

Bromofluorobenzene (BFB)

Case No. 3089 Contractor U.S. Testing Contract No. 68-01-678
 Instrument ID VOA Date 8/19/84 Time 2:07
 Lab ID EDAYOA 178 Data Release Authorized By: pm
#1032

m/e ION ABUNDANCE CRITERIA

%RELATIVE ABUNDANCE

50	15.0 - 40.0% of the base peak	24.96	
75	30.0 - 60.0% of the base peak	59.61	
95	Base peak, 100% relative abundance	100.00	
96	5.0 - 9.0% of the base peak	6.63	
173	Less than 1.0% of the base peak	0	
174	Greater than 50.0% of the base peak	66.59	
175	5.0 - 9.0% of mass 174	5.47	(8.2) ¹
176	Greater than 95.0%, but less than 101.0% of mass 174	63.39	(95.2) ¹
177	5.0 - 9.0% of mass 176	4.00	(6.3) ²

¹Value in parenthesis is % mass 174.

²Value in parenthesis is % mass 176.

THIS PERFORMANCE TUNE APPLIES TO THE FOLLOWING
 SAMPLES, BLANKS AND STANDARDS.

SAMPLE ID	LAB ID	DATE OF ANALYSIS	TIME OF ANALYSIS
	50 std	8/19/84	2:07
F4132	77113-12		9:06
F4133	-13		3:07
F4229	-14		4:08
F4230	-15		5:07
F4230	-15 MS		6:08
F4230	-15 DMS		7:07
	-Blank II		8:07

MASS LIST 08/19/84 2:07:00 + 35:16 DATA: EPAVOA1718 #1032
 SAMPLE: 50 UG/L STD. VERIFICATION CALI: EPAVOA1718 # 1
 CONDS.:

BASE M/E: 95
 RIC: 220416.

50 177 MASS	3.90 % RA	0.00 % RIC	0. # INTEN.	MINIMA MAXIMA	MIN INTEN: 1662.
50.02	24.96	4.83	10640.		
51.04	6.92	1.34	2948.		
57.04	4.86	0.94	2072.		
61.04	5.41	1.05	2308.		
62.04	5.56	1.08	2372.		
63.06	4.11	0.79	1750.		
68.06	12.44	2.41	5304.		
69.06	12.31	2.38	5248.		
73.06	6.12	1.18	2608.		
74.08	20.80	4.02	8864.		
75.08	39.61	11.53	25408.		
76.08	4.93	0.96	2112.		
78.08	5.32	1.03	2268.		
80.96	4.71	0.91	2008.		
86.94	4.20	0.81	1792.		
88.06	5.76	1.11	2456.		
93.08	4.57	0.88	1948.		
94.10	13.04	2.52	5560.		
95.10	100.00	19.34	42624.		
96.10	6.63	1.28	2824.		
174.00	66.59	12.88	28384.		
175.04	5.47	1.06	2332.		
176.00	65.39	12.65	27872.		
177.00	4.00	0.77	1704.		

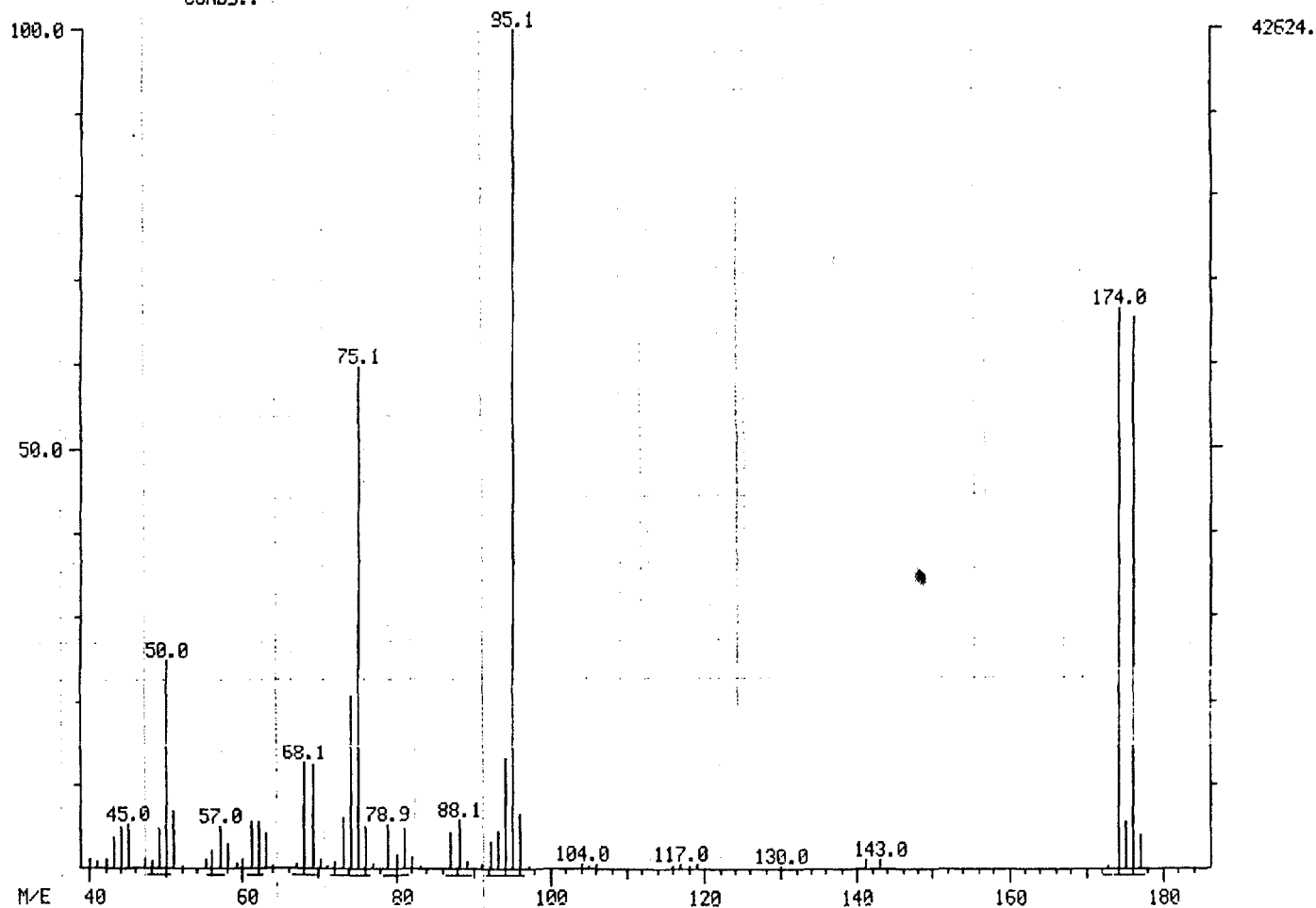
001360

498100

MASS SPECTRUM
08/19/84 2:07:00 + 35:16
SAMPLE: 50 UG/L STD. VERIFICATION
CONDS.:

DATA: EPAV0A1718 #1032
CALI: EPAV0A1718 #1

BASE M/E: 95
RIC: 220416.



298100

MASS CHROMATOGRAM

08/19/84 2:07:00

SAMPLE: 50 UG/L STD. VERIFICATION

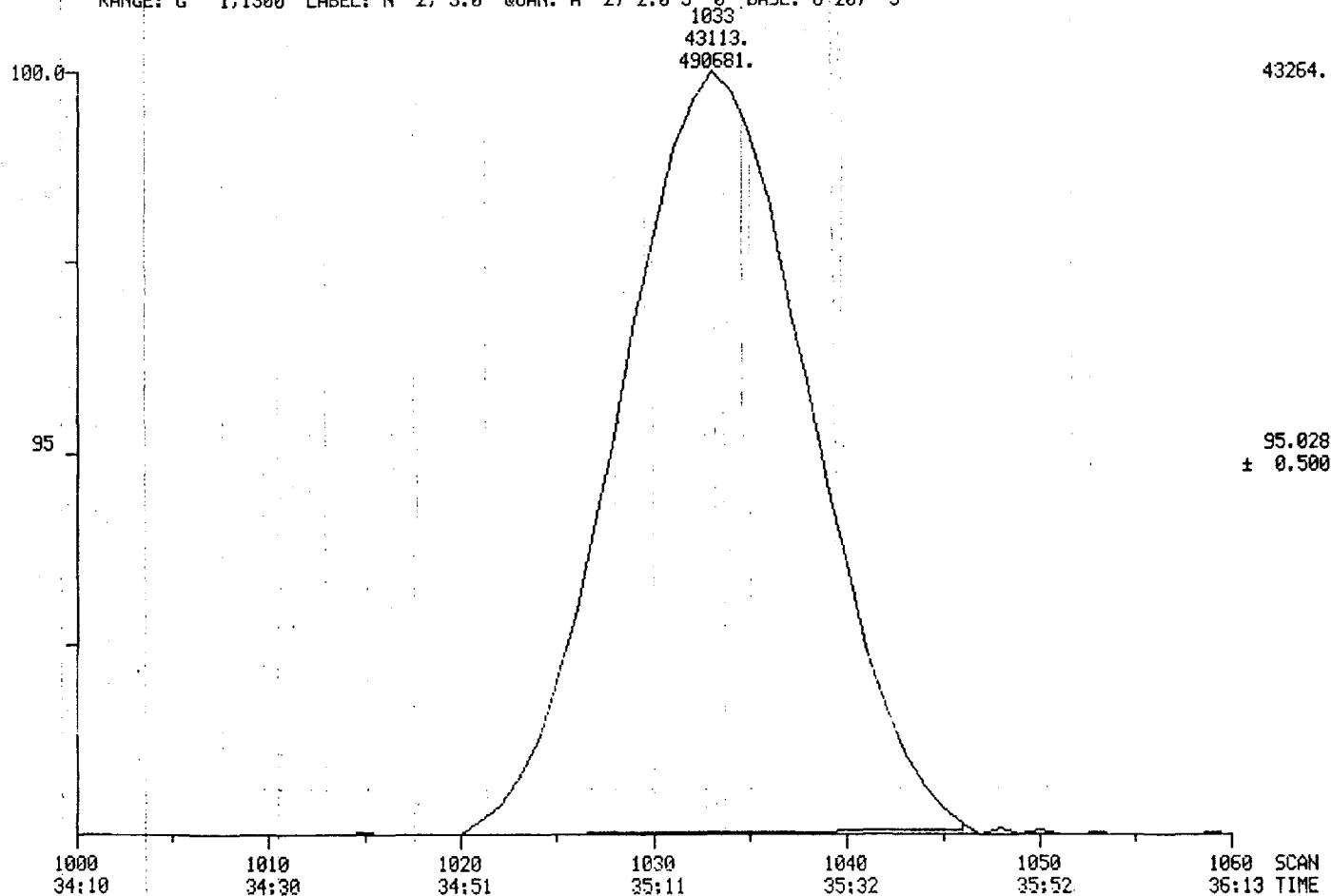
CONDS:

RANGE: G 1.1300 LABEL: N 2, 3.0 QUAN: A 2, 2.0 J 0 BASE: U 20, 3

DATA: EPAU0A1718 #1032

SCANS 1000 TO 1060

CALI: EPAU0A1718 #1



**Initial Calibration Data
Volatile HSL Compounds**

Case No: 3089
Contractor: U.S. Testing
Contract No: 68-01-6780

Instrument I.D.: VDA
Calibration Date: 8/12/84

Minimum RF for SPCC is 0.300

Maximum % RSD for CCC is 30%

Laboratory ID								
Compound	RF ₂₀	RF ₅₀	RF ₁₀₀	RF ₁₅₀	RF ₂₀₀	RF	% RSD	CCC-SPCC**
Chloromethane	0.972	0.804	0.832	0.826	0.811	0.849	7	**
Bromomethane	1.375	1.031	1.096	1.024	0.685	1.044	24	
Vinyl Chloride	1.194	0.916	0.998	0.960	0.944	1.004	11	*
Chloroethane	0.541	0.457	0.500	0.498	0.460	0.506	5	
Methylene Chloride	2.909	1.832	1.512	1.357	1.274	1.777	60	
Acetone	0.185	0.120	0.102	0.098	0.083	0.107	1	
Carbon Disulfide	3.154	2.468	2.456	2.670	2.699	2.730	35	
1, 1-Dichloroethene	2.142	1.703	1.832	1.876	1.772	1.865	17	*
1, 1-Dichloroethane	2.538	2.029	2.120	2.182	2.110	2.196	20	**
Trans-1, 2-Dichloroethene	1.270	0.986	1.063	1.081	1.053	1.091	11	
Chloroform	3.204	2.592	2.720	2.852	2.680	2.810	24	*
1, 2-Dichloroethane	1.762	1.773	1.820	1.944	1.772	1.815	8	
2-Butanone	0.019	0.031	0.024	0.032	0.028	0.028	1	
1, 1, 1-Trichloroethane	2.719	2.091	2.231	2.378	2.262	2.337	24	
Carbon Tetrachloride	0.714	0.649	0.658	0.742	0.749	0.702	5	
Vinyl Acetate	0.031	0.033	0.034	0.037	0.036	0.034	0	
Bromodichloromethane	0.718	0.718	0.724	0.828	0.862	0.760	5	
1, 2-Dichloropropane	0.430	0.408	0.414	0.448	0.443	0.439	2	*
Trans-1, 3-Dichloropropene	0.489	0.475	0.492	0.539	0.542	0.501	3	
Trichloroethene	0.499	0.466	0.485	0.516	0.503	0.494	2	
Dibromochloromethane	0.441	0.505	0.531	0.590	0.557	0.525	7	
1, 1, 2-Trichloroethane	0.270	0.317	0.313	0.340	0.312	0.310	3	
Benzene	1.136	0.959	0.971	1.009	0.980	1.011	7	
cis-1, 3-Dichloropropene	0.395	0.452	0.447	0.515	0.496	0.461	5	
2-Chloroethylvinylether	0.086	0.069	0.040	0.070	0.074	0.068	2	
Bromoform	0.209	0.244	0.279	0.321	0.322	0.274	5	**
2-Hexanone	0.111	0.337	0.332	0.315	0.298	0.277	9	
4-Methyl-2-Pentanone	0.154	0.207	0.205	0.216	0.206	0.198	2	
Tetrachloroethene	0.440	0.690	0.796	0.826	0.732	0.686	12	
1, 1, 2, 2-Tetrachloroethane	0.368	0.669	0.694	0.679	0.693	0.679	21	**
Toluene	0.758	1.771	1.857	1.675	1.674	1.547	145*	*
Chlorobenzene	0.304	1.166	1.237	1.278	1.246	1.146	20	**
Ethylbenzene	1.209	1.859	2.002	2.011	2.034	1.833	35*	*
Styrene	0.594	0.969	1.008	1.030	1.017	0.925	18	
Total Xylenes	0.788	0.589	0.634	0.644	0.617	0.554	15	

RF - Response Factor (subscript is the amount of ug/L)

RF - Average Response Factor

%RSD - Percent Relative Standard Deviation

CCC - Calibration Check Compounds (*)

SPCC - System Performance Check Compounds (**)

Sample Number

F4132

Organics Analysis Data Sheet

(Page 1)

Laboratory Name: US Testing

Case No: 3089

Lab Sample ID No: 77113-12

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: _____

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH _____

Percent Moisture: 75

Percent Moisture (Decanted): _____

CAS Number	ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane 40 U
74-83-9	Bromomethane 40 U
75-01-4	Vinyl Chloride 40 U
75-00-3	Chloroethane 40 U
75-09-2	Methylene Chloride 20 U
67-64-1	Acetone 77
75-15-0	Carbon Disulfide 20 U
75-35-4	1, 1-Dichloroethane 20 U
75-34-3	1, 1-Dichloroethane 20 U
156-60-5	Trans-1, 2-Dichloroethane 20 U
67-66-3	Chloroform 20 U
107-06-2	1, 2-Dichloroethane 20 U
78-93-3	2-Butanone 40 U
71-55-6	1, 1, 1-Trichloroethane 20 U
56-23-5	Carbon Tetrachloride 20 U
108-05-4	Vinyl Acetate 40 U
75-27-4	Bromodichloromethane 20 U

CAS Number	ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane 20 U
78-87-5	1, 2-Dichloropropane 20 U
10061-02-6	Trans-1, 3-Dichloropropene 20 U
79-01-6	Trichloroethene 20 U
124-48-1	Dibromochloromethane 20 U
79-00-5	1, 1, 2-Trichloroethane 20 U
71-43-2	Benzene 20 U
10061-01-5	cis-1, 3-Dichloropropene 20 U
110-75-8	2-Chloroethylvinylether 40 U
75-25-2	Bromoform 20 U
591-78-6	2-Hexanone 40 U
108-10-1	4-Methyl 2-Pentanone 51
127-18-4	Tetrachloroethene 20 U
108-88-3	Toluene 20 U
108-90-7	Chlorobenzene 20 U
100-41-4	Ethylbenzene 20 U
100-42-5	Styrene 20 U
	Total Xylenes 20 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U. Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully documented and each description attached to the data.

Sample Number

F4132

Organics Analysis Data Sheet
(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/18/84

Conc/Dil Factor: 52g → 100 ml

001065

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	7700 u
108-95-2	Phenol	7700
62-53-3	Aniline	7700
111-44-4	bis(2-Chloroethyl)Ether	7700
95-57-8	2-Chlorophenol	7700
541-73-1	1, 3-Dichlorobenzene	7700
106-46-7	1, 4-Dichlorobenzene	7700
100-51-6	Benzyl Alcohol	7700
95-50-1	1, 2-Dichlorobenzene	7700
95-48-7	2-Methylphenol	7700
39638-32-9	bis(2-chloroisopropyl)Ether	7700
106-44-5	4-Methylphenol	7700
621-64-7	N-Nitroso-Di-n-Propylamine	7700
67-72-1	Hexachloroethane	7700
98-95-3	Nitrobenzene	7700
78-59-1	Isophorone	7700
88-75-5	2-Nitrophenol	7700
105-67-9	2, 4-Dimethylphenol	7700
65-85-0	Benzoic Acid	38500
111-91-1	bis(2-Chloroethoxy)Methane	7700
120-83-2	2, 4-Dichlorophenol	7700
120-82-1	1, 2, 4-Trichlorobenzene	7700
91-20-3	Naphthalene	7700
106-47-8	4-Chloroaniline	7700
87-68-3	Hexachlorobutadiene	7700
59-50-7	4-Chloro-3-Methylphenol	7700
91-57-6	2-Methylnaphthalene	7700
77-47-4	Hexachlorocyclopentadiene	7700
88-06-2	2, 4, 6-Trichlorophenol	7700
95-95-4	2, 4, 5-Trichlorophenol	38500
91-58-7	2-Chloronaphthalene	7700
88-74-4	2-Nitroaniline	38500
131-11-3	Dimethyl Phthalate	7700

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	7700 u
51-28-5	2, 4-Dinitrophenol	38500
100-02-7	4-Nitrophenol	38500
132-64-9	Dibenzofuran	7700
121-14-2	2, 4-Dinitrotoluene	7700
606-20-2	2, 6-Dinitrotoluene	7700
84-66-2	Diethylphthalate	7700
7005-72-3	4-Chlorophenyl-phenylether	7700
86-73-7	Fluorene	7700
100-01-6	4-Nitroaniline	38500
534-52-1	4, 6-Dinitro-2-Methylphenol	38500
86-30-6	N-Nitrosodiphenylamine (1)	7700
101-55-3	4-Bromophenyl-phenylether	7700
118-74-1	Hexachlorobenzene	7700
87-86-5	Pentachlorophenol	38500
85-01-8	Phenanthrene	7700
120-12-7	Anthracene	7700
84-74-2	Di-n-Butylphthalate	7700
206-44-0	Fluoranthene	7700
92-87-5	Benzidine	38500
129-00-0	Pyrene	7700
85-68-7	Butylbenzylphthalate	7700
91-94-1	3, 3'-Dichlorobenzidine	15400
56-55-3	Benzo(a)Anthracene	7700 ✓
117-81-7	bis(2-Ethylhexyl)Phthalate	5390 J
218-01-9	Chrysene	7700 U
117-84-0	Di-n-Octyl Phthalate	7700
205-99-2	Benzo(b)Fluoranthene	7700
207-08-9	Benzo(k)Fluoranthene	7700
50-32-8	Benzo(a)Pyrene	7700
193-39-5	Indeno(1, 2, 3-cd)Pyrene	7700
53-70-3	Dibenzo(a, h)Anthracene	7700 ✓
191-24-2	Benzo(g, h, i)Perylene	7700 ✓

Sample Number

F 4132

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No VOA's detected			
2.				
3.	Unknown	ABN	709	44,000
4.	Unknown		1065	88,000
5.	Unknown		1110	21,100
6.	Unknown		1722	11,200
7.	Unknown		1878	78,700
8.	Unknown		2120	17,100
9.	Unknown		2320	13,100
10.	Unknown		2453	20,100
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

001000

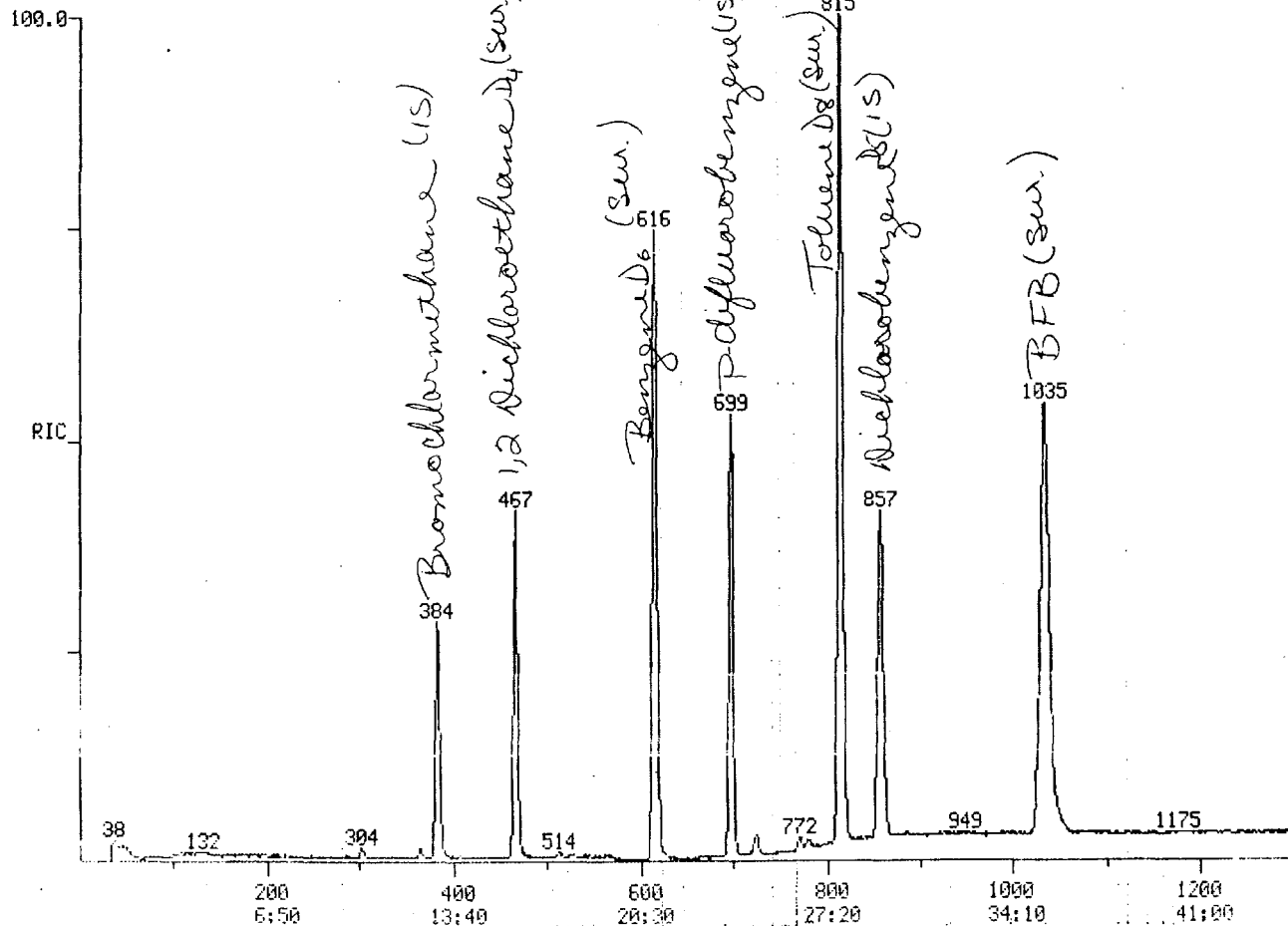
198100

RIC
08/19/84 9:06:00
SAMPLE: 77113-12
CONDS.:
RANGE: G 1,1300 LABEL: N 0, 4.0

DATA: EPAU0A1725 #1
CALI: EPAU0A1725 #1

SCANS 1 TO 1300

QUAN: A 0, 1.0 0 BASE: U 20, 3



382454.

SCAN
TIME

QUANTITATION REPORT

FILE: EPAVOA1725

DATA: EPAVOA1725.TI

08/19/84 9:06:00

SAMPLE: 77113-12

SUBMITTED BY: EPA

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE . RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1, 1-DICHLOROETHYLENE
12	1, 1-DICHLOROETHANE
13	TRANS-1, 2-DICHLOROETHYLENE
14	CHLOROFORM
15	1, 2-DICHLOROETHANE
16	1, 1, 1-TRICHLOROETHANE
17	HSL ACETONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1, 2-DICHLOROPROPANE
22	TRANS-1, 3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLOROMETHANE
26	1, 1, 2-TRICHLOROETHANE
27	CIS-1, 3-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL ISOBUTYL KETONE
33	1, 2-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1, 1, 2, 2-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

001060

NO NAME
47 M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48 D-S ETHYLBENZENE (SURROGATE)
49 TOLUENE-D8 (SURROGATE)
50 P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	384	13:07	1	1.000	A BB	89326.	50.000 UG/L	9.11
2	114	699	23:53	2	1.000	A BB	387673.	50.000 UG/L	9.11
3	117	857	29:17	3	1.000	A BB	266688.	50.000 UG/L	9.11
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								

001360

ps

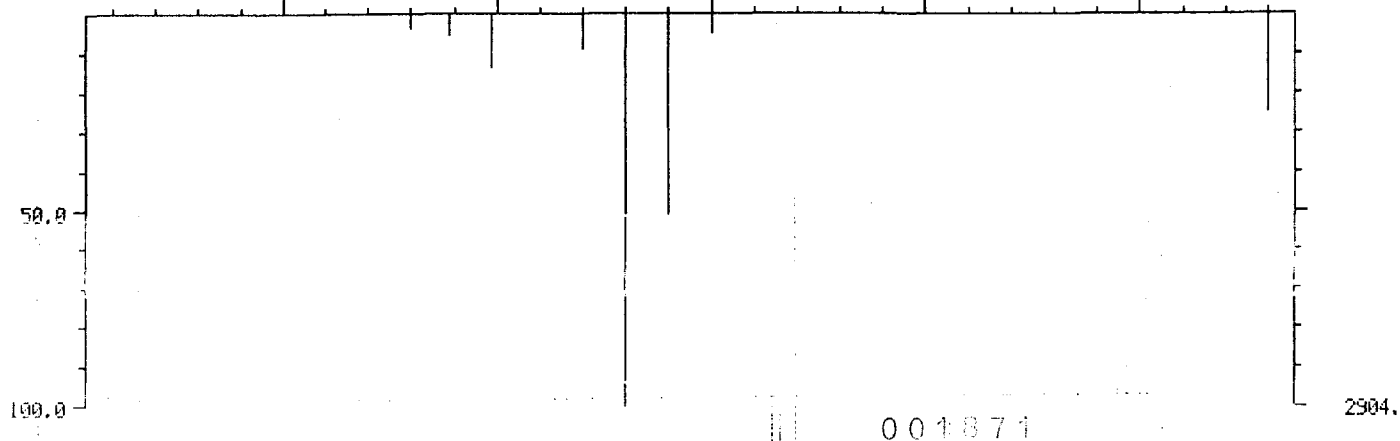
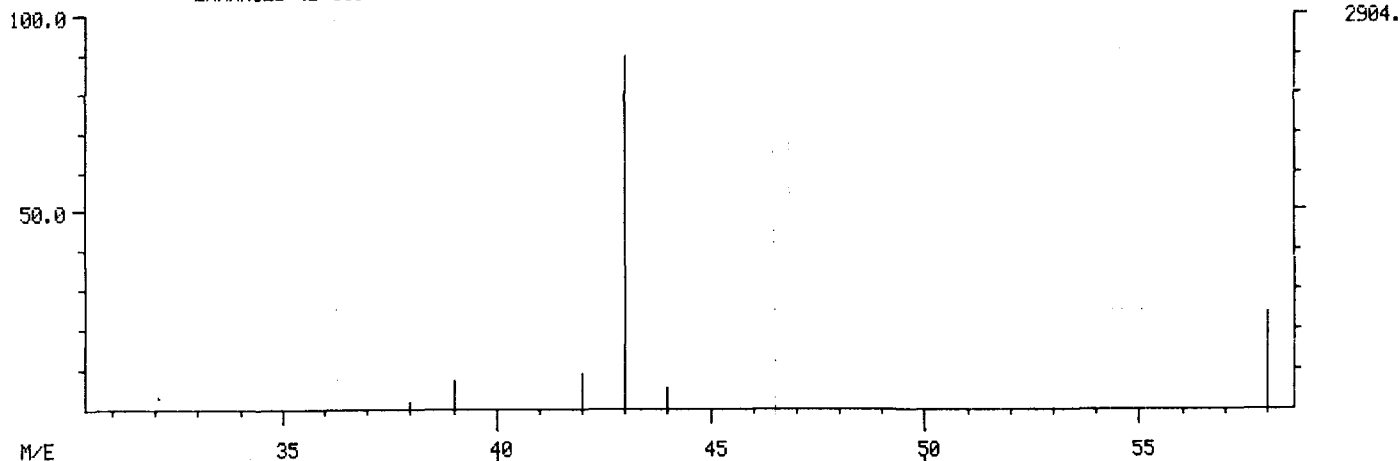
NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	58	304	10:23	1	0.792	A BB	3513.	19.273 UG/L	3.51
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	43	725	24:46	2	1.037	A BB	19684.	12.819 UG/L	2.33
33	65	467	15:57	2	0.668	A BB	335240.	90.726 UG/L	16.52
34	84	616	21:03	2	0.881	A BB	672514.	90.032 UG/L	16.40
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	815	27:51	3	0.951	A BB	742869.	98.352 UG/L	17.91
50	95	1034	35:20	3	1.207	A BB	456286.	87.898 UG/L	16.01

001870

pen

DUAL MASS SPECTRUM
08/19/84 9:06:00 + 10:23
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1725 #304 BASE M/E: 43/ 43
CALI: EPAU0A1725 #1 RIC: 3951./ 6191.

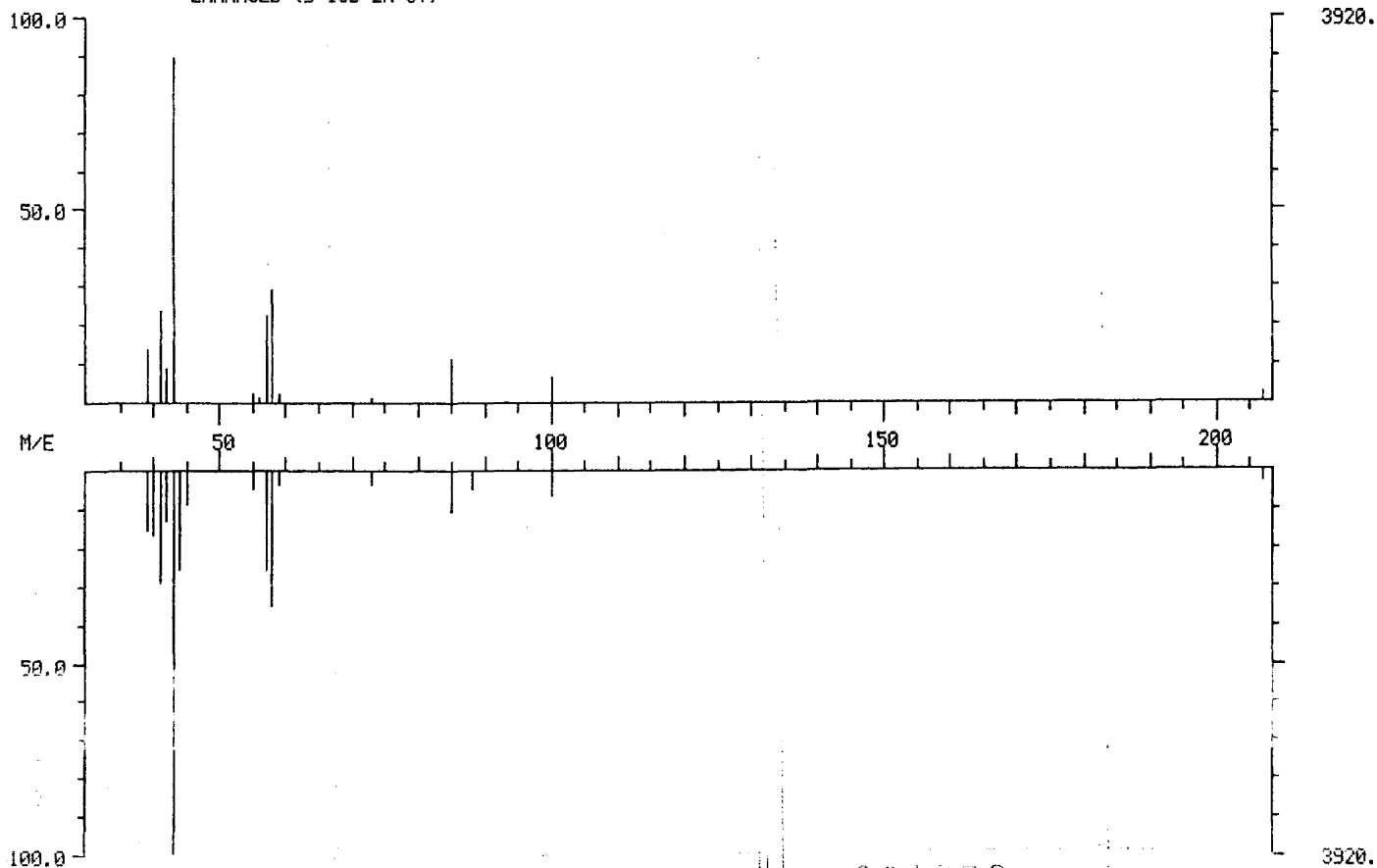


001871

DUAL MASS SPECTRUM
08/19/84 9:06:00 + 24:46
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1725 #725
CALI: EPAU0A1725 #1

BASE M/E: 43/ 43
RIC: 9399./ 11999.



001872

270100

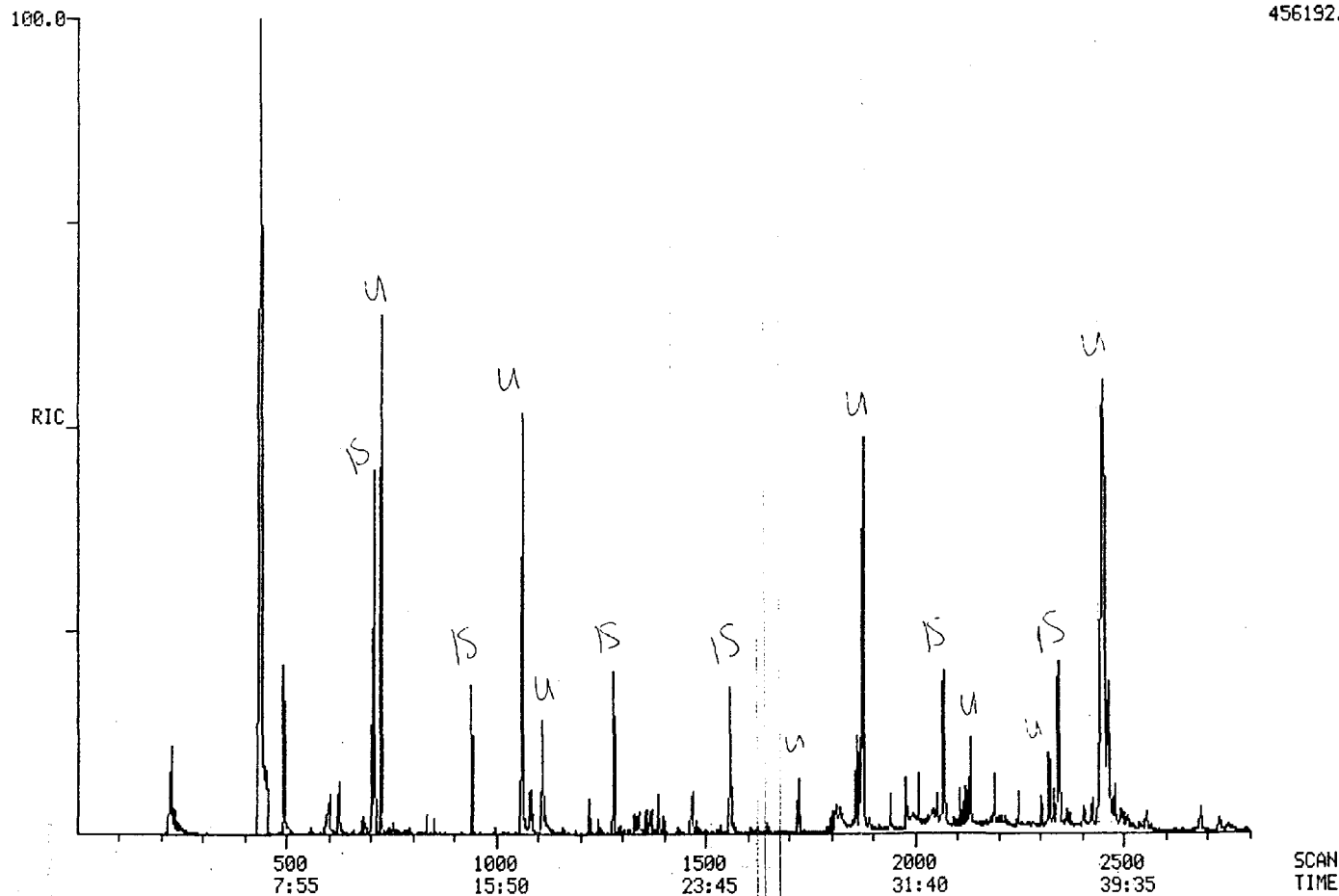
RIC
09/18/84 14:01:00
SAMPLE: 77113-12
CONDS.:

DATA: EPABN1368 #1
CALI: EPABN1368 #1

SCANS 1 TO 2800

RANGE: G 1.2800 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

456192.



QUANTITATION REPORT FILE: EPABN1368

DATA: EPABN1368.TI

09/18/84 14:01:00

SAMPLE: 77113-12

SUBMITTED BY:

ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* D-4 1,4-DICHLOROBENZENE
2	* D-8 NAPHTHALENE
3	* D-8 ACENAPHTHENE
4	* D-10 PHENANTHRENE
5	* D-12 CHRYSENE
6	* D-12 PERYLENE
7	2-FLUOROPHENOL (SURROGATE)
8	D-5 PHENOL (SURROGATE)
9	D-5 NITROBENZENE (SURROGATE)
10	2-FLUOROBIPHENYL (SURROGATE)
11	2,4,6-TRIBROMOPHENOL (SURROGATE)
12	D-14 TERPHENYL (SURROGATE)
13	N-NITROSODIMETHYLAMINE
14	2-CHLOROPHENOL
15	PHENOL
16	BIS (2-CHLOROETHYL) ETHER
17	1,3-DICHLOROBENZENE
18	1,4-DICHLOROBENZENE
19	1,2-DICHLOROBENZENE
20	HSL ANILINE
21	HSL BENZYL ALCOHOL
22	BIS(2-CHLOROISOPROPYL) ETHER
23	HEXACHLOROETHANE
24	N-NITROSODIPROPYLAMINE
25	NITROBENZENE
26	ISOPHORONE
27	2 NITROPHENOL
28	2,4-DIMETHYLPHENOL
29	BIS(2-CHLOROETHOXY)METHANE
30	2,4-DICHLOROPHENOL
31	1,2,4-TRICHLOROBENZENE
32	NAPHTHALENE
33	HEXACHLOROBUTADIENE
34	P-CHLORO-M-CRESOL
35	HEXACHLOROCYCLOPENTADIENE
36	2,4,6-TRICHLOROPHENOL
37	HSL 2-METHYLPHENOL
38	HSL 4-METHYLPHENOL
39	HSL BENZOIC ACID
40	HSL 4-CHLOROANILINE
41	HSL 2-METHYLNAPHTHALENE
42	2-CHLORONAPHTHALENE
43	DIMETHYL PHTHALATE
44	ACENAPHTHYLENE
45	2,6-DINITROTOLUENE
46	ACENAPHTHENE

001074

NO	NAME
47	2,4-DINITROPHENOL
48	4-NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLORO BENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

001875

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	702	11:07	1	1.000	A BB	26364.	40.000 UG/ML	15.64
2	136	942	14:55	2	1.000	A BV	72157.	40.000 UG/ML	15.64
3	164	1280	20:16	3	1.000	A BB	41305.	40.000 UG/ML	15.64
4	188	1559	24:41	4	1.000	A BB	78294.	40.000 UG/ML	15.64
5	240	2067	32:44	5	1.000	A BB	73583.	40.000 UG/ML	15.64
6	264	2320	36:44	6	1.000	A BV	52287.	40.000 UG/ML	15.64
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	128	944	14:57	2	1.002	A BB	314.	0.154 UG/ML	0.06
33	NOT FOUND								
34	107	1080	17:06	2	1.146	A BB	291.	0.604 UG/ML	0.24
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	142	1080	17:06	2	1.146	A BB	381.	0.283 UG/ML	0.11
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								

001076

2

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	284	1500	23.43	4	0.962	A BB	602.	0.991 UG/ML	0.39
58	NOT FOUND								
59	178	1562	24.44	4	1.002	A BB	583	0.293 UG/ML	0.12
60	NOT FOUND								
61	149	1704	26.59	4	1.093	A BB	784.	0.358 UG/ML	0.14
62	NOT FOUND								
63	NOT FOUND								
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	184	1878	29.44	5	0.909	A BB	265.	4.383 UG/ML	1.71
69	NOT FOUND								
70	149	1987	31.28	5	0.961	A BB	306.	0.226 UG/ML	0.09
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	149	2106	33.21	5	1.019	A*BB	13057.	6.896 UG/ML	2.70
75	149	2217	35.06	6	0.956	A BB	5881.	1.874 UG/ML	0.73
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

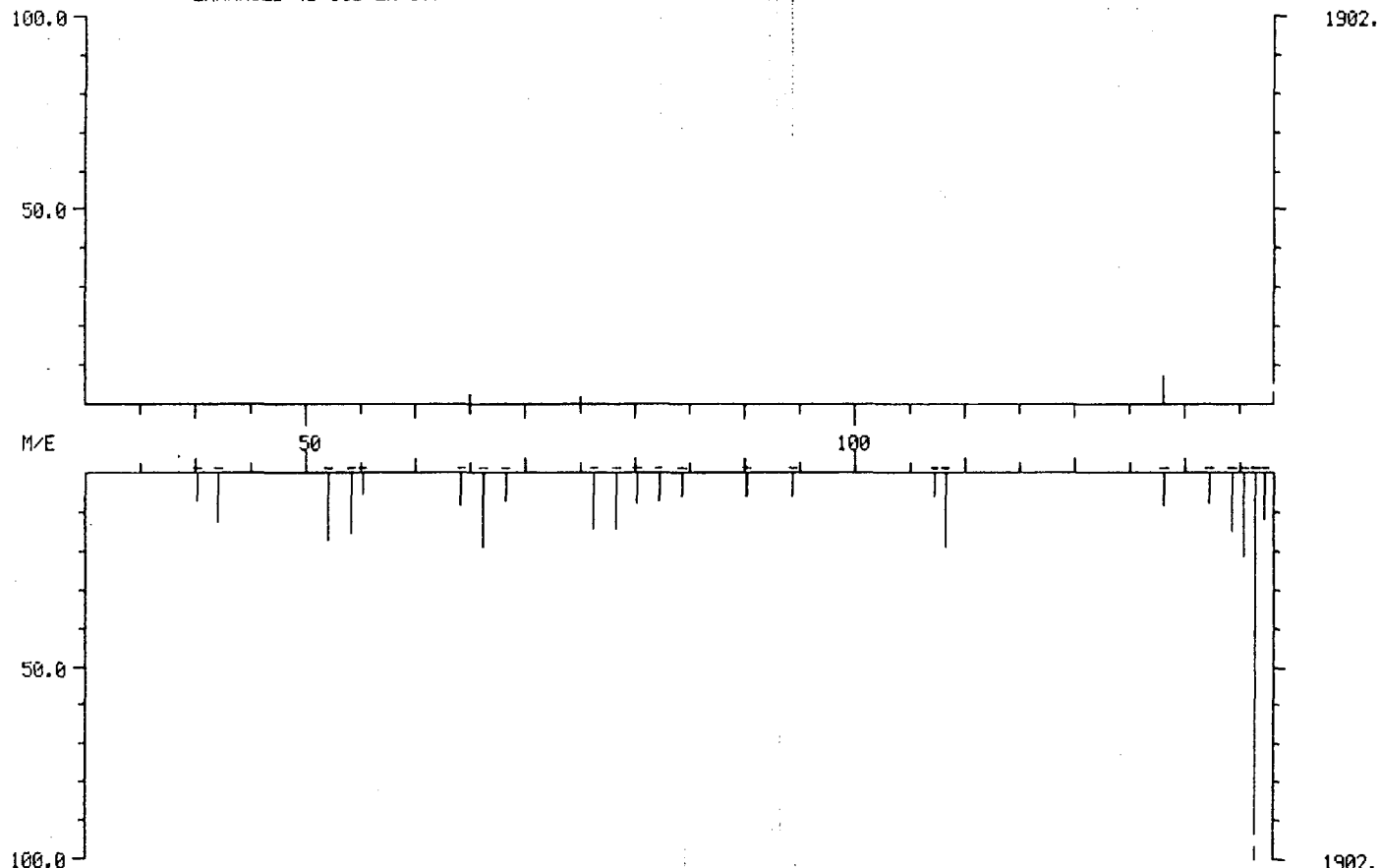
001077

f

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 14:57
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #944
CALI: EPABN1368 #1

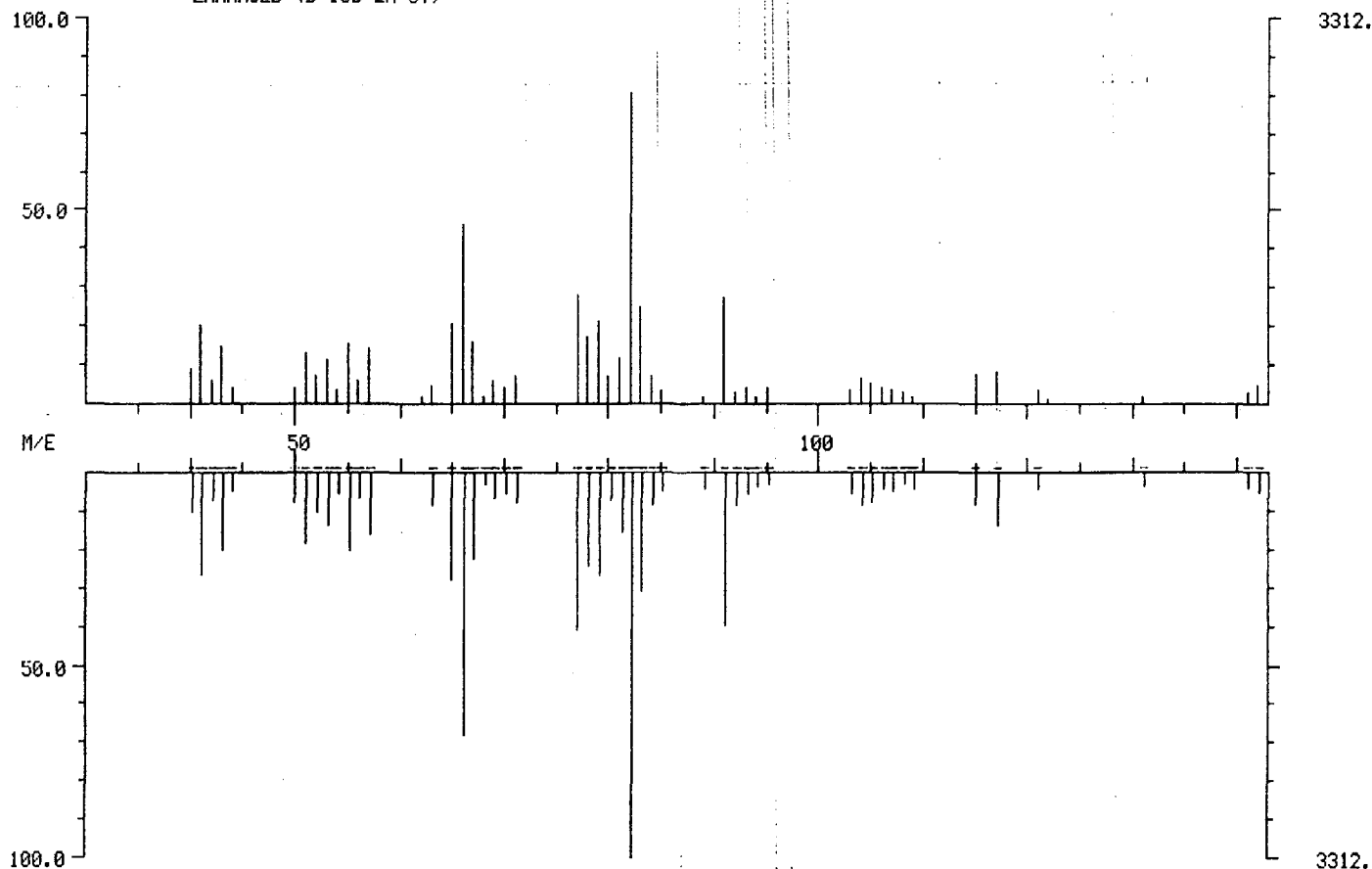
BASE M/E: 128/ 136
RIC: 212./ 6495.



001076

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 17:06
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #1080 BASE M/E: 82/ 82
CALI: EPABN1368 #1 RIC: 17823./ 23551.

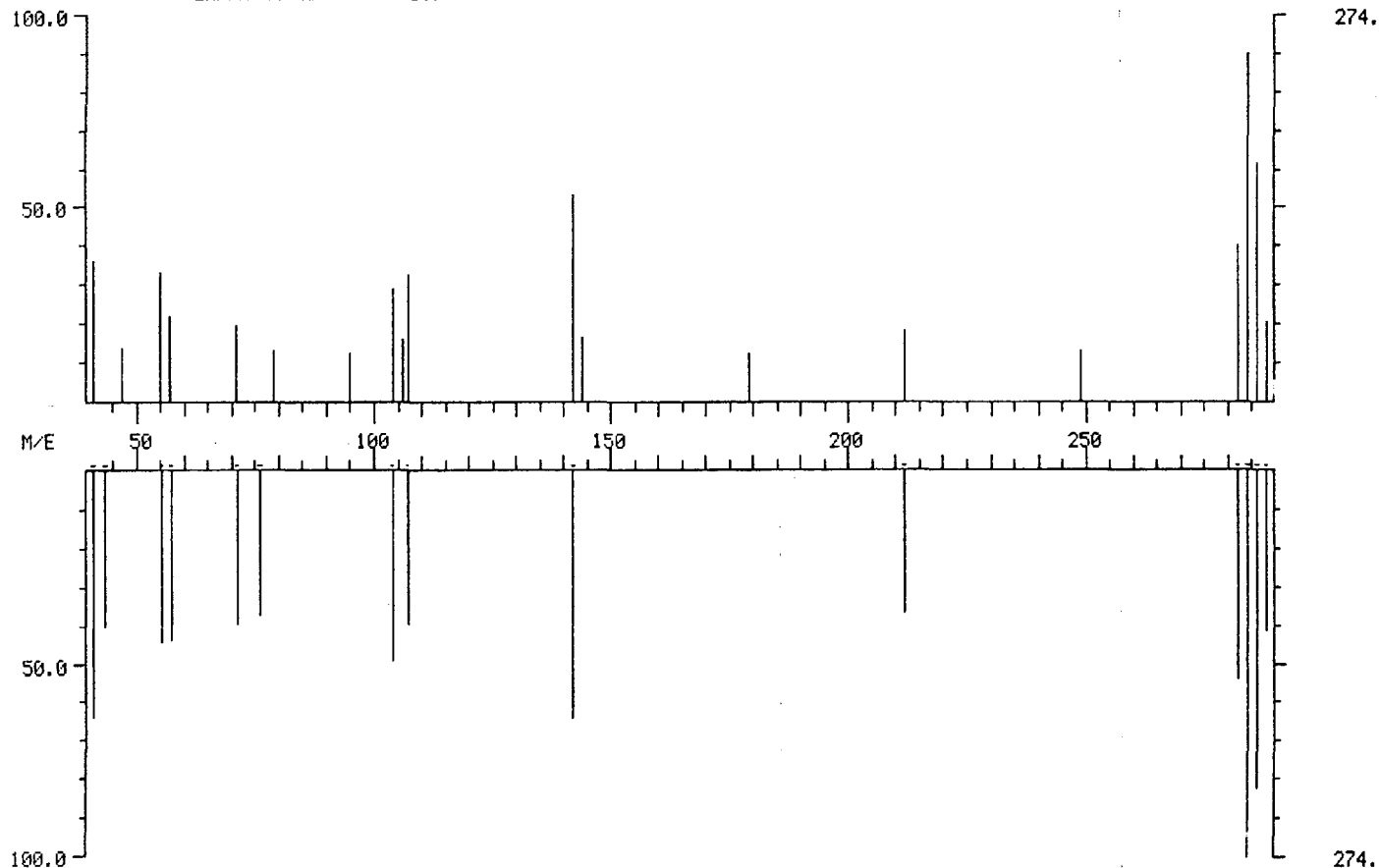


001879

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 23:45
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2H 0T)

DATA: EPABN1368 #1500
CALI: EPABN1368 #1

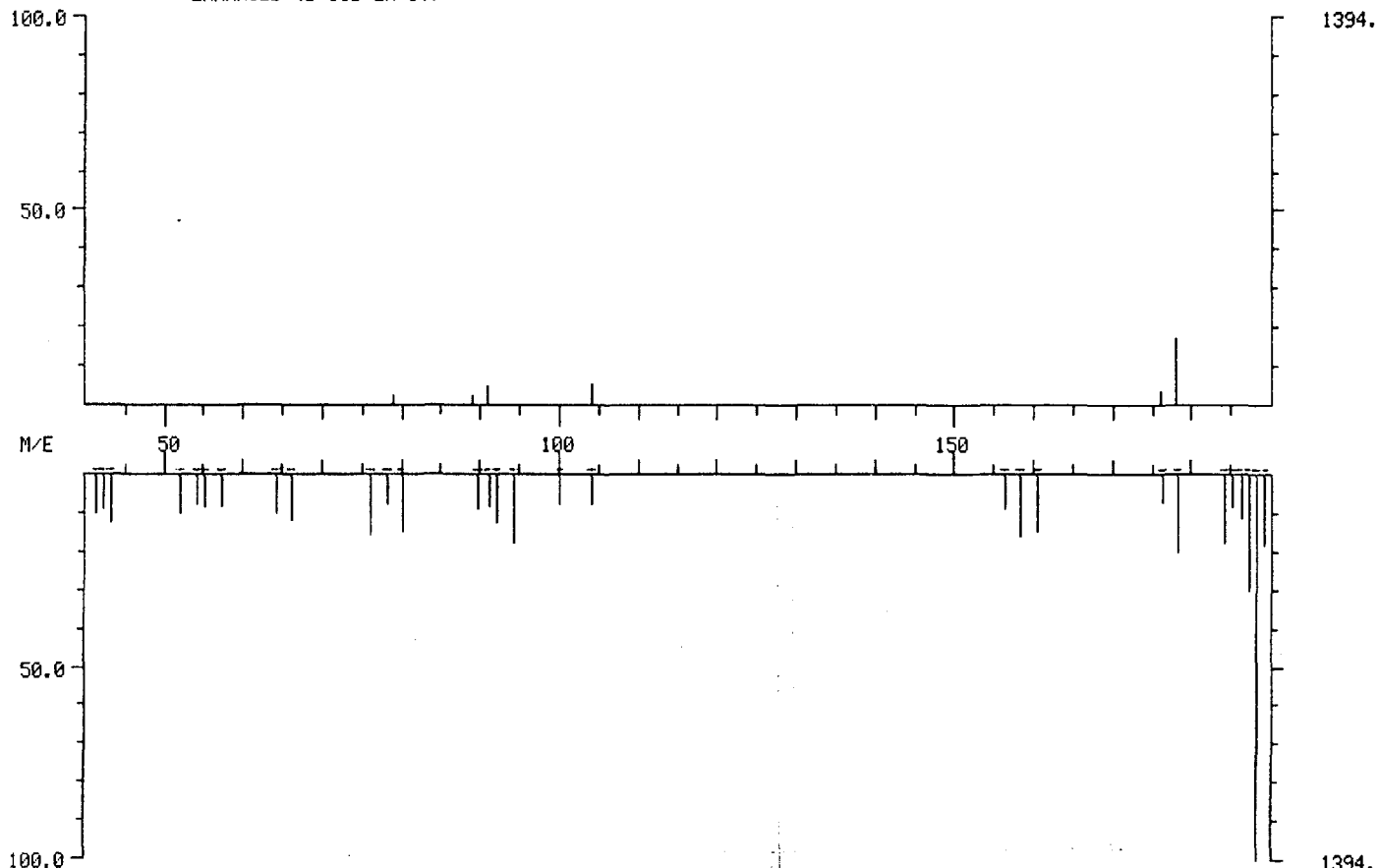
BASE M/E: 284/ 284
RIC: 1519./ 2019.



001000

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 24:44
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #1562 BASE M/E: 178/ 188
CALI: EPABN1368 #1 RIC: 496./ 6159.

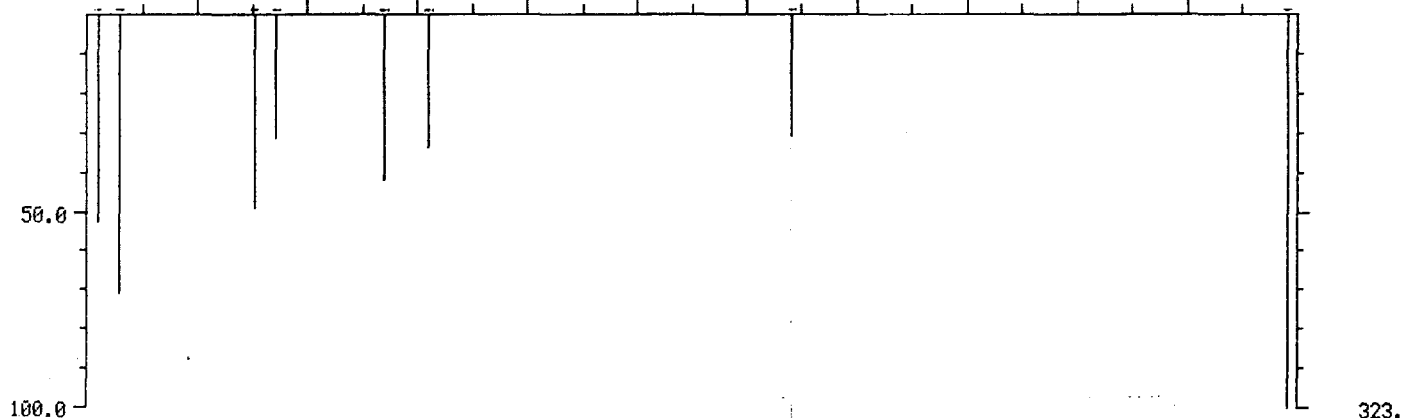
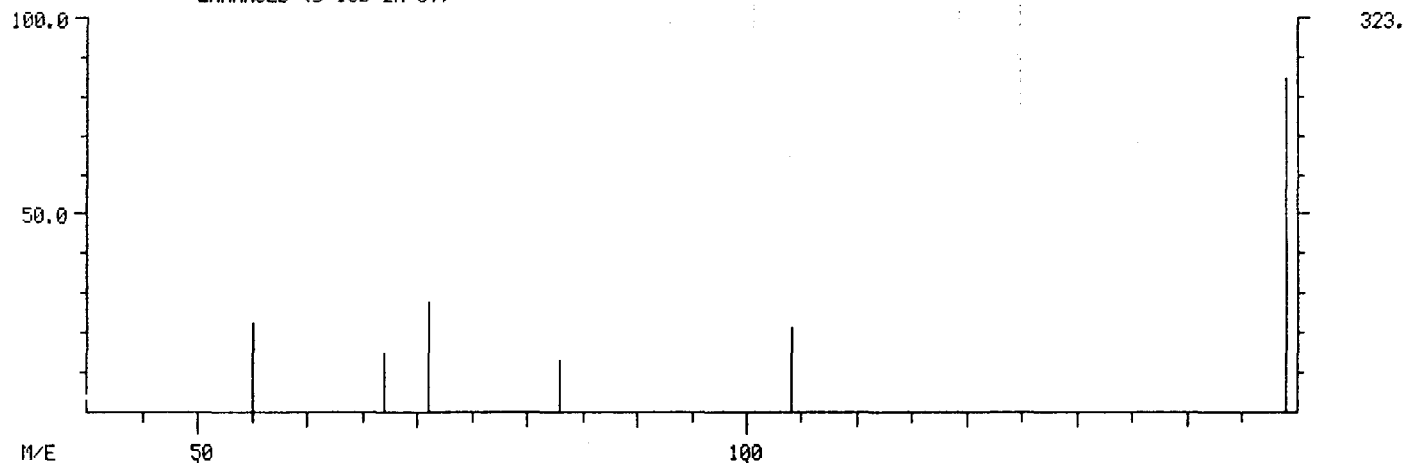


001381

1394.

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 26:59
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #1704 BASE M/E: 149/ 149
CALI: EPABN1368 #1 RIC: 592./ 1327.

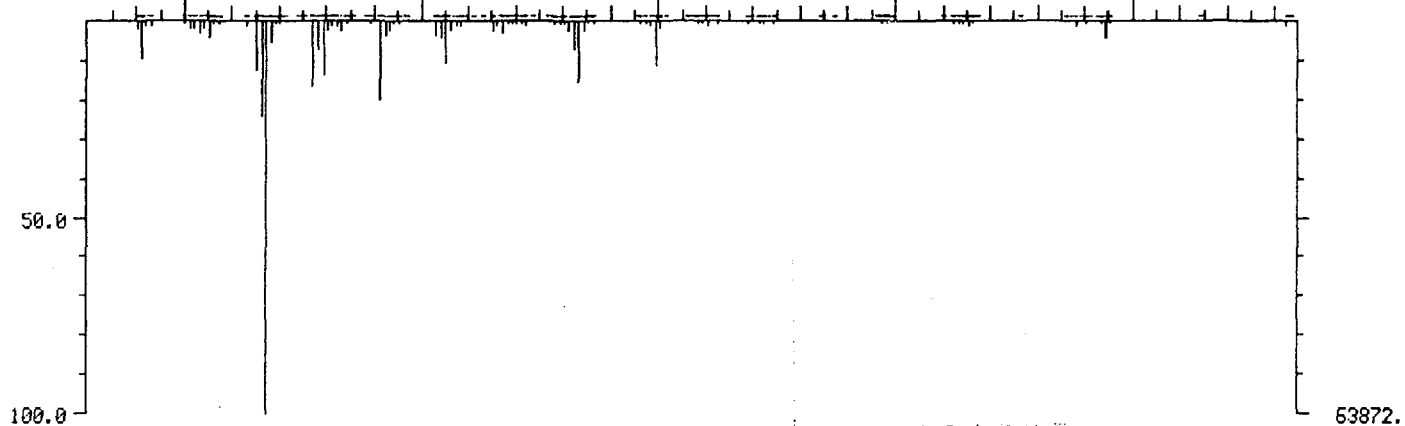
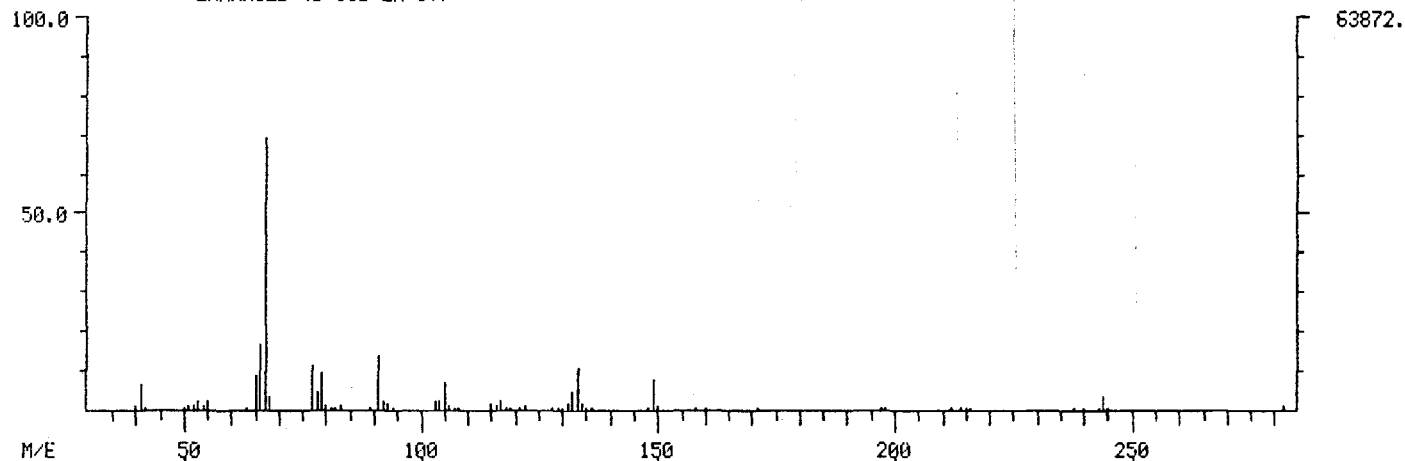


001982

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 29:44
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #1878
CALI: EPABN1368 #1

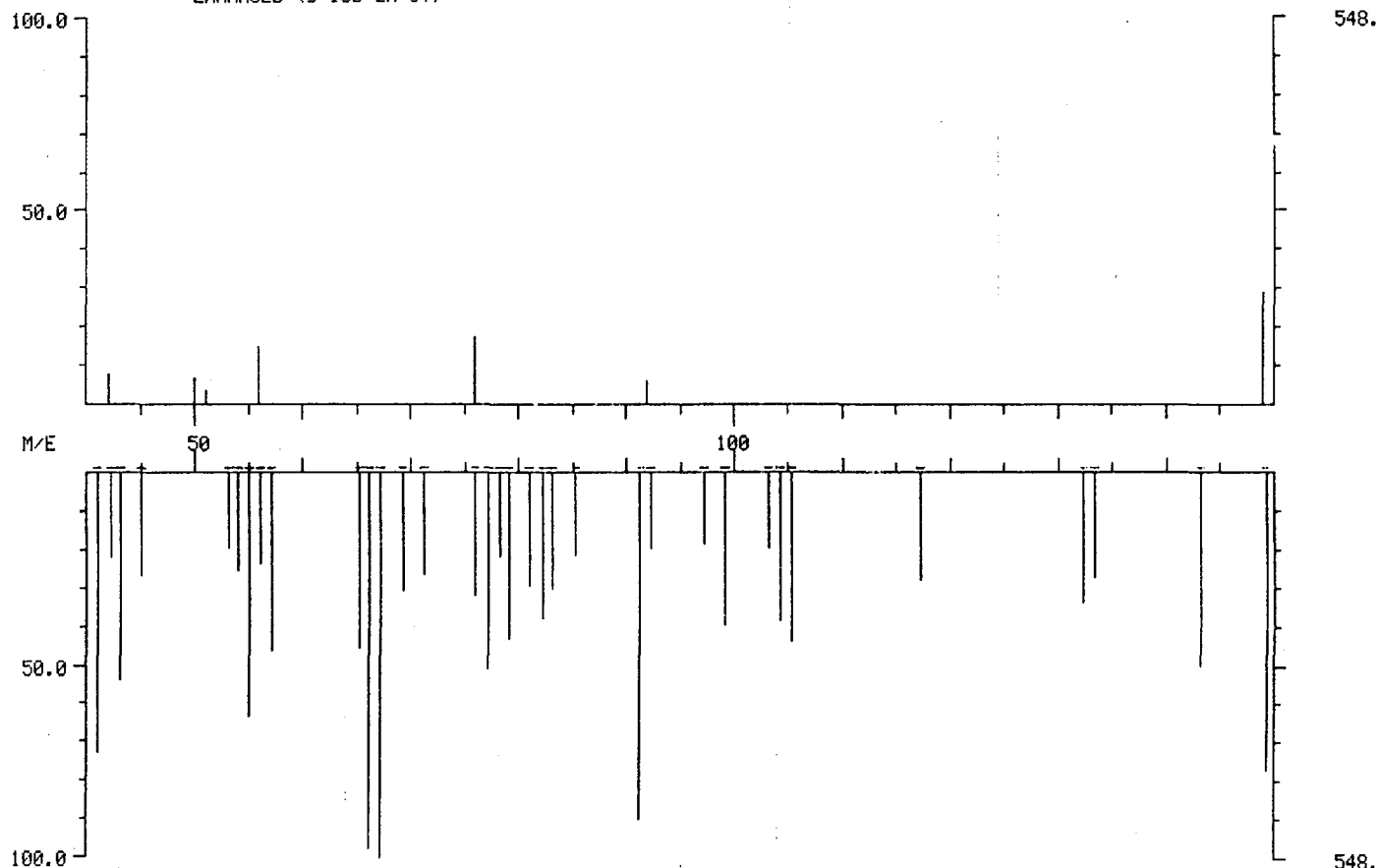
BASE M/E: 67/ 67
RIC: 150527./ 221439.



001883

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 31:28
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #1987 BASE M/E: 149/ 67
CALI: EPABN1368 #1 RIC: 467./ 7743.



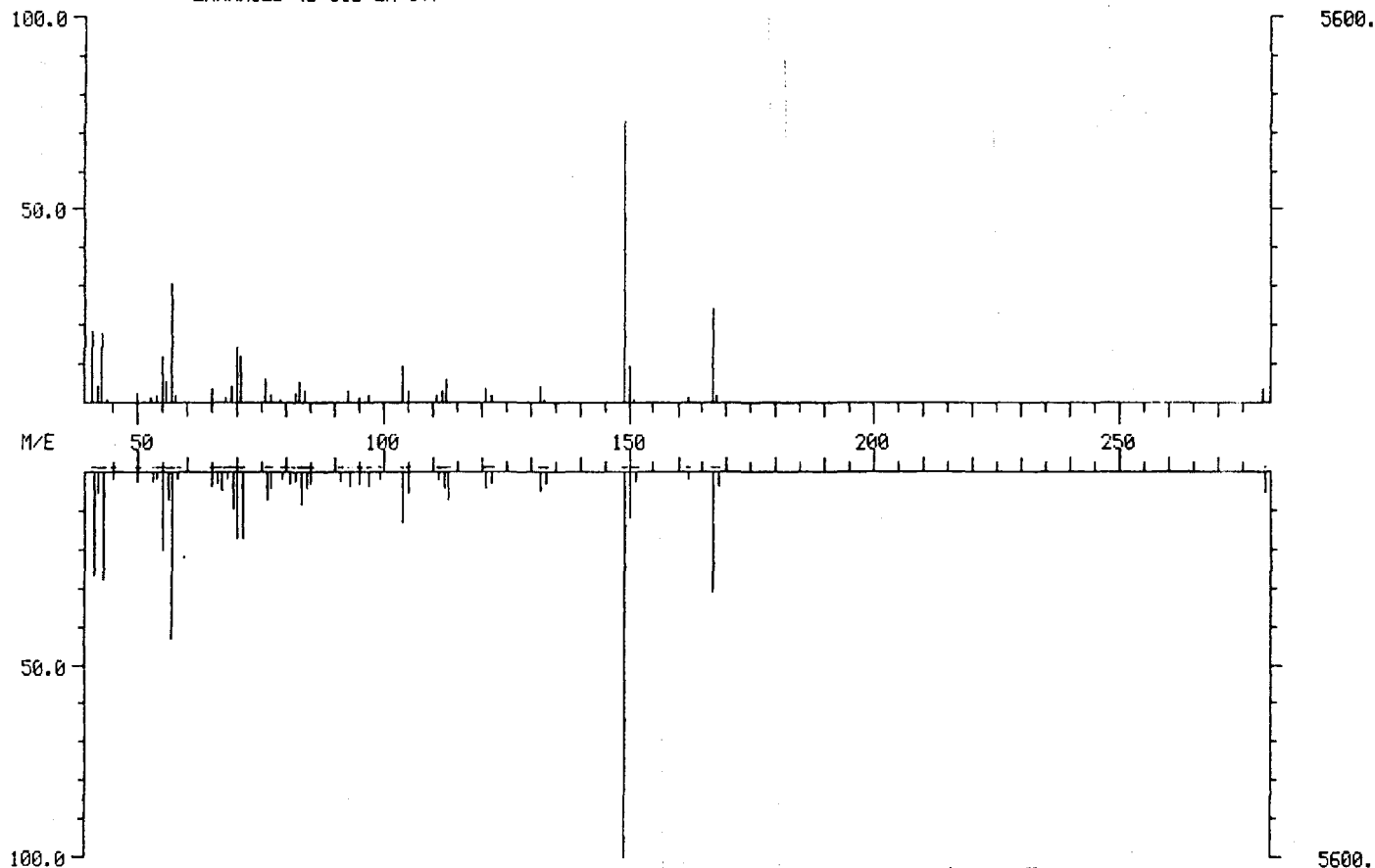
001384

548.

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 33:21
SAMPLE: 77113-12
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #2106
CALI: EPABN1368 #1

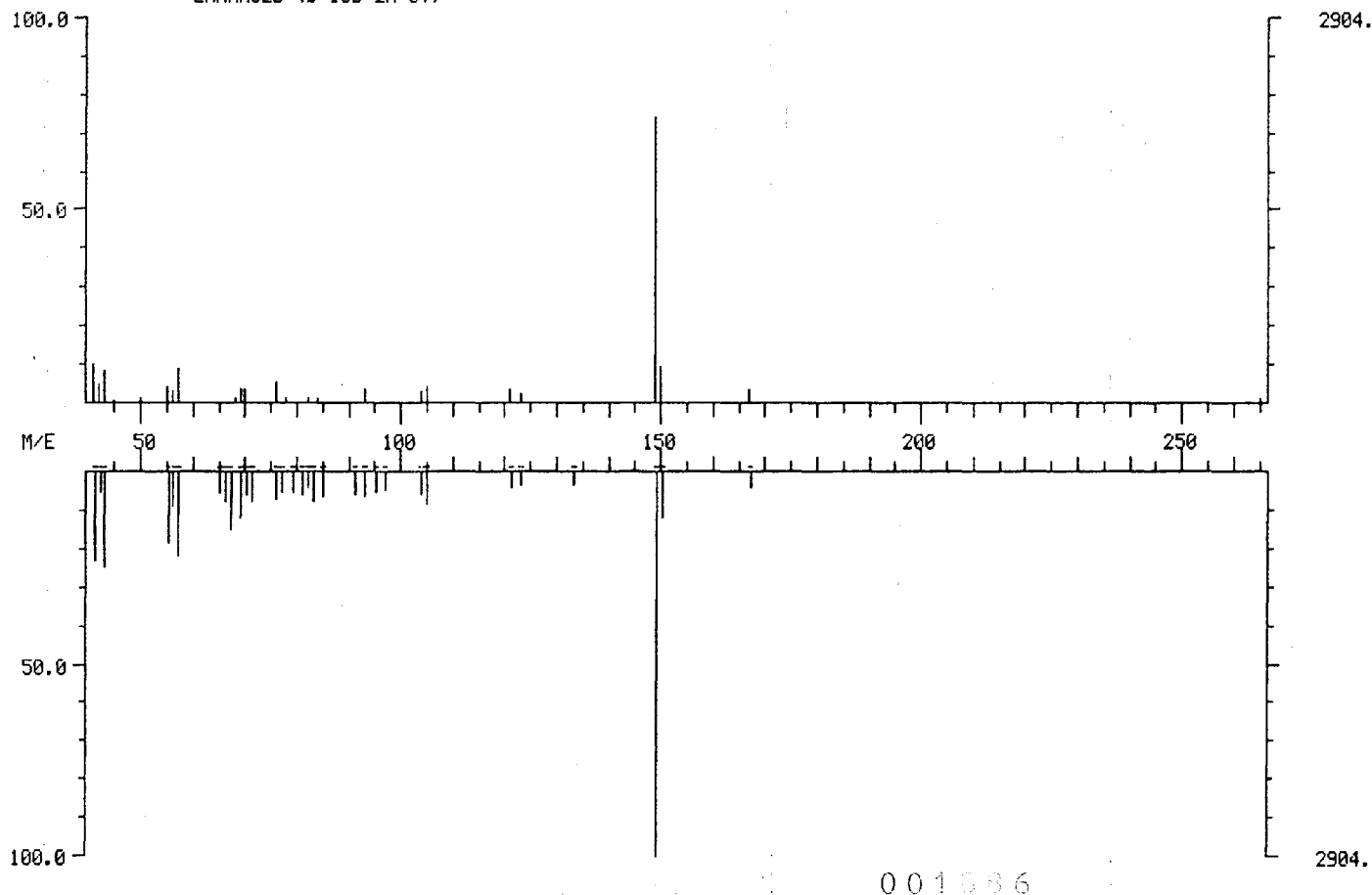
BASE M/E: 149/ 149
RIC: 17023./ 25183.



001305

DUAL MASS SPECTRUM
09/18/84 14:01:00 + 35:06
SAMPLE: 77113-12
COND5.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1368 #2217 BASE M/E: 149/ 149
CALI: EPABN1368 #1 RIC: 4719./ 10511.



480400

LIBRARY SEARCH

09/18/84 14:01:00 + 11:14

SAMPLE: 77113-12

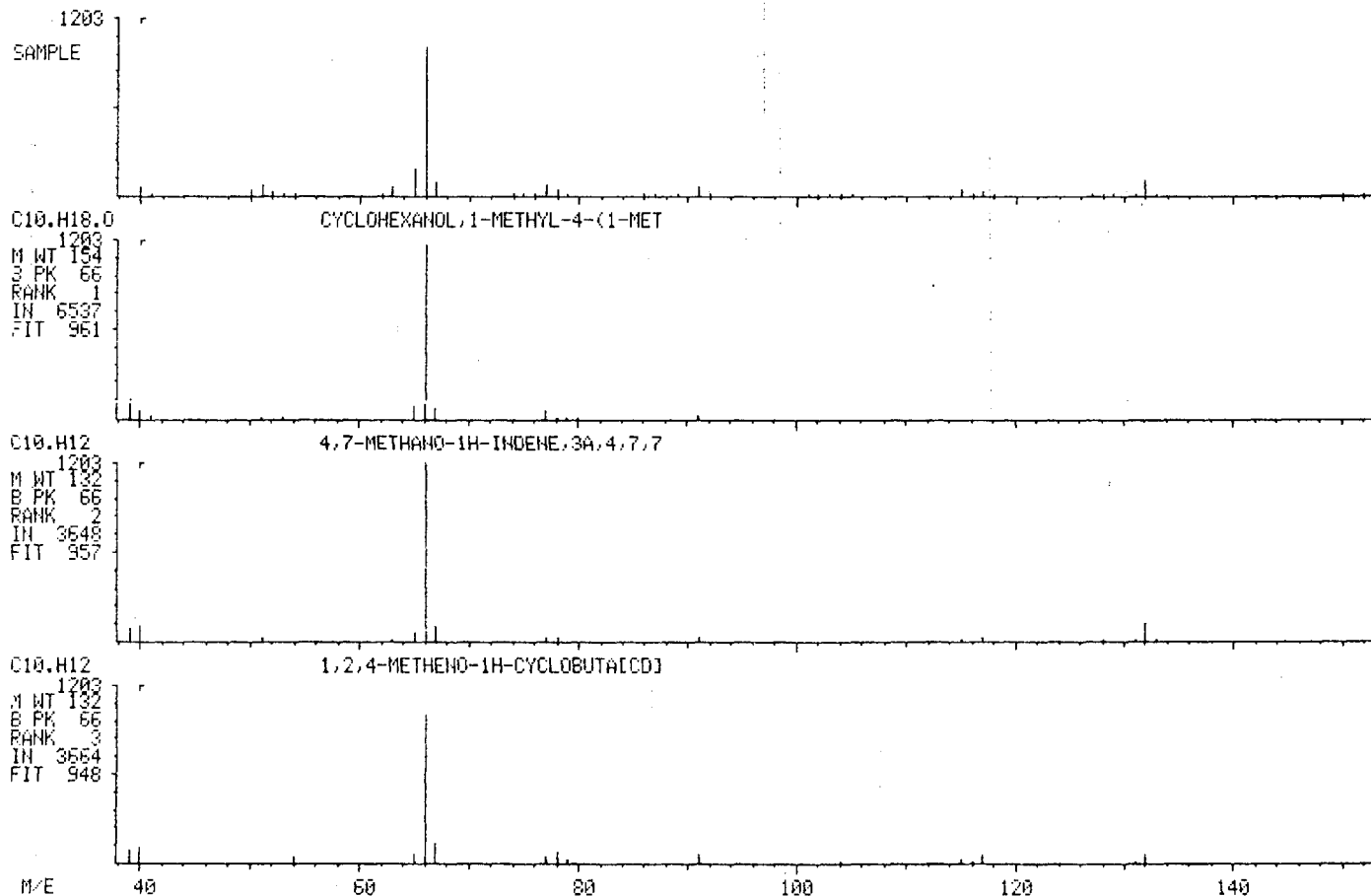
COND.S.:

DATA: EPABN1368 # 709

CALI: EPABN1368 # 1

BASE M/E: 66

RIC: 200447.

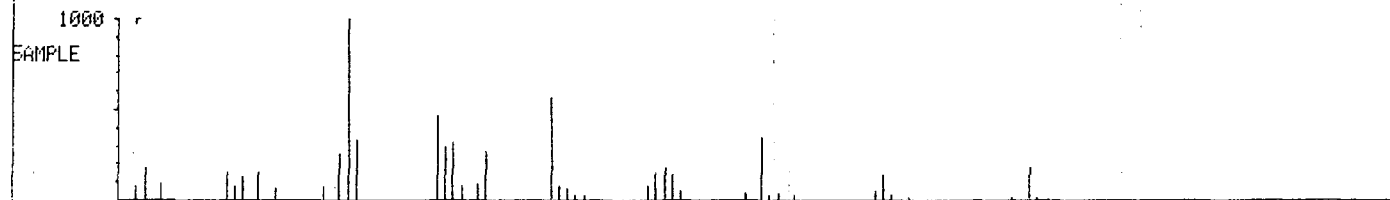


808100

LIBRARY SEARCH
09/18/84 14:01:00 + 16:52
SAMPLE: 77113-12
COND5.:

DATA: EPABN1368 #1065
CALI: EPABN1368 # 1

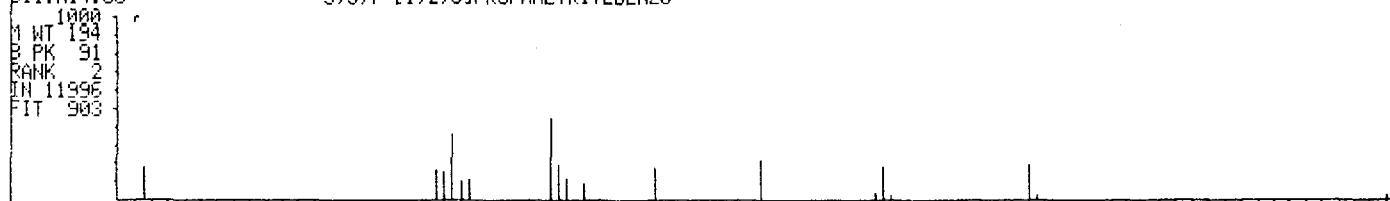
BASE M/E: 66
RIC: 212479.



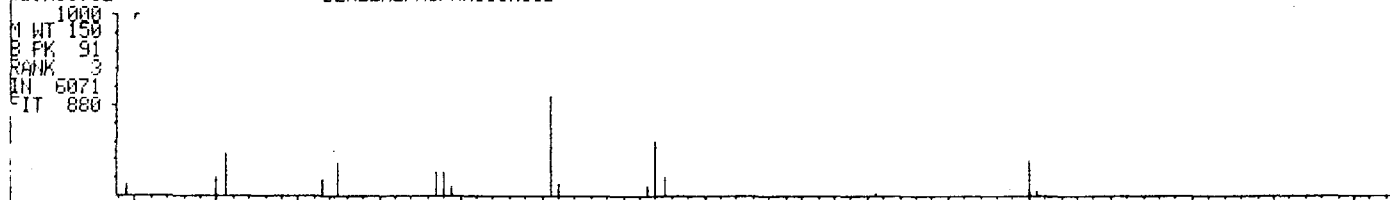
C8.H10 CYCLOPENTENE, 1-ETHENYL-3-METHY



C11.H14.O3 5,3,7-[(1,2,3)PROPANETRIYL]BENZO



C9.H10.O2 BENZENEPROPANEDICACID



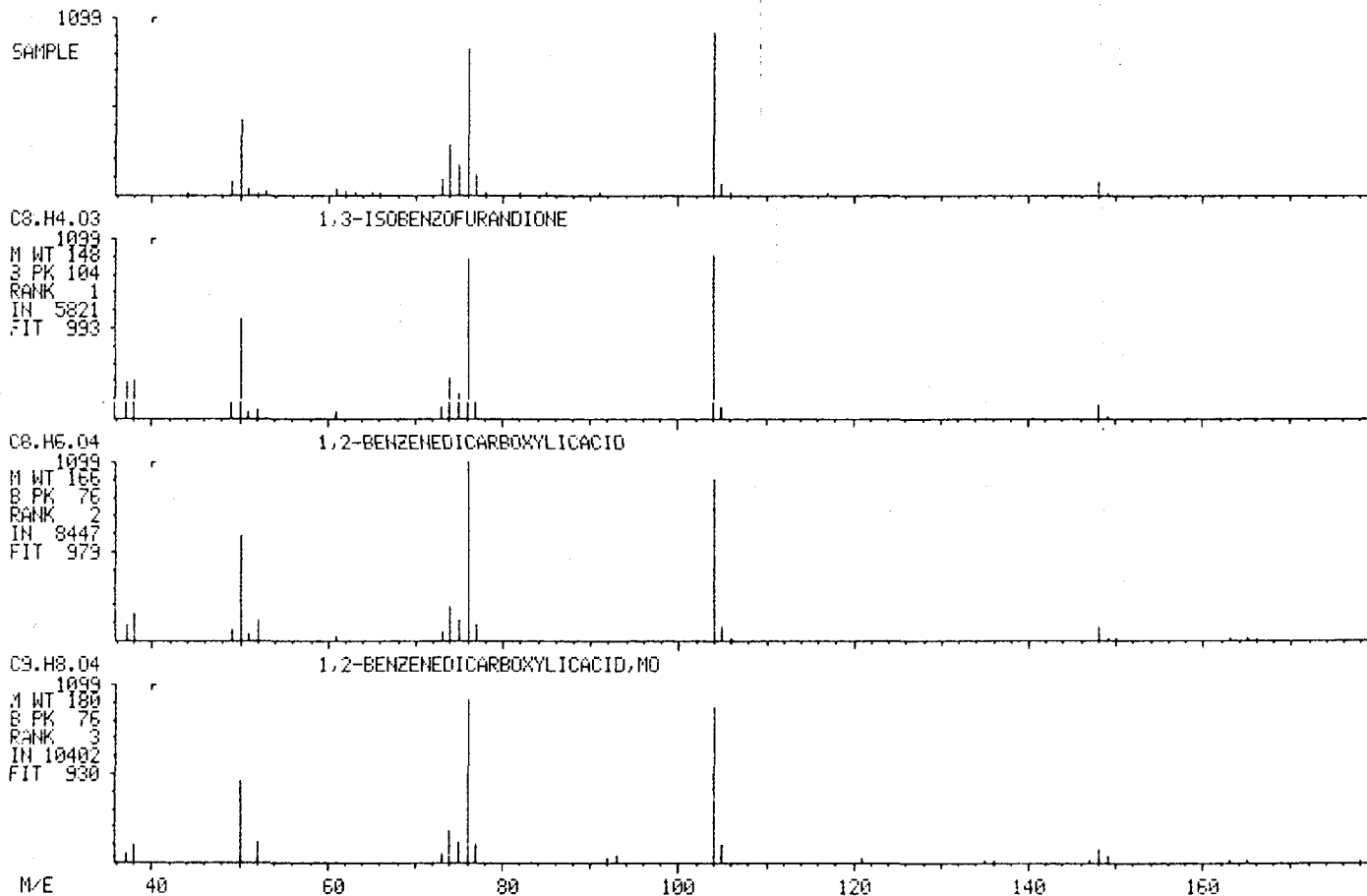
M/E 40 60 80 100 120 140 160 180

688100

LIBRARY SEARCH
09/18/84 14:01:00 + 17:34
SAMPLE: 77113-12
CONDS.:

DATA: EPABN1358 #1110
CALI: EPABN1358 # 1

BASE M/E: 104
RIC: 62143.

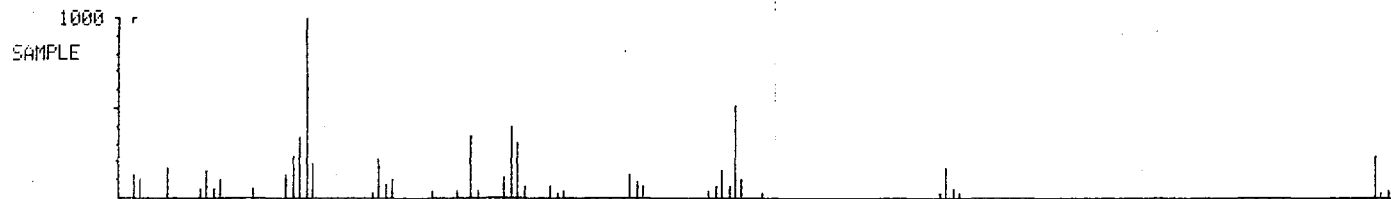


068400

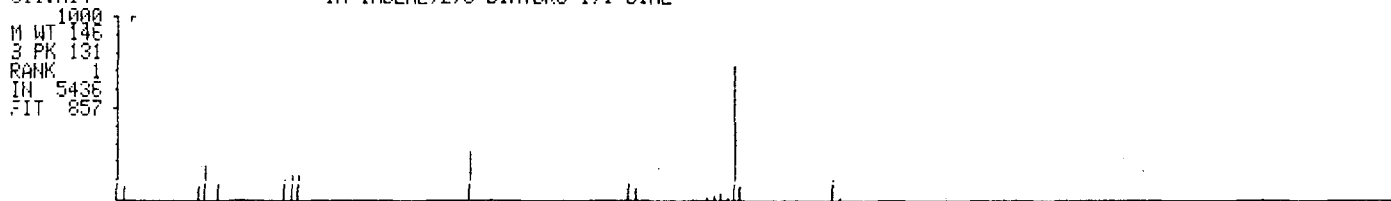
LIBRARY SEARCH
09/18/84 14:01:00 + 27:15
SAMPLE: 77113-12
CONDS.:

DATA: EPABN1368 #1722
CALI: EPABN1368 # 1

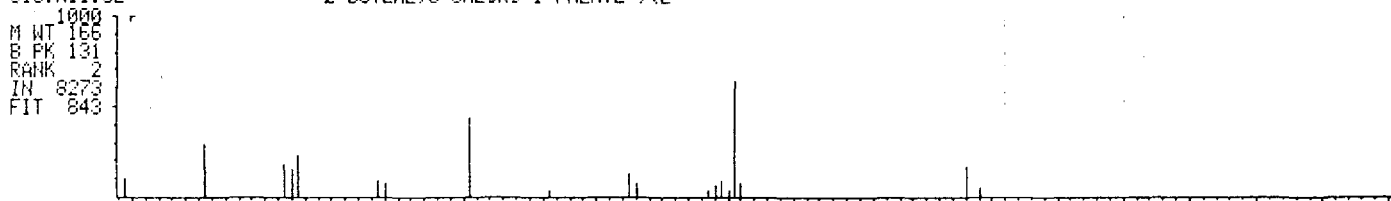
BASE M/E: 66
RIC: 28767.



C11.H14 1H-INDENE,2,3-DIHYDRO-1,1-DIME



C10.H11.CL 2-BUTENE,3-CHLORO-1-PHENYL-,<Z



C10.H11.CL BENZENE:(2-CHLORO-2-BUTENYL)-



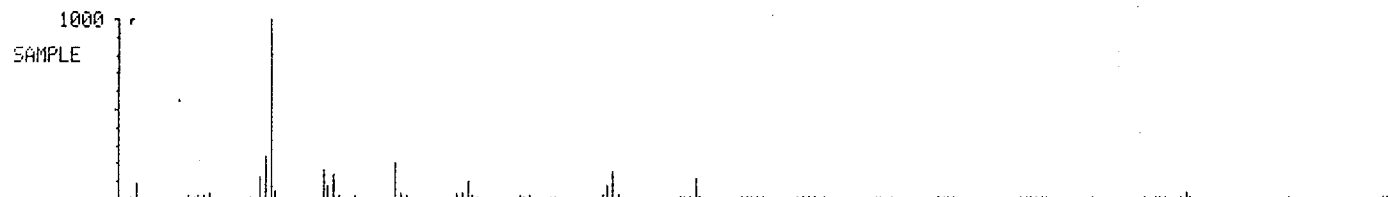
M/E 40 60 80 100 120 140 160 180 200 220

168100

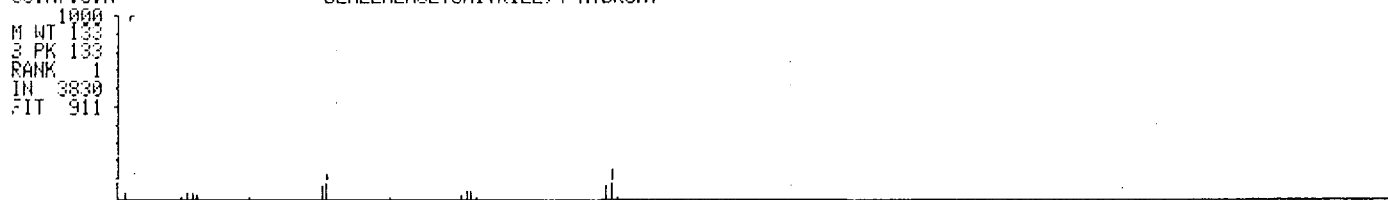
LIBRARY SEARCH
09/18/84 14:01:00 + 29:44
SAMPLE: 77113-12
CONDOS.:

DATA: EPABN1368 #1878
CALI: EPABN1368 # 1

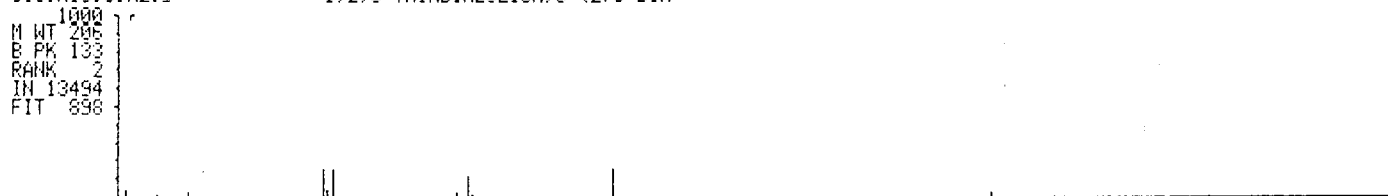
BASE M/E: 67
RIC: 211711.



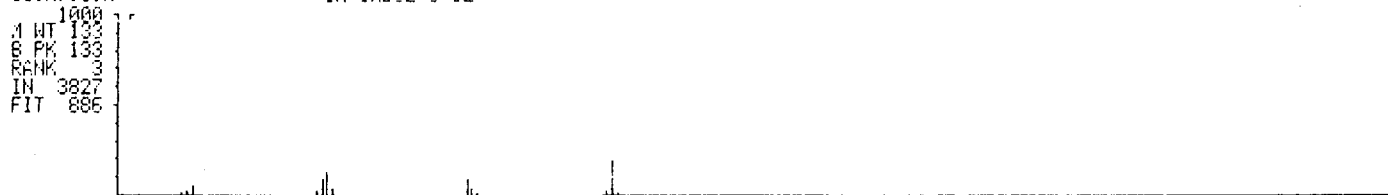
08.H7.0.N BENZENEACETONITRILE,4-HYDROXY-



010.H10.0.N2.5 1,2,3-THIAZOLIUM,3-(2,3-DIM



08.H7.0.N 1H-INDOL-5-OL



M/E

50

100

150

200

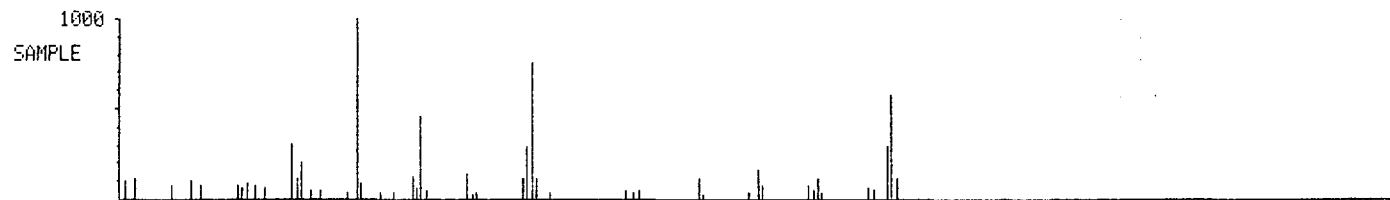
250

208100

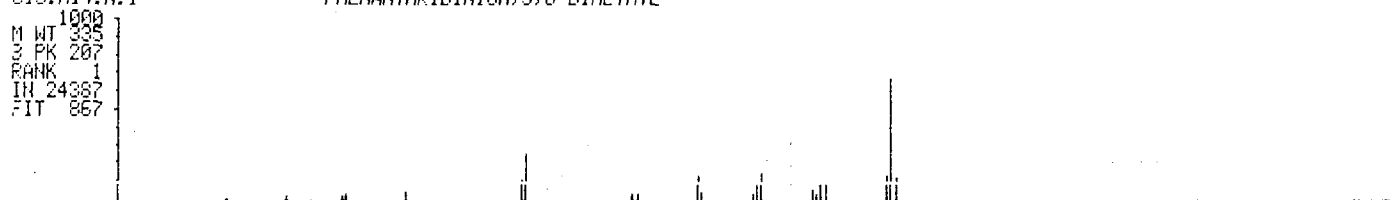
LIBRARY SEARCH
09/18/84 14:01:00 + 33:34
SAMPLE: 77113-12
CONDS.:

DATA: EPABN1368 #2120
CALI: EPABN1368 # 1

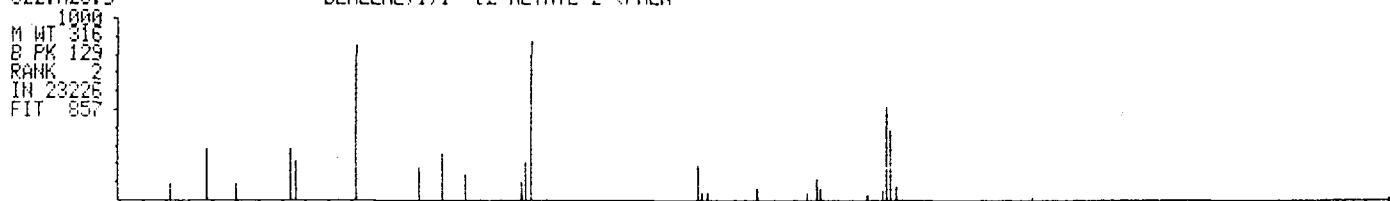
BASE M/E: 91
RIC: 24319.



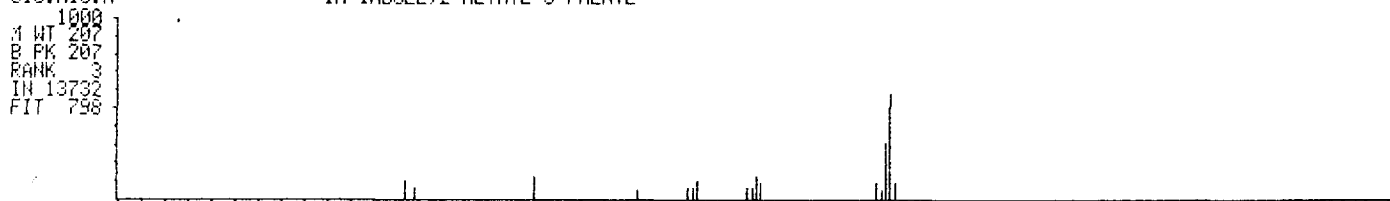
C15.H14.N.I PHENANTHRIDINIUM, 5, 6-DIMETHYL-



C22.H20.S BENZENE, 1, 1'-(2-METHYL-2-(PHEN



C15.H13.N 1H-INDOLE, 2-METHYL-3-PHENYL-



M/E

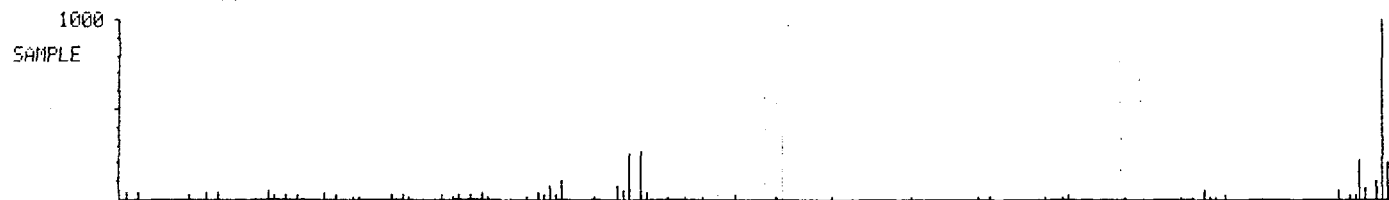
50 100 150 200 250 300

268400

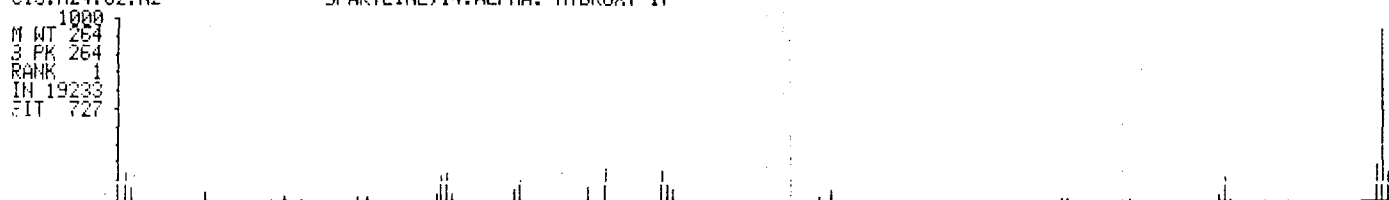
LIBRARY SEARCH
09/18/84 14:01:00 + 35:44
SAMPLE: 77113-12
CONDOS.:

DATA: EPABN1368 #2320
CALI: EPABN1368 # 1

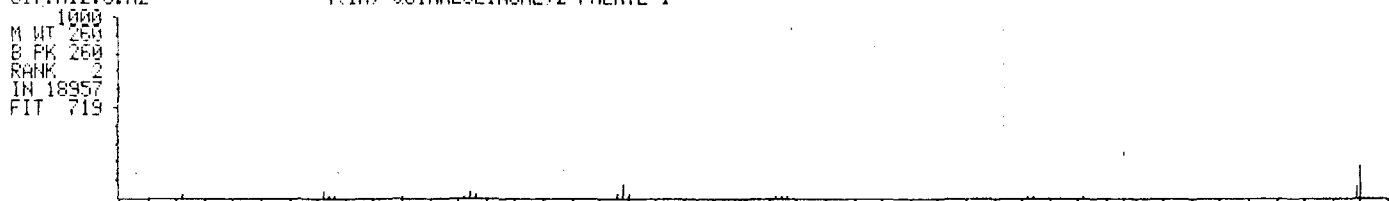
BASE M/E: 264
RIC: 41023.



C15.H24.02.N2 SPARTEINE,14.ALPHA.-HYDROXY-17



C17.H12.0.N2 4(1H)-QUINAZOLINONE,2-PHENYL-1



C13.H8.0.SE 9H-SELENOXANTHEN-9-ONE



M/E

50

100

150

200

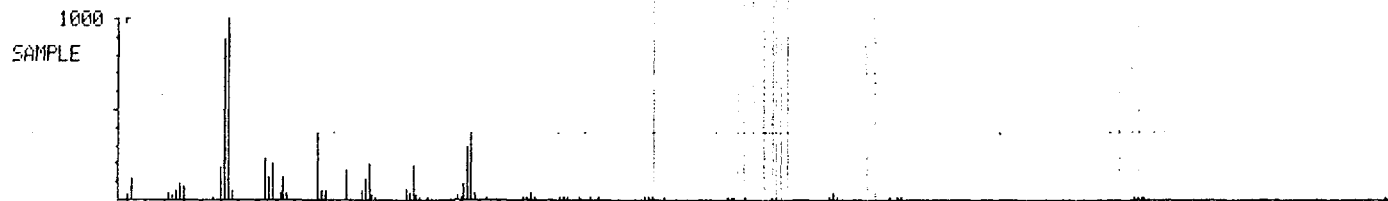
250

768100

LIBRARY SEARCH
09/18/84 14:01:00 + 38:50
SAMPLE: 77113-12
CONDS.:

DATA: EPABN1368 #2453
CALI: EPABN1368 # 1

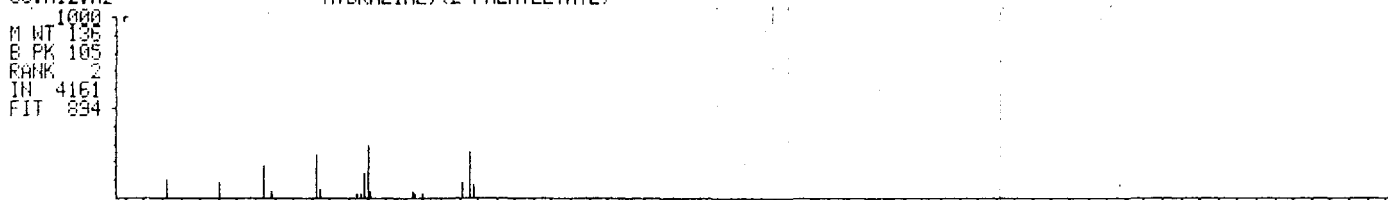
BASE M/E: 67
RIC: 241663.



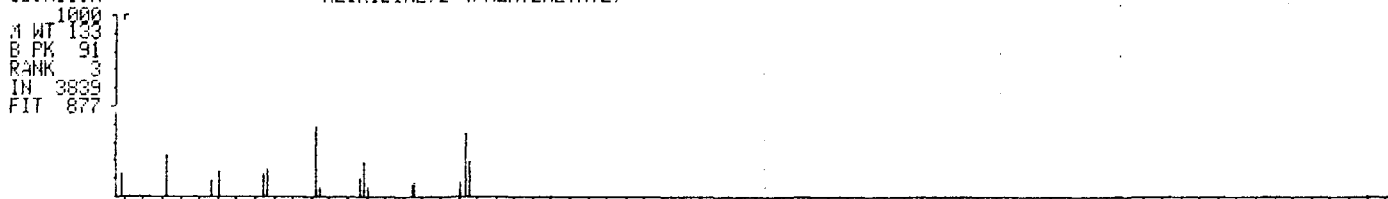
C8.H7.O.N BENZENEACETONITRILE, 4-HYDROXY-



C8.H12.N2 HYDRAZINE, (2-PHENYLETHYL)-



C9.H11.N AZIRIDINE, 2-(PHENYLMETHYL)-



M/E 50 100 150 200 250 300 350

Sample Number

F4133

Organics Analysis Data Sheet

(Page 1)

Laboratory Name: US Testing

Case No: 3089

Lab Sample ID No: 77113-13

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: jk

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH 4.3

Percent Moisture: 43

Percent Moisture (Decanted):

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	18 u
74-83-9	Bromomethane	18 u
75-01-4	Vinyl Chloride	18 u
75-00-3	Chloroethane	18 u
75-09-2	Methylene Chloride	51
67-64-1	Acetone	23
75-15-0	Carbon Disulfide	9 u
75-35-4	1,1-Dichloroethane	9 u
75-34-3	1, 1-Dichloroethane	9 u
156-60-5	Trans-1, 2-Dichloroethane	9 u
67-66-3	Chloroform	9 u
107-06-2	1, 2-Dichloroethane	9 u
78-93-3	2-Butanone	18 u
71-55-6	1, 1, 1-Trichloroethane	78
56-23-5	Carbon Tetrachloride	9 u
108-05-4	Vinyl Acetate	18 u
75-27-4	Bromodichloromethane	9 u

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	9 u
78-87-5	1, 2-Dichloropropane	9 u
10061-02-6	Trans-1, 3-Dichloropropene	9 u
79-01-6	Trichloroethene	9 u
124-48-1	Dibromochloromethane	9 u
79-00-5	1, 1, 2-Trichloroethane	9 u
71-43-2	Benzene	9 u
10061-01-5	cis-1, 3-Dichloropropene	9 u
110-75-8	2-Chloroethylvinylether	18 u
75-25-2	Bromoform	9 u
591-78-6	2-Hexanone	18 u
108-10-1	4-Methyl-2-Pentanone	3943
127-18-4	Tetrachloroethene	9 u
108-88-3	Toluene	9 u
108-90-7	Chlorobenzene	9 u
100-41-4	Ethylbenzene	9 u
100-42-5	Styrene	9 u
	Total Xylenes	9 u

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

001035

Sample Number

F4133

Organics Analysis Data Sheet
(Page 2)

Semivolatiles Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/18/84

Conc/Dil Factor: 51g → 1ml; 10x dil

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
62-75-9	N-Nitrosodimethylamine	3530 U
108-95-2	Phenol	3530
62-53-3	Aniline	3530
111-44-4	bis(2-Chloroethyl)Ether	3530
95-57-8	2-Chlorophenol	3530
541-73-1	1, 3-Dichlorobenzene	3530
106-46-7	1, 4-Dichlorobenzene	3530
100-51-6	Benzyl Alcohol	3530
95-50-1	1, 2-Dichlorobenzene	3530
95-48-7	2-Methylphenol	3530
39638-32-9	bis(2-chloroisopropyl)Ether	3530
106-44-5	4-Methylphenol	3530
621-64-7	N-Nitroso-Di-n-Propylamine	3530
67-72-1	Hexachloroethane	3530
98-95-3	Nitrobenzene	3530
78-59-1	Isophorone	3530
88-75-5	2-Nitrophenol	3530
105-67-9	2, 4-Dimethylphenol	3530
65-85-0	Benzoic Acid	17650
111-91-1	bis(2-Chloroethoxy)Methane	3530
120-83-2	2, 4-Dichlorophenol	3530
120-82-1	1, 2, 4-Trichlorobenzene	3530
91-20-3	Naphthalene	3530
106-47-8	4-Chloroaniline	3530
87-68-3	Hexachlorobutadiene	3530
59-50-7	4-Chloro-3-Methylphenol	3530
91-57-6	2-Methylnaphthalene	3530
77-47-4	Hexachlorocyclopentadiene	3530
88-06-2	2, 4, 6-Trichlorophenol	3530
95-95-4	2, 4, 5-Trichlorophenol	17650
91-58-7	2-Chloronaphthalene	3530
88-74-4	2-Nitroaniline	17650
131-11-3	Dimethyl Phthalate	3530
208-96-8	Acenaphthylene	3530
99-09-2	3-Nitroaniline	17650 U

CAS Number		ug/l or <u>ug/Kg</u> (Circle One)
83-32-9	Acenaphthene	3530 U
51-28-5	2, 4-Dinitrophenol	17650
100-02-7	4-Nitrophenol	17650
132-64-9	Dibenzofuran	3530
121-14-2	2, 4-Dinitrotoluene	3530
606-20-2	2, 6-Dinitrotoluene	3530
84-66-2	Diethylphthalate	3530
7005-72-3	4-Chlorophenyl-phenylether	3530
86-73-7	Fluorene	3530
100-01-6	4-Nitroaniline	17650
534-52-1	4, 6-Dinitro-2-Methylphenol	17650
86-30-6	N-Nitrosodiphenylamine (1)	3530
101-55-3	4-Bromophenyl-phenylether	3530
118-74-1	Hexachlorobenzene	3530
87-86-5	Pentachlorophenol	17650
85-01-8	Phenanthrene	3530
120-12-7	Anthracene	3530
84-74-2	Di-n-Butylphthalate	3530
206-44-0	Fluoranthene	3530
92-87-5	Benzidine	17650
129-00-0	Pyrene	3530
85-68-7	Butylbenzylphthalate	3530
91-94-1	3, 3'-Dichlorobenzidine	1060
56-55-3	Benzo(a)Anthracene	3530 U
117-81-7	bis(2-Ethylhexyl)Phthalate	1060 J
218-01-9	Chrysene	3530 U
117-84-0	Di-n-Octyl Phthalate	3530
205-99-2	Benzo(b)Fluoranthene	3530
207-08-9	Benzo(k)Fluoranthene	3530
50-32-8	Benzo(a)Pyrene	3530
193-39-5	Indeno(1, 2, 3-cd)Pyrene	3530
53-70-3	Dibenz(a, h)Anthracene	3530
191-24-2	Benzo(g, h, i)Perylene	3530 U

Sample Number

F4133

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	Unknown	VOA	763	40
2.	2,2,4-Trimethyl Pentane	↓	804	50
3.	Unknown	↓	842	80
4.				
5.				
6.	Unknown	ABN	2392	3790
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

001397

QUANTITATION REPORT FILE: EPABN1369

DATA: EPABN1369.TI

09/18/84 15:01:00

SAMPLE: 77113-13

SUBMITTED BY:

ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* D-4 1,4-DICHLOROBENZENE
2	* D-8 NAPHTHALENE
3	* D-8 ACENAPHTHENE
4	* D-10 PHENANTHRENE
5	* D-12 CHRYSENE
6	* D-12 PERYLENE
7	2-FLUOROPHENOL (SURROGATE)
8	D-5 PHENOL (SURROGATE)
9	D-5 NITROBENZENE (SURROGATE)
10	2-FLUOROBIPHENYL (SURROGATE)
11	2,4,6-TRIBROMOPHENOL (SURROGATE)
12	D-14 TERPHENYL (SURROGATE)
13	N-NITROSODIMETHYLAMINE
14	2-CHLOROPHENOL
15	PHENOL
16	BIS (2-CHLOROETHYL) ETHER
17	1,3-DICHLOROBENZENE
18	1,4-DICHLOROBENZENE
19	1,2-DICHLOROBENZENE
20	HSL ANILINE
21	HSL BENZYL ALCOHOL
22	BIS(2-CHLOROISOPROPYL)ETHER
23	HEXACHLOROETHANE
24	N-NITROSODIPROPYLAMINE
25	NITROBENZENE
26	ISOPHORONE
27	2-NITROPHENOL
28	2,4-DIMETHYLPHENOL
29	BIS(2-CHLOROETHOXY)METHANE
30	2,4-DICHLOROPHENOL
31	1,2,4-TRICHLOROBENZENE
32	NAPHTHALENE
33	HEXACHLOROBTADIENE
34	P-CHLORO-M-CRESOL
35	HEXACHLOROCYCLOPENTADIENE
36	2,4,6-TRICHLOROPHENOL
37	HSL 2-METHYLPHENOL
38	HSL 4-METHYLPHENOL
39	HSL BENZOIC ACID
40	HSL 4-CHLOROANILINE
41	HSL 2-METHYLNAPHTHALENE
42	2-CHLORONAPHTHALENE
43	DIMETHYL PHTHALATE
44	ACENAPHTHYLENE
45	2,6-DINITROTOLUENE
46	ACENAPHTHENE

001369

000100

RIC

08/19/84 3:07:00

SAMPLE: 77113-13

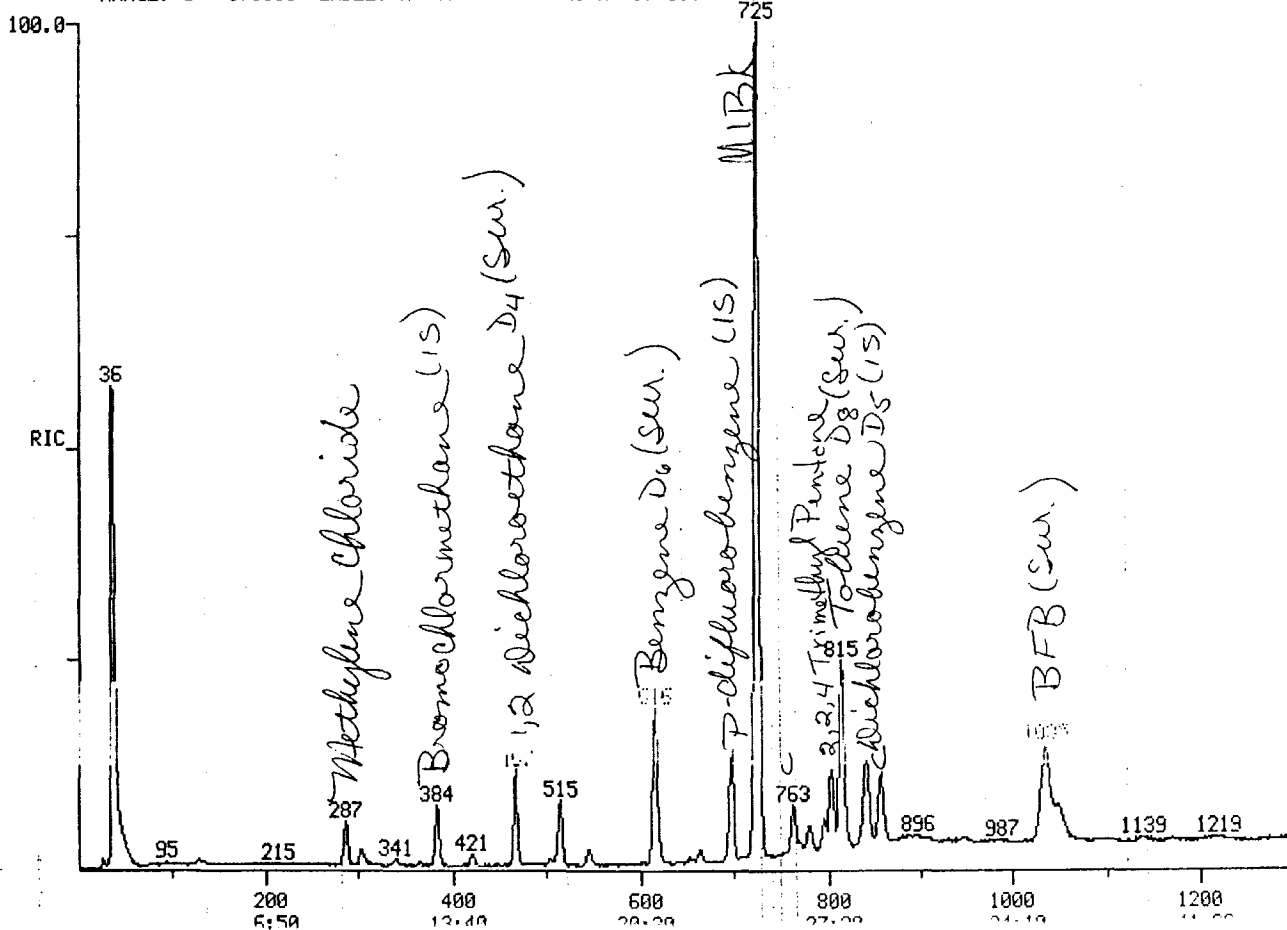
CONDS.:

RANGE: G 1.1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPAU0A1719 #1

SCANS 1 TO 1300

CALI: EPAU0A1719 #1



433152.

SCAN

QUANTITATION REPORT FILE: EPAVOA1719

DATA: EPAVOA1719.TI

08/19/84 3:07:00

SAMPLE: 77113-12

SUBMITTED BY EPA

ANALYST: RJW

AMOUNT=AREA * REF. AMNT/(REF. AREA)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1,1-DICHLOROETHYLENE
12	1,1-DICHLOROETHANE
13	TRANS-1,2-DICHLOROETHYLENE
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	1,1,1-TRICHLOROETHANE
17	HSL ACETONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLOROMETHANE
26	1,1,2-TRICHLOROETHANE
27	CIS-1,3-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL ISOBUTYL KETONE
33	1,2-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1,1,2,2-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

001200

NO NAME

47 M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48 D-E ETHYLBENZENE (SURROGATE)
49 TOLUENE-DB (SURROGATE)
50 P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SC	IME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	3.4	17:07	1	1.000	A BB	24433.	50.000 UG/L	1.67
2	114	6.4	22:51	2	1.000	A BB	106044.	50.000 UG/L	1.67
3	117	8.4	29:15	3	1.000	A BB	57429.	50.000 UG/L	1.67
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	2.3	21:48	1	0.747	A BB	24604.	28.336 UG/L	0.94
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								

001901

pen

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	XTOT
15	NOT	FOUND							
16	97	5:5	17:36	1	1.341	A BB	49334.	43.194 UG/L	1.44
17	58	3:4	10:23	1	0.792	A BB	7767.	156.133 UG/L	5.20
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	43	7:5	24:46	2	1.039	A BB	920137.	2190.620 UG/L	73.02
33	65	4:5	15:57	2	0.669	A BB	97680.	96.641 UG/L	3.22
34	84	6:1	21:03	2	0.883	A BB	191749.	93.845 UG/L	3.13
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	165	7:5	25:37	3	0.910	A BB	3740.	4.153 UG/L	0.14
39	83	7:5	26:43	3	0.914	A BB	5346.	6.666 UG/L	0.22
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	45	7:5	25:25	3	0.903	A VV	8320.	24.256 UG/L	0.81
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	8:1	27:51	3	0.952	A BB	177012.	108.829 UG/L	3.63
50	95	10:3	28:22	3	1.209	A BB	108853.	97.376 UG/L	3.25

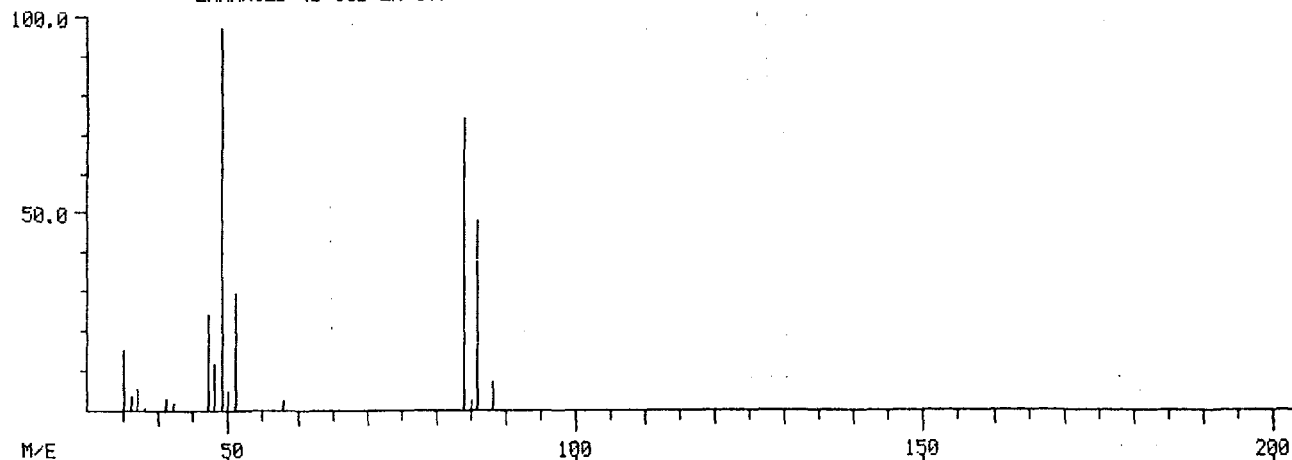
001202

per

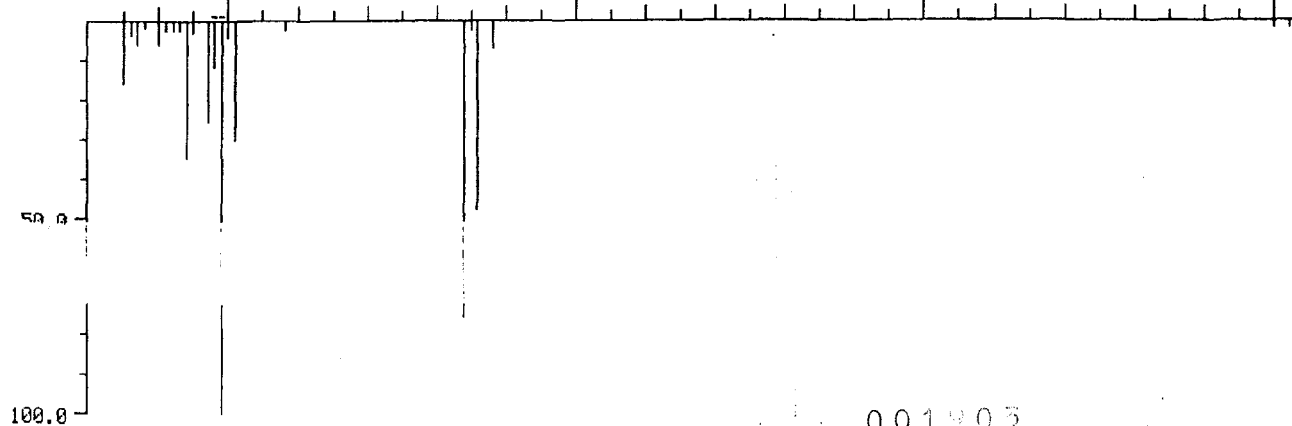
DUAL MASS SPECTRUM
08/19/84 3:07:00 + 9:48
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2H 0T)

DATA: EPAU0A1719 #297
CALI: EPAU0A1719 #1

BASE M/E: 49/ 49
RIC: 21631./ 25439.



6536.

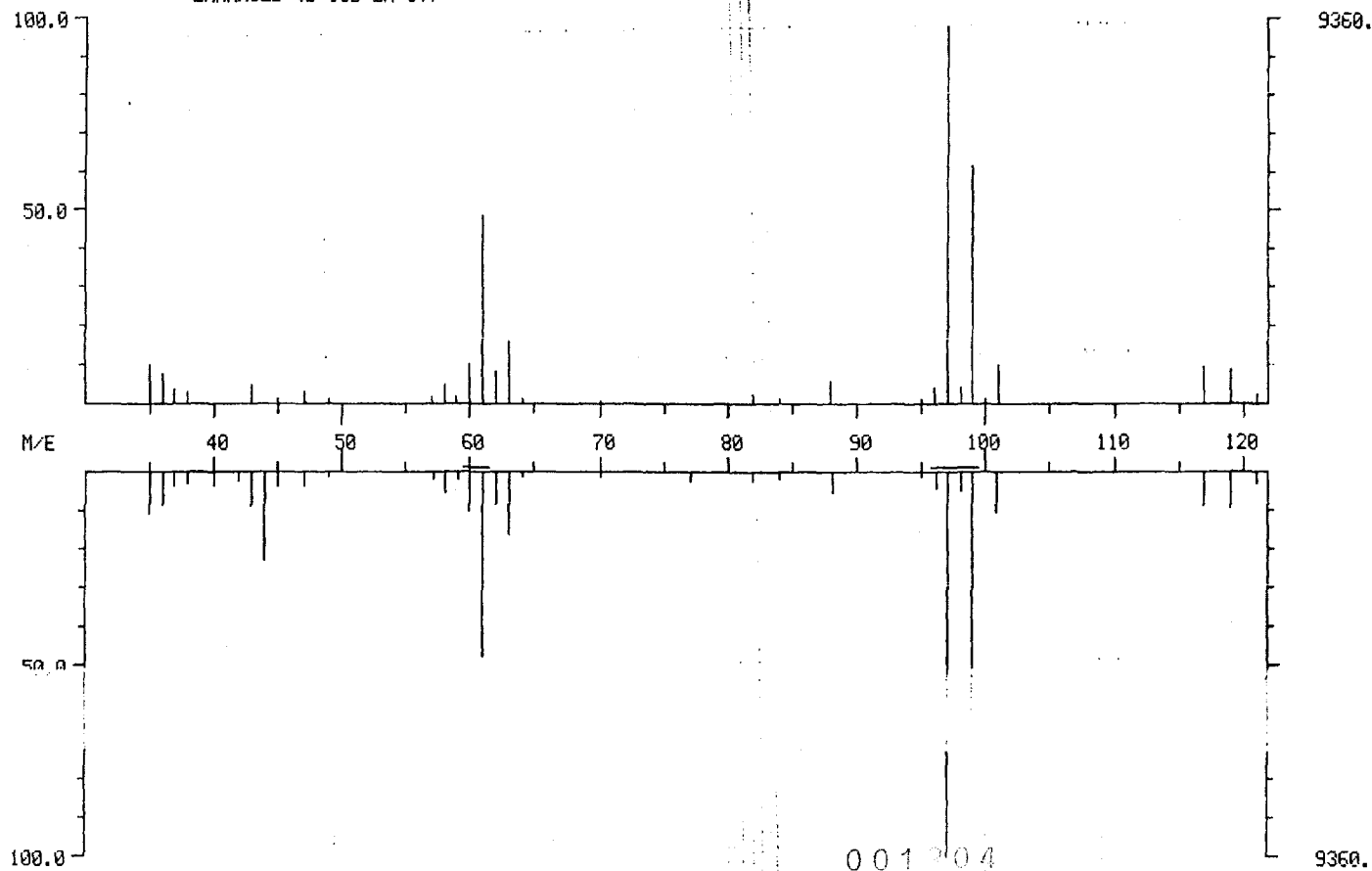


6536.

001903

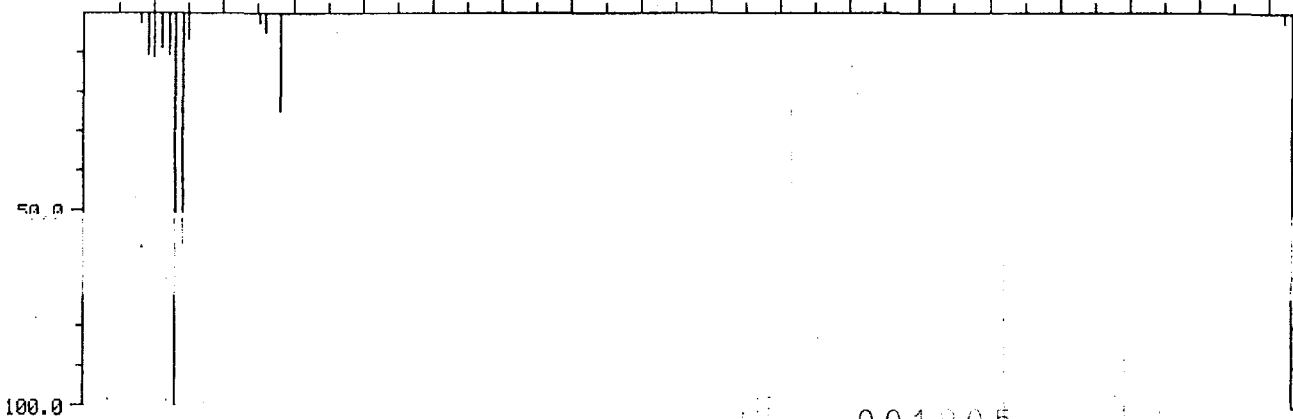
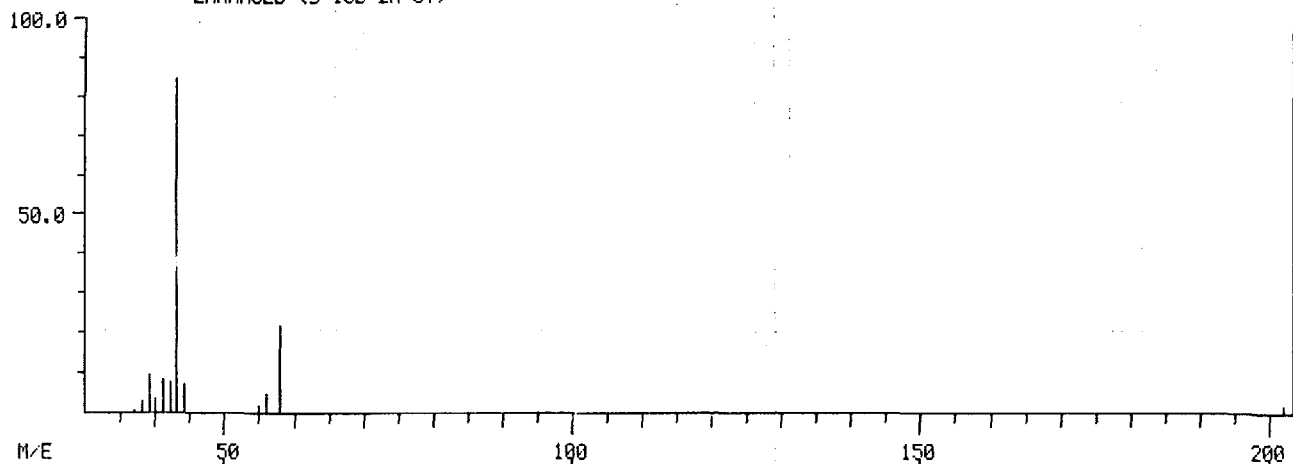
DUAL MASS SPECTRUM
08/13/94 3:07:00 + 17:35
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1719 #515 BASE M/E: 97/ 97
CALI: EPAU0A1719 #1 RIC: 31679./ 35839.



DUAL MASS SPECTRUM
03/19/94 3:07:00 + 10:23
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1719 #304 BASE M/E: 43/ 43
CALI: EPAU0A1719 #1 RIC: 6967./ 10943.



001905

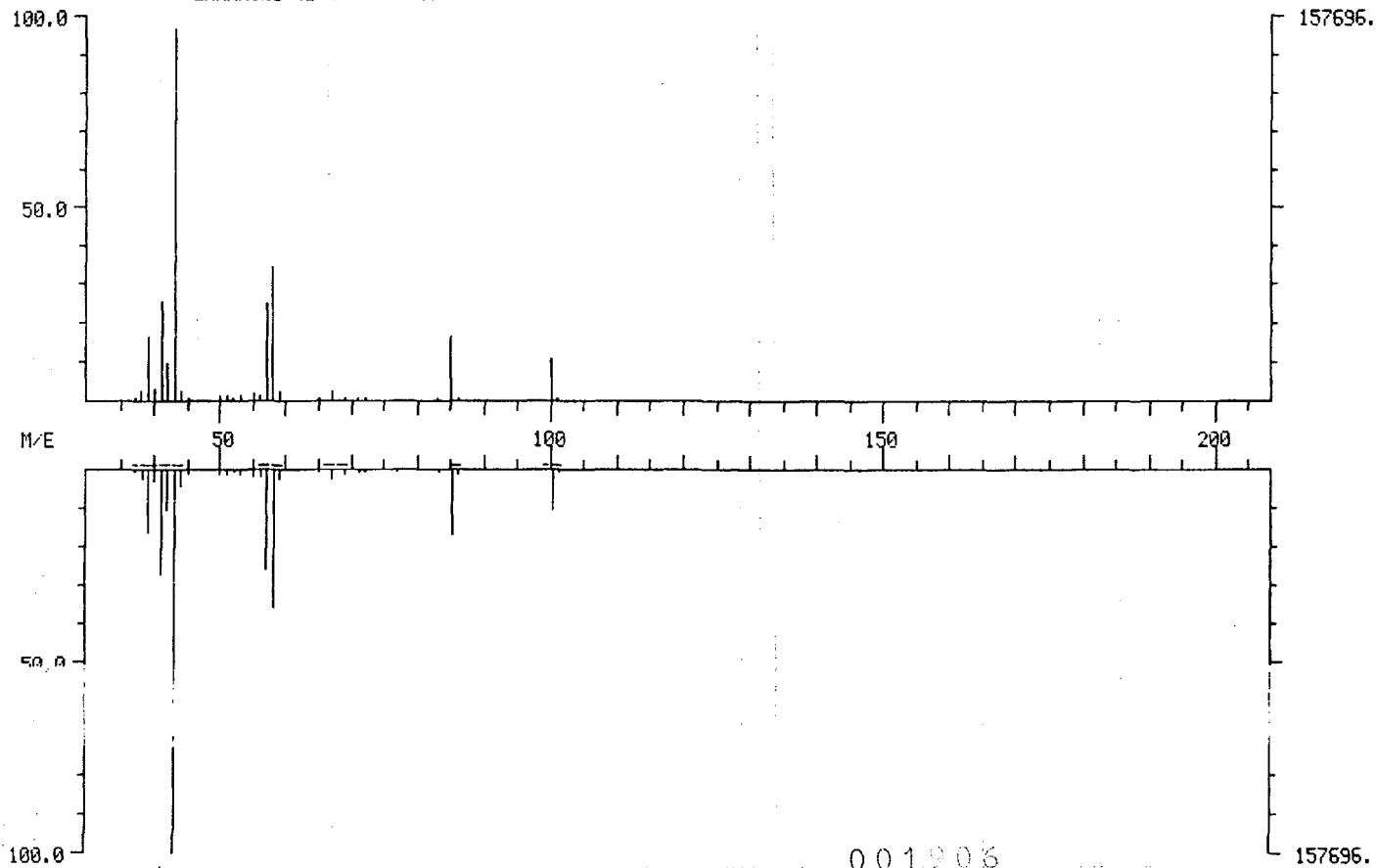
4496.

4496.

DUAL MASS SPECTRUM
03/19/84 3:07:00 + 24:46
SAMPLE: 77113-13
COND.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1719 #725
CALI: EPA00A1719 #1

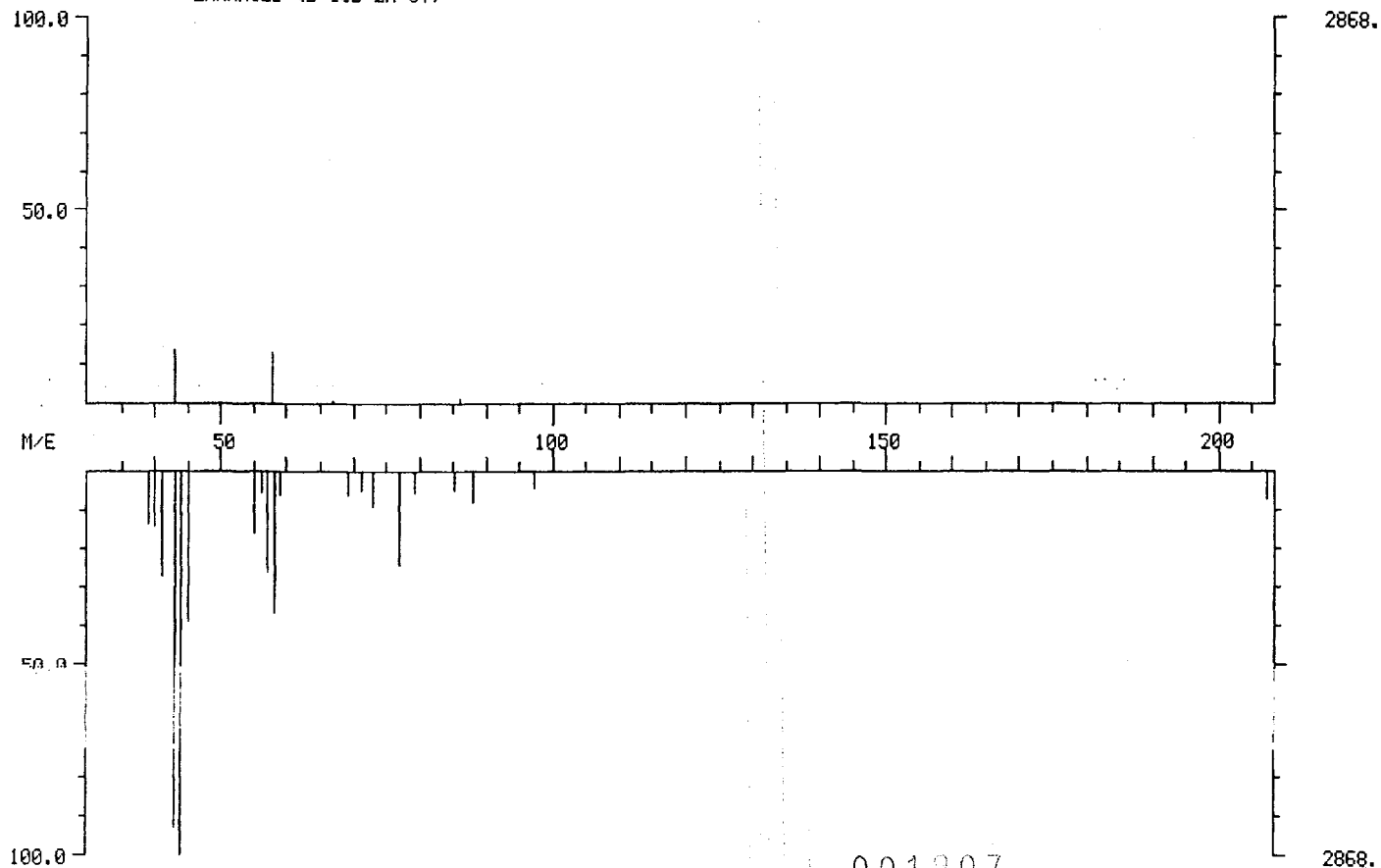
BASE M/E: 43/ 43
RIC: 410623./ 430591.



DUAL MASS SPECTRUM
08/19/84 3:07:00 + 26:25
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

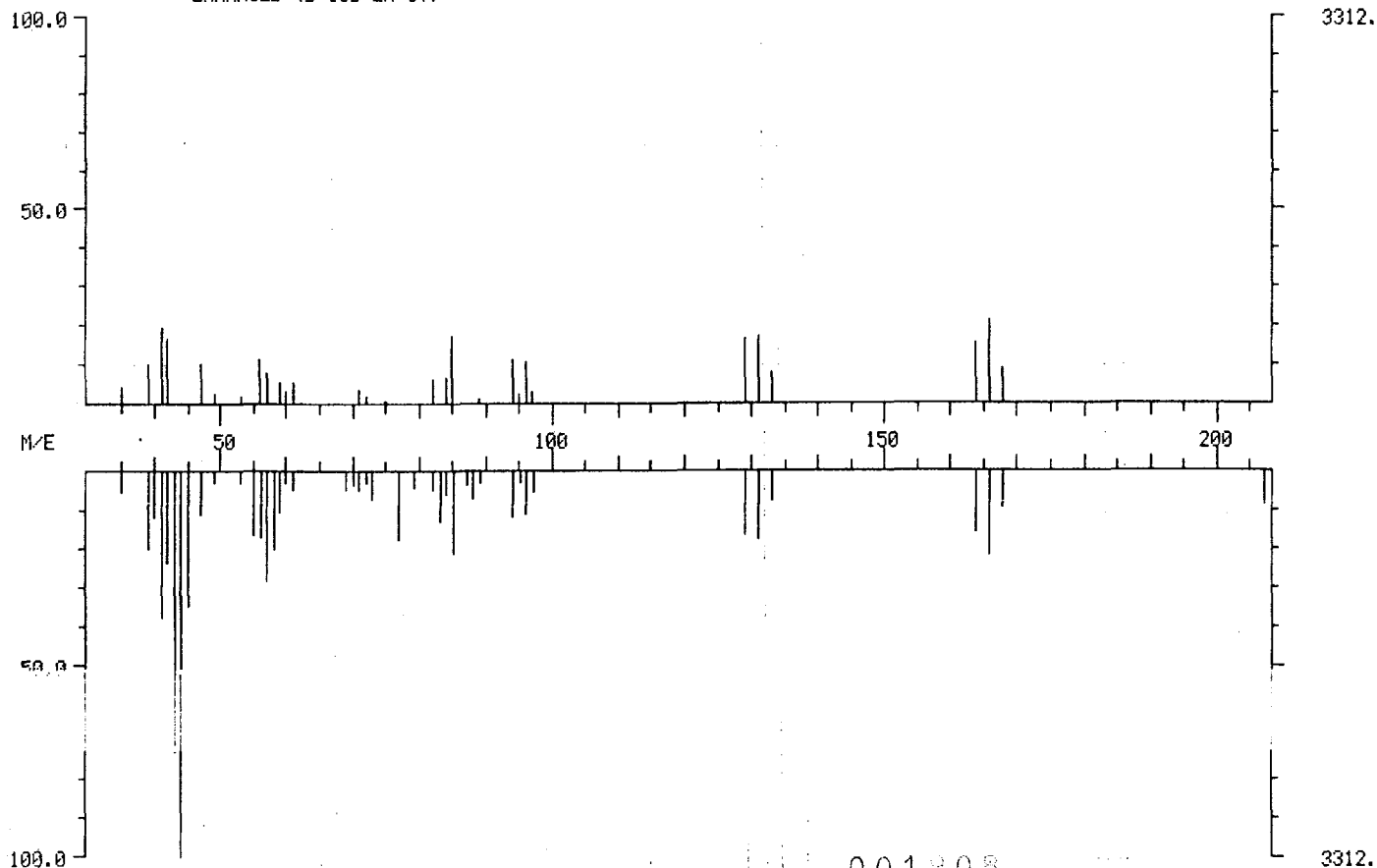
DATA: EPAU0A1719 #773
CALI: EPAU0A1719 #1

BASE M/E: 43/ 44
RIC: 802./ 12847.



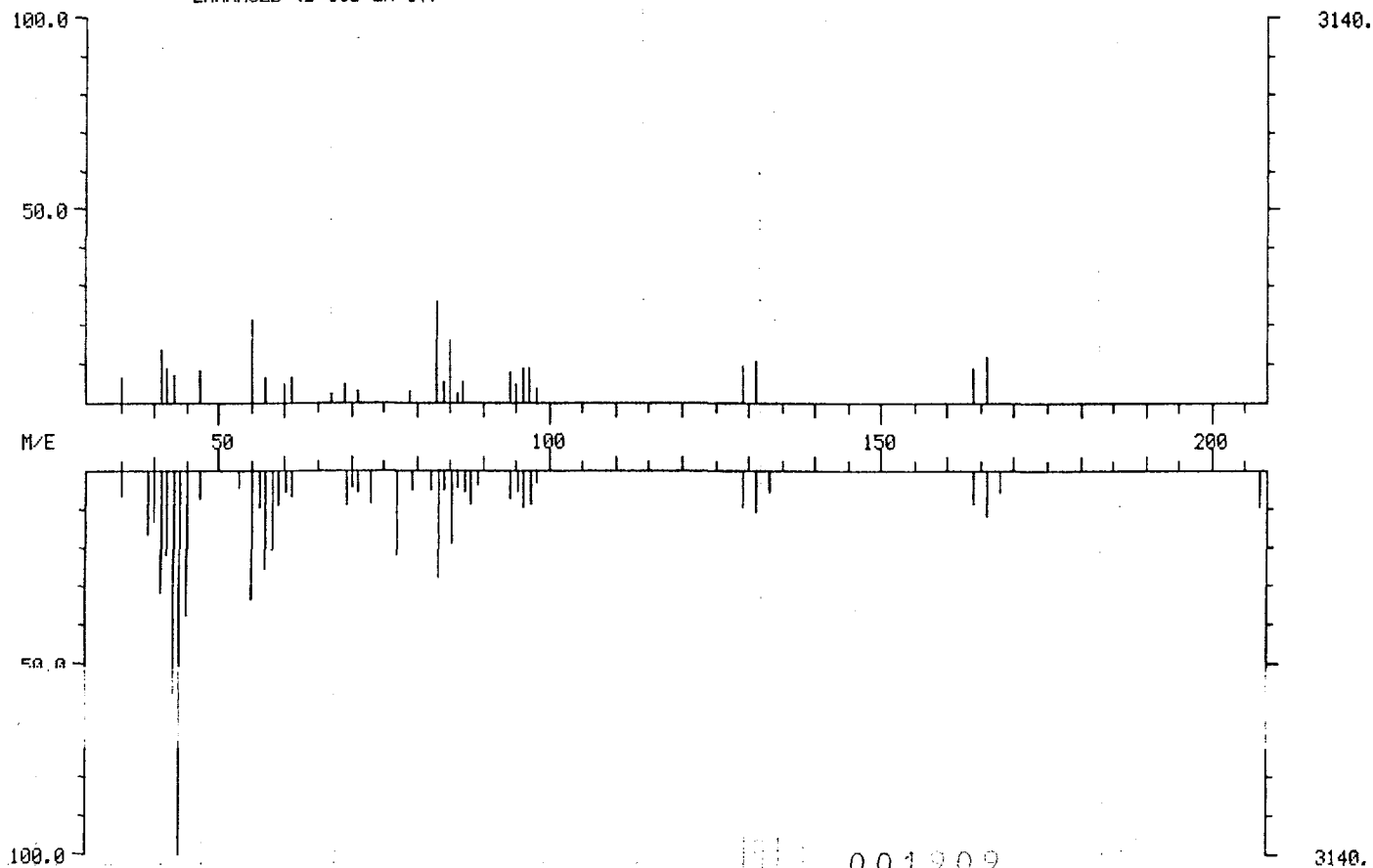
DUAL MASS SPECTRUM
08/19/84 3:07:00 + 26:37
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAVDA1719 #779 BASE M/E: 166/ 44
CALI: EPAVDA1719 #1 RIC: 9175./ 21987.



DUAL MASS SPECTRUM
08/19/84 3:07:00 + 26:43
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1719 #782 BASE M/E: 83/ 44
CALI: EPAU0A1719 #1 RIC: 7079./ 19007.

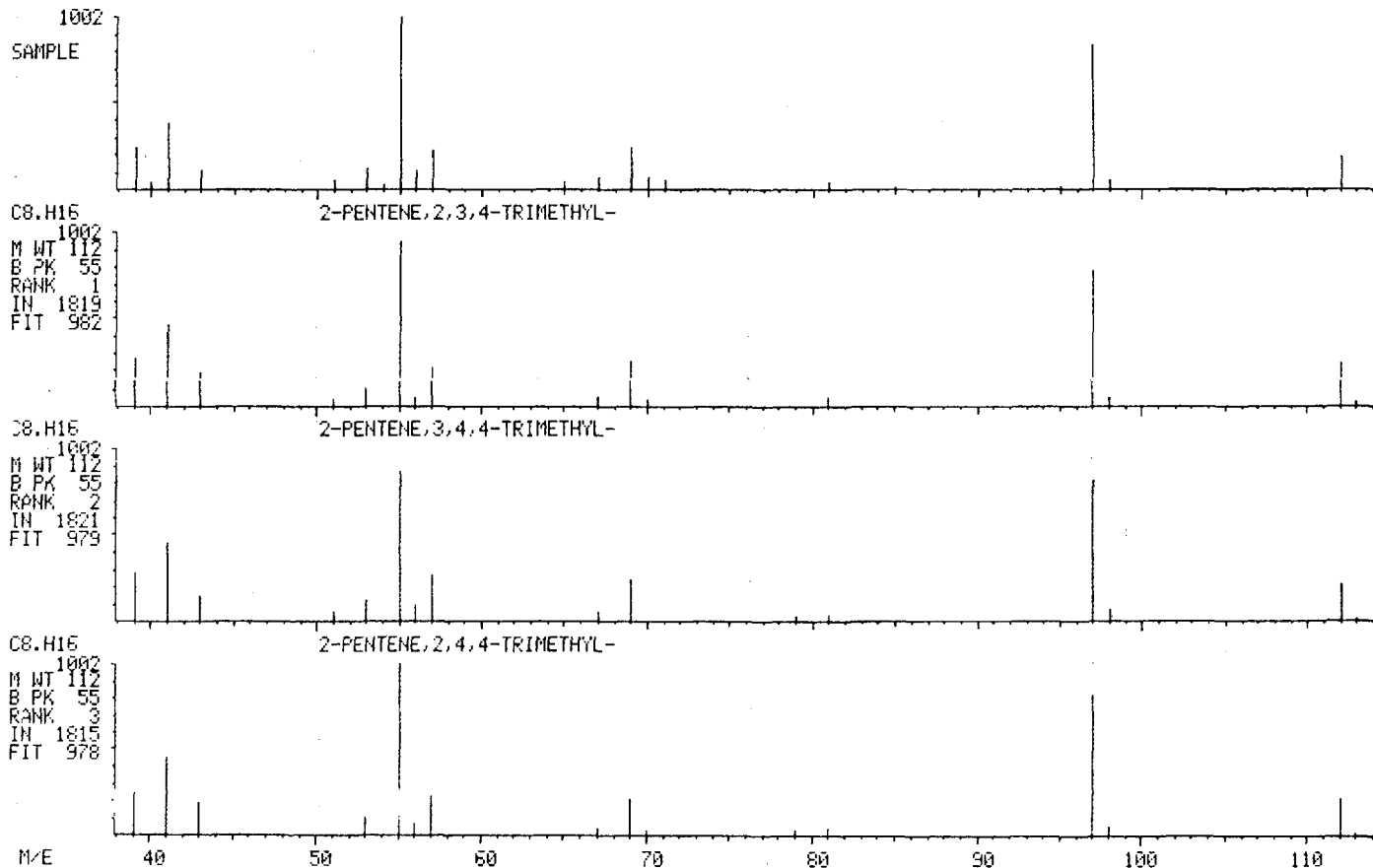


016100

LIBRARY SEARCH
08/19/84 3:07:00 + 26:04
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1719 # 763
CALI: EPA00A1719 # 1

BASE M/E: 55
RIC: 20895.

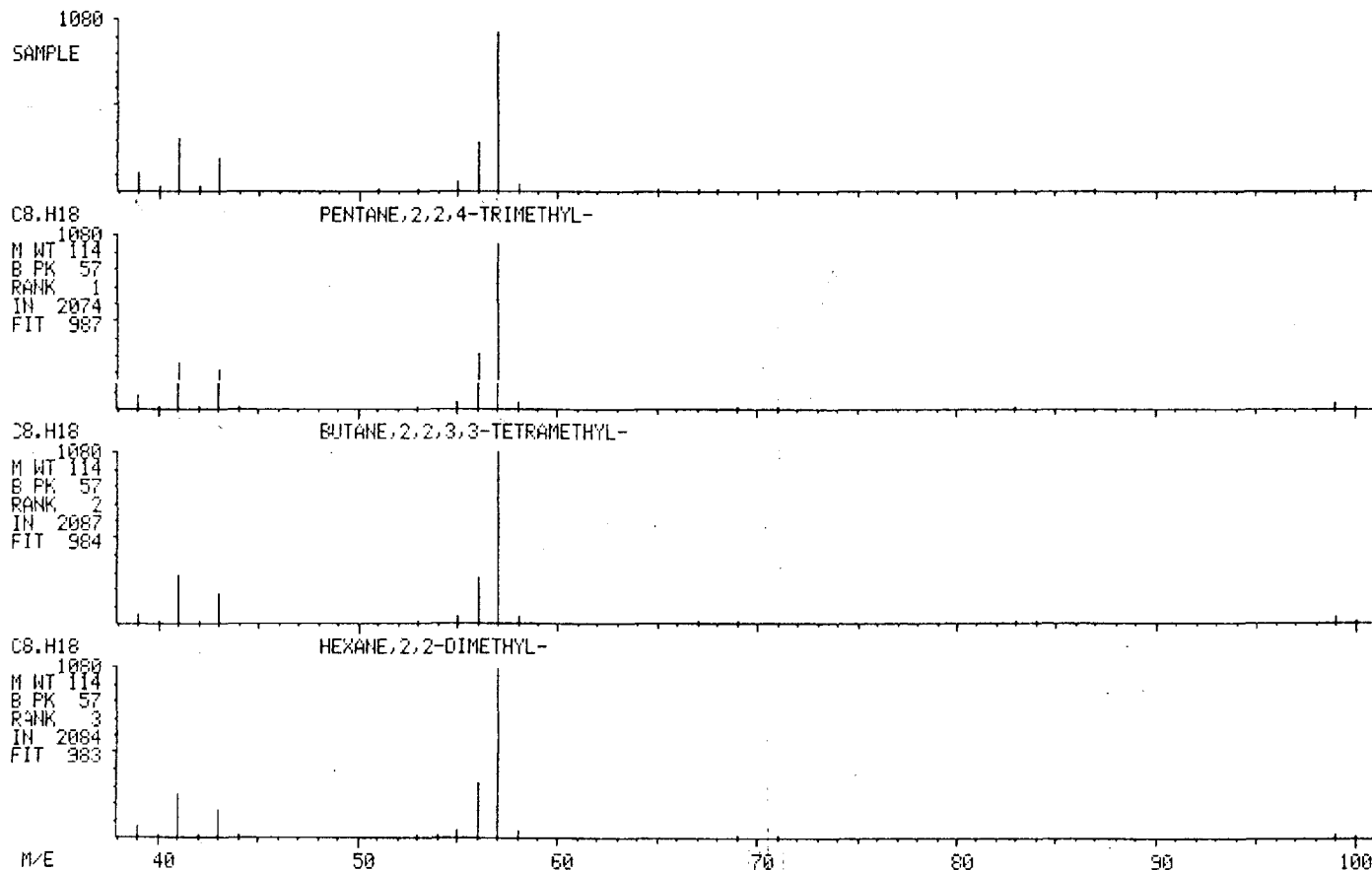


116100

LIBRARY SEARCH
08/19/84 3:07:00 + 27:28
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1719 # 804
CALI: EPAU0A1719 # 1

BASE M/E: 57
RIC: 33215.

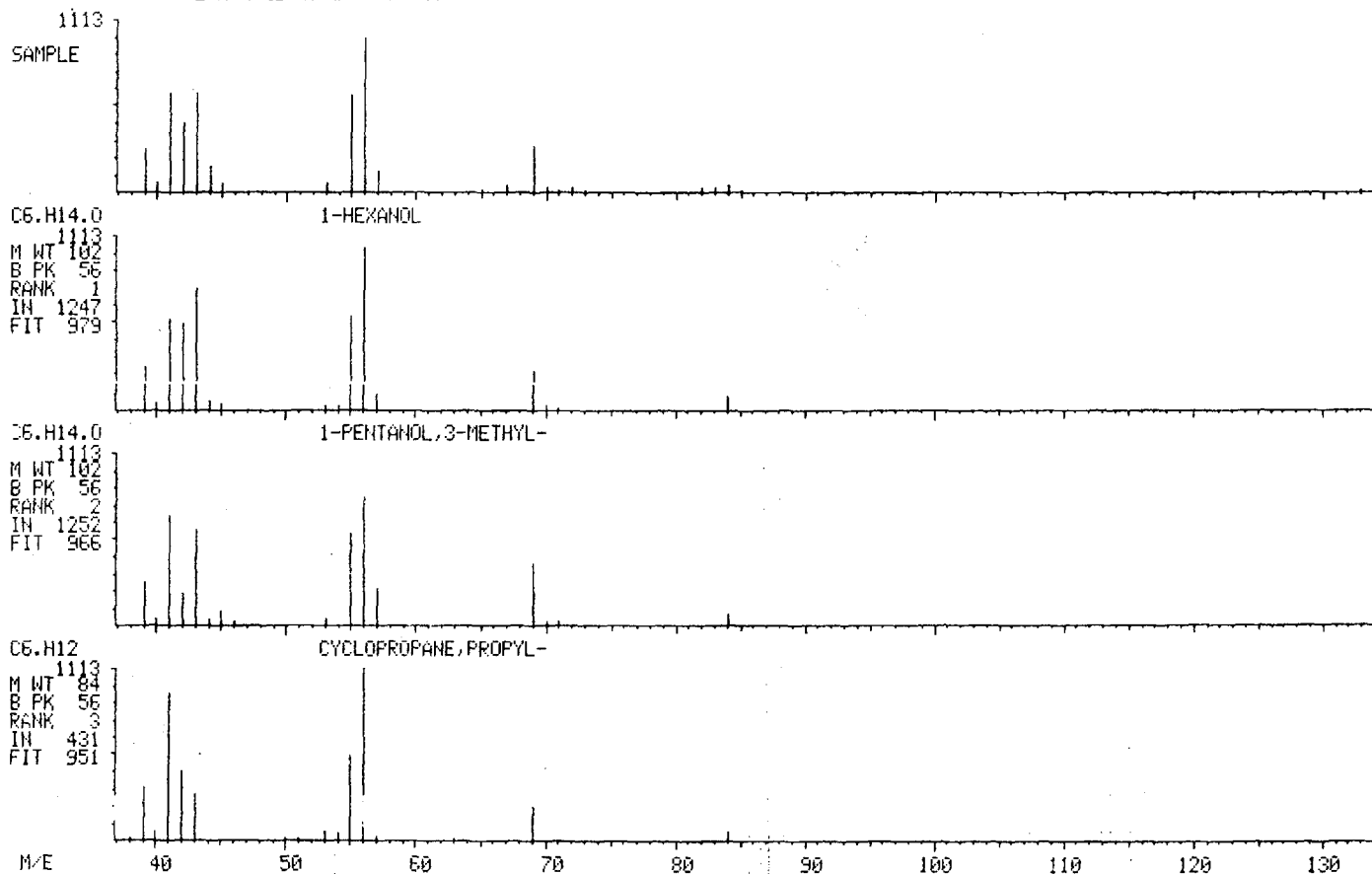


216100

LIBRARY SEARCH
08/19/84 3:07:00 + 28:46
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 158 2N 0T)

DATA: EPA00A1719 # 842
CALI: EPA00A1719 # 1

BASE M/E: 56
RIC: 39231.



0016100

RIC

09/13/84 15:01:00

SAMPLE: 77113-13 1/10

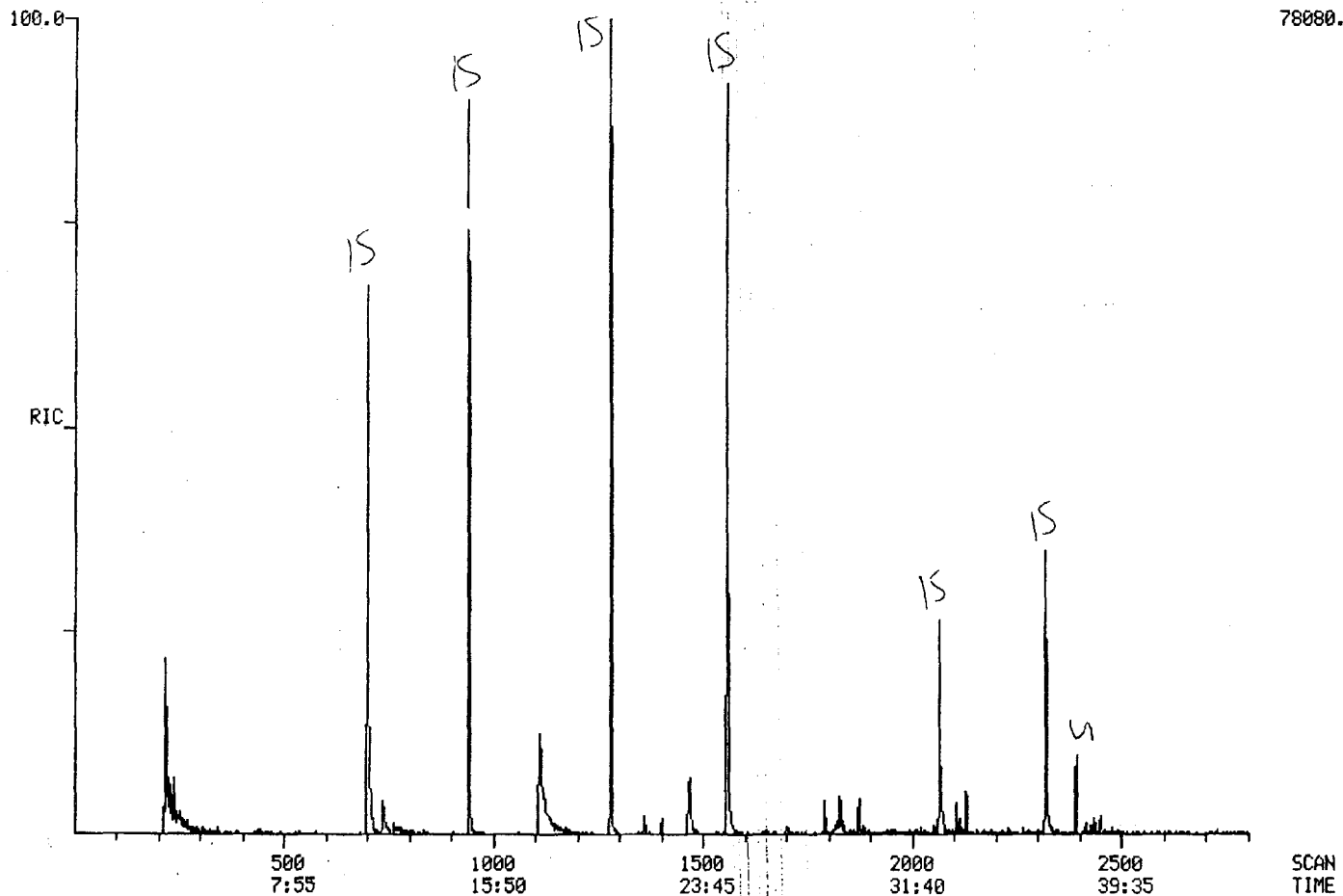
CONDS.:

RANGE: G 1.2800 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

DATA: EPABN1369 #1

CALI: EPABN1369 #1

SCANS 1 TO 2800



NO	NAME
47	2,4-DINITROPHENOL
48	4-NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLOROBENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

001914

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	700	11:03	1	1.000	A BB	23464.	40.000 UG/ML	16.43
2	136	942	14:55	2	1.000	A BB	59358.	40.000 UG/ML	16.43
3	164	1280	20:16	3	1.000	A BB	37147.	40.000 UG/ML	16.43
4	188	1559	24:41	4	1.000	A BB	64253.	40.000 UG/ML	16.43
5	240	2065	32:42	5	1.000	A BB	24812.	40.000 UG/ML	16.43
6	264	2320	36:44	6	1.000	A BB	38429.	40.000 UG/ML	16.43
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	74	222	3:31	1	0.317	A BB	242.	0.431 UG/ML	0.18
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								

001315

gl

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HQHT)	AMOUNT	%TOT
57	NOT	FOUND							
58	NOT	FOUND							
59	178	1562	24:44	4	1.092	A BB	320.	0.197 UG/ML	0.08
60	NOT	FOUND							
61	NOT	FOUND							
62	202	1792	28:22	4	1.149	A BB	665.	0.585 UG/ML	0.24
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	202	1833	29:01	5	0.888	A BB	505.	0.344 UG/ML	0.14
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	149	2106	33:21	5	1.020	A BB	1586.	2.484 UG/ML	1.02
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

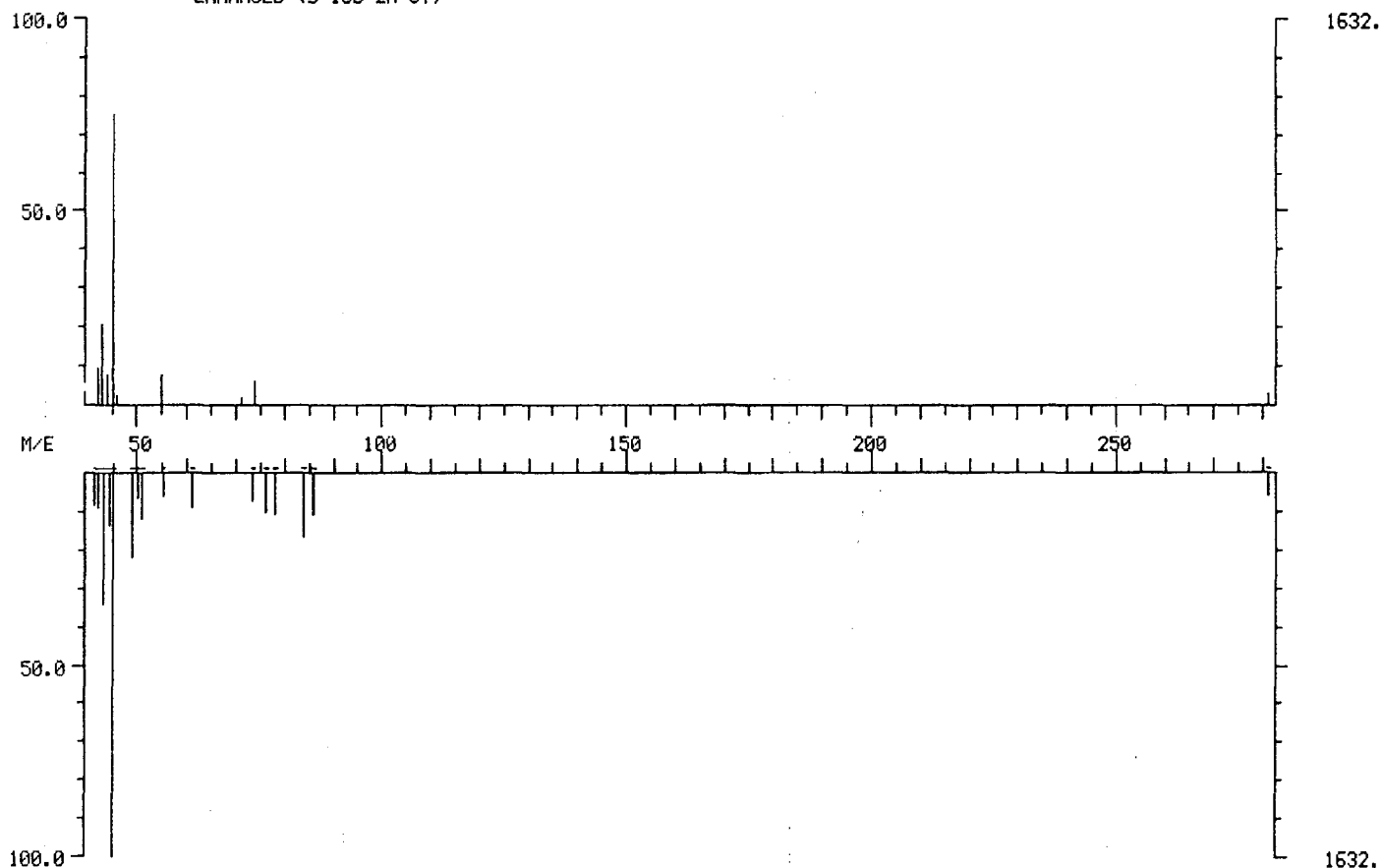
001016

f

DUAL MASS SPECTRUM
09/18/84 15:01:00 + 3:31
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1369 #222
CALI: EPABN1369 #1

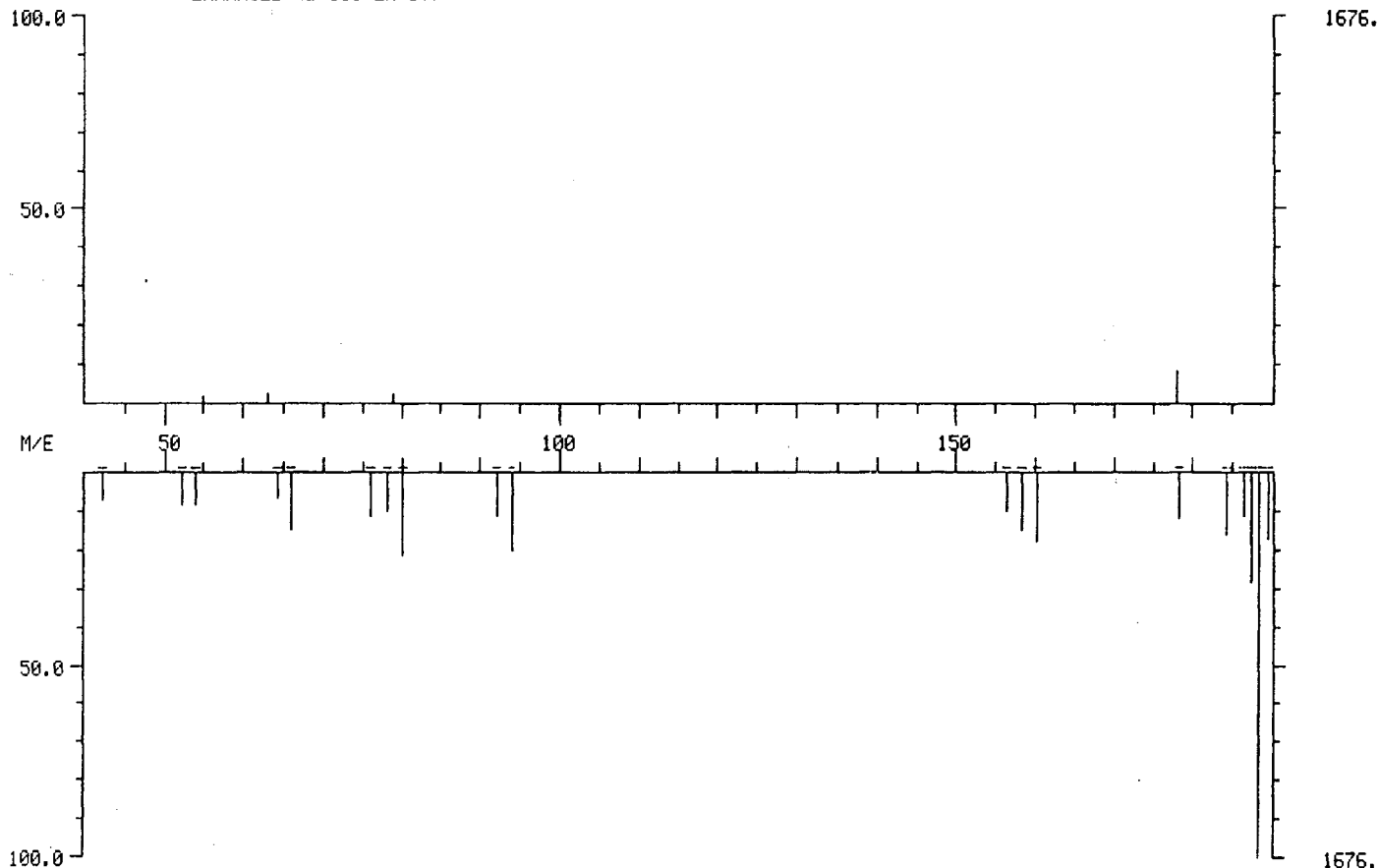
BASE M/E: 45/ 45
RIC: 2183./ 4599.



001917

DUAL MASS SPECTRUM
09/18/84 15:01:00 + 24:44
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 158 2N 0T)

DATA: EPABN1369 #1562 BASE M/E: 178/ 188
CALI: EPABN1369 #1 RIC: 243./ 5815.



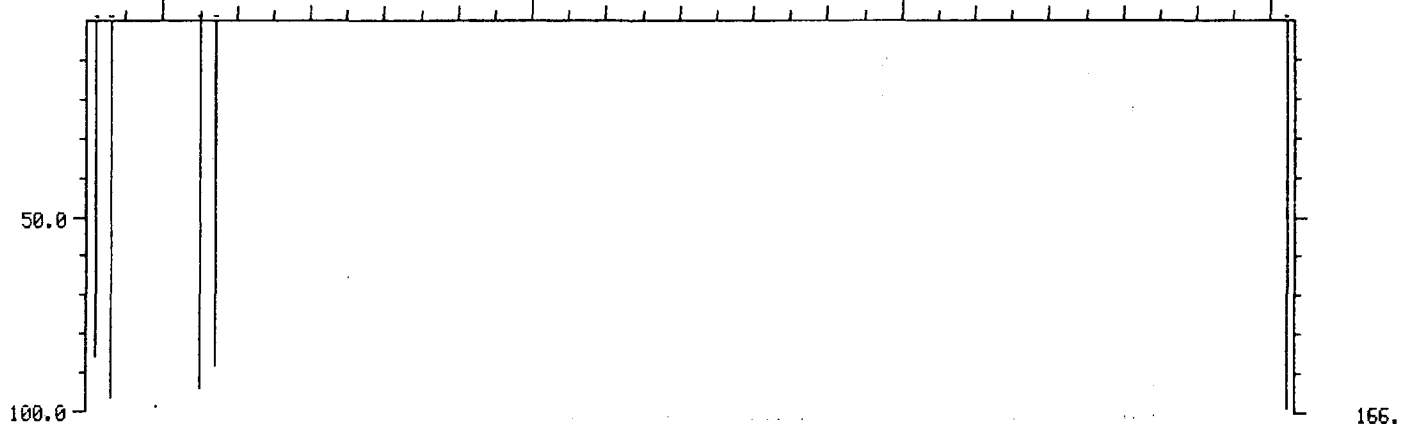
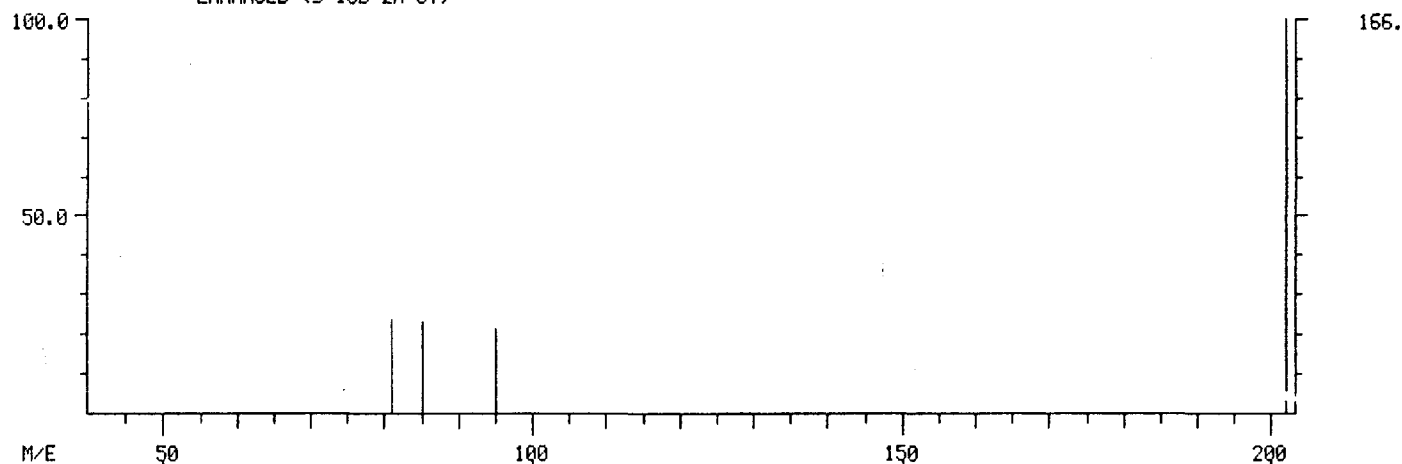
001918

1676.

DUAL MASS SPECTRUM
09/18/84 15:01:00 + 28:22
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1369 #1792
CALI: EPABN1369 #1

BASE M/E: 202/ 202
RIC: 277./ 767.

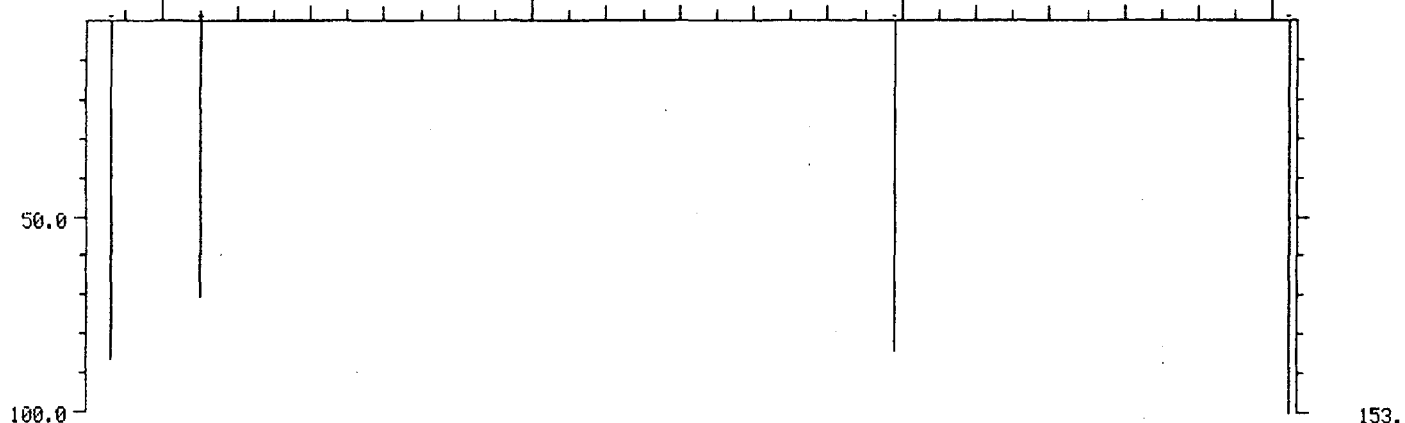
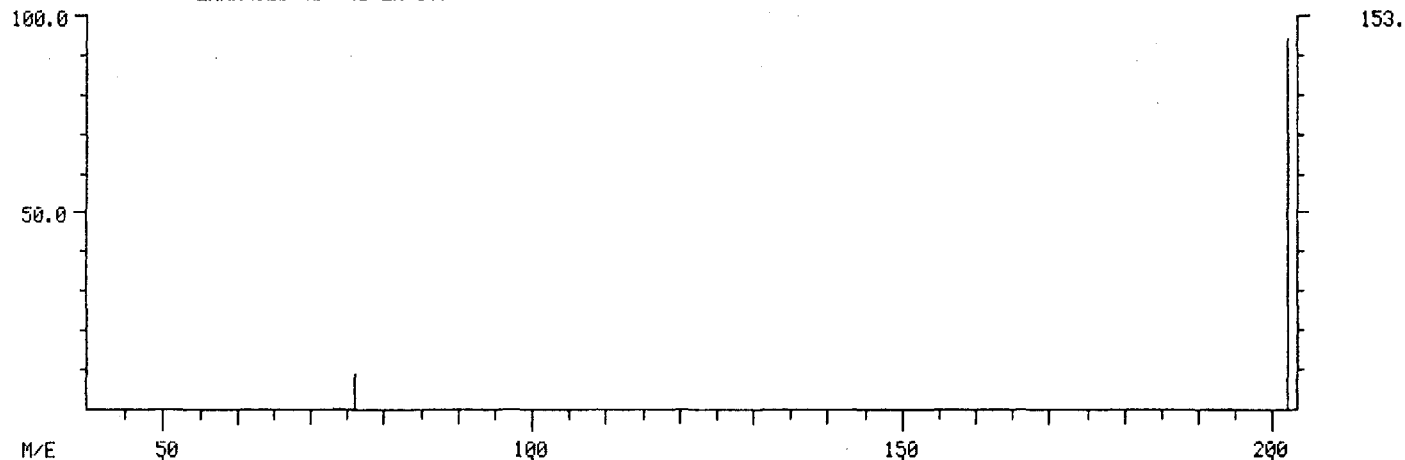


001919

DUAL MASS SPECTRUM
09/18/84 15:01:00 + 29:01
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 158 2H 0T)

DATA: EPA8N1369 #1833
CALI: EPA8N1369 #1

BASE M/E: 202/ 202
RIC: 157./ 521.

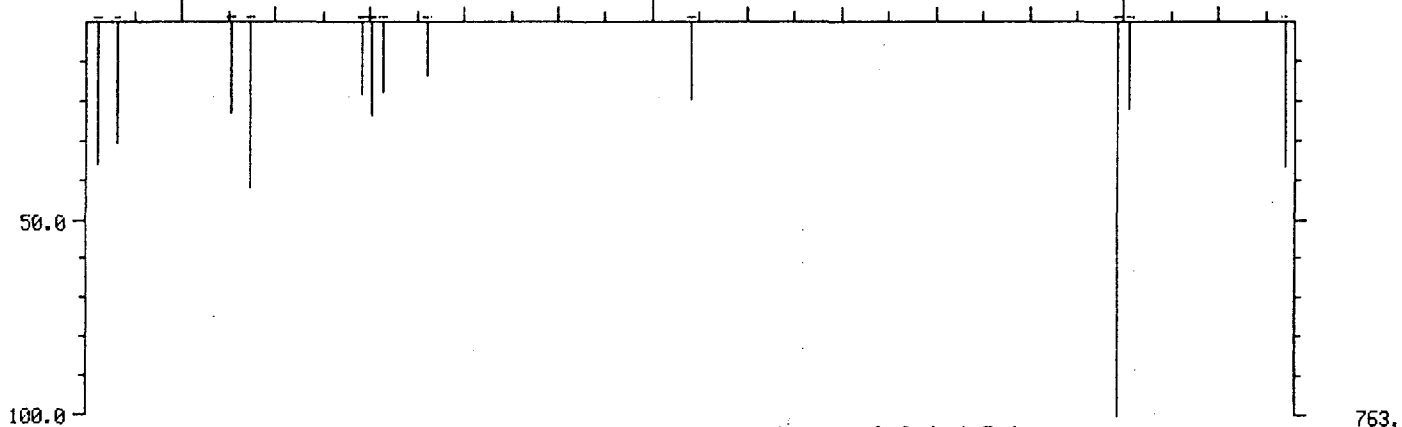
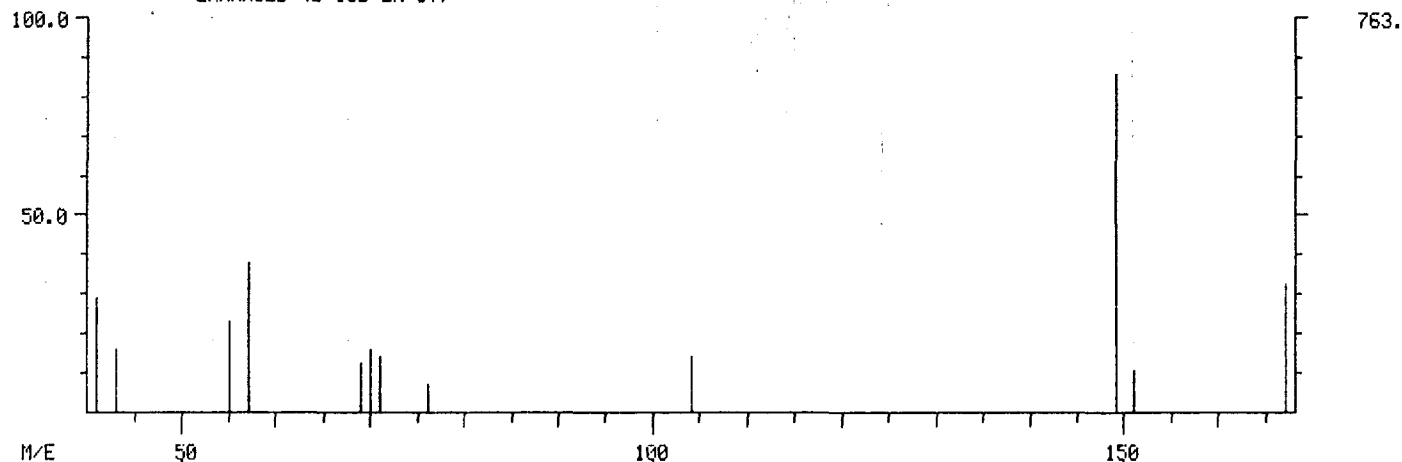


001720

DUAL MASS SPECTRUM
09/18/84 15:01:00 + 33:21
SAMPLE: 77113-13
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1369 #2106
CAL1: EPABN1369 #1

BASE M/E: 149/ 149
RIC: 2283./ 2931.



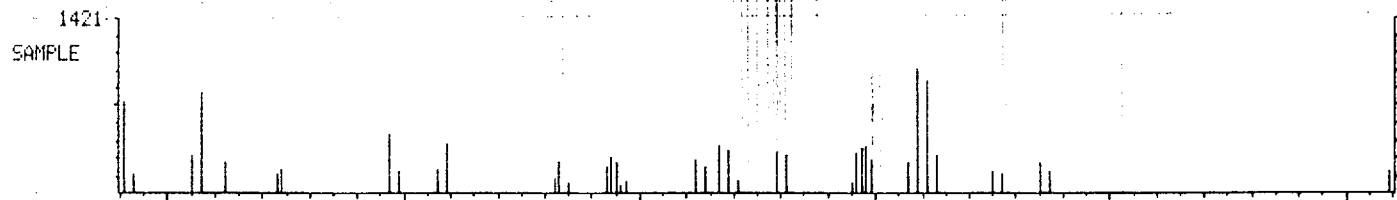
001921

001222

LIBRARY SEARCH
09/18/84 15:01:00 + 37:52
SAMPLE: 77113-13
COND5.:
ENHANCED (S 15B 2N 0T)

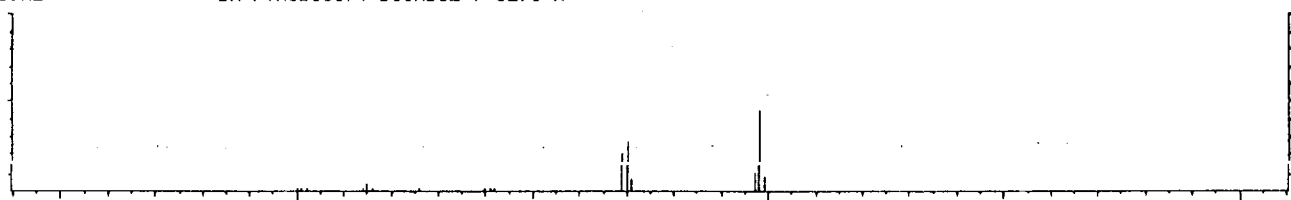
DATA: EPABN1369 #2392
CALI: EPABN1369 # 1

BASE M/E: 209
RIC: 7111.



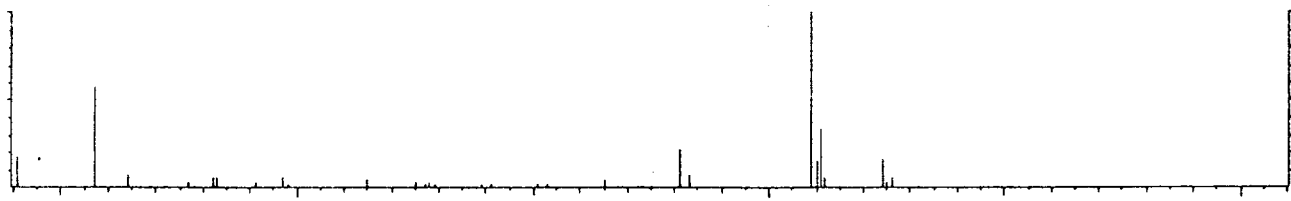
C12.H10.0.N2 9H-PYRIDO[3,4-B]INDOL-7-OL, 1-M

1421
M WT 198
B PK 198
RANK 1
IN 12569
FIT 555



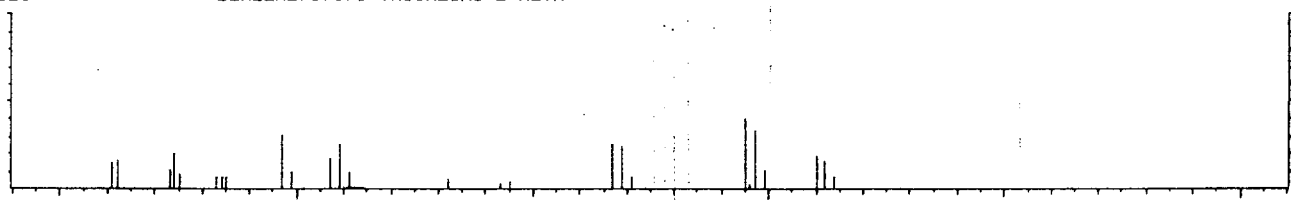
C14.H21.CL BENZENE, DI-TERT-BUTYLCHLORO-

1421
M WT 224
B PK 209
RANK 2
IN 15552
FIT 645



C7.H5.0.CL3 BENZENE, 1,3,5-TRICHLORO-2-METH

1421
M WT 210
B PK 195
RANK 3
IN 14124
FIT 635



M/E 50 100 150 200 250 300

Sample Number

F4229

Organics Analysis Data Sheet

(Page 1)

Laboratory Name: U.S. Testing

Case No: 3089

Lab Sample ID No: 77113-14

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: _____

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH _____

Percent Moisture: 59

Percent Moisture (Decanted): _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	24 u
74-83-9	Bromomethane	24
75-01-4	Vinyl Chloride	24
75-00-3	Chloroethane	24
75-09-2	Methylene Chloride	46
67-64-1	Acetone	315
75-15-0	Carbon Disulfide	12 u
75-35-4	1, 1-Dichloroethene	12
75-34-3	1, 1-Dichloroethane	12
156-60-5	Trans-1, 2-Dichloroethene	12
67-66-3	Chloroform	12
107-06-2	1, 2-Dichloroethane	12
78-93-3	2-Butanone	242
71-55-6	1, 1, 1-Trichloroethane	242
56-23-5	Carbon Tetrachloride	12 u
108-05-4	Vinyl Acetate	24
75-27-4	Bromodichloromethane	12

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	12 u
78-87-5	1, 2-Dichloropropane	12
10061-02-6	Trans-1, 3-Dichloropropene	12
79-01-6	Trichloroethene	12
124-48-1	Dibromochloromethane	12
79-00-5	1, 1, 2-Trichloroethane	12
71-43-2	Benzene	12
10061-01-5	cis-1, 3-Dichloropropene	12 u
110-75-8	2-Chloroethylvinylether	24
75-25-2	Bromoform	12
591-78-6	2-Hexanone	24
108-10-1	4-Methyl-2-Pentanone	544
127-18-4	Tetrachloroethene	12
108-88-3	Toluene	20
108-90-7	Chlorobenzene	12
100-41-4	Ethylbenzene	12
100-42-5	Styrene	12
	Total Xylenes	12

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U. Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds or when a concentration is estimated from a single measurement.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

001225

Sample Number

F4229

Organics Analysis Data Sheet

(Page 2)

Semivolatiles Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/18/84

Conc/Dil Factor: 5lg → 1ml; 10x dil

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	4700 U
108-95-2	Phenol	4700
62-53-3	Aniline	4700
111-44-4	bis(2-Chloroethyl)Ether	4700
95-57-8	2-Chlorophenol	4700
541-73-1	1, 3-Dichlorobenzene	4700
106-46-7	1, 4-Dichlorobenzene	4700
100-51-6	Benzyl Alcohol	4700
95-50-1	1, 2-Dichlorobenzene	4700
95-48-7	2-Methylphenol	4700
39638-32-9	bis(2-chloroisopropyl)Ether	4700
106-44-5	4-Methylphenol	4700
621-64-7	N-Nitroso-Di-n-Propylamine	4700
67-72-1	Hexachloroethane	4700
98-95-3	Nitrobenzene	4700
78-59-1	Isophorone	4700
88-75-5	2-Nitrophenol	4700
105-67-9	2, 4-Dimethylphenol	4700
65-85-0	Benzoic Acid	23500
111-91-1	bis(2-Chloroethoxy)Methane	4700
120-83-2	2, 4-Dichlorophenol	4700
120-82-1	1, 2, 4-Trichlorobenzene	4700
91-20-3	Naphthalene	4700
106-47-8	4-Chloroaniline	4700
87-68-3	Hexachlorobutadiene	4700
59-50-7	4-Chloro-3-Methylphenol	4700
91-57-6	2-Methylnaphthalene	4700
77-47-4	Hexachlorocyclopentadiene	4700
88-06-2	2, 4, 6-Trichlorophenol	4700
95-95-4	2, 4, 5-Trichlorophenol	23500
91-58-7	2-Chloronaphthalene	4700
88-74-4	2-Nitroaniline	23500
131-11-3	Dimethyl Phthalate	4700
208-96-8	Acenaphthylene	4700

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	4700 U
51-28-5	2, 4-Dinitrophenol	23500
100-02-7	4-Nitrophenol	23500
132-64-9	Dibenzofuran	4700
121-14-2	2, 4-Dinitrotoluene	4700
606-20-2	2, 6-Dinitrotoluene	4700
84-66-2	Diethylphthalate	4700
7005-72-3	4-Chlorophenyl-phenylether	4700
86-73-7	Fluorene	4700
100-01-6	4-Nitroaniline	23500
534-52-1	4, 6-Dinitro-2-Methylphenol	23500
86-30-6	N-Nitrosodiphenylamine (1)	4700
101-55-3	4-Bromophenyl-phenylether	4700
118-74-1	Hexachlorobenzene	4700
87-86-5	Pentachlorophenol	23500
85-01-8	Phenanthrene	4700
120-12-7	Anthracene	4700
84-74-2	Di-n-Butylphthalate	4700
206-44-0	Fluoranthene	4700
92-87-5	Benzidine	23500
129-00-0	Pyrene	4700
85-68-7	Butylbenzylphthalate	4700
91-94-1	3, 3'-Dichlorobenzidine	4700 ✓
56-55-3	Benzo(a)Anthracene	4700
117-81-7	bis(2-Ethylhexyl)Phthalate	2820 J
218-01-9	Chrysene	4700 U
117-84-0	Di-n-Octyl Phthalate	4700
205-99-2	Benzo(b)Fluoranthene	4700
207-08-9	Benzo(k)Fluoranthene	4700
50-32-8	Benzo(a)Pyrene	4700
193-39-5	Indeno(1, 2, 3-cd)Pyrene	4700
53-70-3	Dibenz(a, h)Anthracene	4700
191-24-2	Benzo(g, h, i)Perylene	4700 ✓

Sample Number

F4229

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	Unknown	VDA	763	60
2.	Unknown	↓	805	80
3.				
4.				
5.	Unknown	ABN	1716	35,000
6.	Unknown	↓	1852	11,400
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

00125

926400

RIC

08/19/84 4:08:00

SAMPLE: 77113-14

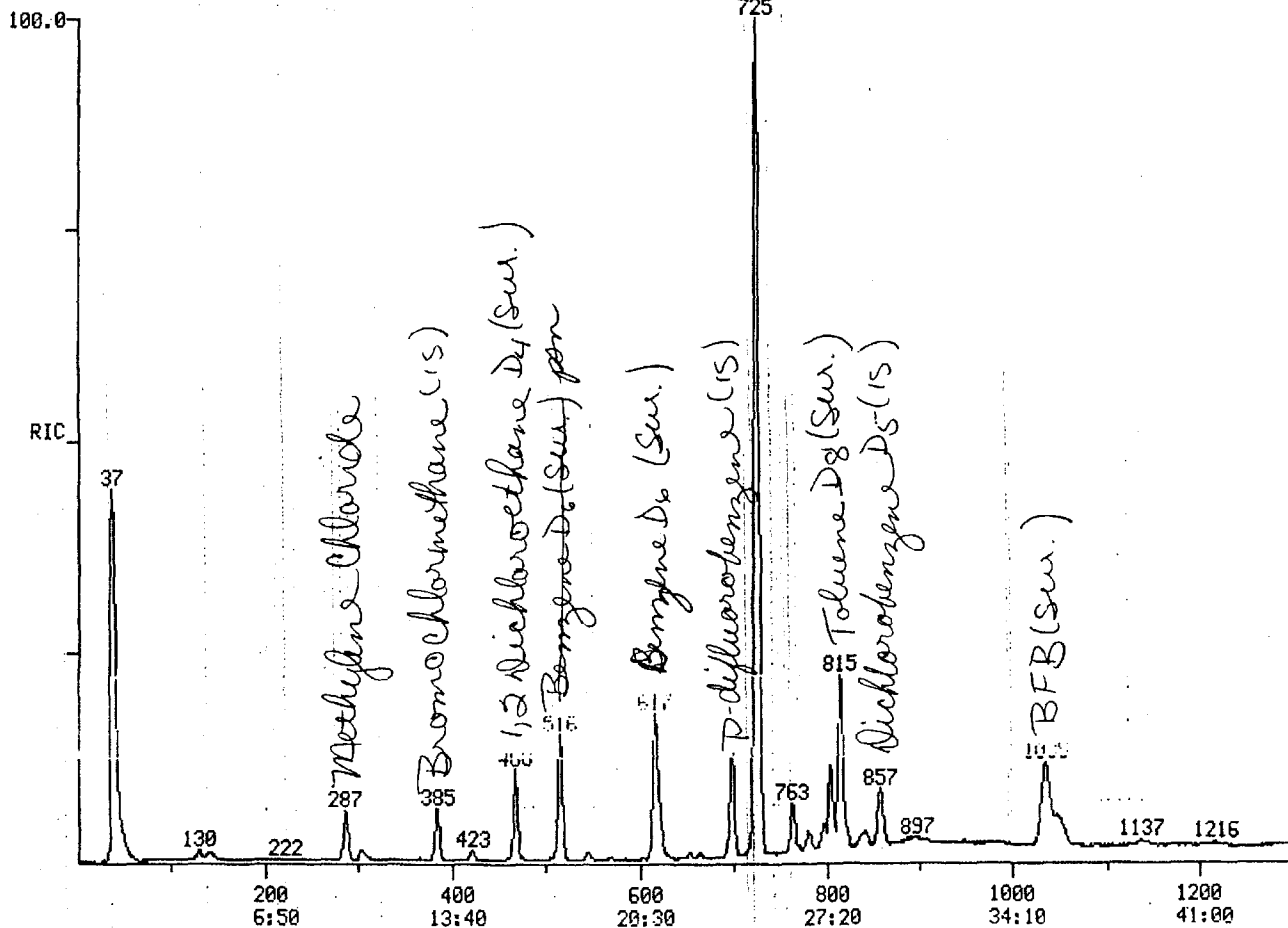
COND.:

DATA: EPA00A1720 #1

SCANS 1 TO 1300

CALI: EPA00A1720 #1

RANGE: G 1,1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



QUANTITATION REPORT FILE: EPAVOA1720

DATA: EPAVOA1720.TI

08/19/84 4:08:00

SAMPLE: 77115-1A

SUBMITTED BY EPA

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1,1-DICHLOROETHYLENE
12	1,1-DICHLOROETHANE
13	TRANS-1,2-DICHLOROETHYLENE
14	CHLOROFORM
15	1,1-DICHLOROETHANE
16	1,1,1-TRICHLOROETHANE
17	HSL ACETONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1,1-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLOROMETHANE
26	1,1,1-TRICHLOROETHANE
27	CIS-1,2-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL ISOBUTYL KETONE
33	1,1-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1,1,1,1-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

001327

NO NAME
 47 M-BROMOBENZOTRIFLUORIDE (SURROGATE)
 48 D-5 ETHYLBENZENE (SURROGATE)
 49 TOLUENE-D8 (SURROGATE)
 50 P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	335	13:09	1	1.000	A BB	35492.	50.000 UG/L	1.52
2	114	600	23:53	2	1.000	A BB	162387.	50.000 UG/L	1.52
3	117	857	25:17	3	1.000	A BB	83833.	50.000 UG/L	1.52
4	50	25	2:50	1	0.216	A BB	2291.	3.802 UG/L	0.12
5	94	145	4:53	1	0.371	A BB	8285.	11.176 UG/L	0.34
6	NOT FOUND								
7	NOT FOUND								
8	84	287	5:48	1	0.745	A BB	45154.	35.800 UG/L	1.09
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	97	512	17:38	1	1.340	A BB	167183.	100.766 UG/L	3.07
17	58	304	18:23	1	0.790	A BB	9474.	131.106 UG/L	4.00
18	NOT FOUND								

001023

pen

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	78	65	21:13	2	0.888	A BB	87840.	26.756 UG/L	0.82
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	72	45	15:57	2	0.668	A BB	10984.	121.575 UG/L	3.71
31	NOT	FOUND							
32	43	72	14:46	2	1.037	A BB	1459700.	2269.420 UG/L	69.18
33	65	45	15:59	2	0.670	A BB	139045.	89.835 UG/L	2.74
34	84	61	21:05	2	0.883	A BB	285592.	91.276 UG/L	2.78
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	166	72	14:39	3	0.910	A BB	7364.	5.602 UG/L	0.17
39	NOT	FOUND							
40	91	82	25:03	3	0.958	A BB	23334.	8.195 UG/L	0.25
41	NOT	FOUND							
42	NOT	FOUND							
43	43	72	14:14	2	0.896	A BV	10832.	21.632 UG/L	0.66
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	82	17:51	3	0.951	A BB	278347.	117.231 UG/L	3.57
50	95	102	25:22	3	1.208	A BB	157623.	96.594 UG/L	2.94

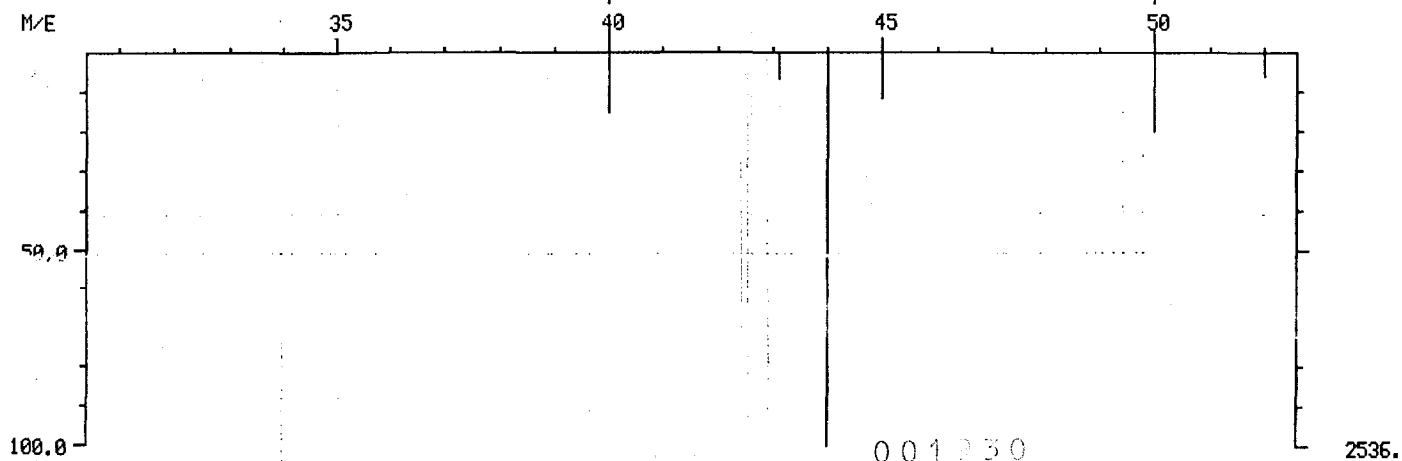
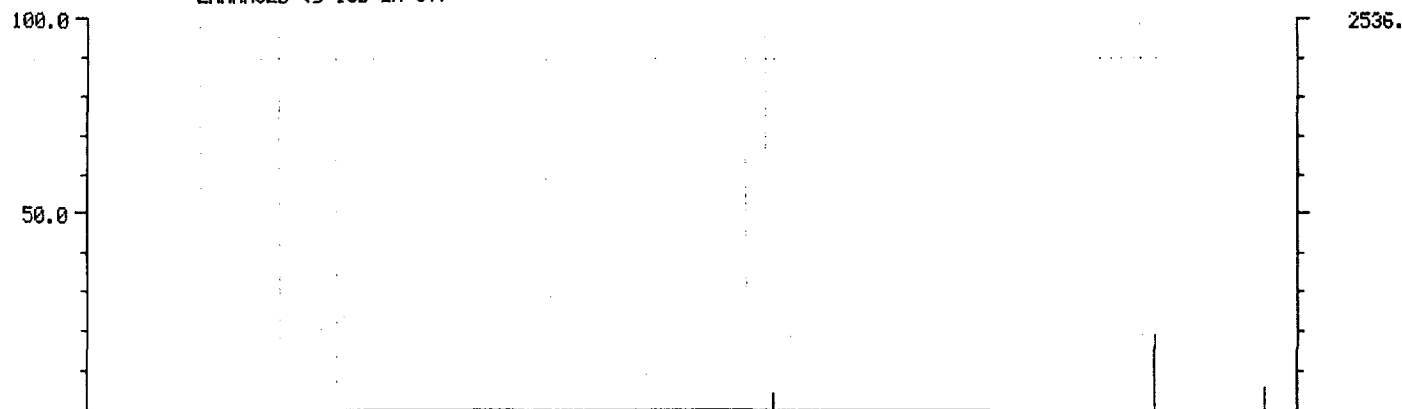
00132

pr

DUAL MASS SPECTRUM
08/19/84 4:08:00 + 2:50
SAMPLE: 77113-14
COND5.:
ENHANCED (S 15B 2N 0T)

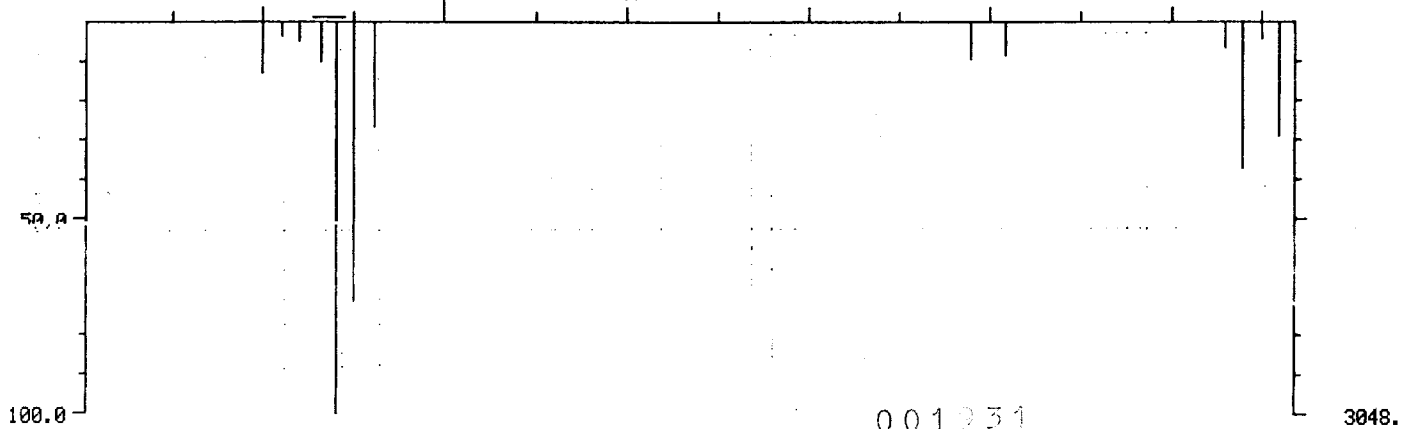
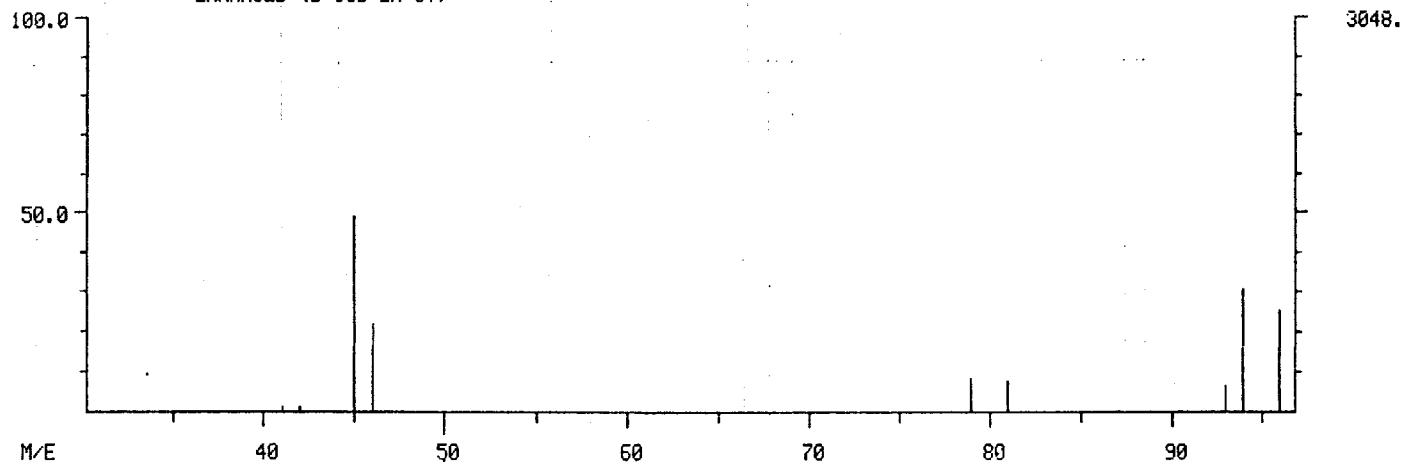
DATA: EPAU0A1720 #83
CALI: EPAU0A1720 #1

BASE M/E: 50/ 44
RIC: 737./ 4047.



DUAL MASS SPECTRUM
08/19/84 4:09:00 + 4:53
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

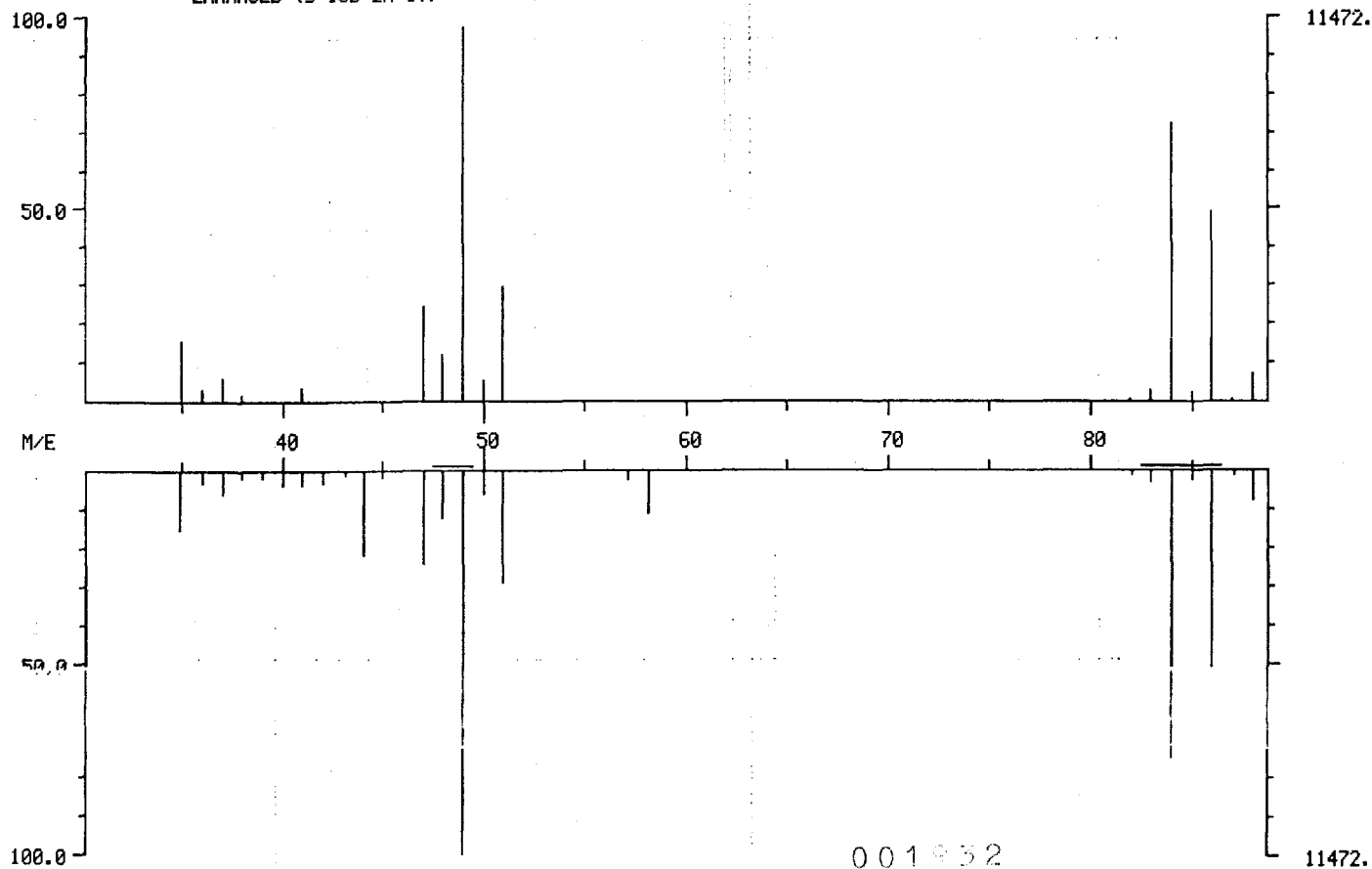
DATA: EPA00A1720 #143 BASE M/E: 45/ 44
CALI: EPA00A1720 #1 RIC: 4647./ 9919.



001231

DUAL MASS SPECTRUM
08/19/84 4:08:00 + 9:48
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

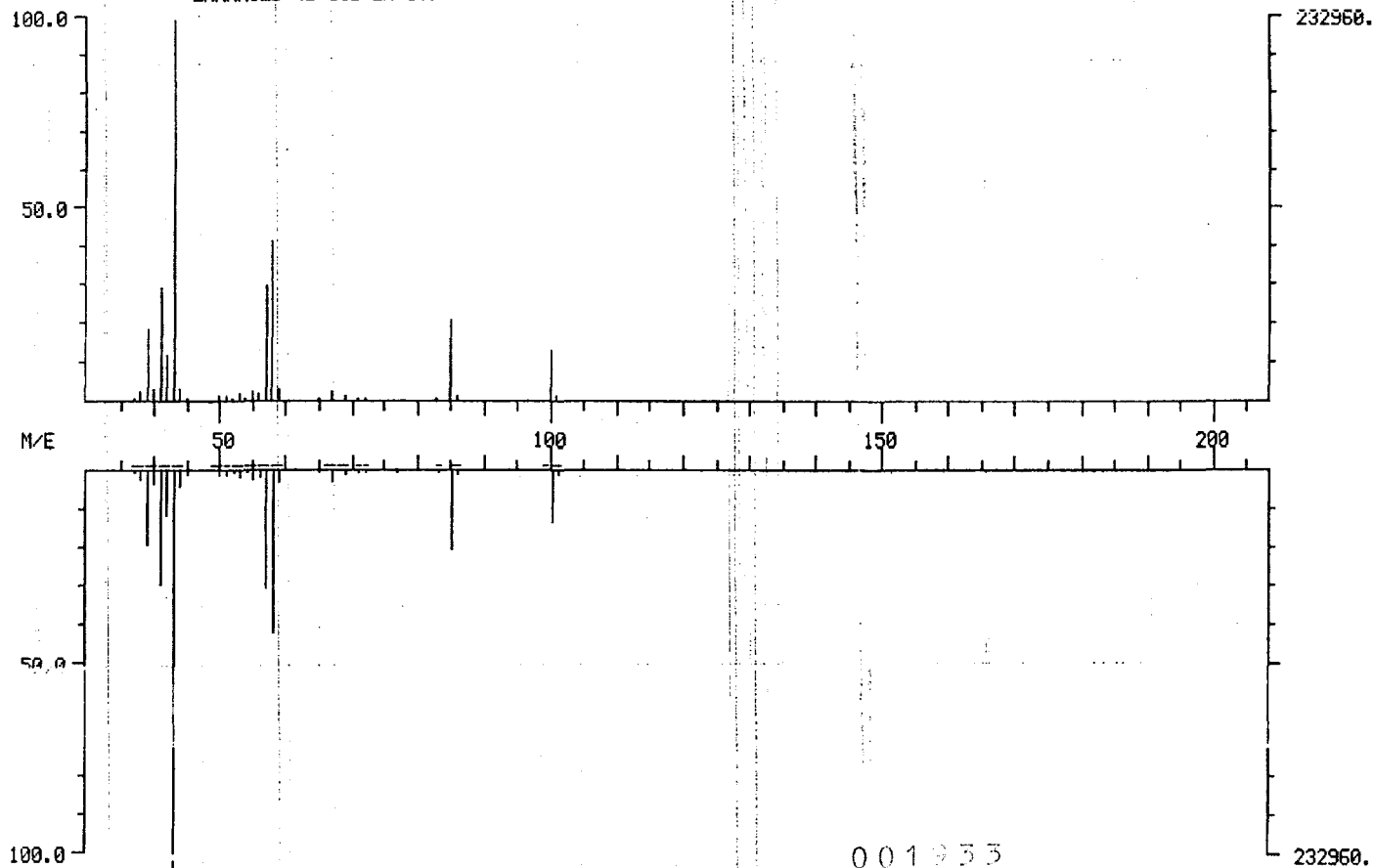
DATA: EPAU0A1720 #287 BASE M/E: 49/ 49
CALI: EPAU0A1720 #1 RIC: 38271./ 44479.



DUAL MASS SPECTRUM
08/19/84 4:08:00 + 24:46
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

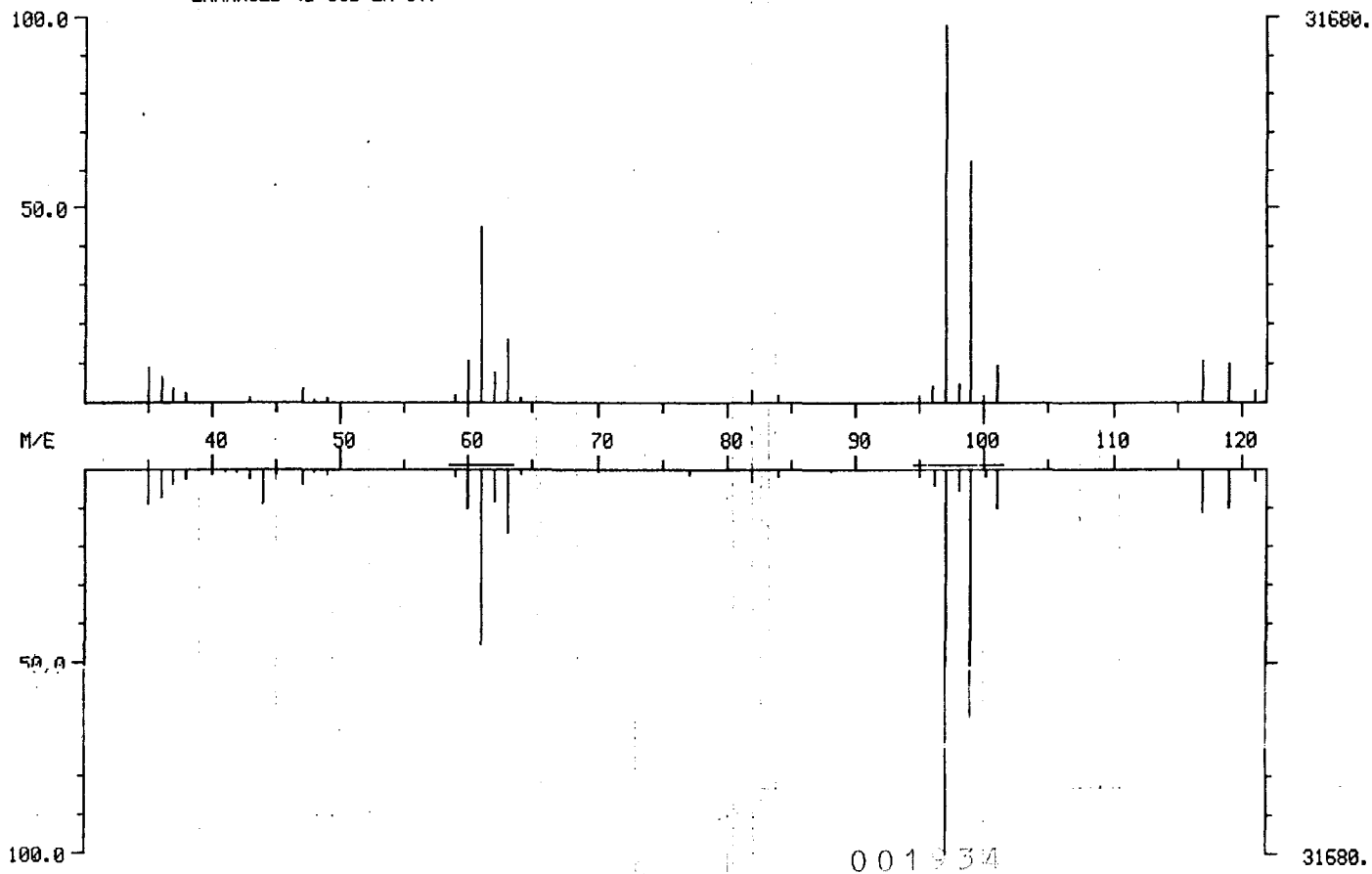
DATA: EPAVQA1720 #725
CALI: EPAVQA1720 #1

BASE M/E: 43/ 43
RIC: 686079./ 705559.



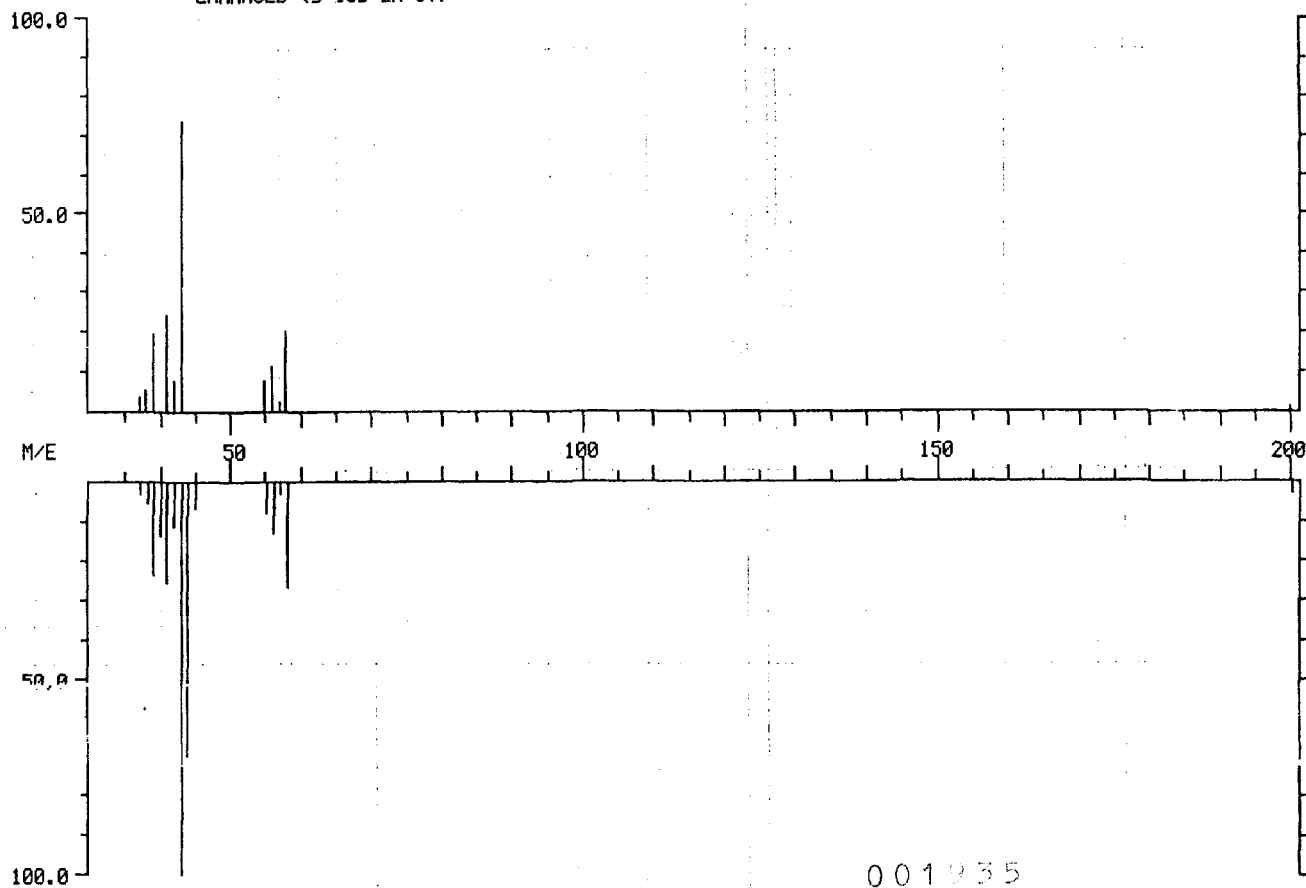
DUAL MASS SPECTRUM
08/19/84 4:09:00 + 17:38
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2H 0T)

DATA: EPAU0A1720 #516 BASE M/E: 97/ 97
CALI: EPAU0A1720 #1 RIC: 101897./ 100799.



DUAL MASS SPECTRUM
08/19/84 4:08:00 + 10:23
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1720 #304 BASE M/E: 43/ 43
CALI: EPA00A1720 #1 RIC: 6559./ 11583.



3708.

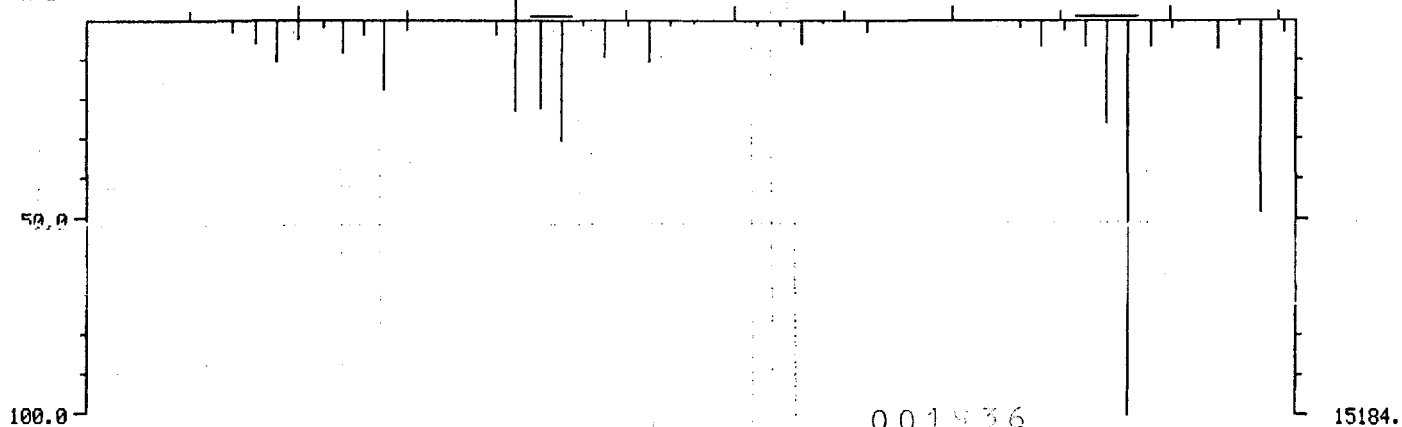
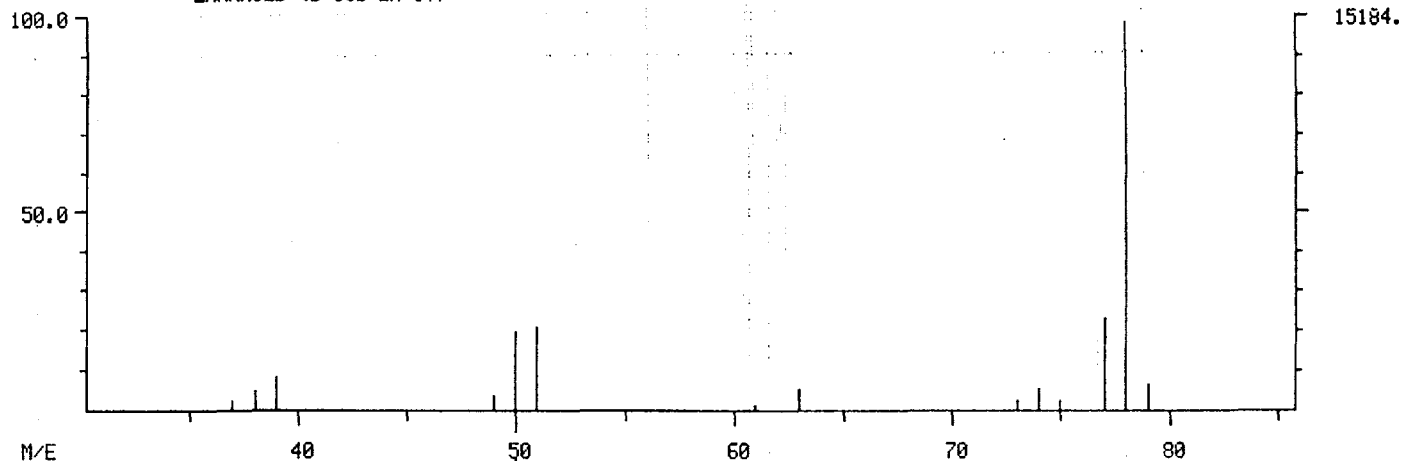
001935

3708.

DUAL MASS SPECTRUM
09/19/84 4:09:00 + 21:13
SAMPLE: 77113-14
COND.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1720 #621
CALI: EPA00A1720 #1

BASE M/E: 78/ 78
RIC: 30947./ 58623.

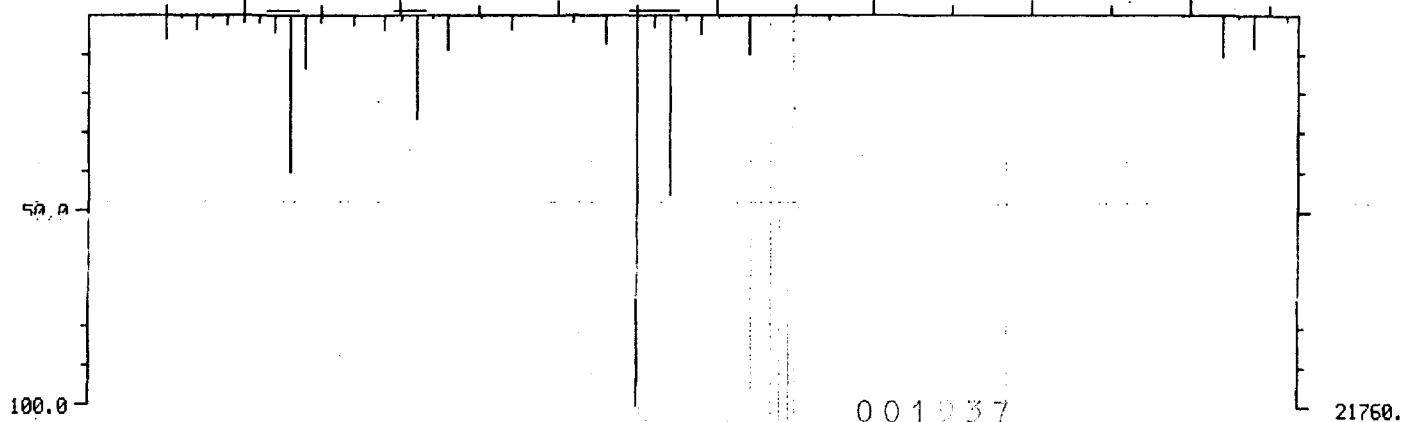
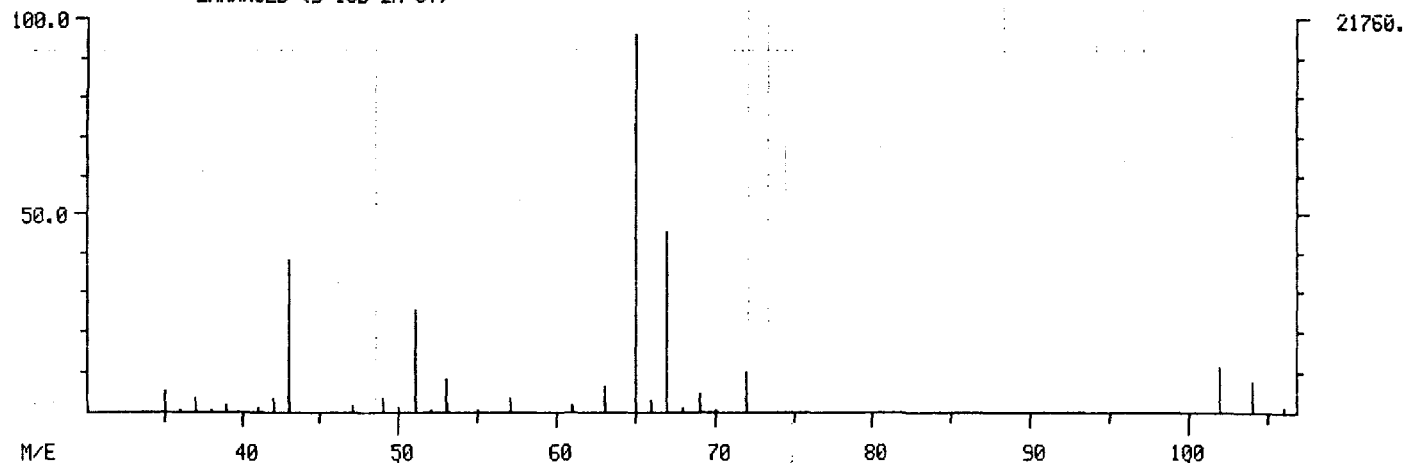


001836

DUAL MASS SPECTRUM
08/19/84 4:08:00 + 15:57
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1720 #467
CALI: EPAU0A1720 #1

BASE M/E: 65/ 65
RIC: 62911./ 69887.

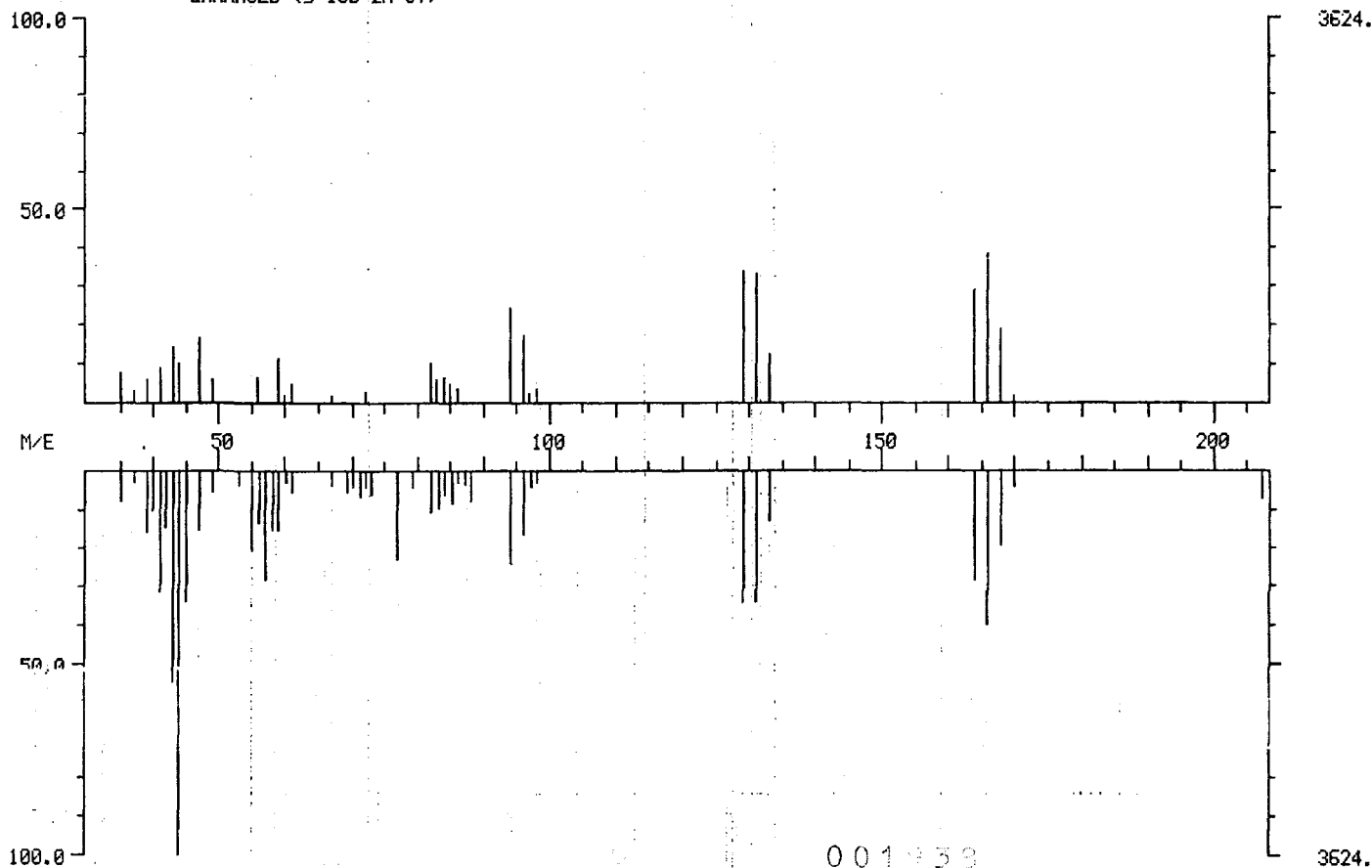


001937

DUAL MASS SPECTRUM
08/19/84 4:08:00 + 26:39
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1720 #780
CALI: EPAU0A1720 #1

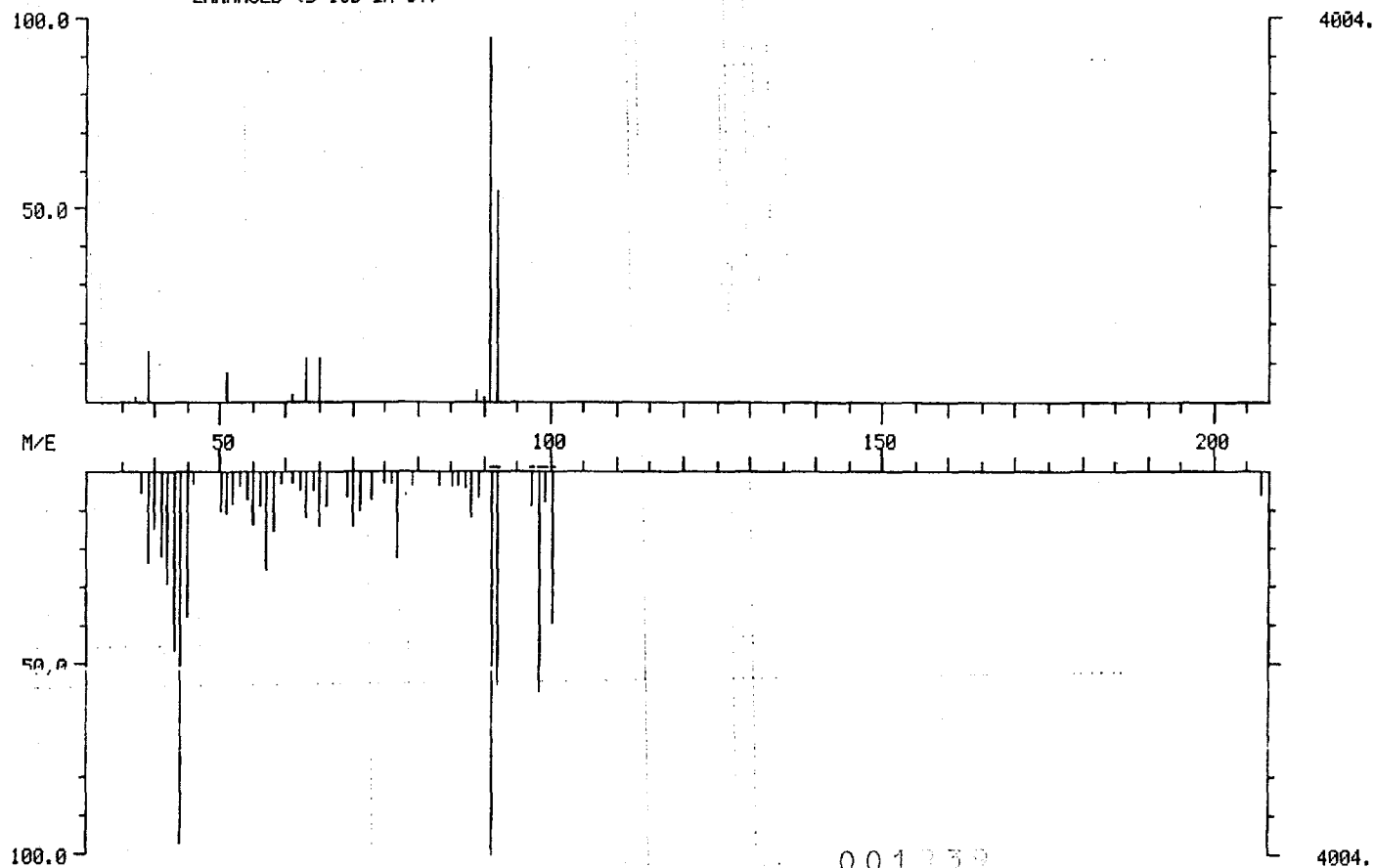
BASE M/E: 166/ 44
RIC: 12587./ 25527.



DUAL MASS SPECTRUM
08/19/84 4:08:00 + 29:03
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1720 #821
CALI: EPA00A1720 #1

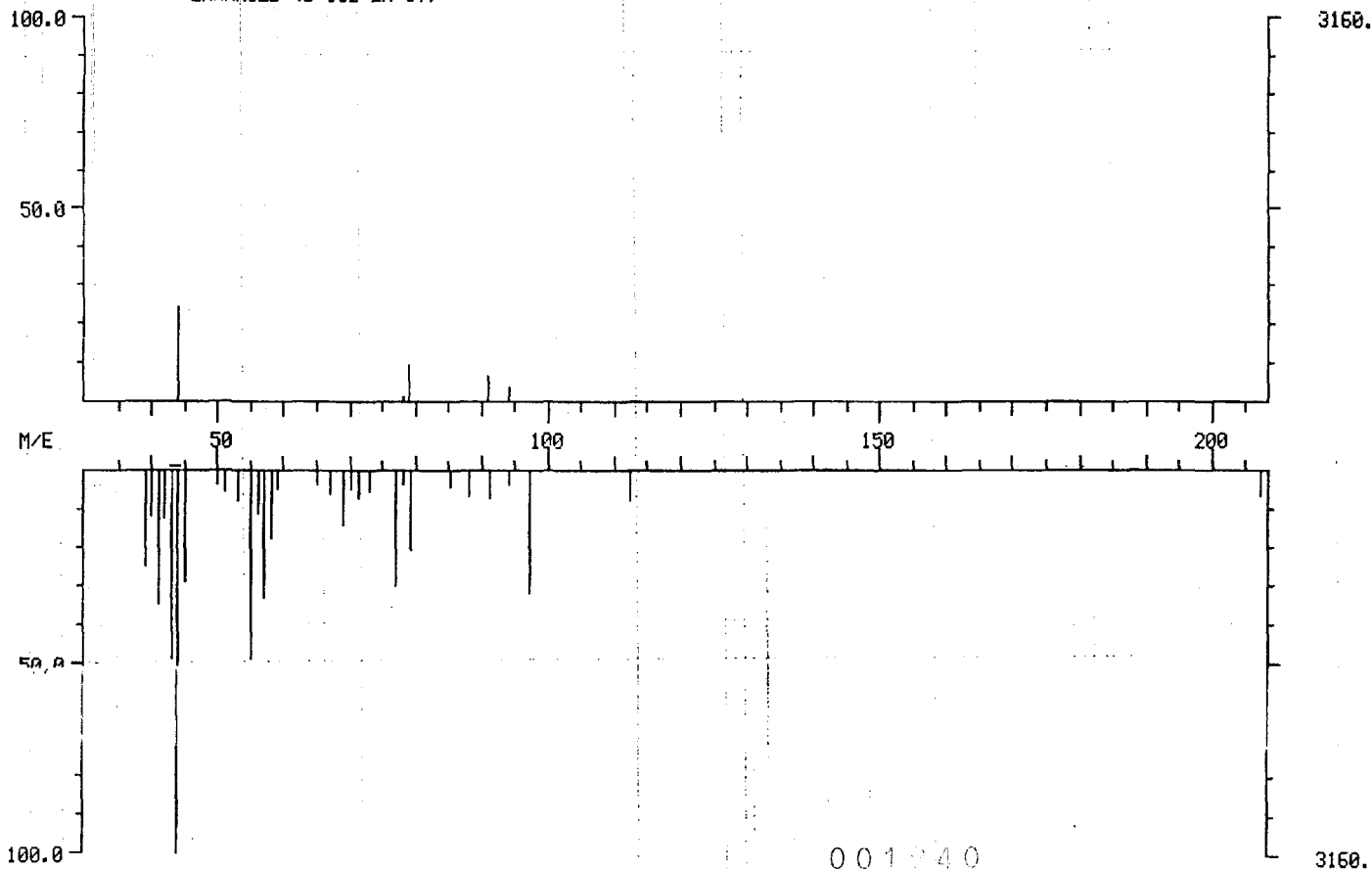
BASE M/E: 91/ 91
RIC: 8007./ 32543.



DUAL MASS SPECTRUM
08/19/84 4:08:00 + 25:14
SAMPLE: 77113-14
COND.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1720 #768
CALI: EPA00A1720 #1

BASE M/E: 44/ 44
RIC: 1425./ 17599.



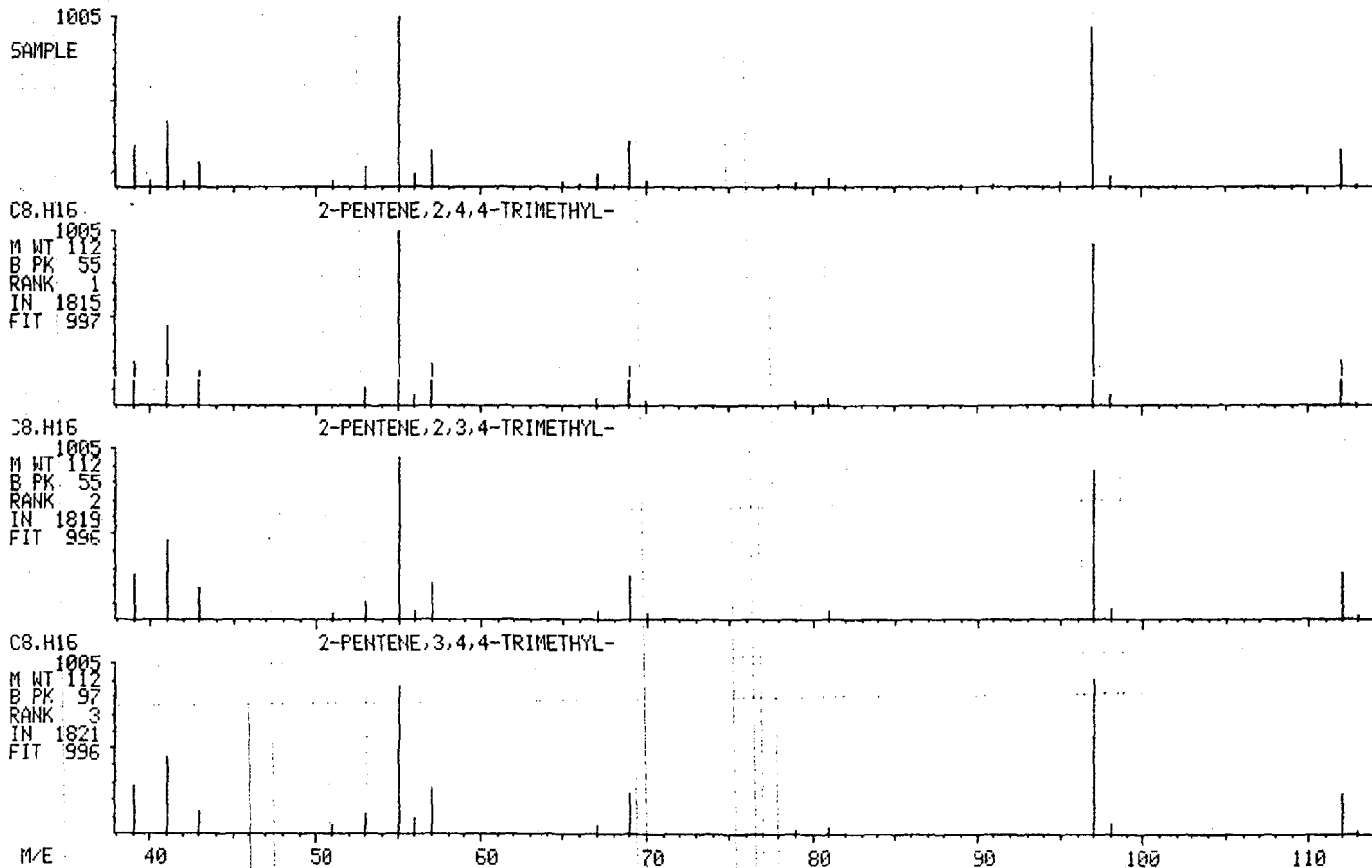
001940

170100

LIBRARY SEARCH
08/19/84 4:08:00 + 26:04
SAMPLE: 77113-14
CONDOS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1720 # 763
CALI: EPA00A1720 # 1

BASE M/E: 55
RIC: 36991.

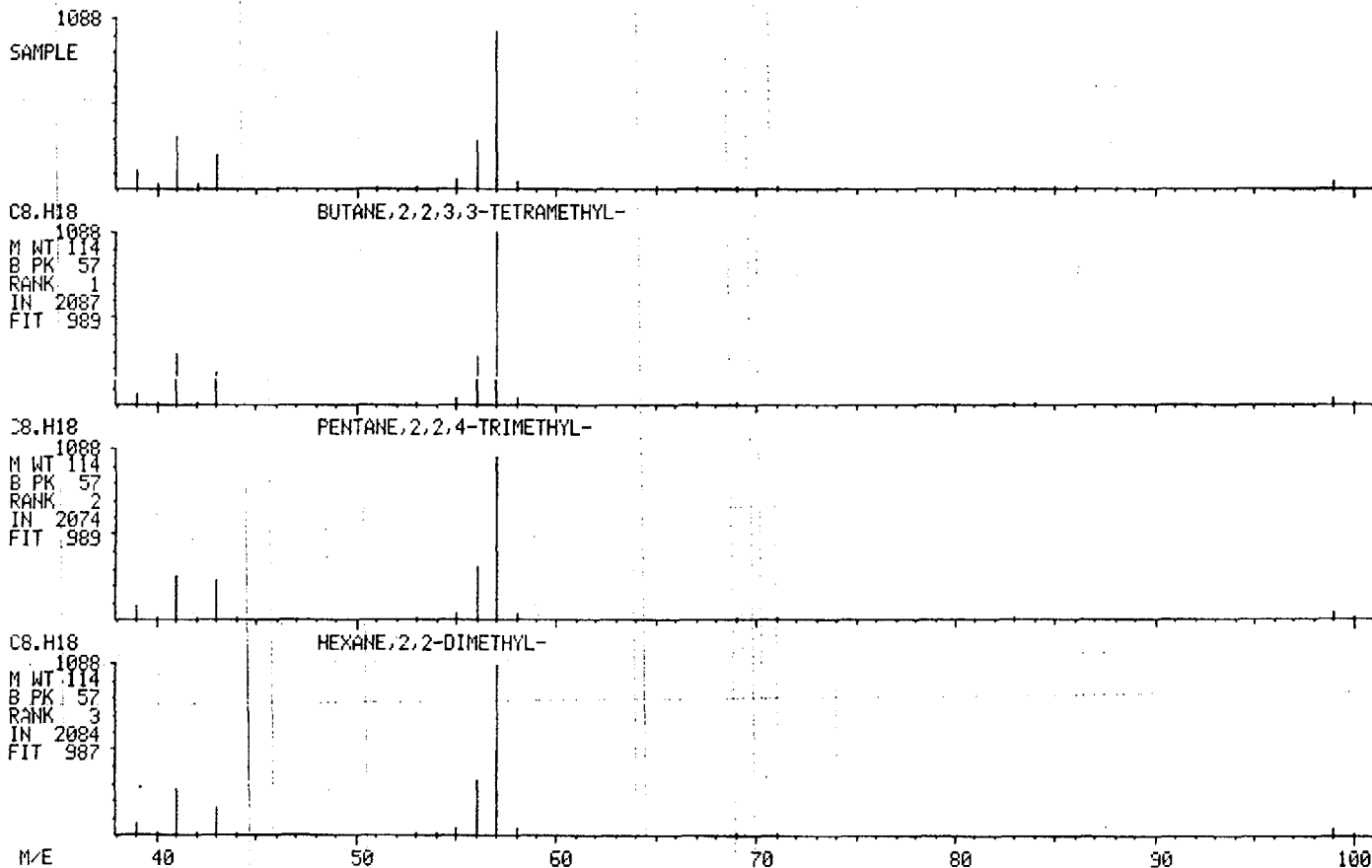


276100

LIBRARY SEARCH
08/19/84 4:08:00 + 27:30
SAMPLE: 77113-14
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1720 # 805
CALI: EPAU0A1720 # 1

BASE M/E: 57
RIC: 58175.



Σ 76100

RIC

09/18/84 15:51:00

SAMPLE: 77113-14 ABN 1/10

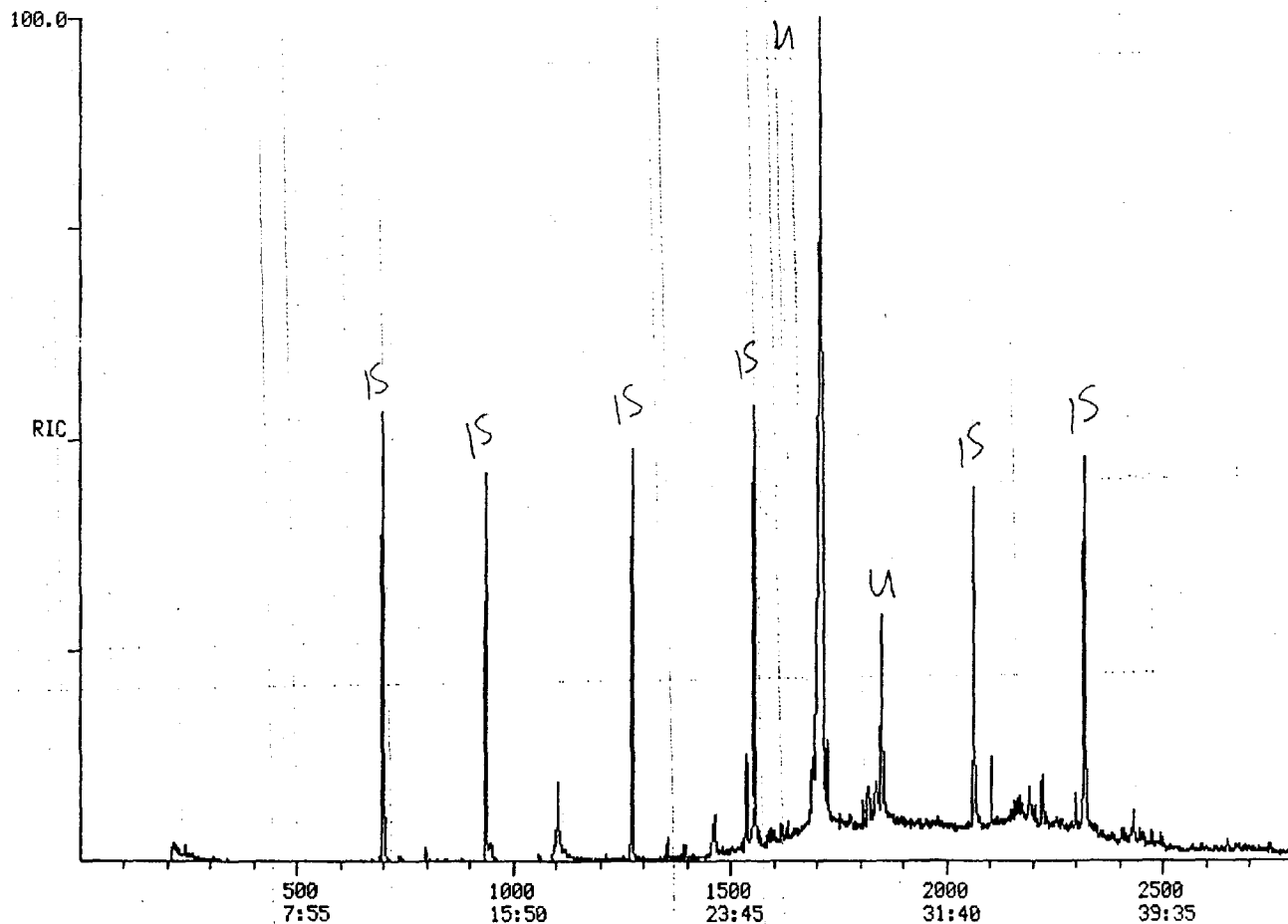
COND.S:

RANGE: G 1,2800 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

DATA: EPABN1370 #1

CALI: EPABN1370 #1

SCANS 1 TO 2800



172288.

QUANTITATION REPORT FILE: EPABN1370

DATA: EPABN1370.TI

09/18/84 15:51:00

SAMPLE: 77113-14 ABN 1/10

SUBMITTED BY: ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO NAME

1	*	D-4 1,4-DICHLOROBENZENE
2	*	D-8 NAPHTHALENE
3	*	D-8 ACENAPHTHENE
4	*	D-10 PHENANTHRENE
5	*	D-12 CHRYSENF
6	*	D-12 PERYLENF
7		2-FLUOROPHENOL (SURROGATE)
8		D-5 PHENOL (SURROGATE)
9		D-5 NITROBENZENE (SURROGATE)
10		2-FLUOROBIPHENYL (SURROGATE)
11		2,4,6-TRIBROMOPHENOL (SURROGATE)
12		D-14 TERPHENYL (SURROGATE)
13		N-NITROSODIMETHYLAMINE
14		2-CHLOROPHENOL
15		PHENOL
16		BIS (2-CHLOROETHYL) ETHER
17		1,3-DICHLOROBENZENE
18		1,4-DICHLOROBENZENE
19		1,2-DICHLOROBENZENE
20	HSL	ANILINE
21	HSL	BENZYL ALCOHOL
22		BIS(2-CHLOROISOPROPYL)ETHER
23		HEXACHLOROETHANE
24		N-NITROSODIPROPYLAMINE
25		NITROBENZENE
26		ISOPHORONE
27		2-NITROPHENOL
28		2,4-DIMETHYLPHENOL
29		BIS(2-CHLOROETHOXY)METHANE
30		2,4-DICHLOROPHENOL
31		1,2,4-TRICHLOROBENZENE
32		NAPHTHALENE
33		HEXACHLOROBUTADIENE
34		P-CHLORO-M-CRESOL
35		HEXACHLOROCYCLOPENTADIENE
36		2,4,6-TRICHLOROPHENOL
37	HSL	2-METHYLPHENOL
38	HSL	4-METHYLPHENOL
39	HSL	BENZOIC ACID
40	HSL	4-CHLORODANILINE
41	HSL	2-METHYLNAPHTHALENE
42		2-CHLORONAPHTHALENE
43		DIMETHYL PHTHALATE
44		ACENAPHTHYLENE
45		2,6-DINITROTOLUENE
46		ACENAPHTHENE

001034

NO	NAME
47	2,4-DINITROPHENOL
48	4 NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLOROBENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

001845

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HOHT)	AMOUNT	%TOT
1	152	699	11:04	1	1.000	A BV	31080.	40.000 UG/ML	16.02
2	136	939	14:52	2	1.000	A BV	75560.	40.000 UG/ML	16.02
3	164	1277	20:13	3	1.000	A BB	47012.	40.000 UG/ML	16.02
4	188	1557	24:39	4	1.000	A BV	75911.	40.000 UG/ML	16.02
5	240	2066	32:43	5	1.000	A BB	59517.	40.000 UG/ML	16.02
6	264	2322	36:46	6	1.000	A BB	117837.	40.000 UG/ML	16.02
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	146	701	11:06	1	1.003	A BB	232.	0.237 UG/ML	0.10
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	82	863	13:40	2	0.919	A BB	416.	0.327 UG/ML	0.13
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	122	959	15:11	2	1.021	A*BB	608.	1.270 UG/ML	0.51
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	149	1389	22:00	3	1.088	A BB	708.	0.075 UG/ML	0.03
53	NOT FOUND								
54	169	1416	22:25	4	0.909	A BB	264.	0.417 UG/ML	0.17
55	NOT FOUND								
56	NOT FOUND								

001066

1

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HIGHT)	AMOUNT	%TOT
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	149	1703	26:58	4	1.094	A BV	1700.	0.800 UG/ML	0.32
62	NOT	FOUND							
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	149	1987	31:28	5	0.962	A*BB	1077.	0.982 UG/ML	0.39
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	149	2105	33:20	5	1.019	A VB	9002.	5.878 UG/ML	2.35
75	149	2223	35:12	6	0.957	A VV	531.	0.075 UG/ML	0.03
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

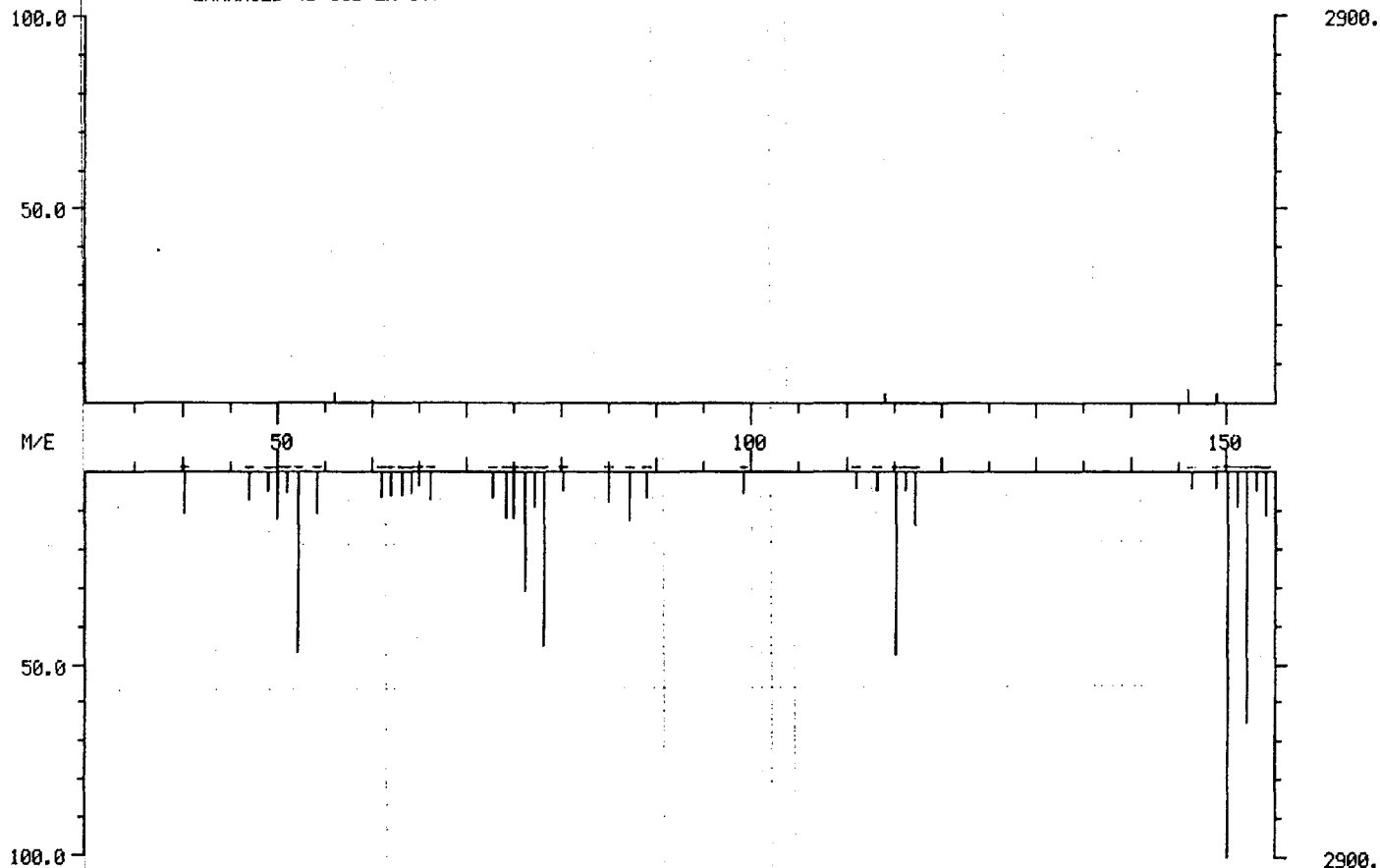
001347

jl

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 11:06
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #701
CALI: EPABN1370 #1

BASE M/E: 146/ 150
RIC: 327./ 16095.

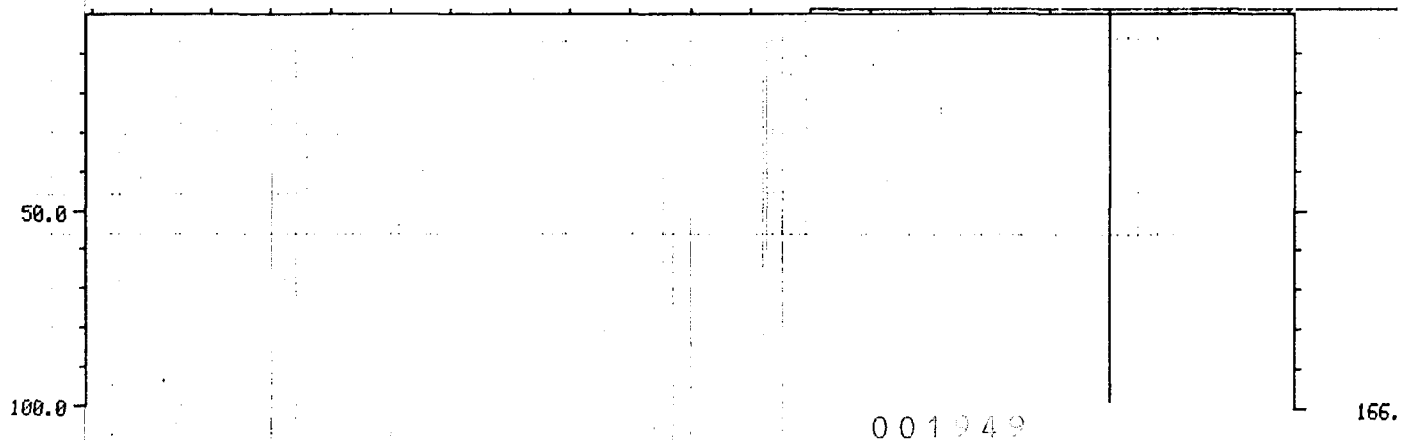
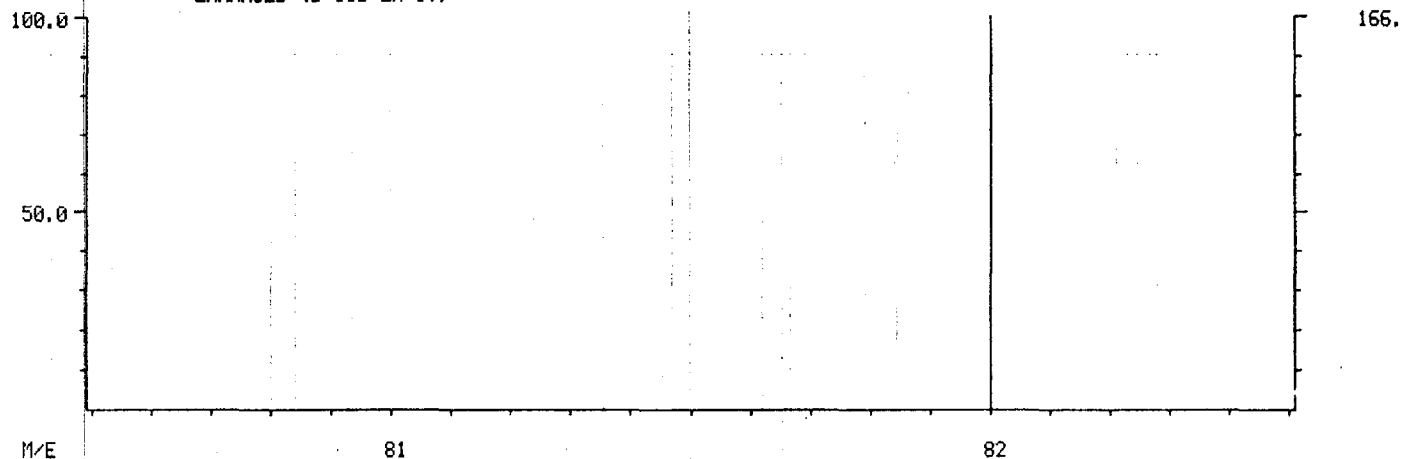


001948

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 13:40
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #063
CALI: EPABN1370 #1

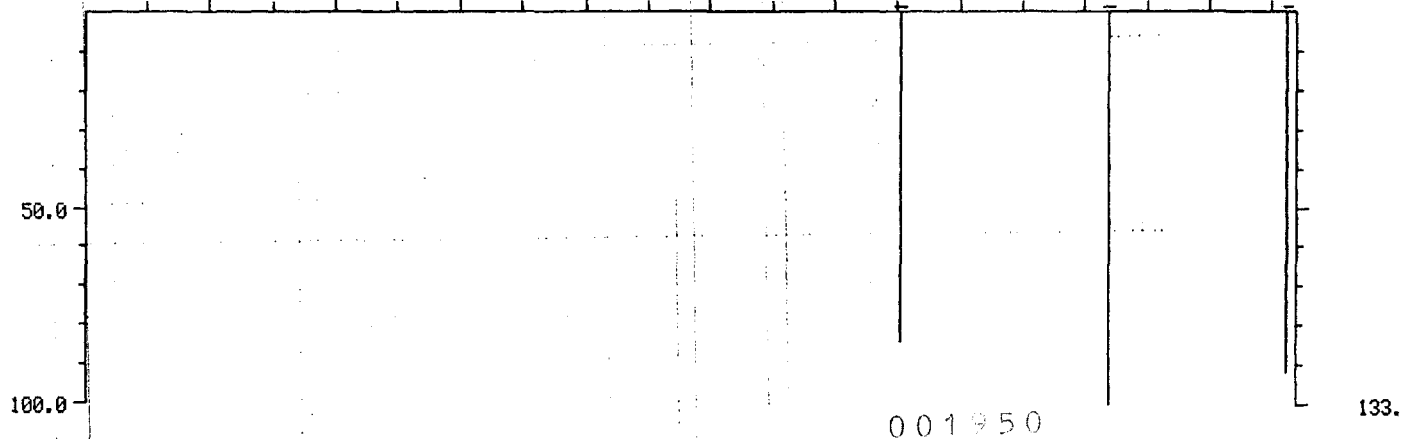
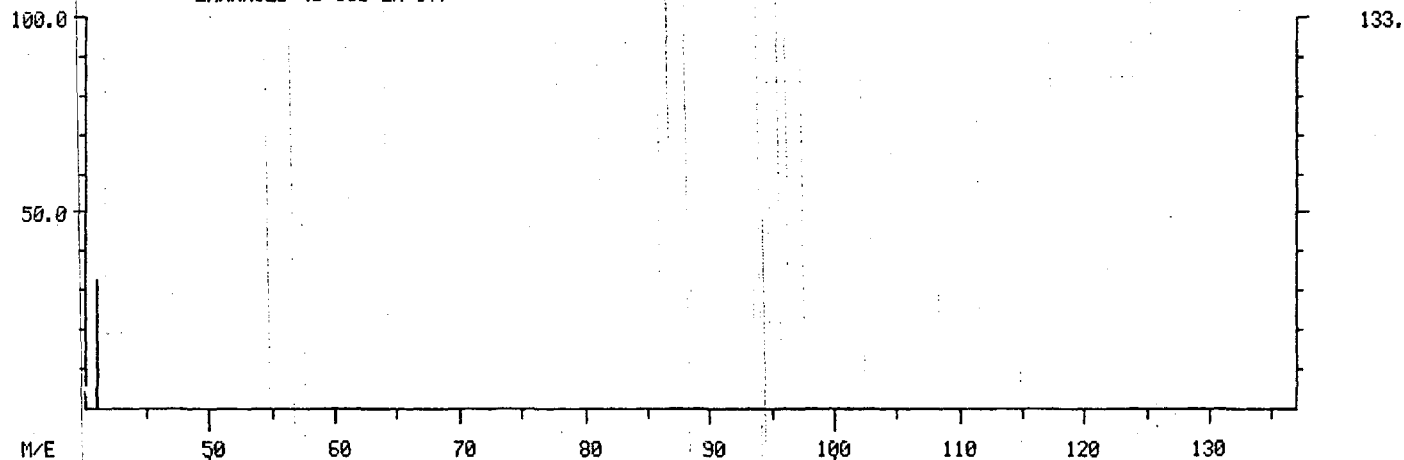
BASE M/E: 82/ 82
RIC: 165./ 162.



DUAL MASS SPECTRUM
09/10/84 15:51:00 + 15:11
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #959
CALI: EPABN1370 #1

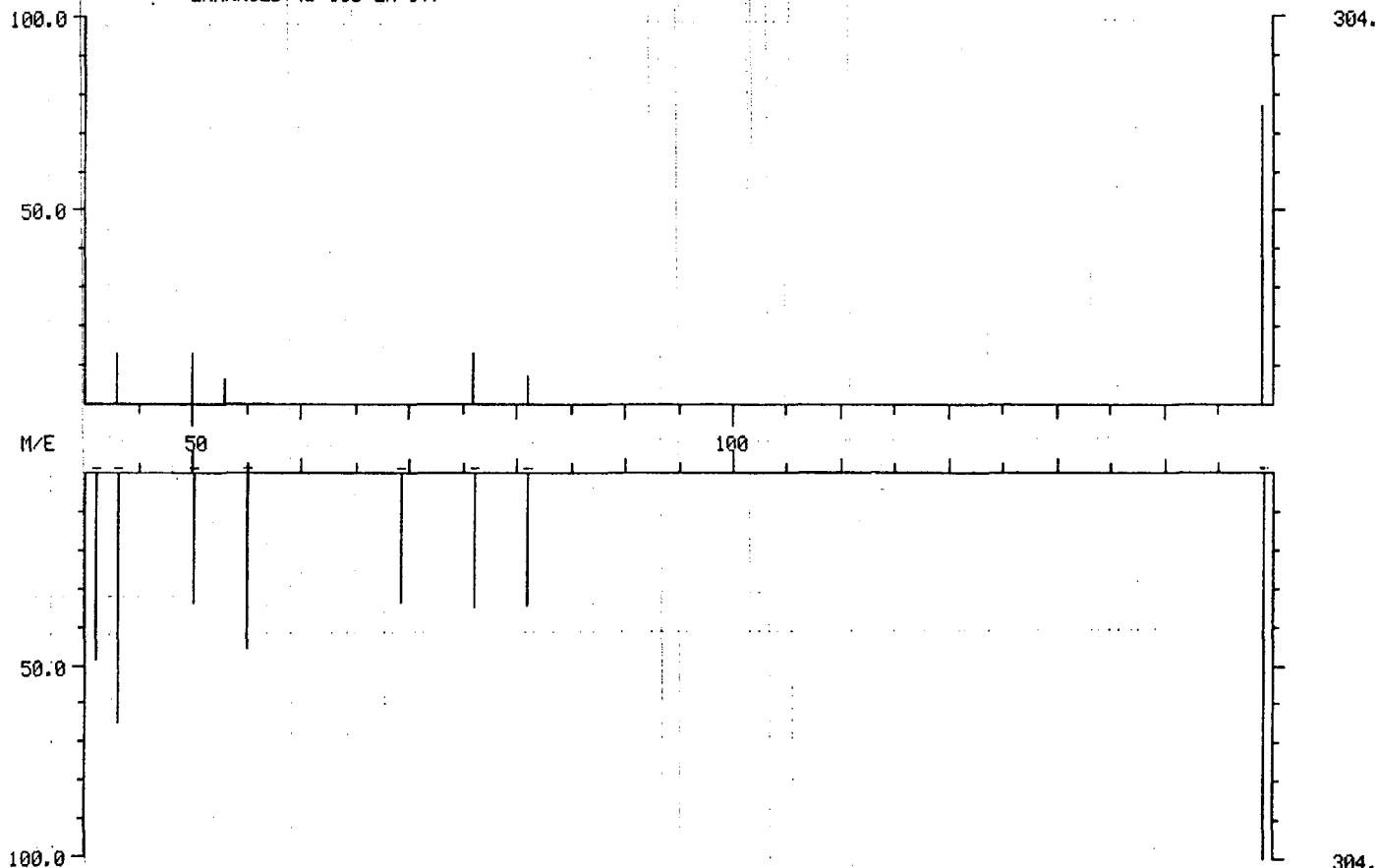
BASE M/E: 41/ 122
RIC: 42./ 366.



001950

DUAL MASS SPECTRUM
09/18/84:15:51:00 + 22:00
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 158 2N 0T)

DATA: EPABN1370 #1389 BASE M/E: 149/ 149
CALI: EPABN1370 #1 RIC: 395./ 1205.



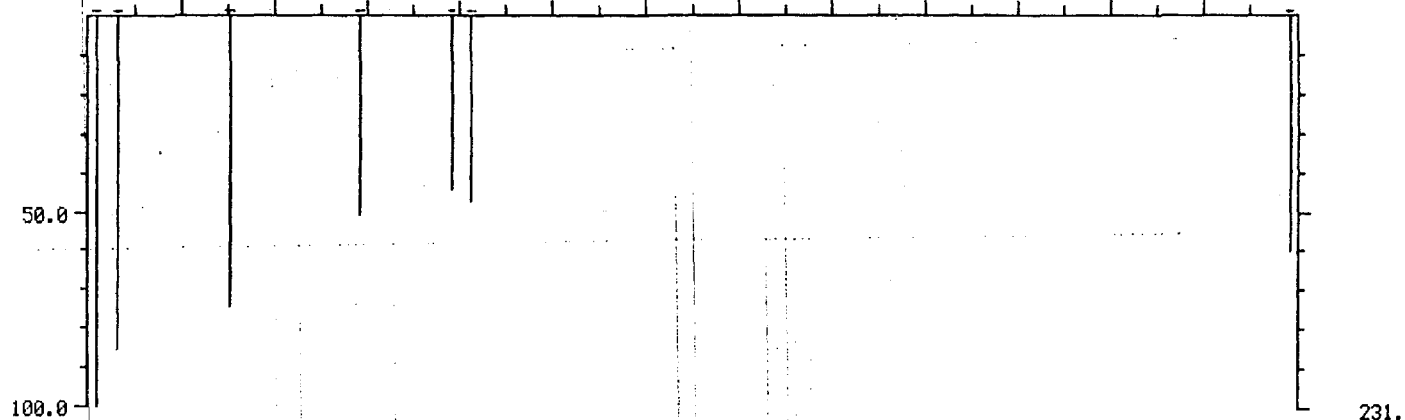
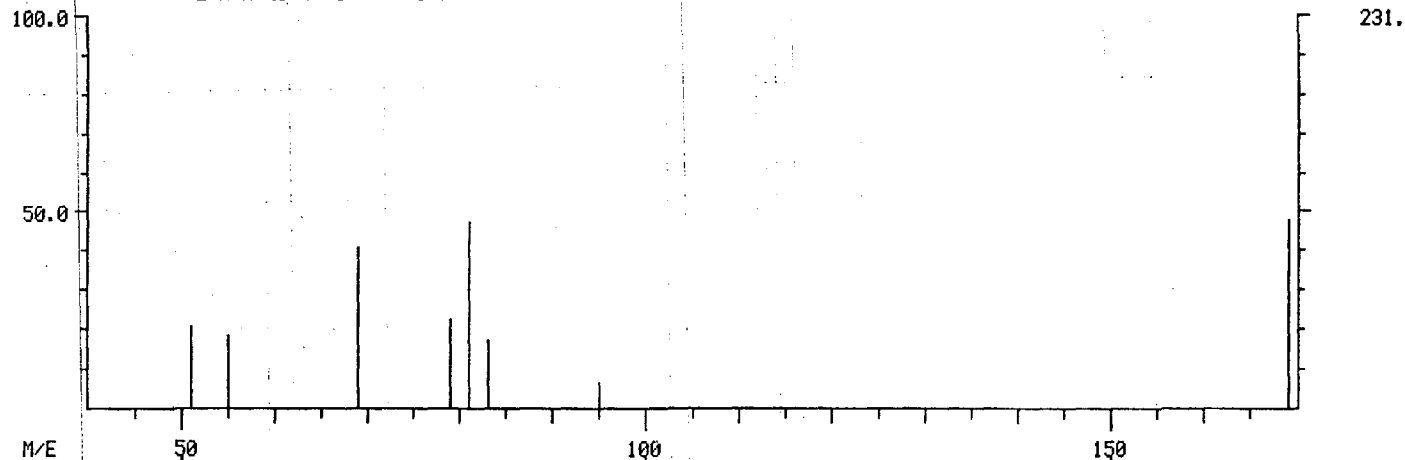
001951

304.

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 22:25
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #1416
CALI: EPABN1370 #1

BASE M/E: 169/ 41
RIC: 510./ 1067.

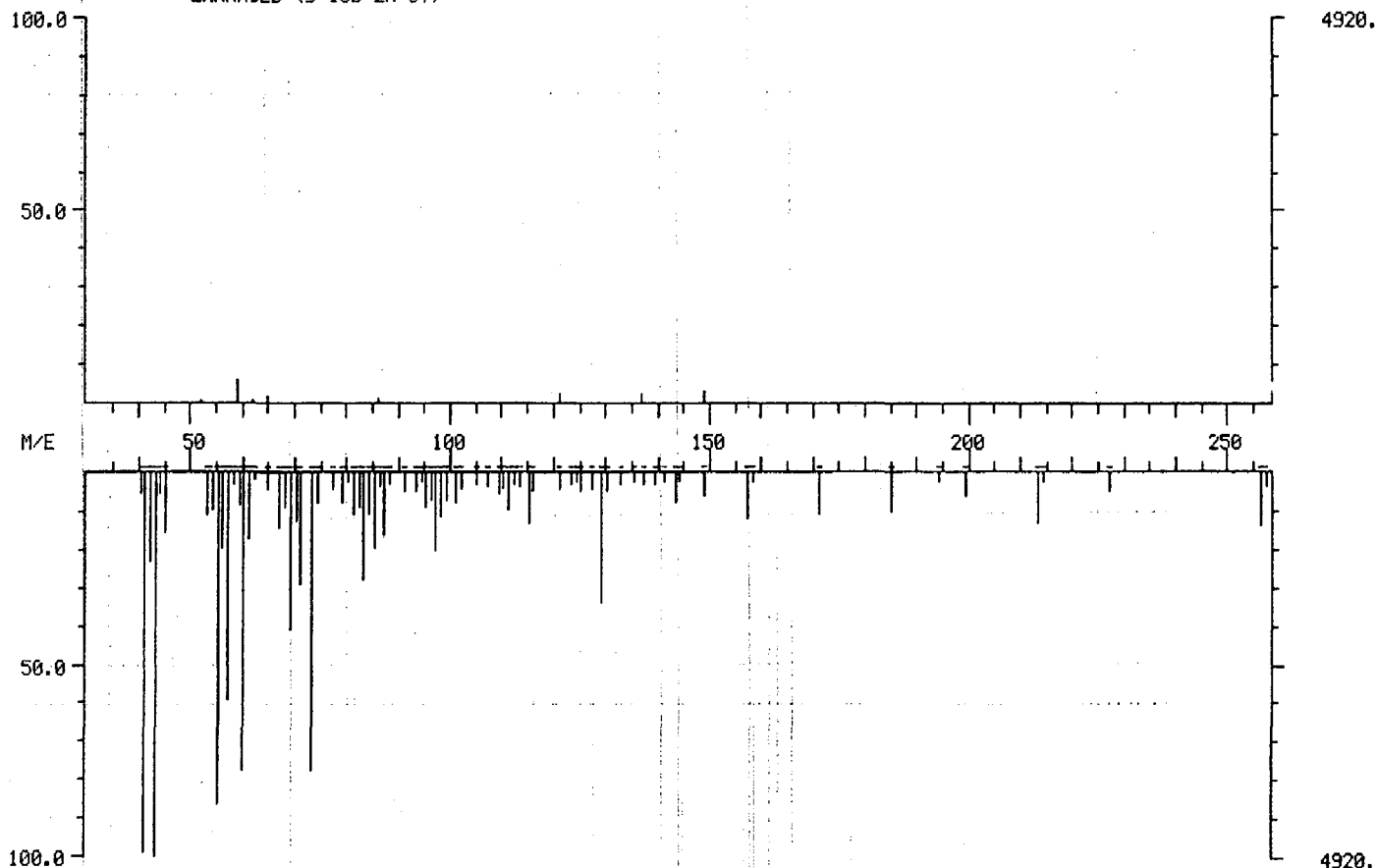


001952

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 26:58
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #1703
CALI: EPABN1370 #1

BASE M/E: 59/ 43
RIC: 888./ 56639.



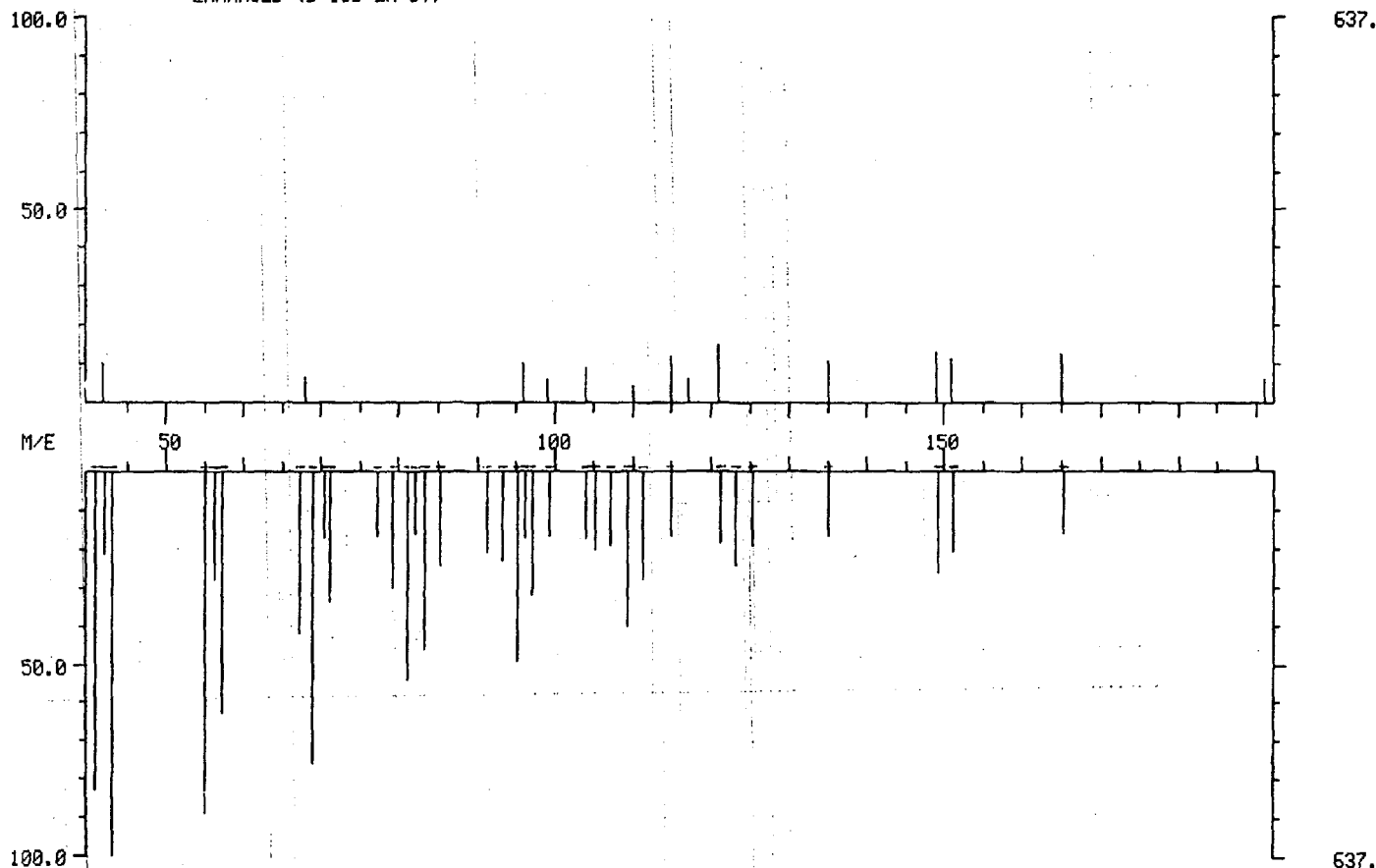
001953

4920.

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 31:28
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #1987
CALI: EPABN1370 #1

BASE M/E: 121/ 43
RIC: 829./ 7527.



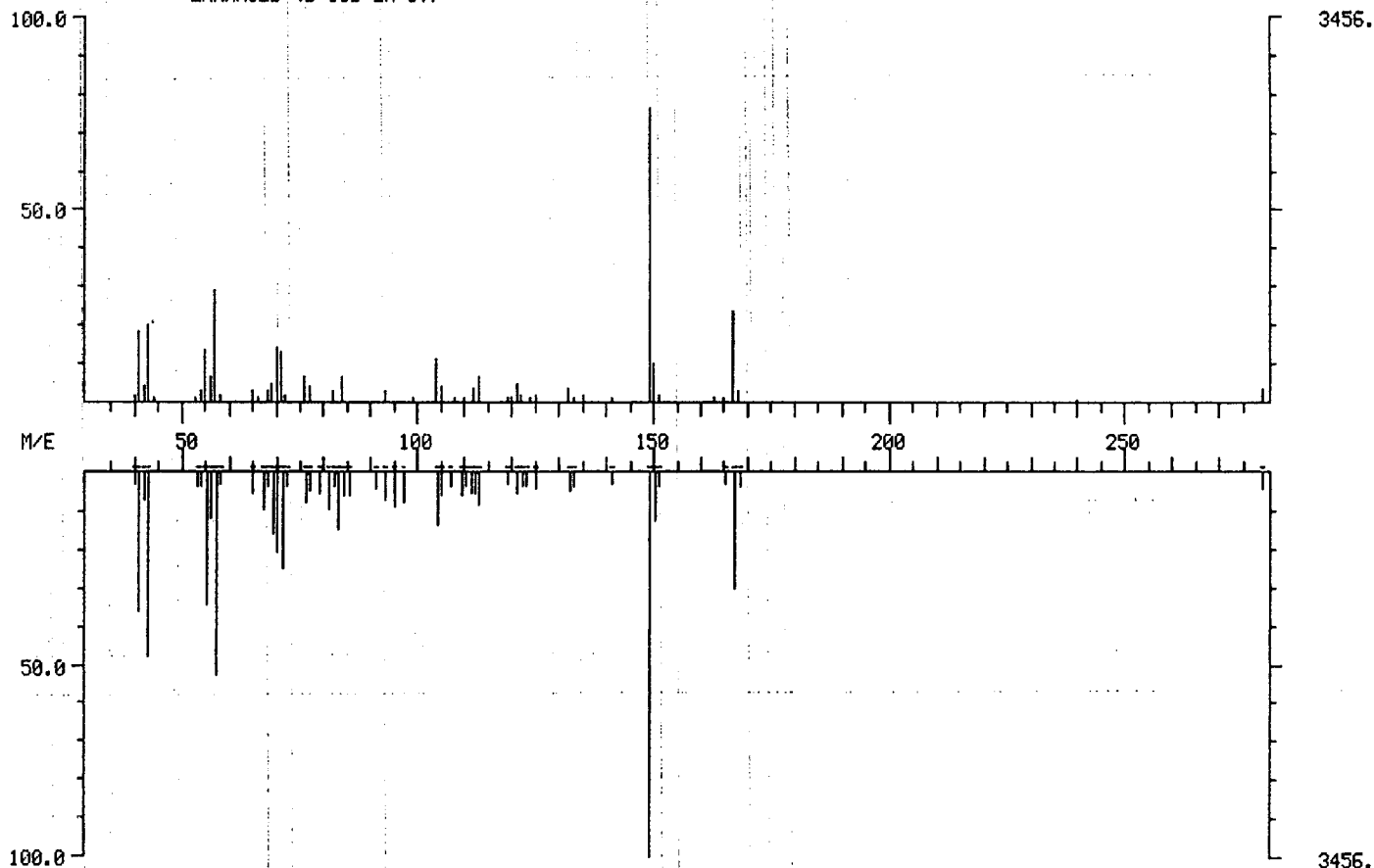
001954

637.

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 33:20
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #2105
CALI: EPABN1370 #1

BASE M/E: 149/ 149
RIC: 11503./ 21119.

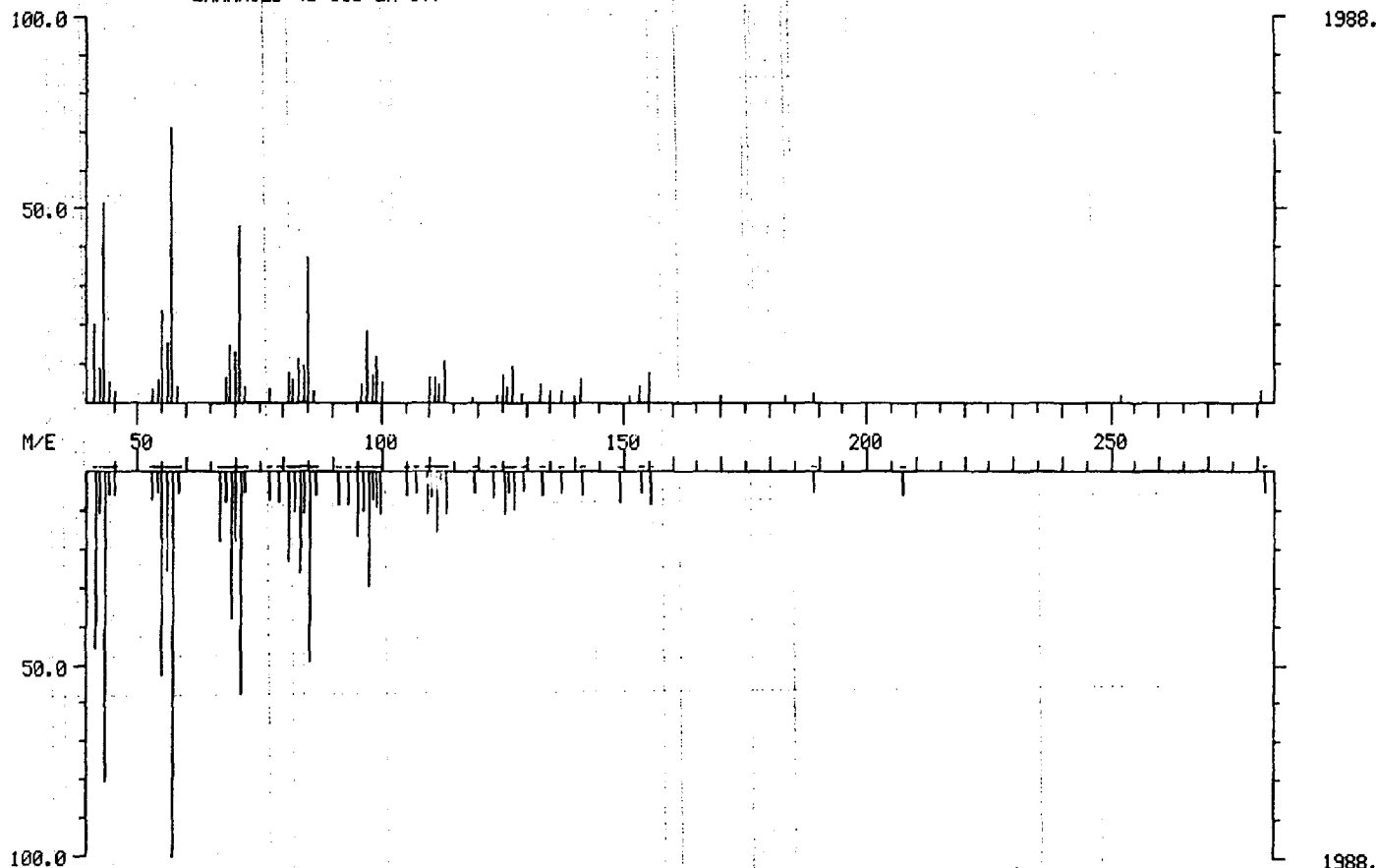


001955

DUAL MASS SPECTRUM
09/18/84 15:51:00 + 35:12
SAMPLE: 77113-14 ABN 1/10
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #2223
CALI: EPABN1370 #1

BASE M/E: 57/ 57
RIC: 10319./ 17599.



001956

256400

LIBRARY SEARCH

09/18/84 15:51:00 + 27:10

SAMPLE: 77113-14 ABN 1/10

CONDOS:

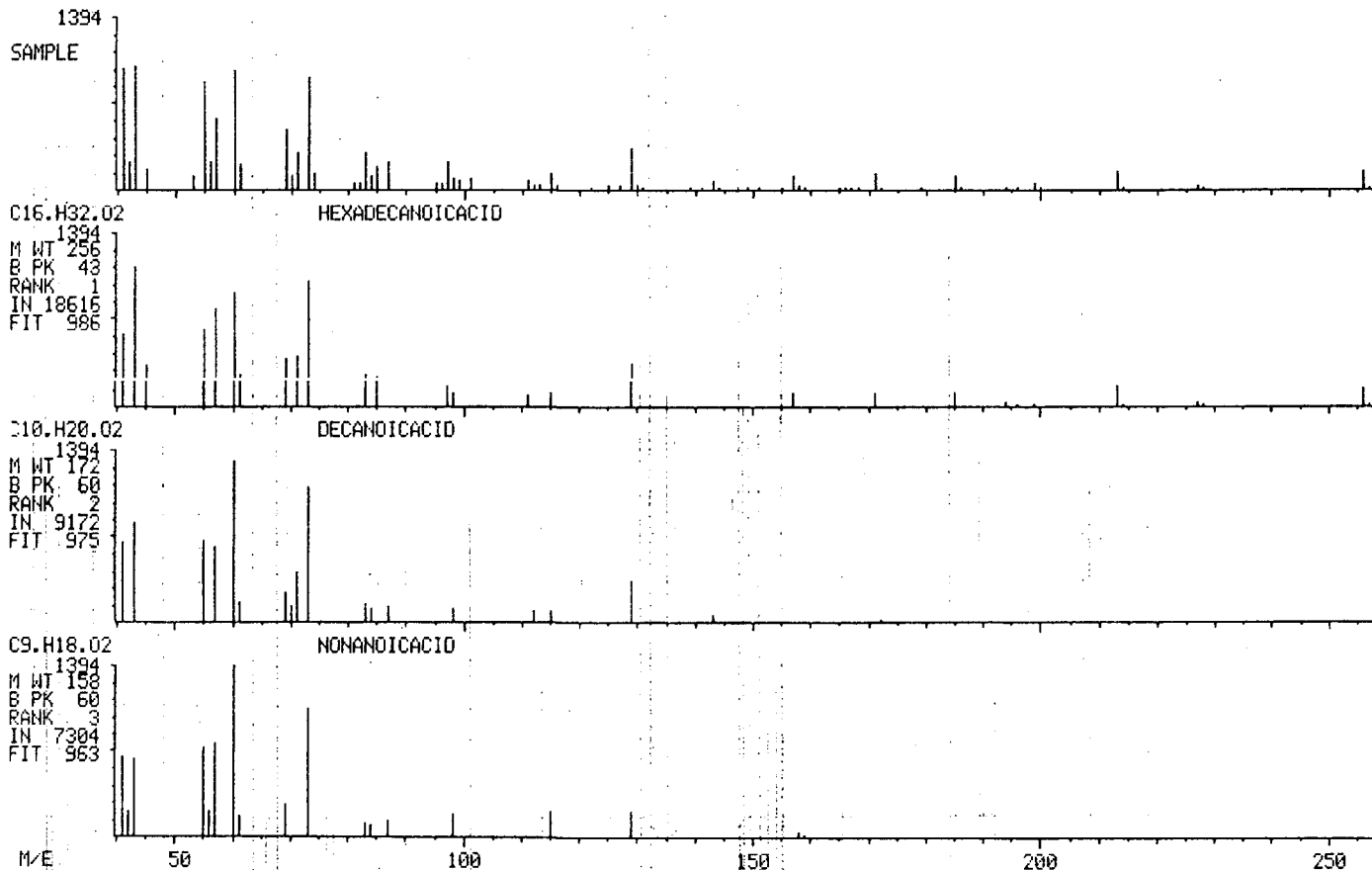
ENHANCED (S 15B 2N 0T)

DATA: EPABN1370 #1716

CALI: EPABN1370 # 1

BASE M/E: 43

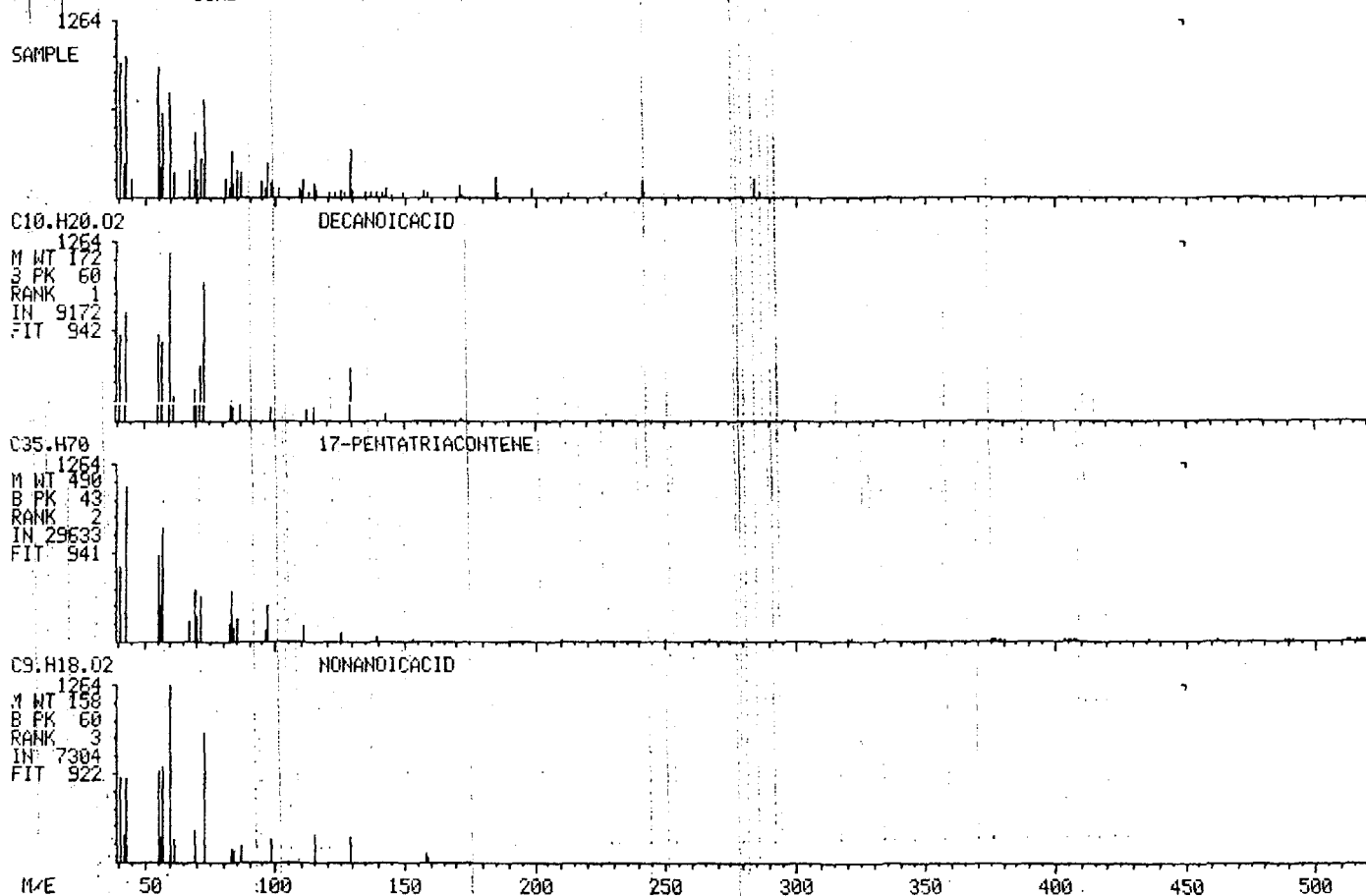
RIC: 68991.



856400

LIBRARY SEARCH
09/18/84 15:51:00 + 29:19
SAMPLE: 77113-14 ABN 1/10
COND5:

DATA: EPABN1370 #1852 BASE M/E: 43
CALI: EPABN1370 # 1 RIC: 45887.



Sample Number

F4.230

Organics Analysis Data Sheet

(Page 1)

Laboratory Name: U.S. Testing

Case No: 3089

Lab Sample ID No: 77113-15

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: _____

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH _____

Percent Moisture: 28 1.4

Percent Moisture (Decanted): _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	14 u
74-83-9	Bromomethane	14 u
75-01-4	Vinyl Chloride	14 u
75-00-3	Chloroethane	14 u
75-09-2	Methylene Chloride	40 u
67-64-1	Acetone	7 u
75-15-0	Carbon Disulfide	7 u
75-35-4	1, 1-Dichloroethane	7 u
75-34-3	1, 1-Dichloroethane	7 u
156-60-5	Trans-1, 2-Dichloroethene	7 u
67-66-3	Chloroform	7 u
107-06-2	1, 2-Dichloroethane	7 u
78-93-3	2-Butanone	14 u
71-55-6	1, 1, 1-Trichloroethane	65 u
56-23-5	Carbon Tetrachloride	7 u
108-05-4	Vinyl Acetate	14 u
75-27-4	Bromodichloromethane	7 u

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	7 u
78-87-5	1, 2-Dichloropropane	7 u
10061-02-6	Trans-1, 3-Dichloropropene	7 u
79-01-6	Trichloroethene	7 u
124-48-1	Dibromochloromethane	7 u
79-00-5	1, 1, 2-Trichloroethane	7 u
71-43-2	Benzene	7 u
10061-01-5	cis-1, 3-Dichloropropene	7 u
110-75-8	2-Chloroethylvinylether	7 u
75-25-2	Bromoform	14 u
591-78-6	2-Hexanone	7 u
108-10-1	4-Methyl-2-Pentanone	1688 u
127-18-4	Tetrachloroethene	7 u
108-88-3	Toluene	7 u
108-90-7	Chlorobenzene	7 u
100-41-4	Ethylbenzene	7 u
100-42-5	Styrene	7 u
	Total Xylenes	7 u

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/uI in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

001359

Sample Number

FAJ30

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	No VOCs detected			
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

198100

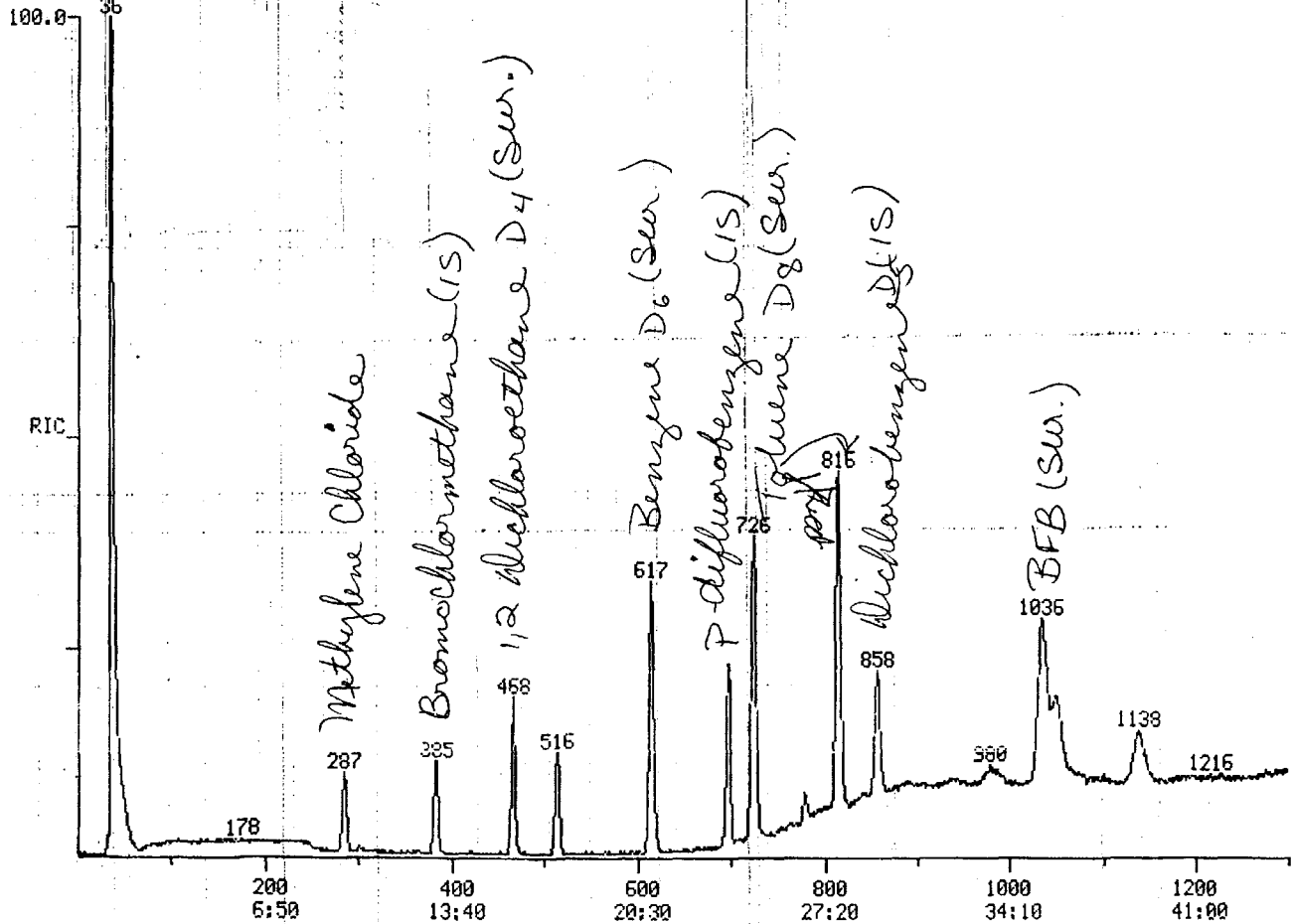
RIC
08/19/94 5:07:00
SAMPLE: 77113-15
CONDS.:
RANGE: G 1.1300

DATA: EPA00A1721 #1
CALI: EPA00A1721 #1

SCANS 1 TO 1300

LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

147456.



SCAN
TIME

QUANTITATION REPORT FILE: EPAVOA1721

DATA: EPAVOA1721.TI

08/19/84 5:07:00

SAMPLE: 77113-15

SUBMITTED BY: EPA

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE RL

NO NAME

1	*	BROMOCHLORMETHANE (INTERNAL STANDARD)
2	*	P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	*	DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4		CHLOROMETHANE
5		BROMOMETHANE
6		VINYL CHLORIDE
7		CHLOROETHANE
8		METHYLENE CHLORIDE
9		ACROLEIN
10		ACRYLONITRILE
11		1,1-DICHLOROETHYLENE
12		1,1-DICHLOROETHANE
13		TRANS-1,2-DICHLOROETHYLENE
14		CHLOROFORM
15		1,2-DICHLOROETHANE
16		1,1,1-TRICHLOROETHANE
17	HSL	ACETONE
18	HSL	CARBON DISULFIDE
19		CARBON TETRACHLORIDE
20		BROMODICHLOROMETHANE
21		1,2-DICHLOROPROPANE
22		TRANS-1,3-DICHLOROPROPYLENE
23		TRICHLOROETHYLENE
24		BENZENE
25		DIBROMOCHLOROMETHANE
26		1,1,2-TRICHLOROETHANE
27		CIS-1,3-DICHLOROPROPYLENE
28		2-CHLOROETHYL VINYL ETHER
29		BROMOFORM
30	HSL	METHYL ETHYL KETONE
31	HSL	VINYL ACETATE
32	HSL	METHYL ISOBUTYL KETONE
33		1,2-DICHLOROETHANE-D4 (SURROGATE)
34		BENZENE-D6 (SURROGATE)
35		DIBROMOTETRAFLUOROETHANE (SURROGATE)
36		BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37		FLUOROBENZENE (SURROGATE)
38		TETRACHLOROETHYLENE
39		1,1,2,2-TETRACHLOROETHANE
40		TOLUENE
41		CHLOROBENZENE
42		ETHYLBENZENE
43	HSL	2-HEXANONE
44	HSL	STYRENE
45		O-XYLENE
46	HSL	M-XYLENE

001062

NO	NAME
47	M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48	D-S ETHYLBENZENE (SURROGATE)
49	TOLUENE-D8 (SURROGATE)
50	P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	385	13:09	1	1.000	A BB	14133.	50.000 UG/L	4.54
2	114	699	23:53	2	1.000	A BB	64357.	50.000 UG/L	4.54
3	117	858	29:19	3	1.000	A BB	39814.	50.000 UG/L	4.54
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	287	9:48	1	0.745	A BB	14343.	28.557 UG/L	2.59
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								

001063

psu

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	97	516	17:38	1	1.340	A BB	30551.	46.243 UG/L	4.20 <i>62</i>
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	43	726	24:48	2	1.039	A BB	125202.	491.155 UG/L	44.62 ✓
33	65	468	15:59	2	0.670	A BB	61726.	100.627 UG/L	9.14
34	84	617	21:05	2	0.883	A BB	114230.	92.118 UG/L	8.37
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	166	780	26:39	3	0.909	A BB	3008.	4.818 UG/L	0.44 <i>OK</i>
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	815	27:51	3	0.950	A BB	116166.	103.019 UG/L	9.36
50	95	1036	35:24	3	1.207	A BB	65834.	84.949 UG/L	7.72

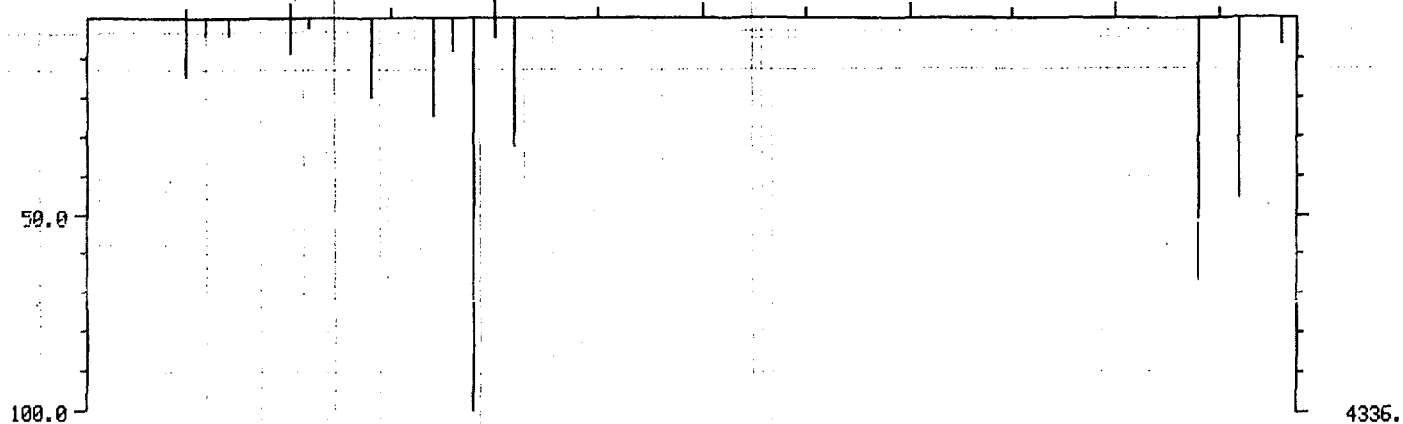
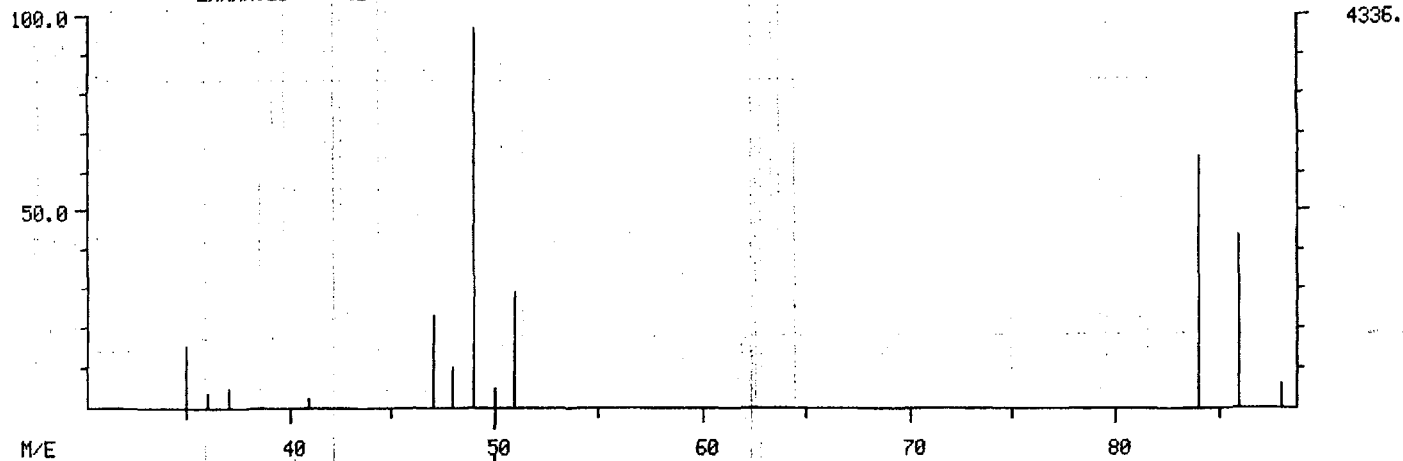
001064

pen

DUAL MASS SPECTRUM
08/19/84 5:07:00 + 9:48
SAMPLE: 77113-15
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1721 #287
CALI: EPAU0A1721 #1

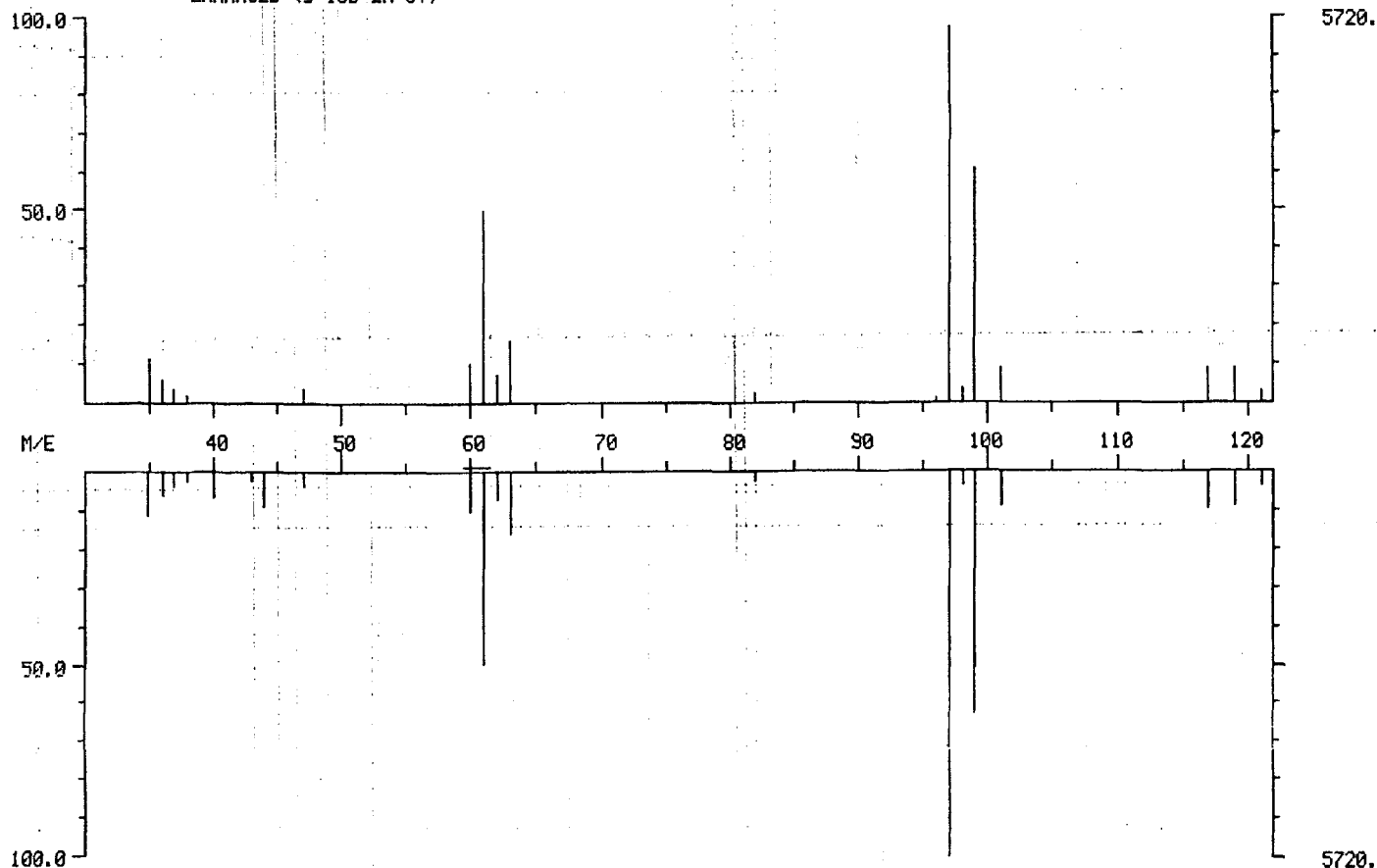
BASE M/E: 49/ 49
RIC: 13103./ 14927.



001965

DUAL MASS SPECTRUM
08/19/84 5:07:00 + 17:38
SAMPLE: 77113-15
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1721 #516 BASE M/E: 97/ 97
CALI: EPAU0A1721 #1 RIC: 17343./ 18697.

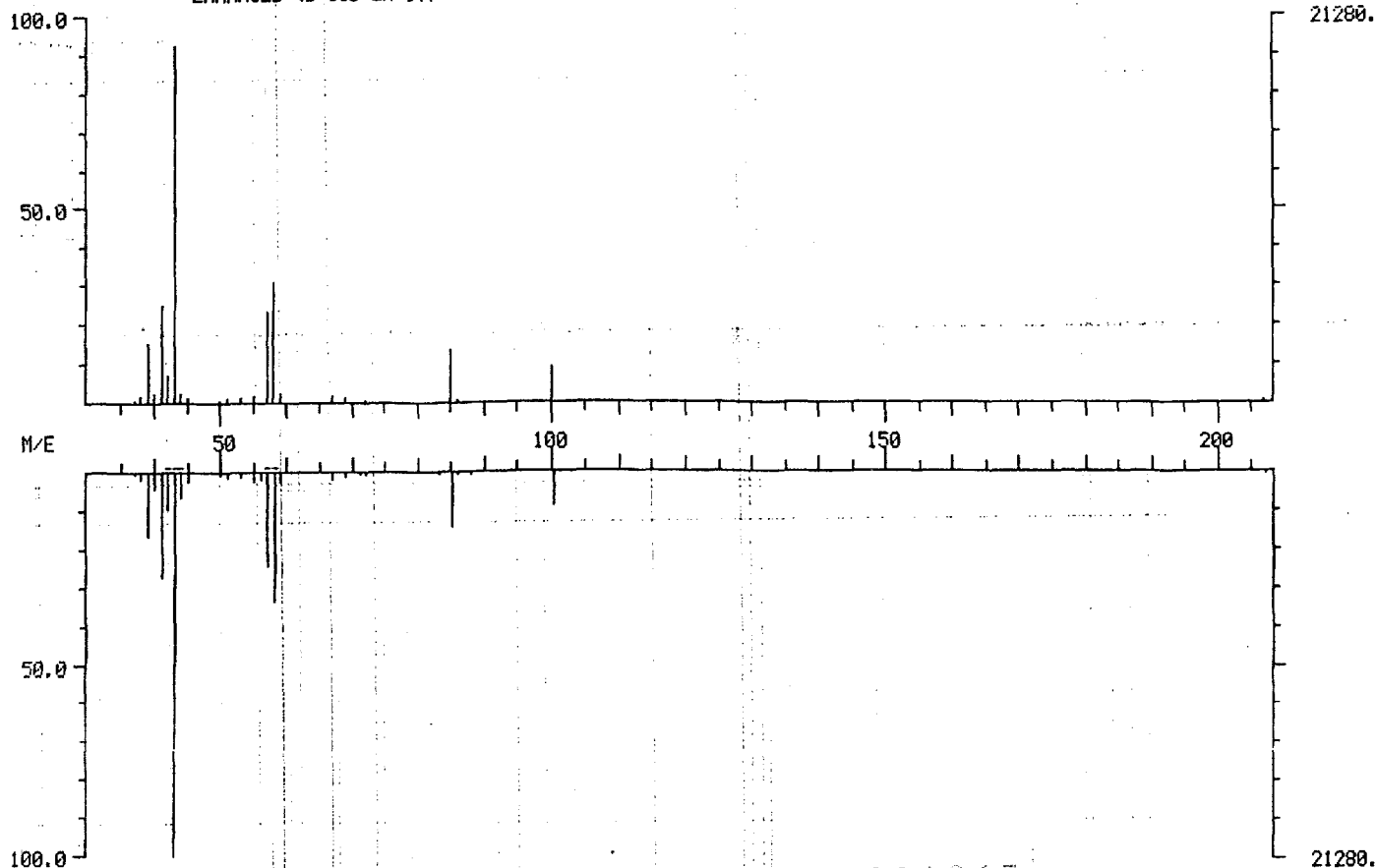


001966

DUAL MASS SPECTRUM
08/19/84 5:07:00 + 24:48
SAMPLE: 77113-15
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1721 #726
CALI: EPAU0A1721 #1

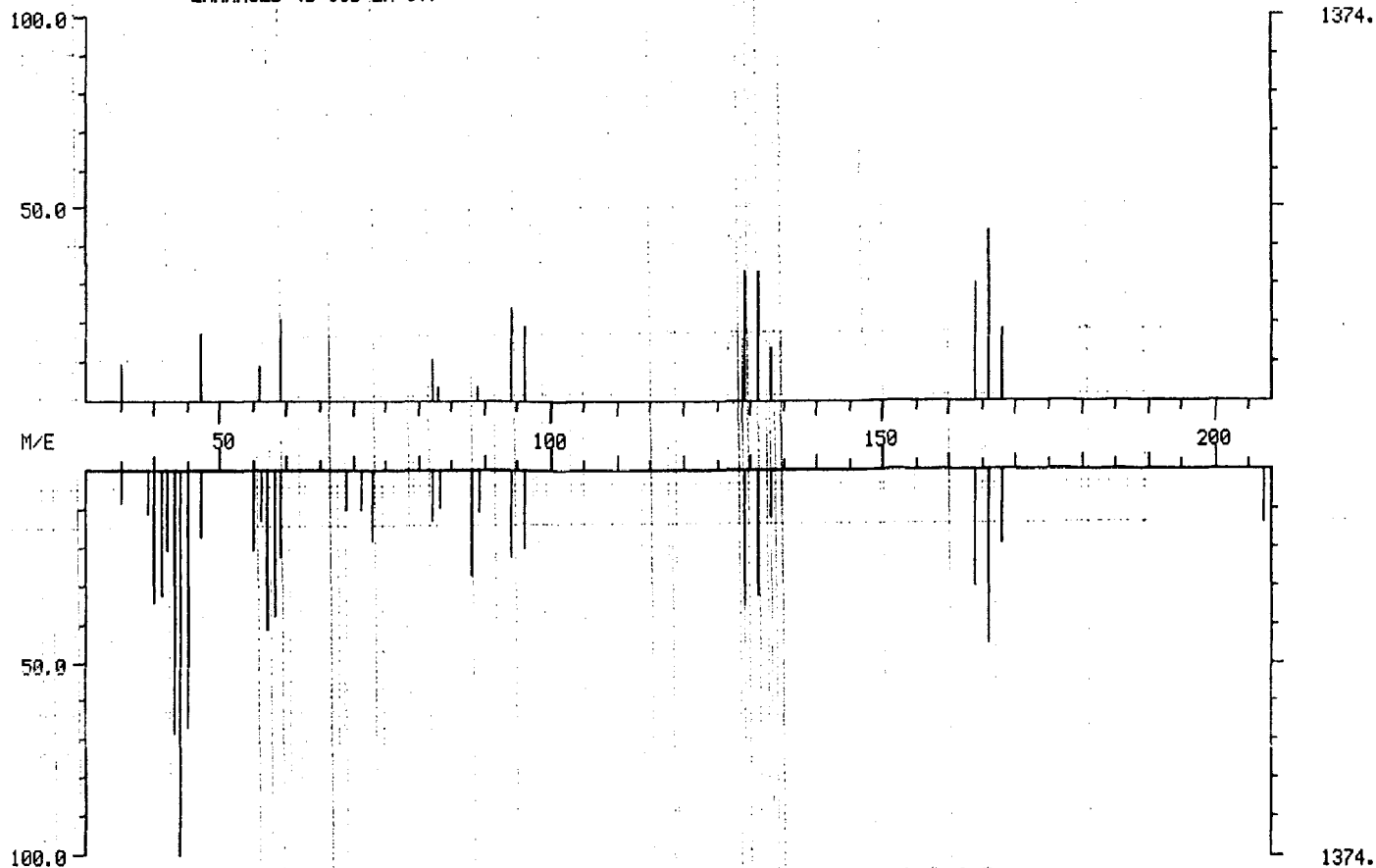
BASE M/E: 43/ 43
RIC: 50111./ 56703.



001967

DUAL MASS SPECTRUM
08/19/84 5:07:00 + 25:39
SAMPLE: 77113-15
CONDS:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1721 #780 BASE M/E: 165/ 44
CALI: EPAU0A1721 #1 RIC: 3957./ 11327.



001068

Sample Number

F4230

DMS

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: U.S. Testing

Case No: 3089

Lab Sample ID No: 77113-15MSD

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: JL

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH 28

Percent Moisture: 28

Percent Moisture (Decanted):

CAS
Number

ug/l or ug/Kg
(Circle One)

74-87-3	Chloromethane	14
74-83-9	Bromomethane	14
75-01-4	Vinyl Chloride	14
75-00-3	Chloroethane	14
75-09-2	Methylene Chloride	48
67-64-1	Acetone	7
75-15-0	Carbon Disulfide	7
75-35-4	1, 1-Dichloroethene	7
75-34-3	1, 1-Dichloroethane	7
156-60-5	Trans-1, 2-Dichloroethene	7
67-66-3	Chloroform	7
107-06-2	1, 2-Dichloroethane	7
78-93-3	2-Butanone	14
71-55-6	1, 1, 1-Trichloroethane	69
56-23-5	Carbon Tetrachloride	7
108-05-4	Vinyl Acetate	14
75-27-4	Bromodichloromethane	7

CAS
Number

ug/l or ug/Kg
(Circle One)

79-34-5	1, 1, 2, 2-Tetrachloroethane	7
78-87-5	1, 2-Dichloropropane	7
10061-02-6	Trans-1, 3-Dichloropropene	7
79-01-6	Trichloroethene	7
124-48-1	Dibromochloromethane	7
79-00-5	1, 1, 2-Trichloroethane	7
71-43-2	Benzene	7
10061-01-5	cis-1, 3-Dichloropropene	7
110-75-8	2-Chloroethylvinylether	7
75-25-2	Bromoform	14
591-78-6	2-Hexanone	7
108-10-1	4-Methyl-2-Pentanone	42
127-18-4	Tetrachloroethene	14
108-88-3	Toluene	7
108-90-7	Chlorobenzene	7
100-41-4	Ethylbenzene	7
100-42-5	Styrene	7
	Total Xylenes	7

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the
definition of each flag must be explicit.

Value If the result is a value greater than or equal to the
detection limit, report the value.

U Indicates compound was analyzed for, but not detected.
Report the minimum detection limit for the sample with
the U (e.g., 10U) based on necessary concentration/
dilution actions. (This is not necessarily the instrument
detection limit.) The footnote should read: U.
Compound was analyzed for but not detected. The
number is the minimum attainable detection limit for
the sample.

J Indicates an estimated value. This flag is used either
when estimating a concentration for tentatively

C This flag applies to pesticide parameters where the
identification has been confirmed by GC/MS. Single
component pesticides ≥ 10 ng/ul in the final extract
should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank
as well as a sample. It indicates possible/probable
blank contamination and warns the data user to take
appropriate action.

Other Other specific flags and footnotes may be required to
properly define the results. If used, they must be fully
described and such description attached to the data
summary report.

Sample Number

F4127 DMS

Organics Analysis Data Sheet (Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/17/84

Conc/Dil Factor: 27g → 1ml; 10x dil

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	
108-95-2	Phenol	
62-53-3	Aniline	
111-44-4	bis(2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39538-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	
95-95-4	2, 4, 5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
806-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
92-87-5	Benizidine	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

Sample Number

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

228100

RIC

08/19/84 7:07:00

SAMPLE: 77113-15 MSD

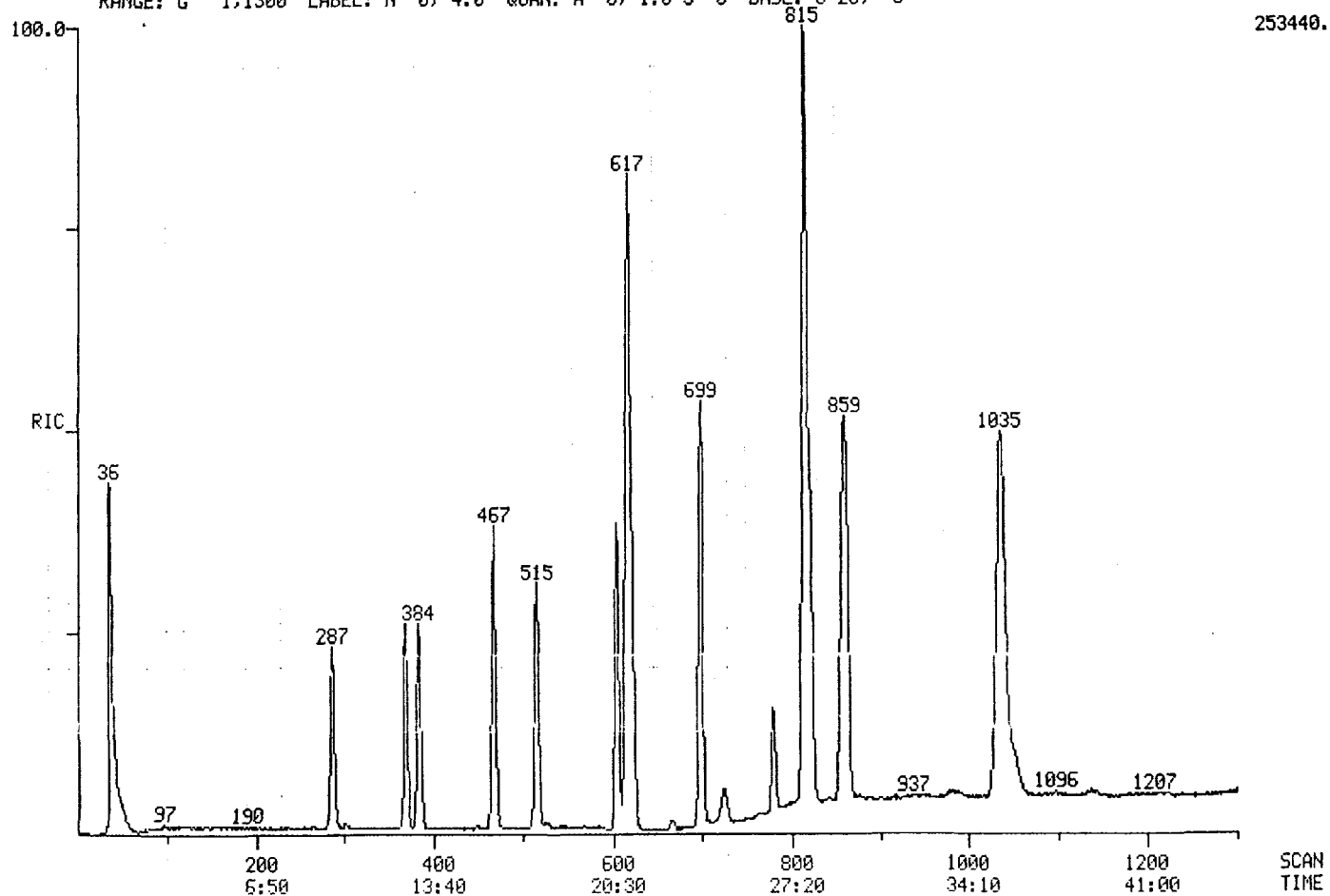
CONDS.:

RANGE: G 1.1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPA00A1723 #1

SCANS 1 TO 1300

CALI: EPA00A1723 #1



QUANTITATION REPORT FILE: EPAV0A1723

DATA: EPAV0A1723.TI

08/19/84 7:07:00

SAMPLE: 77113-15 MSD

SUBMITTED BY: EPA

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1,1-DICHLOROETHYLENE
12	1,1-DICHLOROETHANE
13	TRANS-1,2-DICHLOROETHYLENE
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	1,1,1-TRICHLOROETHANE
17	HSL ACETONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLOROMETHANE
26	1,1,2-TRICHLOROETHANE
27	CIS-1,3-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL ISOBUTYL KETONE
33	1,2-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1,1,2,2-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

001073

NO NAME
 47 M-BROMOBENZOTRIFLUORIDE (SURROGATE)
 48 D-5 ETHYLBENZENE (SURROGATE)
 49 TOLUENE-D8 (SURROGATE)
 50 P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	384	13:07	1	1.000	A BB	51590.	50.000 UG/L	6.00
2	114	698	23:51	2	1.000	A BB	268497.	50.000 UG/L	6.00
3	117	857	29:17	3	1.000	A BB	159081.	50.000 UG/L	6.00
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	287	9:48	1	0.747	A BB	62586.	34.137 UG/L	4.09
9	NOT FOUND								
10	NOT FOUND								
11	61	369	12:36	1	0.961	A BB	111121.	57.746 UG/L	6.93
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	97	515	17:36	1	1.341	A BB	119099.	49.385 UG/L	5.92

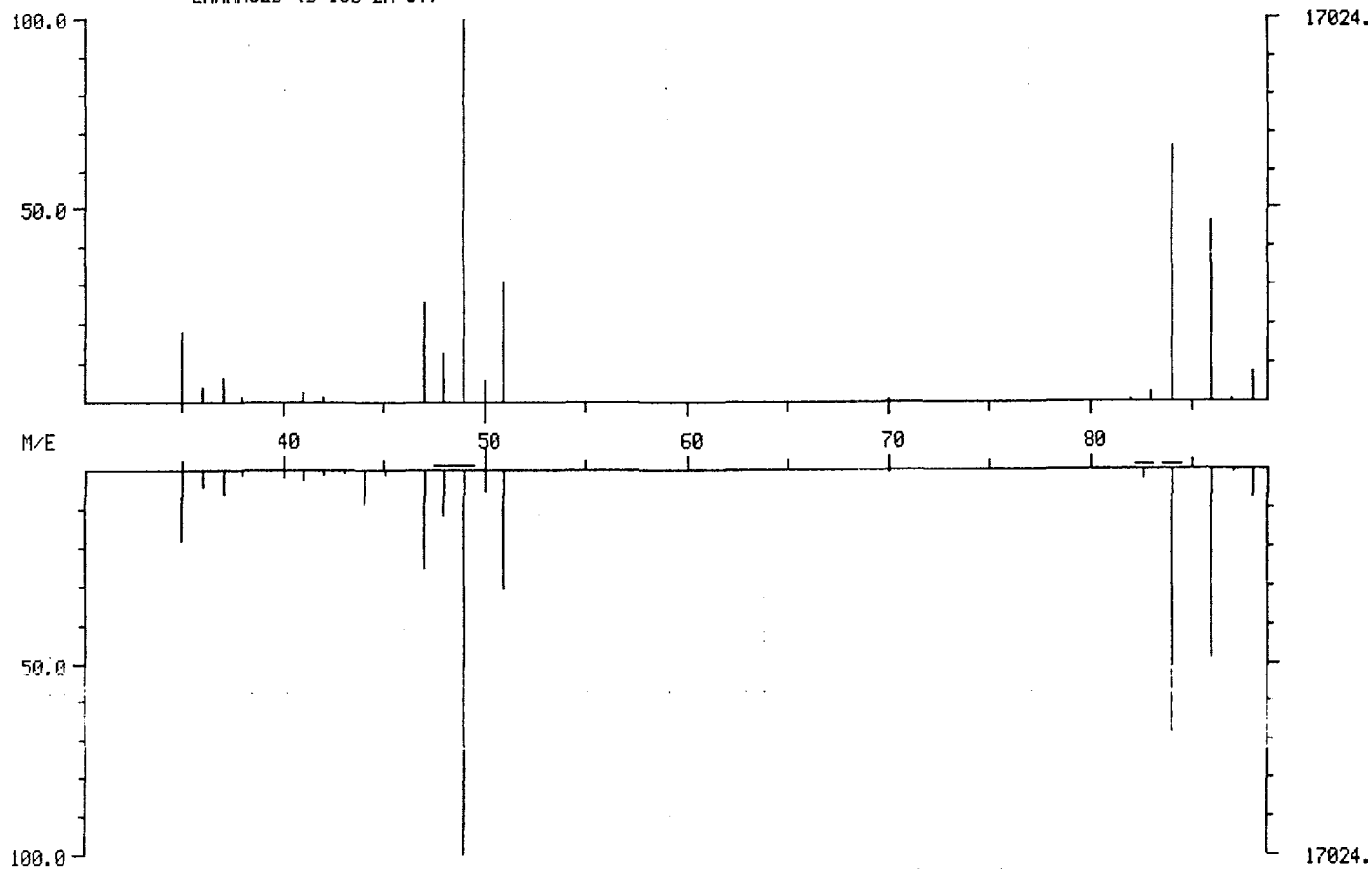
001074

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	95	605	20:40	2	0.867	A BB	87953.	33.165 UG/L	3.98
24	78	621	21:13	2	0.890	A BB	181042.	33.352 UG/L	4.00
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	43	725	24:46	2	1.039	A VB	31812.	29.912 UG/L	3.59
33	65	468	15:59	2	0.670	A BB	211691.	82.719 UG/L	9.92
34	84	616	21:03	2	0.883	A VB	469033.	90.662 UG/L	10.87
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	166	780	26:39	3	0.910	A BB	24796.	9.940 UG/L	1.19
39	NOT	FOUND							
40	91	821	28:03	3	0.958	A BB	199880.	36.991 UG/L	4.44
41	112	861	29:25	3	1.005	A BB	138976.	33.426 UG/L	4.01
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	815	27:51	3	0.951	A BB	475220.	105.475 UG/L	12.65
50	95	1036	35:24	3	1.209	A BB	269712.	87.102 UG/L	10.45

001075

DUAL MASS SPECTRUM
08/19/84 7:07:00 + 9:48
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

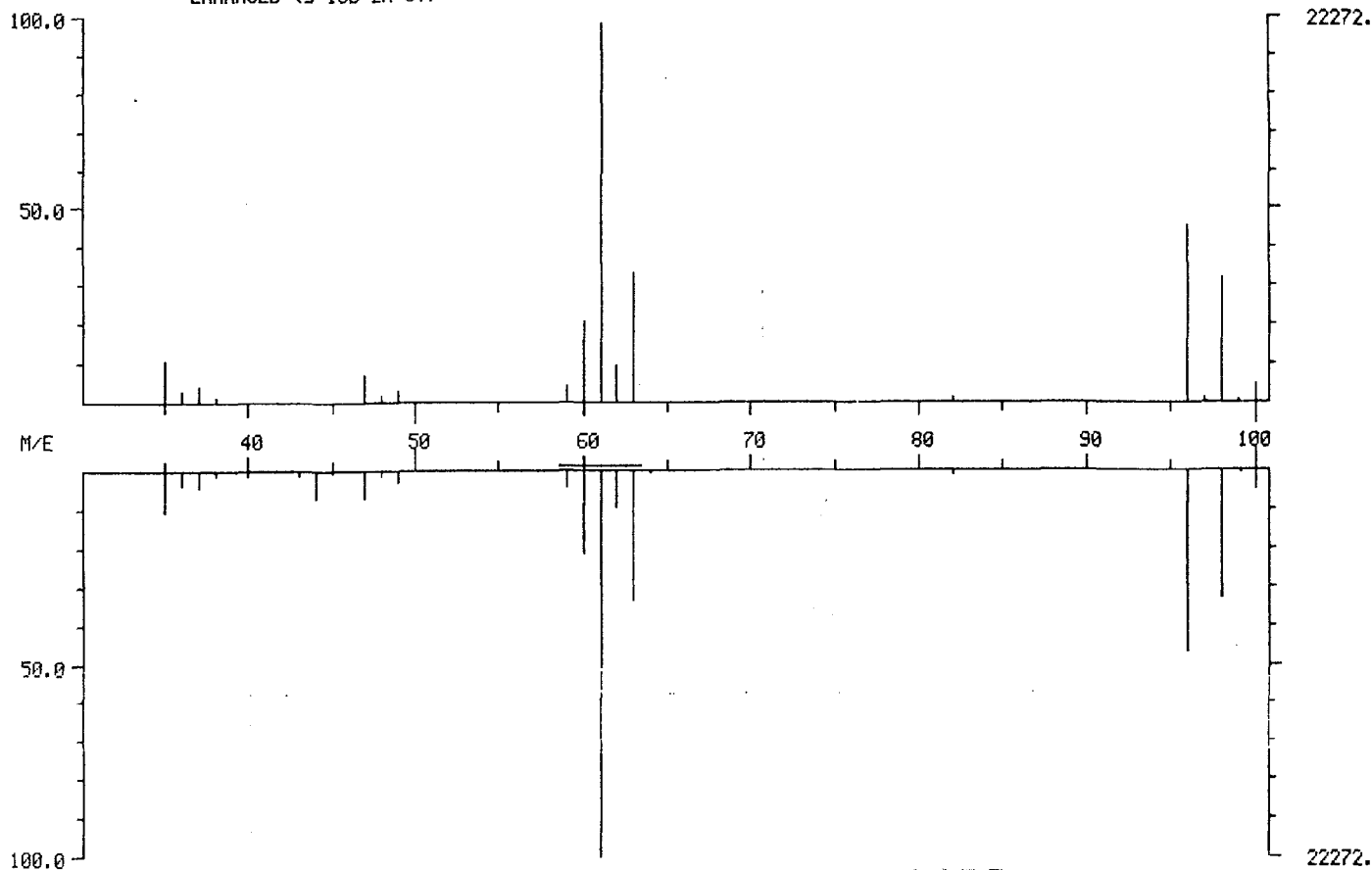
DATA: EPAU0A1723 #287 BASE M/E: 49/ 49
CALI: EPAU0A1723 #1 RIC: 56255./ 59263.



001976

DUAL MASS SPECTRUM
08/19/84 7:07:00 + 12:36
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1723 #369 BASE M/E: 61/ 61
CALI: EPAU0A1723 #1 RIC: 62719./ 65047.



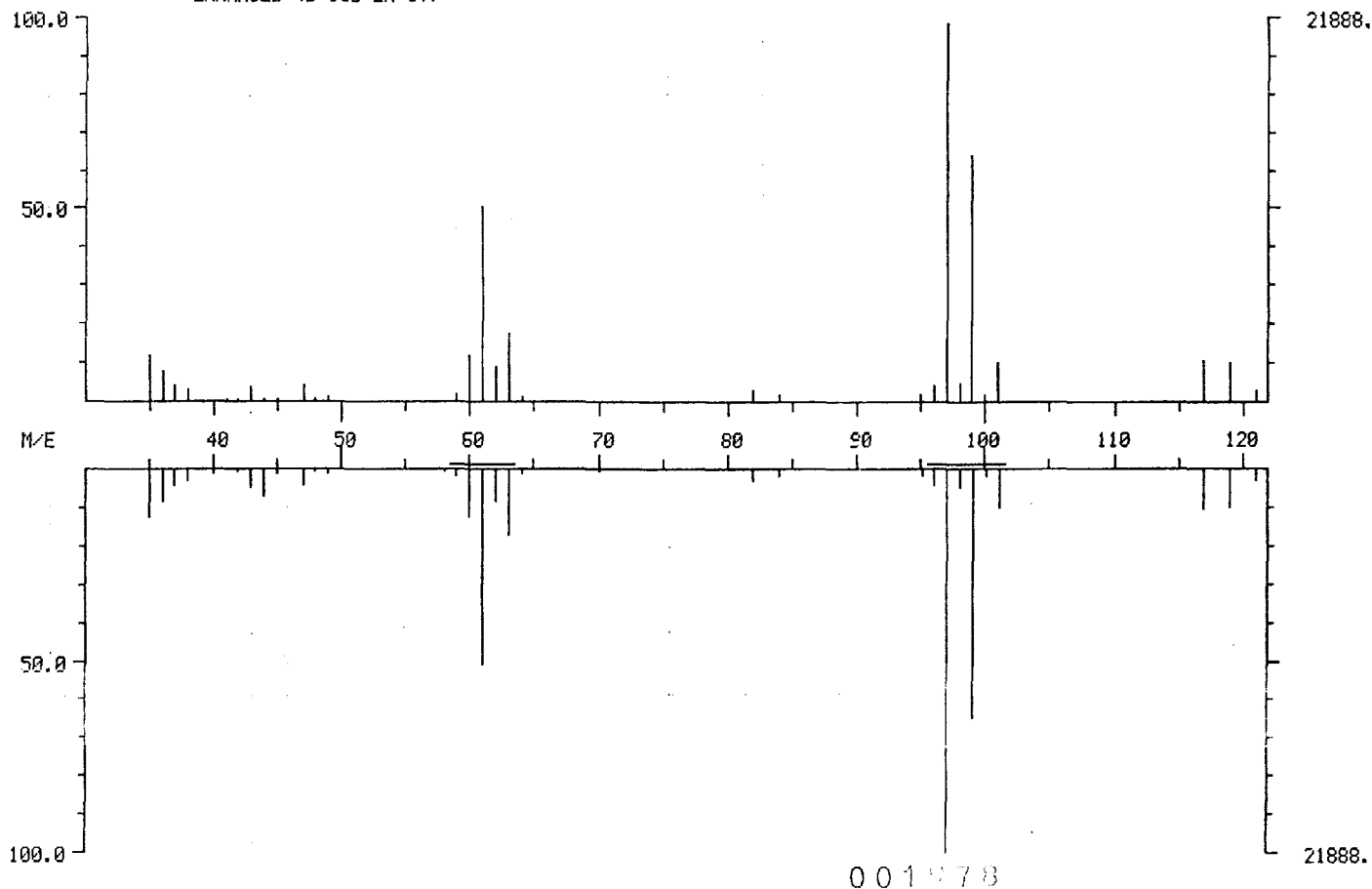
001977

22272.

22272.

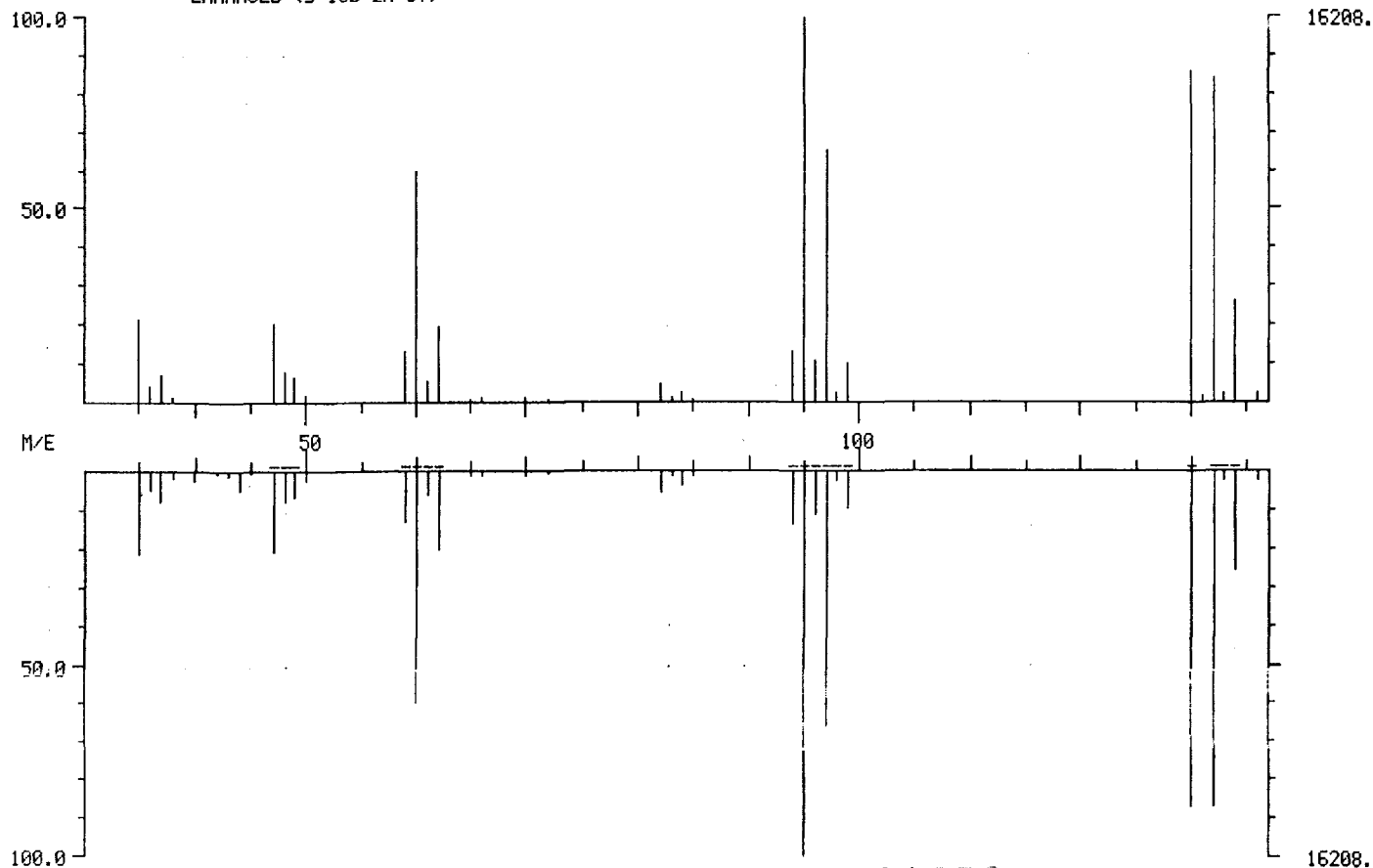
DUAL MASS SPECTRUM
08/19/84 7:07:00 + 17:35
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1723 #515 BASE M/E: 97/ 97
CALI: EPAU0A1723 #1 RIC: 74879./ 78335.



DUAL MASS SPECTRUM
08/19/84 7:07:00 + 20:40
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

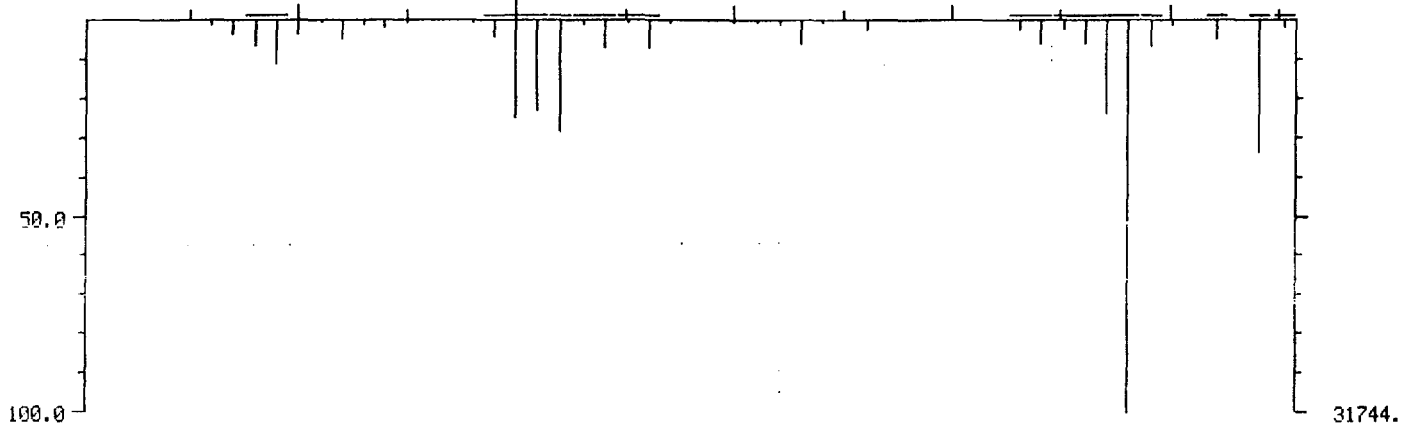
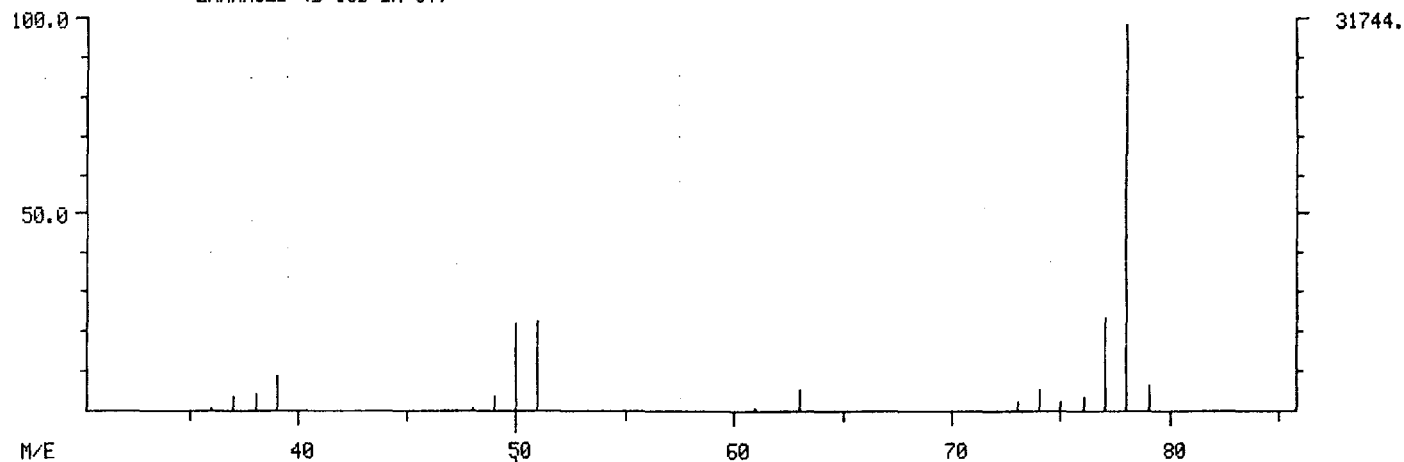
DATA: EPAU0A1723 #505 BASE M/E: 95/ 95
CALI: EPAU0A1723 #1 RIC: 94591./ 97791.



001979

DUAL MASS SPECTRUM
08/19/84 7:07:00 + 21:13
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

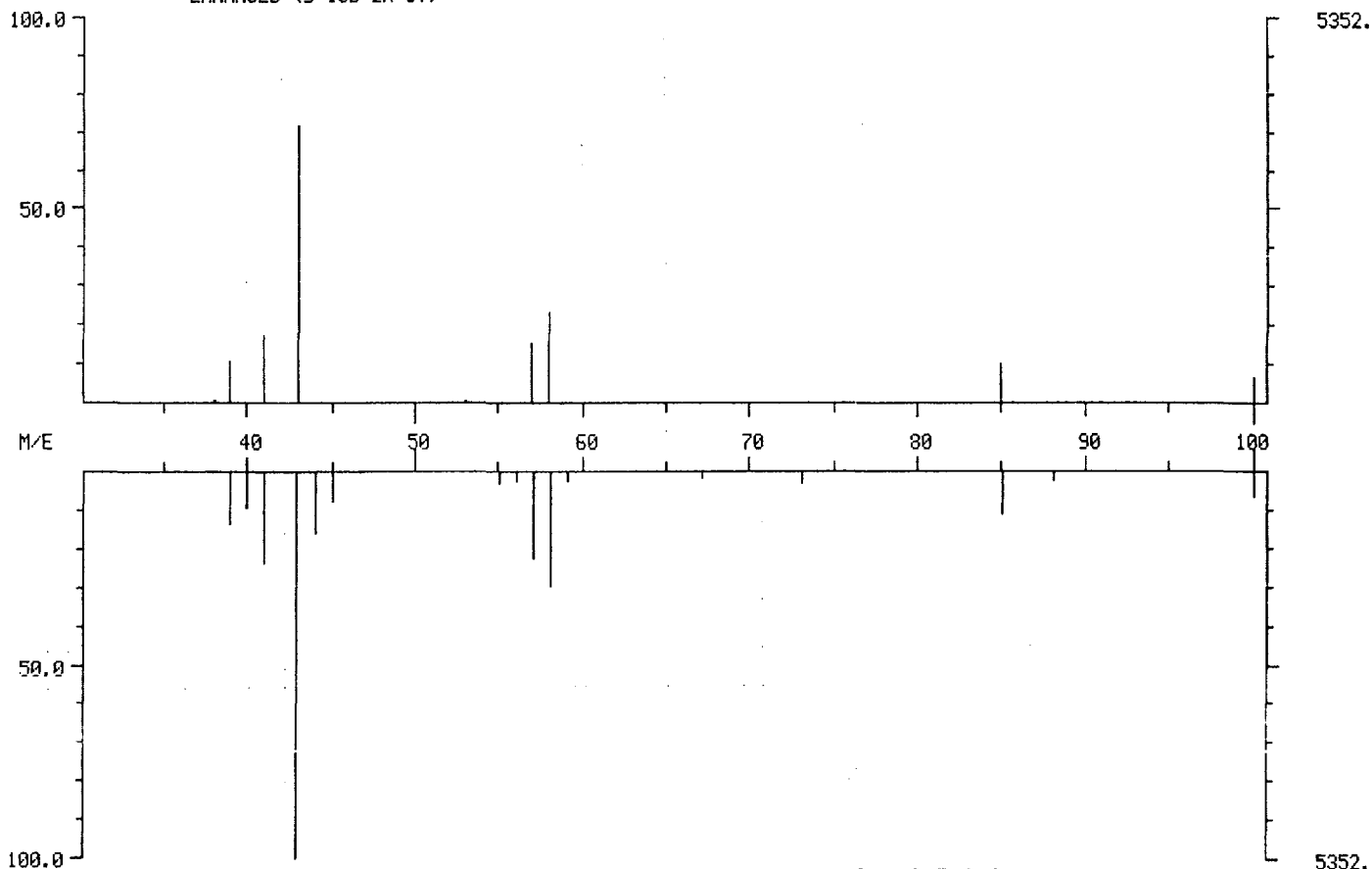
DATA: EPA00A1723 #521 BASE M/E: 78/ 78
CALI: EPA00A1723 #1 RIC: 67583./ 104831.



001980

DUAL MASS SPECTRUM
08/19/84 7:07:00 + 24:46
SAMPLE: 77113-15 MSD
COND5.:
ENHANCED (S 15B 2N 0T)

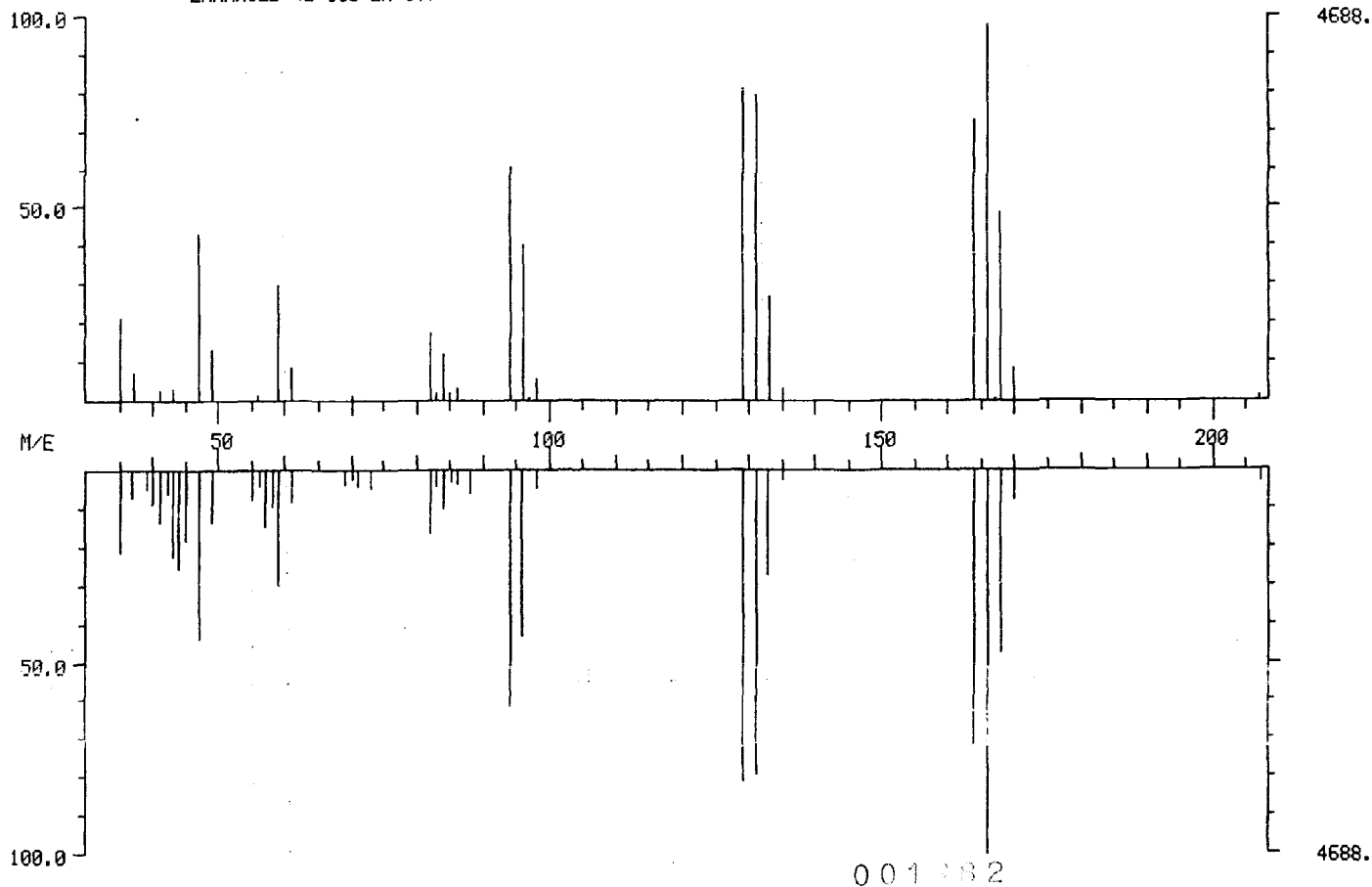
DATA: EPA00A1723 #725 BASE M/E: 43/ 43
CALI: EPA00A1723 #1 RIC: 9335./ 13663.



001981

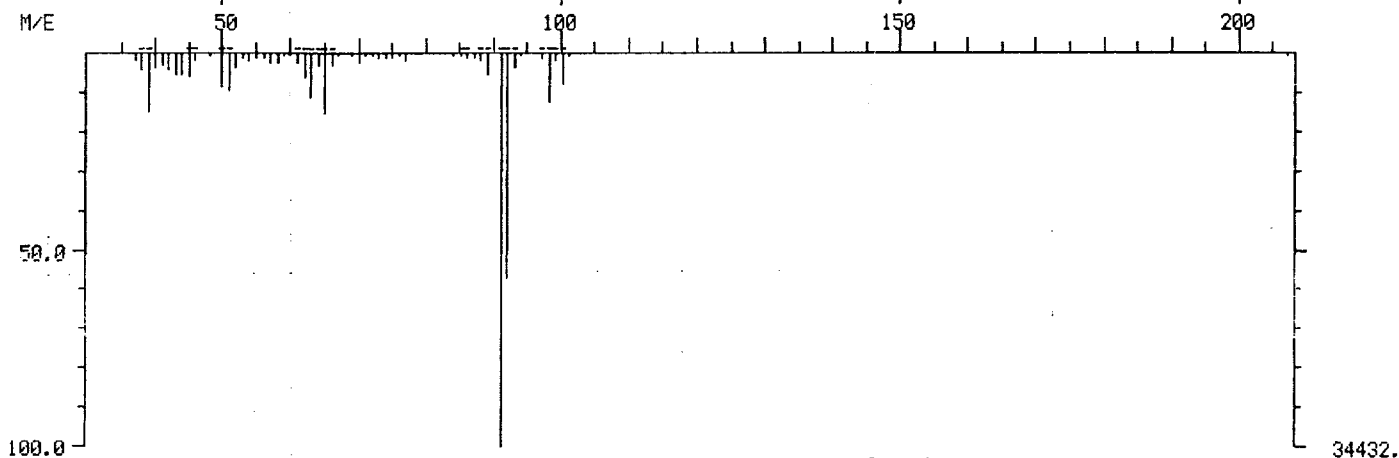
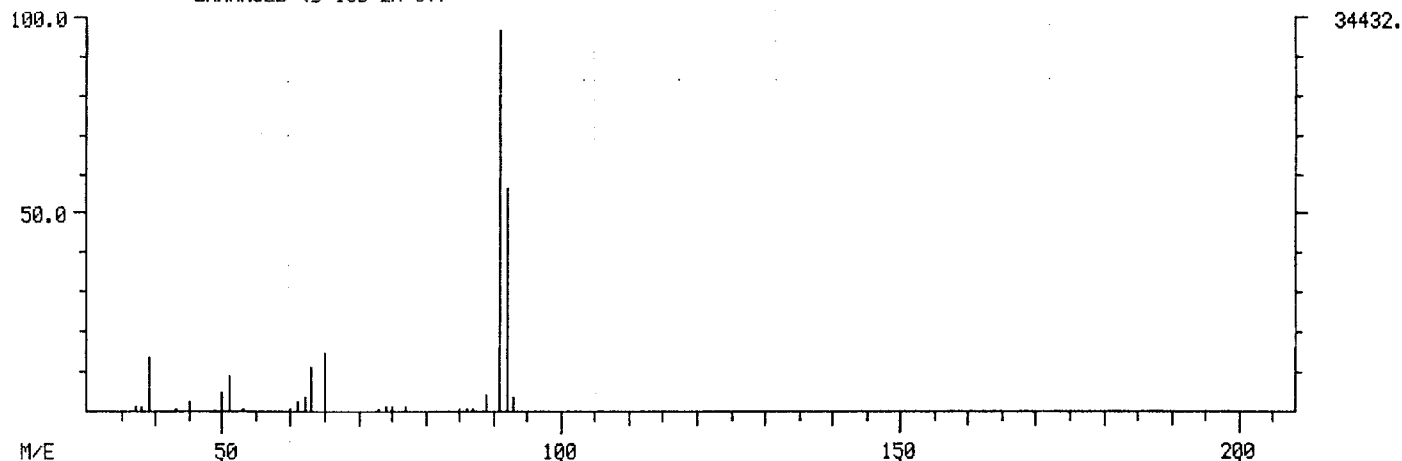
DUAL MASS SPECTRUM
08/19/84 7:07:00 + 26:39
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1723 #780 BASE M/E: 166/ 166
CALI: EPAU0A1723 #1 RIC: 32415./ 39743.



DUAL MASS SPECTRUM
08/19/84 7:07:00 + 28:03
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

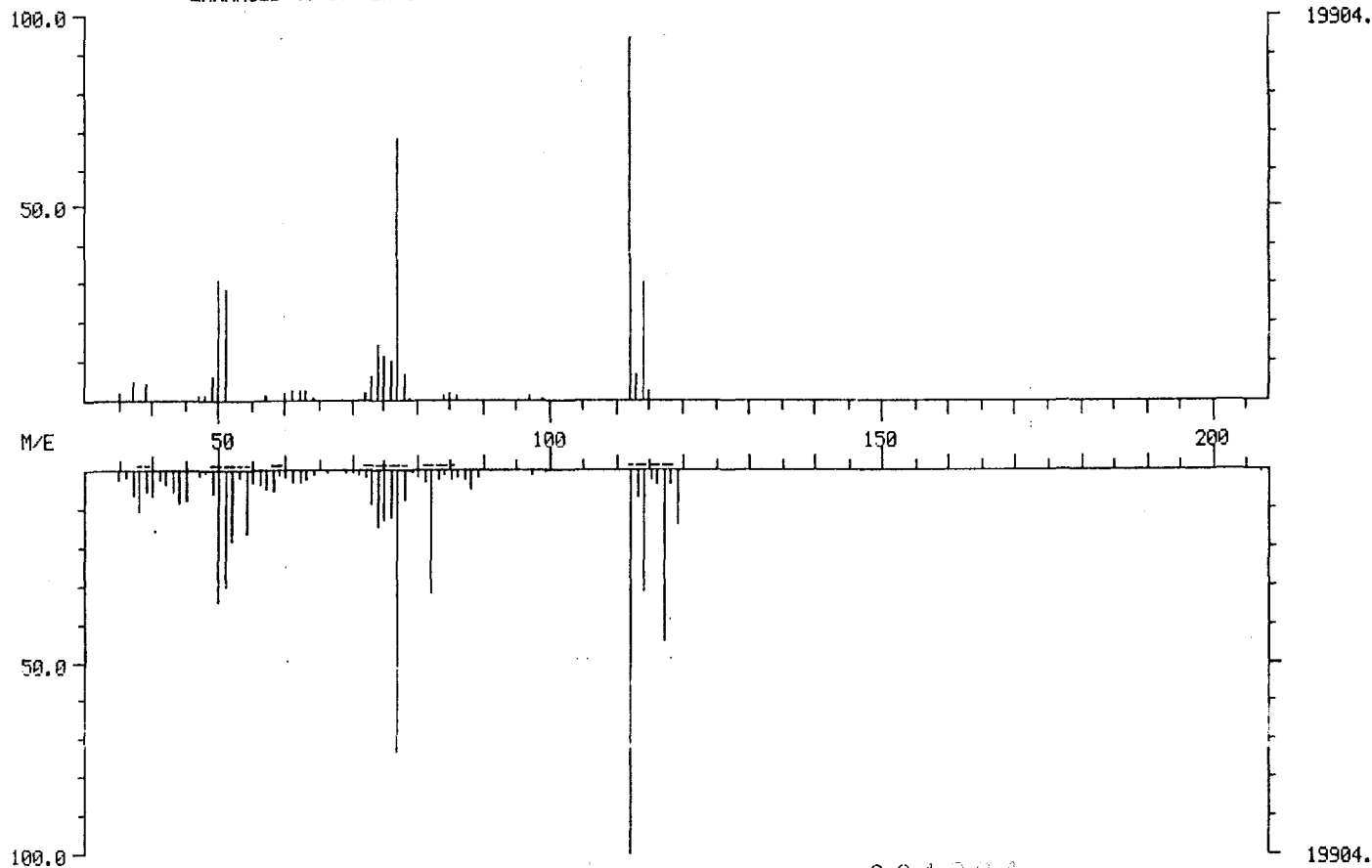
DATA: EPAU0A1723 #821 BASE M/E: 91/ 91
CALI: EPAU0A1723 #1 RIC: 79999./ 113663.



001983

DUAL MASS SPECTRUM
03/19/84 7:07:00 + 29:25
SAMPLE: 77113-15 MSD
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1723 #861 BASE M/E: 112/ 112
CALI: EPAU0A1723 #1 RIC: 69391./ 118655.



001984

586100

RIC

09/17/84 19:16:00

SAMPLE: 77113-7 1/10 ABN

CONDS.:

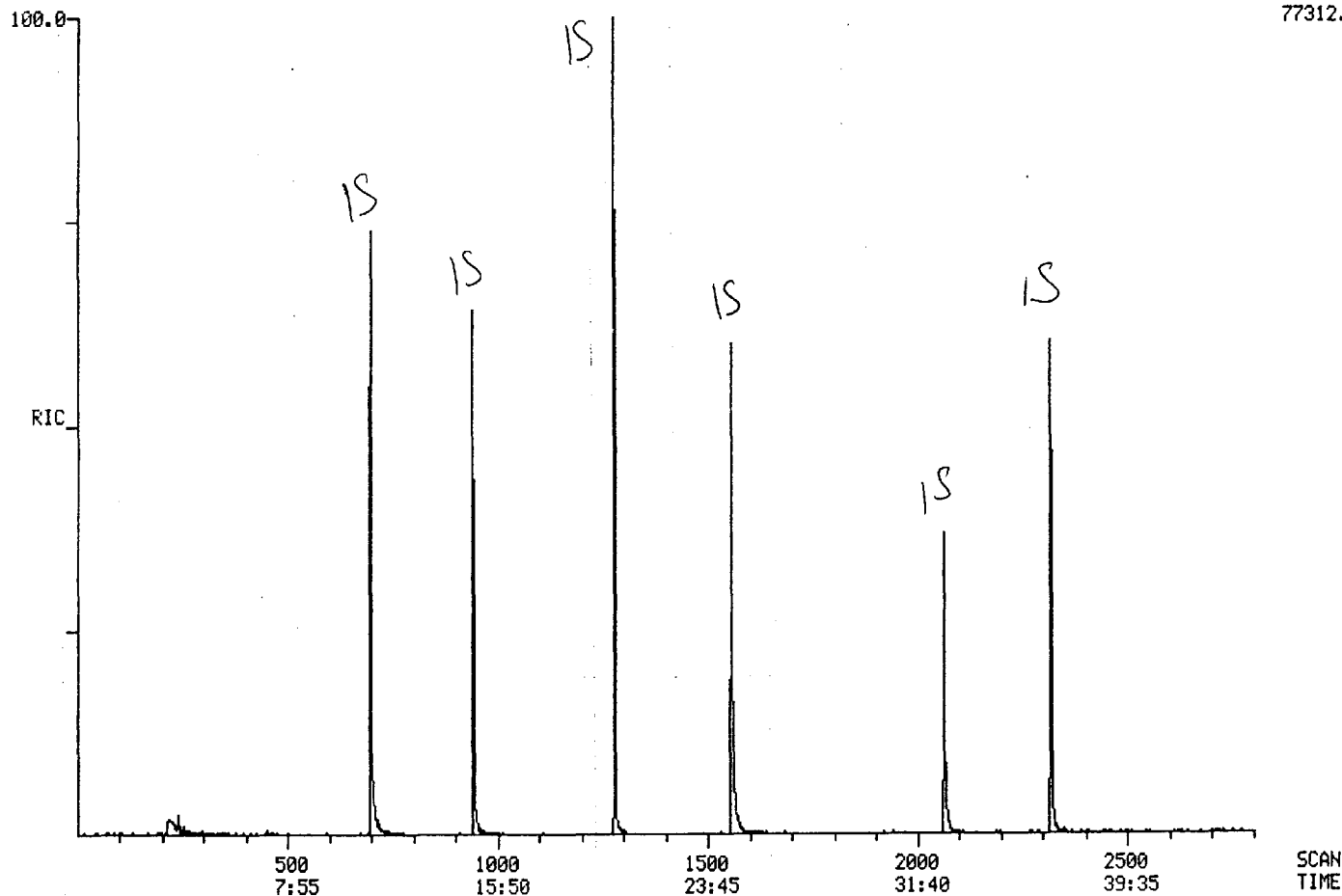
RANGE: G 1,2800 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3

DATA: EPABN1361 #1

SCANS 1 TO 2800

CALI: EPABN1361 #1

77312.



DATA: EPABN1361.TI

09/17/84 19:16:00

SAMPLE: 77113-7 1/10 ABN

SUBMITTED BY: ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* D-4 1,4-DICHLOROBENZENE
2	* D-8 NAPHTHALENE
3	* D-8 ACENAPHTHENE
4	* D-10 PHENANTHRENE
5	* D-12 CHRYSENF
6	* D-12 PERYLENF
7	2-FLUOROPHENOL (SURROGATE)
8	D-5 PHENOL (SURROGATE)
9	D-5 NITROBENZENE (SURROGATE)
10	2-FLUOROBIPHENYL (SURROGATE)
11	2,4,6-TRIBROMOPHENOL (SURROGATE)
12	D-14 TERPHENYL (SURROGATE)
13	N-NITROSODIMETHYLAMINE
14	2-CHLOROPHENOL
15	PHENOL
16	BIS (2-CHLOROETHYL) ETHER
17	1,3-DICHLOROBENZENE
18	1,4-DICHLOROBENZENE
19	1,2-DICHLOROBENZENE
20	HSL ANILINE
21	HSL BENZYL ALCOHOL
22	BIS(2-CHLOROISOPROPYL)ETHER
23	HEXACHLOROETHANE
24	N- NITROSODIPROPYLAMINE
25	NITROBENZENE
26	ISOPHORONE
27	2-NITROPHENOL
28	2,4-DIMETHYLPHENOL
29	BIS(2-CHLOROETHOXY)METHANE
30	2,4-DICHLOROPHENOL
31	1,2,4-TRICHLOROBENZENE
32	NAPHTHALENE
33	HEXACHLOROBTADIENE
34	P-CHLORO-M-CRESOL
35	HEXACHLOROCYCLOPENTADIENE
36	2,4,6-TRICHLOROPHENOL
37	HSL 2-METHYLPHENOL
38	HSL 4-METHYLPHENOL
39	HSL BENZOIC ACID
40	HSL 4-CHLOROANILINE
41	HSL 2-METHYLNAPHTHALENE
42	2-CHLORONAPHTHALENE
43	DIMETHYL PHTHALATE
44	ACENAPHTHYLENE
45	2,6-DINITROTOLUENE
46	ACENAPHTHENE

001036

NO	NAME
47	2,4-DINITROPHENOL
48	4-NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLORO BENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

001987

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HSHT)	AMOUNT	%TOT
1	152	699	11:04	1	1.000	A BV	21325.	40.000 UG/ML	16.71
2	136	942	14:55	2	1.000	A BB	50718.	40.000 UG/ML	16.71
3	164	1280	20:16	3	1.000	A BV	33937.	40.000 UG/ML	16.71
4	188	1558	24:40	4	1.000	A BB	32489.	40.000 UG/ML	16.71
5	240	2065	32:42	5	1.000	A BB	30900.	40.000 UG/ML	16.71
6	264	2320	36:44	6	1.000	A BB	59094.	40.000 UG/ML	16.71
7	NOT	FOUND							
8	NOT	FOUND							
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	NOT	FOUND							
34	NOT	FOUND							
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	NOT	FOUND							
50	NOT	FOUND							
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							

001988

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001209

Sample Number

F4230MS

Organics Analysis Data Sheet (Page 1)

Laboratory Name: U.S. Testing
Lab Sample ID No: 7711315MS
Sample Matrix: Soil
Data Release Authorized By: je

Case No: 3089
QC Report No: 113
Contract No: 68-01-6780
Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH

Percent Moisture: 28

Percent Moisture (Decanted):

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	14 u
74-83-9	Bromomethane	14
75-01-4	Vinyl Chloride	14
75-00-3	Chloroethane	14
75-09-2	Methylene Chloride	75
67-64-1	Acetone	74
75-15-0	Carbon Disulfide	71
75-35-4	1, 1-Dichloroethene	7
75-34-3	1, 1-Dichloroethane	7
156-60-5	Trans-1, 2-Dichloroethene	7
67-66-3	Chloroform	7
107-06-2	1, 2-Dichloroethane	7
78-93-3	2-Butanone	14
71-55-6	1, 1, 1-Trichloroethane	138
56-23-5	Carbon Tetrachloride	7
108-05-4	Vinyl Acetate	14
75-27-4	Bromodichloromethane	7

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	7 u
78-87-5	1, 2-Dichloropropane	7
10061-02-6	Trans-1, 3-Dichloropropene	7
79-01-6	Trichloroethene	7
124-48-1	Dibromochloromethane	7
79-00-5	1, 1, 2-Trichloroethane	7
71-43-2	Benzene	7
10061-01-5	cis-1, 3-Dichloropropene	7
110-75-8	2-Chloroethylvinylether	7
75-25-2	Bromoform	14
591-78-6	2-Hexanone	7
108-10-1	4-Methyl-2-Pentanone	63
127-18-4	Tetrachloroethene	46
108-88-3	Toluene	7 u
108-90-7	Chlorobenzene	7
100-41-4	Ethylbenzene	7
100-42-5	Styrene	7
	Total Xylenes	7

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the
definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U: Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

001090

Sample Number

F4127-MS

Organics Analysis Data Sheet

(Page 2)

Semivolatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/17/84

Conc/Dil Factor: 2ug -> 1ml; 10x dil

001991

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	
108-95-2	Phenol	
62-53-3	Aniline	
111-44-4	bis(2-Chloroethyl)Ether	
95-57-8	2-Chlorophenol	
541-73-1	1, 3-Dichlorobenzene	
106-46-7	1, 4-Dichlorobenzene	
100-51-6	Benzyl Alcohol	
95-50-1	1, 2-Dichlorobenzene	
95-48-7	2-Methylphenol	
39638-32-9	bis(2-chloroisopropyl)Ether	
106-44-5	4-Methylphenol	
621-64-7	N-Nitroso-Di-n-Propylamine	
67-72-1	Hexachloroethane	
98-95-3	Nitrobenzene	
78-59-1	Isophorone	
88-75-5	2-Nitrophenol	
105-67-9	2, 4-Dimethylphenol	
65-85-0	Benzoic Acid	
111-91-1	bis(2-Chloroethoxy)Methane	
120-83-2	2, 4-Dichlorophenol	
120-82-1	1, 2, 4-Trichlorobenzene	
91-20-3	Naphthalene	
106-47-8	4-Chloroaniline	
87-68-3	Hexachlorobutadiene	
59-50-7	4-Chloro-3-Methylphenol	
91-57-6	2-Methylnaphthalene	
77-47-4	Hexachlorocyclopentadiene	
88-06-2	2, 4, 6-Trichlorophenol	
95-95-4	2, 4, 5-Trichlorophenol	
91-58-7	2-Chloronaphthalene	
88-74-4	2-Nitroaniline	
131-11-3	Dimethyl Phthalate	
208-96-8	Acenaphthylene	

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	
51-28-5	2, 4-Dinitrophenol	
100-02-7	4-Nitrophenol	
132-64-9	Dibenzofuran	
121-14-2	2, 4-Dinitrotoluene	
606-20-2	2, 6-Dinitrotoluene	
84-66-2	Diethylphthalate	
7005-72-3	4-Chlorophenyl-phenylether	
86-73-7	Fluorene	
100-01-6	4-Nitroaniline	
534-52-1	4, 6-Dinitro-2-Methylphenol	
86-30-6	N-Nitrosodiphenylamine (1)	
101-55-3	4-Bromophenyl-phenylether	
118-74-1	Hexachlorobenzene	
87-86-5	Pentachlorophenol	
85-01-8	Phenanthrene	
120-12-7	Anthracene	
84-74-2	Di-n-Butylphthalate	
206-44-0	Fluoranthene	
92-87-5	Benzidine	
129-00-0	Pyrene	
85-68-7	Butylbenzylphthalate	
91-94-1	3, 3'-Dichlorobenzidine	
56-55-3	Benzo(a)Anthracene	
117-81-7	bis(2-Ethylhexyl)Phthalate	
218-01-9	Chrysene	
117-84-0	Di-n-Octyl Phthalate	
205-99-2	Benzo(b)Fluoranthene	
207-08-9	Benzo(k)Fluoranthene	
50-32-8	Benzo(a)Pyrene	
193-39-5	Indeno(1, 2, 3-cd)Pyrene	
53-70-3	Dibenz(a, h)Anthracene	
191-24-2	Benzo(g, h, i)Perylene	

Sample Number

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

001002

260400

RIC

08/19/84 6:08:00

SAMPLE: 77113-15 MS

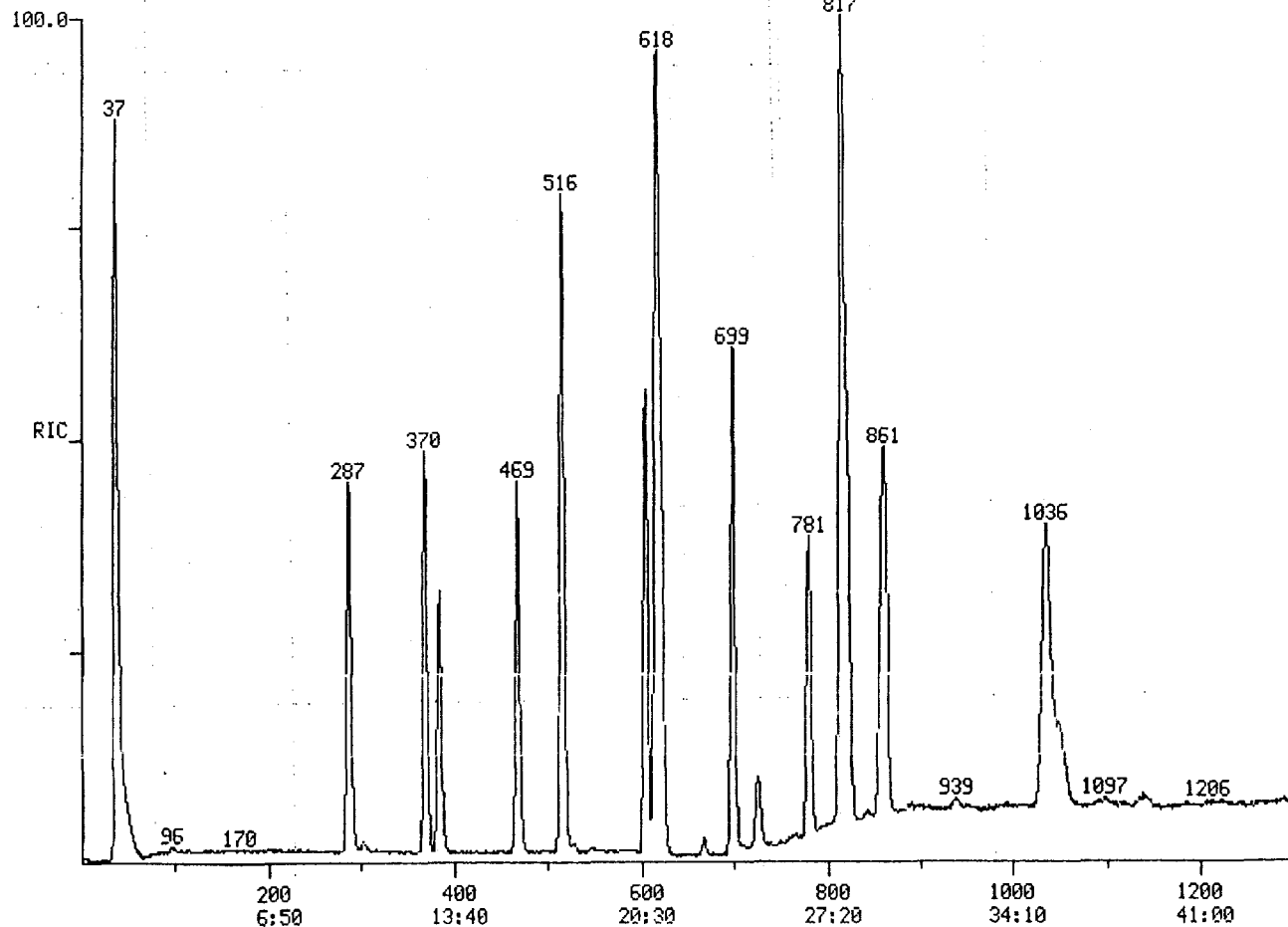
CONDS.:

RANGE: G 1,1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPA00A1722 #1

SCANS 1 TO 1300

CALI: EPA00A1722 #1



QUANTITATION REPORT

FILE: EPAVOA1722

DATA: EPAVOA1722.TI

08/19/84 6:08:00

SAMPLE: 77113-15 MS

SUBMITTED BY: USTCO

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)
RESP. FAC. FROM AVERAGE OF WHOLE . RL

NO NAME

1	*	BROMOCHLORMETHANE (INTERNAL STANDARD)
2	*	P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	*	DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4		CHLOROMETHANE
5		BROMOMETHANE
6		VINYL CHLORIDE
7		CHLOROETHANE
8		METHYLENE CHLORIDE
9		ACROLEIN
10		ACRYLONITRILE
11		1,1-DICHLOROETHYLENE
12		1,1-DICHLOROETHANE
13		TRANS-1,2-DICHLOROETHYLENE
14		CHLOROFORM
15		1,2-DICHLOROETHANE
16		1,1,1-TRICHLOROETHANE
17	HSL	ACETONE
18	HSL	CARBON DISULFIDE
19		CARBON TETRACHLORIDE
20		BROMODICHLOROMETHANE
21		1,2-DICHLOROPROPANE
22		TRANS-1,3-DICHLOROPROPYLENE
23		TRICHLOROETHYLENE
24		BENZENE
25		DIBROMOCHLOROMETHANE
26		1,1,2-TRICHLOROETHANE
27		CIS-1,3-DICHLOROPROPYLENE
28		2-CHLOROETHYL VINYL ETHER
29		BROMOFORM
30	HSL	METHYL ETHYL KETONE
31	HSL	VINYL ACETATE
32	HSL	METHYL ISOBUTYL KETONE
33		1,2-DICHLOROETHANE-D4 (SURROGATE)
34		BENZENE-D6 (SURROGATE)
35		DIBROMOTETRAFLUOROETHANE (SURROGATE)
36		BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37		FLUOROBENZENE (SURROGATE)
38		TETRACHLOROETHYLENE
39		1,1,2,2-TETRACHLOROETHANE
40		TOLUENE
41		CHLOROBENZENE
42		ETHYLBENZENE
43	HSL	2-HEXANONE
44	HSL	STYRENE
45	HSL	O-XYLENE
46	HSL	M-XYLENE

001024

NO	NAME
47	M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48	D-5 ETHYLBENZENE (SURROGATE)
49	TOLUENE-DB (SURROGATE)
50	P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA (HIGHT)	AMOUNT	%TOT
1	130	385	13:09	1	1.000	A BB	50103.	50.000 UG/L	4.93
2	114	699	23:53	2	1.000	A BB	230407.	50.000 UG/L	4.93
3	117	858	29:19	3	1.000	A BB	100748.	50.000 UG/L	4.93
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								
8	84	287	9:48	1	0.745	A BB	95372.	53.564 UG/L	5.28
9	NOT FOUND								
10	NOT FOUND								
11	61	370	12:38	1	0.961	A BB	116910.	62.557 UG/L	6.17
12	NOT FOUND								
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	97	516	17:38	1	1.340	A BB	231014.	98.634 UG/L	9.73

001305

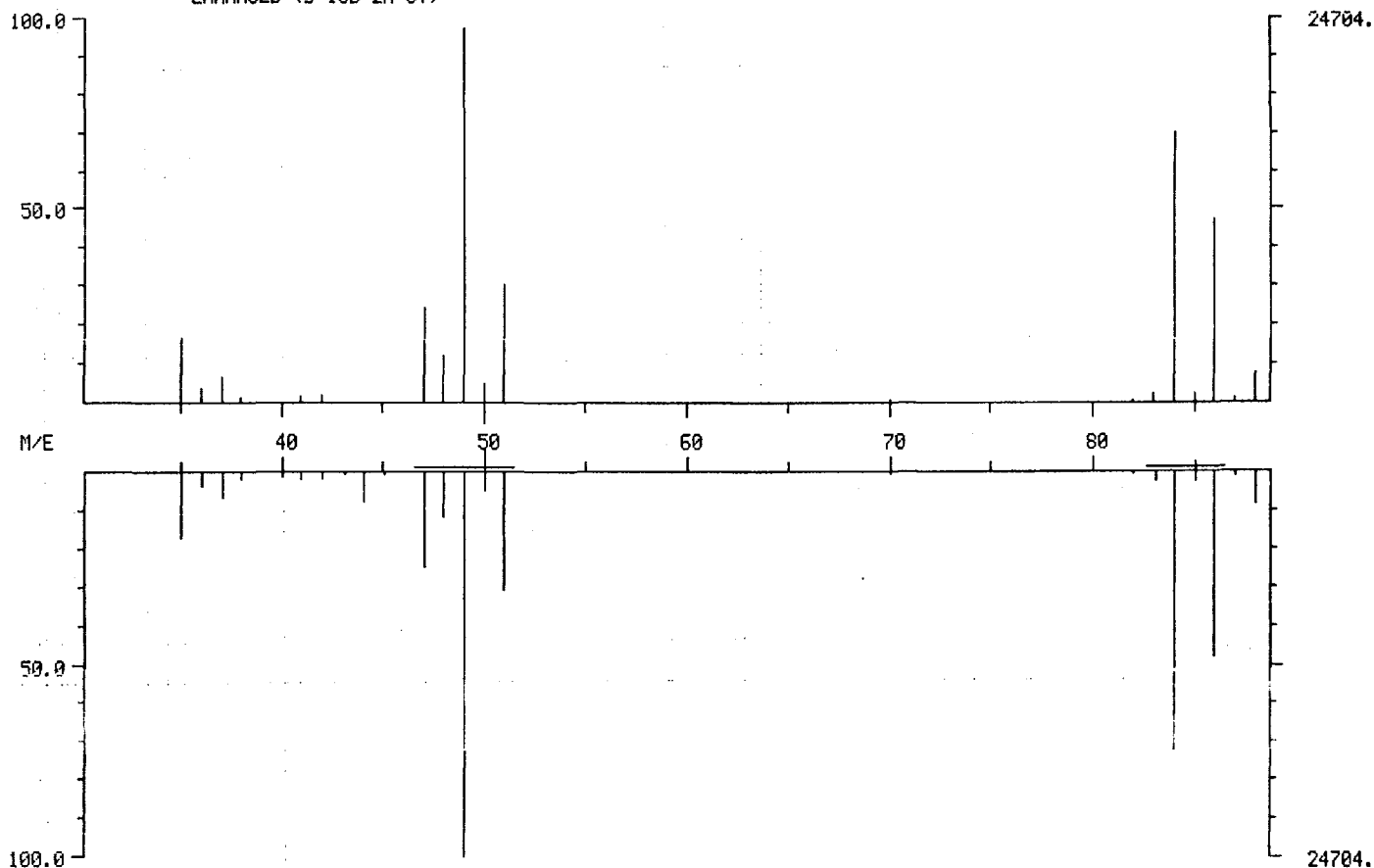
pm

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	95	606	20:42	2	0.867	A BB	97014.	42.629 UG/L	4.21
24	78	622	21:15	2	0.890	A BB	207121.	44.464 UG/L	4.39
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	43	725	24:46	2	1.037	A BB	41561.	45.540 UG/L	4.49
33	65	469	16:01	2	0.671	A BB	189218.	86.160 UG/L	8.50
34	84	617	21:05	2	0.883	A VB	419548.	94.504 UG/L	9.32
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	166	781	26:41	3	0.910	A BB	52173.	33.025 UG/L	3.26
39	NOT	FOUND							
40	91	822	28:05	3	0.958	A BB	197572.	57.735 UG/L	5.70
41	112	863	29:29	3	1.006	A BB	110880.	42.110 UG/L	4.15
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	816	27:53	3	0.951	A BB	359064.	125.837 UG/L	12.41
50	95	1036	35:24	3	1.207	A BB	151348.	77.176 UG/L	7.61

001000

DUAL MASS SPECTRUM
08/19/84 6:08:00 + 9:48
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1722 #287 BASE M/E: 49/ 49
CALI: EPA00A1722 #1 RIC: 81919./ 85527.

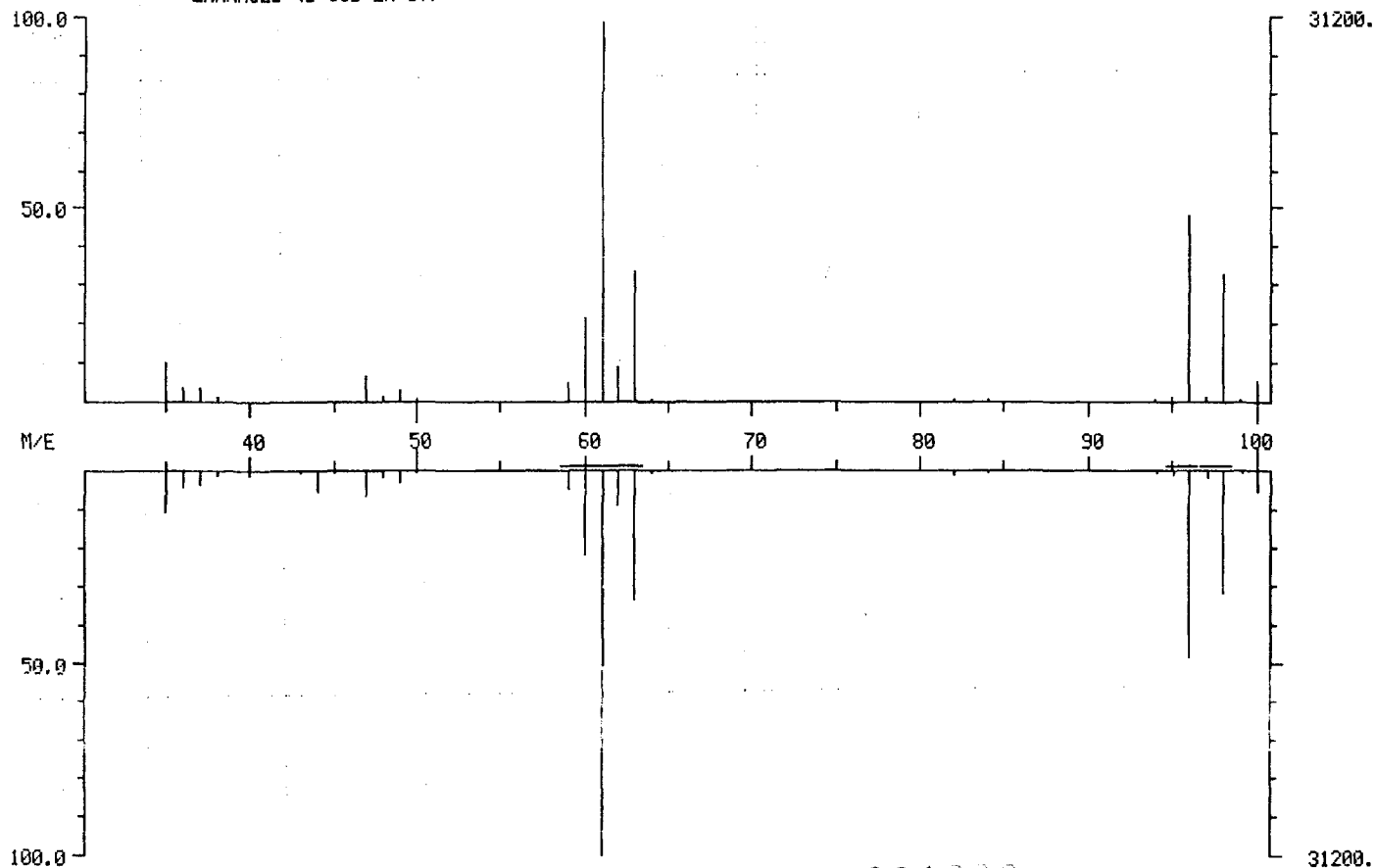


001997

24704.

DUAL MASS SPECTRUM
08/19/84 6:08:00 + 12:38
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

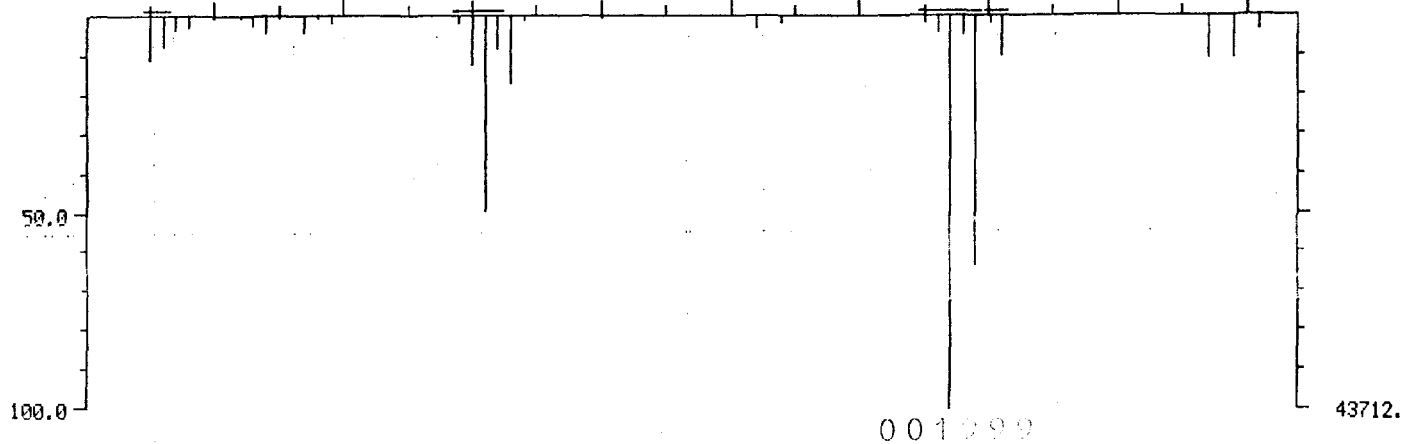
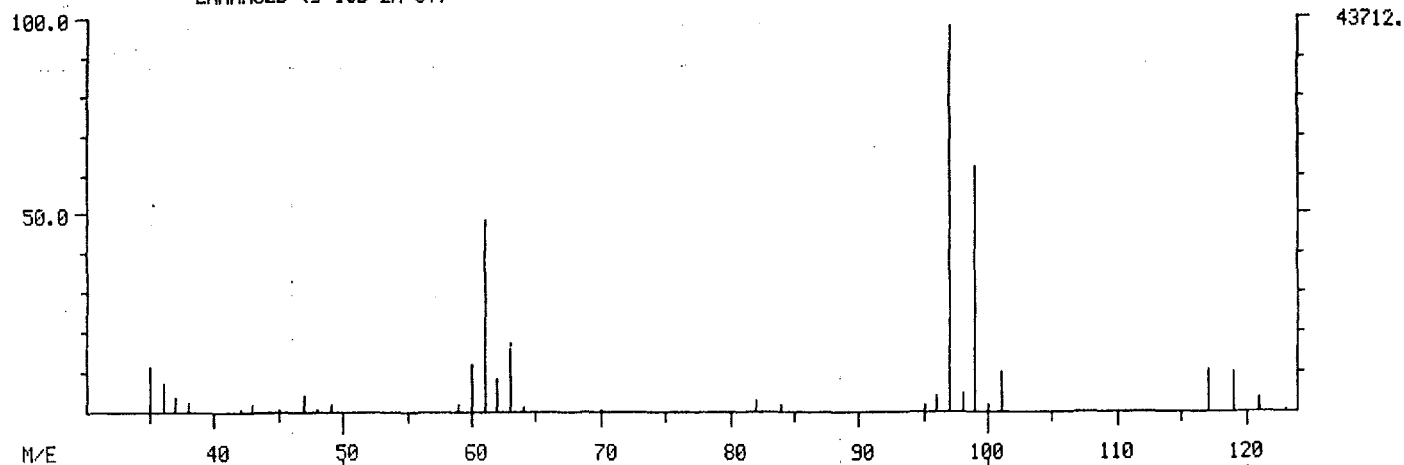
DATA: EPA00A1722 #370 BASE M/E: 61/ 61
CALI: EPA00A1722 #1 RIC: 89471./ 93823.



001220

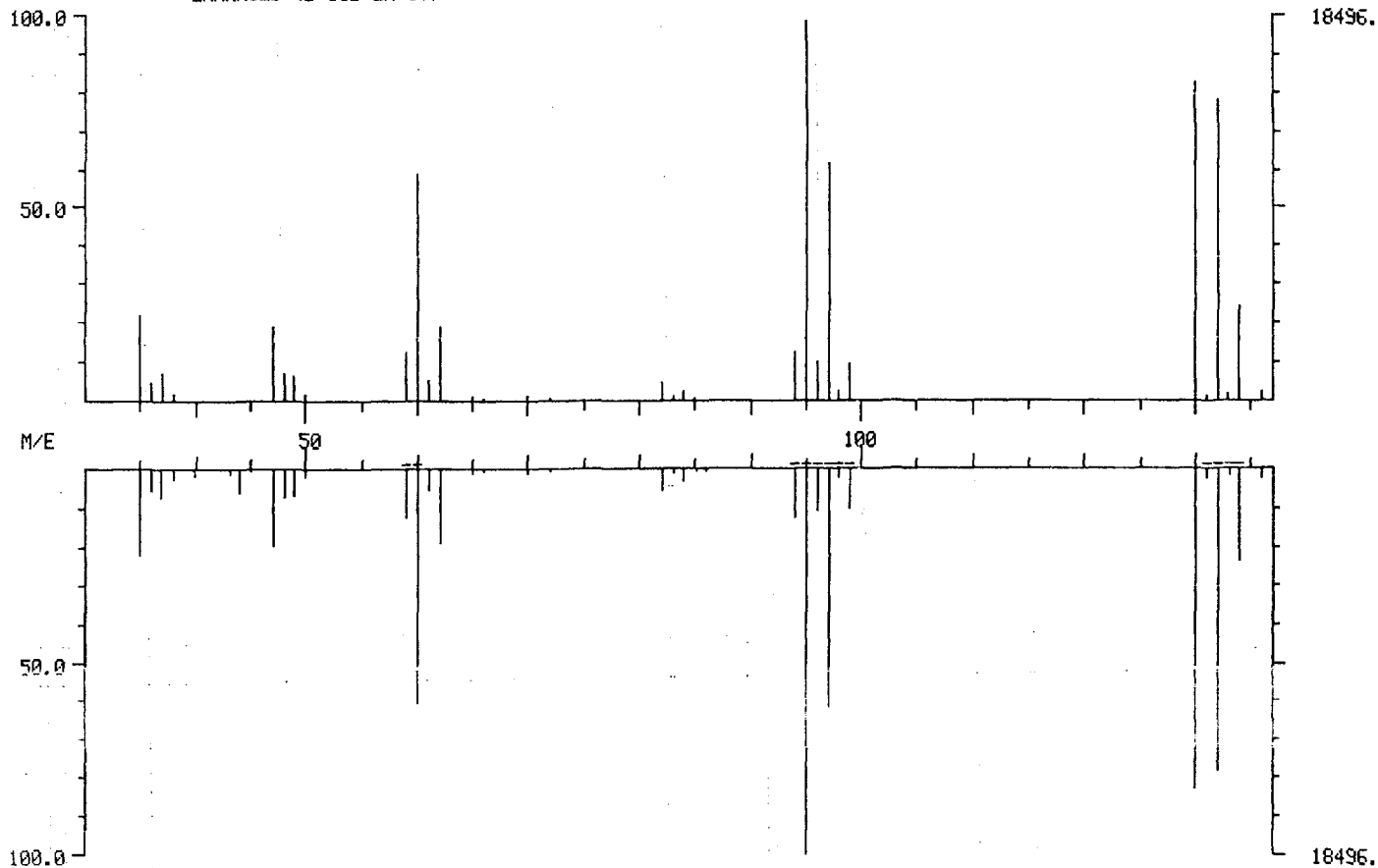
DUAL MASS SPECTRUM
08/19/84 6:08:00 + 17:38
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1722 #516 BASE M/E: 97/ 97
CALI: EPAU0A1722 #1 RIC: 146687./ 151907.



DUAL MASS SPECTRUM
08/19/84 6:08:00 + 20:42
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

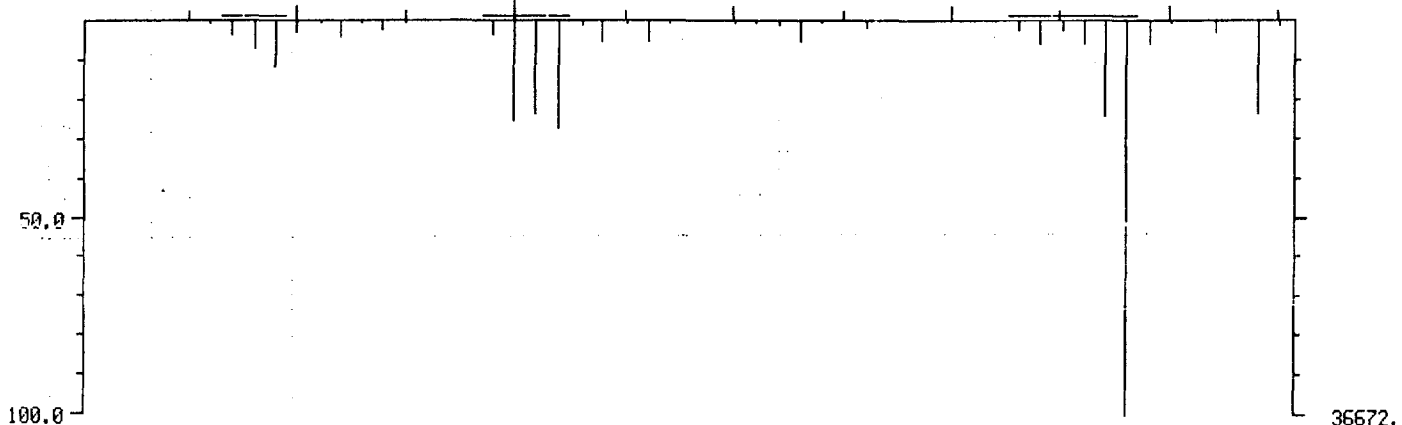
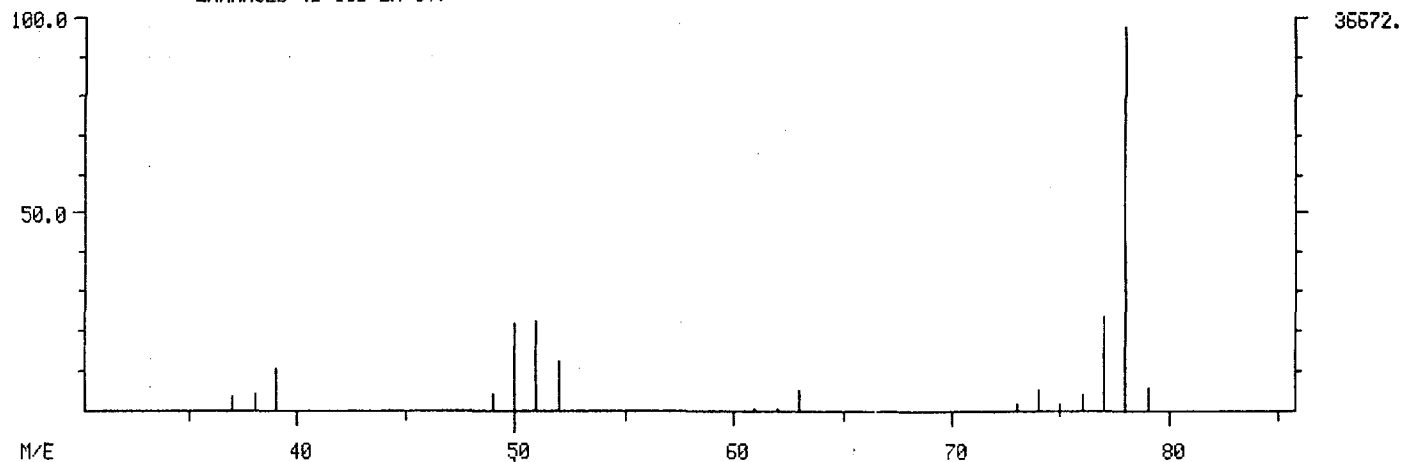
DATA: EPAU0A1722 #606 BASE M/E: 95/ 95
CALI: EPAU0A1722 #1 RIC: 103807./ 107519.



002000

DUAL MASS SPECTRUM
08/19/84 6:08:00 + 21:15
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

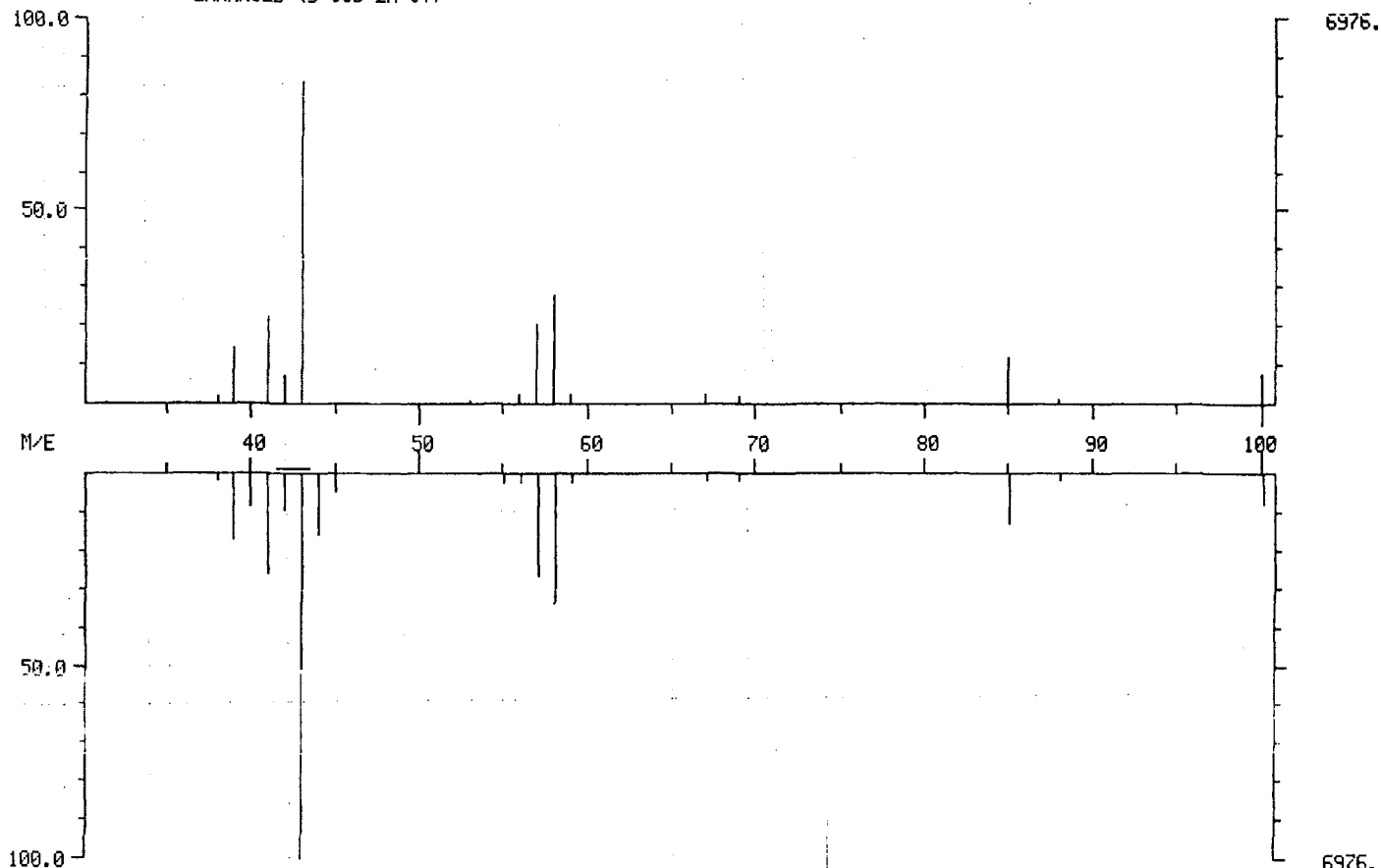
DATA: EPAU0A1722 #622 BASE M/E: 78/ 78
CALI: EPAU0A1722 #1 RIC: 93327./ 114175.



002001

DUAL MASS SPECTRUM
08/19/84 6:00:00 + 24:46
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

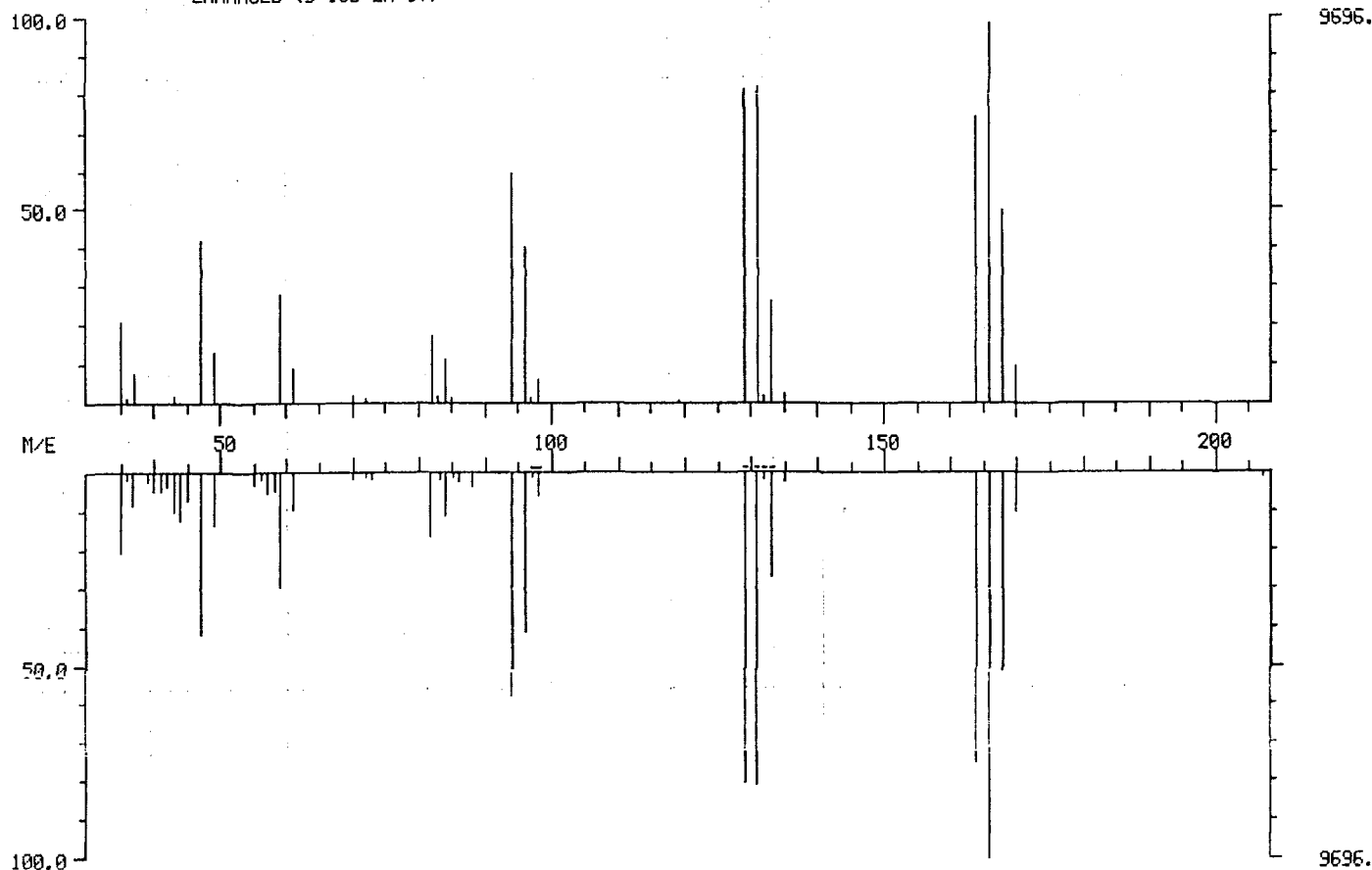
DATA: EPA00A1722 #725 BASE M/E: 43/ 43
CALI: EPA00A1722 #1 RIC: 14431./ 19263.



002002

DUAL MASS SPECTRUM
08/19/84 6:09:00 + 26:41
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1722 #781 BASE M/E: 166/ 166
CALI: EPAU0A1722 #1 RIC: 66943./ 74239.

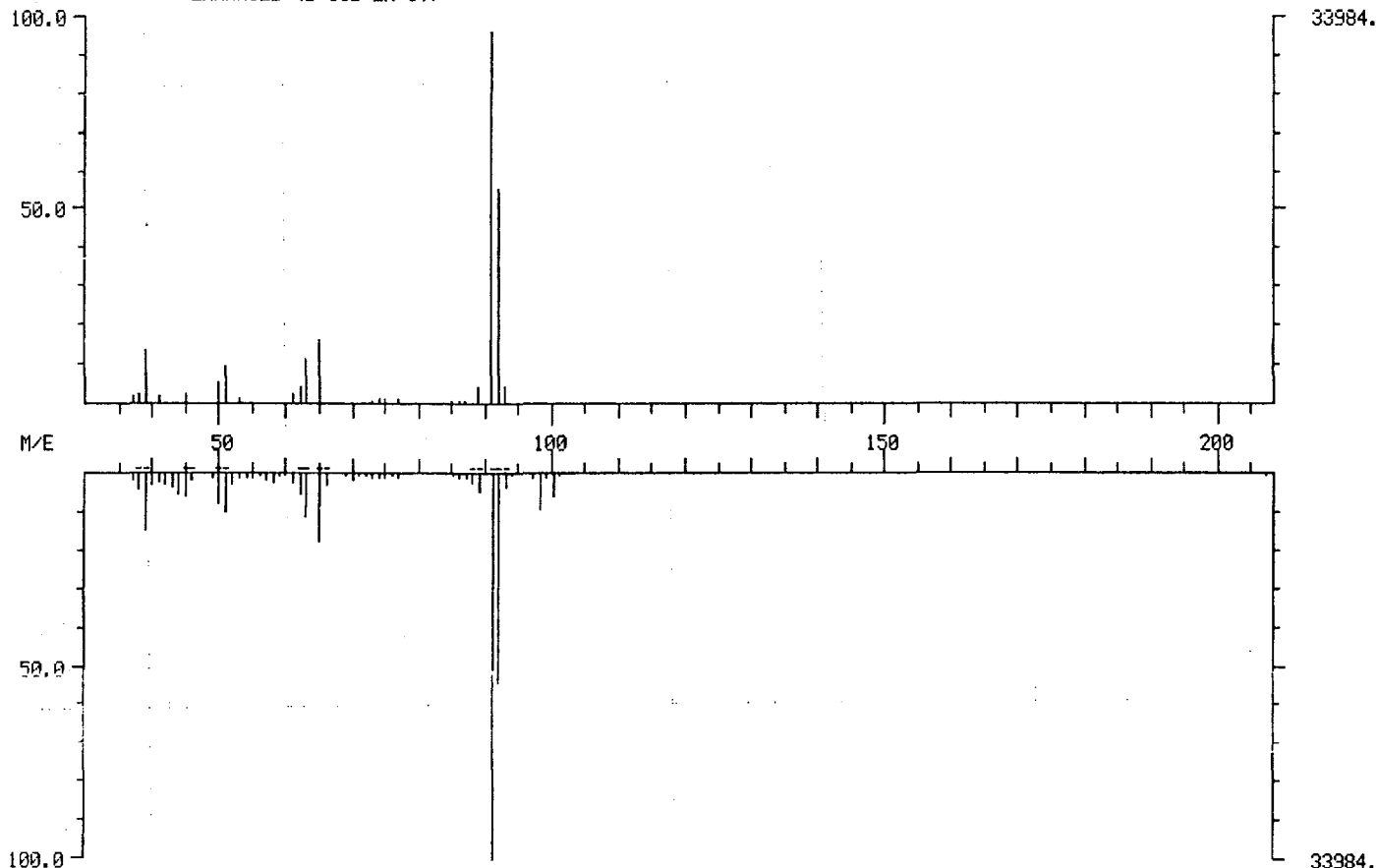


002005

9696.

DUAL MASS SPECTRUM
08/19/84 6:08:00 + 28:05
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPA00A1722 #822 BASE M/E: 91/ 91
CALI: EPA00A1722 #1 RIC: 90383./ 107135.

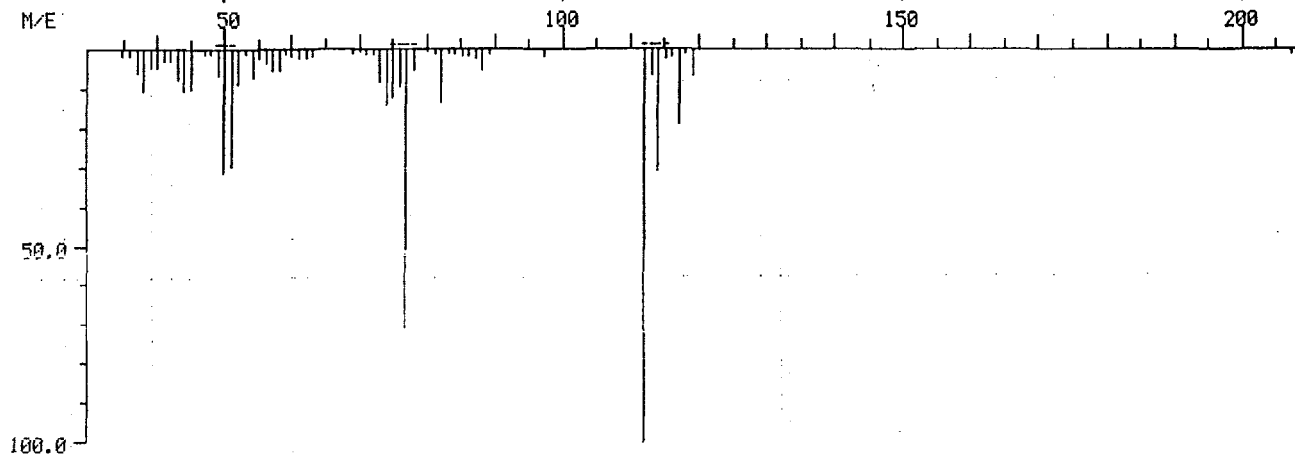
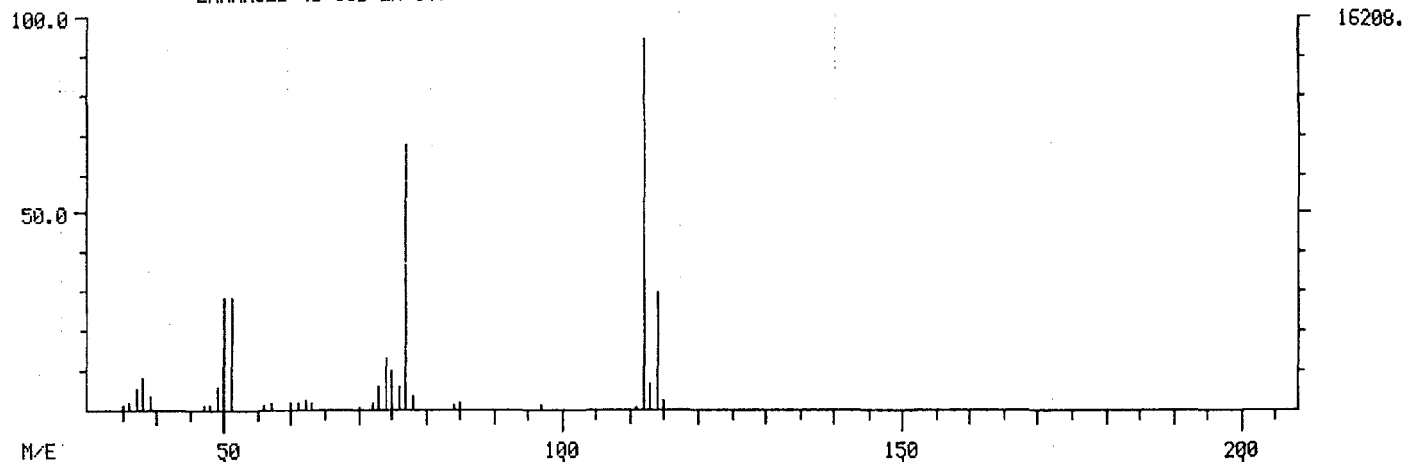


002004

DUAL MASS SPECTRUM
08/19/84 6:08:00 + 29:29
SAMPLE: 77113-15 MS
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPAU0A1722 #863
CALI: EPAU0A1722 #1

BASE M/E: 112/ 112
RIC: 55167./ 81919.



002005

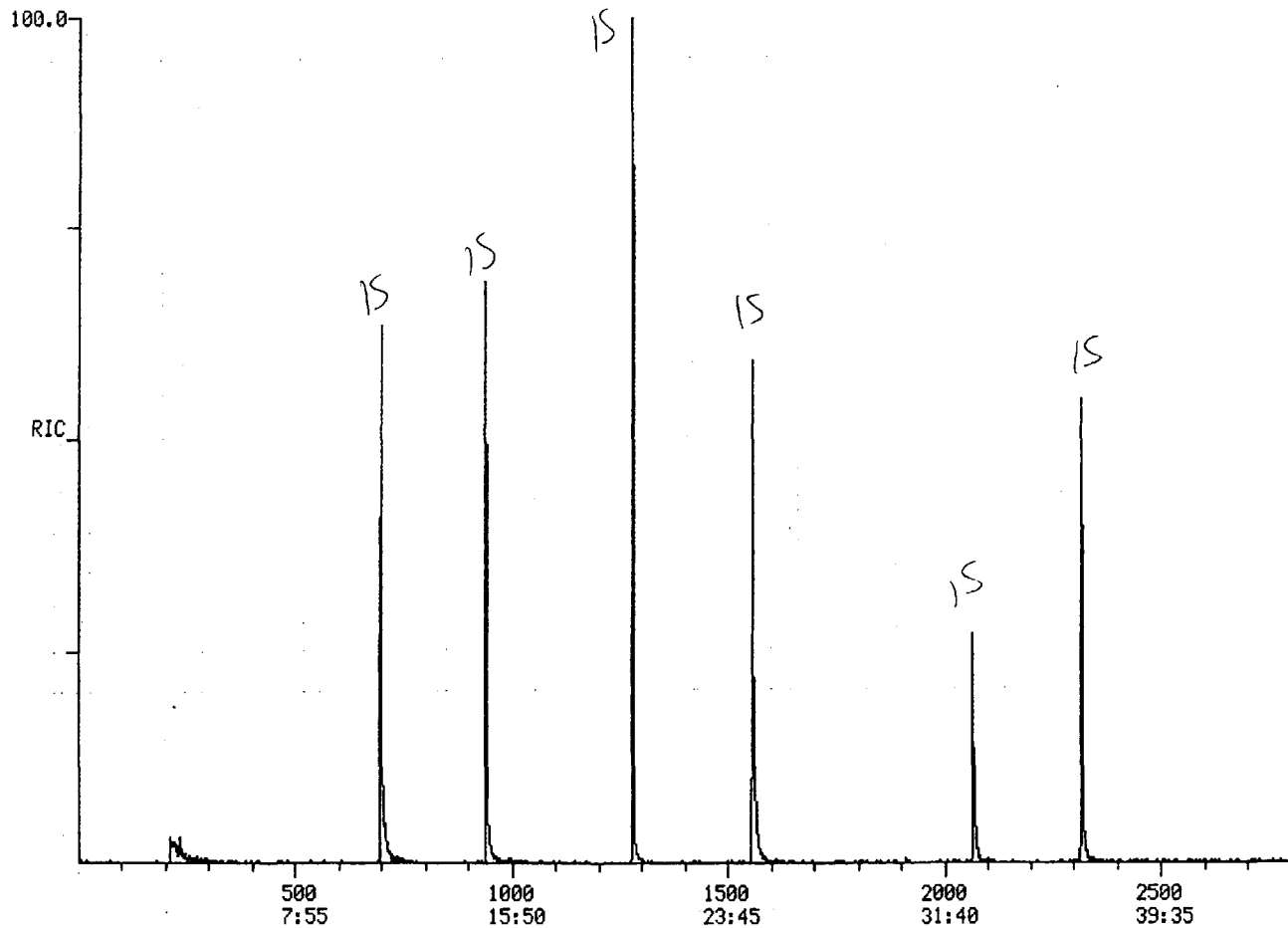
906200

RIC
09/17/84 18:18:00
SAMPLE: 77113-7 1/10
CONDS.:

DATA: EPABN1360 #1
CALI: EPABN1360 #1

SCANS 1 TO 2800

RANGE: G 1,2800 LABEL: N 2, 2.0 QUAN: A 2, 3.0 J 0 BASE: U 20, 3



QUANTITATION REPORT FILE: EPABN1360

DATA: EPABN1360.TI

09/17/84 18:18:00

SAMPLE: 77113-7 1/10

SUBMITTED BY:

ANALYST:

AMOUNT=AREA(HQHT) * REF. AMNT/(REF. AREA(HQHT)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* D-4 1,4-DICHLOROBENZENE
2	* D-8 NAPHTHALENE
3	* D-8 ACENAPHTHENE
4	* D-10 PHENANTHRENE
5	* D-12 CHRYSENE
6	* D-12 PERYLENE
7	2-FLUOROPHENOL (SURROGATE)
8	D-5 PHENOL (SURROGATE)
9	D-5 NITROBENZENE (SURROGATE)
10	2-FLUOROBIPHENYL (SURROGATE)
11	2,4,6-TRIBROMOPHENOL (SURROGATE)
12	D-14 TERPHENYL (SURROGATE)
13	N-NITROSODIMETHYLAMINE
14	2-CHLOROPHENOL
15	PHENOL
16	BIS(2-CHLOROETHYL) ETHER
17	1,3-DICHLOROBENZENE
18	1,4-DICHLOROBENZENE
19	1,2-DICHLOROBENZENE
20	HSL ANILINE
21	HSL BENZYL ALCOHOL
22	BIS(2-CHLOROISOPROPYL) ETHER
23	HEXACHLOROETHANE
24	N-NITROSODIPROPYLAMINE
25	NITROBENZENE
26	ISOPHORONE
27	2-NITROPHENOL
28	2,4-DIMETHYLPHENOL
29	BIS(2-CHLOROETHOXY) METHANE
30	2,4-DICHLOROPHENOL
31	1,2,4-TRICHLOROBENZENE
32	NAPHTHALENE
33	HEXACHLOROBUTADIENE
34	P-CHLORO-M-CRESOL
35	HEXACHLOROCYCLOPENTADIENE
36	2,4,6-TRICHLOROPHENOL
37	HSL 2-METHYLPHENOL
38	HSL 4-METHYLPHENOL
39	HSL BENZOIC ACID
40	HSL 4-CHLOROANILINE
41	HSL 2-METHYLNAPHTHALENE
42	2-CHLORONAPHTHALENE
43	DIMETHYL PHTHALATE
44	ACENAPHTHYLENE
45	2,6-DINITROTOLUENE
46	ACENAPHTHENE

002007

NO	NAME
47	2,4-DINITROPHENOL
48	4-NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLOROBENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

002003

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HIGHT)	AMOUNT	%TOT
1	152	699	11:04	1	1.000	A BV	16491.	40.000 UG/ML	16.72
2	136	942	14:55	2	1.000	A BB	34717.	40.000 UG/ML	16.72
3	164	1280	20:16	3	1.000	A BV	25606.	40.000 UG/ML	16.72
4	188	1559	24:41	4	1.000	A BB	39260.	40.000 UG/ML	16.72
5	240	2066	32:43	5	1.000	A BV	24930.	40.000 UG/ML	16.72
6	264	2320	36:44	6	1.000	A BB	38459.	40.000 UG/ML	16.72
7			NOT FOUND						
8			NOT FOUND						
9			NOT FOUND						
10			NOT FOUND						
11			NOT FOUND						
12			NOT FOUND						
13			NOT FOUND						
14			NOT FOUND						
15			NOT FOUND						
16			NOT FOUND						
17			NOT FOUND						
18			NOT FOUND						
19			NOT FOUND						
20			NOT FOUND						
21			NOT FOUND						
22			NOT FOUND						
23			NOT FOUND						
24			NOT FOUND						
25			NOT FOUND						
26			NOT FOUND						
27			NOT FOUND						
28			NOT FOUND						
29			NOT FOUND						
30			NOT FOUND						
31			NOT FOUND						
32			NOT FOUND						
33			NOT FOUND						
34			NOT FOUND						
35			NOT FOUND						
36			NOT FOUND						
37			NOT FOUND						
38			NOT FOUND						
39			NOT FOUND						
40			NOT FOUND						
41			NOT FOUND						
42			NOT FOUND						
43			NOT FOUND						
44			NOT FOUND						
45			NOT FOUND						
46			NOT FOUND						
47			NOT FOUND						
48			NOT FOUND						
49			NOT FOUND						
50			NOT FOUND						
51			NOT FOUND						
52			NOT FOUND						
53			NOT FOUND						
54			NOT FOUND						
55			NOT FOUND						
56			NOT FOUND						

002009

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

002010

Sample Number

Reagent Blank

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: US Testing
Lab Sample ID No: 77113-BIRI
Sample Matrix: Soil
Data Release Authorized By: jc

Case No: 3089
QC Report No: 113
Contract No: 68-01-6780
Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/18/84

Date Analyzed: 8/18/84

Conc/Dil Factor: 1 pH 7.0

Percent Moisture:

Percent Moisture (Decanted):

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 U
74-83-9	Bromomethane	10
75-01-4	Vinyl Chloride	10
75-00-3	Chloroethane	10
75-09-2	Methylene Chloride	5
67-64-1	Acetone	10
75-15-0	Carbon Disulfide	5
75-35-4	1, 1-Dichloroethene	5
75-34-3	1, 1-Dichloroethane	5
156-60-5	Trans-1, 2-Dichloroethene	5
67-66-3	Chloroform	5
107-06-2	1, 2-Dichloroethane	5
78-93-3	2-Butanone	10
71-55-6	1, 1, 1-Trichloroethane	5
56-23-5	Carbon Tetrachloride	5
108-05-4	Vinyl Acetate	10
75-27-4	Bromodichloromethane	5 V

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 U
78-87-5	1, 2-Dichloropropane	5
10061-02-6	Trans-1, 3-Dichloropropene	5
79-01-6	Trichloroethene	5
124-48-1	Dibromochloromethane	5
79-00-5	1, 1, 2-Trichloroethane	5
71-43-2	Benzene	5
10061-01-5	cis-1, 3-Dichloropropene	5
110-75-8	2-Chloroethylvinylether	10
75-25-2	Bromoform	5
591-78-6	2-Hexanone	10
108-10-1	4-Methyl-2-Pentanone	10
127-18-4	Tetrachloroethene	5
108-88-3	Toluene	5
108-90-7	Chlorobenzene	5
100-41-4	Ethylbenzene	5
100-42-5	Styrene	5
	Total Xylenes	5 V

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used.
Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

Value If the result is a value greater than or equal to the detection limit, report the value

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U. Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully

Sample Number

Reagent Blank

Organics Analysis Data Sheet
(Page 2)

Semivolatiles Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/23/84

Date Analyzed: 9/16/84

Conc/Dil Factor: 50g → 1ml

CAS Number		ug/l or ug/Kg (Circle One)
62-75-9	N-Nitrosodimethylamine	2500
108-95-2	Phenol	250
62-53-3	Aniline	250
111-44-4	bis(2-Chloroethyl)Ether	250
95-57-8	2-Chlorophenol	250
541-73-1	1, 3-Dichlorobenzene	250
106-46-7	1, 4-Dichlorobenzene	250
100-51-6	Benzyl Alcohol	250
95-50-1	1, 2-Dichlorobenzene	250
95-48-7	2-Methylphenol	250
39638-32-9	bis(2-chloroisopropyl)Ether	250
106-44-5	4-Methylphenol	250
621-64-7	N-Nitroso-Di-n-Propylamine	250
67-72-1	Hexachloroethane	250
98-95-3	Nitrobenzene	250
78-59-1	Isophorone	250
88-75-5	2-Nitrophenol	250
105-67-9	2, 4-Dimethylphenol	250
65-85-0	Benzoic Acid	1000
111-91-1	bis(2-Chloroethoxy)Methane	250
120-83-2	2, 4-Dichlorophenol	250
120-82-1	1, 2, 4-Trichlorobenzene	250
91-20-3	Naphthalene	250
106-47-8	4-Chloroaniline	250
87-68-3	Hexachlorobutadiene	250
59-50-7	4-Chloro-3-Methylphenol	250
91-57-6	2-Methylnaphthalene	250
77-47-4	Hexachlorocyclopentadiene	250
88-06-2	2, 4, 6-Trichlorophenol	250
95-95-4	2, 4, 5-Trichlorophenol	1000
91-58-7	2-Chloronaphthalene	250
88-74-4	2-Nitroaniline	1000
131-11-3	Dimethyl Phthalate	250

CAS Number		ug/l or ug/Kg (Circle One)
83-32-9	Acenaphthene	250
51-28-5	2, 4-Dinitrophenol	1000
100-02-7	4-Nitrophenol	1000
132-64-9	Dibenzofuran	250
121-14-2	2, 4-Dinitrotoluene	250
606-20-2	2, 6-Dinitrotoluene	250
84-66-2	Diethylphthalate	250
7005-72-3	4-Chlorophenyl-phenylether	250
86-73-7	Fluorene	250
100-01-6	4-Nitroaniline	1000
534-52-1	4, 6-Dinitro-2-Methylphenol	1000
86-30-6	N-Nitrosodiphenylamine (1)	250
101-55-3	4-Bromophenyl-phenylether	250
118-74-1	Hexachlorobenzene	250
87-86-5	Pentachlorophenol	1000
85-01-8	Phenanthrene	250
120-12-7	Anthracene	250
84-74-2	Di-n-Butylphthalate	250
206-44-0	Fluoranthene	250
92-87-5	Benidine	1000
129-00-0	Pyrene	250
85-68-7	Butylbenzylphthalate	250
91-94-1	3, 3'-Dichlorobenzidine	1000
56-55-3	Benzo(a)Anthracene	250
117-81-7	bis(2-Ethylhexyl)Phthalate	250
218-01-9	Chrysene	250
117-84-0	Di-n-Octyl Phthalate	250
205-99-2	Benzo(b)Fluoranthene	250
207-08-9	Benzo(k)Fluoranthene	250
50-32-8	Benzo(a)Pyrene	250
193-39-5	Indeno(1, 2, 3-cd)Pyrene	250
53-70-3	Dibenz(a, h)Anthracene	250
191-24-2	Benzo(b,h,i)Perylene	250

002012

Sample Number

Reagent Blank

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

002015

002014

RIC

08/18/84 21:23:00

SAMPLE: 77113-BLANK

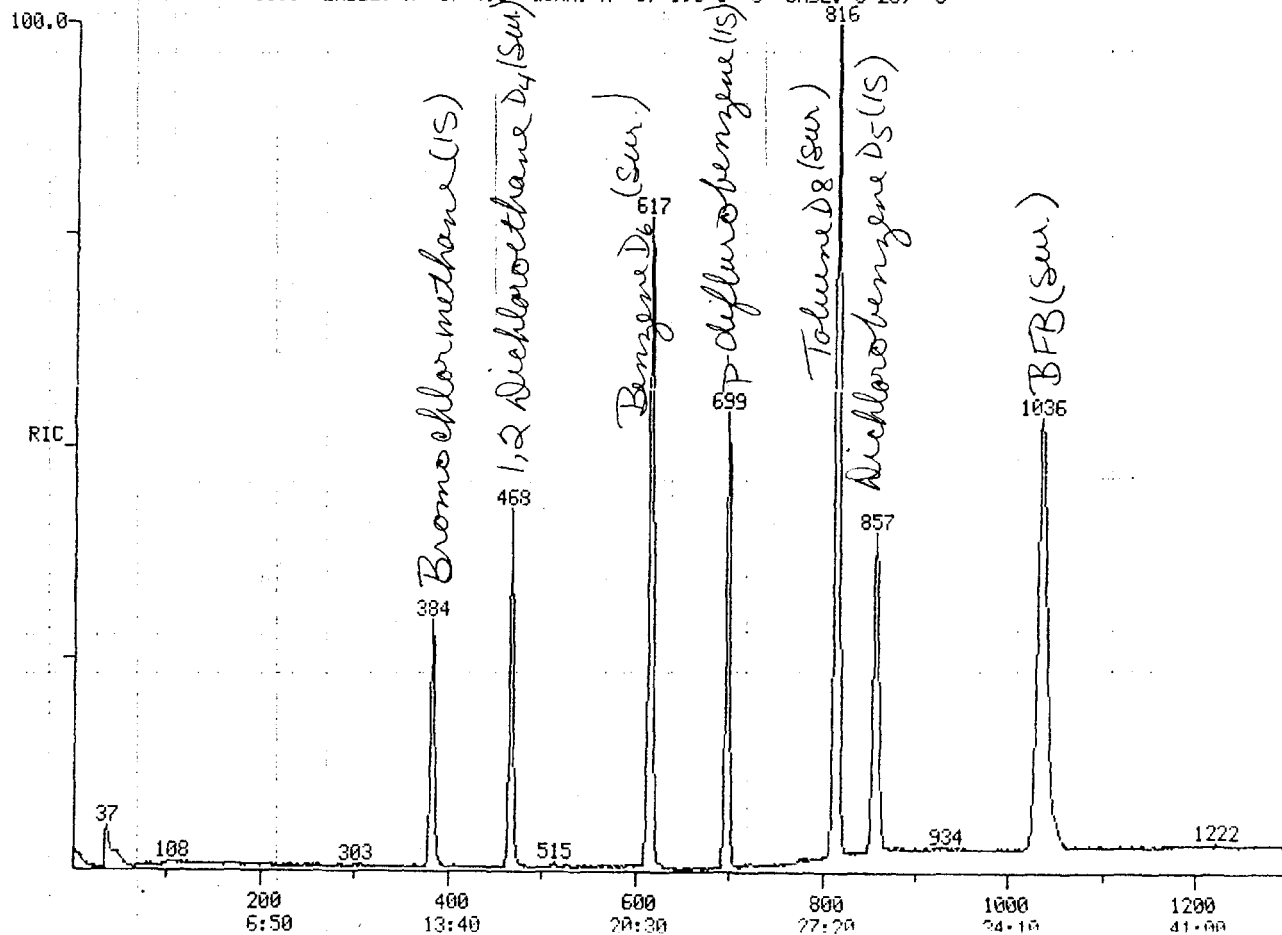
COND.S:

RANGE: G 1,1300 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: EPA00A1717 #1

SCANS 1 TO 1300

CALI: EPA00A1717 #1



418815.

SCAN
TIME

QUANTITATION REPORT FILE: EPAVOA1717

DATA: EPAVOA1717.TI

08/18/84 21:23:00

SAMPLE: 77113-BLANK

SUBMITTED BY: USTCO

ANALYST: RJW

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1,1-DICHLOROETHYLENE
12	1,1-DICHLOROETHANE
13	TRANS-1,2-DICHLOROETHYLENE
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	1,1,1-TRICHLOROETHANE
17	HSL ACEONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLOROMETHANE
26	1,1,2-TRICHLOROETHANE
27	CIS-1,3-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL ISOBUTYL KETONE
33	1,2-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1,1,2,2'-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

002015

NO	NAME
47	M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48	D-5 ETHYLBENZENE (SURROGATE)
49	TOLUENE-D8 (SURROGATE)
50	P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	384	13:07	1	1.000	A BB	107878.	50.000 UG/L	9.66
2	114	699	23:53	2	1.000	A BB	440907.	50.000 UG/L	9.66
3	117	857	29:17	3	1.000	A BB	284791.	50.000 UG/L	9.66
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								

002016

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
8	NOT	FOUND							
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	65	468	15:59	2	0.670	A BB	379961.	90.413 UG/L	17.47
34	84	617	21:05	2	0.883	A BB	748701.	88.130 UG/L	17.03
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	815	27:51	3	0.951	A BB	808970.	100.295 UG/L	19.38
50	95	1036	35:24	3	1.209	A BB	491932.	88.741 UG/L	17.15

002017

000200

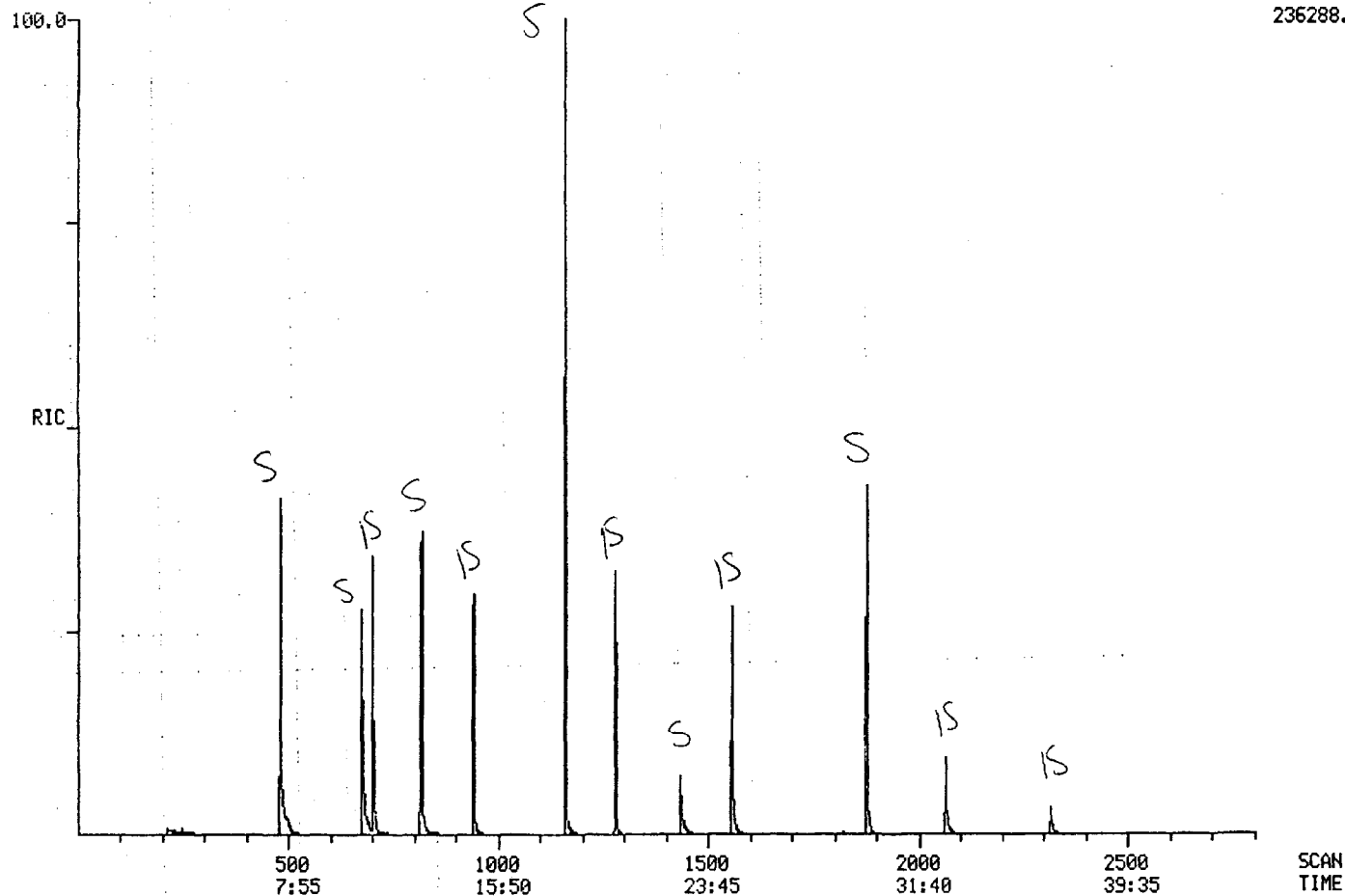
RIC
09/16/84 22:35:00
SAMPLE: BLANK ABN
COND.:
RANGE: G 1.2800 LABEL: N 2, 2.0

DATA: EPABN1352 #1
CALI: EPABN1352 #1

SCANS 1 TO 2800

QUAN: A 2, 3.0 J 0 BASE: U 20, 3

236288.



QUANTITATION REPORT FILE: EPABN1352

DATA: EPABN1352.TI

09/16/84 22:36:00

SAMPLE: BLANK ARN

SUBMITTED BY:

ANALYST:

AMOUNT=AREA(HGHT) * REF. AMNT/(REF. AREA(HGHT)* RESP. FACT)

RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	*
2	*
3	*
4	*
5	*
6	*
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	HSL
21	HSL
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	HSL
38	HSL
39	HSL
40	HSL
41	HSL
42	
43	
44	
45	
46	

D-4 1,4-DICHLORO BENZENE
D-8 NAPHTHALENE
D-8 ACENAPHTHENE
D-10 PHENANTHRENE
D-12 CHRYSENE
D-12 PERYLENE
2-FLUOROPHENOL (SURROGATE)
D-5 PHENOL (SURROGATE)
D-5 NITROBENZENE (SURROGATE)
2-FLUOROBIPHENYL (SURROGATE)
2,4,6-TRIBROMOPHENOL (SURROGATE)
D-14 TERPHENYL (SURROGATE)
N-NITROSODIMETHYLAMINE
2-CHLOROPHENOL
PHENOL
BIS (2-CHLOROETHYL) ETHER
1,3-DICHLORO BENZENE
1,4-DICHLORO BENZENE
1,2-DICHLORO BENZENE
ANILINE
BENZYL ALCOHOL
BIS(2-CHLOROISOPROPYL) ETHER
HEXACHLOROETHANE
N-NITROSODIPROPYLAMINE
NITROBENZENE
ISOPHORONE
2-NITROPHENOL
2,4-DIMETHYLPHENOL
BIS(2-CHLOROETHOXY) METHANE
2,4-DICHLOROPHENOL
1,2,4-TRICHLORO BENZENE
NAPHTHALENE
HEXACHLOROBUTADIENE
P-CHLORO-M-CRESOL
HEXACHLOROCYCLOPENTADIENE
2,4,6-TRICHLOROPHENOL
2-METHYLPHENOL
4-METHYLPHENOL
BENZOIC ACID
4-CHLOROANILINE
2-METHYLNAPHTHALENE
2-CHLORONAPHTHALENE
DIMETHYL PHTHALATE
ACENAPHTHYLENE
2,6-DINITROTOLUENE
ACENAPHTHENE

002019

NO	NAME
47	2,4-DINITROPHENOL
48	4-NITROPHENOL
49	2,4-DINITROTOLUENE
50	FLUORENE
51	4-CHLOROPHENYL PHENYL ETHER
52	DIETHYL PHTHALATE
53	4,6-DINITRO-2-METHYLPHENOL
54	N-NITROSODIPHENYLAMINE
55	1,2-DIPHENYLHYDRAZINE
56	4-BROMOPHENYL PHENYL ETHER
57	HEXACHLOROBENZENE
58	PENTACHLOROPHENOL
59	PHENANTHRENE
60	ANTHRACENE
61	DI-N-BUTYL PHTHALATE
62	FLUORANTHENE
63	HSL 2,4,5-TRICHLOROPHENOL
64	HSL 2-NITROANILINE
65	HSL 3-NITROANILINE
66	HSL DIBENZOFURAN
67	HSL 4-NITROANILINE
68	BENZIDINE
69	PYRENE
70	BENZYL BUTYL PHTHALATE
71	BENZO(A)ANTHRACENE
72	3,3'-DICHLOROBENZIDINE
73	CHRYSENE
74	BIS(2-ETHYLHEXYL) PHTHALATE
75	DI-N-OCTYL PHTHALATE
76	BENZO(B)FLUORANTHENE
77	BENZO(K)FLUORANTHENE
78	BENZO(A)PYRENE
79	INDENO(1,2,3-CD)PYRENE
80	DIBENZO(A,H)ANTHRACENE
81	BENZO(GHI)PERYLENE

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
----	-----	------	------	-----	-----	------	------------	--------	------

002020

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	152	702	11:07	1	1.000	A BB	29547.	40.000 UG/ML	4.60
2	136	942	14:55	2	1.000	A BB	68417.	40.000 UG/ML	4.60
3	164	1279	20:15	3	1.000	A BB	8248.	40.000 UG/ML	4.60
4	188	1558	24:40	4	1.000	A BB	63272.	40.000 UG/ML	4.60
5	240	2064	32:41	5	1.000	A BB	31297.	40.000 UG/ML	4.60
6	264	2318	36:42	6	1.000	A BB	19608.	40.000 UG/ML	4.60
7	112	483	7:39	1	0.688	A BV	71371.	89.408 UG/ML	10.27
8	99	675	10:41	1	0.962	A BB	73400.	77.941 UG/ML	8.95
9	82	819	12:58	2	0.869	A BB	91124.	97.434 UG/ML	11.19
10	172	1162	18:24	3	0.909	A BB	157194.	112.692 UG/ML	12.95
11	330	1434	22:42	3	1.121	A BV	6864.	92.135 UG/ML	10.59
12	244	1877	29:43	5	0.909	A BB	77955.	62.312 UG/ML	7.16
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	146	705	11:10	1	1.004	A BB	222.	0.240 UG/ML	0.03
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	82	869	13:46	2	0.923	A*VB	1190.	1.032 UG/ML	0.12
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								

002021

2

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HSHT)	AMOUNT	%TOT
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	184	1877	29.43	5	0.907	A BB	2332.	98.455 UG/ML	11.31
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

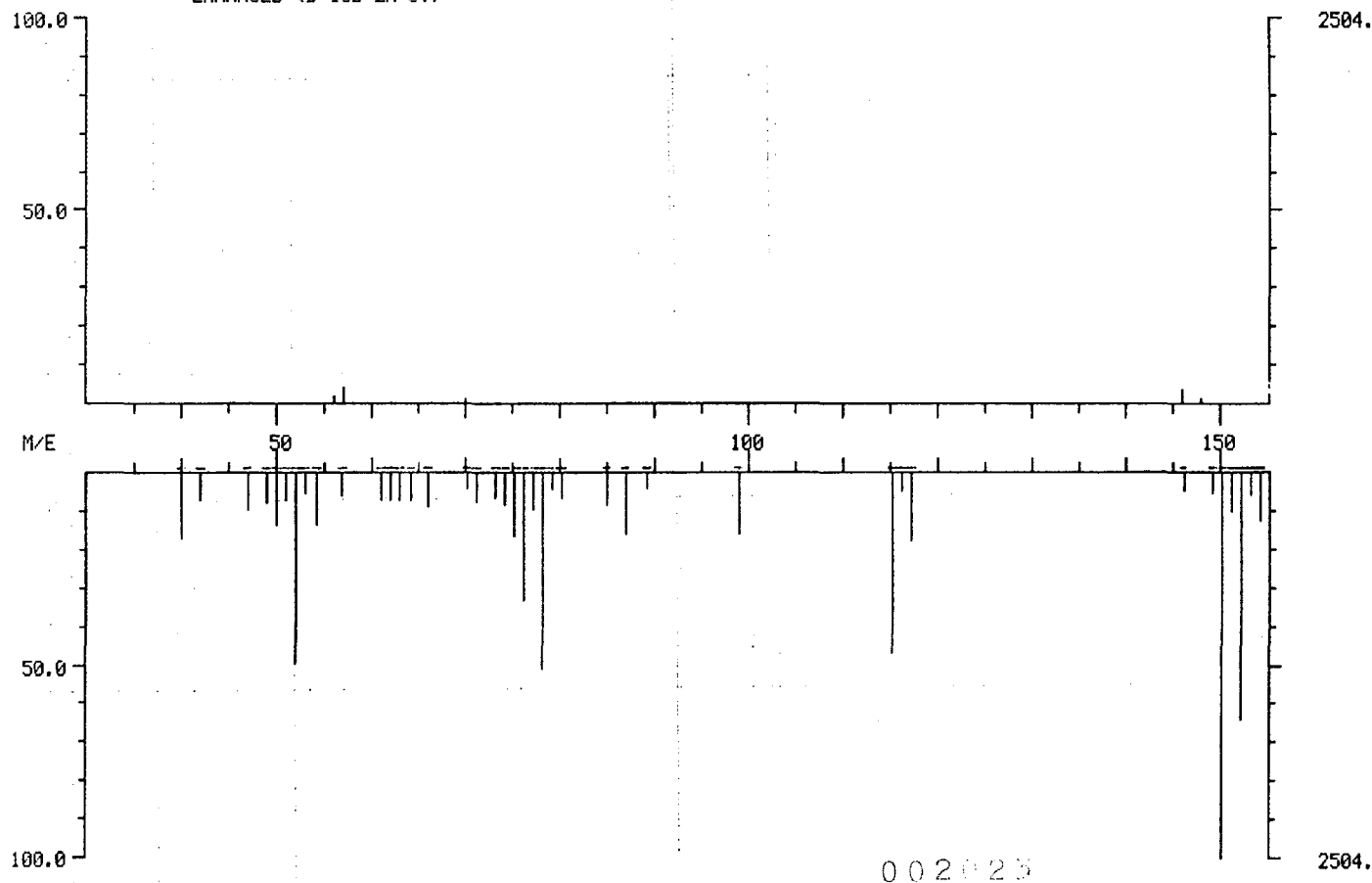
002022

je

DUAL MASS SPECTRUM
09/16/84 22:36:00 + 11:10
SAMPLE: BLANK ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1352 #705
CALI: EPABN1352 #1

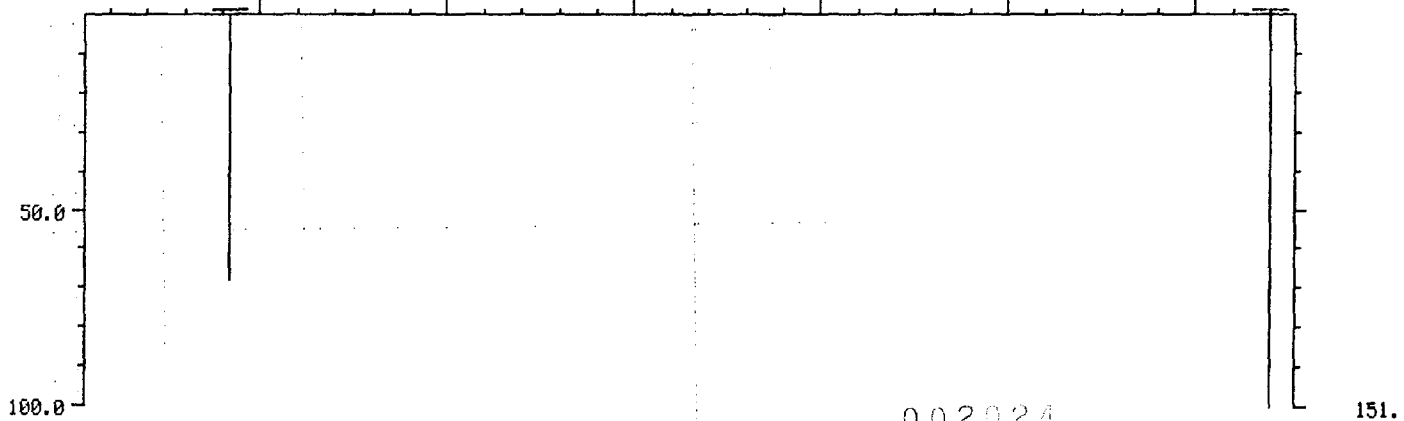
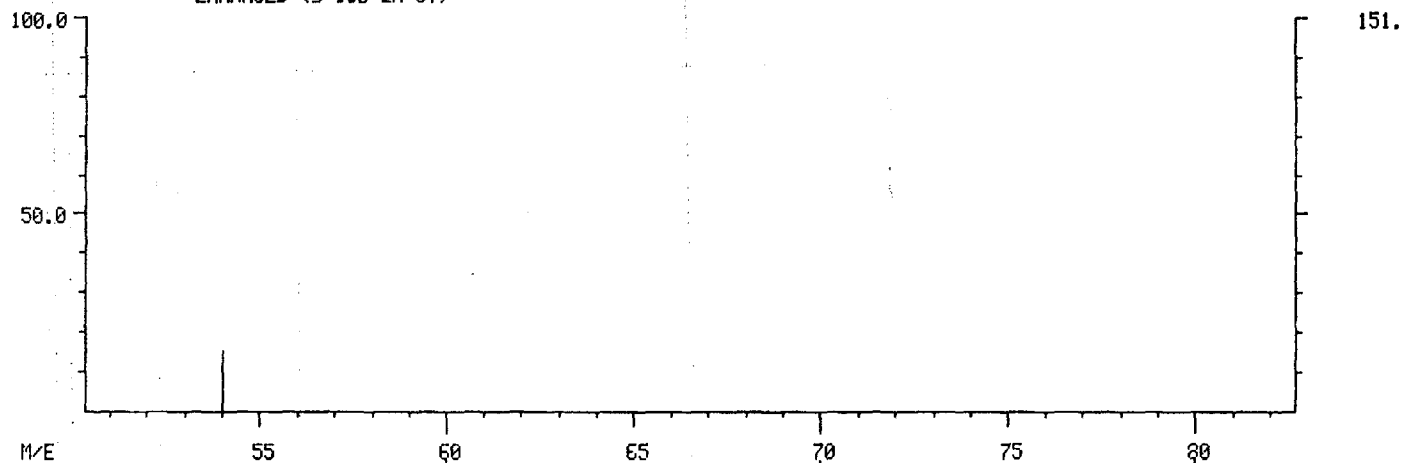
BASE M/E: 57/ 150
RIC: 306./ 15983.



DUAL MASS SPECTRUM
09/16/84 22:36:00 + 13:45
SAMPLE: BLANK ABN
CONDS.:
ENHANCED (S 15B 2N 0T)

DATA: EPABN1352 #869
CAL1: EPABN1352 #1

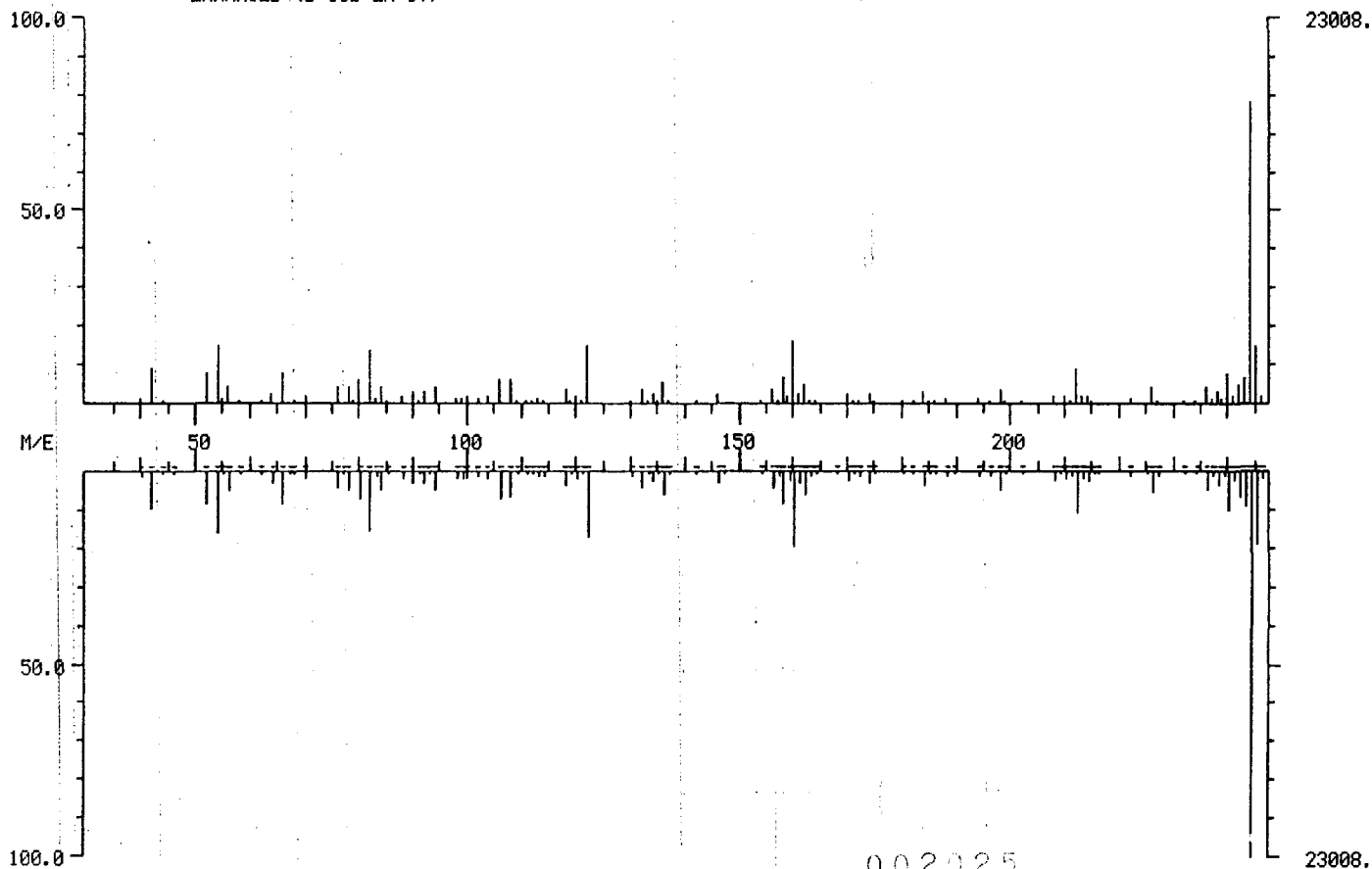
BASE M/E: 54/ 82
RIC: 22./ 253.



002024

DUAL MASS SPECTRUM
09/16/84 22:36:00 + 29:43
SAMPLE: BLANK ABN
CONDS.:
ENHANCED (S 158 2N 0T)

DATA: EPABN1352 #1877 BASE M/E: 244/ 244
CALI: EPABN1352 #1 RIC: 83839./ 101503.



002025

Sample Number

Reagent Blank

Organics Analysis Data Sheet

(Page 1)

Laboratory Name: US Testing

Case No: 68-01-6780

Lab Sample ID No: 77113-BIR II

QC Report No: 113

Sample Matrix: Soil

Contract No: 68-01-6780

Data Release Authorized By: _____

Date Sample Received: 8/17/84

Volatile Compounds

Concentration: Low Medium (Circle One)

Date Extracted/Prepared: 8/19/84

Date Analyzed: 8/19/84

Conc/Dil Factor: 1 pH 7.0

Percent Moisture: _____

Percent Moisture (Decanted): _____

CAS Number		ug/l or ug/Kg (Circle One)
74-87-3	Chloromethane	10 U
74-83-9	Bromomethane	10
75-01-4	Vinyl Chloride	10
75-00-3	Chloroethane	10
75-09-2	Methylene Chloride	5
67-64-1	Acetone	10
75-15-0	Carbon Disulfide	5
75-35-4	1, 1-Dichloroethene	5
75-34-3	1, 1-Dichloroethane	5
156-60-5	Trans-1, 2-Dichloroethene	5
67-66-3	Chloroform	5
107-06-2	1, 2-Dichloroethane	5
78-93-3	2-Butanone	10
71-55-6	1, 1, 1-Trichloroethane	5
56-23-5	Carbon Tetrachloride	5
108-05-4	Vinyl Acetate	10
75-27-4	Bromodichloromethane	5

CAS Number		ug/l or ug/Kg (Circle One)
79-34-5	1, 1, 2, 2-Tetrachloroethane	5 U
78-87-5	1, 2-Dichloropropane	5
10061-02-6	Trans-1, 3-Dichloropropene	5
79-01-6	Trichloroethene	5
124-48-1	Dibromochloromethane	5
79-00-5	1, 1, 2-Trichloroethane	5
71-43-2	Benzene	5
10061-01-5	cis-1, 3-Dichloropropene	5
110-75-8	2-Chloroethylvinylether	10
75-25-2	Bromoform	5
591-78-6	2-Hexanone	10
108-10-1	4-Methyl-2-Pentanone	10
127-18-4	Tetrachloroethene	5
108-88-3	Toluene	5
108-90-7	Chlorobenzene	5
100-41-4	Ethylbenzene	5
100-42-5	Styrene	5
	Total Xylenes	5 U

Data Reporting Qualifiers

For reporting results to EPA, the following results qualifiers are used
Additional flags or footnotes explaining results are encouraged. However, the
definition of each flag must be explicit

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g., 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U. Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for a sample.

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides ≥ 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data.

002026

Sample Number

Reagent Blank

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

002027

820200

RIC

08/19/84 8:07:00

SAMPLE: 77113-BLANK

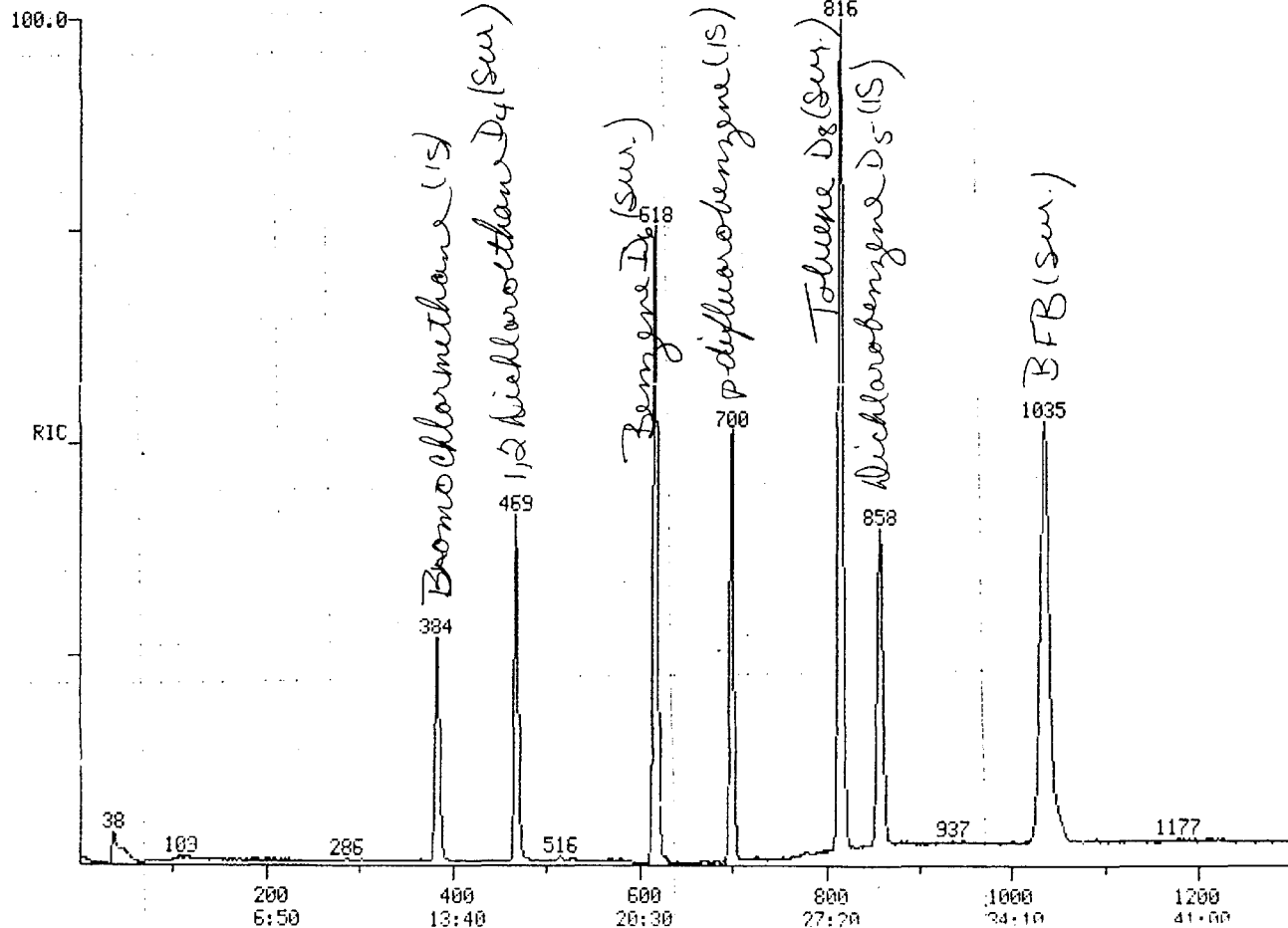
CONDS.:

RANGE: G 1.1300 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

DATA: EPAU0A1724 #1

SCANS 1 TO 1300

CALI: EPAU0A1724 #1



QUANTITATION REPORT FILE: EPAVOA1724

DATA: EPAVOA1724.TI

08/19/84 8:07:00

SAMPLE: 77113-BLANK

SUBMITTED BY: USTCO ANALYST: RJW

AMOUNT=AREA * REF.AMNT/(REF.AREA)* RESP.FACT)

RESP. FAC. FROM AVERAGE OF WHOLE .RL

NO	NAME
1	* BROMOCHLORMETHANE (INTERNAL STANDARD)
2	* P-DIFLUOROBENZENE (INTERNAL STANDARD)
3	* DICHLOROBENZENE-D5 (INTERNAL STANDARD)
4	CHLOROMETHANE
5	BROMOMETHANE
6	VINYL CHLORIDE
7	CHLOROETHANE
8	METHYLENE CHLORIDE
9	ACROLEIN
10	ACRYLONITRILE
11	1,1-DICHLOROETHYLENE
12	1,1-DICHLOROETHANE
13	TRANS-1,2-DICHLOROETHYLENE
14	CHLOROFORM
15	1,2-DICHLOROETHANE
16	1,1,1-TRICHLOROETHANE
17	HSL ACETONE
18	HSL CARBON DISULFIDE
19	CARBON TETRACHLORIDE
20	BROMODICHLOROMETHANE
21	1,2-DICHLOROPROPANE
22	TRANS-1,3-DICHLOROPROPYLENE
23	TRICHLOROETHYLENE
24	BENZENE
25	DIBROMOCHLORMETHANE
26	1,1,2-TRICHLOROETHANE
27	CIS-1,3-DICHLOROPROPYLENE
28	2-CHLOROETHYL VINYL ETHER
29	BROMOFORM
30	HSL METHYL ETHYL KETONE
31	HSL VINYL ACETATE
32	HSL METHYL-ISOBUTYL KETONE
33	1,2-DICHLOROETHANE-D4 (SURROGATE)
34	BENZENE-D6 (SURROGATE)
35	DIBROMOTETRAFLUOROETHANE (SURROGATE)
36	BIS(PERFLUOROISOPROPYL)KETONE (SURROGATE)
37	FLUOROBENZENE (SURROGATE)
38	TETRACHLOROETHYLENE
39	1,1,2,2-TETRACHLOROETHANE
40	TOLUENE
41	CHLOROBENZENE
42	ETHYLBENZENE
43	HSL 2-HEXANONE
44	HSL STYRENE
45	HSL O-XYLENE
46	HSL M-XYLENE

002023

NO NAME
47 M-BROMOBENZOTRIFLUORIDE (SURROGATE)
48 D-5 ETHYLBENZENE (SURROGATE)
49 TOLUENE-D8 (SURROGATE)
50 P-BROMOFLUOROBENZENE (SURROGATE)

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	130	384	13:07	1	1.000	A BB	97489.	50.000 UG/L	9.61
2	114	699	23:53	2	1.000	A BB	412319.	50.000 UG/L	9.61
3	117	858	29:19	3	1.000	A BB	270291.	50.000 UG/L	9.61
4	NOT FOUND								
5	NOT FOUND								
6	NOT FOUND								
7	NOT FOUND								

002030

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
8	NOT	FOUND							
9	NOT	FOUND							
10	NOT	FOUND							
11	NOT	FOUND							
12	NOT	FOUND							
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	65	469	16:01	2	0.671	A BB	362227.	92.170 UG/L	17.71
34	84	618	21:07	2	0.884	A BB	718271.	50.410 UG/L	17.37
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							
43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	98	816	27:53	3	0.951	A BB	763931.	99.792 UG/L	19.17
50	95	1035	35:22	3	1.206	A BB	463798.	88.154 UG/L	16.94

002031