User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/19/2002 Time: 14:30:17

Sample: AE06453
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/19/02 14:30 Ended: 4/19/02 14:30 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		129		5.0

Comments for Sample AE06453 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-19-2002 Time: 14:30:56

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recovery for 1 of the 43 compounds in the LCS Standard was low.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 9:02 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.21	152	397146	20.00	ug/l	-0.03
10) Naphthalene-d8	15.84	136	1532395	20.00	ug/l	-0.04
17) Acenaphthene-d10	21.15	164	908505	20.00	ug/l	-0.03
30) Phenanthrene-d10	25.59	188	1279457	20.00	ug/l	-0.03
39) Chrysene-d12	33.64	240	764760	20.00	ug/l	-0.04
45) Perylene-d12	37.86	264	483568	20.00	ug/l	-0.05
System Monitoring Compounds						
28) TCMX	0.00	209	0	0.00	ug/L	
Spiked Amount 10.000			Recovery = 0.00%			
38) 2,4-DDD	30.66	235	96226	6.46	ug/mL	0.16
Spiked Amount 5.000			Recovery = 129.20%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.44	74	800	N.D.		
3) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
4) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
5) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
6) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
7) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
8) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	13.41	77	1119	N.D.		
12) Isophorone	14.05	82	295	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	15.90	128	419	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	21.57	165	174	N.D.		
25) Diethylphthalate	22.62	149	1534	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
29) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		
31) N-Nitrosodiphenylamine	0.00	168	0	N.D.		
32) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 9:02 2002 Quant Results File: GCMS0412.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0412

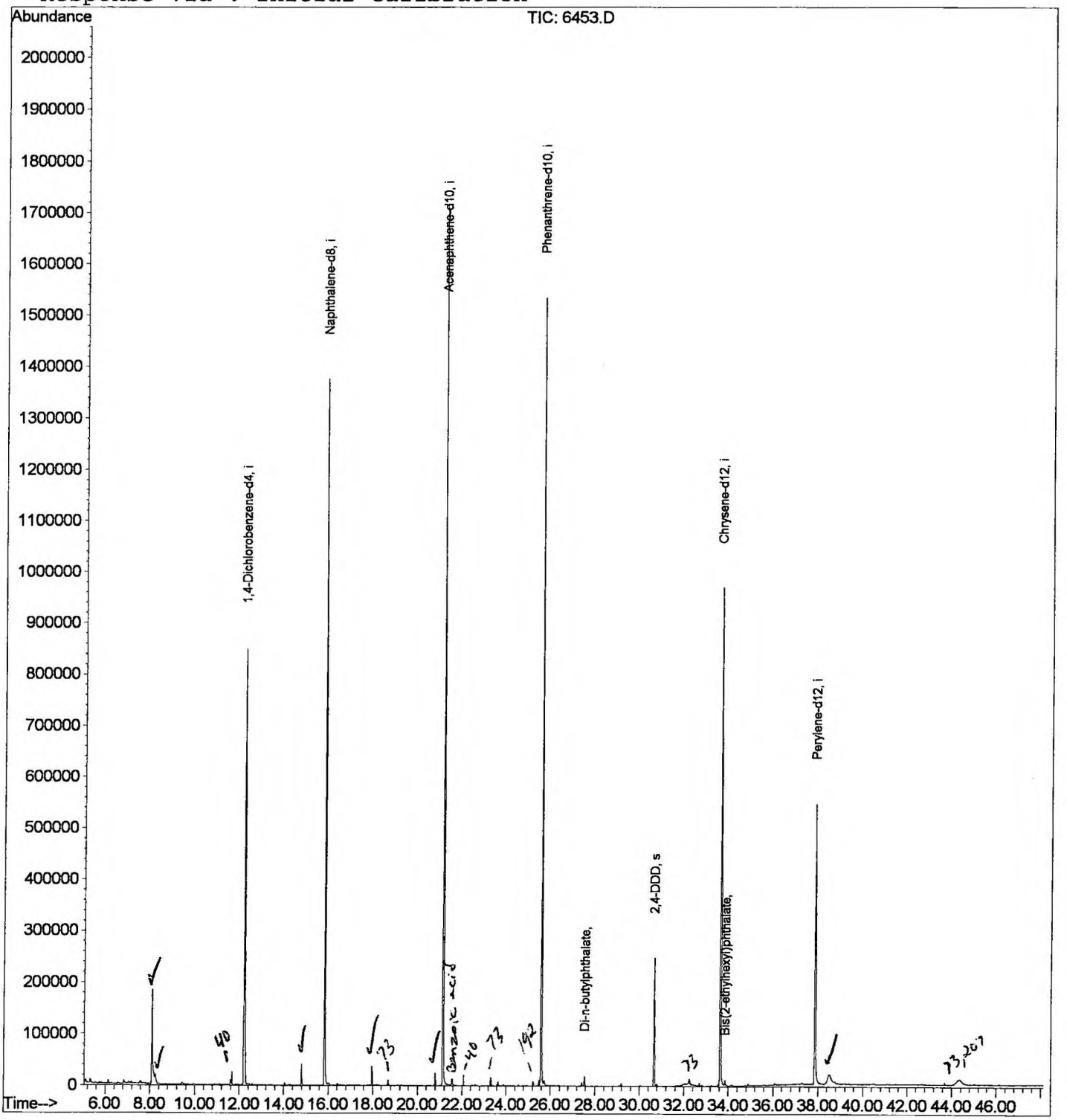
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Hexachlorobenzene	0.00	284	0	N.D.	
34) Phenanthrene	25.59	178	299	N.D.	
35) Anthracene	25.59	178	299	N.D.	
36) Di-n-butylphthalate	27.55	149	21751	0.53 ug/l	98
37) Fluoranthene	0.00	202	0	N.D.	
40) Pyrene	0.00	202	0	N.D.	
41) Butylbenzylphthalate	32.07	149	619	N.D.	
42) Benzo(a)anthracene	33.64	228	1629	N.D.	
43) Bis(2-ethylhexyl)phthalate	33.86	149	6124	0.32 ug/l	92
44) Chrysene	33.64	228	1629	N.D.	
46) Di-n-Octylphthalate	35.61	149	192	N.D.	
47) Benzo(b)fluoranthene	0.00	252	0	N.D.	
48) Benzo(k)fluoranthene	0.00	252	0	N.D.	
49) Benzo(a)pyrene	37.86	252	1898	N.D.	
50) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
51) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
52) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Apr 18 9:02 2002 Quant Results File: GCMS0412.RES

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Apr 17 11:48:30 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/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

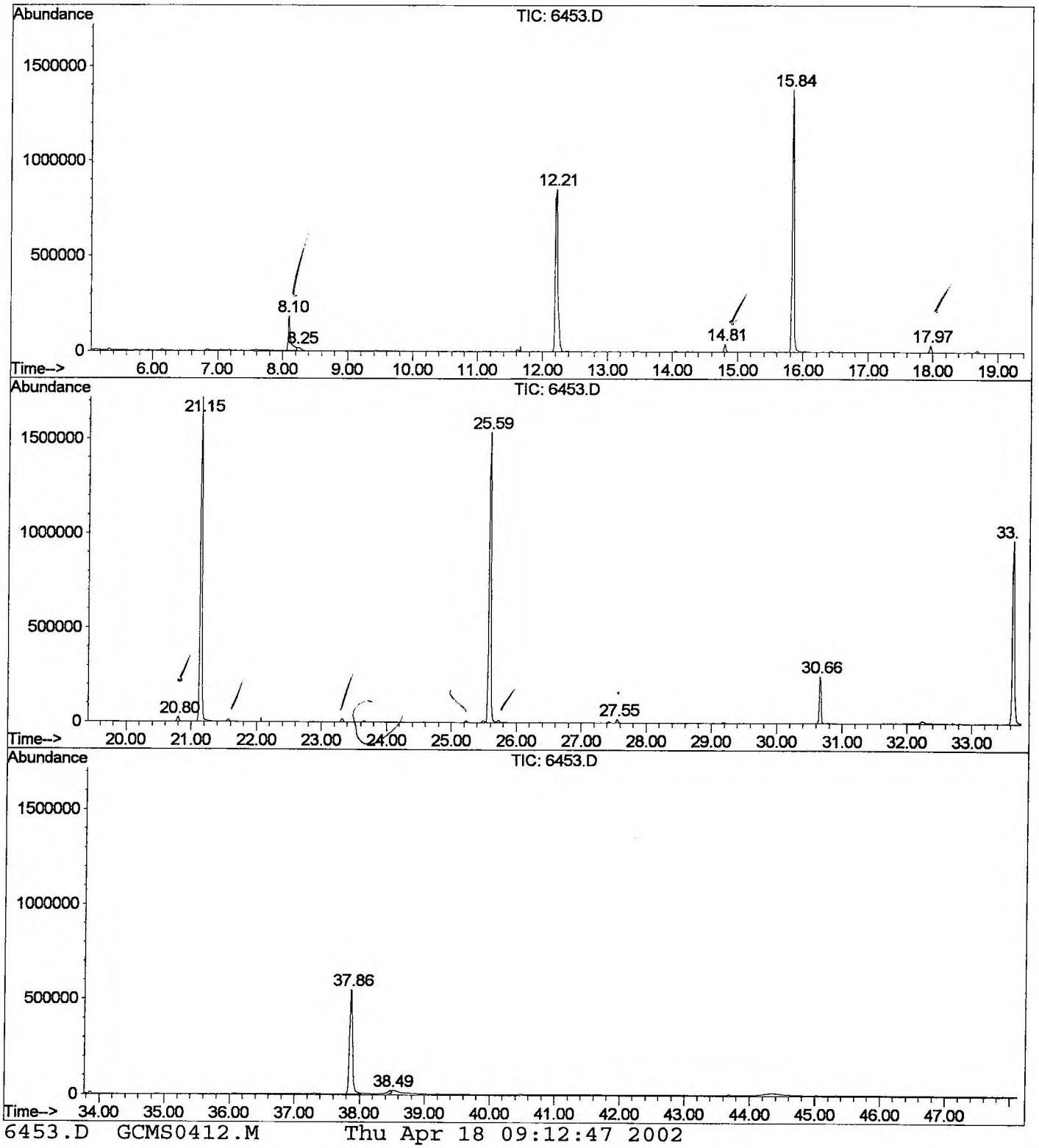
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.101	328	333	346	rBV	182259	486100	14.34%	2.911%
2	8.248	346	349	360	rVB	17983	57569	1.70%	0.345%
3	12.214	775	781	792	rVB	848519	2117107	62.43%	12.679%
4	14.812	1059	1064	1070	rBV	42333	82183	2.42%	0.492%
5	15.840	1171	1176	1191	rBV	1375800	2875391	84.80%	17.220%
6	17.970	1402	1408	1413	rVB2	37060	72979	2.15%	0.437%
7	20.798	1708	1716	1721	rBV	24274	46896	1.38%	0.281%
8	21.147	1748	1754	1767	rBV	1716760	3390943	100.00%	20.308%
9	25.590	2231	2238	2248	rBV	1534072	3160649	93.21%	18.929%
10	27.554	2446	2452	2460	rVB	19176	35526	1.05%	0.213%
11	30.657	2785	2790	2795	rBV	248356	474945	14.01%	2.844%
12	33.641	3108	3115	3129	rBV2	968799	2199163	64.85%	13.170%
13	37.864	3567	3575	3593	rBV2	545105	1636900	48.27%	9.803%
14	38.488	3631	3643	3644	rBV3	16221	61428	1.81%	0.368%

Sum of corrected areas: 16697779

6453.D GCMS0412.M Thu Apr 18 09:12:47 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR1702\6453.D
Operator :
Acquired : 17 Apr 2002 6:00 pm using AcqMethod GCMS0412
Instrument : 209
Sample Name: gc/ms scan 3/19
Misc Info :
Vial Number: 11
Quant File :GCMS0412.RES (RTE Integrator)



6453.D GCMS0412.M Thu Apr 18 09:12:47 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

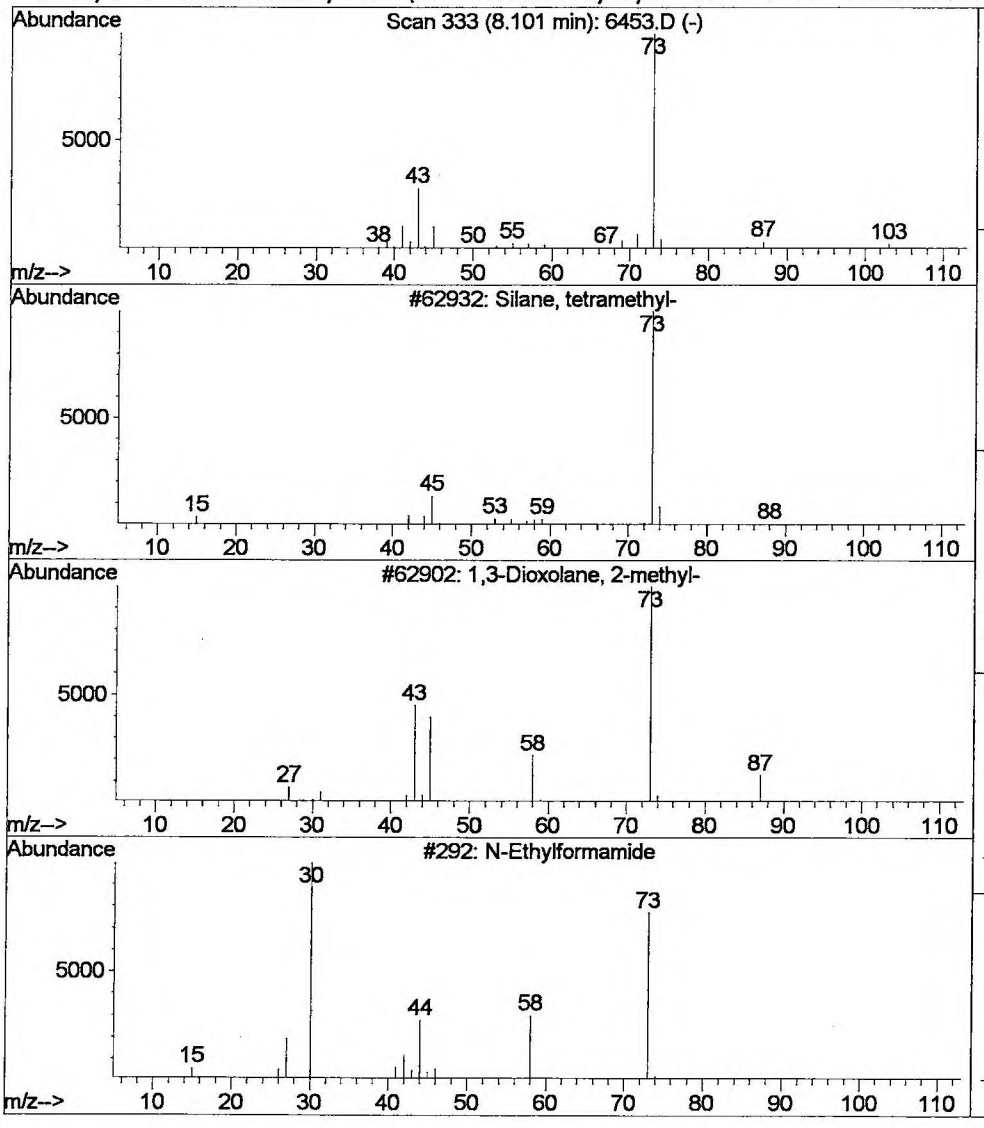
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

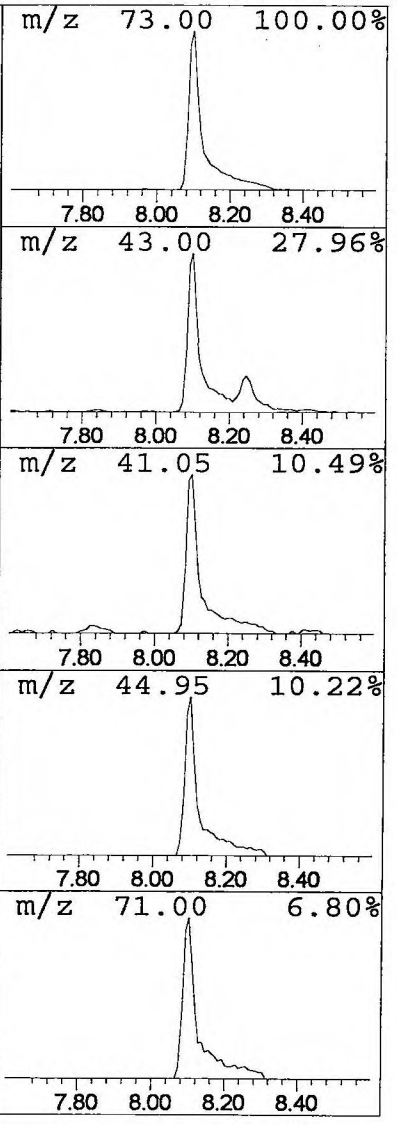
****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	4.59 ug/l	486100	1,4-Dichlorobenzene-d4	12.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

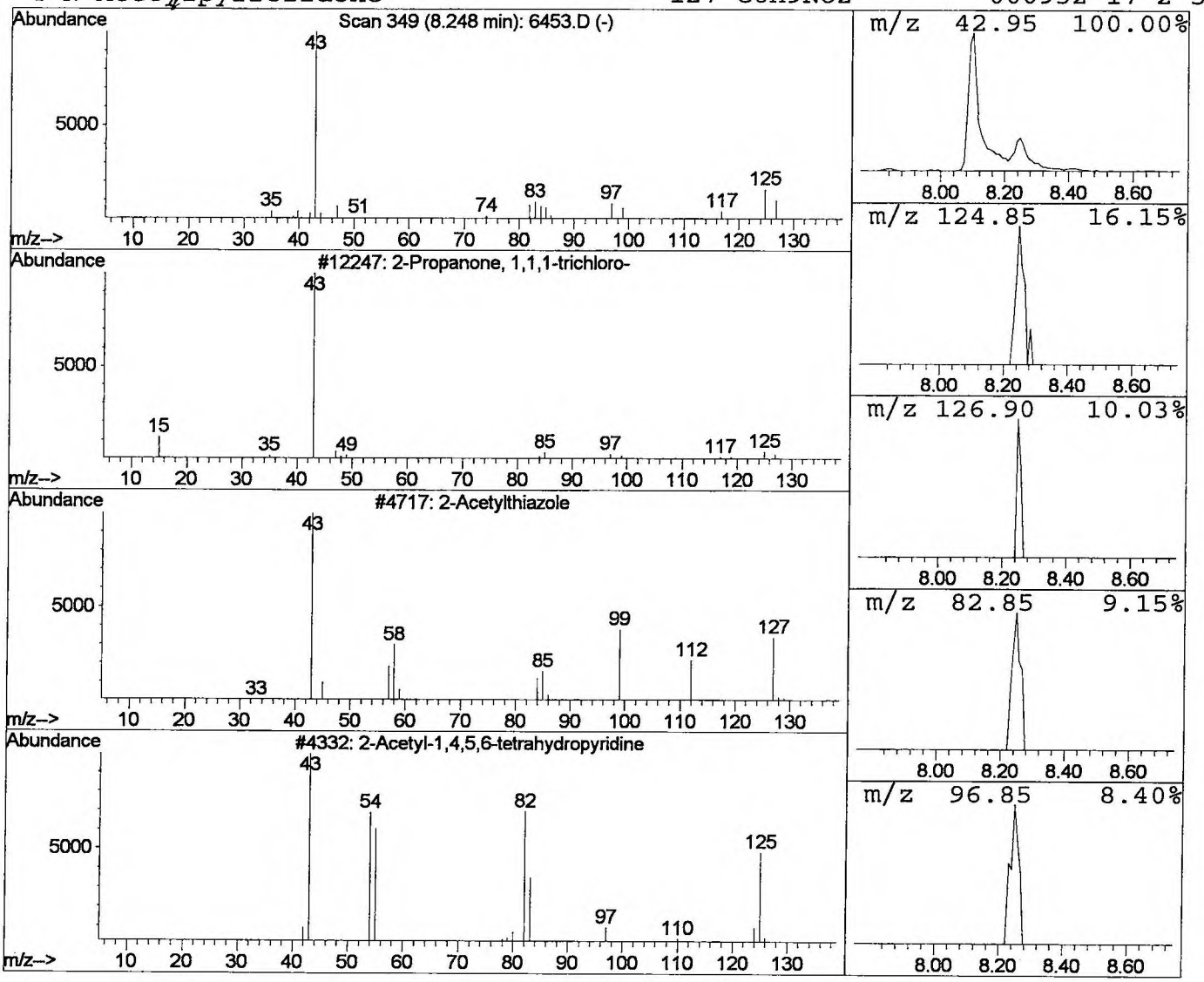
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.25	0.54 ug/l	57569	1,4-Dichlorobenzene-d4	12.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	9
2	2-Acetylthiazole	127	C5H5NOS	024295-03-2	7
3	2-Acetyl-1,4,5,6-tetrahydropyridine	125	C7H11NO	000000-00-0	5
4	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

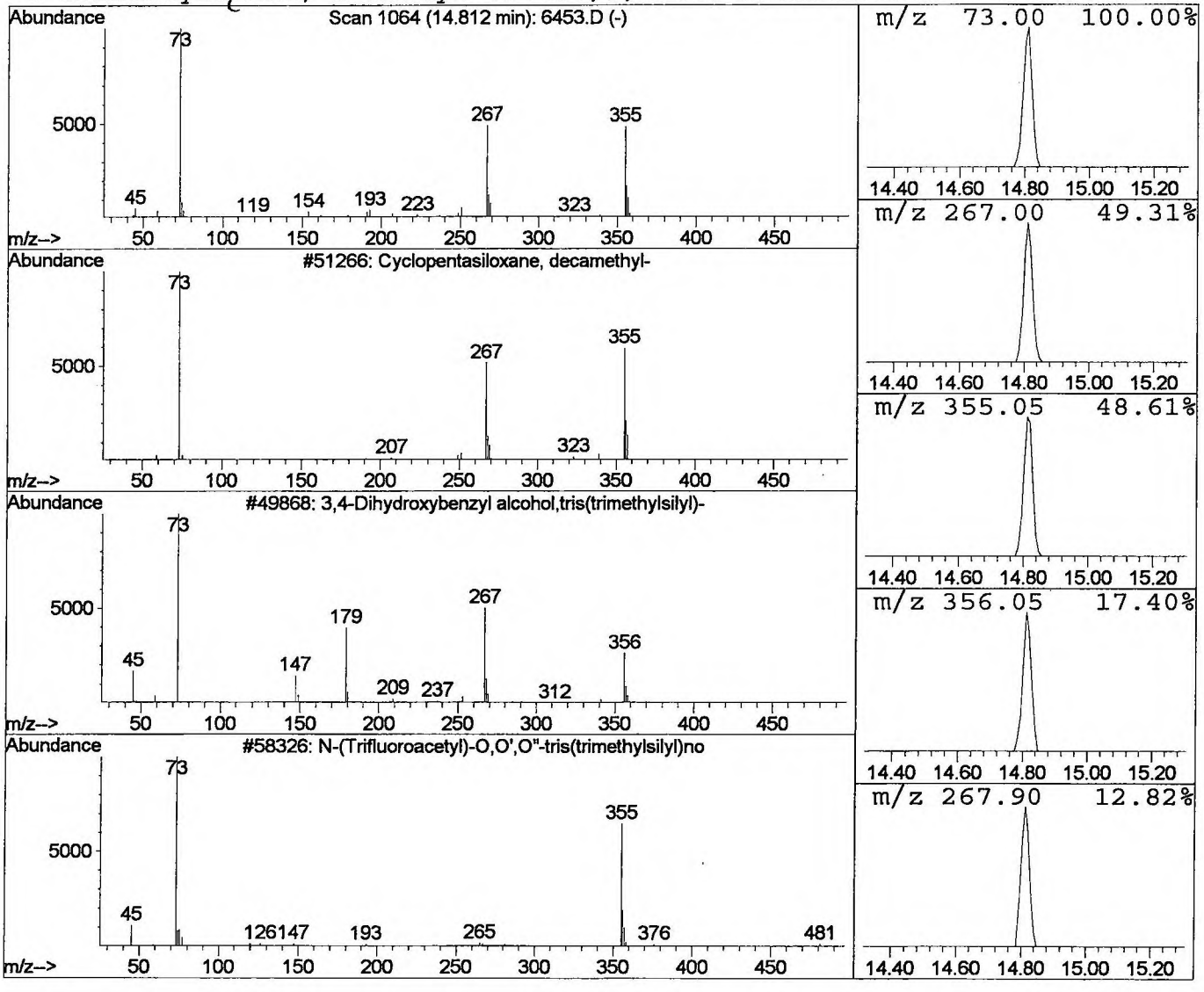
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclopentasiloxane, decamethyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	0.57 ug/l	82183	Naphthalene-d8	15.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	58
2	3,4-Dihydroxybenzyl alcohol,tris(tr	356	C16H32O3Si3	068595-79-9	53
3	N-(Trifluoroacetyl)-O,O',O''-tris(t	481	C19H34F3NO4Si3	000000-00-0	38
4	Phenethylamine, N-methyl-.beta.,3,4	399	C18H37NO3Si3	010538-85-9	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

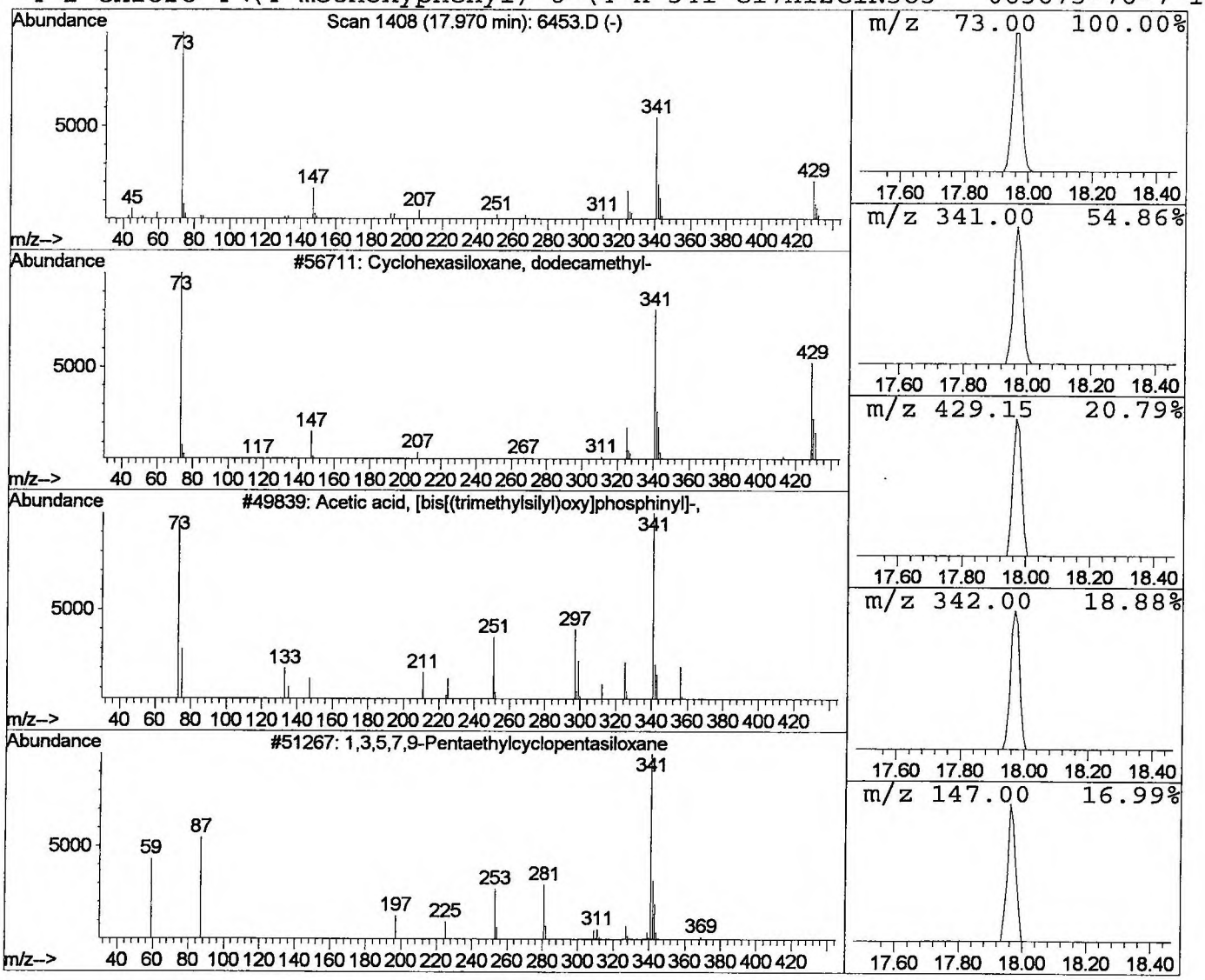
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Cyclohexasiloxane, dodecamethy Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	0.51 ug/l	72979	Naphthalene-d8	15.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexasiloxane, dodecamethyl-	444	C12H36O6Si6	000540-97-6	45
2	Acetic acid, [bis[(trimethylsilyl)o	356	C11H29O5PSi3	053044-27-2	38
3	1,3,5,7,9-Pentaethylcyclopentasilox	370	C10H30O5Si5	017995-44-7	32
4	2-Chloro-4-[(4-methoxyphenyl)-6-(4-n	341	C17H12ClN3O3	063673-76-7	16



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

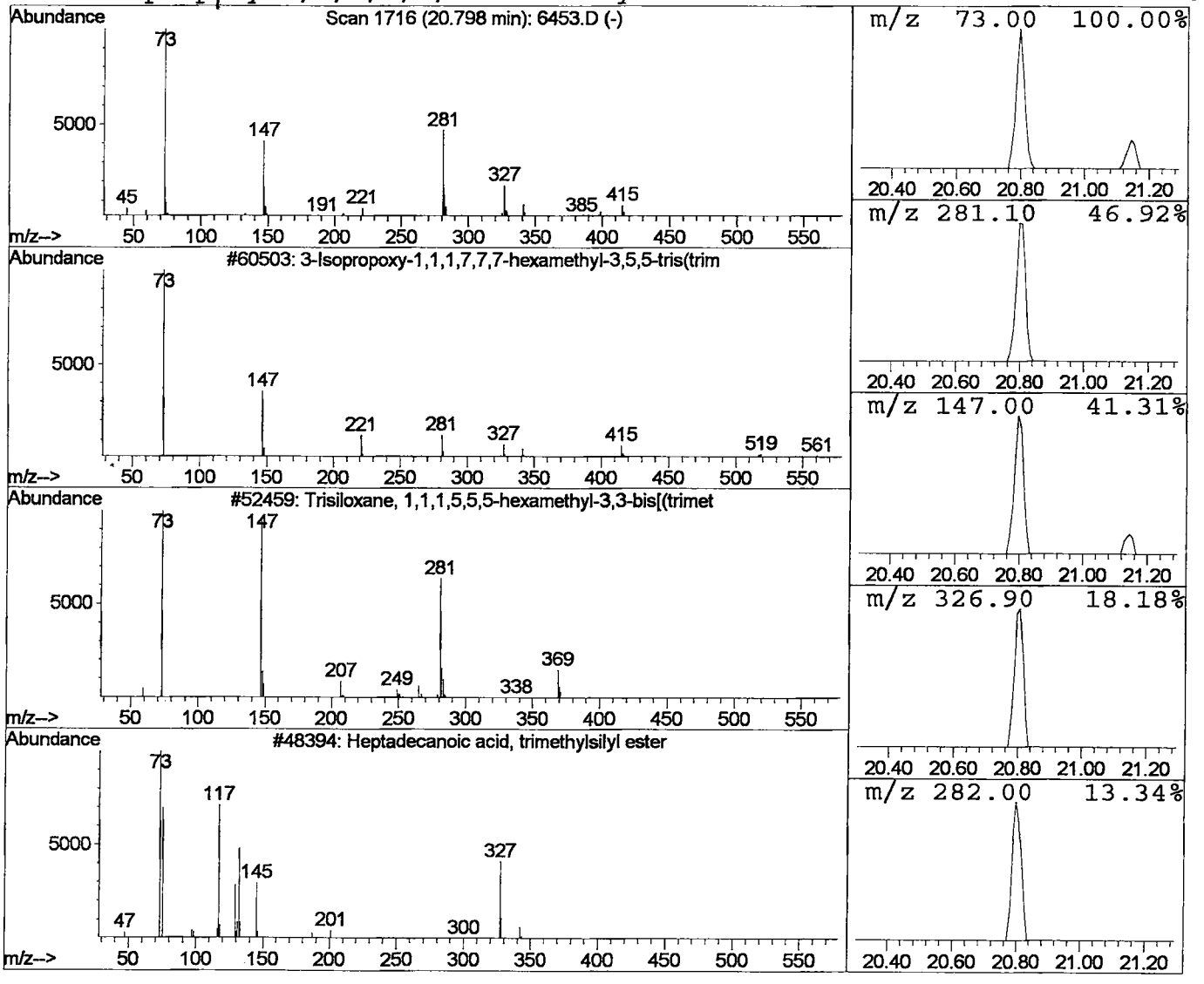
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	0.28 ug/l	46896	Acenaphthene-d10	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	53
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	Heptadecanoic acid, trimethylsilyl	342	C20H42O2Si	055517-58-3	9
4	3-Isopropoxy-1,1,1,5,5,5-hexamethyl	354	C12H34O4Si4	072182-11-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR1702\6453.D Vial: 11
Acq On : 17 Apr 2002 6:00 pm Operator:
Sample : gc/ms scan 3/19 Inst : 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

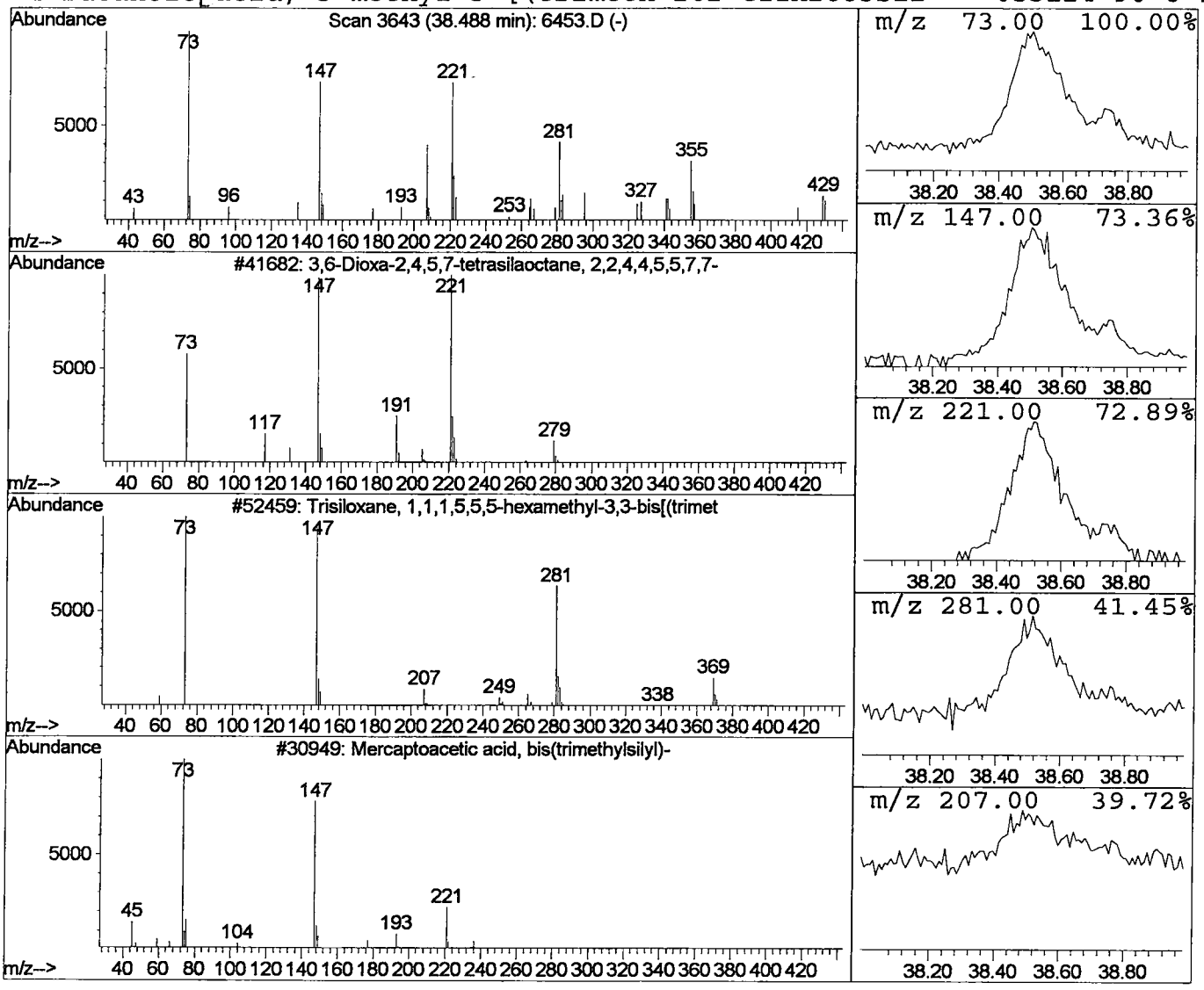
Quant Method : C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 6 3,6-Dioxa-2,4,5,7-tetrasilaoct Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.49	0.75 ug/l	61428	Perylene-d12	37.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	35
2	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
3	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	12
4	Butanoic acid, 3-methyl-3-[(trimeth	262	C11H26O3Si2	055124-90-8	10



Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 17 Apr 2002 6:00 pm
Data File: C:\HPCHEM\1\DATA\APR1702\6453.D
Name: gc/ms scan 3/19
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0412.M (RTE Integrator)
Title: 209 625/TCLP calibration table
Library Searched: C:\DATABASE\NBS75K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Silane, tetramethyl-	8.10	4.6	ug/l	486100	ISTD01	12.21	2117110	20.0
2-Propanone, 1,1,1-t	8.25	0.5	ug/l	57569	ISTD01	12.21	2117110	20.0
Cyclopentasiloxane,	14.81	0.6	ug/l	82183	ISTD02	15.84	2875390	20.0
Cyclohexasiloxane, d	17.97	0.5	ug/l	72979	ISTD02	15.84	2875390	20.0
3-Isopropoxy-1,1,1,7	20.80	0.3	ug/l	46896	ISTD03	21.15	3390940	20.0
3,6-Dioxa-2,4,5,7-te	38.49	0.8	ug/l	61428	ISTD06	37.86	1636900	20.0

6453.D GCMS0412.M Thu Apr 18 09:12:54 2002