Comments for Sample AD26532 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 08:42:29

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 0.80 ug/L, and with a fit of 95 out of 100.

Hillview 7SX
1/6/36(1

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/16/2001 Time: 08:40:33

Sample: AD26532
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/16/01 08:38 Ended: 12/16/01 08:38 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD				5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\26532.D Vial: 8
Acq On : 8 Dec 2001 12:29 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	1013046	20.00	ng/uL	-0.06
19) Naphthalene-d8	15.49	136	3773453	20.00	ng/uL	-0.06
31) Acenaphthene-d10	20.76	164	1748525	20.00	ng/uL	-0.06
49) Phenanthrene-d10	25.17	188	2547951	20.00	ng/uL	-0.07
59) Chrysene-d12	33.18	240	1792198	20.00	ng/uL	-0.07
68) Perylene-d12	37.27	264	1310824	20.00	ng/uL	-0.07
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	11.89	132	317	0.00	ng/uL	0.46
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.00%#		
7) 1,2-Dichlorobenzene-d4	12.29	152	884	0.02	ng/uL	-0.17
Spiked Amount 50.000	Range 26 - 73		Recovery =	0.04%#		
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	2011	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	12.89	45	1913	N.D.		
16) 3&4-Methylphenol	0.00	108	0	N.D.		

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

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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	21.22	65	2053	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	27.16	149	3173	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

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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	33.18	228	3794	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.44	149	7617	N.D.	
67)	Chrysene	33.18	228	3794	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	37.27	252	4905	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

Quantitation Report

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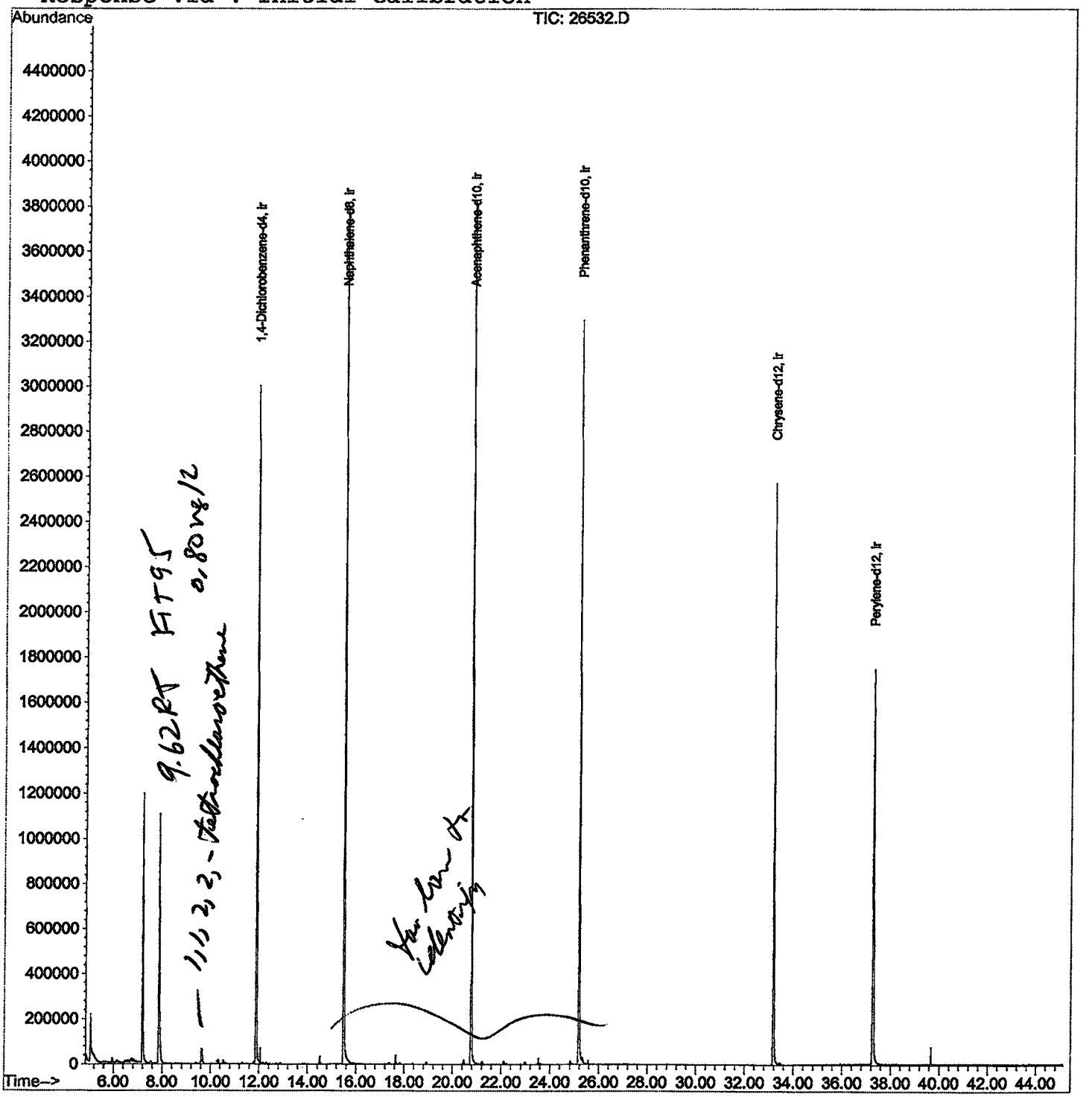
Acq On : 8 Dec 2001 12:29 am Operator: GALOS
Sample : gc/ms unknown 11/6 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 10 9:27 2001 Quant Results File: NP112701.RES

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\26532.D Vial: 8
Acq On : 8 Dec 2001 12:29 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

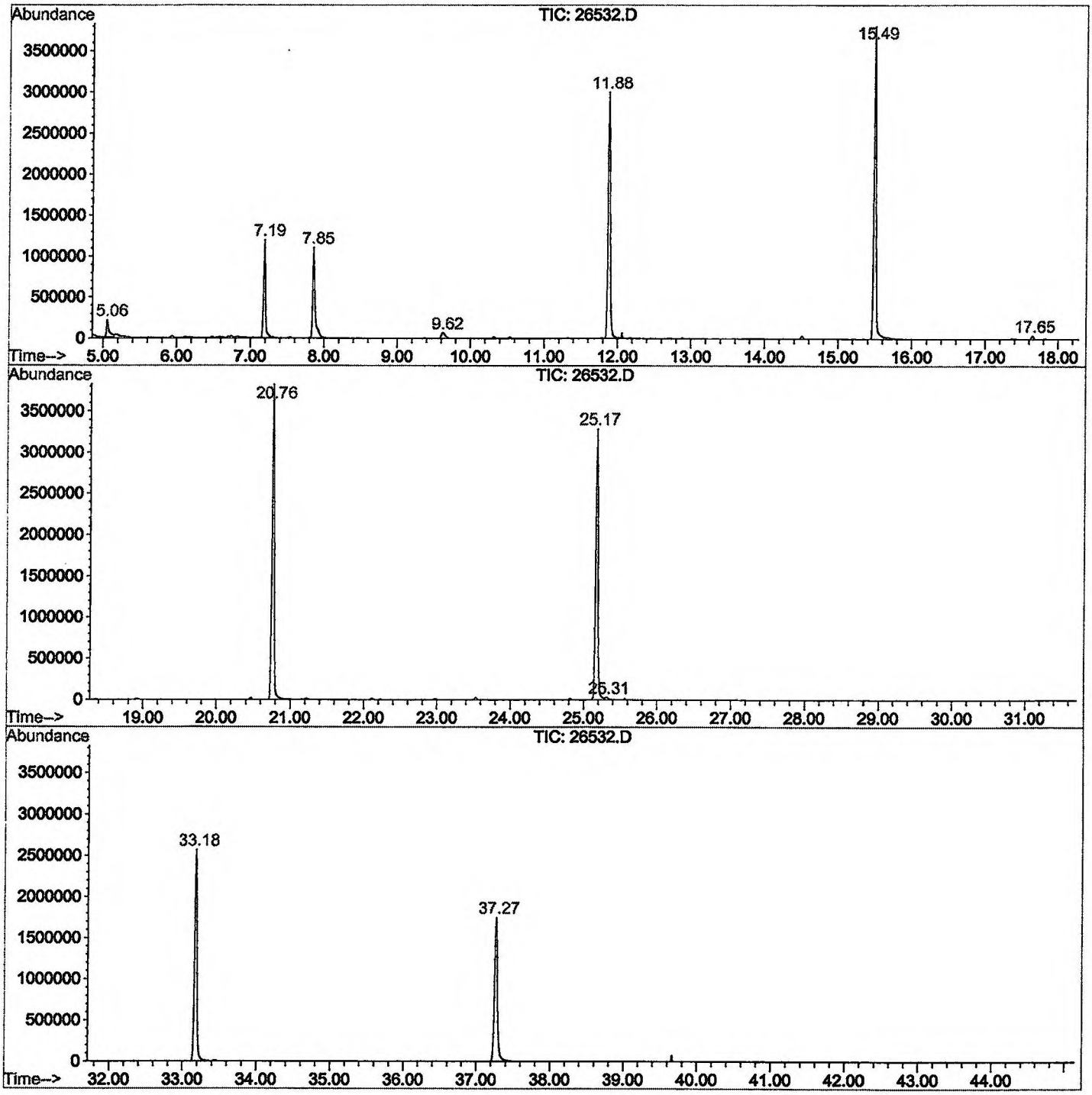
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.055	19	23	33	rBV	208867	517843	6.73%	1.156%
2	7.192	251	256	266	rBV	1192431	2151898	27.97%	4.804%
3	7.852	324	328	345	rVB	1102374	2379117	30.92%	5.311%
4	9.622	516	521	535	rVB3	66332	249832	3.25%	0.558%
5	11.878	762	767	780	rBV	3000912	6268236	81.47%	13.993%
6	15.491	1155	1161	1179	rBV	3800730	7682275	99.85%	17.149%
7	17.646	1391	1396	1401	rVB2	41669	77444	1.01%	0.173%
8	20.764	1730	1736	1756	rBV	3827737	7693591	100.00%	17.175%
9	25.175	2209	2217	2229	rBV2	3293033	7122765	92.58%	15.900%
10	25.312	2229	2232	2246	rVB2	29416	104748	1.36%	0.234%
11	33.180	3083	3090	3108	rBV2	2570762	5713110	74.26%	12.754%
12	37.270	3528	3536	3553	rBV2	1746071	4835071	62.85%	10.794%

Sum of corrected areas: 44795930

26532.D NP112701.M Thu Dec 13 11:23:03 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\26532.D
Operator : GALOS
Acquired : 8 Dec 2001 12:29 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/6
Misc Info :
Vial Number: 8
Quant File :NP112701.RES (RTE Integrator)



26532.D NP112701.M Thu Dec 13 11:23:05 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26532.D
Acq On : 8 Dec 2001 12:29 am
Sample : gc/ms unknown 11/6
Misc :
MS Integration Params: LSCINT.P

Vial: 8
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

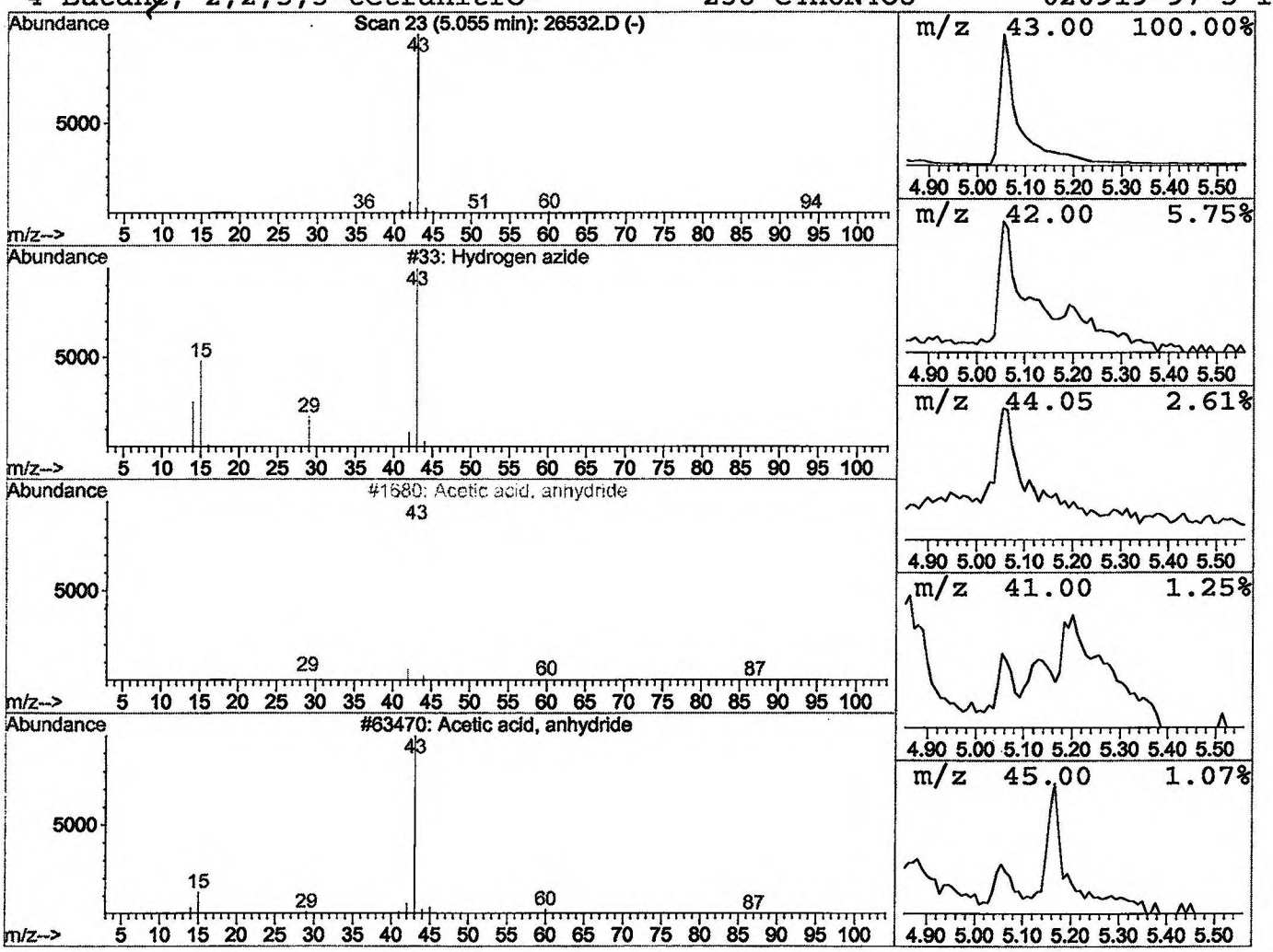
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	1.65 ng/uL	517843	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	Butane, 2,2,3,3-tetranitro-	238	C4H6N4O8	020919-97-5	1



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26532.D Vial: 8
Acq On : 8 Dec 2001 12:29 am Operator: GALOS
Sample : gc/ms unknown 11/6 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

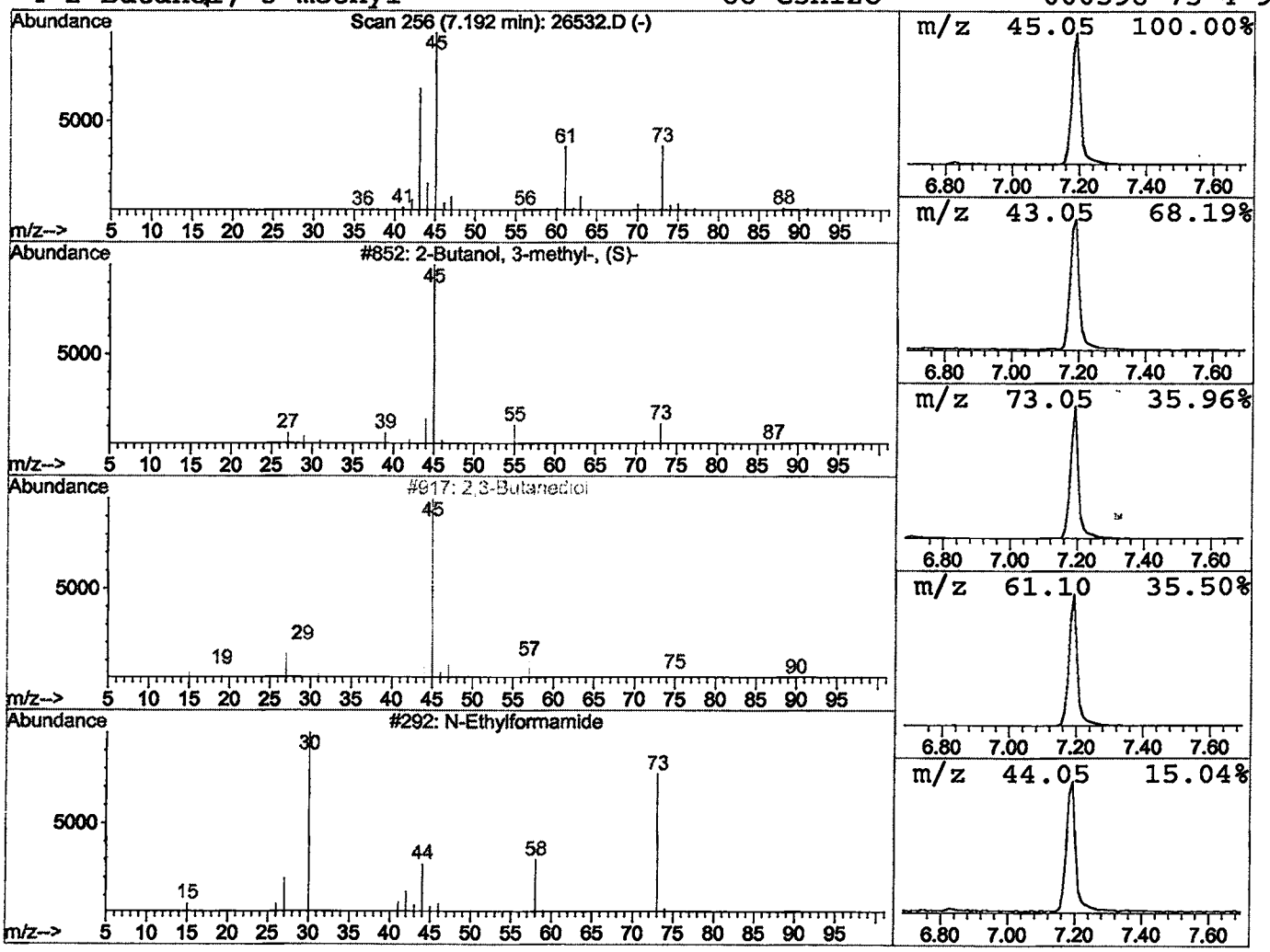
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	6.87 ng/uL	2151900	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 3-methyl-, (S)-	88	C5H12O	001517-66-4	40
2	2,3-Butanediol	90	C4H10O2	000513-85-9	33
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	2-Butanol, 3-methyl-	88	C5H12O	000598-75-4	9



Library Search Compound Report

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Acq On : 8 Dec 2001 12:29 am Operator: GALOS
Sample : gc/ms unknown 11/6 Inst : GC/MS Ins
Misc : Multiplr: 1.00
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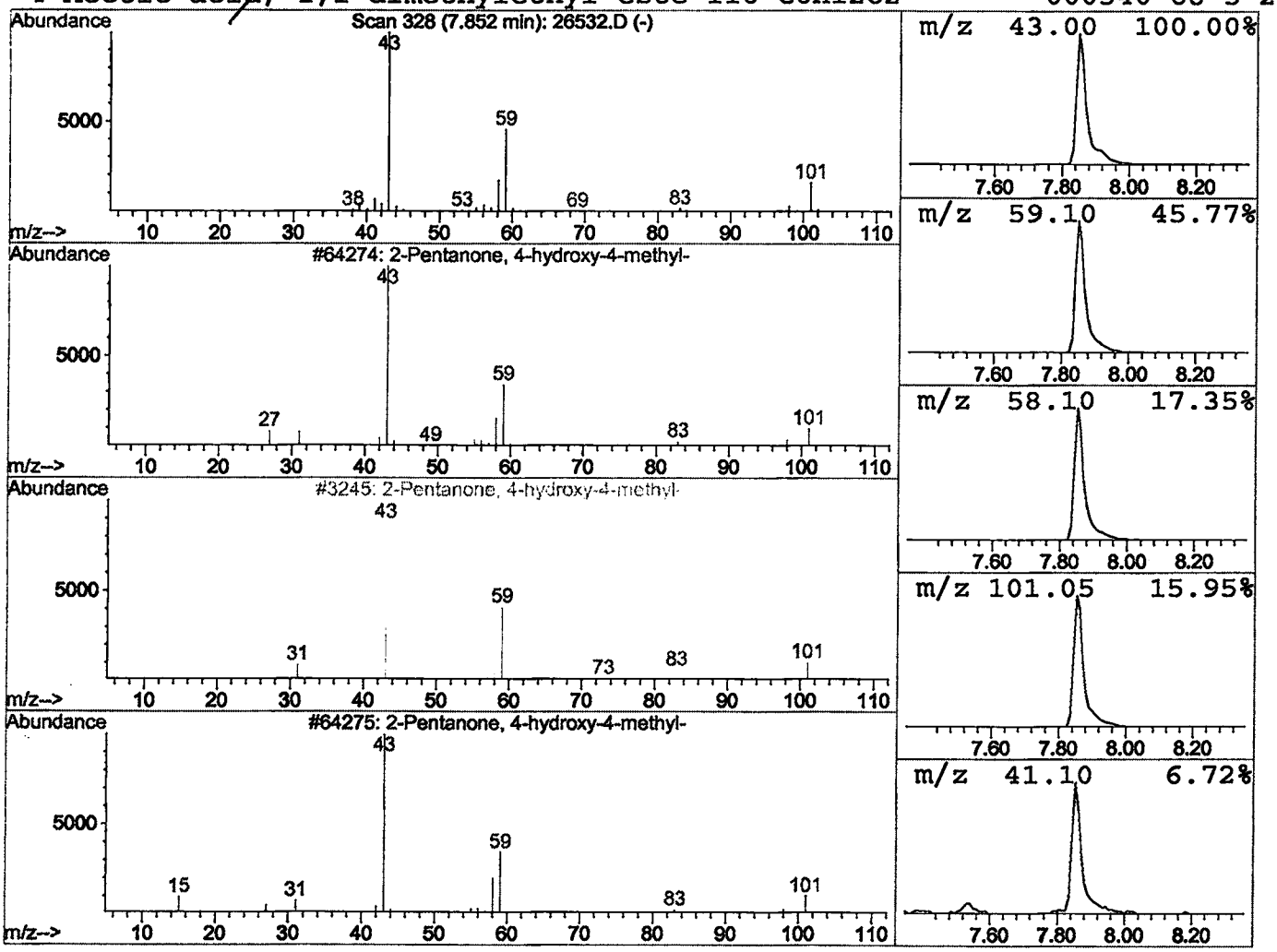
Peak Number 3 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	7.59 ng/uL	2379120	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	64
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	40
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

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Acq On : 8 Dec 2001 12:29 am Operator: GALOS
Sample : gc/ms unknown 11/6 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

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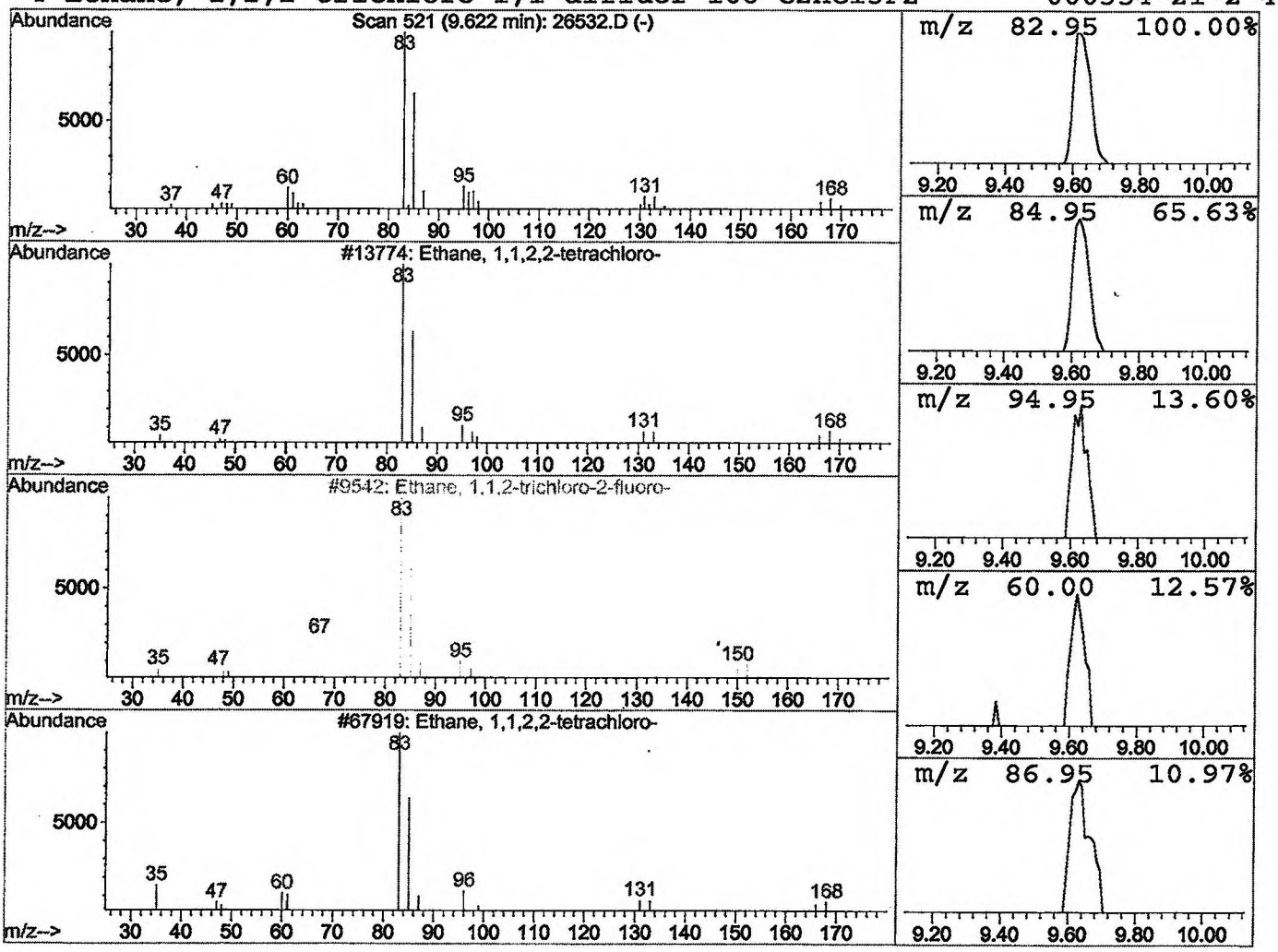
Peak Number 4 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	0.80 ng/uL	249832	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	95
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	55
4	Ethane, 1,2,2-trichloro-1,1-difluor	168	C2HCl3F2	000354-21-2	43



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 8 Dec 2001 12:29 am
Data File: C:\HPCHEM\1\DATA\DEC0701\26532.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	5.06	1.7	ng/uL	517843	ISTD01	11.88	6268240	20.0
2-Butanol, 3-methyl-	7.19	6.9	ng/uL	2151900	ISTD01	11.88	6268240	20.0
2-Pentanone, 4-hydro	7.85	7.6	ng/uL	2379120	ISTD01	11.88	6268240	20.0
Ethane, 1,1,2,2-tetr	9.62	0.8	ng/uL	249832	ISTD01	11.88	6268240	20.0

26532.D NP112701.M Thu Dec 13 11:23:16 2001