Comments for Sample AD26710 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-31-2001 Time: 11:08:29

A scan of the extract prepared for the 508 analysis, from 35 to 550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at 0.30 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 1.4 ug/L and a fit of 86 out of 100. These 2 compounds were also present in the Laboratory Blank at 0.33 ug/L and 2.90 ug/L respectively.

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/10/2001 Time: 14:52:05

Sample: AD26710
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/10/01 14:51 Ended: 12/10/01 14:51 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D Vial: 4
Acq On : 5 Dec 2001 11:29 am Operator: GALOS
Sample : gc/ms unknown 11/7 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 9:59 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	11.87	152	1102708	20.00	ng/uL	-0.06
19) Naphthalene-d8	15.48	136	4173227	20.00	ng/uL	-0.07
31) Acenaphthene-d10	20.75	164	1881191	20.00	ng/uL	-0.07
49) Phenanthrene-d10	25.16	188	2684704m	20.00	ng/uL	-0.08
59) Chrysene-d12	33.17	240	1711905	20.00	ng/uL	-0.08
68) Perylene-d12	37.25	264	1076556	20.00	ng/uL	-0.09
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	11.87	132	616	0.01	ng/uL	0.44
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.01%#		
7) 1,2-Dichlorobenzene-d4	12.20	152	583	0.01	ng/uL	-0.26
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	18.91	172	2034	0.02	ng/uL	0.08
Spiked Amount 50.000	Range 42 - 78		Recovery =	0.04%#		
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	12.87	45	2424	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		
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.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D Vial: 4
Acq On : 5 Dec 2001 11:29 am Operator: GALOS
Sample : gc/ms unknown 11/7 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 9:59 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
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	15.53	128	290	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	0.00	65	0	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	0.00	149	0	N.D. d	
58) Fluoranthene	0.00	202	0	N.D.	
60) 3,3'-Dichlorobenzidine	0.00	252	0	N.D.	
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	33.18	228	3520	N.D.	
66) Bis(2-ethylhexyl)phthalate	33.43	149	30109	0.30 ng/uL#	97
67) Chrysene	33.18	228	3520	N.D.	
69) Di-n-Octylphthalate	0.00	149	0	N.D.	
70) Benzo(b)fluoranthene	0.00	252	0	N.D.	

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

Quantitation Report

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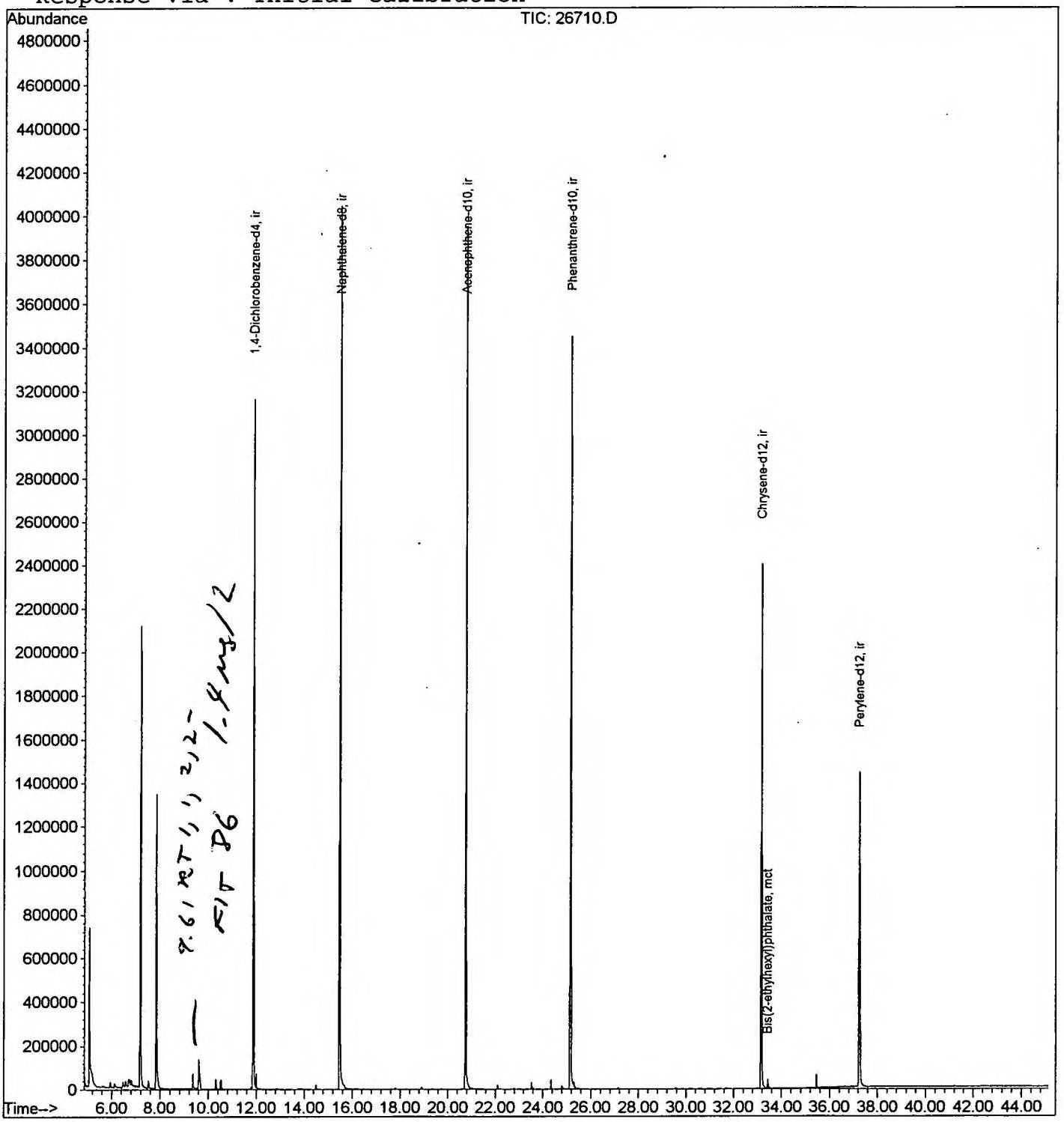
Acq On : 5 Dec 2001 11:29 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 7 9:59 2001

Vial: 4
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 : Fri Dec 07 09:59:59 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D Vial: 4
Acq On : 5 Dec 2001 11:29 am Operator: GALOS
Sample : gc/ms unknown 11/7 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

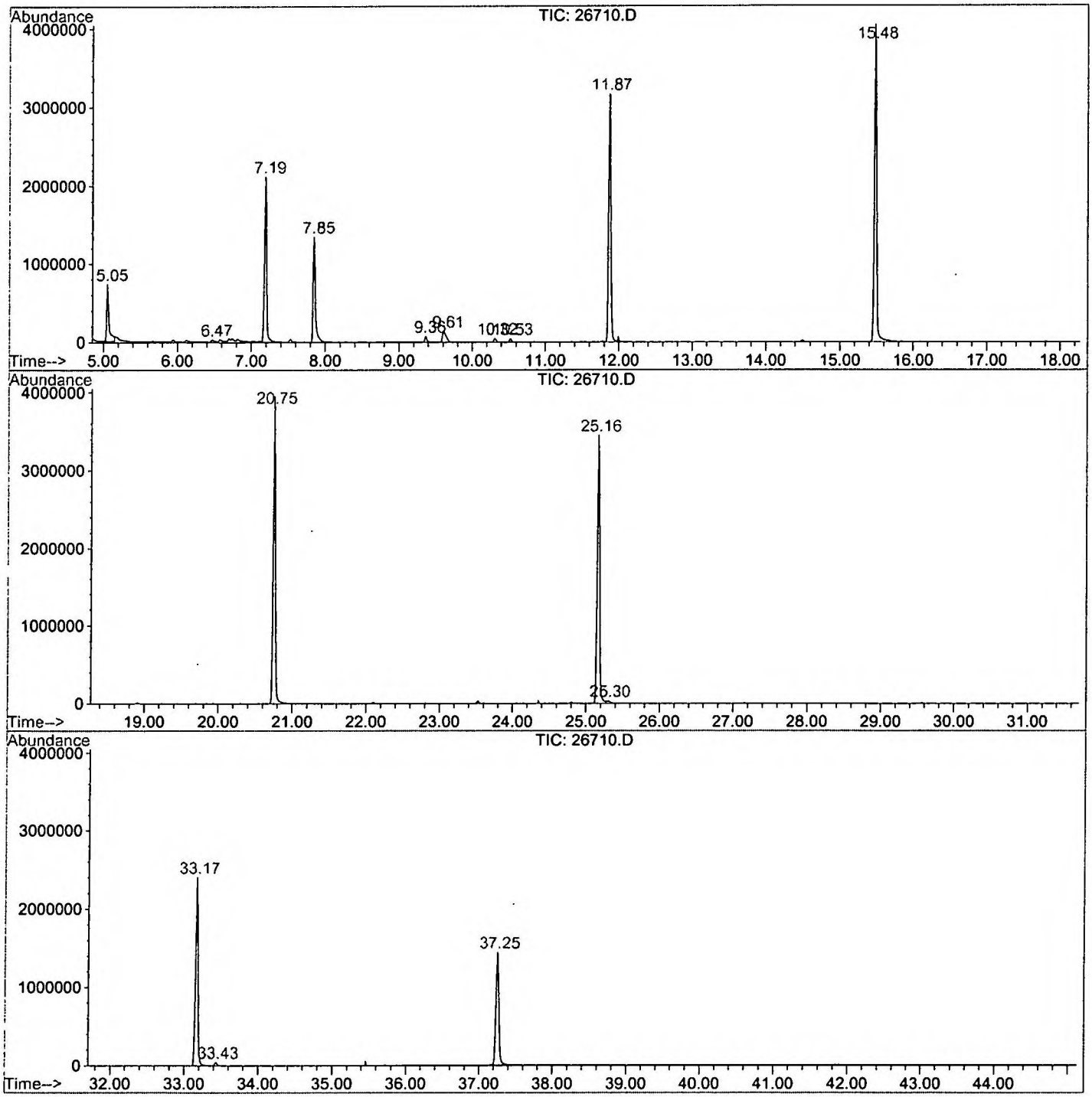
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.052	19	23	34	rBV	724745	1555666	18.52%	3.120%
2	6.473	173	178	185	rBV3	28133	84702	1.01%	0.170%
3	7.188	250	256	273	rVB	2111457	4070871	48.45%	8.163%
4	7.849	324	328	345	rBV	1342550	2747505	32.70%	5.510%
5	9.362	488	493	500	rBV	70594	142274	1.69%	0.285%
6	9.609	515	520	531	rVB2	134467	468575	5.58%	0.940%
7	10.315	592	597	605	rVB	46382	96497	1.15%	0.194%
8	10.526	615	620	626	rBV	43883	90576	1.08%	0.182%
9	11.865	761	766	779	rBV	3163612	6795367	80.88%	13.627%
10	15.478	1154	1160	1180	rBV	4046210	8401347	100.00%	16.847%
11	20.751	1729	1735	1755	rBV	3951146	8269016	98.42%	16.582%
12	25.162	2210	2216	2228	rBV2	3451309	7526256	89.58%	15.092%
13	25.299	2228	2231	2240	rVB2	30626	94619	1.13%	0.190%
14	33.167	3082	3089	3109	rBV2	2400961	5469871	65.11%	10.969%
15	33.433	3114	3118	3128	rVB	43651	100012	1.19%	0.201%
16	37.248	3527	3534	3552	rBV2	1435476	3954450	47.07%	7.930%

Sum of corrected areas: 49867604

26710.D NP112701.M Fri Dec 07 13:13:54 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\26710.D
Operator : GALOS
Acquired : 5 Dec 2001 11:29 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/7
Misc Info :
Vial Number: 4
Quant File :NP112701.RES (RTE Integrator)



26710.D NP112701.M Fri Dec 07 13:13:56 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D
Acq On : 5 Dec 2001 11:29 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

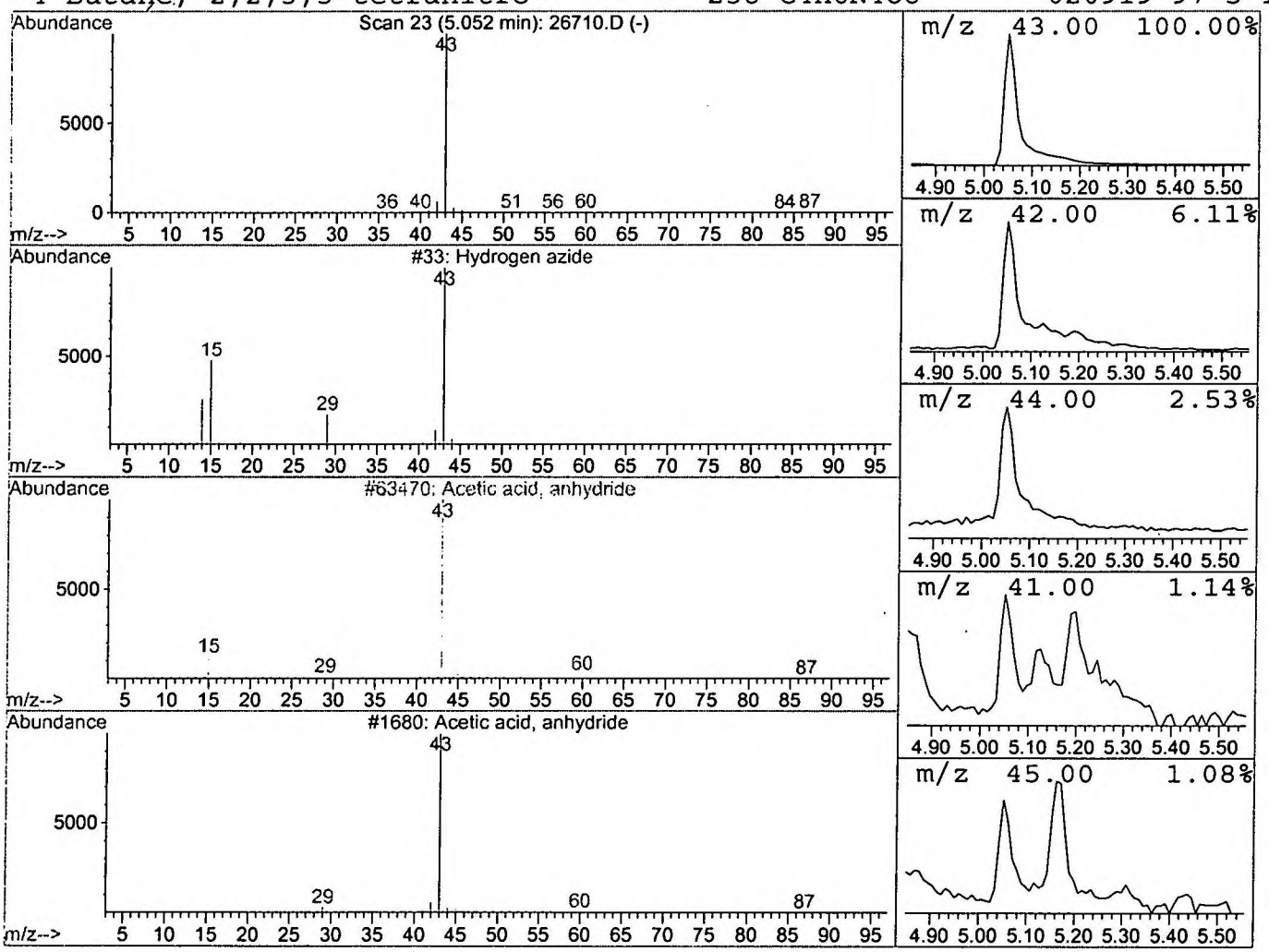
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	4.58 ng/uL	1555670	1,4-Dichlorobenzene-d4	11.87

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	Butane, 2,2,3,3-tetranitro-	238	C4H6N4O8	020919-97-5	1



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D Vial: 4
Acq On : 5 Dec 2001 11:29 am Operator: GALOS
Sample : gc/ms unknown 11/7 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

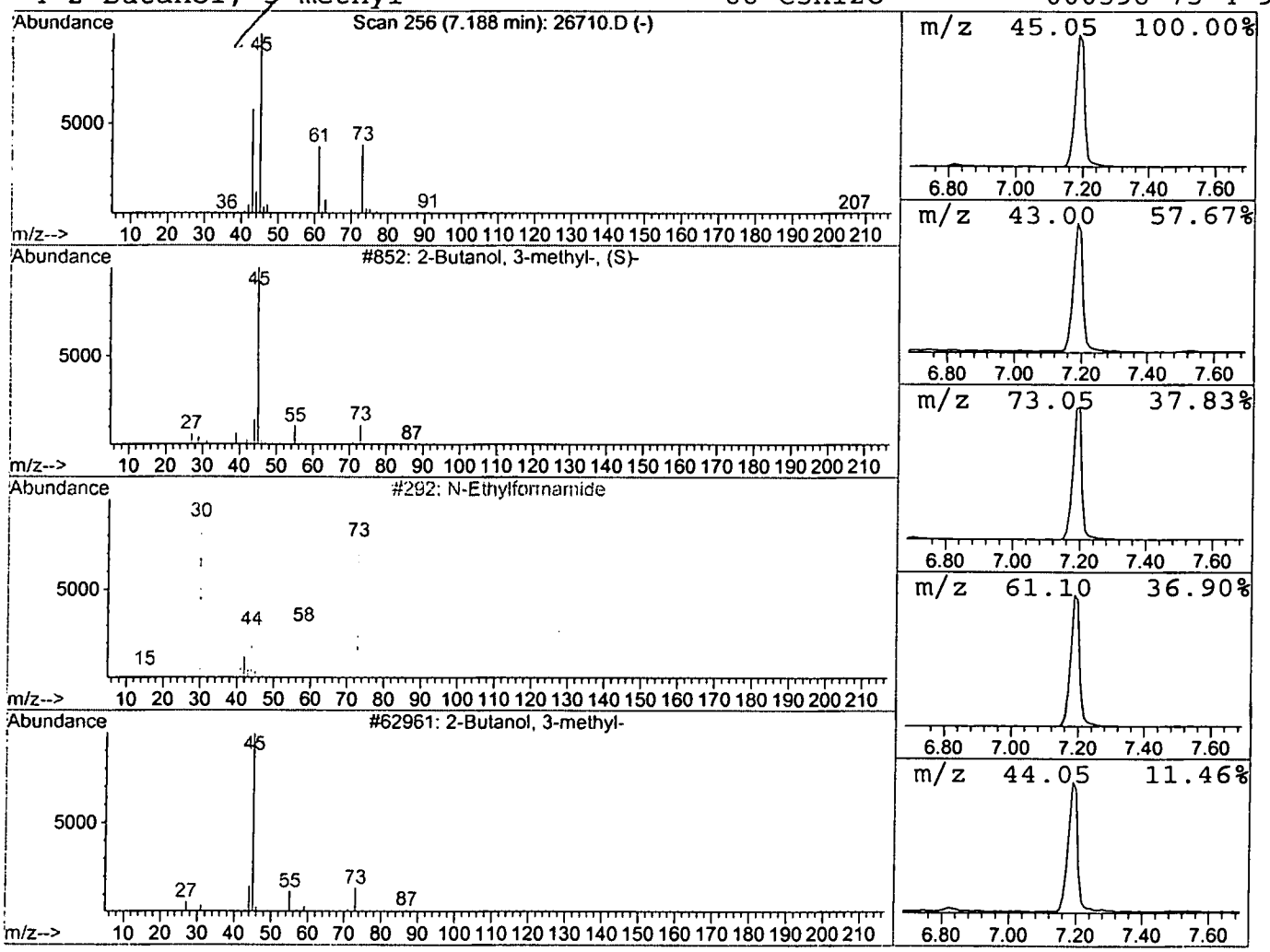
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Butanol, 3-methyl-, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	11.98 ng/uL	4070870	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3-methyl-, (S)-	88	C5H12O	001517-66-4	40
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9
4	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D
Acq On : 5 Dec 2001 11:29 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

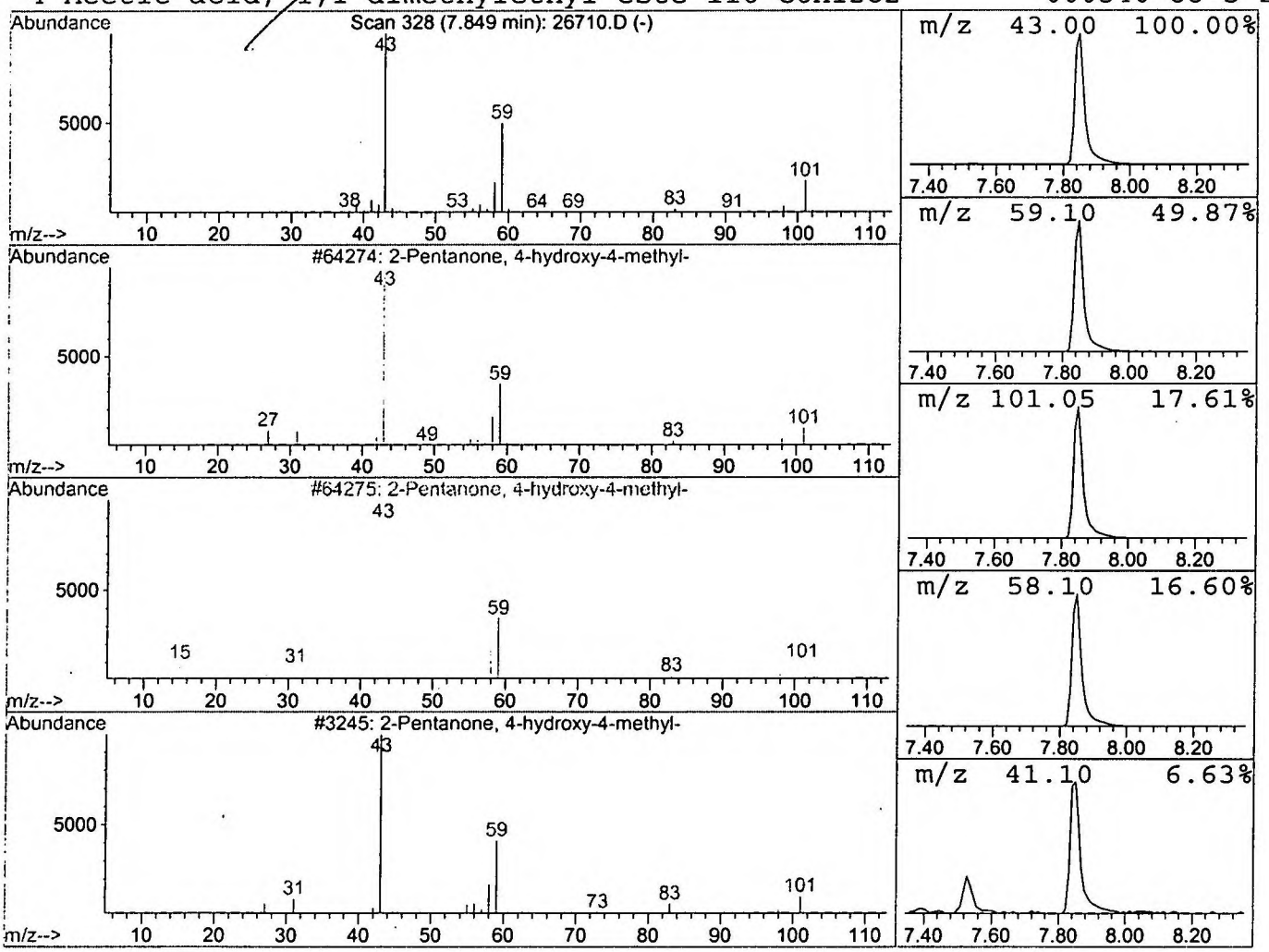
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	8.09 ng/uL	2747510	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26710.D Vial: 4
Acq On : 5 Dec 2001 11:29 am Operator: GALOS
Sample : gc/ms unknown 11/7 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

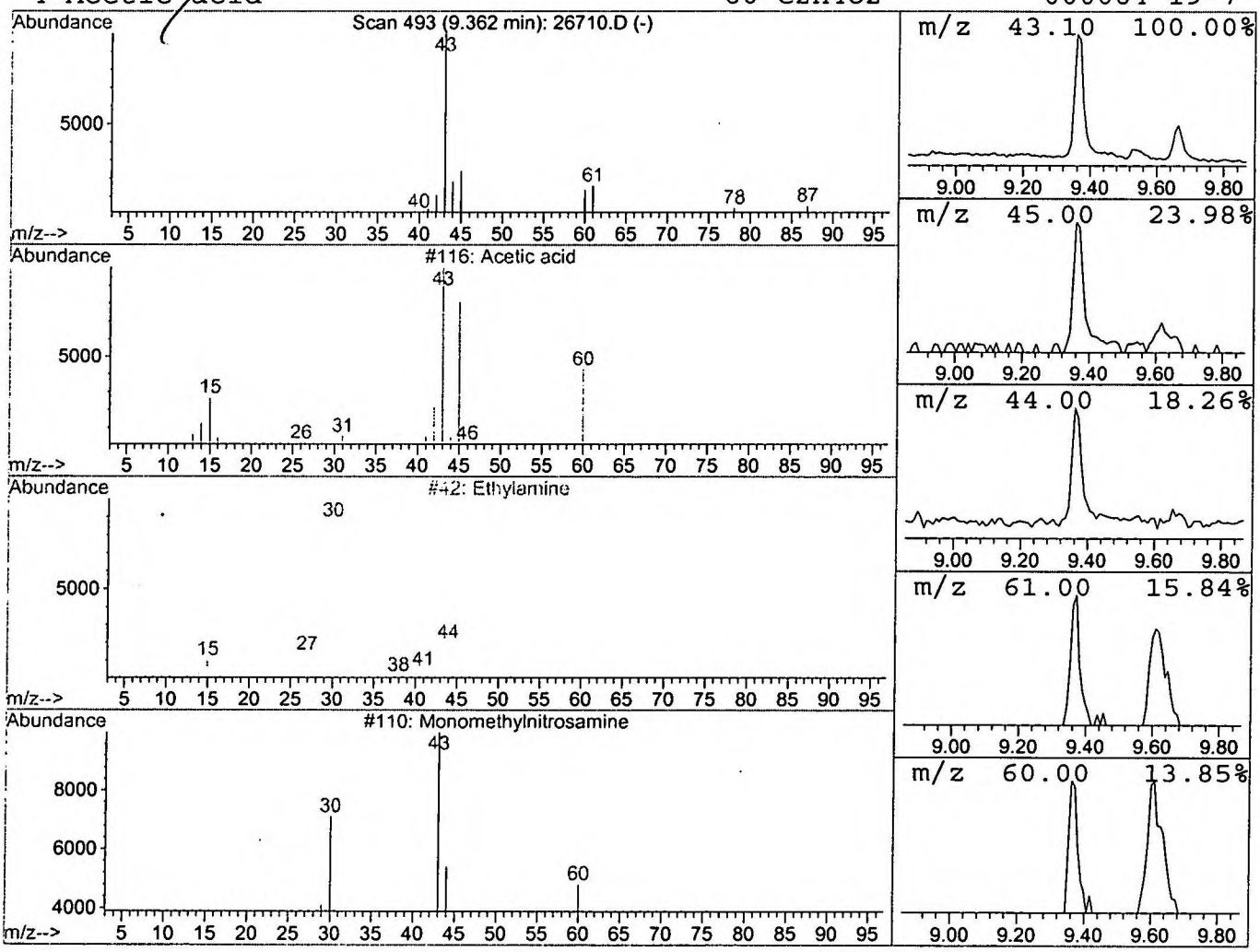
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Acetic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	0.42 ng/uL	142274	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	9
2	Ethylamine	45	C2H7N	000075-04-7	7
3	Monomethylnitrosamine	60	CH4N2O	000000-00-0	7
4	Acetic acid	60	C2H4O2	000064-19-7	4



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Acq On : 5 Dec 2001 11:29 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: LSCINT.P

Vial: 4
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

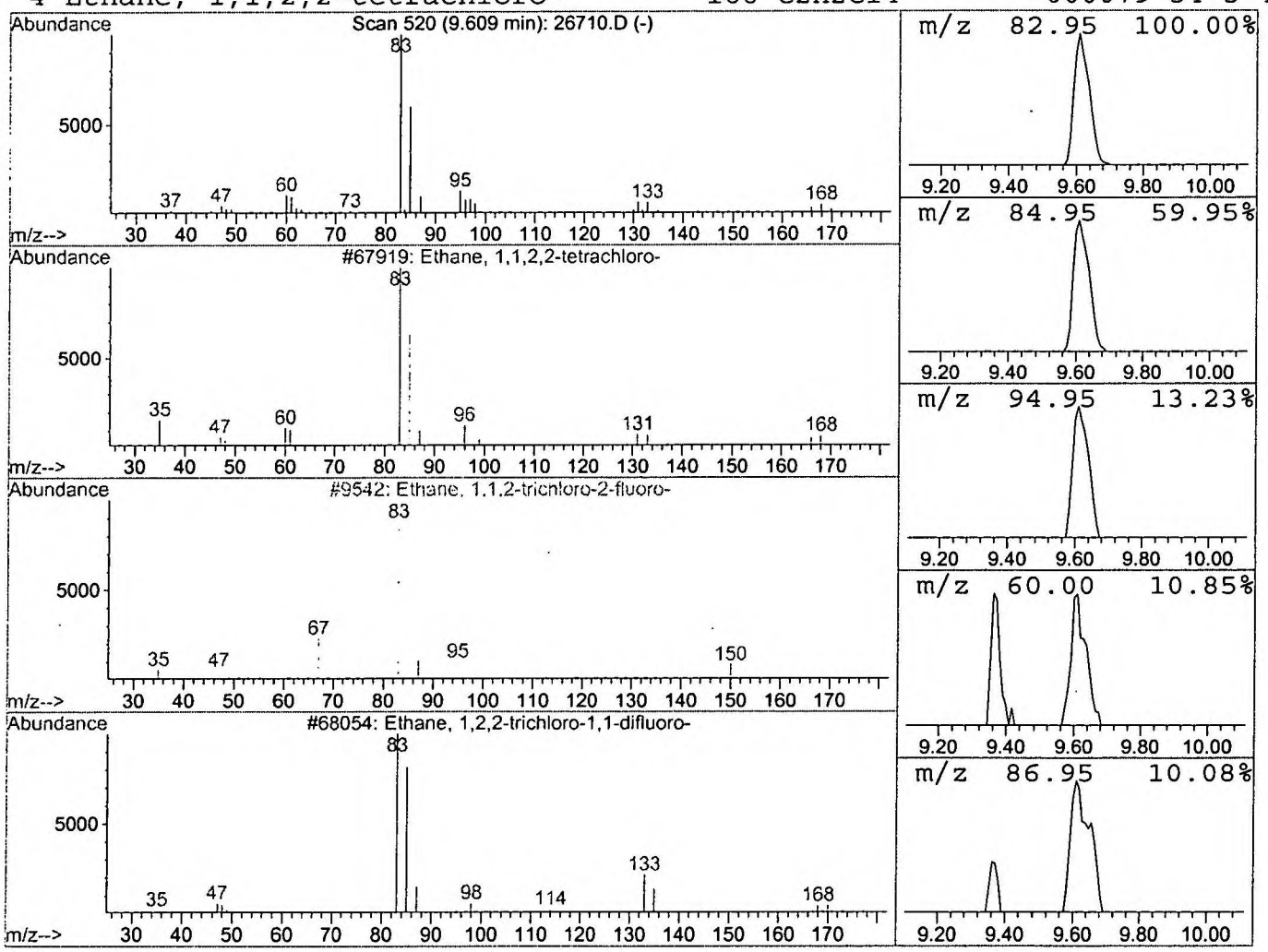
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	1.38 ng/uL	468575	1,4-Dichlorobenzene-d4	11.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	86
2	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	72
3	Ethane, 1,2,2-trichloro-1,1-difluor	168	C2HCl3F2	000354-21-2	53
4	Ethane, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	43



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 5 Dec 2001 11:29 am
Data File: C:\HPCHEM\1\DATA\DEC0501\26710.D
Name: gc/ms unknown 11/7
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	4.6	ng/uL	1555670	ISTD01	11.87	6795370	20.0
2-Butanol, 3-methyl-	7.19	12.0	ng/uL	4070870	ISTD01	11.87	6795370	20.0
2-Pentanone, 4-hydro	7.85	8.1	ng/uL	2747510	ISTD01	11.87	6795370	20.0
Acetic acid	9.36	0.4	ng/uL	142274	ISTD01	11.87	6795370	20.0
Ethane, 1,1,2,2-tetr	9.61	1.4	ng/uL	468575	ISTD01	11.87	6795370	20.0

26710.D NP112701.M Fri Dec 07 13:14:08 2001

Comments for Sample AD26710 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 11:16:04

A scan of the extract prepared for the 508 analysis, from 35 to 550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at 0.30 ug/L, and 1,1,2,2-Tetrachloroethane at an estimated level of 1.4 ug/L and a fit of 86 out of 100.