

*** Comments for Sample AD26534 - Analysis \$GCMS**

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-16-2001 Time: 08:48:31

A scan of the extract prepared from the 508 analysis, from 35 to 550 amu using a mass spectrometer, reveals the presence of 1,1,2,2-Tetrachloroethane at an estimated level of 2.9 ug/L, and a fit of 93 out of 100.

M+

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/16/2001 Time: 08:49:42

Sample: AD26534
Analysis: \$GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/16/01 08:46 Ended: 12/16/01 08:46 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds				
2	Sum 2,4 DDD	LSPEC	< MDL		5.0

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\26534.D

Vial: 9

Acq On : 8 Dec 2001 1:24 am

Operator: GALOS

Sample : gc/ms unknown 11/6

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 10 9:27 2001

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)

Title : 208 625/TCLP calibration table

Last Update : Wed Nov 28 15:33:44 2001

Response via : Initial Calibration

DataAcq Meth : NP112701

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	11.88	152	748990	20.00	ng/uL	-0.05
19) Naphthalene-d8	15.49	136	2766063	20.00	ng/uL	-0.06
31) Acenaphthene-d10	20.76	164	1268482	20.00	ng/uL	-0.06
49) Phenanthrene-d10	25.17	188	1784239	20.00	ng/uL	-0.07
59) Chrysene-d12	33.18	240	1194007	20.00	ng/uL	-0.07
68) Perylene-d12	37.26	264	764869	20.00	ng/uL	-0.08

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ng/uL	
Spiked Amount	75.000	Range	18 - 42	Recovery	=	0.00%#
5) Phenol-d5	0.00	99	0	0.00	ng/uL	
Spiked Amount	75.000	Range	19 - 32	Recovery	=	0.00%#
6) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/uL	
Spiked Amount	75.000	Range	34 - 84	Recovery	=	0.00%#
7) 1,2-Dichlorobenzene-d4	12.26	152	354	0.01	ng/uL	-0.20
Spiked Amount	50.000	Range	26 - 73	Recovery	=	0.02%#
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/uL	
Spiked Amount	50.000	Range	55 - 98	Recovery	=	0.00%#
32) 2-Fluorobiphenyl	18.92	172	651	0.01	ng/uL	0.08
Spiked Amount	50.000	Range	42 - 78	Recovery	=	0.02%#
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/uL	
Spiked Amount	75.000	Range	45 - 96	Recovery	=	0.00%#
62) Terphenyl-d14	0.00	244	0	0.00	ng/uL	
Spiked Amount	50.000	Range	58 - 98	Recovery	=	0.00%#

Target Compounds

				Qvalue
2) Pyridine	0.00	79	0	N.D.
3) N-nitrosodimethylamine	0.00	74	0	N.D.
8) Phenol	0.00	94	0	N.D.
9) bis(2-Chloroethyl)ether	0.00	93	0	N.D.
10) 2-Chlorophenol	0.00	128	0	N.D.
11) 1,3-Dichlorobenzene	0.00	146	0	N.D.
12) 1,4-Dichlorobenzene	0.00	146	0	N.D.
13) 1,2-Dichlorobenzene	0.00	146	0	N.D.
14) 2-Methylphenol	0.00	108	0	N.D.
15) 2,2'-oxybis(1-Chloropropan	12.89	45	360	N.D.
16) 3&4-Methylphenol	0.00	108	0	N.D.

(#)= qualifier out of range (m) = manual integration

26534.D NP112701.M

Mon Dec 10 11:31:39 2001

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Quantitation Report

(QT Reviewed)

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Operator: GALOS

Sample : gc/ms unknown 11/6

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 10 9:27 2001

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)

Title : 208 625/TCLP calibration table

Last Update : Wed Nov 28 15:33:44 2001

Response via : Initial Calibration

DataAcq Meth : NP112701

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
17) N-Nitrosodi-n-propylamine	0.00	70	0	N.D.		
18) Hexachloroethane	0.00	117	0	N.D.		
21) Nitrobenzene	0.00	77	0	N.D.		
22) Isophorone	0.00	82	0	N.D.		
23) 2-Nitrophenol	0.00	139	0	N.D.		
24) 2,4-Dimethylphenol	0.00	107	0	N.D.		
25) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
26) 2,4-Dichlorophenol	0.00	162	0	N.D.		
27) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
28) Naphthalene	0.00	128	0	N.D.		
29) Hexachlorobutadiene	0.00	225	0	N.D.		
30) 4-Chloro-3-methylphenol	0.00	107	0	N.D.		
34) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
35) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
36) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
37) 2-Chloronaphthalene	0.00	162	0	N.D.		
38) Dimethylphthalate	0.00	163	0	N.D.		
39) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	
40) Acenaphthylene	0.00	152	0	N.D.		
41) Acenaphthene	0.00	153	0	N.D.		
42) 2,4-Dinitrophenol	0.00	184	0	N.D.		
43) 4-Nitrophenol	21.23	65	275	N.D.		
44) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
45) Diethylphthalate	0.00	149	0	N.D.		
46) 4-Chlorophenylphenylether	0.00	204	0	N.D.		
47) Fluorene	0.00	166	0	N.D.		
48) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
50) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.		
51) N-Nitrosodiphenylamine	0.00	169	0	N.D.		
52) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
53) Hexachlorobenzene	0.00	284	0	N.D.		
54) Pentachlorophenol	0.00	266	0	N.D.		
55) Phenanthrene	0.00	178	0	N.D.		
56) Anthracene	0.00	178	0	N.D.		
57) Di-n-butylphthalate	27.17	149	1049	N.D.		
58) Fluoranthene	0.00	202	0	N.D.		
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.		

(#)=qualifier out of range (m)=manual integration

26534.D NP112701.M

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Quantitation Report

(QT Reviewed)

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Vial: 9

Acq On : 8 Dec 2001 1:24 am

Operator: GALOS

Sample : gc/ms unknown 11/6

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Dec 10 9:27 2001

Quant Results File: NP112701.RES

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)

Title : 208 625/TCLP calibration table

Last Update : Wed Nov 28 15:33:44 2001

Response via : Initial Calibration

DataAcq Meth : NP112701

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
61) Benzidine	0.00	184	0	N.D.		
63) Pyrene	0.00	202	0	N.D.		
64) Butylbenzylphthalate	0.00	149	0	N.D.		
65) Benzo(a)anthracene	33.17	228	1896	N.D.		
66) Bis(2-ethylhexyl)phthalate	33.44	149	3058	N.D.		
67) Chrysene	33.17	228	1896	N.D.		
69) Di-n-Octylphthalate	0.00	149	0	N.D.		
70) Benzo(b)fluoranthene	0.00	252	0	N.D.		
71) Benzo(k)fluoranthene	0.00	252	0	N.D.		
72) Benzo(a)pyrene	37.26	252	2155	N.D.		
73) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.		
74) Dibenz(a,h)anthracene	0.00	278	0	N.D.		
75) Benzo(g,h,i)perylene	0.00	276	0	N.D.		

(#) = qualifier out of range (m) = manual integration

26534.D NP112701.M Mon Dec 10 11:31:42 2001

Page 3

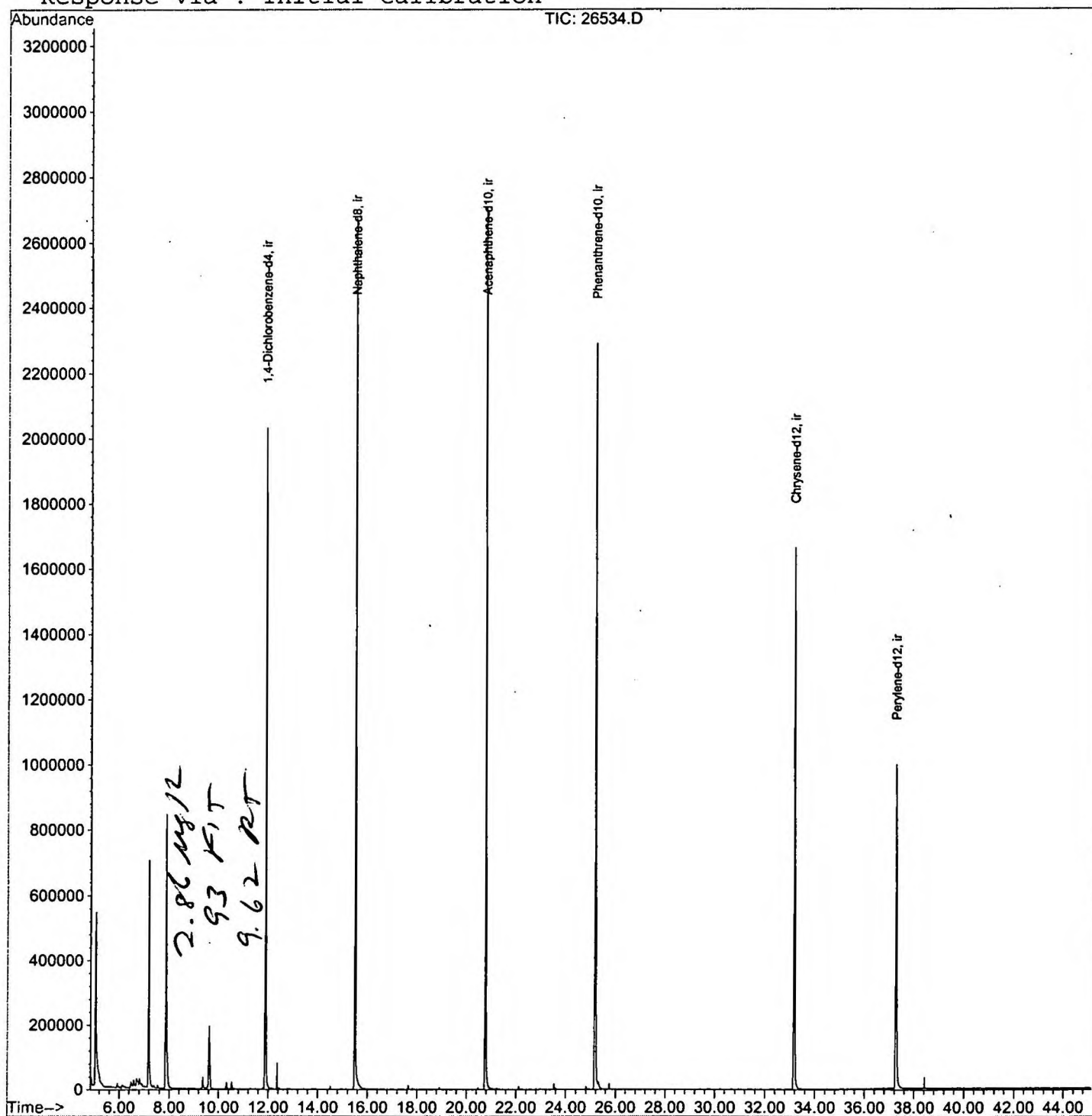
Quantitation Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26534.D
 Acq On : 8 Dec 2001 1:24 am
 Sample : gc/ms unknown 11/6
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Dec 10 9:27 2001

Vial: 9
 Operator: GALOS
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: NP112701.RES

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
 Title : 208 625/TCLP calibration table
 Last Update : Wed Nov 28 15:33:44 2001
 Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26534.D

Vial: 9

Acq On : 8 Dec 2001 1:24 am

Operator: GALOS

Sample : gc/ms unknown 11/6

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)

Title : 208 625/TCLP calibration table

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 1 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.051	19	23	33	rBV	534919	1236656	22.10%	3.776%
2	6.472	175	178	186	rBV	19520	64842	1.16%	0.198%
3	7.178	251	255	270	rVB	699176	1371106	24.50%	4.187%
4	7.857	325	329	345	rBV	843908	2027099	36.23%	6.190%
5	9.370	491	494	501	rBV	36580	69584	1.24%	0.212%
6	9.618	515	521	531	rVB	192614	656614	11.74%	2.005%
7	11.873	762	767	789	rBV	2032114	4594770	82.12%	14.030%
8	15.486	1156	1161	1180	rBV	2674387	5567313	99.50%	17.000%
9	20.759	1730	1736	1752	rBV	2710866	5595299	100.00%	17.085%
10	25.170	2211	2217	2229	rBV2	2289784	4974933	88.91%	15.191%
11	33.176	3084	3090	3106	rBV2	1663168	3790562	67.75%	11.574%
12	37.256	3529	3535	3555	rBV	997488	2800773	50.06%	8.552%

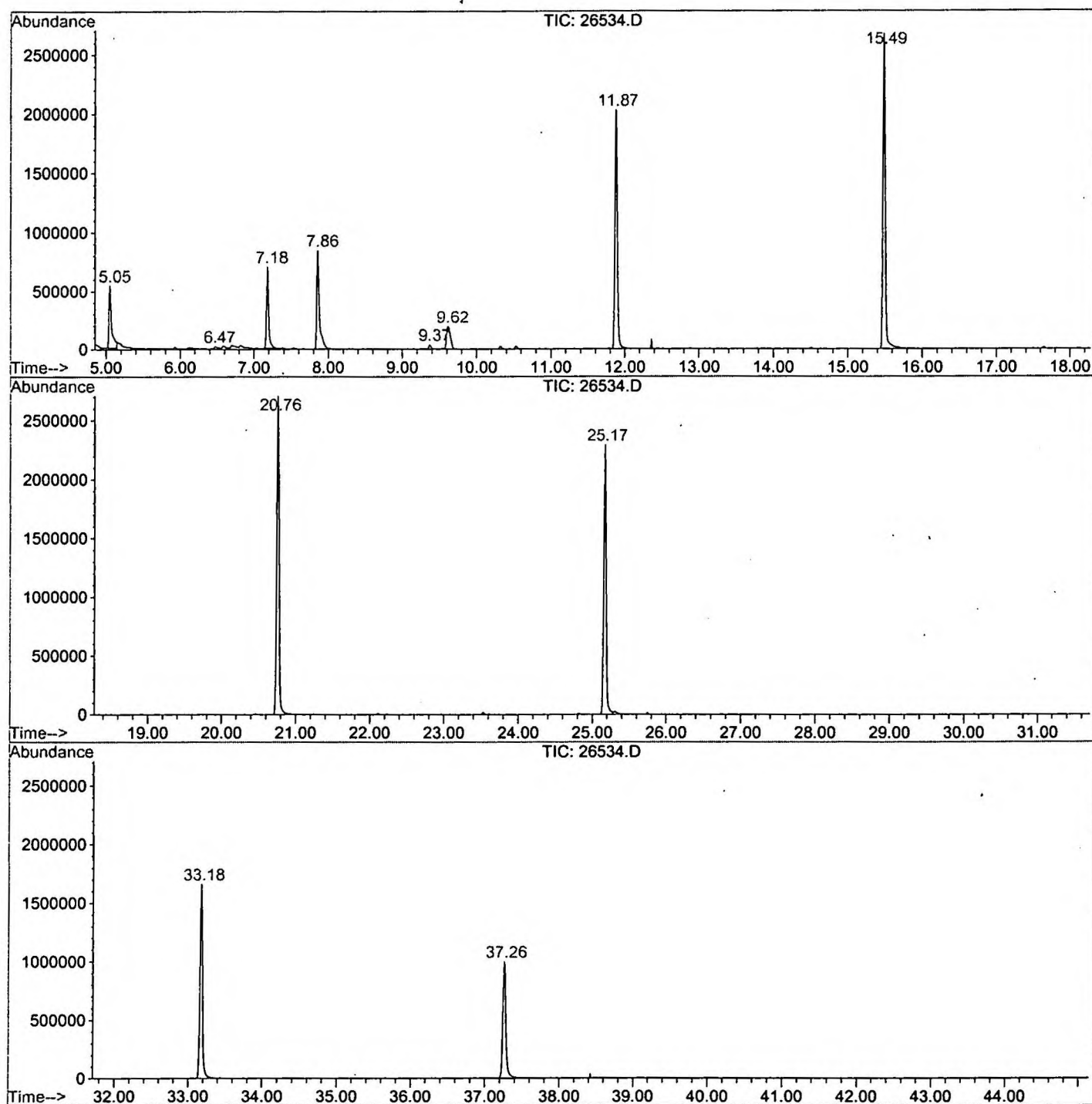
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26534.D NP112701.M

Thu Dec 13 11:24:03 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\26534.D
Operator : GALOS
Acquired : 8 Dec 2001 1:24 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/6
Misc Info :
Vial Number: 9
Quant File : NP112701.RES (RTE Integrator)



26534.D NP112701.M

Thu Dec 13 11:24:06 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26534.D
 Acq On : 8 Dec 2001 1:24 am
 Sample : gc/ms unknown 11/6
 Misc :
 MS Integration Params: LSCINT.P

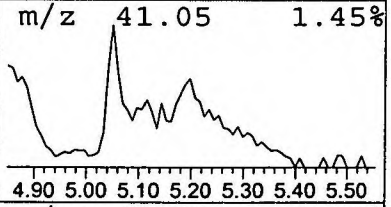
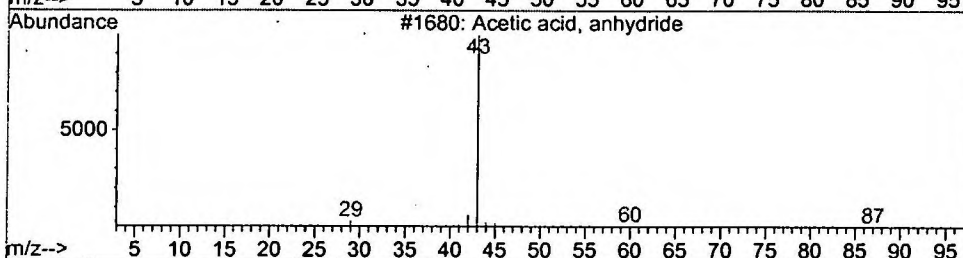
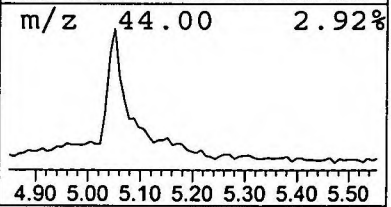
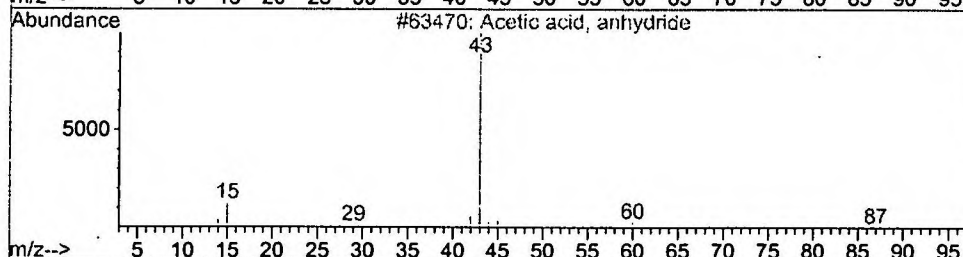
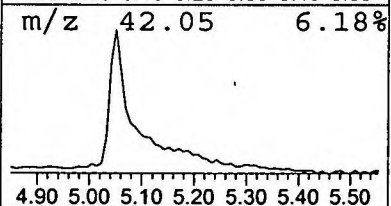
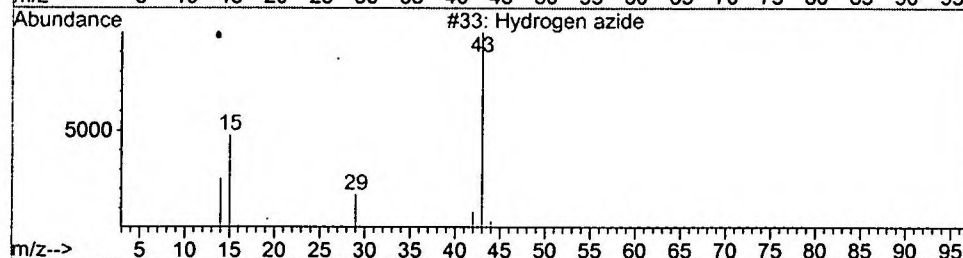
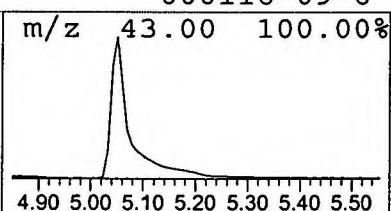
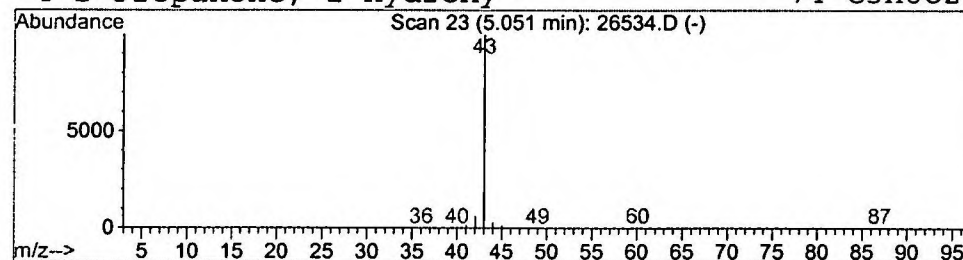
Vial: 9
 Operator: GALOS
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
 Title : 208 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 1 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.38 ng/uL	1236660	1,4-Dichlorobenzene-d4	11.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hydrogen azide	43	HN3	007782-79-8	4
2		Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
3		Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
4		2-Propanone, 1-hydroxy-	74	C3H6O2	000116-09-6	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26534.D
 Acq On : 8 Dec 2001 1:24 am
 Sample : gc/ms unknown 11/6
 Misc :
 MS Integration Params: LSCINT.P

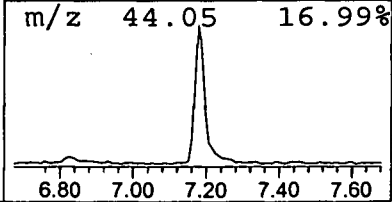
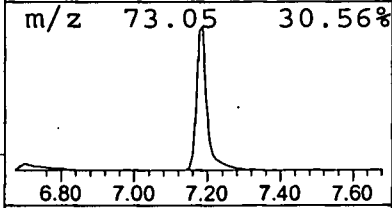
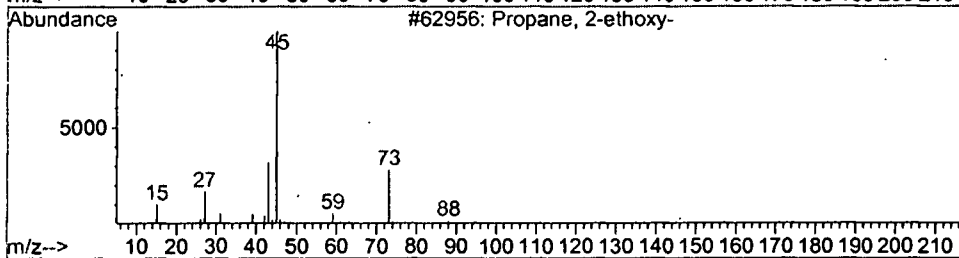
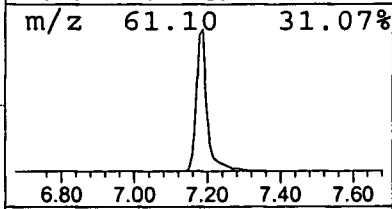
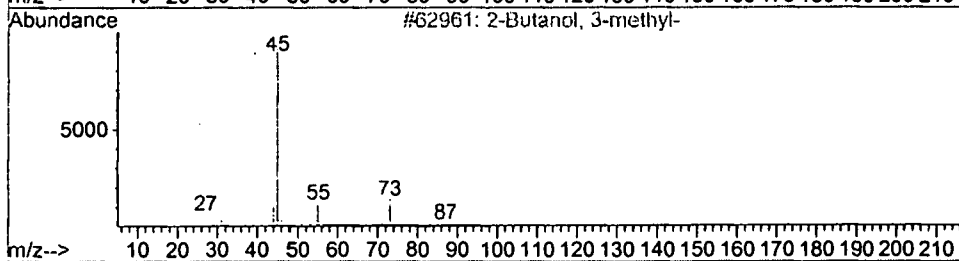
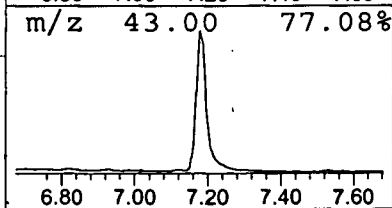
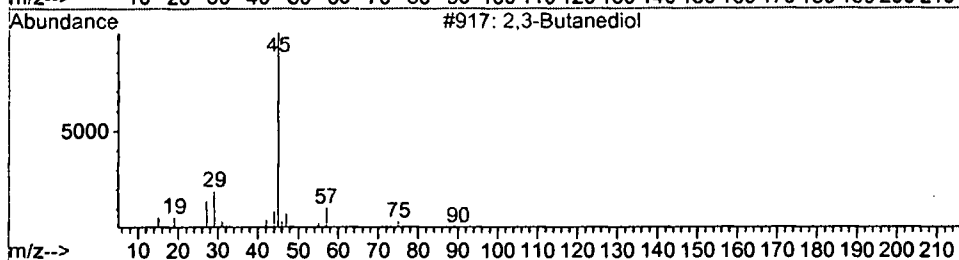
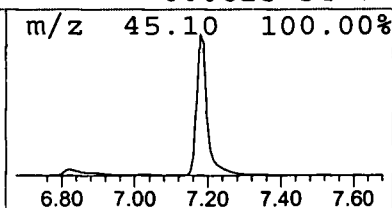
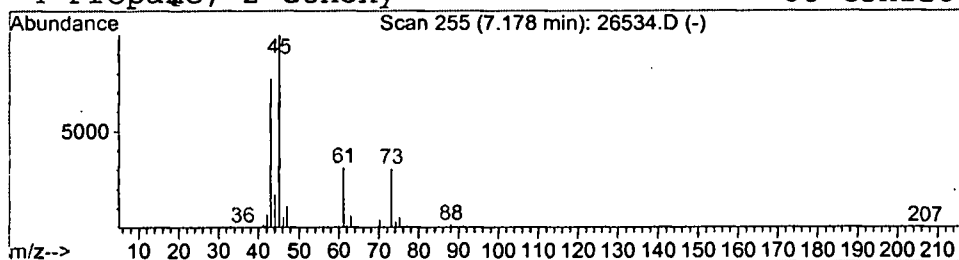
Vial: 9
 Operator: GALOS
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
 Title : 208 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 2 2,3-Butanediol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	5.97 ng/uL	1371110	1,4-Dichlorobenzene-d4	11.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,3-Butanediol	90	C4H10O2	000513-85-9	28
2			2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9
3			Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9
4			Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9



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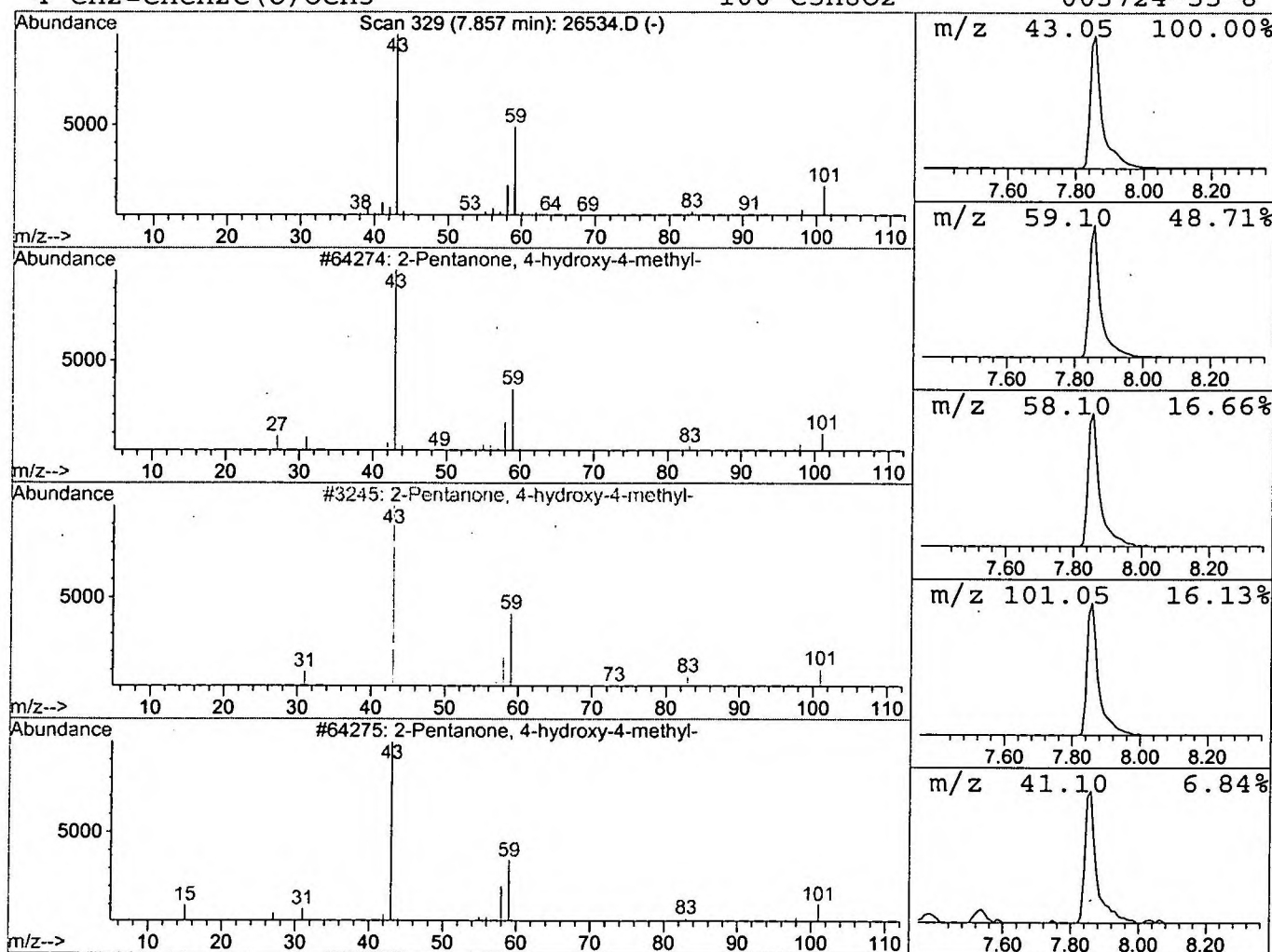
Vial: 9
 Operator: GALOS
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant. Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
 Title : 208 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	8.82 ng/uL	2027100	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	25
4	CH2=CHCH2C(O)OCH3	100	C5H8O2	003724-55-8	10



Library Search Compound Report

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 Sample : gc/ms unknown 11/6
 Misc :
 MS Integration Params: LSCINT.P

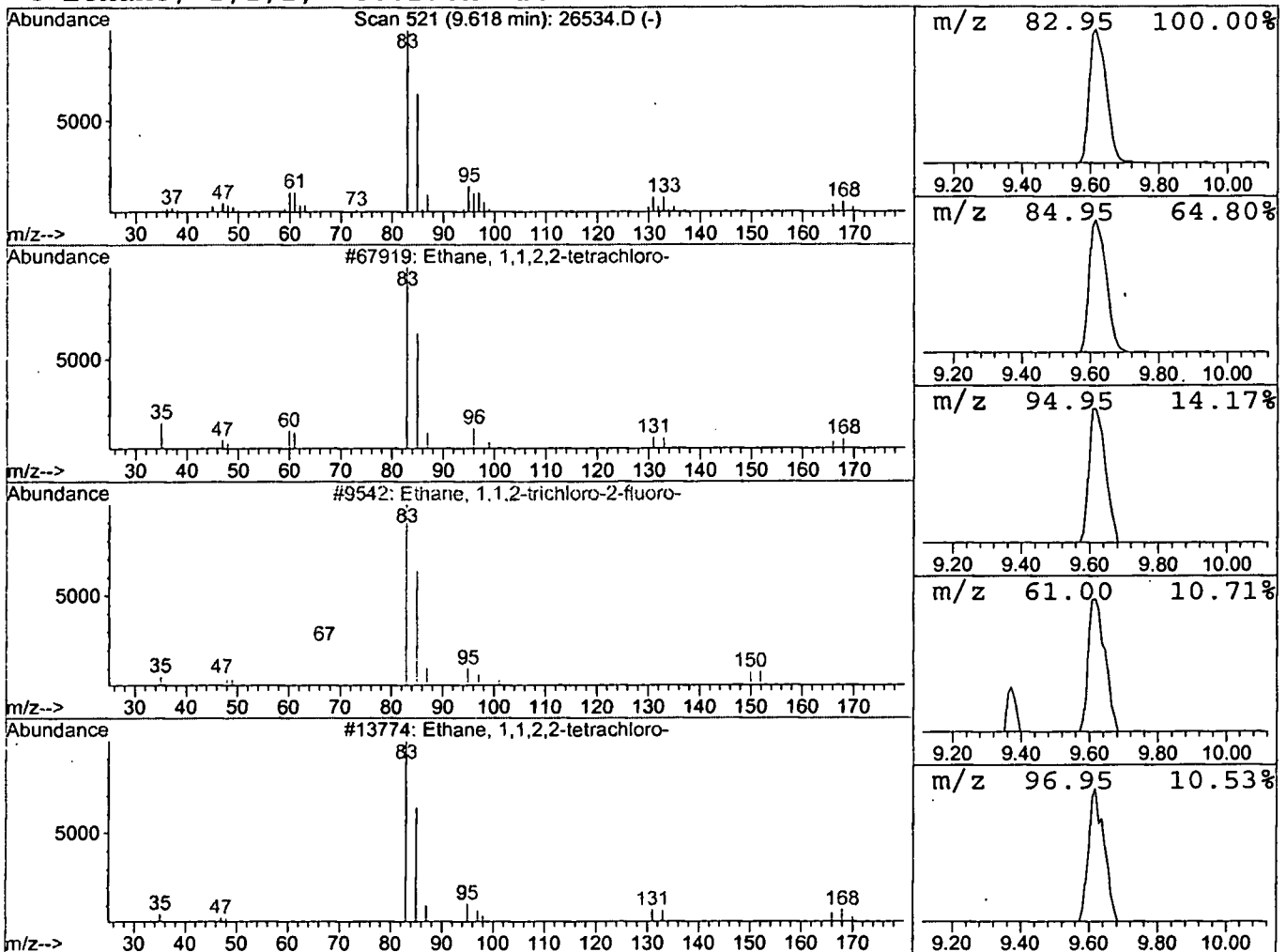
Vial: 9
 Operator: GALOS
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
 Title : 208 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 4 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	2.86 ng/uL	656614	1,4-Dichlorobenzene-d4	11.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	93
2			Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	64
3			Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	53
4			Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	50



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 8 Dec 2001 1:24 am
Data File: C:\HPCHEM\1\DATA\DEC0701\26534.D
Name: gc/ms unknown 11/6
Misc:
Method: C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title: 208 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hydrogen azide	5.05	5.4	ng/uL	1236660	ISTD01	11.88	4594770	20.0
2,3-Butanediol	7.18	6.0	ng/uL	1371110	ISTD01	11.88	4594770	20.0
2-Pentanone, 4-hydro	7.86	8.8	ng/uL	2027100	ISTD01	11.88	4594770	20.0
Ethane, 1,1,2,2-tetr	9.62	2.9	ng/uL	656614	ISTD01	11.88	4594770	20.0

26534.D NP112701.M Thu Dec 13 11:24:17 2001