Comments for Sample AD26536 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 08:57:26

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

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/16/2001 Time: 08:54:53

Sample: AD26536
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/16/01 08:54 Ended: 12/16/01 08:54 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\26536.D Vial: 11
Acq On : 8 Dec 2001 3:14 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 9:28 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	771721	20.00	ng/uL	-0.06
19) Naphthalene-d8	15.48	136	2887230	20.00	ng/uL	-0.06
31) Acenaphthene-d10	20.76	164	1313048	20.00	ng/uL	-0.06
49) Phenanthrene-d10	25.17	188	1847971m	20.00	ng/uL	-0.07
59) Chrysene-d12	33.17	240	1229248	20.00	ng/uL	-0.07
68) Perylene-d12	37.26	264	738158	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	0.00	132	0	0.00	ng/uL	
Spiked Amount 75.000	Range 34 - 84		Recovery =	0.00%#		
7) 1,2-Dichlorobenzene-d4	12.23	152	641	0.02	ng/uL	-0.23
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	18.92	172	1168	0.01	ng/uL	0.09
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	12.88	45	396	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	0.00	65	0	N.D.	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.	

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

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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	2010	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.44	149	3079	N.D.	
67)	Chrysene	33.17	228	2010	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	1798	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.	

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26536.D NP112701.M Mon Dec 10 11:39:29 2001 Page 3

Quantitation Report

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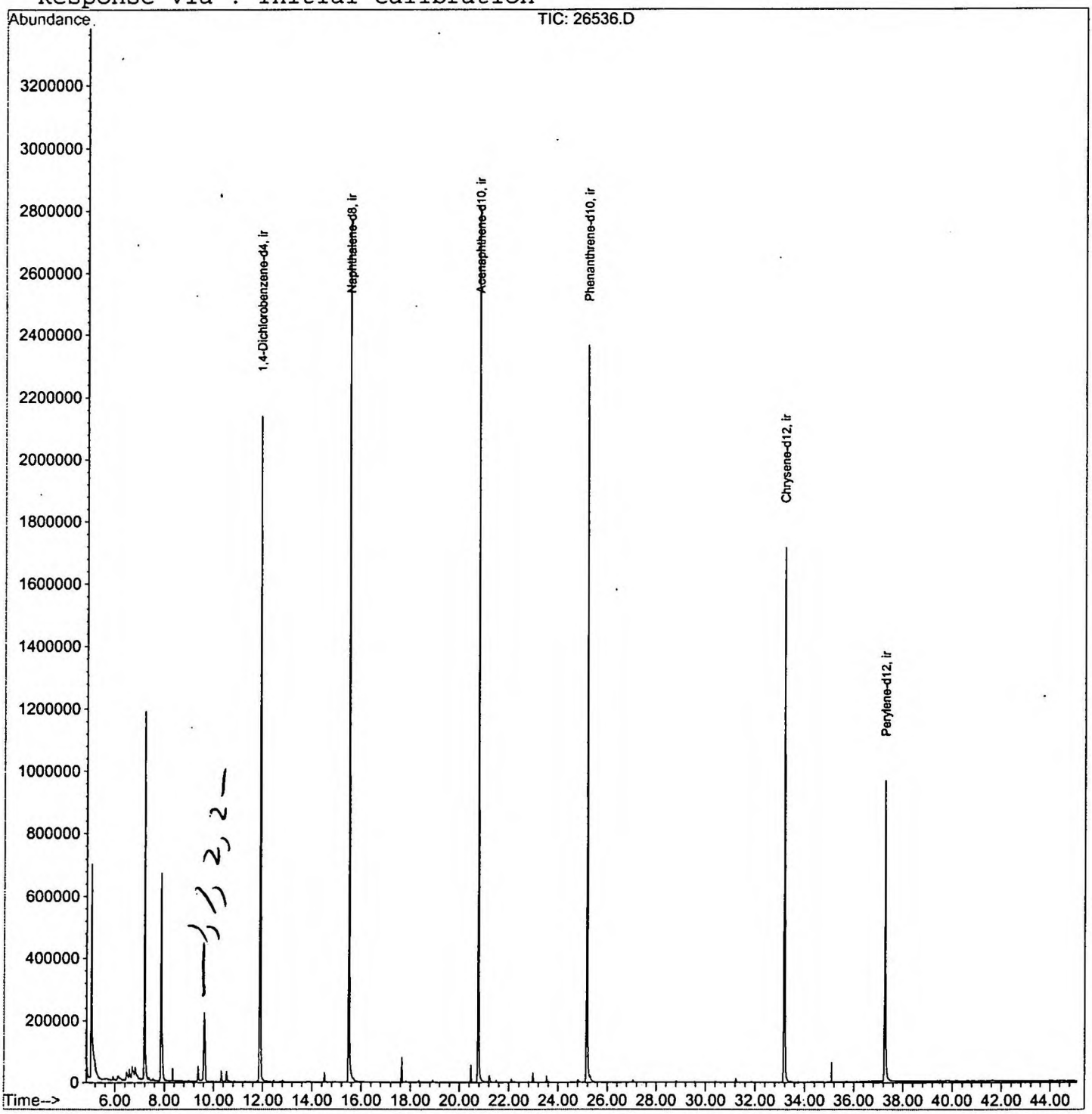
Acq On : 8 Dec 2001 3:14 am
Sample : gc/ms unknown 11/6
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 10 9:28 2001

Vial: 11
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\26536.D Vial: 11
Acq On : 8 Dec 2001 3:14 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

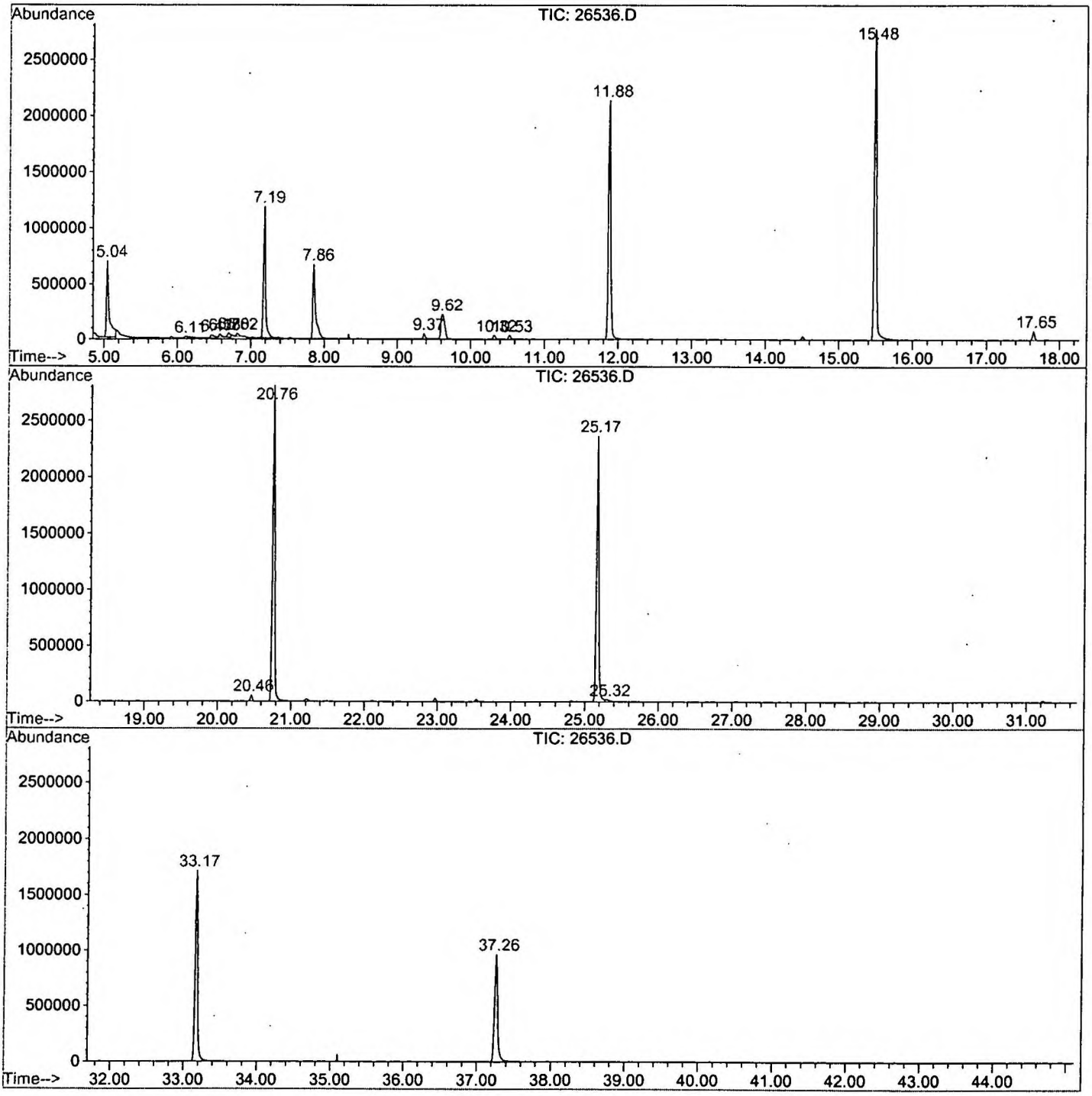
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	5.040	18	22	35	rBV	688390	1689280	29.04%	4.748%
2	6.113	131	139	145	rBV4	16152	66704	1.15%	0.187%
3	6.471	174	178	186	rBV6	26647	97341	1.67%	0.274%
4	6.581	186	190	199	rBV	29396	70377	1.21%	0.198%
5	6.700	199	203	206	rBV	37710	97384	1.67%	0.274%
6	6.819	212	216	225	rVB2	28691	74374	1.28%	0.209%
7	7.186	251	256	274	rVB	1183203	2273807	39.09%	6.391%
8	7.855	325	329	349	rBV	669212	1699400	29.22%	4.777%
9	9.369	490	494	498	rBV	48026	87382	1.50%	0.246%
10	9.616	516	521	531	rVB	220352	766769	13.18%	2.155%
11	10.322	593	598	606	rVB	35671	80253	1.38%	0.226%
12	10.533	615	621	629	rBV2	34343	80620	1.39%	0.227%
13	11.881	762	768	780	rBV	2138430	4745397	81.59%	13.339%
14	15.485	1156	1161	1181	rBV	2772001	5816496	100.00%	16.349%
15	17.649	1392	1397	1402	rBV	80751	147201	2.53%	0.414%
16	20.464	1699	1704	1708	rVB	56232	97797	1.68%	0.275%
17	20.758	1730	1736	1755	rBV	2816618	5791033	99.56%	16.278%
18	25.169	2208	2217	2229	rBV2	2366752	5217834	89.71%	14.666%
19	25.315	2229	2233	2242	rVB3	18047	64594	1.11%	0.182%
20	33.174	3084	3090	3111	rBV2	1715336	3929675	67.56%	11.046%
21	37.264	3529	3536	3550	rBV2	964813	2682869	46.13%	7.541%

Sum of corrected areas: 35576587

26536.D NP112701.M Thu Dec 13 11:25:44 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\26536.D
Operator : GALOS
Acquired : 8 Dec 2001 3:14 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/6
Misc Info :
Vial Number: 11
Quant File :NP112701.RES (RTE Integrator)



26536.D NP112701.M Thu Dec 13 11:25:47 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\26536.D
Acq On : 8 Dec 2001 3:14 am
Sample : gc/ms unknown 11/6
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

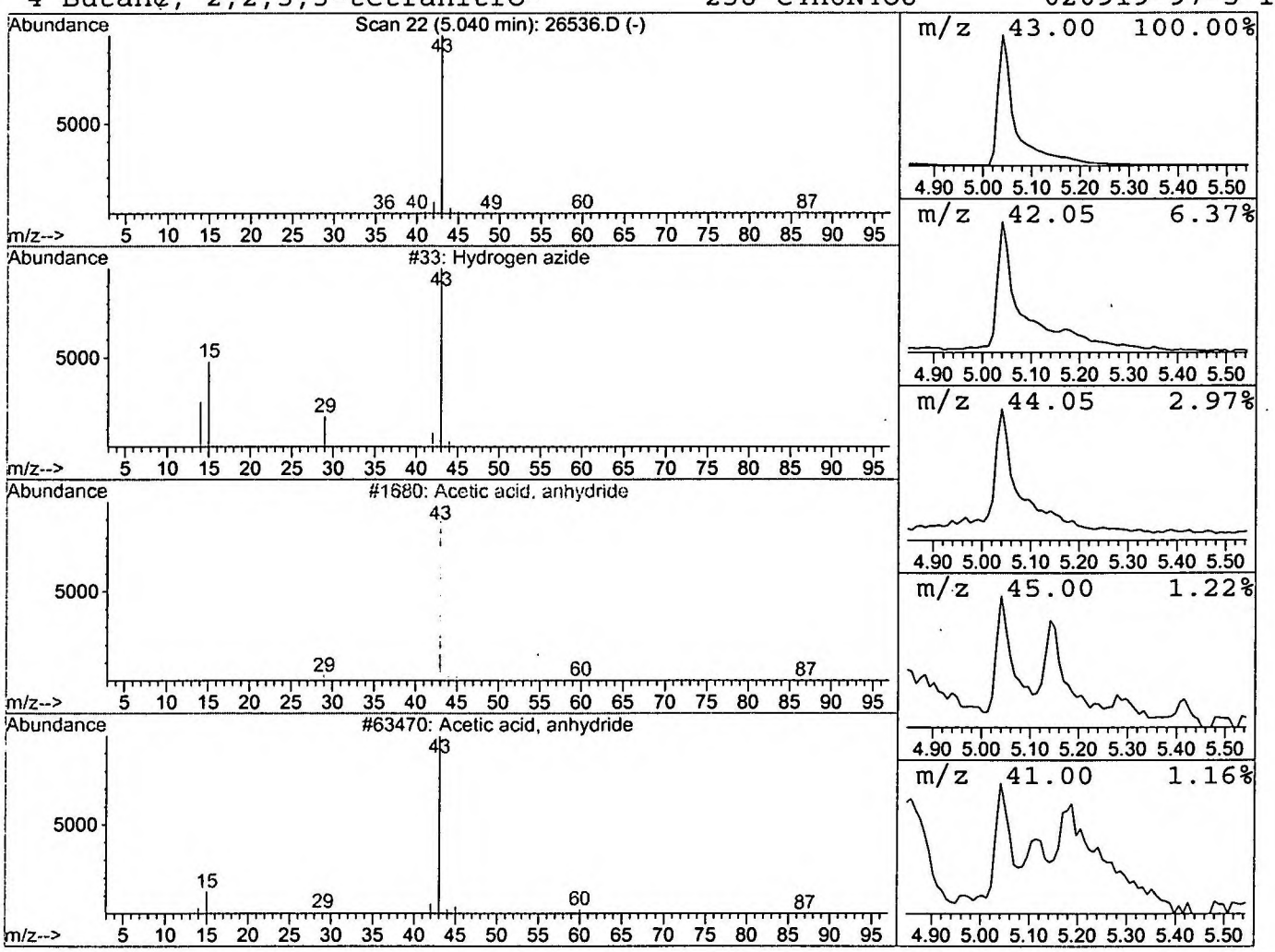
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	7.12 ng/uL	1689280	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



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Misc : Multiplr: 1.00
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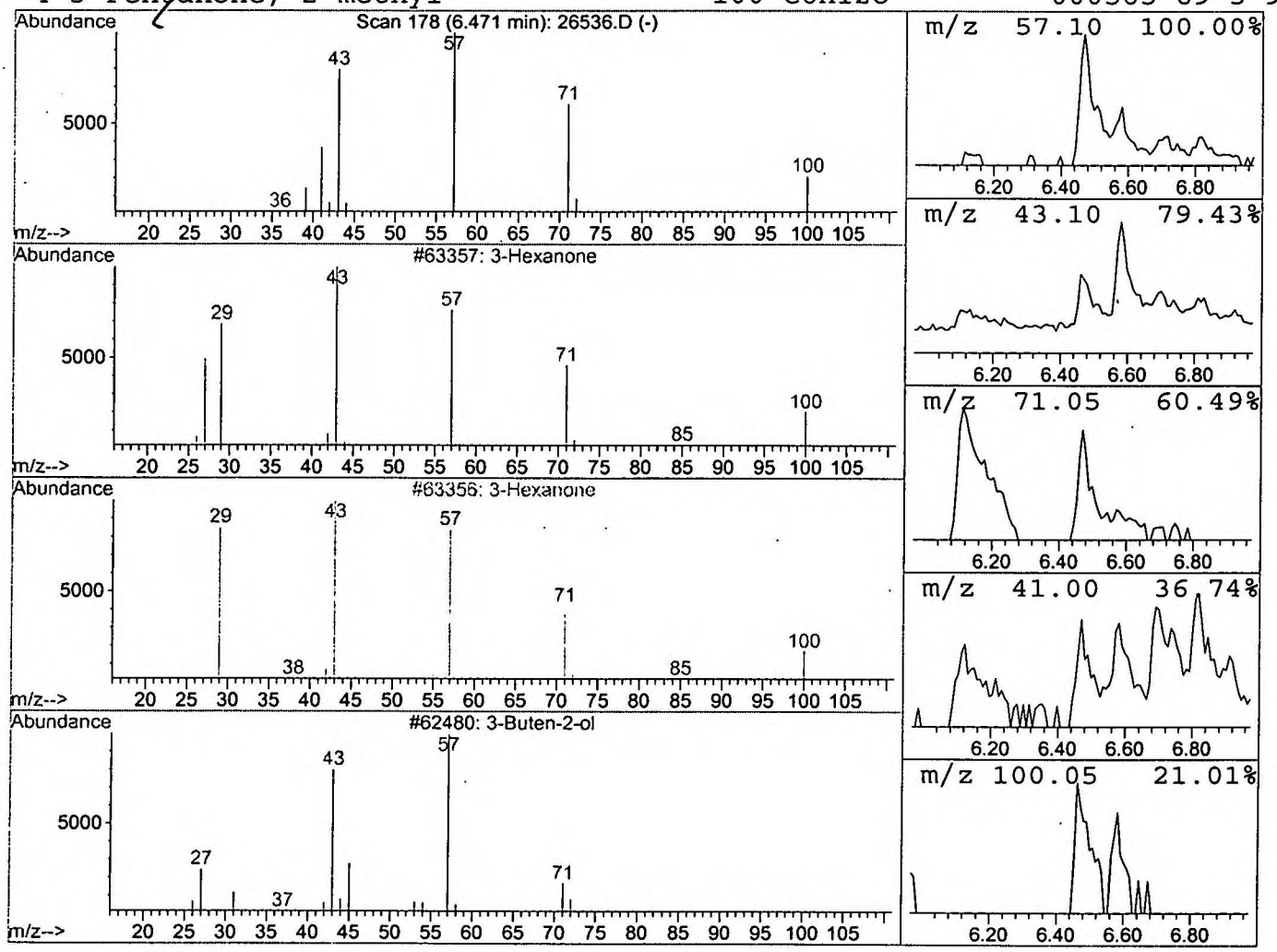
****

Peak Number 2 3-Hexanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	0.41 ng/uL	97341	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	64
2	3-Hexanone	100	C6H12O	000589-38-8	59
3	3-Buten-2-ol	72	C4H8O	000598-32-3	37
4	3-Pentanone, 2-methyl-	100	C6H12O	000565-69-5	9



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Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

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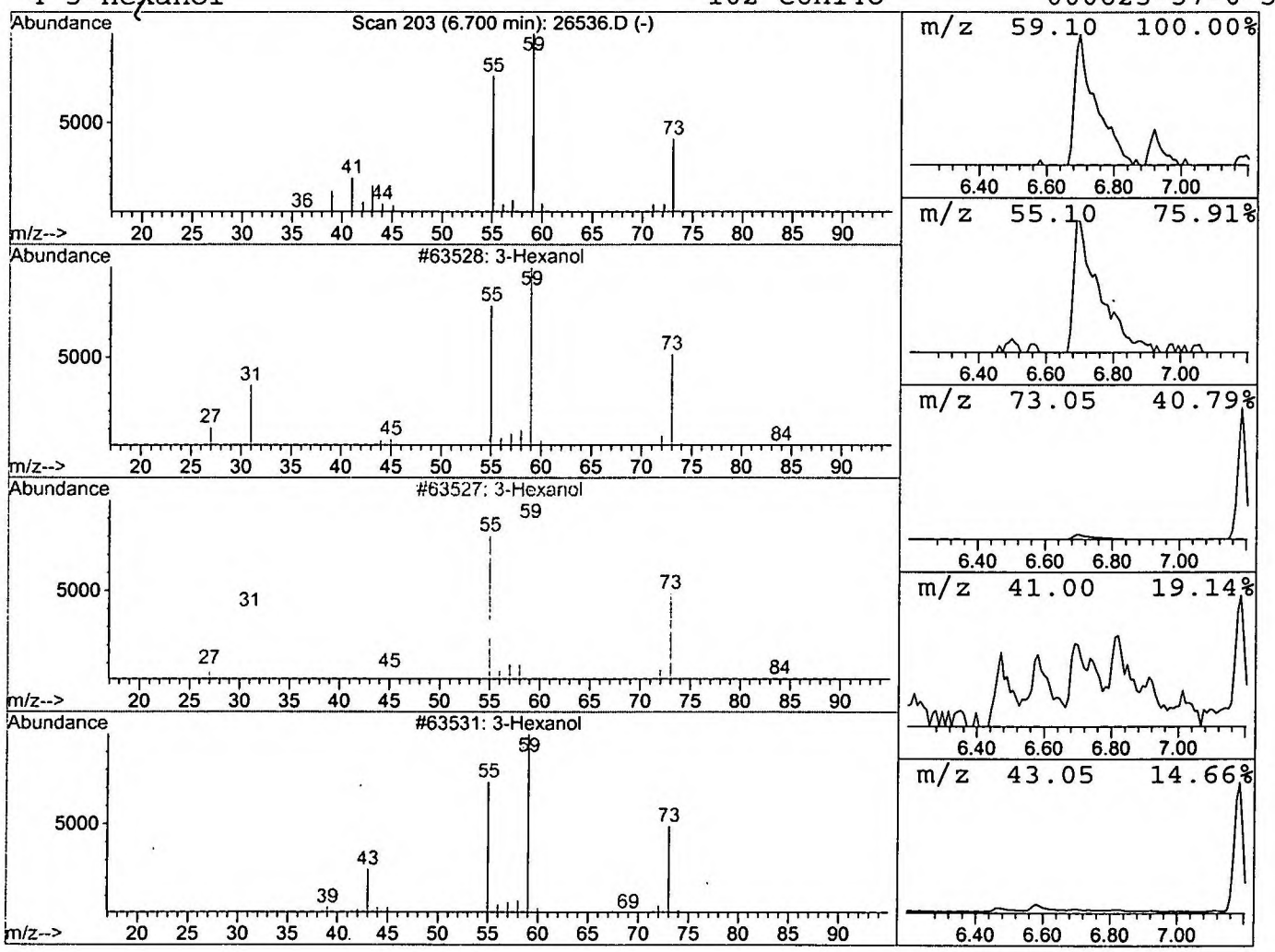
****

Peak Number 3 3-Hexanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	0.41 ng/uL	97384	1,4-Dichlorobenzene-d4	11.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol	102	C6H14O	000623-37-0	83
2	3-Hexanol	102	C6H14O	000623-37-0	78
3	3-Hexanol	102	C6H14O	000623-37-0	64
4	3-Hexanol	102	C6H14O	000623-37-0	56



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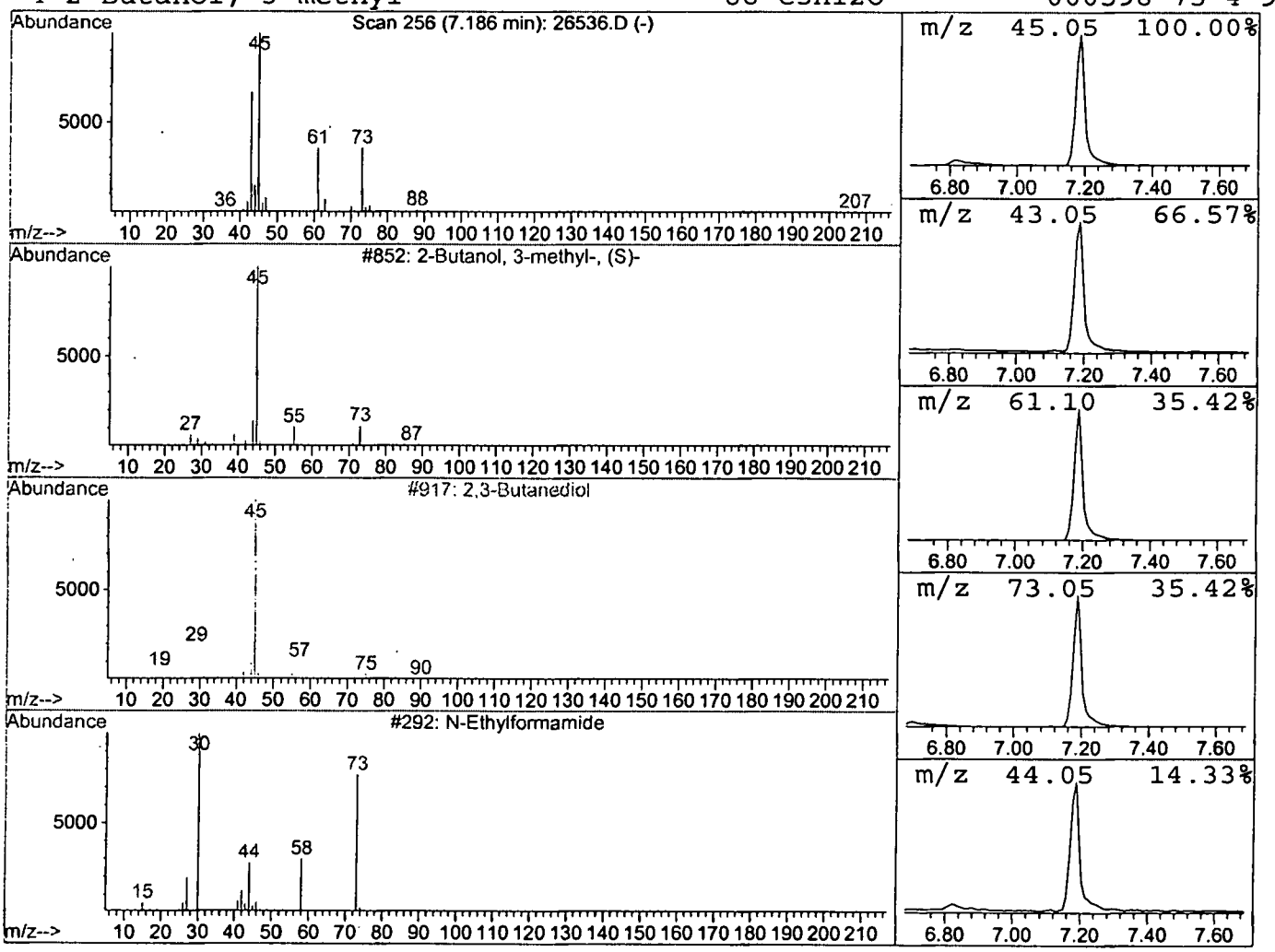
Peak Number 4 2-Butanol, 3-methyl-, (S)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	9.58 ng/uL	2273810	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	42
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



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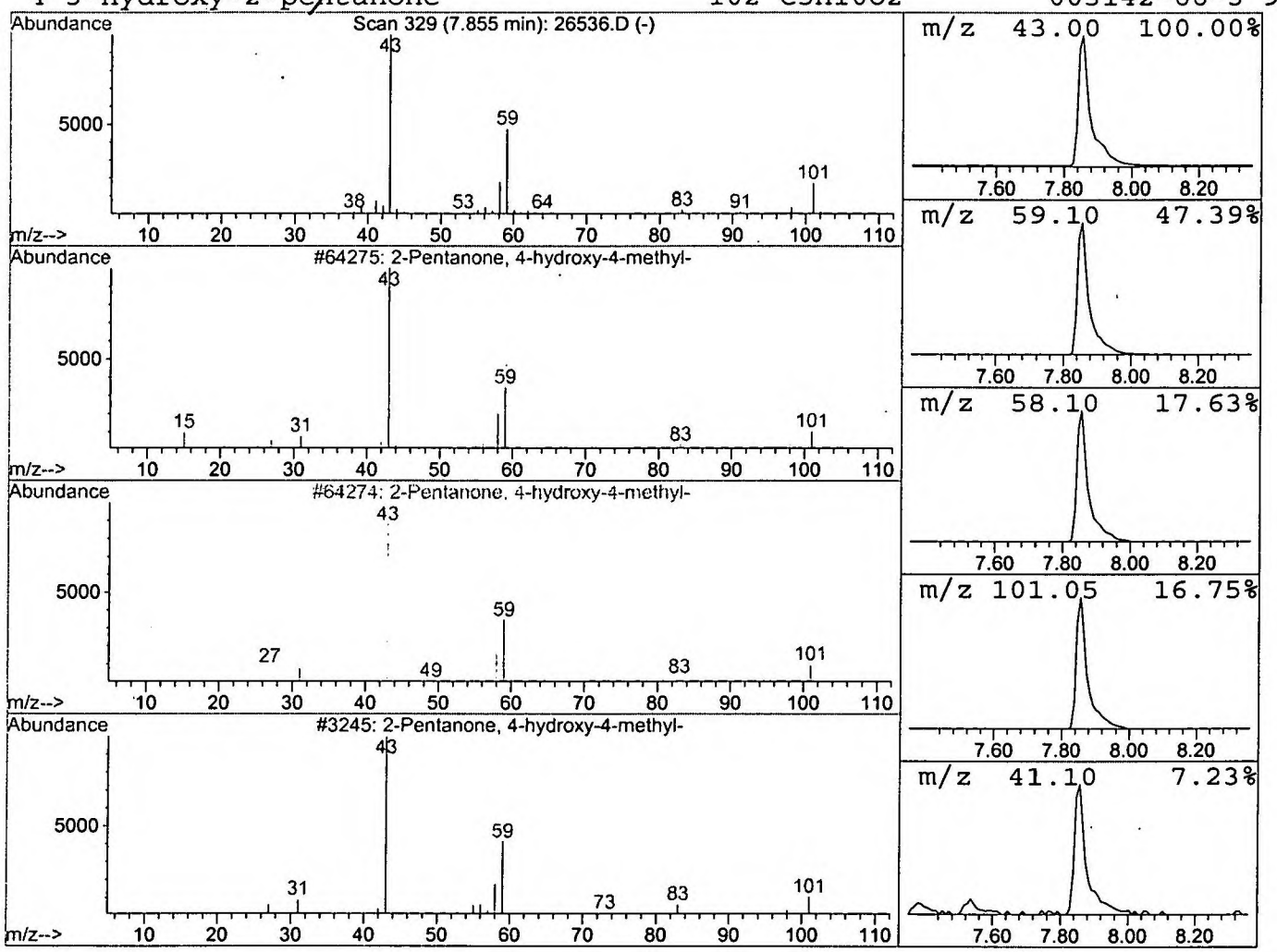
Peak Number 5 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	7.16 ng/uL	1699400	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	53
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	43
4	3-Hydroxy-2-pentanone	102	C5H10O2	003142-66-3	9



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Misc : Multiplr: 1.00
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Library : C:\DATABASE\NBS75K.L

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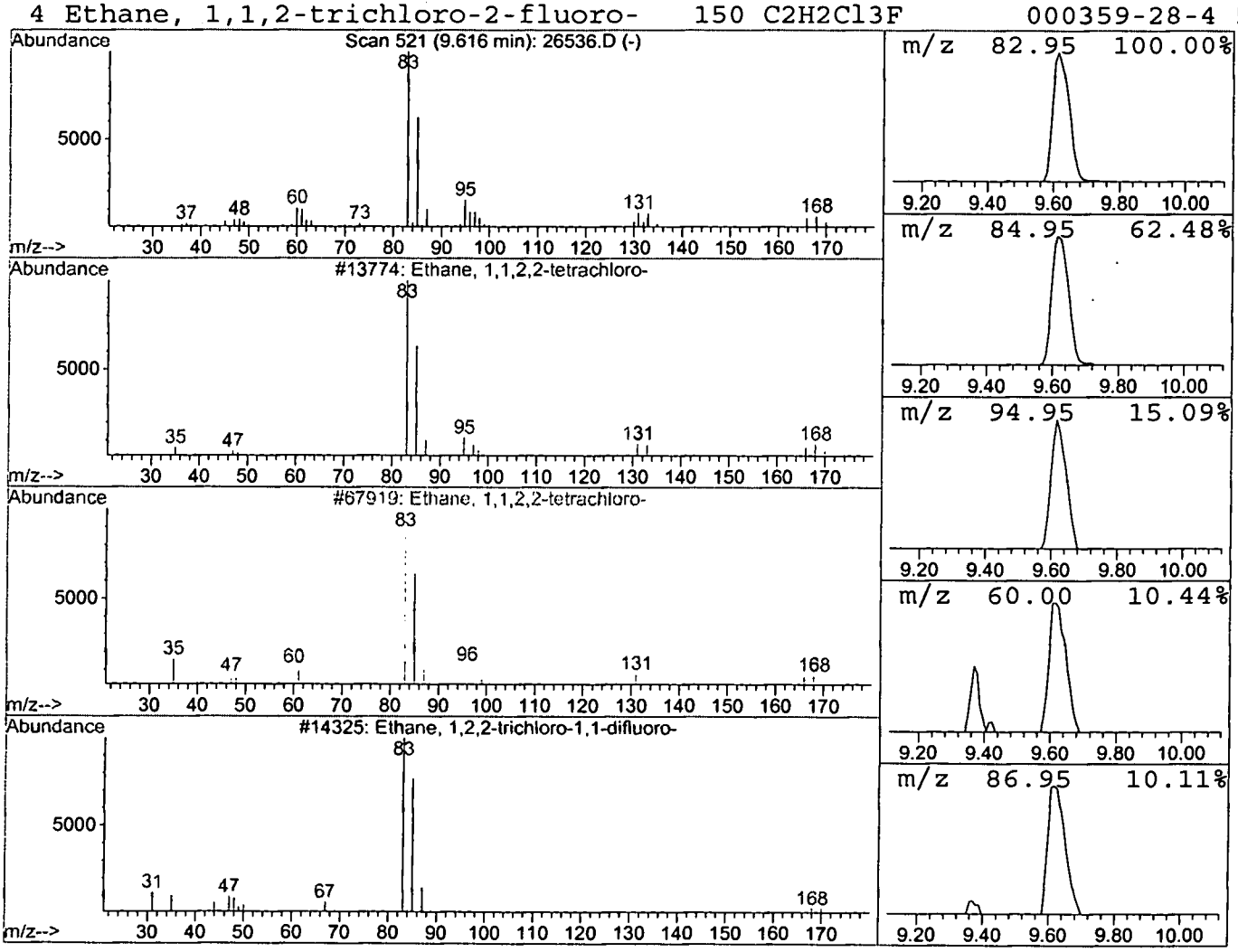
Peak Number 6 Ethane, 1,1,2,2-tetrachloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	3.23 ng/uL	766769	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, 1,1,2,2-tetrachloro-	166	C2H2Cl4	000079-34-5	70
3	Ethane, 1,2,2-trichloro-1,1-difluor	168	C2HCl3F2	000354-21-2	59
4	Ethane, 1,1,2-trichloro-2-fluoro-	150	C2H2Cl3F	000359-28-4	50



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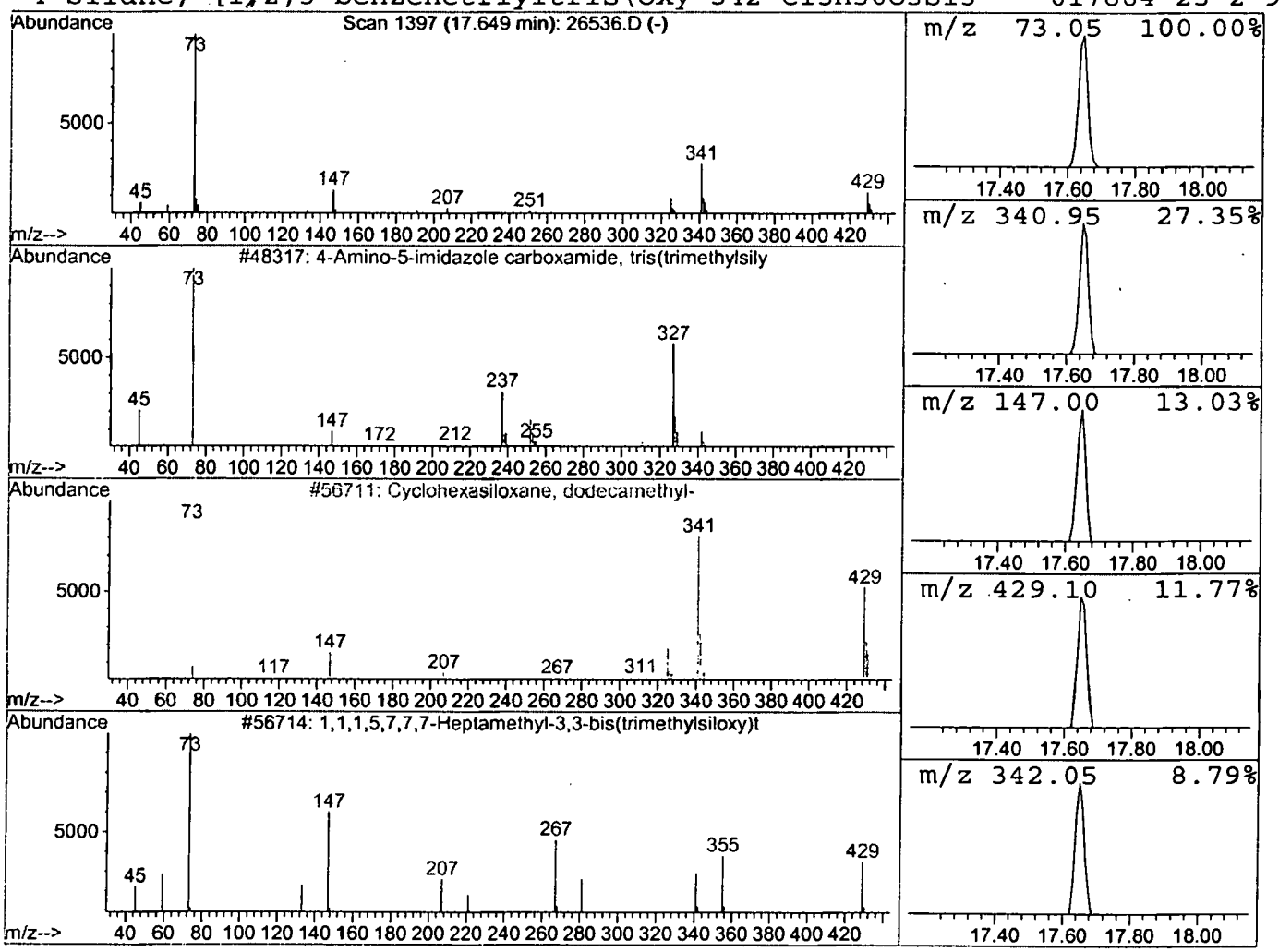
Peak Number 7 4-Amino-5-imidazole carboxamid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	0.51 ng/uL	147201	Naphthalene-d8	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-5-imidazole carboxamide, tr	342	C13H30N4OSi3	000000-00-0	38
2	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	28
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	23
4	Silane, [1,2,3-benzenetriyltris(oxy	342	C15H30O3Si3	017864-23-2	9



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 8 Dec 2001 3:14 am
Data File: C:\HPCHEM\1\DATA\DEC0701\26536.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	5.04	7.1	ng/uL	1689280	ISTD01	11.88	4745400	20.0
3-Hexanone	6.47	0.4	ng/uL	97341	ISTD01	11.88	4745400	20.0
3-Hexanol	6.70	0.4	ng/uL	97384	ISTD01	11.88	4745400	20.0
2-Butanol, 3-methyl-	7.19	9.6	ng/uL	2273810	ISTD01	11.88	4745400	20.0
2-Pentanone, 4-hydro	7.86	7.2	ng/uL	1699400	ISTD01	11.88	4745400	20.0
Ethane, 1,1,2,2-tetr	9.62	3.2	ng/uL	766769	ISTD01	11.88	4745400	20.0
4-Amino-5-imidazole	17.65	0.5	ng/uL	147201	ISTD02	15.49	5816500	20.0

26536.D NP112701.M Thu Dec 13 11:26:04 2001