User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 12/10/2001 Time: 14:50:55

Sample: AD26682
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/10/01 14:50 Ended: 12/10/01 14:50 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD26682 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Galos, Marie
Date: 12-10-2001 Time: 14:51:00

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D Vial: 2
Acq On : 5 Dec 2001 9:41 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 9:55 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	11.86	152	1118996	20.00	ng/uL	-0.08
19) Naphthalene-d8	15.47	136	4194668	20.00	ng/uL	-0.08
31) Acenaphthene-d10	20.75	164	1862365	20.00	ng/uL	-0.08
49) Phenanthrene-d10	25.17	188	2503742	20.00	ng/uL	-0.08
59) Chrysene-d12	33.16	240	1353603	20.00	ng/uL	-0.09
68) Perylene-d12	37.25	264	826907	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	11.86	132	753	0.01	ng/uL	0.44
Spiked Amount 75.000	Range 34 - 84		Recovery = 0.01%#			
7) 1,2-Dichlorobenzene-d4	12.13	152	370	0.01	ng/uL	-0.32
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	18.90	172	2011	0.02	ng/uL	0.07
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	1486	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

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Last Update : Wed Nov 28 15:33:44 2001
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	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	1153	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	27.16	149	21003	N.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	33.16	228	2533	N.D.	
66)	Bis(2-ethylhexyl)phthalate	33.43	149	20627	0.26 ng/uL#	97
67)	Chrysene	33.16	228	2533	N.D.	
69)	Di-n-Octylphthalate	0.00	149	0	N.D.	
70)	Benzo(b)fluoranthene	0.00	252	0	N.D.	

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Title : 208 625/TCLP calibration table
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Response via : Initial Calibration
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Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	37.25	252	2120	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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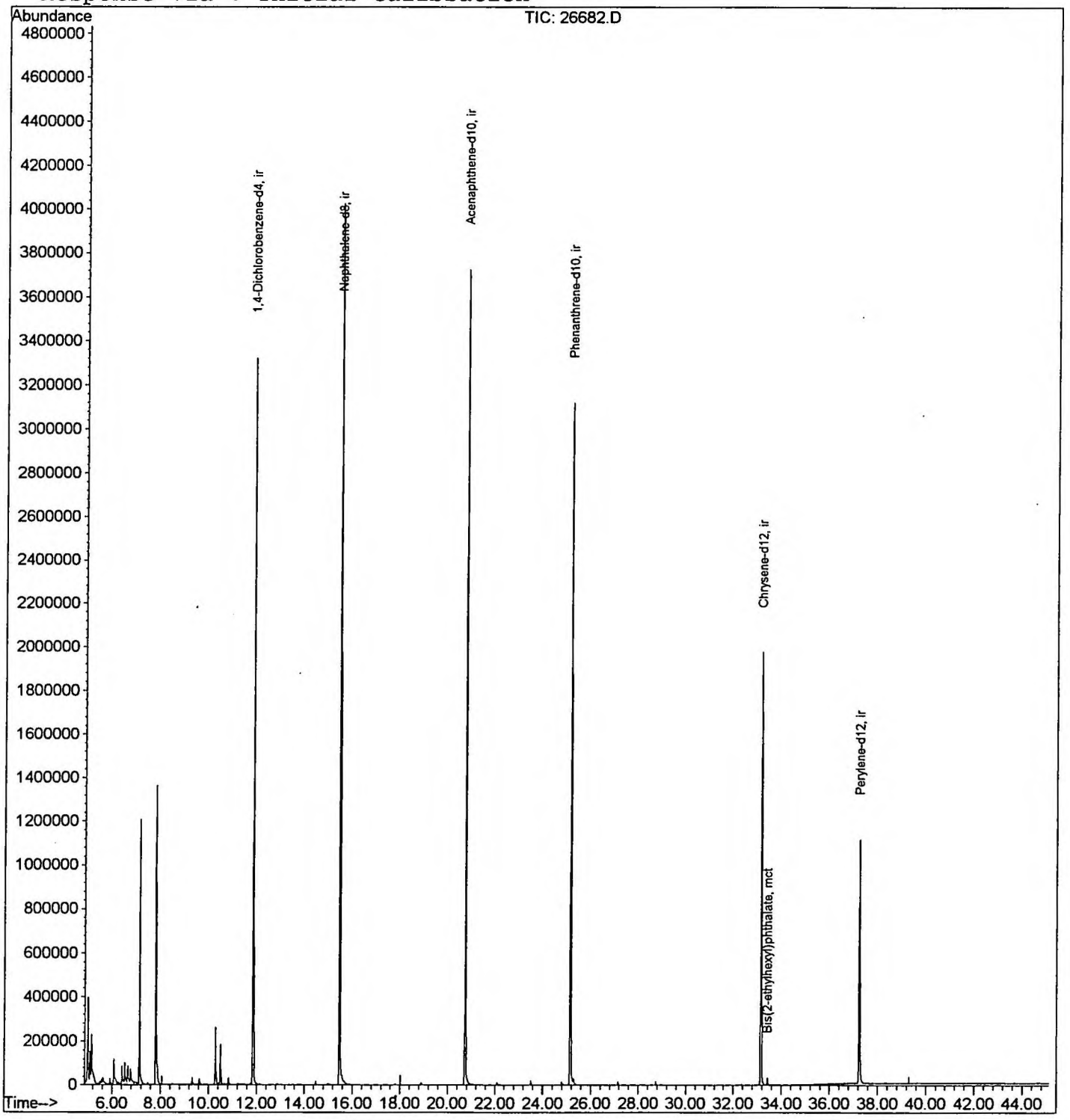


LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D Vial: 2
Acq On : 5 Dec 2001 9:41 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

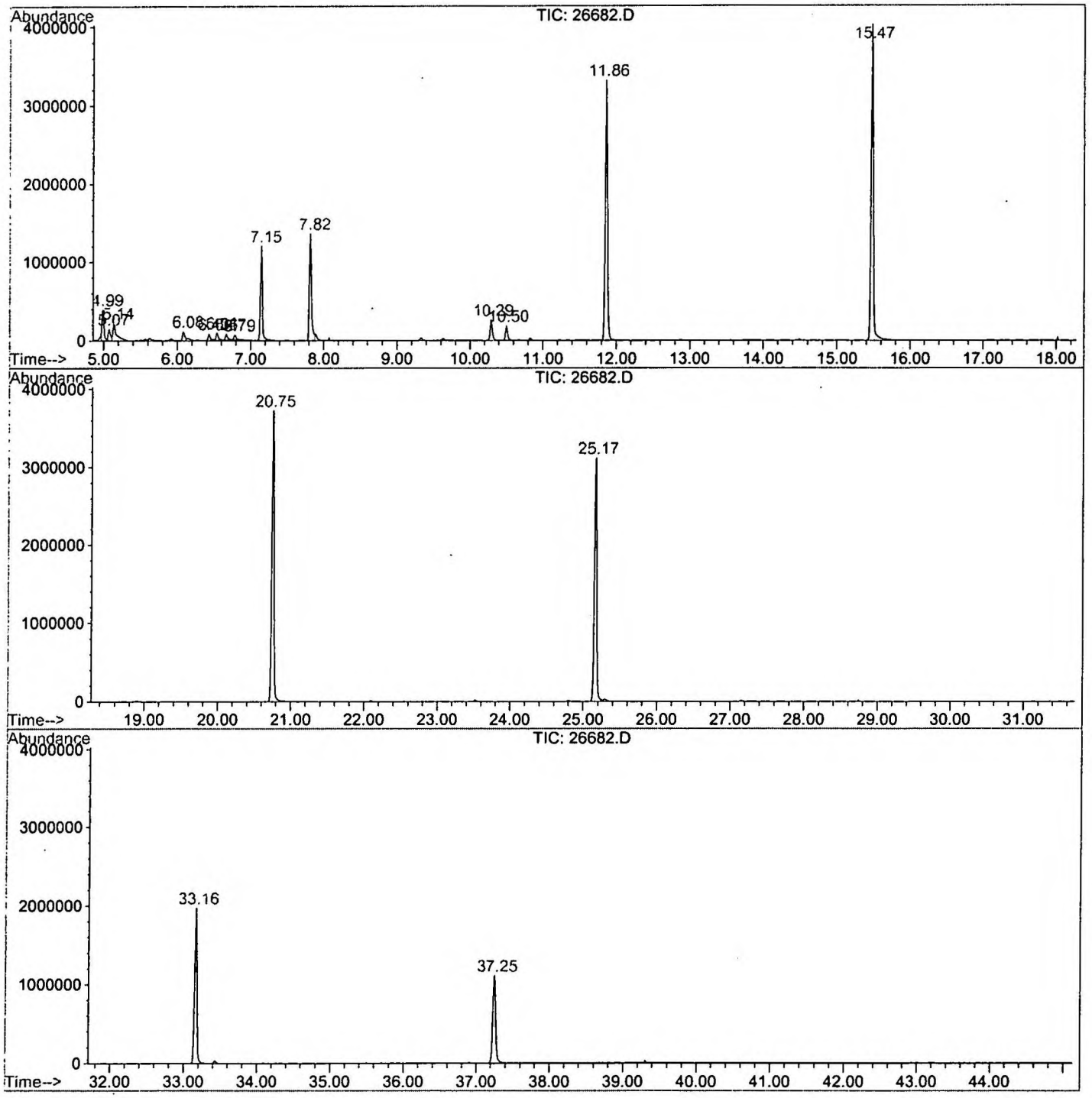
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	4.991	13	16	22	rVV	388140	720442	8.47%	1.559%
2	5.074	22	25	29	rVV	145389	298217	3.51%	0.645%
3	5.138	29	32	55	rVB	226065	742323	8.73%	1.606%
4	6.082	131	135	139	rBV	117682	249468	2.93%	0.540%
5	6.431	169	173	181	rBV	84947	187117	2.20%	0.405%
6	6.541	181	185	195	rVV	95065	204138	2.40%	0.442%
7	6.669	195	199	207	rVV	76213	161913	1.90%	0.350%
8	6.789	208	212	217	rBV2	59960	123399	1.45%	0.267%
9	7.146	246	251	266	rVB	1202577	2130455	25.05%	4.609%
10	7.816	320	324	331	rBV	1364487	2647823	31.14%	5.728%
11	10.291	589	594	602	rBV	261828	536140	6.30%	1.160%
12	10.502	613	617	626	rBV	186083	366386	4.31%	0.793%
13	11.860	760	765	786	rBV	3320487	6892567	81.05%	14.912%
14	15.473	1153	1159	1177	rBV	4025570	8503769	100.00%	18.397%
15	20.745	1728	1734	1752	rBV	3726166	8129286	95.60%	17.587%
16	25.165	2209	2216	2227	rBV2	3119036	6979363	82.07%	15.099%
17	33.162	3082	3088	3104	rBV2	1975709	4312094	50.71%	9.329%
18	37.252	3526	3534	3549	rBV2	1109751	3037720	35.72%	6.572%

Sum of corrected areas: 46222620

26682.D NP112701.M Fri Dec 07 13:13:06 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0501\26682.D
Operator : GALOS
Acquired : 5 Dec 2001 9:41 am using AcqMethod NP112701
Instrument : GC/MS Ins
Sample Name: gc/ms unknown 11/7
Misc Info :
Vial Number: 2
Quant File :NP112701.RES (RTE Integrator)



26682.D NP112701.M Fri Dec 07 13:13:08 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D
Acq On : 5 Dec 2001 9:41 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: GALOS
Inst : GC/MS Ins
Multiplr: 1.00

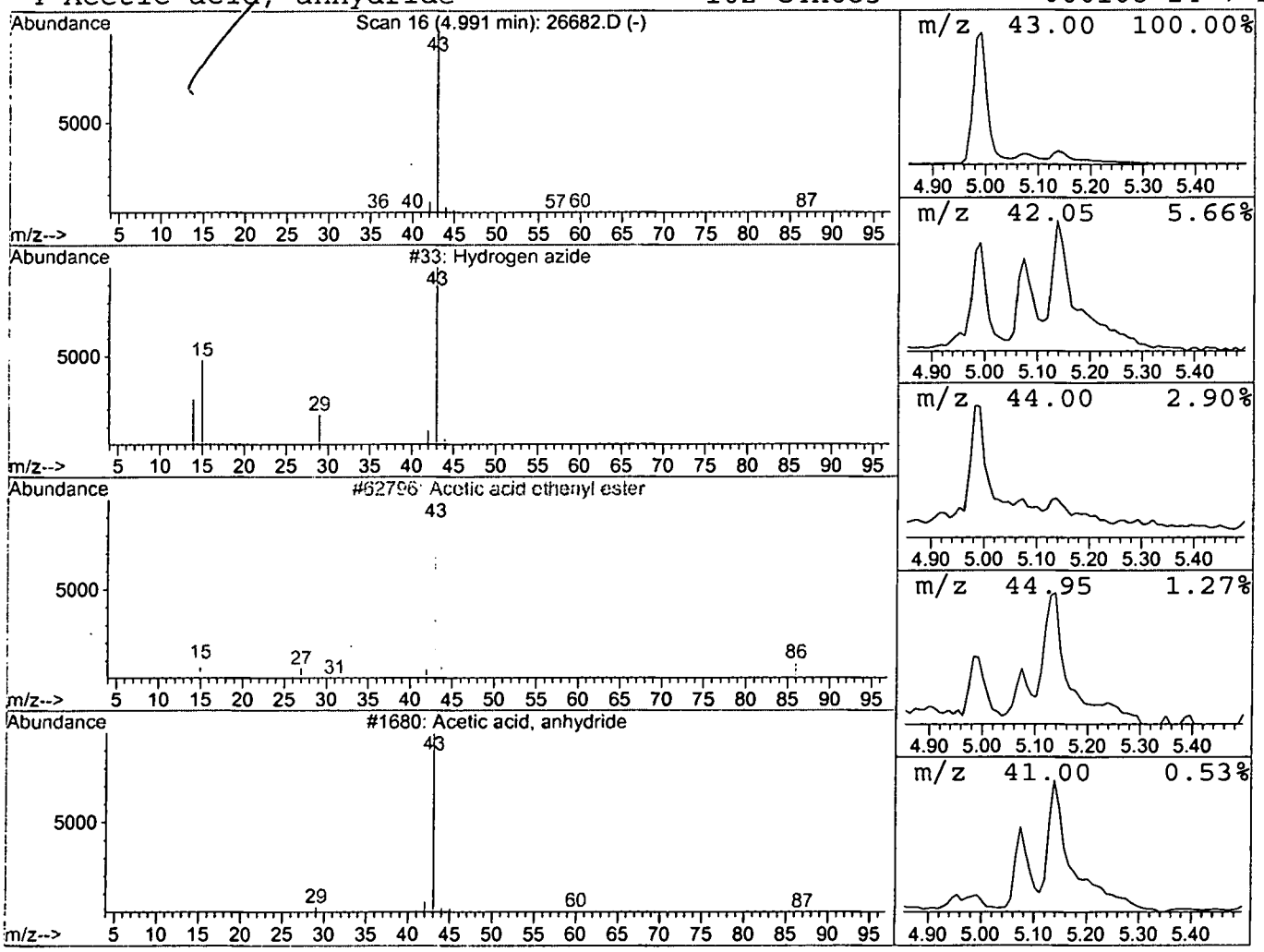
Quant Method : C:\HPCHEM\1\METHODS\NP112701.M (RTE Integrator)
Title : 208 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrogen azide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	2.09 ng/uL	720442	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen azide	43	HN3	007782-79-8	4
2	Acetic acid ethenyl ester	86	C4H6O2	000108-05-4	2
3	Acetic acid, anhydride	102	C4H6O3	000108-24-7	2
4	Acetic acid, anhydride	102	C4H6O3	000108-24-7	2



Library Search Compound Report

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Acq On : 5 Dec 2001 9:41 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)
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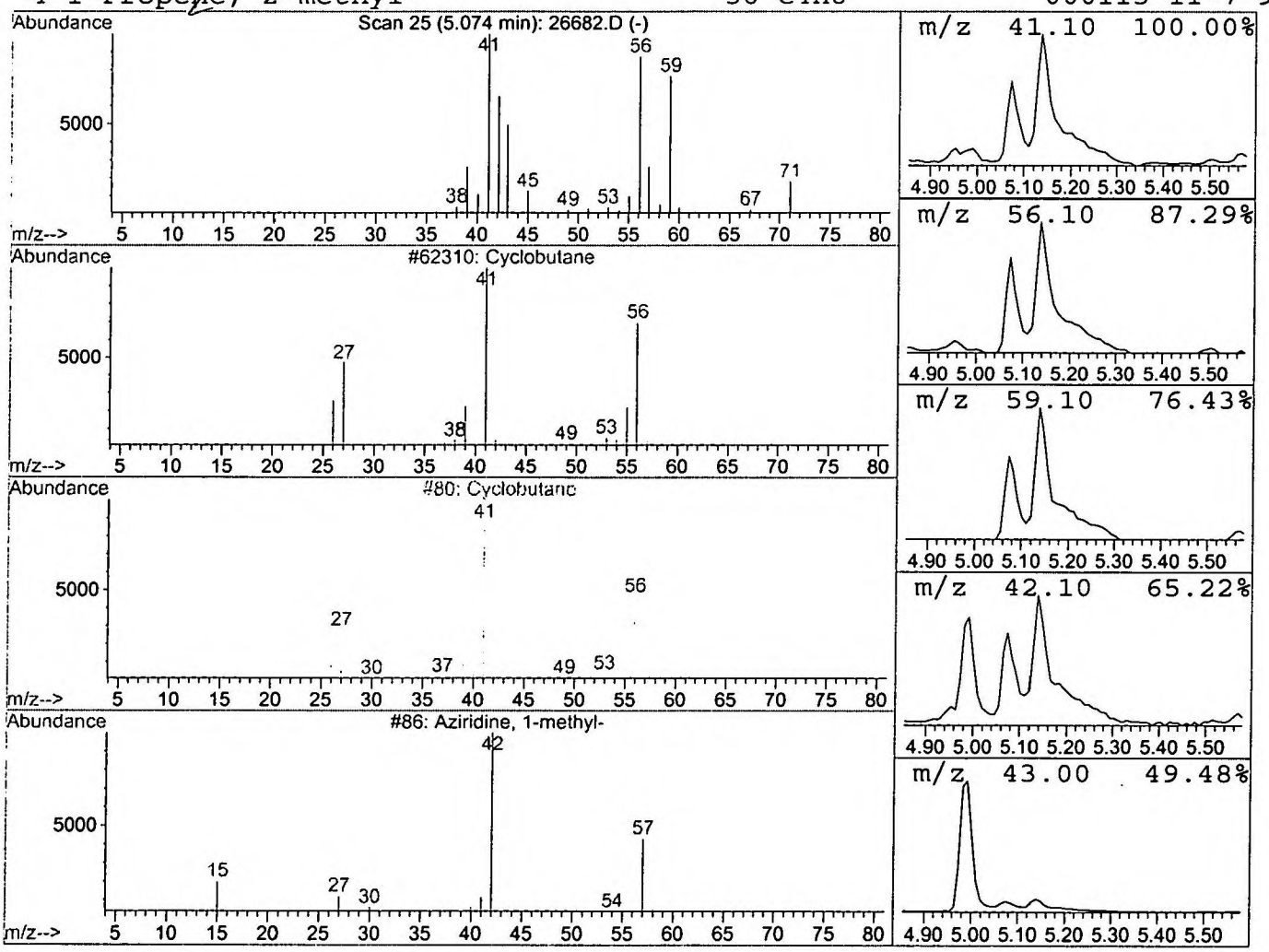
****

Peak Number 2 Cyclobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	0.87 ng/uL	298217	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane	56	C4H8	000287-23-0	16
2	Cyclobutane	56	C4H8	000287-23-0	9
3	Aziridine, 1-methyl-	57	C3H7N	001072-44-2	9
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9



Library Search Compound Report

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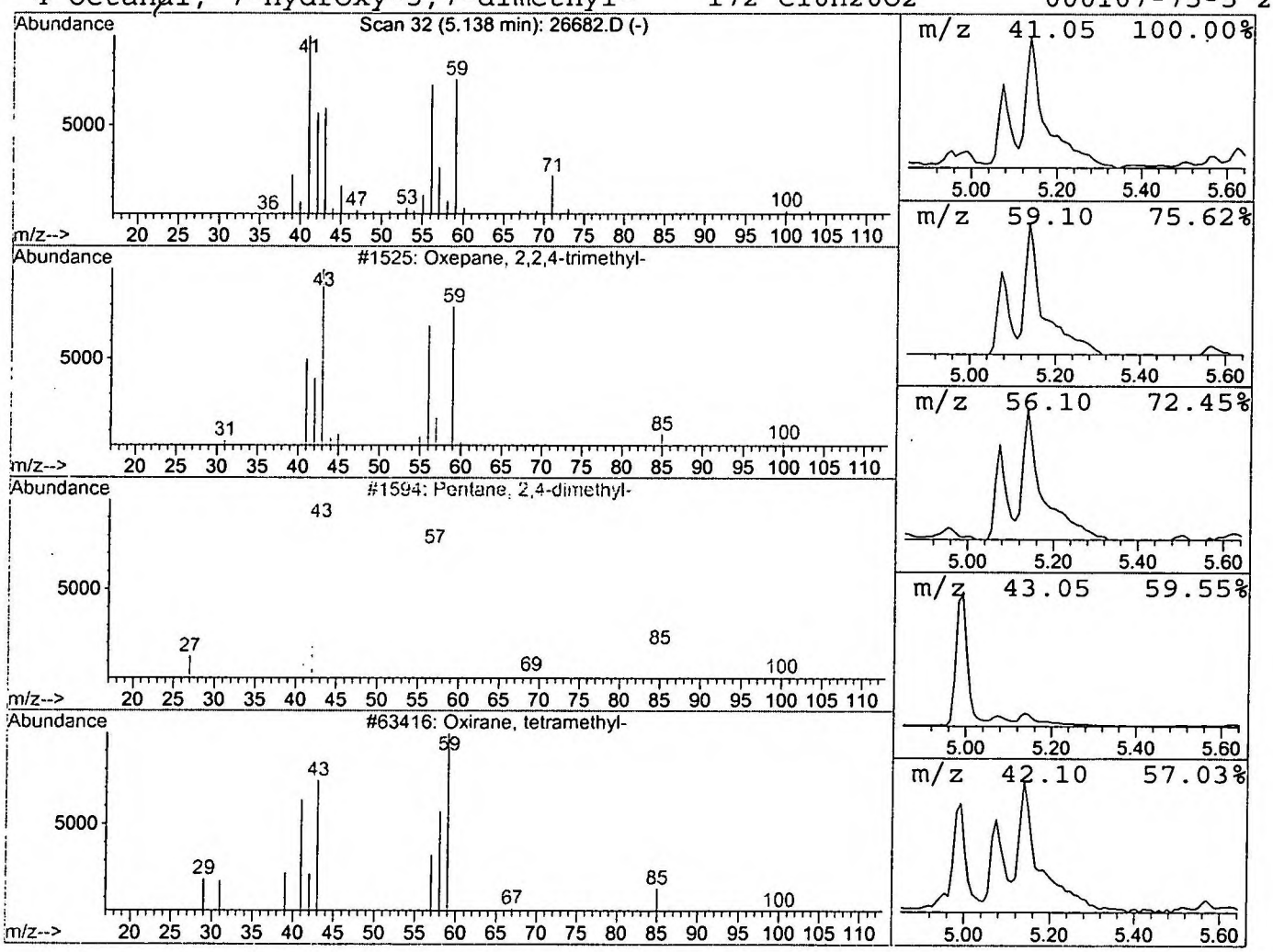
Peak Number 3 Oxepane, 2,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	2.15 ng/uL	742323	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxepane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	38
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	27
3	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	27
4	Octanal, 7-hydroxy-3,7-dimethyl-	172	C10H20O2	000107-75-5	23



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Acq On : 5 Dec 2001 9:41 am Operator: GALOS
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Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

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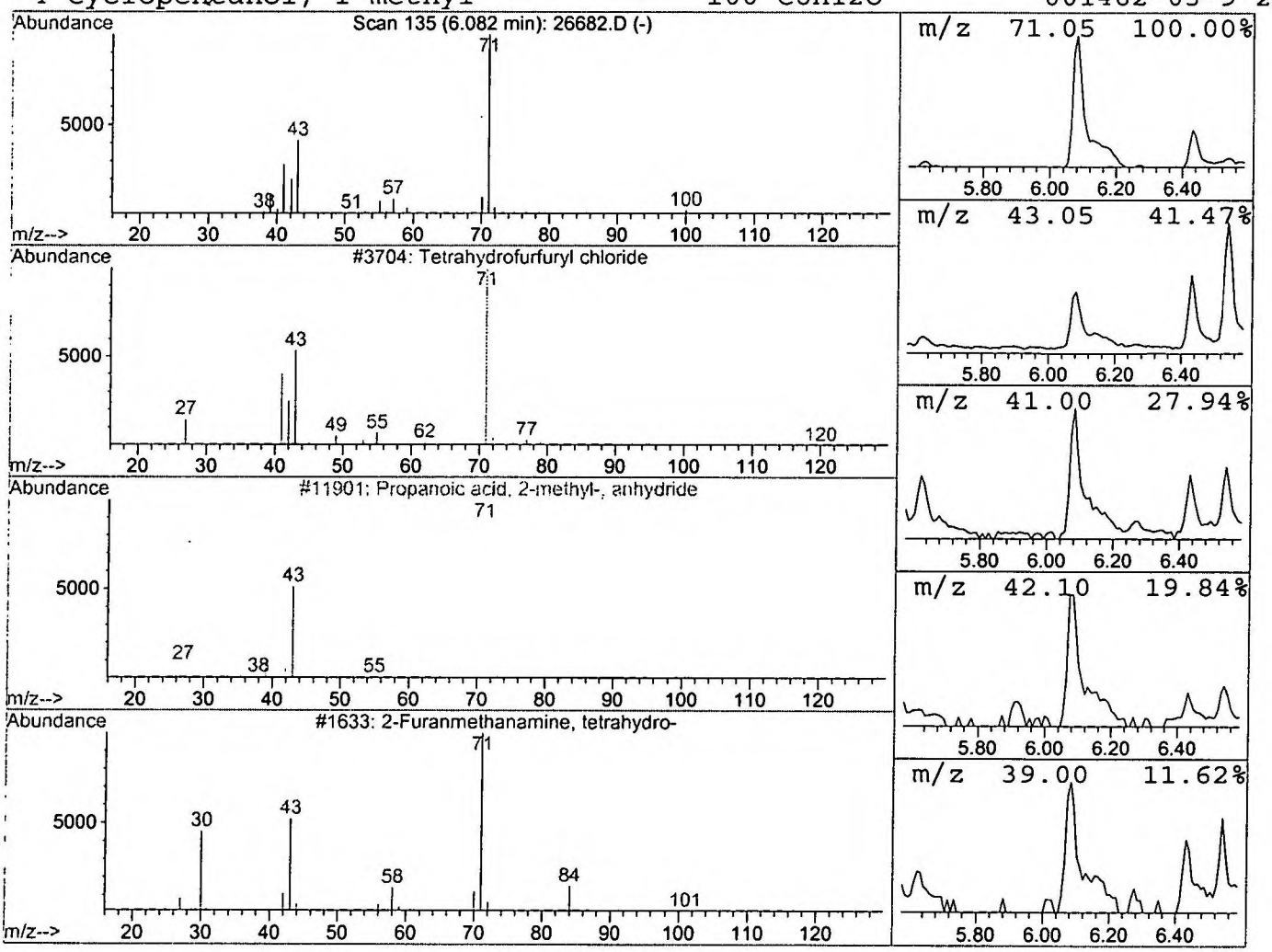
Peak Number 4 Tetrahydrofurfuryl chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.08	0.72 ng/uL	249468	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	50
2	Propanoic acid, 2-methyl-, anhydrid	158	C8H14O3	000097-72-3	40
3	2-Furanmethanamine, tetrahydro-	101	C5H11NO	004795-29-3	38
4	Cyclopentanol, 1-methyl-	100	C6H12O	001462-03-9	25



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Misc :
MS Integration Params: LSCINT.P

Vial: 2
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

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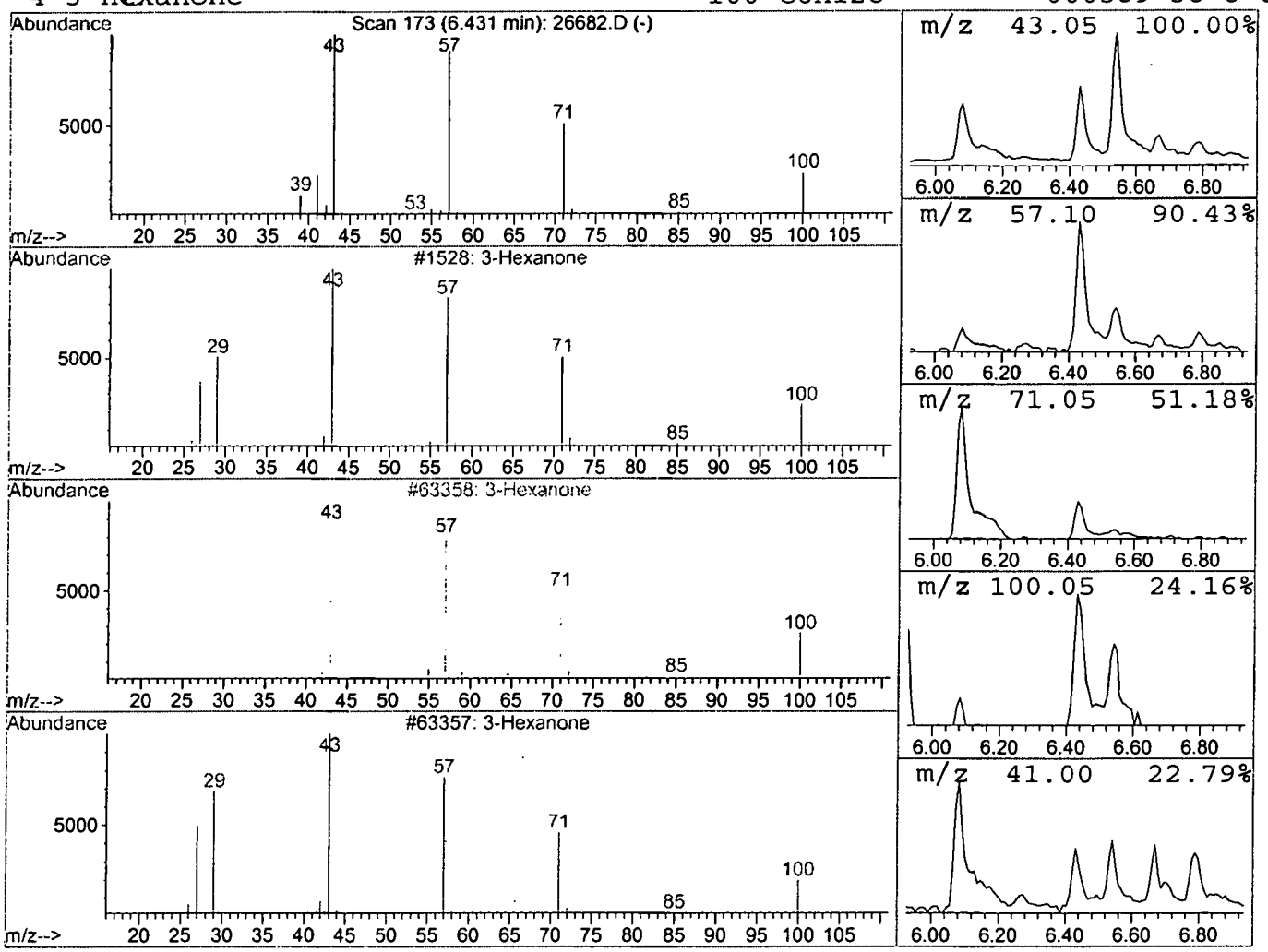
Peak Number 5 3-Hexanone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	0.54 ng/uL	187117	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone	100	C6H12O	000589-38-8	90
2	3-Hexanone	100	C6H12O	000589-38-8	86
3	3-Hexanone	100	C6H12O	000589-38-8	86
4	3-Hexanone	100	C6H12O	000589-38-8	64



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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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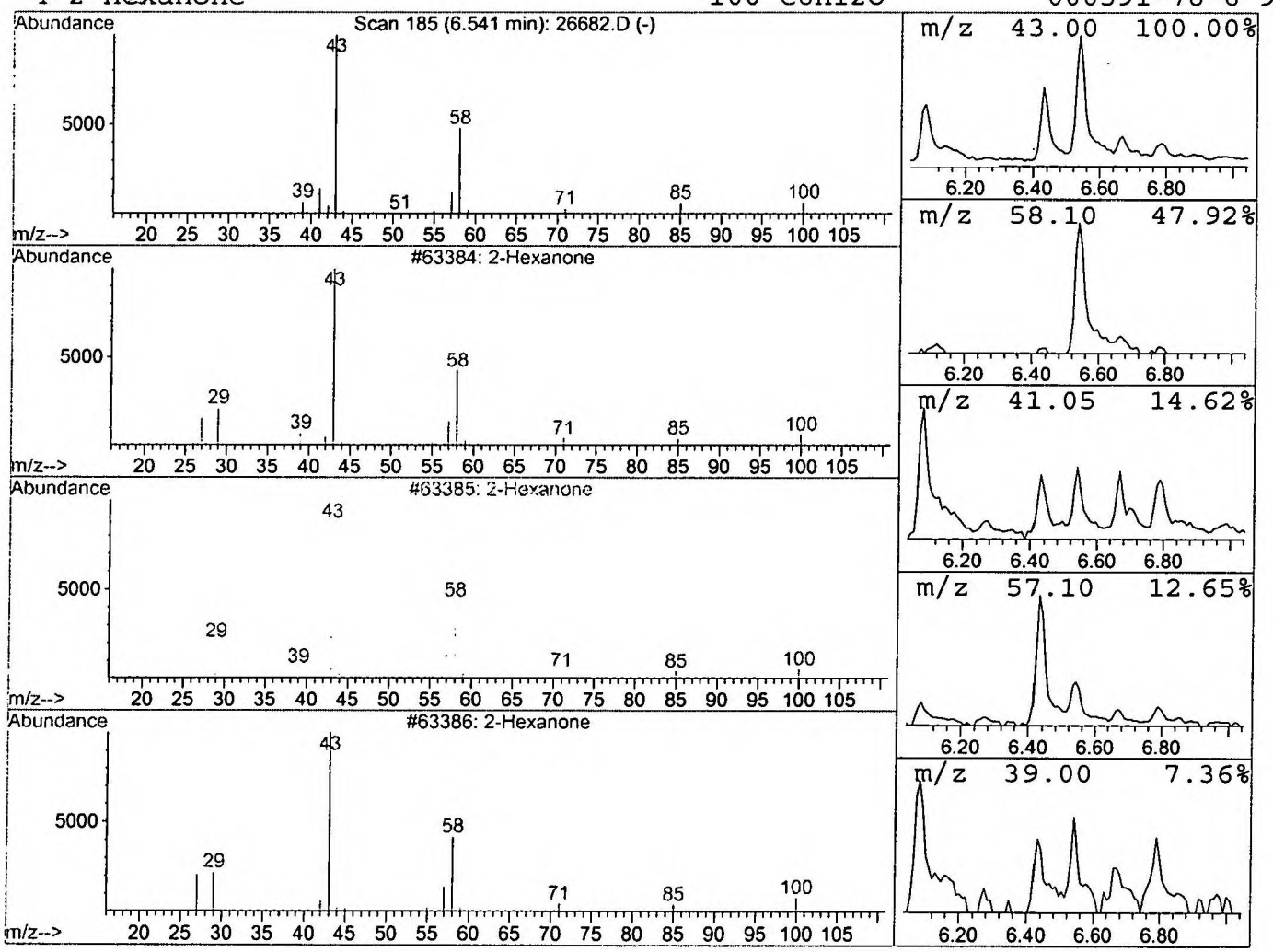
Peak Number 6 2-Hexanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	0.59 ng/uL	204138	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone	100	C6H12O	000591-78-6	91
2	2-Hexanone	100	C6H12O	000591-78-6	91
3	2-Hexanone	100	C6H12O	000591-78-6	90
4	2-Hexanone	100	C6H12O	000591-78-6	90



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Misc :
MS Integration Params: LSCINT.P

Vial: 2
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

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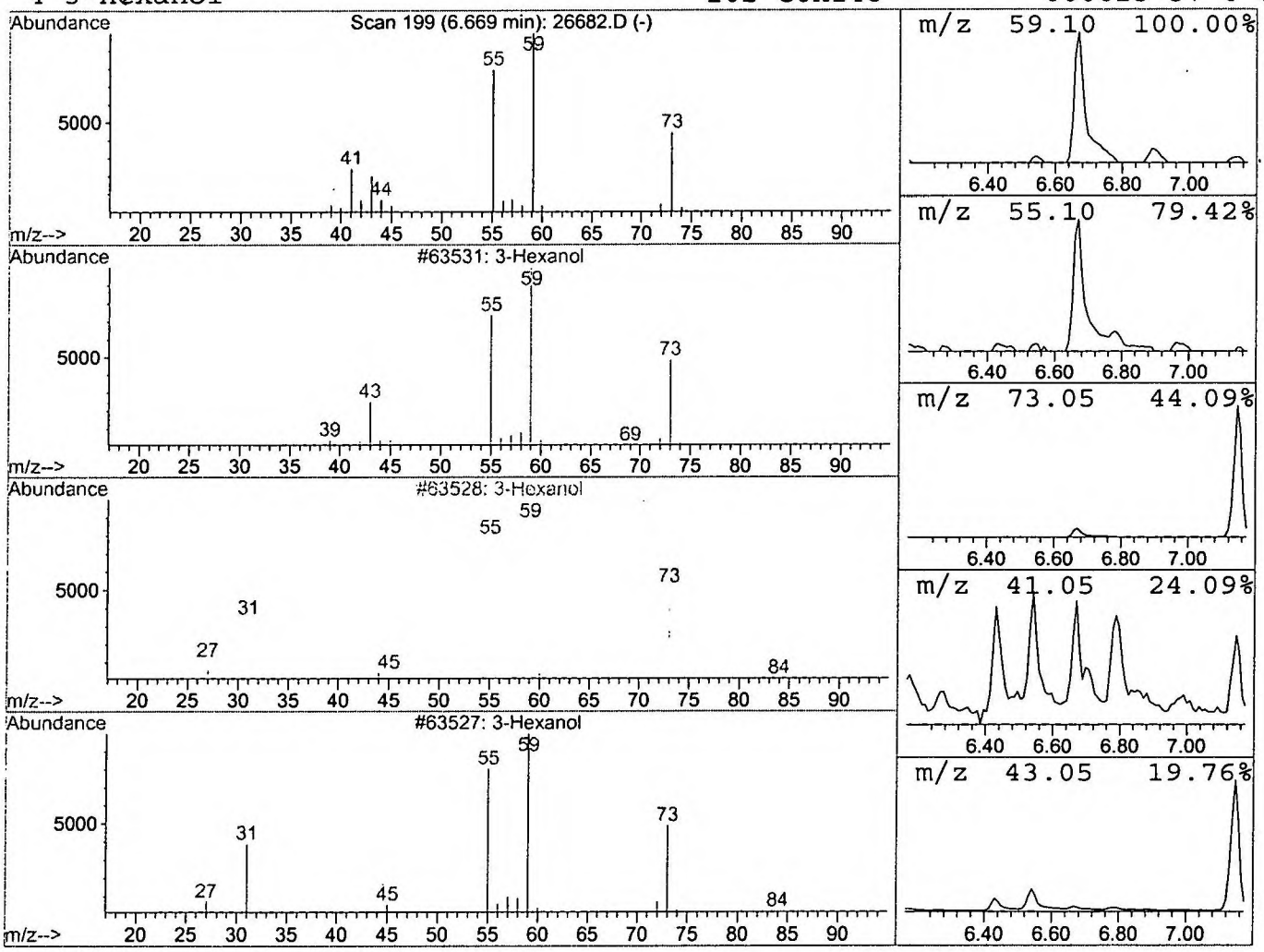
Peak Number 7 3-Hexanol — Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	0.47 ng/uL	161913	1,4-Dichlorobenzene-d4	11.86

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	74
3	3-Hexanol	102	C6H14O	000623-37-0	64
4	3-Hexanol	102	C6H14O	000623-37-0	64



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D
Acq On : 5 Dec 2001 9:41 am
Sample : gc/ms unknown 11/7
Misc :
MS Integration Params: LSCINT.P

Vial: 2
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

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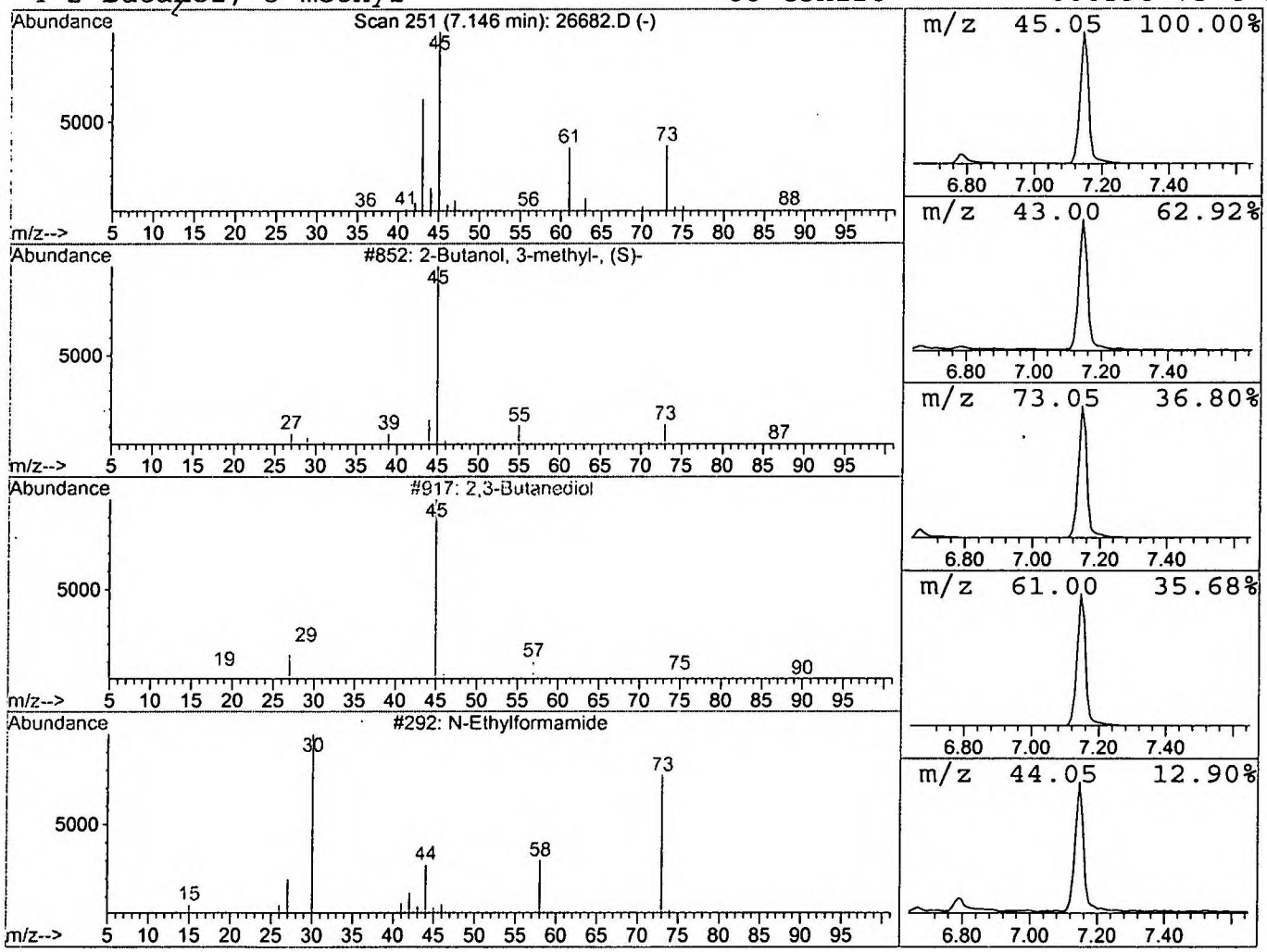
Peak Number 8 2-Butanol, 3-methyl-, (S)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	6.18 ng/uL	2130460	1,4-Dichlorobenzene-d4	11.86

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



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D Vial: 2
Acq On : 5 Dec 2001 9:41 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

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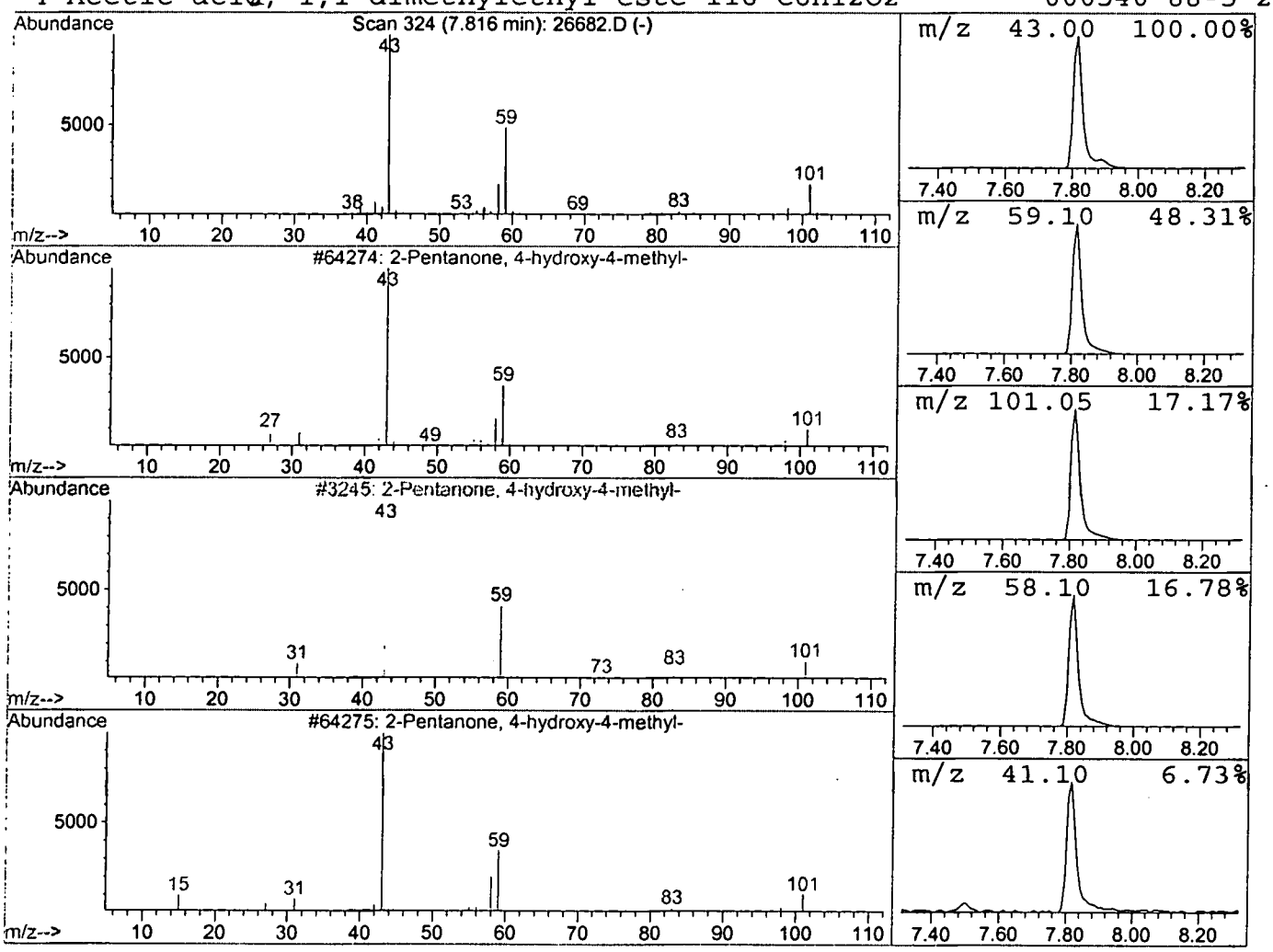
Peak Number 9 2-Pentanone, 4-hydroxy-4-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	7.68 ng/uL	2647820	1,4-Dichlorobenzene-d4	11.86

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	43
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	28



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D Vial: 2
Acq On : 5 Dec 2001 9:41 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

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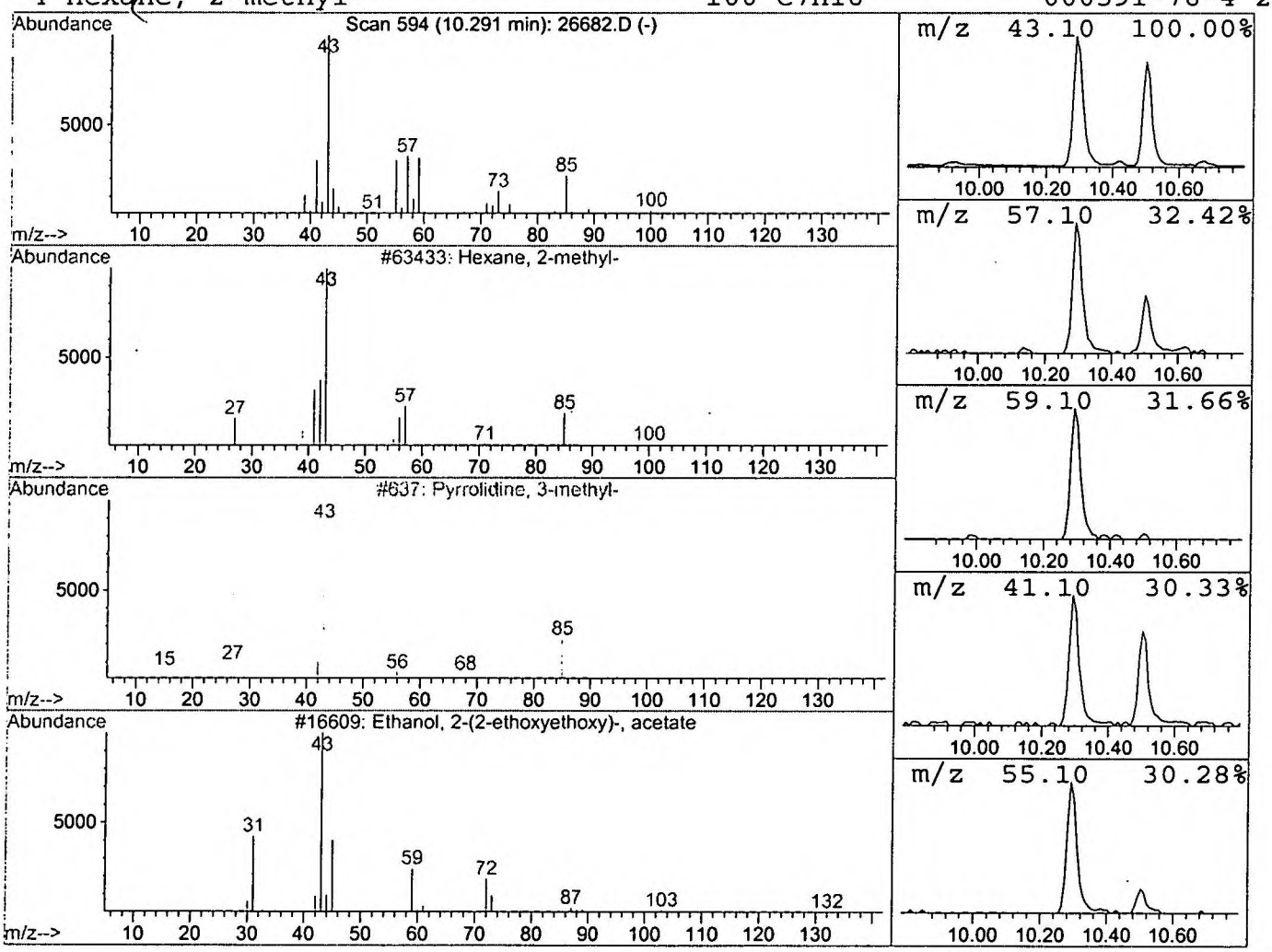
Peak Number 10 Hexane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	1.56 ng/uL	536140	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	38
2	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	35
3	Ethanol, 2-(2-ethoxyethoxy)-, aceta	176	C8H16O4	000112-15-2	33
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	25



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0501\26682.D Vial: 2
Acq On : 5 Dec 2001 9:41 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

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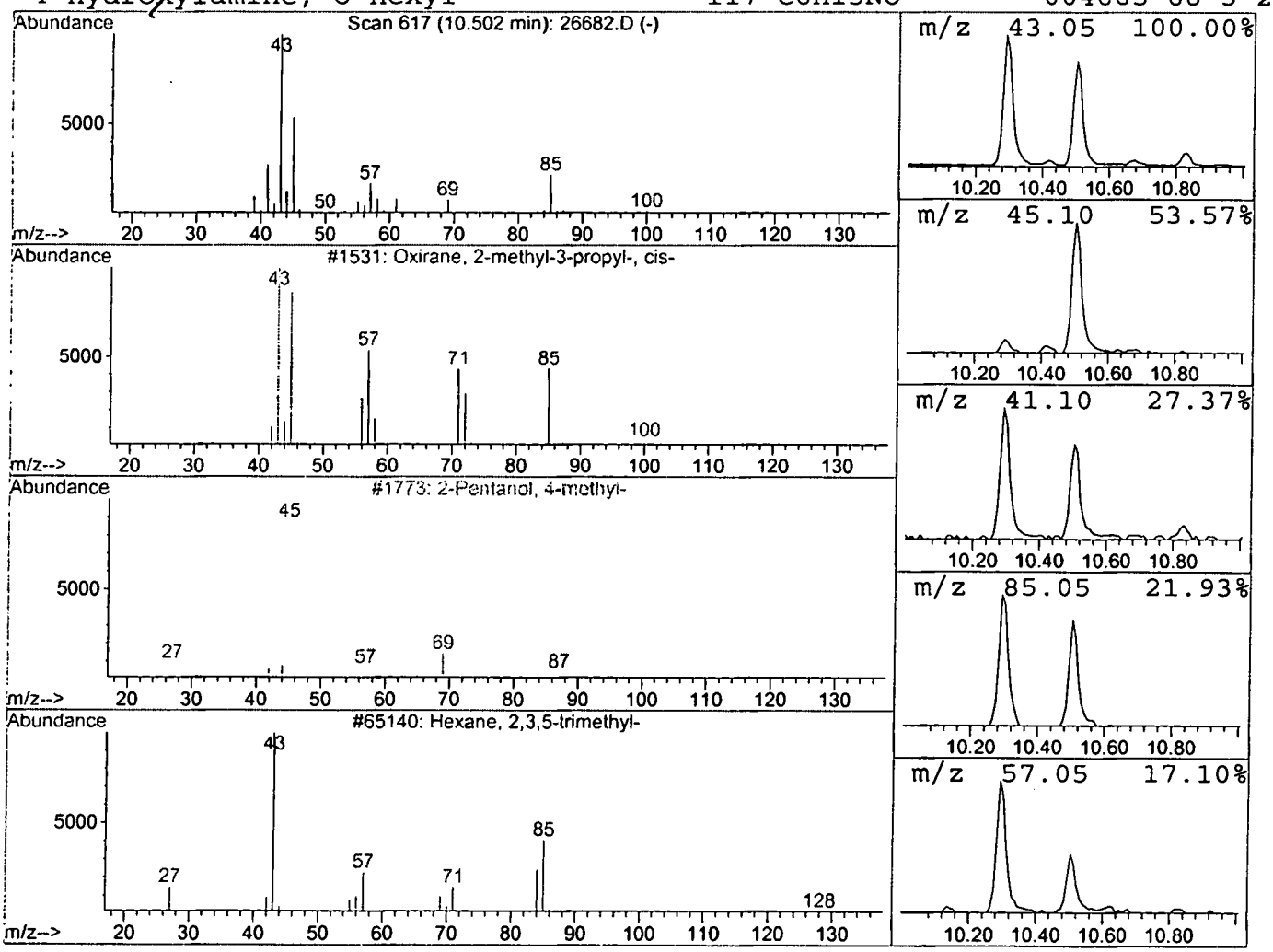
Peak Number 11 Oxirane, 2-methyl-3-propyl-, c Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	1.06 ng/uL	366386	1,4-Dichlorobenzene-d4	11.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2-methyl-3-propyl-, cis-	100	C6H12O	006124-90-9	45
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	32
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	27
4	Hydroxylamine, O-hexyl-	117	C6H15NO	004665-68-3	25



Tentatively Identified Compound (LSC) summary

Operator ID: GALOS Date Acquired: 5 Dec 2001 9:41 am
Data File: C:\HPCHEM\1\DATA\DEC0501\26682.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	4.99	2.1	ng/uL	720442	ISTD01	11.86	6892570	20.0
Cyclobutane	5.07	0.9	ng/uL	298217	ISTD01	11.86	6892570	20.0
Oxepane, 2,2,4-trime	5.14	2.2	ng/uL	742323	ISTD01	11.86	6892570	20.0
Tetrahydrofurfuryl c	6.08	0.7	ng/uL	249468	ISTD01	11.86	6892570	20.0
3-Hexanone	6.43	0.5	ng/uL	187117	ISTD01	11.86	6892570	20.0
2-Hexanone	6.54	0.6	ng/uL	204138	ISTD01	11.86	6892570	20.0
3-Hexanol	6.67	0.5	ng/uL	161913	ISTD01	11.86	6892570	20.0
2-Butanol, 3-methyl-	7.15	6.2	ng/uL	2130460	ISTD01	11.86	6892570	20.0
2-Pentanone, 4-hydro	7.82	7.7	ng/uL	2647820	ISTD01	11.86	6892570	20.0
Hexane, 2-methyl-	10.29	1.6	ng/uL	536140	ISTD01	11.86	6892570	20.0
Oxirane, 2-methyl-3-	10.50	1.1	ng/uL	366386	ISTD01	11.86	6892570	20.0

26682.D NP112701.M Fri Dec 07 13:13:32 2001

Comments for Sample AD26682 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-16-2001 Time: 11:08:29

A scan of the extract prepared for the 508 analysis, from 35-550 amu using a mass spectrometer, does not reveal the presence of non-target compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.26 ug/L.