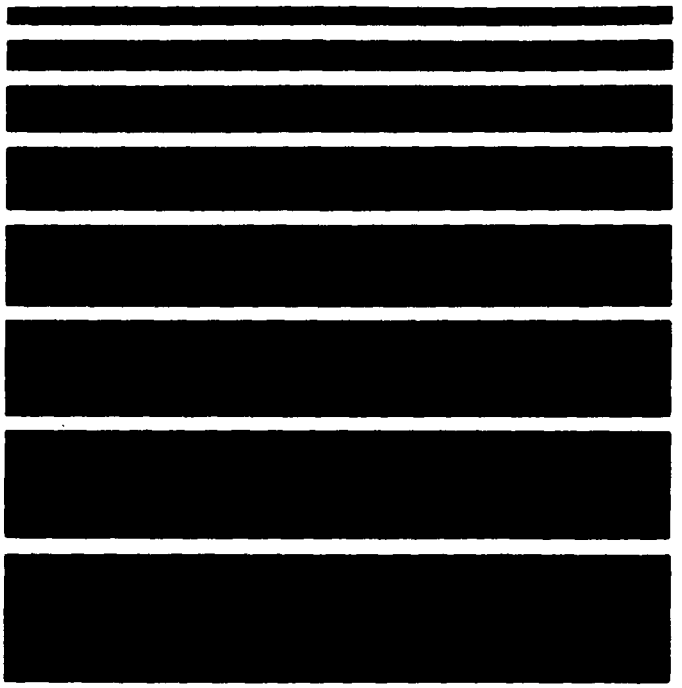
COMPUCHEM LABORATORIES



COMPUCHEM
LABORATORIES

March 1, 1988

Mr. Joe Fromal
Environmental Strategy Corporation
Suite 650
8521 Leesburg Pike
Vienna, VA 22180

Dear Mr. Fromal:

We at CompuChem® are pleased to provide our report for the analysis you requested. Data for the following sample are enclosed:

Your ID Number	Our ID Number	Analysis Code	Order Number	Description of Work Requested
		041	13309	Volatiles + Library Search Method 624 - Tier I
TELEDNPR-5	170199			
TELEDNPR-6	170200			
TELEDNPR-7	170201			
TELEDNPR-8	170202			

In this report we have included the analytical results, the method reference, and the quality control summary. If any anomalies were encountered in this analysis, they would be referenced in an attached Quality Assurance Notice(s). Instrument documentation is provided with reports purchased in our Gold Report format.

To obtain additional technical information concerning this report, please contact your Sales Representative. In addition to resolving your questions, they can provide you with a complete overview of our line of services and assist you in identifying those services which will effectively and efficiently support your monitoring program.

For your convenience, your Customer Service Representative can help you place a new order, obtain information about a sample's status or obtain assistance with sample logistics. Your Sales Representative and your Customer Service Representative can be reached at 1/919-549-8263.

301010

COMPUCHEM
LABORATORIES

Thank you for choosing CompuChem®. We would like to continue providing you analytical support and services. We would appreciate your comments regarding the quality of services you have received from CompuChem®; client satisfaction is important to us. Please address your comments to your Sales or Customer Service Representative at the address given below.

Sincerely,

Mary E. Mitchell
Supervisor, Report Deliverables

cc: Accounting
(Cover letter only)

Mr. Joe Fromal
Environmental Strategy Corporation
Suite 650
8521 Leesburg Pike
Vienna, VA 22180

COMPUCHEM
LABORATORIES

ANALYTICAL DATA REPORT

Mr. Joe Fromal
Environmental Strategy Corporation
Suite 650
8521 Leesburg Pike
Vienna, VA 22180

Cynthia E. McCloud
Technical Reviewer

Mary Mitchell
Deliverables Coordinator

301012

COMPUCHEM LABORATORIES

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*When the original chain of custody is submitted with the sample(s), a copy of it is included with the report.

**These notices are included where appropriate for data qualification.

COMPUCHEM LABORATORIES

LABORATORY CHRONICLE

ITEM NO.	SAMPLE IDENTIFIER	COMPUCHEM® NUMBER	DATE SAMPLE RECEIVED	DATE VOLATILE FRACTION ANALYZED
1.	TELEDNPR-5	170199	12/05/87	12/09/87
2.	TELEDNPR-6	170200	12/05/87	12/09/87
3.	TELEDNPR-7	170201	12/05/87	12/09/87
4.	TELEDNPR-8	170202	12/05/87	12/09/87
	(Instrument Blank)	VB871209A03		12/09/87

METHOD REFERENCE

CompuChem® employs the Modified Environmental Monitoring and Support Laboratory-Cincinnati (EMSL-CI) Procedure to be Used for Low Levels of Volatiles in Soils and Sediments for the preparation of solid samples and instrument operating parameters for volatile library search. This procedure is a modification of the published USEPA Method 624, Volume 49 of the October 26, 1984 Federal Register.

Method Summary

A 5 gram sample is weighed and transferred with 10 mls of water to a specially designed impinger. The impinger is then heated to 55°C and this temperature is maintained while purging for 12 minutes. "After purging is completed, the sorbent column is heated and backflushed with the inert gas to desorb the purgeables onto a gas chromatographic column...which are then detected with a mass spectrometer."

Semi-quantitative analysis (library search) is performed by automatic comparison of the unknown peak spectrum to the National Bureau of Standards (NBS) mass spectral library. Estimated concentration is calculated using the known concentration and peak area of the closest internal standard while assuming a response factor of one for the unknown compound.

QUALITY CONTROL SUMMARY

In addition to the control measures specified by Methods 624 and outlined in the method summary of this report, this volatile analysis entails the introduction of client/case specified quality control samples. These QC samples are automatically introduced by CompuChem's laboratory management systems at a rate of at least one set for every twenty samples bearing the same case ID received in a thirty day time period. The exact rate of QC sample introduction is controlled by the client through the assignment of case identifiers. The QC samples, consisting of duplicate sample spikes and a single blank spike, are introduced with the first sample in each series of twenty for each identified case.

The sample spikes processed for the samples associated with this report were prepared using an original sample selected from the sample client defined case. The analytical data obtained for the original sample, both sample spikes, the spike concentration, percent recoveries, the spikes and relative percent difference have been included in this report in the form of the Spike Summary Table. The control limits for individual compound recoveries and relative percent differences are included in the summary table. Sample matrix can adversely affect the recovery and precision data. Whenever a matrix problem is encountered which adversely affects the sample spikes, the results obtained for the blank spike are included in the report with a Quality Assurance Notice.

QUALITY ASSURANCE NOTICE

SAMPLE IDENTIFIER: TELEDNPR-5, TELEDNPR-6, TELEDNPR-7, TELEDNPR-8
COMPUCHEM® SAMPLE NUMBER: 170199, 170200, 170201, 170202

Blank I.D. VB871209A03

Following the conventions established by the EPA for qualifying common laboratory artifacts in samples analyzed under the Contract Laboratory Program (CLP) Caucus Organics Protocols, we have reported the following compound with the "B" footnote:

common laboratory artifact	blank concentration	units
Methylene Chloride	23	ug/kg

The "B" indicates that this analyte was also detected in the associated Method Blank (and/or Instrument Blank). This footnote is only used for the common laboratory solvent, methylene chloride.

When both an Instrument Blank and a Method Blank are prepared, the "B" footnote is applied to associated sample data if a common artifact is detected in either blank. Compositing Blanks are prepared with samples that require compositing of all as-received sample containers. Since the entire sample is consumed in the process, repreparation and reanalysis of a composited sample is not possible. Therefore, exceptions are made to allowable levels of blank contamination in such instances.

The EPA-CLP protocols permit up to 25 ug/l of methylene chloride in volatile blanks. Our policy is much more stringent for non-CLP requirements. The maximum allowable level for methylene chloride in Instrument Blanks is 5 ug/l (2 ug/l for blanks associated with Lower Detection Limit sample) unless successive blanks indicate a consistent background level of methylene chloride. The concentration of methylene chloride in solid Method Blanks may not exceed 25 ug/kg. Exceptions to these policies are made only when sample Holding Times are in jeopardy of being exceeded.

Data Interpretation: General EPA Guidelines

In evaluating data usability, the EPA uses certain general guidelines for assessing the presence of common laboratory artifacts in samples. If the concentration of an artifact in a sample is greater than ten times that in the blank, the blank contribution is considered negligible. If blank and sample concentrations are comparable (sample level not greater than twice the blank level), the presence of that compound in the sample is considered suspect.

Robert J. Whitehead
Manager, Quality Assurance

№ 007941

CHAIN OF CUSTODY RECORD

COMPUCHEM LABORATORIES

301018

PROJ. NO.	PROJECT NAME
	TELEDYNE, Puerto Rico

SAMPLERS: (Signature) [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Volatile Library Scan						REMARKS
5	12/4/87	8:55		✓	TELEDNPR-5	1	✓						(0-3") under compressor disch.
6	12/4/87	9:20		✓	TELEDNPR-6	1	✓						(9-12") under compressor disch.
7	12/4/87	10:15		✓	TELEDNPR-7	1	✓						(0-3") 6 ft. east & north of fence corner ~~10' East of concr. block in back~~
8	12/4/87	10:25		✓	TELEDNPR-8	1	✓						(30-36") ~~10' East of concr. block in back~~ 6 ft. east & north of Fence & Concr.

170199
170200
170201
170202

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	12/4/87				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
		Gerald Lewis	12-5-87 10:00	

Distribution: Original Accompanies Shipment; Copy to Field Files

COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: TELEDNPR-5
COMPUCHEM® SAMPLE NUMBER: 170199

		CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	39 B*	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	1,2-DICHLOROETHENE,(TOTAL)	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	TETRACHLOROETHENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	28	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

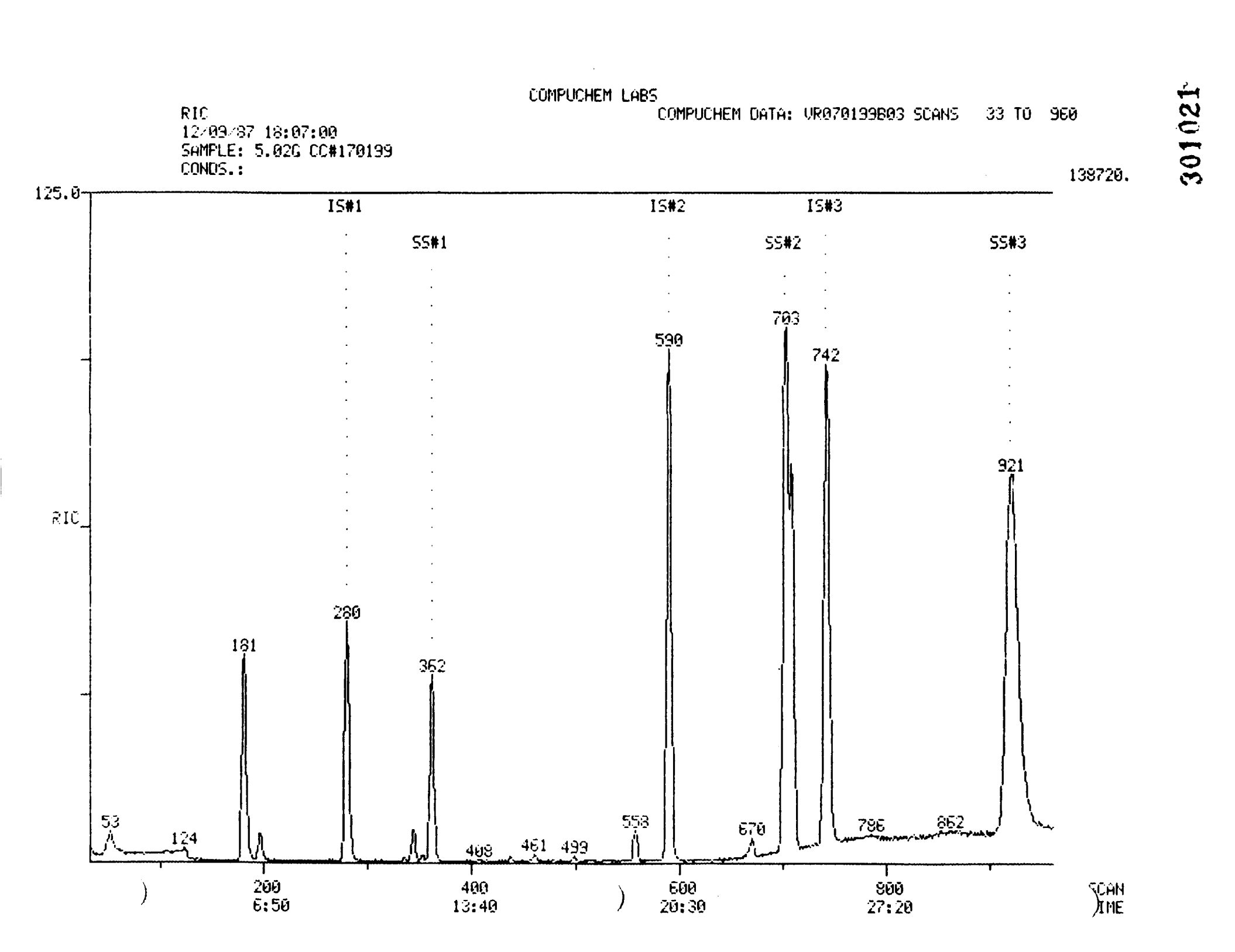
	% Recovery	Control Range%
D_4-1,2-Dichloroethane	98	(70-121)
4-Bromofluorobenzene	94	(74-121)
D_8-Toluene	99	(81-117)

BDL= BELOW DETECTION LIMIT
*See Quality Assurance Notice.

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE IDENTIFIER: TELEDNPR-5
COMPUCHEM NUMBER: 170199

CAS Number	Compound Name	Scan Number	Estimated Concentration (ug/kg)
1.	NO VOLATILE COMPOUNDS FOUND		
2.			
3.			
4.			
5.			


COMPUCHEM LABS
RIC
12/09/87 18:07:00
SAMPLE: 5.02G CC#170139
CONDS.:
COMPUCHEM DATA: VR070139B03 SCANS 33 TO 960
138720.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
53
124
181
280
362
408
461
499
558
590
670
703
742
786
862
921
200
6:50
400
13:40
600
20:30
800
27:20
SCAN TIME

301021

QUANTITATION REPORT FILE: VR070199B03
DATA: VR070199B03 TI
12/09/87 18:07:00
SAMPLE 5.02G CC#170199
CONDS:
  MITTED BY: 03 ANALYST: 1263

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*248 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
20	229 TRICHLOROETHYLENE
	208 CHLORODIBROMOMETHANE
22	228 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#258 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#233 D8-TOLUENE

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

301022

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT	
1	128	279	9:32	1	1.000	A BB	40921.	30.000	UG/L	12.04	
2	50	NOT FOUND									
	94	NOT FOUND									
	62	NOT FOUND									
5	64	NOT FOUND									
6	84	181	6.11	1	0.649	A BB	51317	39.043	UG/L	15.67	yes
7	56	NOT FOUND									
8	53	NOT FOUND									
9	96	NOT FOUND									
10	63	NOT FOUND									
11	96	NOT FOUND									
12	83	344	11:45	1	1.233	A BB	12914.	3.941	UG/L	1.58	
13	62	NOT FOUND									
14	114	590	20:09	14	1.000	A BB	230888.	30.000	UG/L	12 04	
15	97	NOT FOUND									
16	117	NOT FOUND									
17	83	NOT FOUND									
18	63	NOT FOUND									
19	75	NOT FOUND									
20	130	NOT FOUND									
21	129	NOT FOUND									
22	97	NOT FOUND									
23	78	NOT FOUND									
24	75	NOT FOUND									
25	63	NOT FOUND									
26	173	NOT FOUND									
27	117	742	25:21	27	1.000	A BB	200330.	30.000	UG/L	12.04	
28	164	669	22:51	27	0.902	A BB	2865.	0.894	UG/L	0.36	
29	83	NOT FOUND									
30	92	708	24 11	27	0.954	A BB	94352.	27.852	UG/L	11 18	yes
31	112	NOT FOUND									
32	106	NOT FOUND									
33	65	362	12:22	1	1 297	A BB	73910.	29.325	UG/L	11.77	
34	95	920	31:26	27	1.240	A BB	167893.	28.266	UG/L	11.35	
35	98	702	23:59	27	0.946	A BB	211788.	29.831	UG/L	11.97	

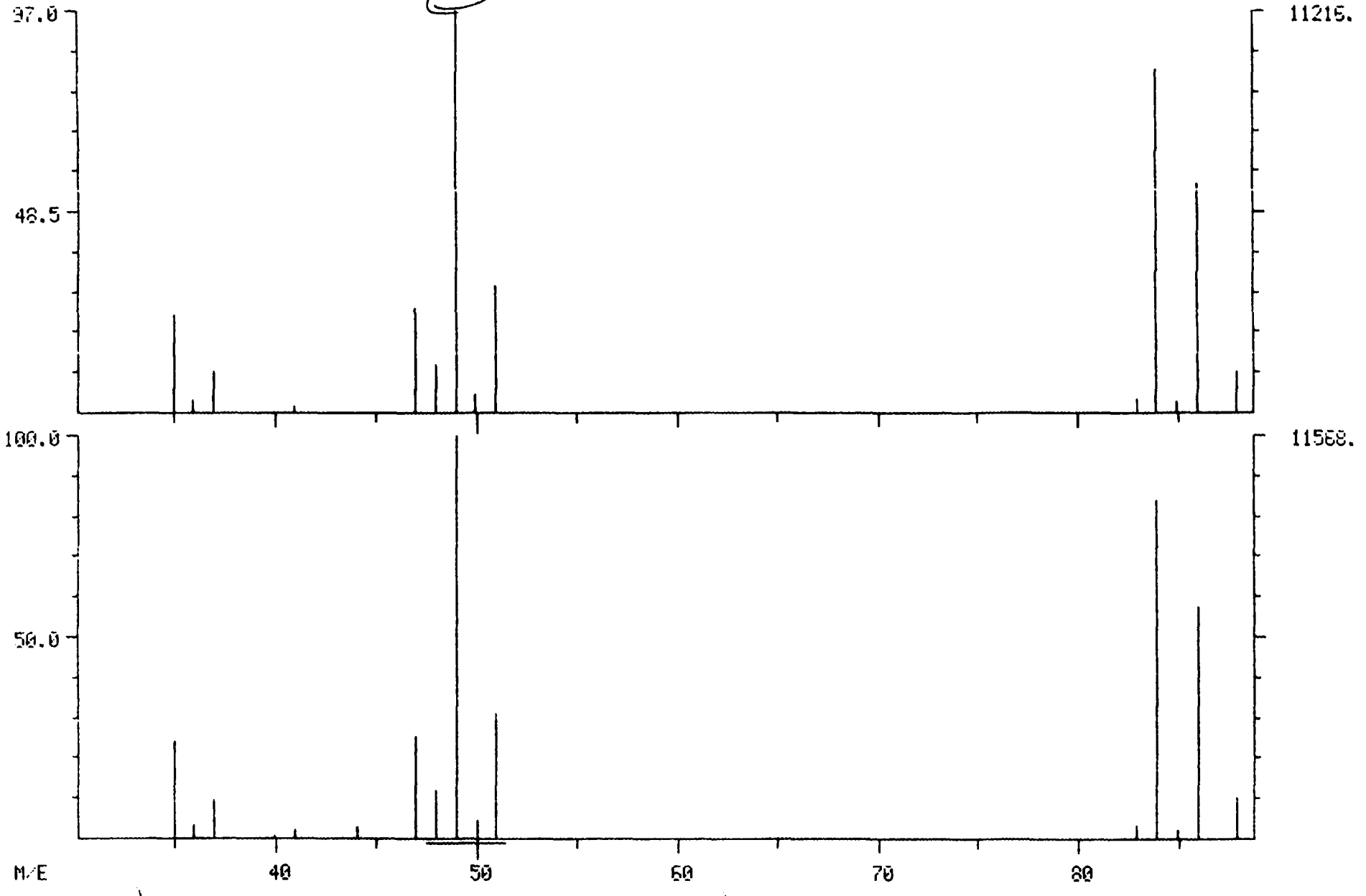
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:32	1 00	10.000	0.10	30.00	30.00	1.000	1.000	1 00
2	1:28		10.000			160.00		0.732	
3	2:21		10.000			160.00		1.228	
4	2:56		10.000			160.00		0.860	
5	3:56		10.000			160.00		0.549	
6	6:05	1.02	10.000	0.06	39.04	160.00	0.235	0.964	0.24
7	6:38		100.000			1600.00		0.054	
8	7:23		100.000			1600.00		0.134	
9	8:57		10.000			160.00		0.963	
10	10:21		10.000			160.00		1.539	
11	11:04		10.000			160.00		1.045	
12	11:43	1.00	10.000	0.12	3.94	160.00	0.059	2.402	0.02
13	12:28		10.000			160.00		1.541	
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:48		10.000			160.00		0.471	
16	14:13		10.000			160.00		0.448	
17	14:48		10.000			160.00		0.450	
18	16:12		10.000			160.00		0.185	
19	17:48		10.000			160.00		0.195	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
20	17.01		10.000			160.00		0.342	
21	17.44		10.000			160.00		0.388	
[illegible]	17.50		10.000			160.00		0.202	
[illegible]	17.32		10.000			160.00		0.525	
24	16.28		10.000			160.00		0.392	
25	18.54		10.000			160.00		0.118	
26	20.34		10.000			160.00		0.367	
27	25.27	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
28	22.56	1.00	10.000	0.09	0.89	160.00	0.003	0.480	0.01
29	22.58		10.000			160.00		0.428	
30	24.18	1.00	10.000	0.10	27.85	160.00	0.088	0.507	0.17
31	25.35		10.000			160.00		0.781	
32	28.07		10.000			160.00		0.395	
33	12.22	1.00	10.000	0.13	29.33	30.00	1.806	1.848	0.98
34	31.36	0.99	10.000	0.12	28.27	30.00	0.838	0.890	0.94
35	24.05	1.00	10.000	0.09	29.83	30.00	1.057	1.063	0.99

COMPUCHEM LABS

DUAL MASS SPECTRUM
12/09/87 18:07:00 + 6:11
SAMPLE: 5.02G CC#170199
ENHANCED (S 15B 2N) 222 METHYLENE CHLORIDE

DATA: VR070199B03 #181 BASE M/E: 49/ 49
RIC: 41855./ 43135.



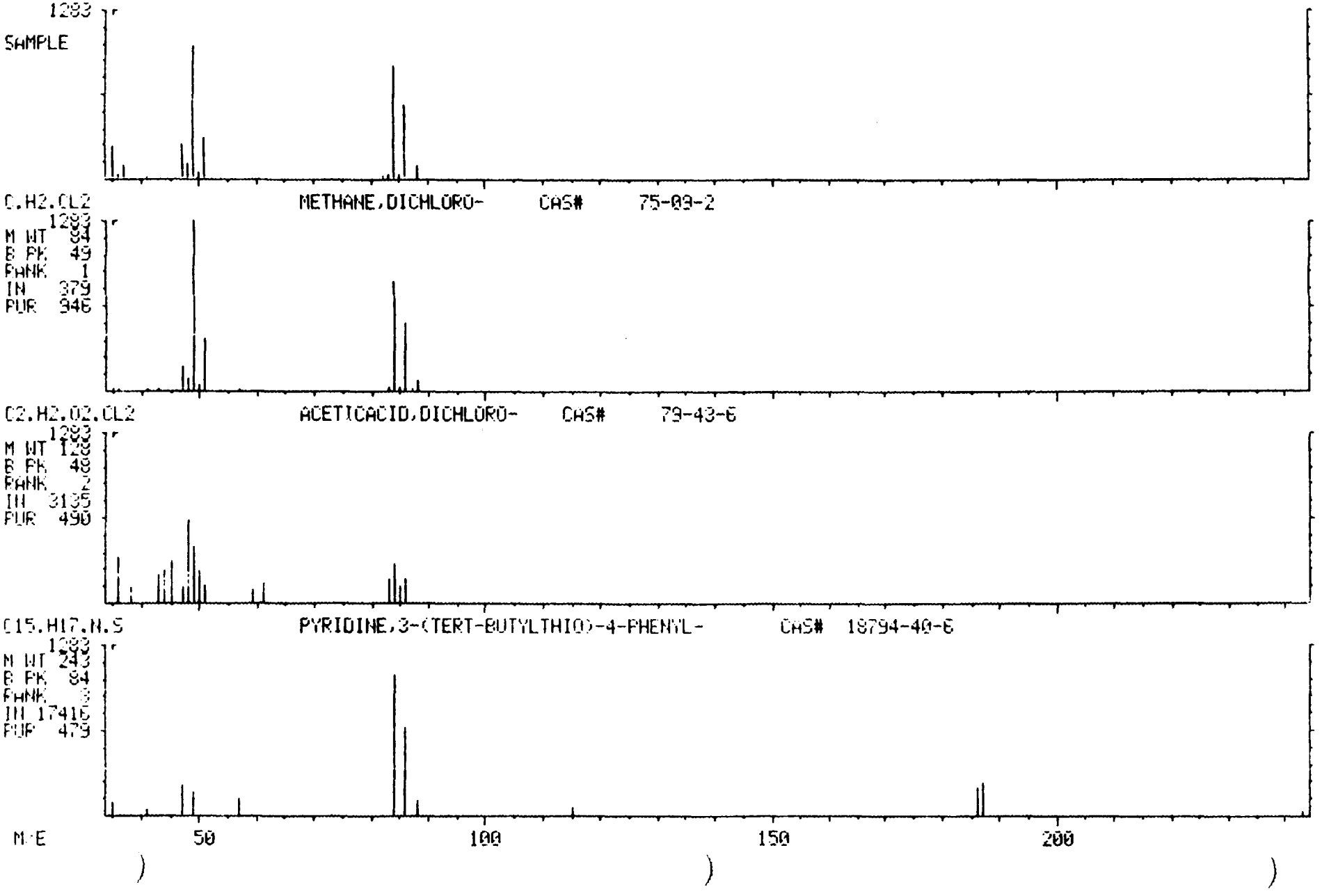
301025

COMPUCHEM LABS

LIBRARY SEARCH
12/09/87 10:07:00 + 8:11
SAMPLE: 5.02G CC#170199
ENHANCED (S 15B 2N 0T)

DATA: VR070199B03 # 181
BASE M/E: 49
RIC: 41855.

301026

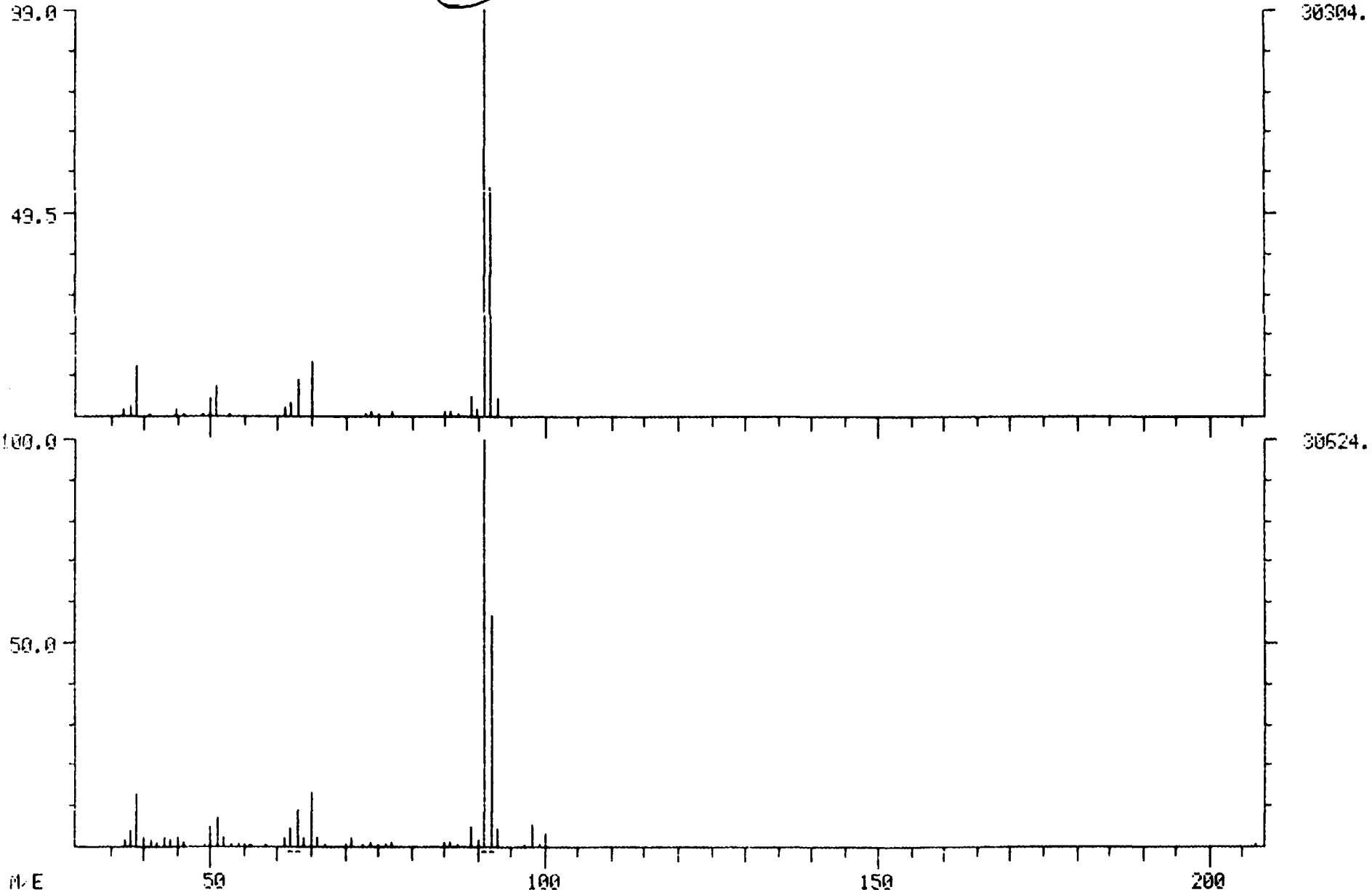


COMPUCHEM LABS

DUAL MASS SPECTRUM
12/09/87 18:07:00 + 24:11
SAMPLE: 5.02G CC#170199
ENHANCED (S 15B 2N)

DATA: VR070199B03 #708 BASE M/E: 91/ 91
RIC: 71551./ 82687.

225 TOLUENE



3010277

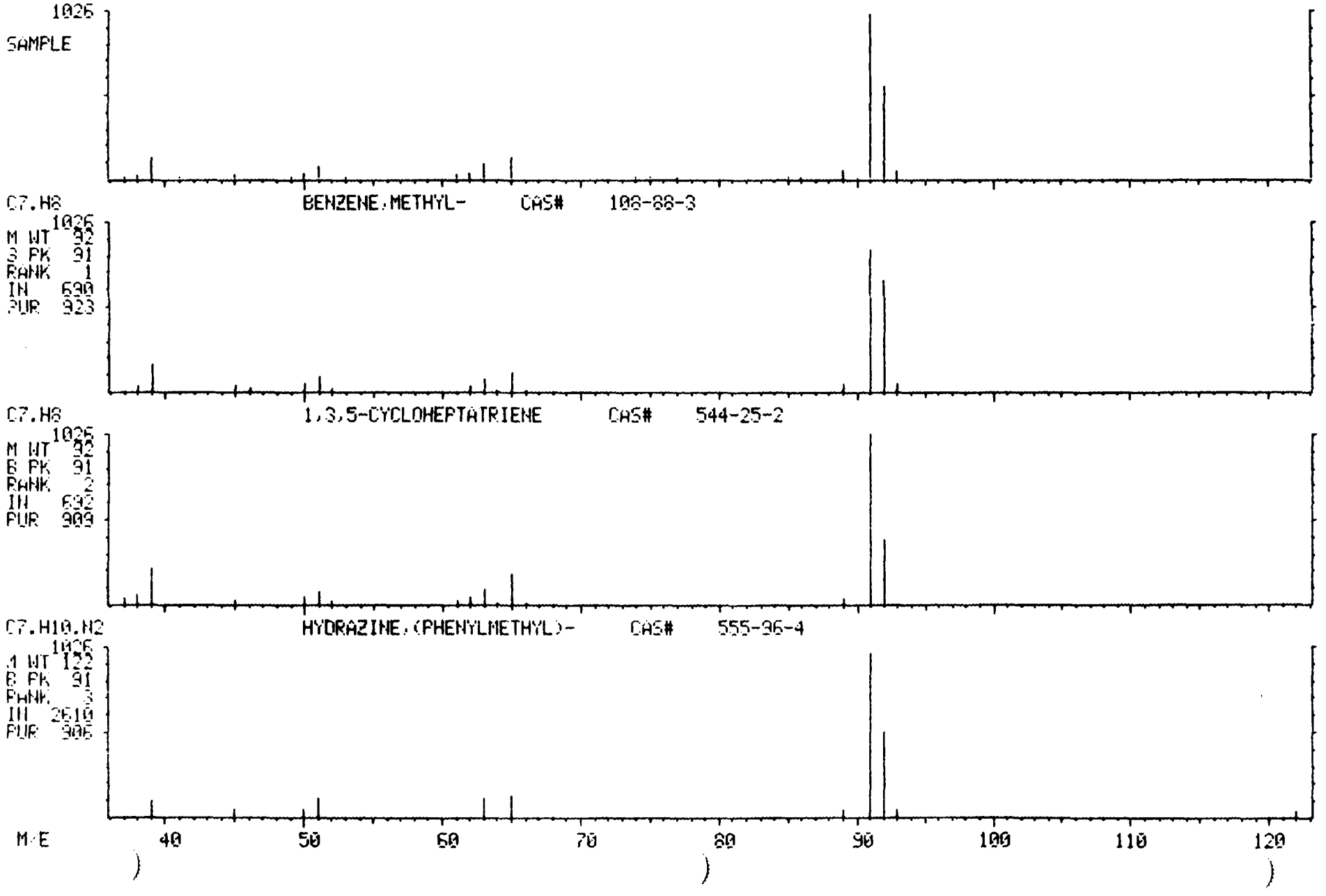
COMPUCHEM LABS

LIBRARY SEARCH
12/09/87 18:07:00 + 24:11
SAMPLE: 5.02G CC#170139
ENHANCED (S 15B 2N 0T)

DATA: VR070199B03 # 708

BASE M/E: 91
RIC: 71039.

3010028



COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: TELEDNPR-6
COMPUCHEM® SAMPLE NUMBER: 170200

		CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	30 B*	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	1,2-DICHLOROETHENE,(TOTAL)	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	TETRACHLOROETHENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

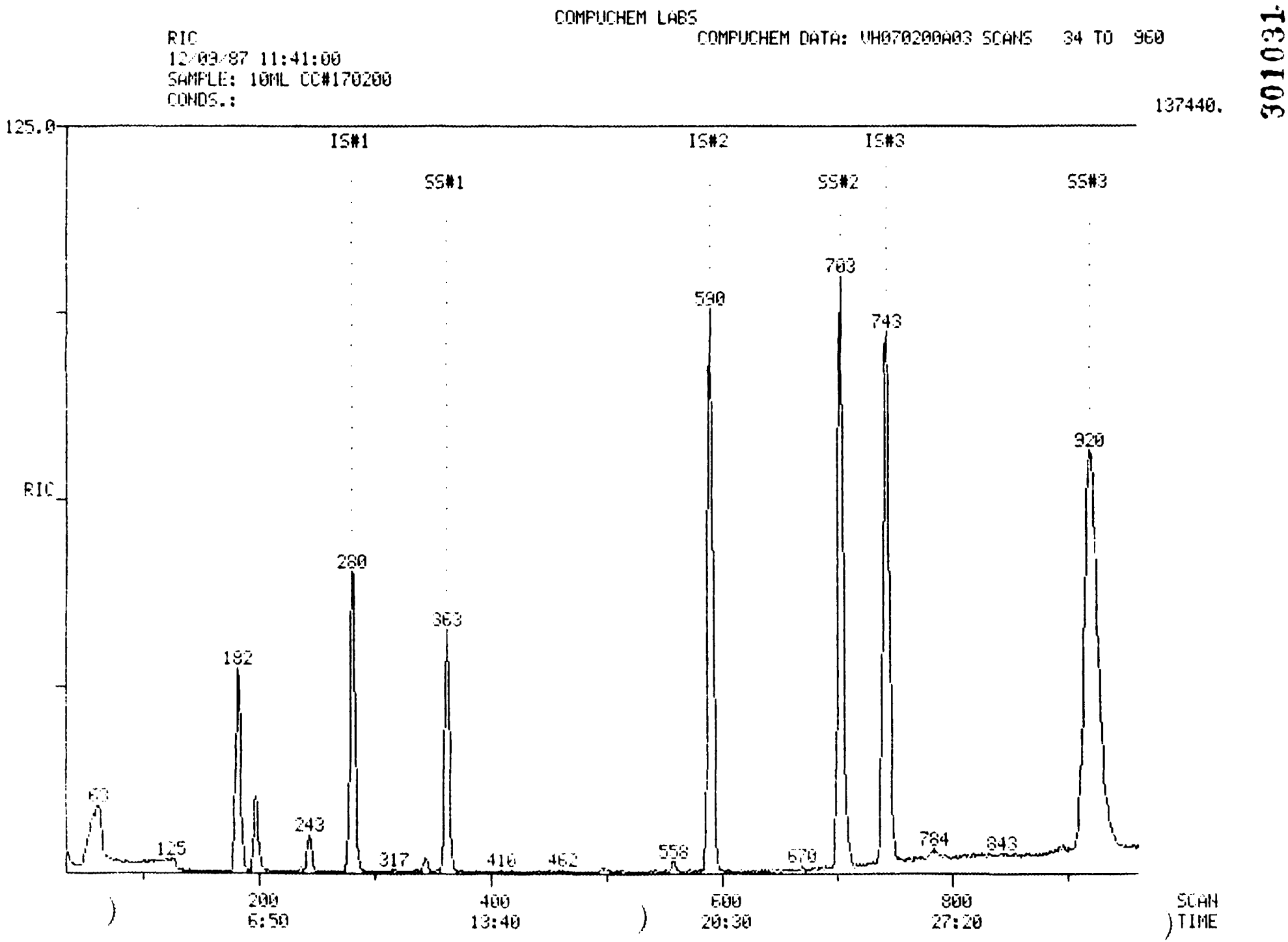
	% Recovery	Control Range%
D_4-1,2-Dichloroethane	104	(70-121)
4-Bromofluorobenzene	91	(74-121)
D_8-Toluene	100	(81-117)

BDL= BELOW DETECTION LIMIT
*See Quality Assurance Notice.

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE IDENTIFIER: TELEDNPR-6
COMPUCHEM NUMBER: 170200

	CAS Number	Compound Name	Scan Number	Estimated Concentration (ug/kg)
1.		NO VOLATILE COMPOUNDS FOUND		
2.				
3.				
4.				
5.				


COMPUCHEM LABS
RIC
COMPUCHEM DATA: VH070200A03 SCANS 34 TO 960
12/09/87 11:41:00
SAMPLE: 10ML CC#170200
CONDS.:
137440.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
RIC
280
363
182
530
703
743
920
83
125
243
317
410
462
558
670
784
843
200
6:50
400
13:40
600
20:30
800
27:20
SCAN
TIME

301031.

QUANTITATION REPORT FILE VH070200A03
DATA VH070200A03.TI
12/09/87 11:41:00
SAMPLE 10ML CC#170200
CONDS
  MITTED BY 03 ANALYST 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*246 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
20	229 TRICHLOROETHYLENE
	208 CHLORODIBROMOMETHANE
22	228 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#258 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#233 D8-TOLUENE

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	128	280	9 34	1	1 000	A BB	45594.	30.000 UG/L	14.14
2	50	NOT FOUND							
3	94	NOT FOUND							
4	62	NOT FOUND							
5	64	NOT FOUND							
6	84	182	6.13	1	0.650	A BB	43650.	29.806 UG/L	14.05
7	56	NOT FOUND							
8	53	NOT FOUND							
9	96	NOT FOUND							
10	63	NOT FOUND							
11	96	NOT FOUND							
12	83	344	11:45	1	1.229	A BB	5643.	1.546 UG/L	0.73
13	62	NOT FOUND							
14	114	590	20:09	14	1.000	A BB	229711.	30.000 UG/L	14.14
15	97	NOT FOUND							
16	117	NOT FOUND							
17	83	NOT FOUND							
18	63	NOT FOUND							
19	75	NOT FOUND							
20	130	NOT FOUND							
21	129	NOT FOUND							
22	97	NOT FOUND							
23	78	NOT FOUND							
24	75	NOT FOUND							
25	63	NOT FOUND							
26	173	NOT FOUND							
27	117	743	25:23	27	1 000	A BV	197888.	30.000 UG/L	14.14
28	164	NOT FOUND							
29	83	NOT FOUND							
30	92	709	24:13	27	0.954	A BB	7198.	2.151 UG/L	1.01
31	112	NOT FOUND							
32	106	NOT FOUND							
33	65	362	12:22	1	1.293	A BB	87980.	31.330 UG/L	14.77
34	95	920	31:26	27	1.238	A BB	160626.	27.376 UG/L	12.90
35	98	703	24.01	27	0.946	A BB	210077.	29.955 UG/L	14.12

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:32	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
2	1.28		10.000			160.00		0.732	
3	2:21		10.000			160.00		1.228	
4	2 56		10.000			160.00		0.860	
5	3:56		10.000			160.00		0.549	
6	6.05	1.02	10.000	0.06	29.81	160.00	0.180	0.964	0.19
7	6:38		100.000			1600.00		0.054	
8	7:23		100.000			1600.00		0.134	
9	8:57		10.000			160.00		0.963	
10	10:21		10.000			160.00		1.539	
11	11:04		10.000			160.00		1.045	
12	11:43	1.00	10.000	0.12	1.55	160.00	0.023	2.402	0.01
13	12:28		10.000			160.00		1.541	
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:48		10.000			160.00		0.471	
16	14:13		10.000			160.00		0.448	
17	14:48		10.000			160.00		0.450	
18	16:12		10.000			160.00		0.185	
19	17:48		10.000			160.00		0.195	

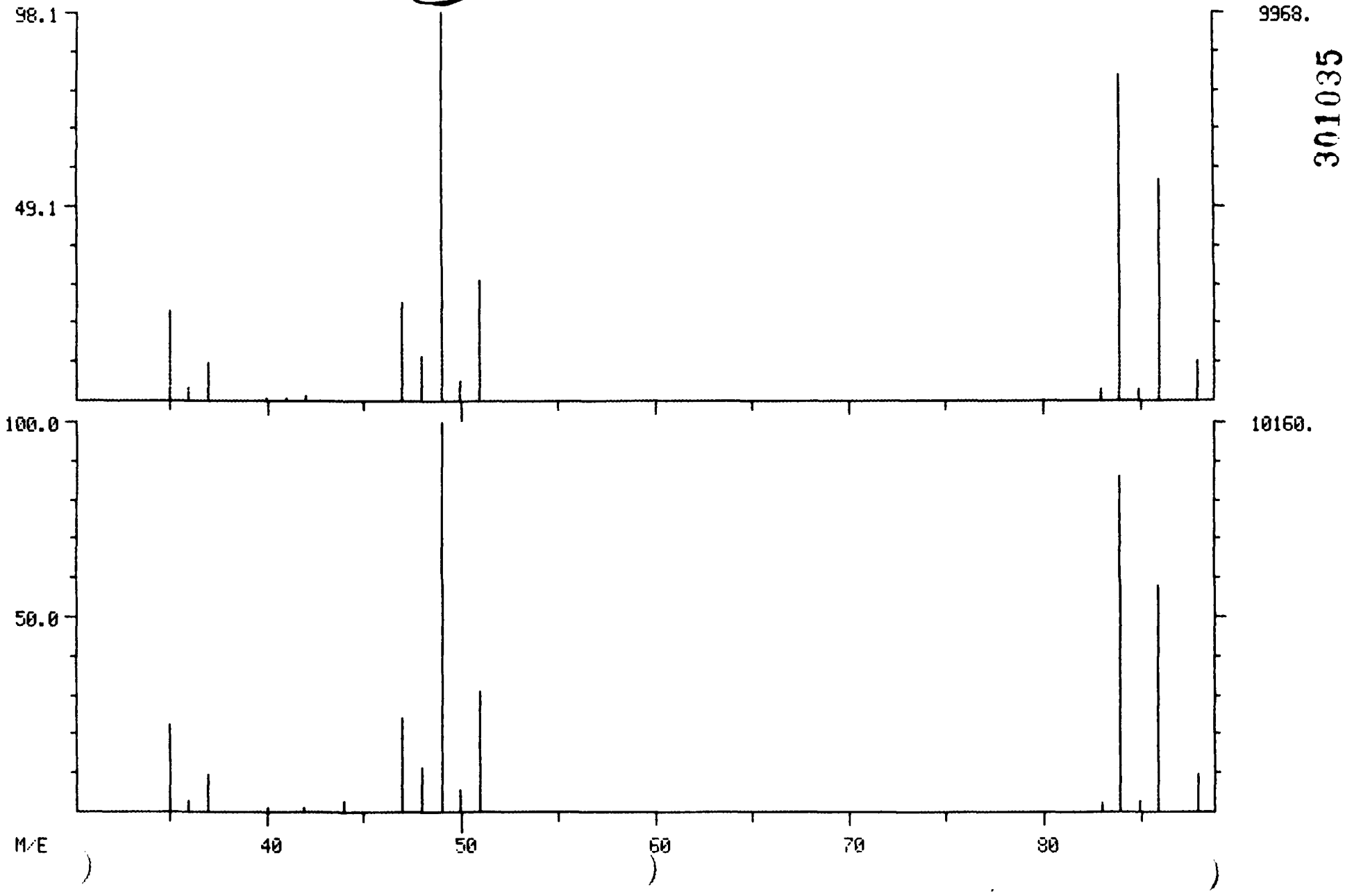
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
20	17:01		10.000			160.00		0.342	
21	17:44		10.000			160.00		0.388	
22	17:50		10.000			160.00		0.202	
	17:32		10.000			160.00		0.525	
~~24~~	16:28		10.000			160.00		0.392	
25	18:54		10.000			160.00		0.118	
26	20:34		10.000			160.00		0.367	
27	25:27	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
28	22:56		10.000			160.00		0.427	
29	22:58		10.000			160.00		0.428	
30	24:18	1.00	10.000	0.10	2.15	160.00	0.007	0.507	0.01
31	25:35		10.000			160.00		0.781	
32	28:07		10.000			160.00		0.395	
33	12:22	1.00	10.000	0.13	31.33	30.00	1.930	1.848	1.04
34	31:36	0.99	10.000	0.12	27.38	30.00	0.812	0.890	0.91
35	24:05	1.00	10.000	0.09	29.96	30.00	1.062	1.063	1.00

301034

COMPUCHEM LABS

DUAL MASS SPECTRUM
12/09/87 11:41:00 + 6:13
SAMPLE: 10ML CC#170200
ENHANCED (S 15B 2N) 222 METHYLENE CHLORIDE

DATA: VH070200A03 #182 BASE M/E: 49/ 49
RIC: 36543./ 37695.

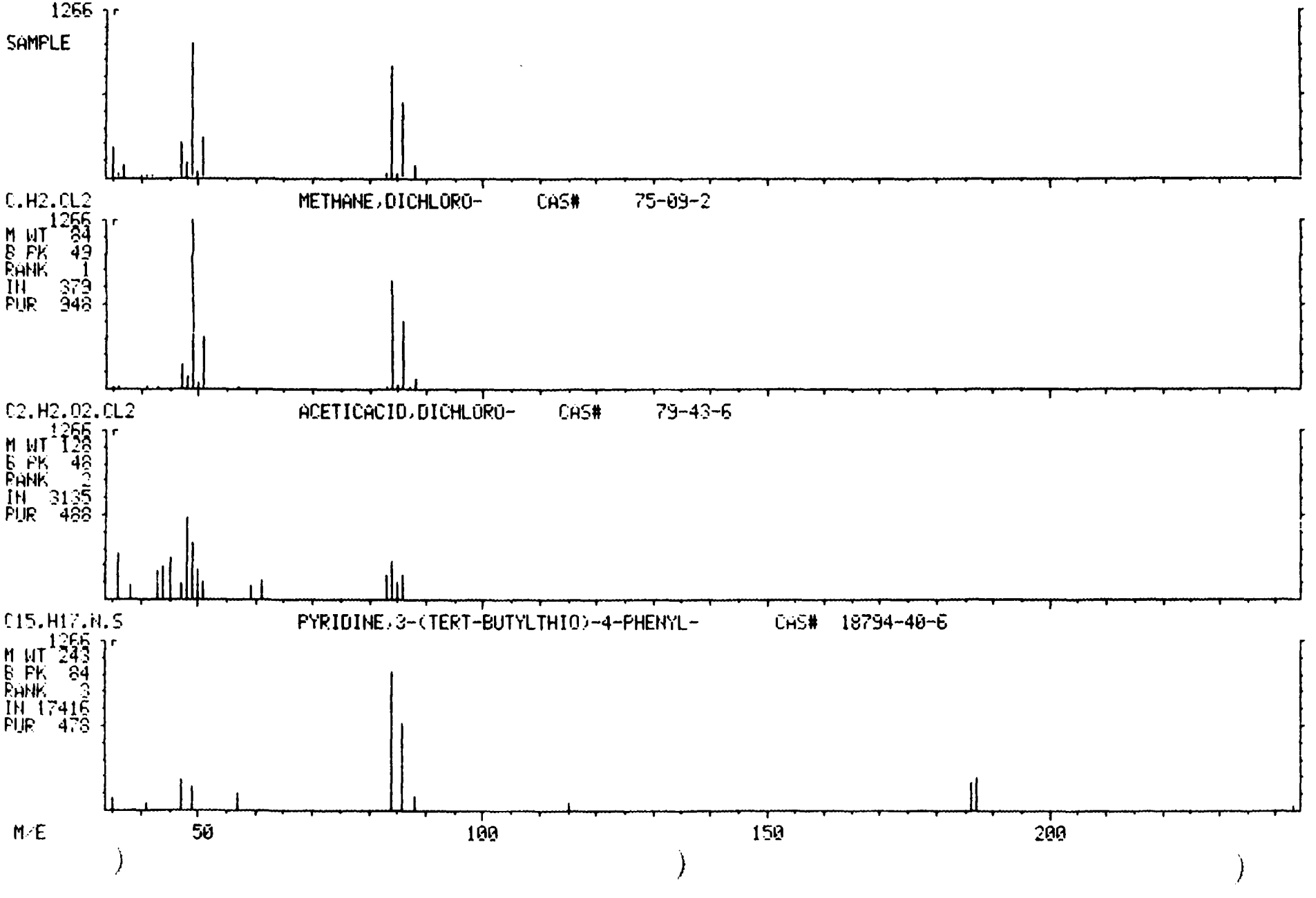


301035

COMPUCHEM LABS

LIBRARY SEARCH
12/09/87 11:41:00 + 6:13
SAMPLE: 10ML CC#170200
ENHANCED (S 15B 2N 0T)

DATA: VH070200A03 # 182
BASE M/E: 49
RIC: 36543.



COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: TELEDNPR-7
COMPUCHEM® SAMPLE NUMBER: 170201

		CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	26 B*	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	1,2-DICHLOROETHENE,(TOTAL)	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	TETRACHLOROETHENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

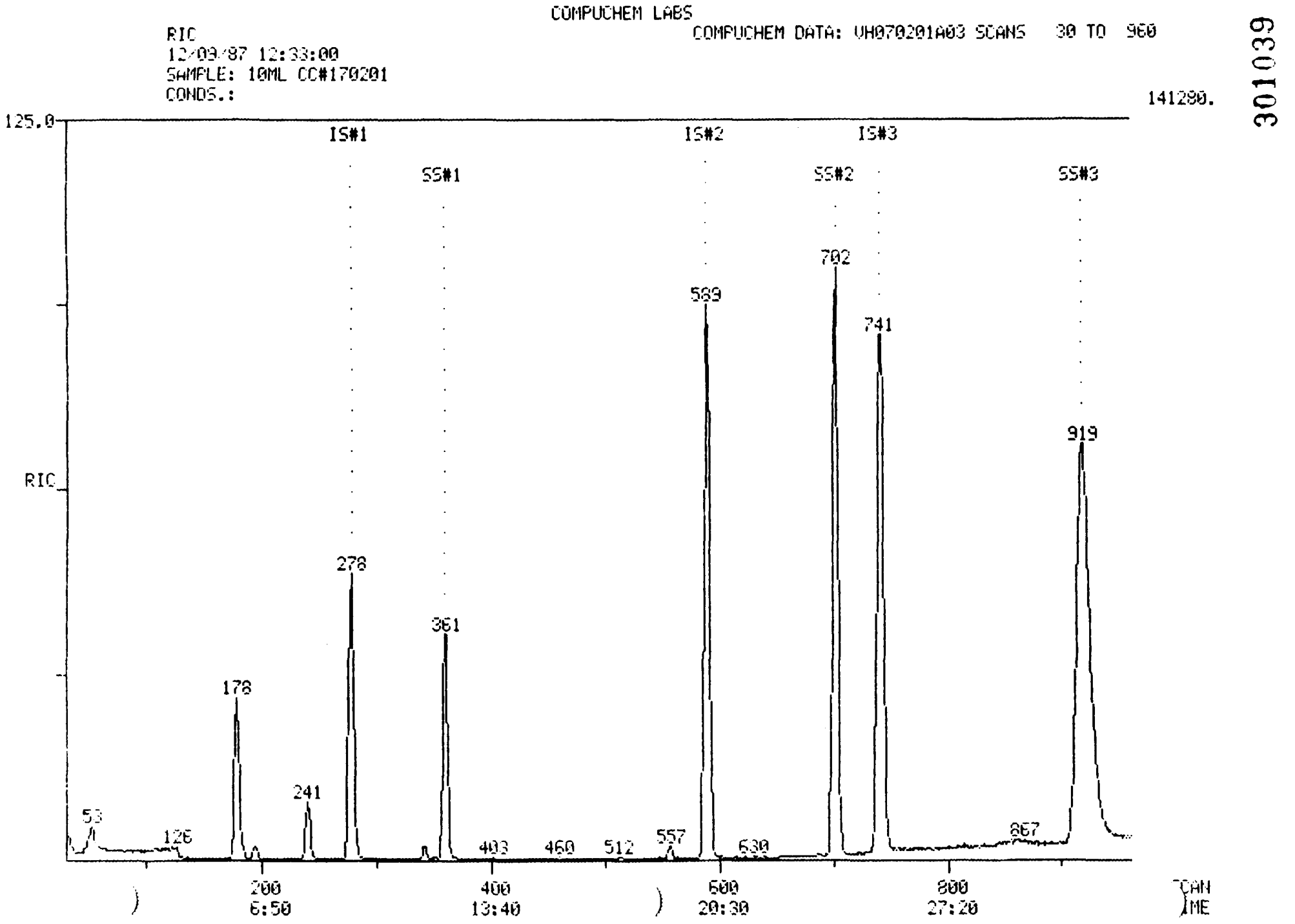
	% Recovery	Control Range%
D_4-1,2-Dichloroethane	106	(70-121)
4-Bromofluorobenzene	95	(74-121)
D_8-Toluene	101	(81-117)

BDL= BELOW DETECTION LIMIT
*See Quality Assurance Notice.

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE IDENTIFIER: TELEDNPR-7
COMPUCHEM NUMBER: 170201

CAS Number	Compound Name	Scan Number	Estimated Concentration (ug/kg)
1.	NO VOLATILE COMPOUNDS FOUND		
2.			
3.			
4.			
5.			


COMPUCHEM LABS
RIC
COMPUCHEM DATA: UH070201A03 SCANS 30 TO 960
12/09/87 12:33:00
SAMPLE: 10ML CC#170201
CONDS.:
141280.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
702
589
741
919
278
361
178
241
53
126
403
460
512
557
630
867
RIC
200
6:50
400
13:40
600
20:30
800
27:20
SCAN TIME

301039

QUANTITATION REPORT FILE: VH070201A03
DATA: VH070201A03 TI
12/09/87 12:33:00
SAMPLE: 10ML CC#170201
CONDS:
  MITTED BY: 03 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*248 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
20	229 TRICHLOROETHYLENE
	208 CHLORODIBROMOMETHANE
22	228 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#258 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#233 D8-TOLUENE

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

301040

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	278	9:30	1	1.000	A BB	44232	30.000 UG/L	14.39
2	50	NOT FOUND							
3	94	NOT FOUND							
4	62	NOT FOUND							
5	64	NOT FOUND							
6	84	178	6:05	1	0.640	A BB	37204.	26.187 UG/L	12.56
7	56	NOT FOUND							
8	53	NOT FOUND							
9	96	NOT FOUND							
10	63	NOT FOUND							
11	96	NOT FOUND							
12	83	342	11:41	1	1.230	A BB	5664.	1.599 UG/L	0.77
13	62	NOT FOUND							
14	114	589	20:07	14	1.000	A BB	232055.	30.000 UG/L	14.39
15	97	NOT FOUND							
16	117	NOT FOUND							
17	83	NOT FOUND							
18	63	NOT FOUND							
19	75	NOT FOUND							
20	130	NOT FOUND							
21	129	NOT FOUND							
22	97	NOT FOUND							
23	78	NOT FOUND							
24	75	NOT FOUND							
25	63	NOT FOUND							
26	173	NOT FOUND							
27	117	741	25:19	27	1.000	A BB	201320.	30.000 UG/L	14.39
28	164	NOT FOUND							
29	83	NOT FOUND							
30	92	NOT FOUND							
31	112	NOT FOUND							
32	106	NOT FOUND							
33	65	361	12:20	1	1.299	A BB	86478.	31.743 UG/L	15.23
34	95	918	31:22	27	1.239	A BB	171002.	28.647 UG/L	13.74
35	98	702	23:59	27	0.947	A BB	216508.	30.346 UG/L	14.55

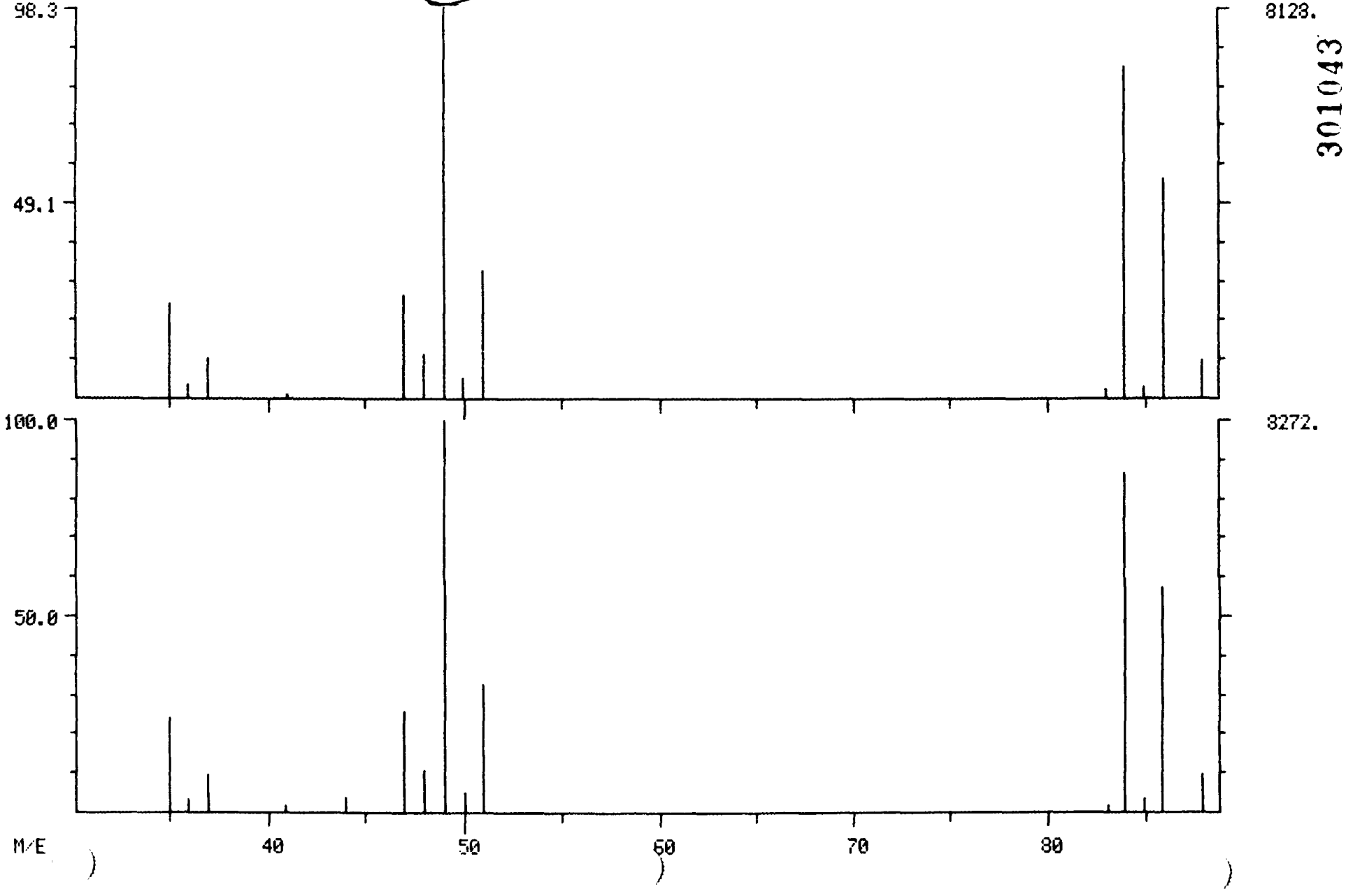
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:32	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
2	1:28		10.000			160.00		0.732	
3	2:21		10.000			160.00		1.228	
4	2:56		10.000			160.00		0.860	
5	3:56		10.000			160.00		0.549	
6	6:05	1.00	10.000	0.06	26.19	160.00	0.158	0.964	0.16
7	6:38		100.000			1600.00		0.054	
8	7:23		100.000			1600.00		0.134	
9	8:57		10.000			160.00		0.963	
10	10:21		10.000			160.00		1.539	
11	11:04		10.000			160.00		1.045	
12	11:43	1.00	10.000	0.12	1.60	160.00	0.024	2.402	0.01
13	12:28		10.000			160.00		1.541	
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:48		10.000			160.00		0.471	
16	14:13		10.000			160.00		0.448	
17	14:48		10.000			160.00		0.450	
18	16:12		10.000			160.00		0.185	
19	17:48		10.000			160.00		0.195	

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
20	17:01		10.000			160.00		0.342	
21	17:44		10.000			160.00		0.388	
	17:50		10.000			160.00		0.202	
	17:32		10.000			160.00		0.525	
24	16:28		10.000			160.00		0.392	
25	18:54		10.000			160.00		0.118	
26	20:34		10.000			160.00		0.367	
27	25:27	0.99	10.000	0.10	30.00	30.00	1.000	1.000	1.00
28	22:56		10.000			160.00		0.427	
29	22:58		10.000			160.00		0.428	
30	24:18		10.000			160.00		0.482	
31	25:35		10.000			160.00		0.781	
32	28:07		10.000			160.00		0.395	
33	12:22	1.00	10.000	0.13	31.74	30.00	1.955	1.848	1.06
34	31:36	0.99	10.000	0.12	28.65	30.00	0.849	0.890	0.95
35	24:05	1.00	10.000	0.09	30.35	30.00	1.075	1.063	1.01

COMPUCHEM LABS

DUAL MASS SPECTRUM
12/09/87 12:33:00 + 6:05
SAMPLE: 10ML CC#170201
ENHANCED (S 15B 2N) 222 METHYLENE CHLORIDE

DATA: VH070201A03 #178 BASE M/E: 49/ 49
RIC: 30111./ 31103.



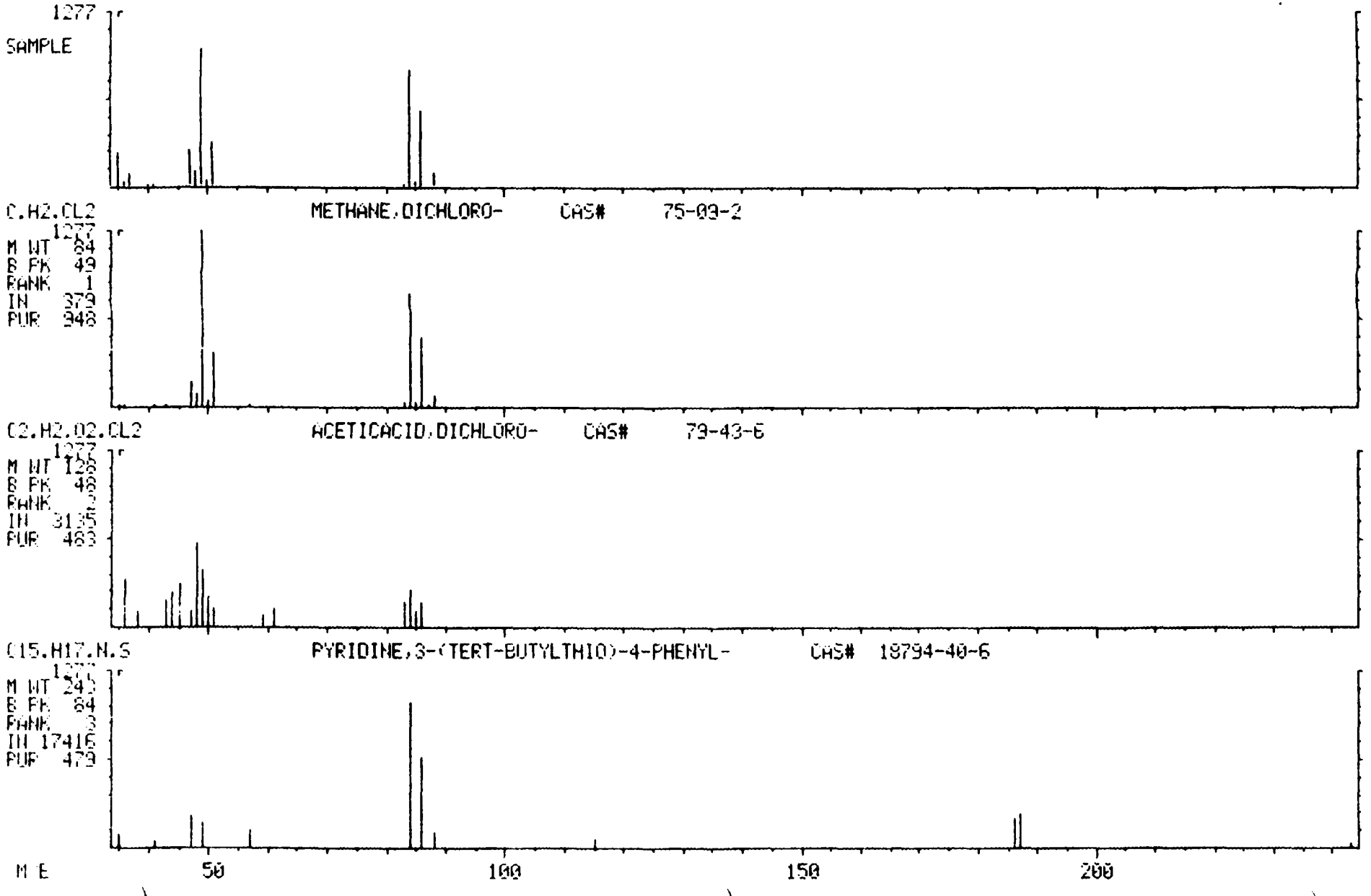
301043

COMPUCHEM LABS

LIBRARY SEARCH
12/09/87 12:33:00 + 6:05
SAMPLE: 10ML CC#170201
ENHANCED (S 15B 2N 0T)

DATA: VH070201A03 # 178
BASE M/E: 49
RIC: 30111.

301044



COMPOUND LIST - VOLATILE ORGANICS

SAMPLE IDENTIFIER: TELEDNPR-8
COMPUCHEM® SAMPLE NUMBER: 170202

		CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	30 B*	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	1,2-DICHLOROETHENE,(TOTAL)	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	TETRACHLOROETHENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

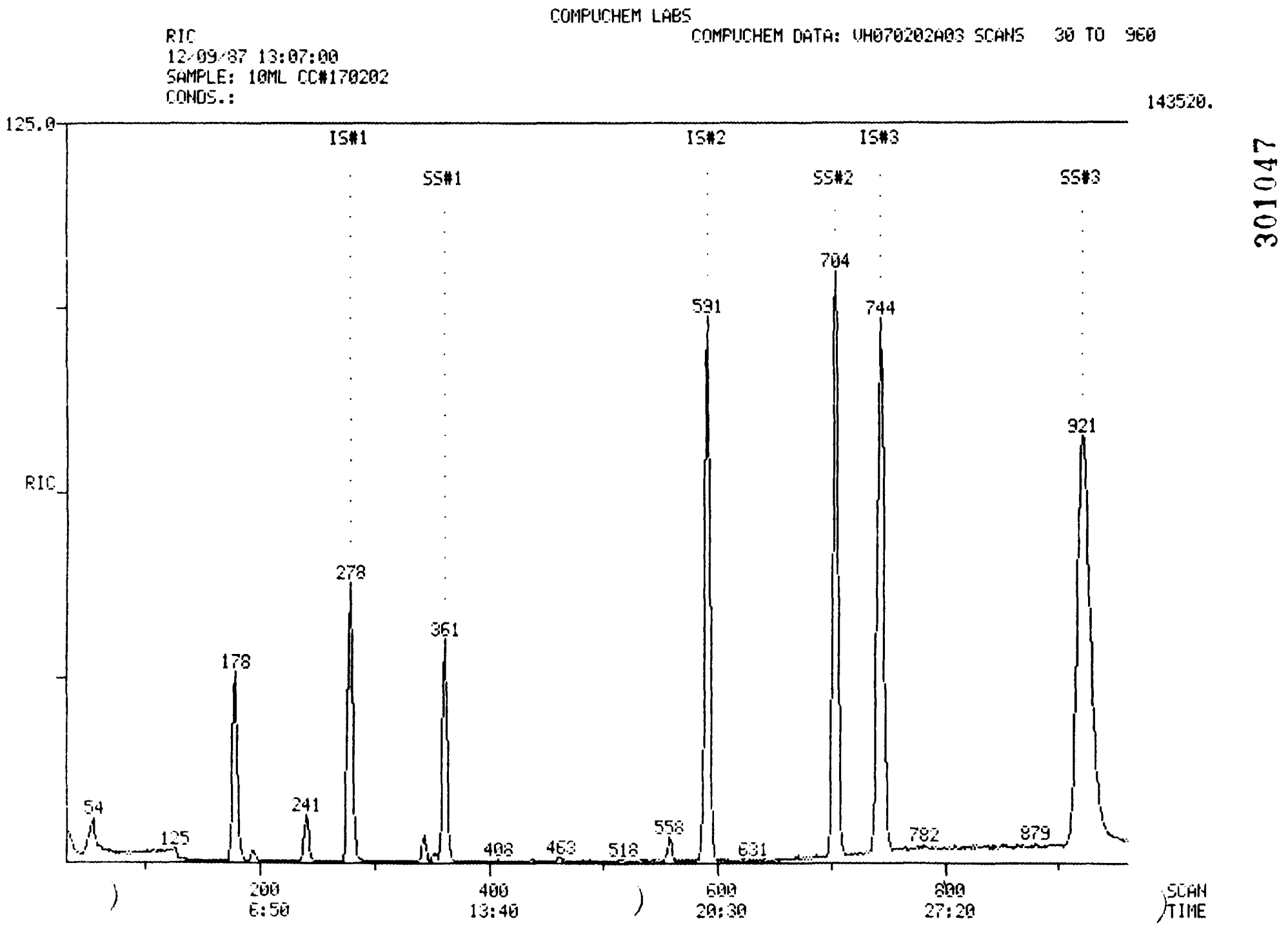
	% Recovery	Control Range%
D_4-1,2-Dichloroethane	105	(70-121)
4-Bromofluorobenzene	97	(74-121)
D_8-Toluene	98	(81-117)

BDL= BELOW DETECTION LIMIT
*See Quality Assurance Notice.

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE IDENTIFIER: TELEDNPR-8
COMPUCHEM NUMBER: 170202

	CAS Number	Compound Name	Scan Number	Estimated Concentration (ug/kg)
1.		NO VOLATILE COMPOUNDS FOUND		
2.				
3.				
4.				
5.				


COMPUCHEM LABS
RIC
COMPUCHEM DATA: VH070202A03 SCANS 30 TO 960
12/09/87 13:07:00
SAMPLE: 10ML CC#170202
CONDS.:
143520.
125.0
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
704
591
744
278
361
178
921
RIC
54
125
241
408
463
518
558
631
782
879
200
6:50
400
13:40
600
20:30
800
27:20
SCAN
TIME

3010047

QUANTITATION REPORT FILE: VH070202A03
DATA: VH070202A03 TI
12/09/87 13:07:00
SAMPLE: 10ML CC#170202
DS:
SUBMITTED BY: 03 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*248 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
	229 TRICHLOROETHYLENE
	208 CHLORODIBROMOMETHANE
22	228 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#258 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#239 D8-TOLUENE

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	128	278	9:30	1	1.000	A BB	44075.	30.000 UG/L	14.05
2	50	NOT FOUND							
3	94	NOT FOUND							
	62	NOT FOUND							
5	64	NOT FOUND							
6	84	178	6:05	1	0.640	A BB	43238.	30.542 UG/L	14.31
7	56	NOT FOUND							
8	53	NOT FOUND							
9	96	NOT FOUND							
10	63	NOT FOUND							
11	96	NOT FOUND							
12	83	343	11:43	1	1.234	A BB	9947.	2.818 UG/L	1.32
13	62	NOT FOUND							
14	114	591	20:12	14	1.000	A BV	231040.	30.000 UG/L	14.05
15	97	NOT FOUND							
16	117	NOT FOUND							
17	83	NOT FOUND							
18	63	NOT FOUND							
19	75	NOT FOUND							
20	130	NOT FOUND							
21	129	NOT FOUND							
22	97	NOT FOUND							
23	78	NOT FOUND							
24	75	NOT FOUND							
25	63	NOT FOUND							
26	173	NOT FOUND							
27	117	744	25:25	27	1.000	A BB	209296.	30.000 UG/L	14.05
28	164	NOT FOUND							
29	83	NOT FOUND							
	92	NOT FOUND							
31	112	NOT FOUND							
32	106	NOT FOUND							
33	65	361	12:20	1	1.299	A BB	85541.	31.511 UG/L	14.76
34	95	921	31:28	27	1.238	A BB	180610.	29.104 UG/L	13.63
35	98	704	24:03	27	0.946	A BB	219050.	29.532 UG/L	13.83

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:32	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
2	1:28		10.000			160.00		0.732	
3	2:21		10.000			160.00		1.228	
4	2:56		10.000			160.00		0.860	
5	3:56		10.000			160.00		0.549	
6	6:05	1.00	10.000	0.06	30.54	160.00	0.184	0.964	0.19
7	6:38		100.000			1600.00		0.054	
8	7:23		100.000			1600.00		0.134	
9	8:57		10.000			160.00		0.963	
10	10:21		10.000			160.00		1.539	
11	11:04		10.000			160.00		1.045	
12	11:43	1.00	10.000	0.12	2.82	160.00	0.042	2.402	0.02
13	12:28		10.000			160.00		1.541	
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:48		10.000			160.00		0.471	
16	14:13		10.000			160.00		0.448	
17	14:48		10.000			160.00		0.450	
18	16:12		10.000			160.00		0.185	
19	17:48		10.000			160.00		0.195	

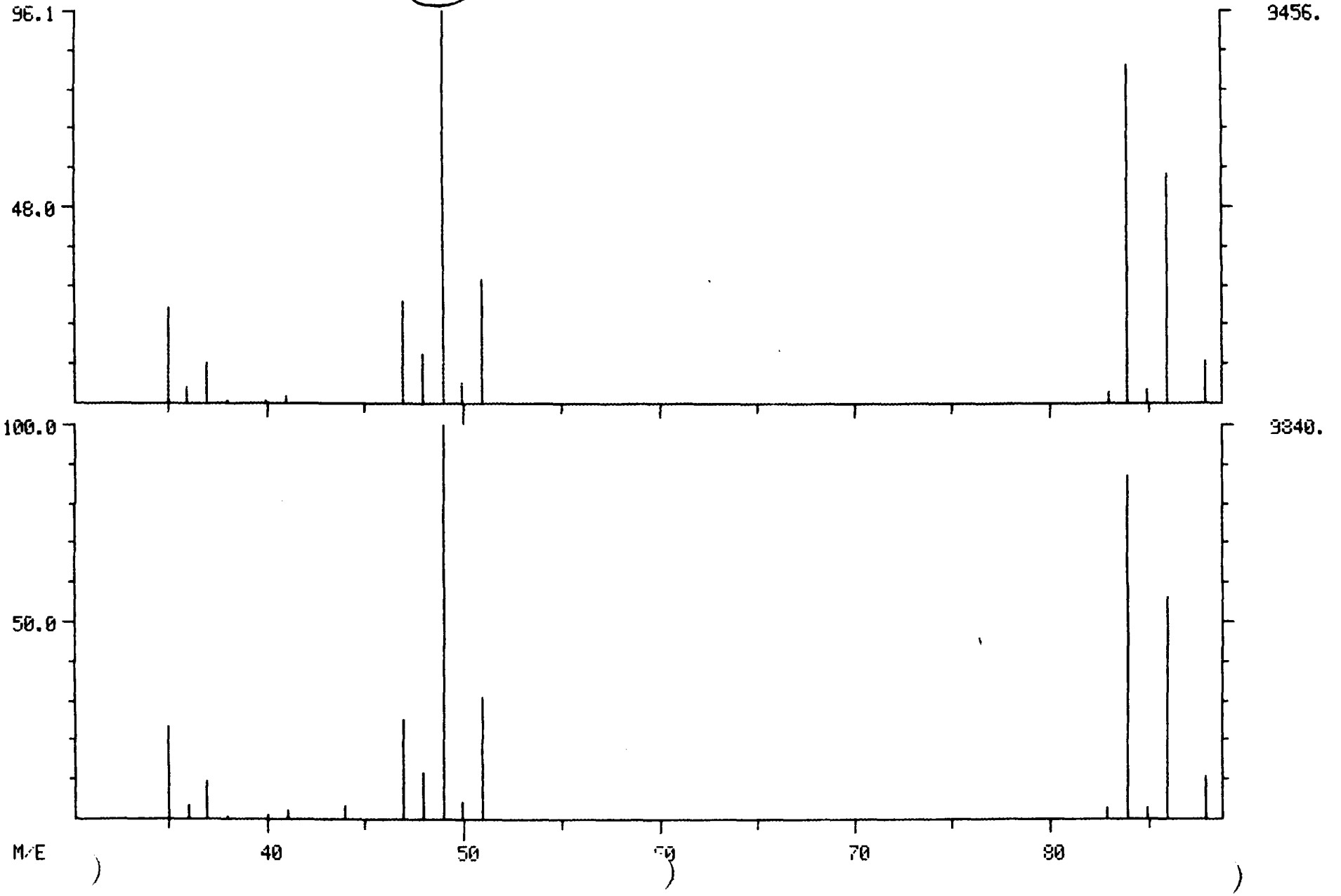
NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
20	17:01		10.000			160.00		0.342	
21	17:44		10.000			160.00		0.388	
22	17:50		10.000			160.00		0.202	
23	17:32		10.000			160.00		0.525	
	16:28		10.000			160.00		0.392	
25	18:54		10.000			160.00		0.118	
26	20:34		10.000			160.00		0.367	
27	25:27	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
28	22:56		10.000			160.00		0.427	
29	22:58		10.000			160.00		0.428	
30	24:18		10.000			160.00		0.482	
31	25:35		10.000			160.00		0.781	
32	28:07		10.000			160.00		0.395	
33	12:22	1.00	10.000	0.13	31.51	30.00	1.941	1.848	1.05
34	31:36	1.00	10.000	0.12	29.10	30.00	0.863	0.890	0.97
35	24:05	1.00	10.000	0.09	29.53	30.00	1.047	1.063	0.98

COMPUCHEM LABS

DUAL MASS SPECTRUM
12/09/87 13:07:00 + 6:05
SAMPLE: 10ML CC#170202
ENHANCED (S 15B 2N) 222 METHYLENE CHLORIDE

DATA: VH070202A03 #178 BASE M/E: 49/ 49
RIC: 35711./ 36991.

301051

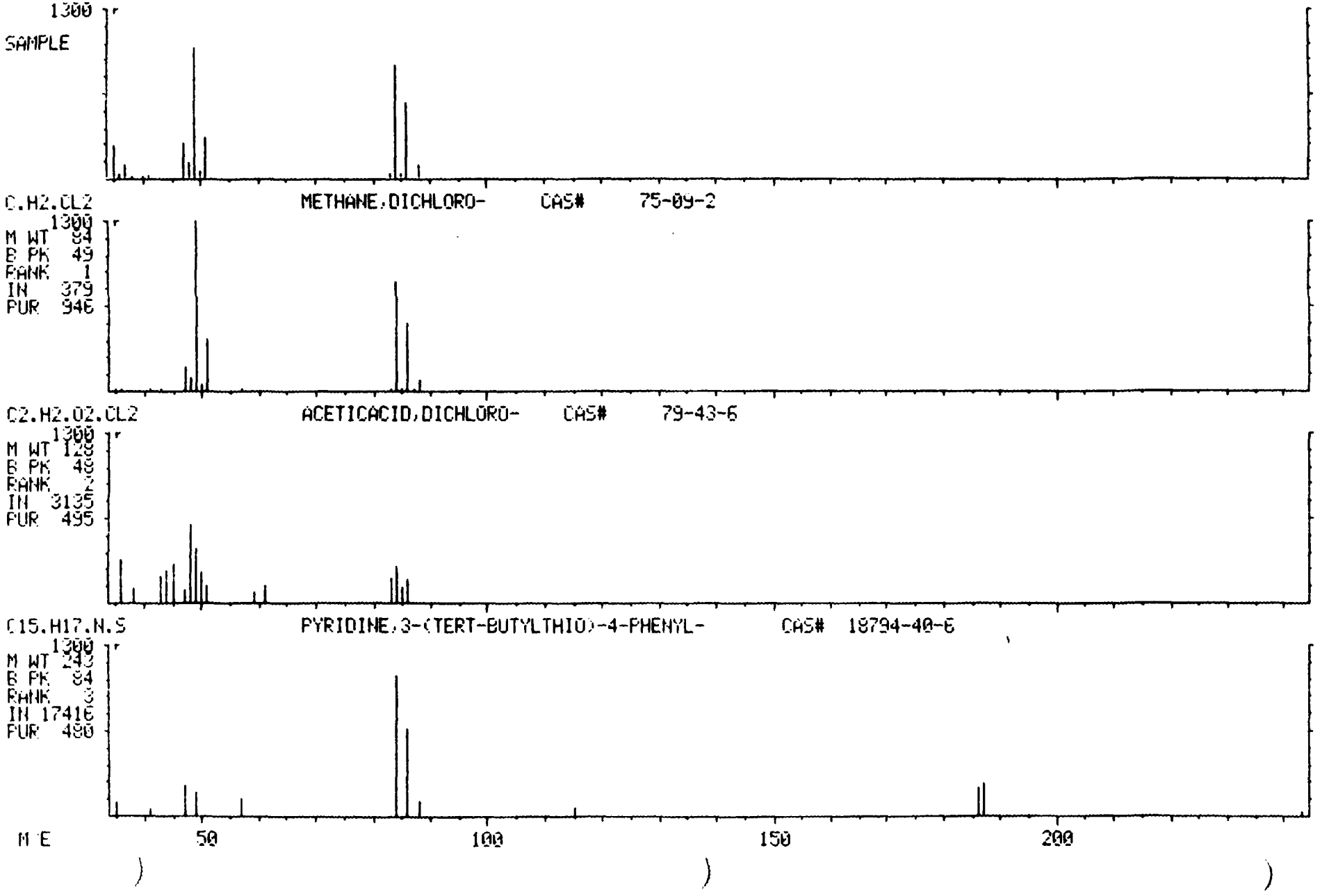


COMPUCHEM LABS

LIBRARY SEARCH
12/09/87 13:07:00 + 6:05
SAMPLE: 10ML CC#170202
ENHANCED (S 15B 2N 0T)

DATA: VH070202A03 # 178
BASE M/E: 49
RIC: 35711.

301052



COMPOUND LIST - VOLATILE ORGANICS

COMPUCHEM INSTRUMENT BLANK ID: V8871209A03

SAMPLE IDENTIFIER: TELEDNPR-5, TELEDNPR-6, TELEDNPR-7, TELEDNPR-8
COMPUCHEM® SAMPLE NUMBER: 170199, 170200, 170201, 170202

		CONCENTRATION (ug/L)	DETECTION LIMIT (ug/L)
1V.	CHLOROMETHANE	BDL	10
2V.	BROMOMETHANE	BDL	10
3V.	VINYL CHLORIDE	BDL	10
4V.	CHLOROETHANE	BDL	10
5V.	METHYLENE CHLORIDE	23	10
6V.	ACROLEIN	BDL	100
7V.	ACRYLONITRILE	BDL	100
8V.	1,1-DICHLOROETHENE	BDL	10
9V.	1,1-DICHLOROETHANE	BDL	10
10V.	1,2-DICHLOROETHENE,(TOTAL)	BDL	10
11V.	CHLOROFORM	BDL	10
12V.	1,2-DICHLOROETHANE	BDL	10
13V.	1,1,1-TRICHLOROETHANE	BDL	10
14V.	CARBON TETRACHLORIDE	BDL	10
15V.	BROMODICHLOROMETHANE	BDL	10
16V.	1,2-DICHLOROPROPANE	BDL	10
17V.	TRANS-1,3-DICHLOROPROPENE	BDL	10
18V.	TRICHLOROETHENE	BDL	10
19V.	DIBROMOCHLOROMETHANE	BDL	10
20V.	1,1,2-TRICHLOROETHANE	BDL	10
21V.	BENZENE	BDL	10
22V.	CIS-1,3-DICHLOROPROPENE	BDL	10
23V.	2-CHLOROETHYL VINYL ETHER	BDL	10
24V.	BROMOFORM	BDL	10
25V.	TETRACHLOROETHENE	BDL	10
26V.	1,1,2,2-TETRACHLOROETHANE	BDL	10
27V.	TOLUENE	BDL	10
28V.	CHLOROBENZENE	BDL	10
29V.	ETHYLBENZENE	BDL	10

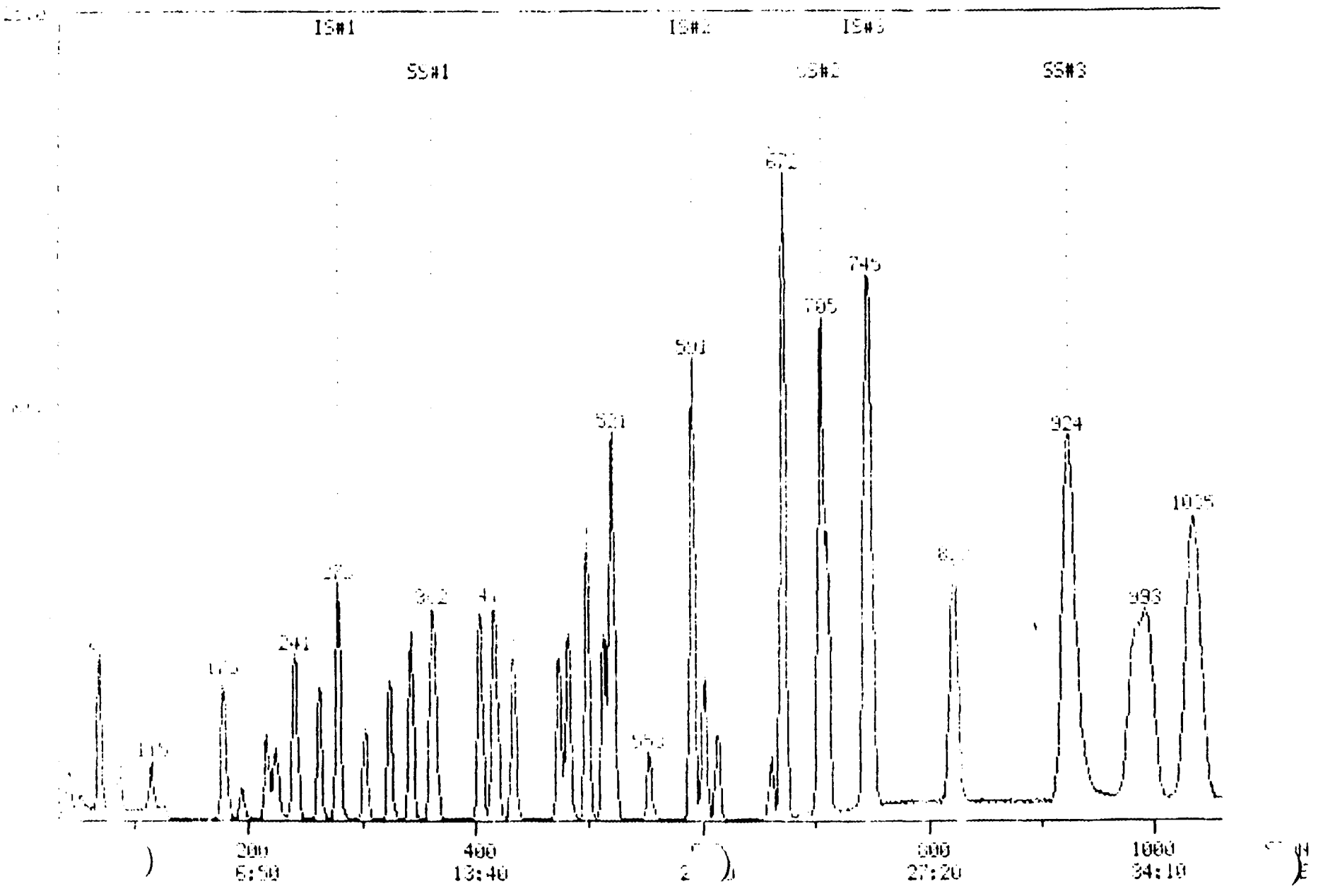
Surrogate Recoveries - Introduced at the instrument, volatile surrogate standards are deuterated and/or select compounds that analytically mimic the response of certain analytes. Known concentrations of these surrogates are added to the sample and a percent recovery is calculated. This recovery acts as a barometer of method efficiency for the individual sample.

	% Recovery	Control Range%
D_4-1,2-Dichloroethane	94	(70-121)
4-Bromofluorobenzene	95	(74-121)
D_8-Toluene	95	(81-117)

BDL= BELOW DETECTION LIMIT

COMPUCHEM LABS

COMPUCHEM DATA: UT87209A03 SCANS 3: TO 1060



QUANTITATION REPORT [illegible]
DATA: VT871209A00 T1
12/09/87 11:02 [illegible]
SAMPLE: [illegible]
CONDS:
SUBMITTED BY: [illegible]

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*248 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
20	229 TRICHLOROETHYLENE
21	208 CHLORODIBROMOMETHANE
	226 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#259 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#233 D8-TOLUENE
36	251 STYRENE
37	240 M-XYLENE
38	271 O,P XYLENE

SuBoo 12/10/87

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	279	9:32	1	1.000	A BB	45589	30.000 UG/L	2.56
2	50	43	1:28	1	0.154	A BB	28981	24.144 UG/L	2.06
3	94	69	2:21	1	0.247	A BB	51516	23.837 UG/L	2.03
4	62	86	2:56	1	0.308	A BB	35911	24.224 UG/L	2.06
5	64	115	3:56	1	0.412	A BB	21719	23.445 UG/L	2.00
6	84	178	6:05	1	0.635	A BB	40485	27.648 UG/L	2.36

301055

NO	M B	SLAT	TIME	RET	FAC	METH	AREA(HGHT)	AMOUNT		%TOT
7	5[illegible]	19[illegible]	6 [illegible]	1	0 [illegible]	A BB	15[illegible]	164 131	UG/L	10 [illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	9e	262	8 57	1	0 939	A BB	30652.	19 815	UG/L	1 69
10	21	7[illegible]	11 [illegible]	1	1 07	A BB	6[illegible]	21 541	UG/L	1 [illegible]
11	9e	08[illegible]	11 14	1	1 161	A BB	34395.	20 685	UG/L	1 76
12	83	340	11 43	1	1 229	A BB	80428	22 031	UG/L	1 89
13	62	365	12 26	1	1 300	A BB	49624	20 480	UG/L	1 74
14	114	59[illegible]	20 12	14	1 013	A BB	245046	33 000	UG/L	2 54
15	97	404	13 48	14	0 684	A BB	82246	20 137	UG/L	1 72
16	117	416	14 13	14	0 704	A VB	74286.	19 380	UG/L	1 65
17	83	439	14 48	14	0 733	A BB	71423	18 855	UG/L	1 61
18	63	474	16 12	14	0 802	A BB	31747.	19 743	UG/L	1 69
19	75	521	17 48	14	0 882	A VB	30128.	17 844	UG/L	1 52
20	130	496	17 01	14	0 843	A BB	66143.	21 743	UG/L	1 85
21	125	519	17 44	14	0 878	A BB	63053	18 965	UG/L	1 62
22	97	524	17 50	14	0 883	A BB	39471	21 688	UG/L	1 85
23	78	513	17 32	14	0 868	A BV	97363.	21 172	UG/L	1 80
24	75	482	16 28	14	0 816	A VB	62468.	18 647	UG/L	1 59
25	63	553	18 54	14	0 936	A BB	18394.	18 487	UG/L	1 57
26	173	602	20 34	14	1 019	A BB	51531	17 039	UG/L	1 45
27	117	745	25 27	27	1 000	A BB	219517.	30 000	UG/L	2 56
28	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A BB	64451.	24 051	UG/L	2 05
29	85	672	22 56	27	0 900	A BB	64700.	19 525	UG/L	1 66
30	93	711	24 18	27	0 954	A BB	76094.	20 499	UG/L	1 75
31	118	749	25 35	27	1 005	A BB	124671	20 737	UG/L	1 77
32	106	823	28 07	27	1 105	A BB	65855.	21 226	UG/L	1 81
33	65	382	12 22	1	1 297	A BB	81849.	29 150	UG/L	2 48
34	95	929	31 34	27	1 243	A BB	188903	29 023	UG/L	2 47
35	98	709	24 01	27	0 943	A BB	227068	29 188	UG/L	2 49
36	104	983	33 33	27	1 318	A BB	126545	20 872	UG/L	1 78
37	106	994	33 59	27	1 334	A BB	89023	23 150	UG/L	1 97
38	101	1005	35 22	27	1 357	A BB	148267	43 166	UG/L	3 68

NO	RET(L)	RATIO	RET(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:39	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
2	1:28	1.00	10.000	0.07	24.14	160.00	0.119	0.790	0.15
3	2:26	0.97	10.000	0.06	23.84	160.00	0.212	1.422	0.15
4	3:00	0.99	10.000	0.07	24.22	160.00	0.148	0.976	0.15
5	4:02	0.97	10.000	0.04	23.45	160.00	0.089	0.610	0.15
6	6:13	0.98	10.000	0.06	27.65	160.00	0.167	0.964	0.17
7	6:42	0.98	100.000	0.01	164.13	1600.00	0.006	0.061	0.10
8	7:29	0.99	100.000	0.01	178.55	1600.00	0.017	0.156	0.11
9	9:01	0.99	10.000	0.09	19.81	160.00	0.126	1.018	0.12
10	10:23	1.00	10.000	0.11	20.54	160.00	0.206	1.607	0.13
11	11:06	1.00	10.000	0.12	20.69	160.00	0.141	1.094	0.13
12	11:45	1.00	10.000	0.12	22.03	160.00	0.331	2.402	0.14
13	12:30	1.00	10.000	0.13	20.48	160.00	0.205	1.601	0.13
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:50	1.00	10.000	0.07	20.14	160.00	0.063	0.500	0.13
16	14:15	1.00	10.000	0.07	19.38	160.00	0.057	0.469	0.12
17	14:50	1.00	10.000	0.07	18.86	160.00	0.055	0.464	0.12
18	16:12	1.00	10.000	0.08	19.74	160.00	0.024	0.197	0.12
19	17:48	1.00	10.000	0.09	17.84	160.00	0.023	0.207	0.11
20	17:01	1.00	10.000	0.08	21.74	160.00	0.051	0.372	0.14
21	17:44	1.00	10.000	0.09	18.97	160.00	0.048	0.407	0.12
22	17:50	1.00	10.000	0.09	21.69	160.00	0.030	0.223	0.14

NO	RD	RATIO	RI	RATIO	AMT	AMT(L)	R FAC	R FAC(L)	RATIO
23	17 39	1 00	10 000	0 09	21 17	160 00	0 074	0 583	0 13
24	18 7				12 18	160 0	0 [illegible]	0 [illegible]	[illegible]
25	18 54	1 00	10 000	0 09	16 49	160 00	0 014	0 122	0 12
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17 [illegible]	160 00	0 [illegible]	0 [illegible]	[illegible]
	25 21	1 00	10 000	0 1	30 00	30 00	1 000	1 000	1 00
28	23 51	1 00	10 000	0 09	24 05	160 00	0 072	0 480	0 15
29	22 53	1 00	10 000	0 09	19 53	160 00	0 055	0 453	0 12
30	24 11	1 00	10 000	0 10	20 50	160 00	0 065	0 507	0 13
31	25 33	1 00	10 000	0 11	20 74	160 00	0 106	0 822	0 13
32	28 03	1 00	10 000	0 11	21 23	160 00	0 056	0 424	0 13
33	12 24	1 00	10 000	0 15	29 15	30 00	1 795	1 848	0 97
34	31 30	1 00	10 000	0 12	29 02	30 00	0 861	0 890	0 97
35	24 03	1 00	10 000	0 09	29 19	30 00	1 034	1 063	0 97
36	33 27	1 00	5 000	0 26	20 87	160 00	0 108	0 829	0 13
37	33 54	1 00	5 000	0 27	23 15	160 00	0 076	0 526	0 14
38	35 14	1 00	5 000	0 28	43 17	320 00	0 063	0 469	0 13

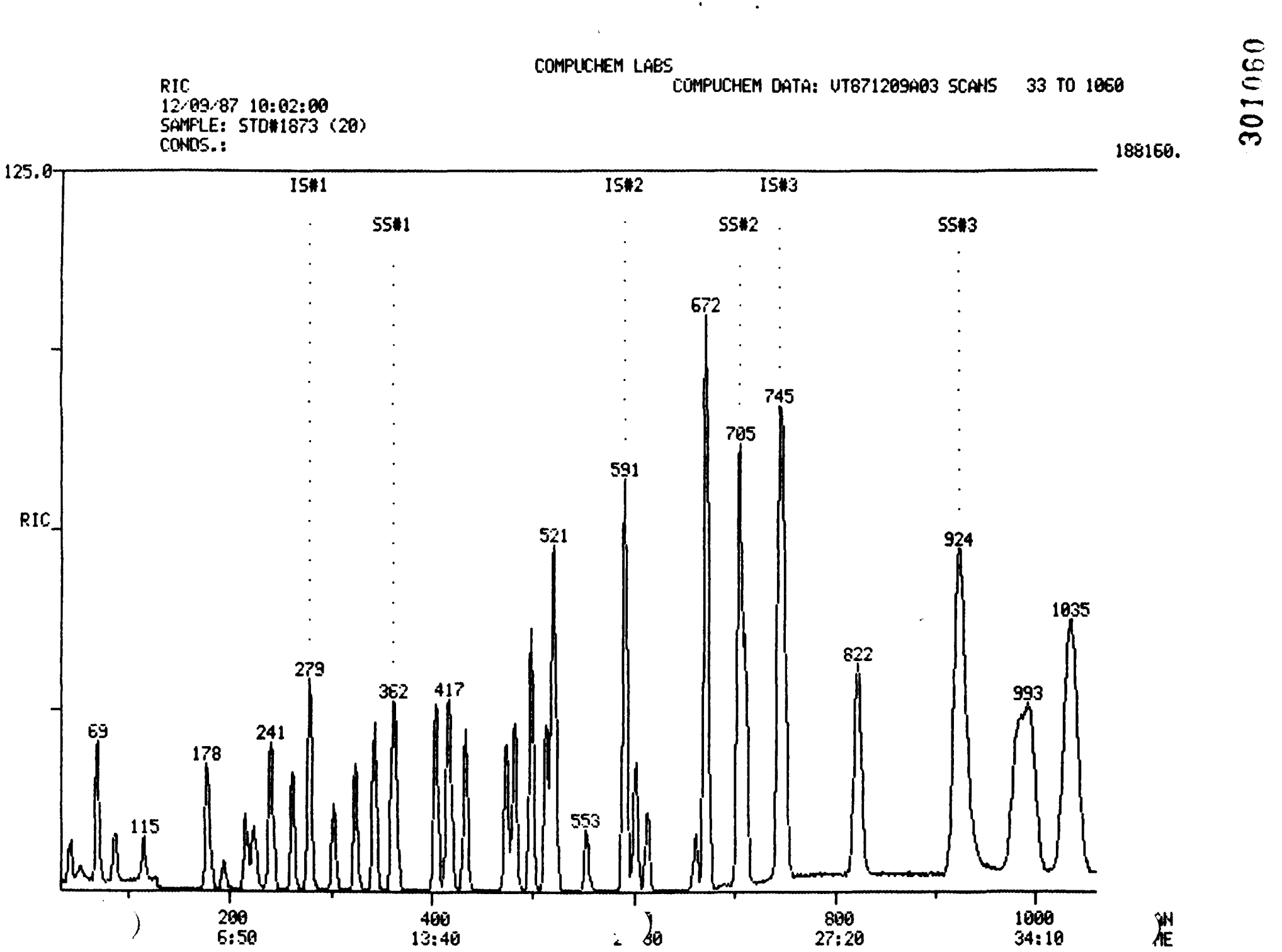
COMMERCIAL SPIKE RECOVERY

	SPIKE CC # 170681	ORIGINAL CC # 170202	RECOVERY	RANGE	P/F
CHLOROMETHANE	21.4	0	21.4	D - 54.6	PASS
BROMOMETHANE	23.1	0	23.1	D - 48.4	PASS
VINYL CHLORIDE	22.2	0	22.2	D - 50.2	PASS
CHLOROETHANE	22.8	0	22.8	2.8 - 46.0	PASS
METHYLENE CHLORIDE	55.7	30.5	25.2	D - 44.2	PASS
ACROLEIN	189	0	189	D - 300.0	PASS
ACRYLONITRILE	228	0	228	D - 300.0	PASS
1,1-DICHLOROETHYLENE	22.1	0	22.1	D - 46.8	PASS
1,1-DICHLOROETHANE	22.3	0	22.3	11.8 - 31.0	PASS
TRANS-1,2-DICHLOROETHENE	22.4	0	22.4	10.8 - 31.2	PASS
CHLOROFORM	26.4	0	26.4	10.2 - 27.6	PASS
1,2-DICHLOROETHANE	24.1	0	24.1	9.8 - 31.0	PASS
1,1,1-TRICHLOROETHANE	21.3	0	21.3	10.4 - 32.4	PASS
CARBON TETRACHLORIDE	20.1	0	20.1	14.0 - 28.0	PASS
BROMODICHLOROMETHANE	20	0	20	7.0 - 31.0	PASS
1,2-DICHLOROPROPANE	22.2	0	22.2	D - 42.0	PASS
TRANS-1,3-DICHLOROPROPENE	20.5	0	20.5	3.4 - 36.6	PASS
TRICHLOROETHENE	22.4	0	22.4	14.2 - 31.4	PASS
DIBROMOCHLOROMETHANE	20	0	20	10.6 - 28.8	PASS
1,1,2-TRICHLOROETHANE	24.4	0	24.4	10.4 - 30.0	PASS
BENZENE	23	0	23	7.4 - 30.2	PASS
CIS-1,3-DICHLOROPROPENE	20.6	0	20.6	D - 45.4	PASS
2-CHLOROETHYLVINYLETHER	22.9	0	22.9	D - 61.0	PASS
BROMOFORM	17.3	0	17.3	9.0 - 33.8	PASS
TETRACHLOROETHENE	23.4	0	23.4	12.8 - 29.6	PASS
1,1,2,2-TETRACHLOROETHANE	23.5	0	23.5	9.2 - 31.4	PASS
TOLUENE	22.1	0	22.1	9.4 - 30.0	PASS
CHLOROBENZENE	21.4	0	21.4	7.4 - 32.0	PASS
ETHYLBENZENE	22.2	0	22.2	7.4 - 32.4	PASS

CALIBRATION CHECK/TUNING COMPARISON - BF871209A03

Associated Samples:

SAMPLE IDENTIFIERS:	COMPUCHEM® SAMPLE NUMBERS:
TELEDNPR-5	170199
TELEDNPR-6	170200
TELEDNPR-7	170201
TELEDNPR-8	170202


COMPUCHEM LABS
RIC
12/09/87 10:02:00
SAMPLE: STD#1873 (20)
CONDS.:
COMPUCHEM DATA: VT871209A03 SCANS 33 TO 1060
188160.
125.0
RIC
IS#1
IS#2
IS#3
SS#1
SS#2
SS#3
69
115
178
241
279
362
417
521
553
591
672
705
745
822
924
993
1035
200
6:50
400
13:40
800
27:20
1000
34:10
301060

QUANTITATION REPORT FILE: VT871209A03
DATA: VT871209A03.TI
12/09/87 10:02:00
SAMPLE: STD#1873 (20)
CONDS.:
SUBMITTED BY: 03 ANALYST: 819

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

NO	NAME
1	*234 BROMOCHLOROMETHANE (IS)
2	221 CHLOROMETHANE
3	220 BROMOMETHANE
4	231 VINYL CHLORIDE
5	209 CHLOROETHANE
6	222 METHYLENE CHLORIDE
7	201 ACROLEIN
8	202 ACRYLONITRILE
9	216 1,1-DICHLOROETHYLENE
10	214 1,1-DICHLOROETHANE
11	226 TRANS-1,2-DICHLOROETHYLENE
12	211 CHLOROFORM
13	215 1,2-DICHLOROETHANE
14	*248 1,4 DIFLUOROBENZENE (IS)
15	227 1,1,1-TRICHLOROETHANE
16	206 CARBON TETRACHLORIDE
17	212 BROMODICHLOROMETHANE
18	217 1,2-DICHLOROPROPANE
19	250 TRANS-1,3-DICHLOROPROPENE
20	229 TRICHLOROETHYLENE
	208 CHLORODIBROMOMETHANE
	228 1,1,2-TRICHLOROETHANE
23	203 BENZENE
24	218 CIS-1,3-DICHLOROPROPENE
25	210 2-CHLOROETHYL VINYL ETHER
26	205 BROMOFORM
27	*270 D5-CHLOROBENZENE (IS)
28	224 TETRACHLOROETHENE
29	223 1,1,2,2-TETRACHLOROETHANE
30	225 TOLUENE
31	207 CHLOROBENZENE
32	219 ETHYLBENZENE
33	#258 D4-1,2-DICHLOROETHANE
34	#247 BROMOFLUOROBENZENE
35	#233 D8-TOLUENE
36	251 STYRENE
37	240 M-XYLENE
38	271 O,P XYLENE

Sue Baas 12/10/87

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT	%TOT
1	128	279	9:32	1	1.000	A BB	45589.	30.000 UG/L	2.56
2	50	43	1:28	1	0.154	A BB	28981.	24.144 UG/L	2.06
3	94	69	2:21	1	0.247	A BB	51516.	23.837 UG/L	2.03
4	62	86	2:56	1	0.308	A BB	35911.	24.224 UG/L	2.06
5	64	115	3:56	1	0.412	A BB	21719.	23.445 UG/L	2.00
6	84	178	6:05	1	0.638	A BB	40485.	27.648 UG/L	2.36

NO	M/E	SCAN	TIME	REF	RRT	METH	AREA(HGHT)	AMOUNT		%TOT
7	56	194	6:38	1	0.695	A BB	15254.	164.131	UG/L	13.98
8	53	216	7:23	1	0.774	A BB	42417.	178.546	UG/L	15.21
9	96	262	8:57	1	0.939	A BB	30652.	19.815	UG/L	1.69
~	63	303	10:21	1	1.086	A BB	50150.	20.540	UG/L	1.75
	96	324	11:04	1	1.161	A BB	34395.	20.685	UG/L	1.76
12	83	343	11:43	1	1.229	A BB	80428.	22.031	UG/L	1.88
13	62	365	12:28	1	1.308	A BB	49824.	20.480	UG/L	1.74
14	114	591	20:12	14	1.000	A BB	245048.	30.000	UG/L	2.56
15	97	404	13:48	14	0.684	A BB	82248.	20.137	UG/L	1.72
16	117	416	14:13	14	0.704	A VB	74286.	19.380	UG/L	1.65
17	83	433	14:48	14	0.733	A BB	71423.	18.855	UG/L	1.61
18	63	474	16:12	14	0.802	A BB	31747.	19.743	UG/L	1.68
19	75	521	17:48	14	0.882	A VB	30128.	17.844	UG/L	1.52
20	130	498	17:01	14	0.843	A BB	66143.	21.743	UG/L	1.85
21	129	519	17:44	14	0.878	A BB	63053.	18.965	UG/L	1.62
22	97	522	17:50	14	0.883	A BB	39471.	21.688	UG/L	1.85
23	78	513	17:32	14	0.868	A BV	97363.	21.172	UG/L	1.80
24	75	482	16:28	14	0.816	A VB	62468.	18.647	UG/L	1.59
25	63	553	18:54	14	0.936	A BB	18394.	18.487	UG/L	1.57
26	173	602	20:34	14	1.019	A BB	51531.	17.039	UG/L	1.45
27	117	745	25:27	27	1.000	A BB	219517.	30.000	UG/L	2.56
28	164	671	22:56	27	0.901	A BB	84451.	24.051	UG/L	2.05
29	83	672	22:58	27	0.902	A BB	64700.	19.525	UG/L	1.66
30	92	711	24:18	27	0.954	A BB	76094.	20.499	UG/L	1.75
31	112	749	25:35	27	1.005	A BB	124671.	20.737	UG/L	1.77
32	106	823	28:07	27	1.105	A BB	65855.	21.226	UG/L	1.81
33	65	362	12:22	1	1.297	A BB	81849.	29.150	UG/L	2.48
34	95	925	31:36	27	1.242	A BB	188903.	29.023	UG/L	2.47
35	98	705	24:05	27	0.946	A BB	227068.	29.188	UG/L	2.49
	104	982	33:33	27	1.318	A BB	126545.	20.872	UG/L	1.78
~	106	994	33:58	27	1.334	A BB	89023.	23.150	UG/L	1.97
38	106	1035	35:22	27	1.389	A BB	148267.	43.166	UG/L	3.68

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R.FAC	R.FAC(L)	RATIO
1	9:34	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
2	1:28	1.00	10.000	0.02	24.14	160.00	0.119	0.790	0.15
3	2:26	0.97	10.000	0.02	23.84	160.00	0.212	1.422	0.15
4	3:00	0.98	10.000	0.03	24.22	160.00	0.148	0.976	0.15
5	4:02	0.97	10.000	0.04	23.45	160.00	0.089	0.610	0.15
6	6:13	0.98	10.000	0.06	27.65	160.00	0.167	0.964	0.17
7	6:46	0.98	100.000	0.01	164.13	1600.00	0.006	0.061	0.10
8	7:29	0.99	100.000	0.01	178.55	1600.00	0.017	0.156	0.11
9	9:01	0.99	10.000	0.09	19.81	160.00	0.126	1.018	0.12
10	10:23	1.00	10.000	0.11	20.54	160.00	0.206	1.607	0.13
11	11:06	1.00	10.000	0.12	20.69	160.00	0.141	1.094	0.13
12	11:45	1.00	10.000	0.12	22.03	160.00	0.331	2.402	0.14
13	12:30	1.00	10.000	0.13	20.48	160.00	0.205	1.601	0.13
14	20:12	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
15	13:50	1.00	10.000	0.07	20.14	160.00	0.063	0.500	0.13
16	14:15	1.00	10.000	0.07	19.38	160.00	0.057	0.469	0.12
17	14:50	1.00	10.000	0.07	18.86	160.00	0.055	0.464	0.12
18	16:12	1.00	10.000	0.08	19.74	160.00	0.024	0.197	0.12
19	17:48	1.00	10.000	0.09	17.84	160.00	0.023	0.207	0.11
20	17:01	1.00	10.000	0.08	21.74	160.00	0.051	0.372	0.14
21	17:44	1.00	10.000	0.09	18.97	160.00	0.048	0.407	0.12
~	17:50	1.00	10.000	0.09	21.69	160.00	0.030	0.223	0.14

NO	RET(L)	RATIO	RRT(L)	RATIO	AMNT	AMNT(L)	R. FAC	R. FAC(L)	RATIO
23	17:32	1.00	10.000	0.09	21.17	160.00	0.074	0.563	0.13
24	16:28	1.00	10.000	0.08	18.65	160.00	0.048	0.410	0.12
25	18:54	1.00	10.000	0.09	18.49	160.00	0.014	0.122	0.12
26	20:34	1.00	10.000	0.10	17.04	160.00	0.039	0.370	0.11
	25:25	1.00	10.000	0.10	30.00	30.00	1.000	1.000	1.00
	22:56	1.00	10.000	0.09	24.05	160.00	0.072	0.480	0.15
29	22:56	1.00	10.000	0.09	19.53	160.00	0.055	0.453	0.12
30	24:15	1.00	10.000	0.10	20.50	160.00	0.065	0.507	0.13
31	25:33	1.00	10.000	0.10	20.74	160.00	0.106	0.822	0.13
32	28:03	1.00	10.000	0.11	21.23	160.00	0.056	0.424	0.13
33	12:24	1.00	10.000	0.13	29.15	30.00	1.795	1.848	0.97
34	31:30	1.00	10.000	0.12	29.02	30.00	0.861	0.890	0.97
35	24:03	1.00	10.000	0.09	29.19	30.00	1.034	1.063	0.97
36	33:27	1.00	5.000	0.26	20.87	160.00	0.108	0.829	0.13
37	33:54	1.00	5.000	0.27	23.15	160.00	0.076	0.526	0.14
38	35:14	1.00	5.000	0.28	43.17	320.00	0.063	0.469	0.13

SPECTRUM: BF871209A03 # 338 TOTAL ION: 36928.
SAMPLE: 2UL BFB LOT#24361 ANALYST: 819
TIME OF INJECTION: 8:18 12/09/87
ENHANCEMENT:

SPECTRUM FIT TO BFB CRITERIA

M/E	INTEN.	LIMITS	ROUND RA	
50	1180.	15-40% OF 95	16.10	OK
75	3076.	30-60% OF 95	41.98	OK
95	7328.	100% (BASE PK)	100.00	OK
96	504.	5-9% OF 95	6.88	OK
173	0.	< 1% OF 95	0.00	OK
174	6672.	> 50% OF 95	91.05	OK
175	514.	5-9% OF 174	7.70	OK
176	6608.	95-101% OF 174	99.04	OK
177	388.	5-9% OF 176	5.87	OK

COMPUCHEM LABS

MASS LIST DATA: BF871209A03 # 338 BASE M/E: 95
12/09/87 8:18:00 + 11:33 RIC: 36928.
SAMPLE: 2UL BFB LOT#24361

37 0.00 MINIMA MIN INTEN: 0. MAX INTEN: 7328.
207 # 0 MAXIMA

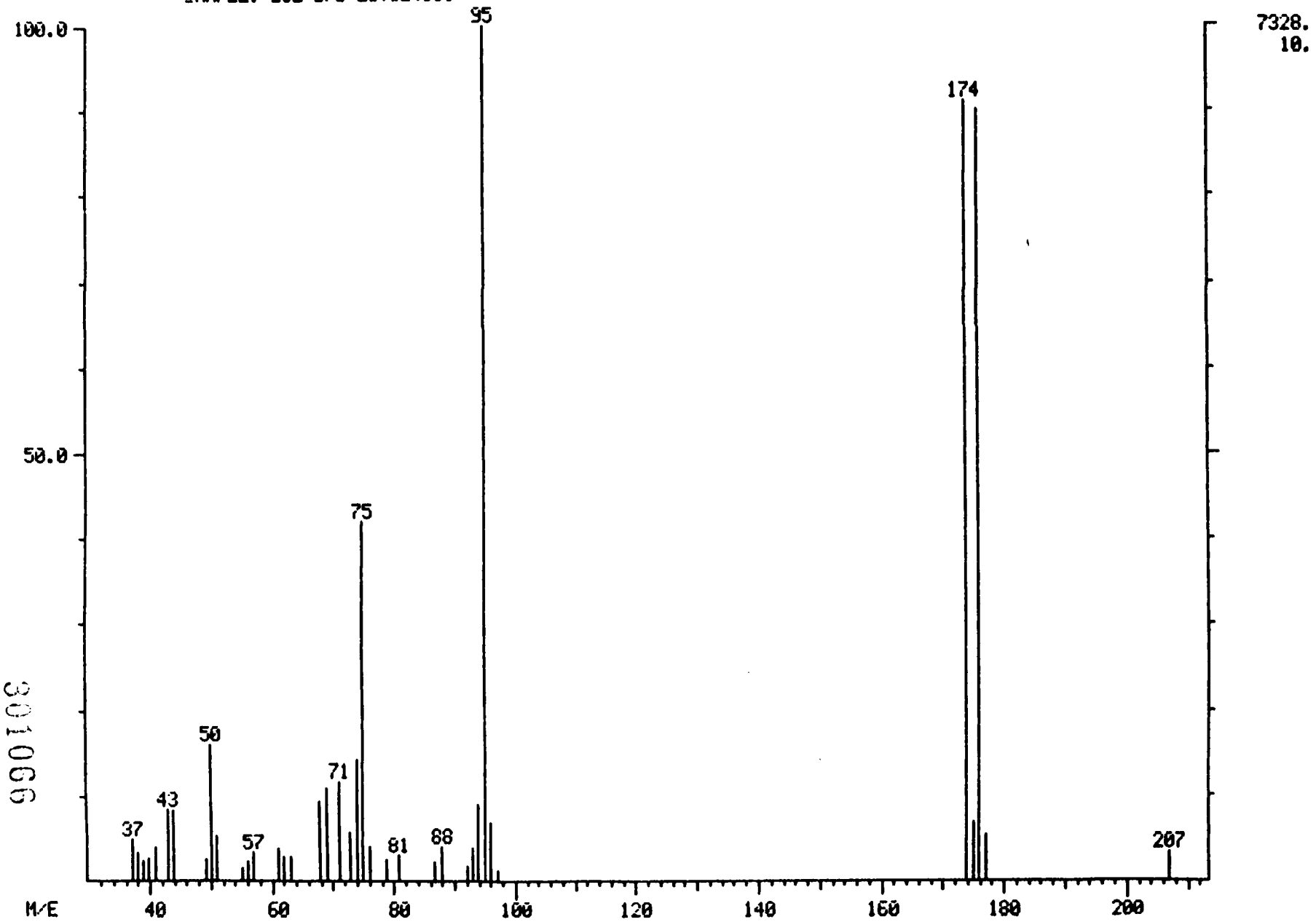
MASS	% RA
37	4.93
38	3.38
39	2.42
40	2.62
41	3.94
43	8.39
44	8.31
49	2.51
50	16.10
51	5.34
55	1.54
56	2.22
57	3.29
61	3.78
62	2.78
63	2.76
68	9.44
69	10.92
71	11.67
73	5.84
74	14.19
75	41.98
76	4.01
79	2.62
81	2.96
87	2.28
88	3.97
92	1.83
93	3.75
94	8.88
95	100.00
96	6.88
97	1.30
174	91.05
175	7.01
176	90.17
177	5.29
207	3.30

COMPUCHEM LABS

MASS SPECTRUM
12/09/87 8:18:00 + 11:33
SAMPLE: 2UL BFB LOT#24361

DATA: BF871209A03 #338

BASE M/E: 95
RIC: 36928.



301069