User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/30/2001 Time: 11:52:12

Sample: AD28427
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/21/01 10:33 Ended: 11/26/01 10:33 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD28427 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-03-2001 Time: 12:37:21

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
However, di-n-butylphthalate is present at an estimated level of 0.28 ug/L. The recovery for the Surrogate Standard in this sample was 68%. Recoveries for 41 of the 44 compounds in the LSC Standard were outside of EPA 625 acceptance ranges, soon however, GCMS method acceptance ranges will be established and used instead.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D Vial: 27
Acq On : 29 Nov 2001 1:35 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:34 2001 Quant Results File: GCMS1126.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.70	152	876357	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3306873	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1565437	20.00	ug/l	0.00
42) Phenanthrene-d10	24.99	188	2065409	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	976044	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	603166	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	83618	3.40	ug/mL	0.00
Spiked Amount 5.000			Recovery = 68.00%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	0.00	74	0	N.D.		
4) Phenol	0.00	94	0	N.D.		
5) bis(2-Chloroethyl)ether	0.00	93	0	N.D.		
6) 2-Chlorophenol	0.00	128	0	N.D.		
7) 1,3-Dichlorobenzene	0.00	146	0	N.D.		
8) 1,4-Dichlorobenzene	0.00	146	0	N.D.		
9) 1,2-Dichlorobenzene	0.00	146	0	N.D.		
10) 2-Methylphenol	0.00	108	0	N.D.		
11) 2,2'-oxybis(1-Chloropropan	0.00	45	0	N.D.		
12) 3&4-Methylphenol	0.00	108	0	N.D.		
13) N-Nitroso-di-n-propylamine	0.00	70	0	N.D.		
14) Hexachloroethane	0.00	117	0	N.D.		
16) Nitrobenzene	0.00	77	0	N.D.		
17) Isophorone	0.00	82	0	N.D.		
18) 2-Nitrophenol	0.00	139	0	N.D.		
19) 2,4-Dimethylphenol	0.00	107	0	N.D.		
20) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
21) 2,4-Dichlorophenol	0.00	162	0	N.D.		
22) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
23) Naphthalene	15.36	128	213	N.D.		
24) Hexachlorobutadiene	0.00	225	0	N.D.		
25) 4-Chloro-3-methylphenol	0.00	107	0	N.D.		
27) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
28) 2,4,6-Trichlorophenol	0.00	196	0	N.D.		
29) 2,4,5-Trichlorophenol	0.00	196	0	N.D.		
30) 2-Chloronaphthalene	0.00	162	0	N.D.		
31) Dimethylphthalate	0.00	163	0	N.D.		
32) 2,6-Dinitrotoluene	0.00	165	0	N.D.	d	

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

Quantitation Report (QT Reviewed)

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DataAcq Meth : GCMS1126

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33) Acenaphthylene	0.00	152	0	N.D.	
34) Acenaphthene	0.00	153	0	N.D.	
35) 2,4-Dinitrophenol	0.00	184	0	N.D.	
36) 4-Nitrophenol	21.12	65	214	N.D.	
37) 2,4-Dinitrotoluene	21.06	165	180	N.D.	
38) Diethylphthalate	22.09	149	403	N.D.	
39) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.	
40) Fluorene	0.00	166	0	N.D.	
41) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.	
43) 4,6-Dinitro-2-methylphenol	0.00	198	0	N.D.	
44) N-Nitrosodiphenylamine	0.00	168	0	N.D.	
45) 4-Bromophenyl-phenylether	0.00	248	0	N.D.	
46) Hexachlorobenzene	0.00	284	0	N.D.	
47) Pentachlorophenol	0.00	266	0	N.D.	
48) Phenanthrene	25.00	178	851	N.D.	
49) Anthracene	25.00	178	851	N.D.	
50) Di-n-butylphthalate	27.00	149	41241	0.28 ug/l #	97
51) Fluoranthene	0.00	202	0	N.D.	
54) Pyrene	0.00	202	0	N.D.	
55) Butylbenzylphthalate	31.54	149	189	N.D.	
56) Benzo(a)anthracene	33.02	228	3105	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.30	149	3279	N.D.	
58) Chrysene	33.10	228	522	N.D.	
60) Di-n-Octylphthalate	35.03	149	679	N.D.	
61) Benzo(b)fluoranthene	36.08	252	481	N.D.	
62) Benzo(k)fluoranthene	36.13	252	1115	N.D.	
63) Benzo(a)pyrene	36.94	252	541	N.D.	
64) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
65) Dibenz(a,h)anthracene	0.00	278	0	N.D.	
66) Benzo(g,h,i)perylene	41.95	276	275	N.D.	

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

Quantitation Report

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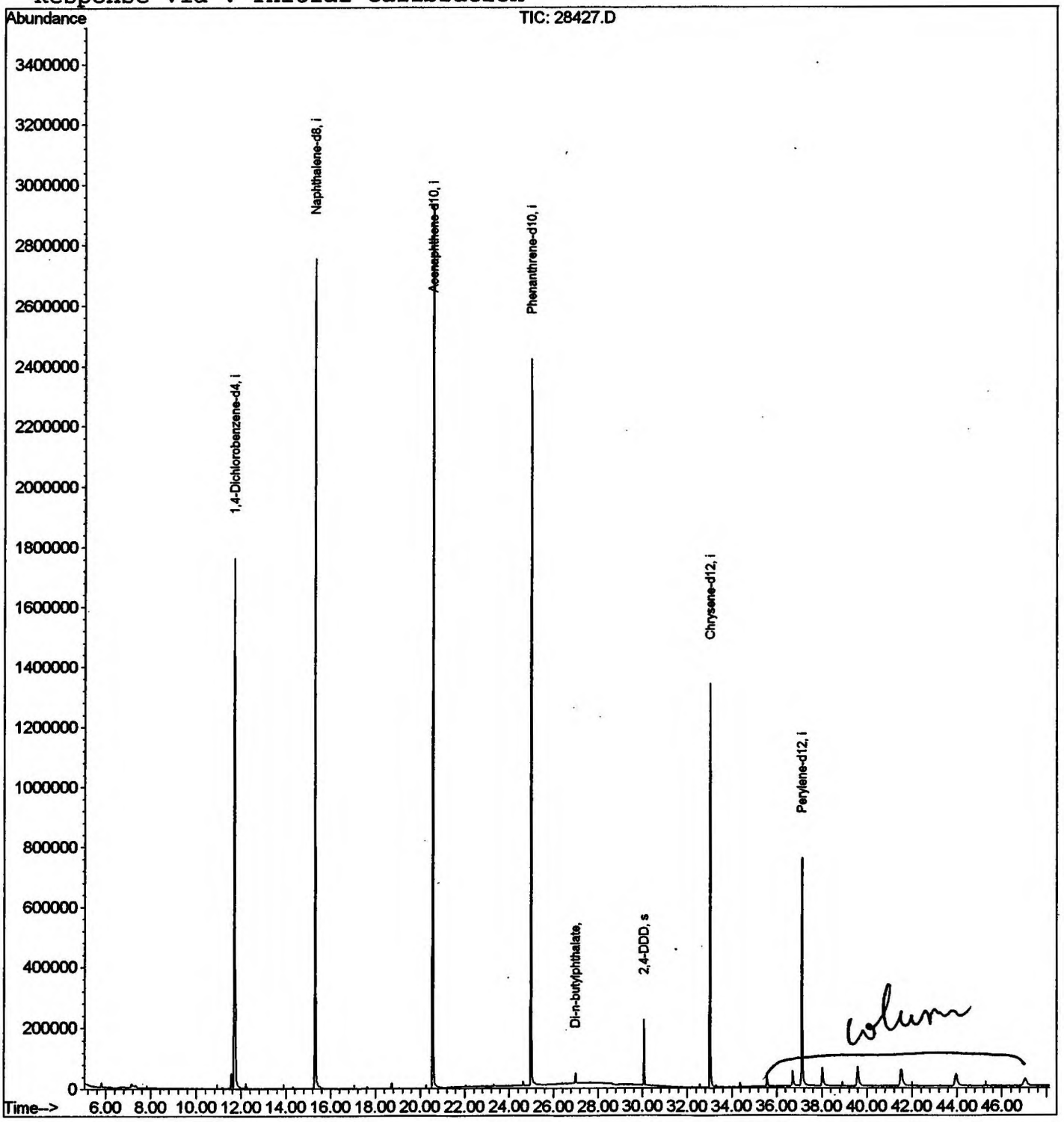
Acq On : 29 Nov 2001 1:35 pm
Sample : 11/21 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:34 2001

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00
Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D Vial: 27
Acq On : 29 Nov 2001 1:35 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS1126.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

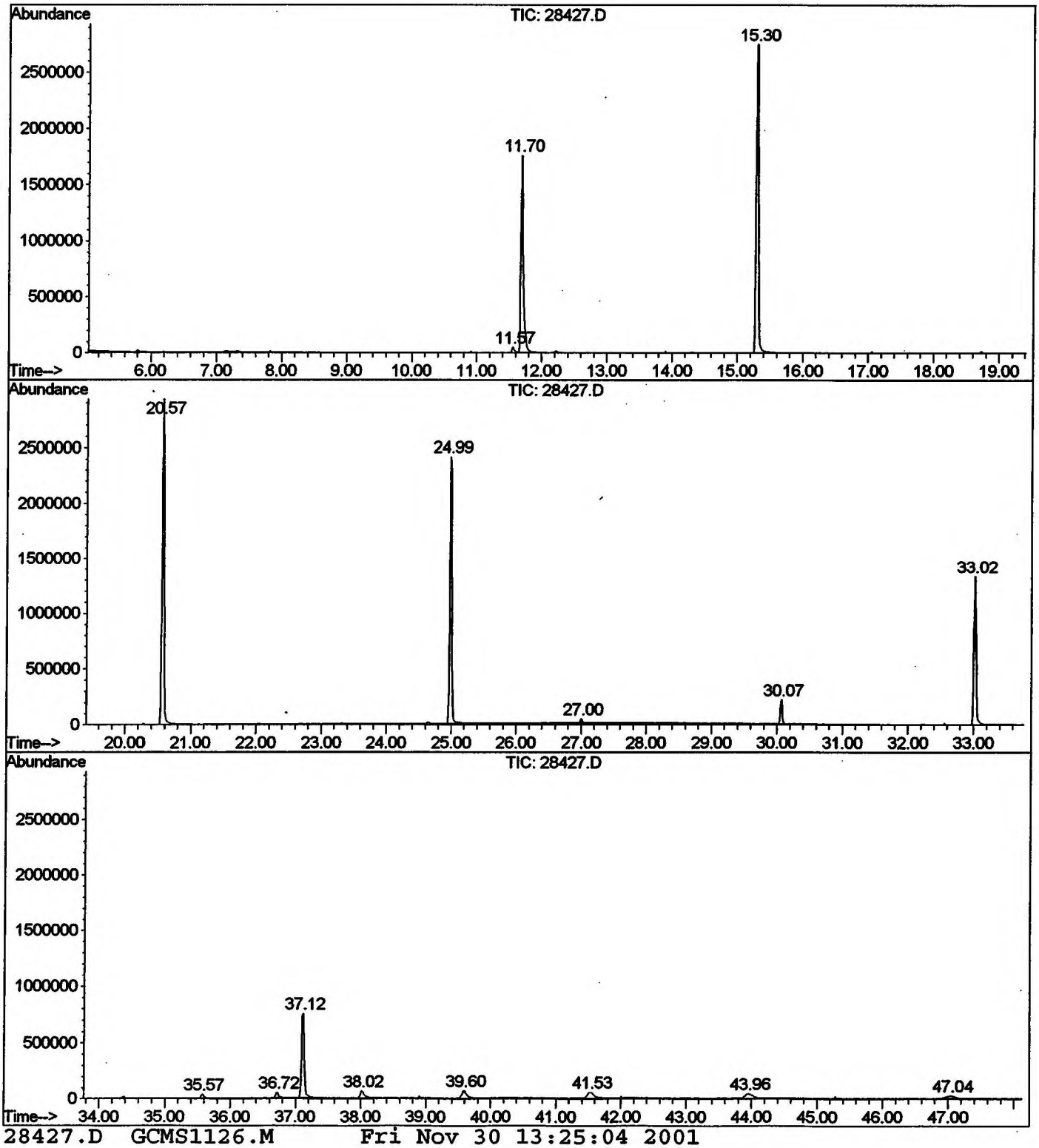
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	11.568	706	711	720	rBV	47251	117029	1.88%	0.394%
2	11.697	720	725	746	rVV	1758300	4560593	73.33%	15.367%
3	15.305	1112	1118	1136	rBV	2752872	6062390	97.47%	20.427%
4	20.574	1686	1692	1710	rBV	2933754	6219614	100.00%	20.957%
5	24.990	2167	2173	2187	rBV2	2411444	5293770	85.11%	17.837%
6	27.000	2388	2392	2399	rVB	32926	68434	1.10%	0.231%
7	30.066	2721	2726	2732	rBV	215662	438618	7.05%	1.478%
8	33.022	3041	3048	3060	rBV2	1337232	3077563	49.48%	10.370%
9	35.575	3320	3326	3330	rBV2	33176	86501	1.39%	0.291%
10	36.722	3445	3451	3462	rBV2	47522	147605	2.37%	0.497%
11	37.117	3487	3494	3512	rBV2	751116	2166195	34.83%	7.299%
12	38.017	3585	3592	3603	rBV2	60198	245001	3.94%	0.826%
13	39.596	3754	3764	3783	rBV2	64240	338938	5.45%	1.142%
14	41.533	3964	3975	3991	rBV4	53108	359223	5.78%	1.210%
15	43.956	4226	4239	4261	rBV4	39302	307468	4.94%	1.036%
16	47.041	4560	4575	4591	rBV7	22466	188855	3.04%	0.636%

Sum of corrected areas: 29677797

28427.D GCMS1126.M Fri Nov 30 13:25:02 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28427.D
Operator : 209 GALOS
Acquired : 29 Nov 2001 1:35 pm using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/21 scan
Misc Info :
Vial Number: 27
Quant File :GCMS1126.RES (RTE Integrator)



28427.D GCMS1126.M Fri Nov 30 13:25:04 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D
Acq On : 29 Nov 2001 1:35 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

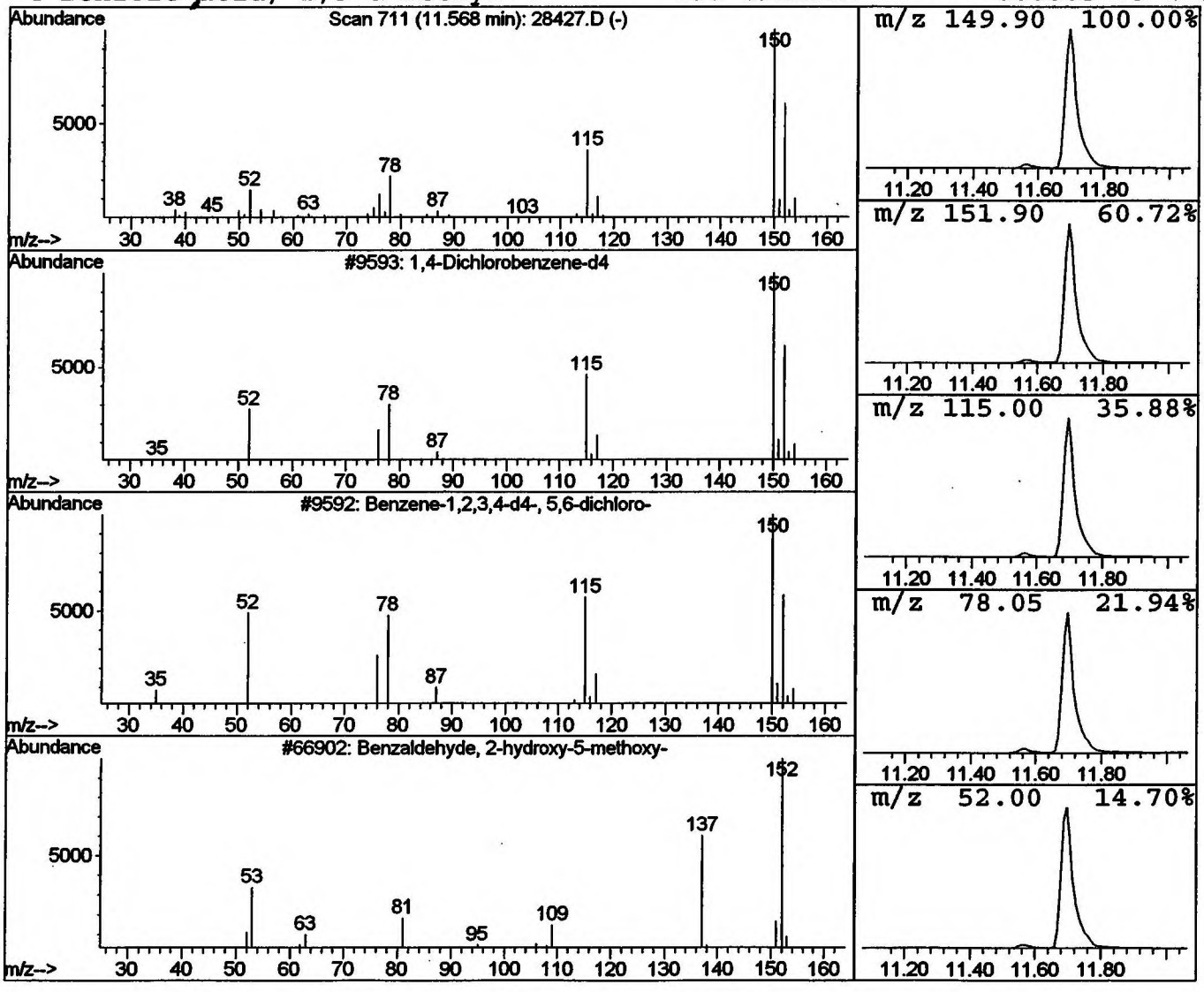
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,4-Dichlorobenzene-d4 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.51 ug/l	117029	1,4-Dichlorobenzene-d4	11.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	53
2	Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	40
3	Benzaldehyde, 2-hydroxy-5-methoxy-	152	C8H8O3	000672-13-9	9
4	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D
Acq On : 29 Nov 2001 1:35 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

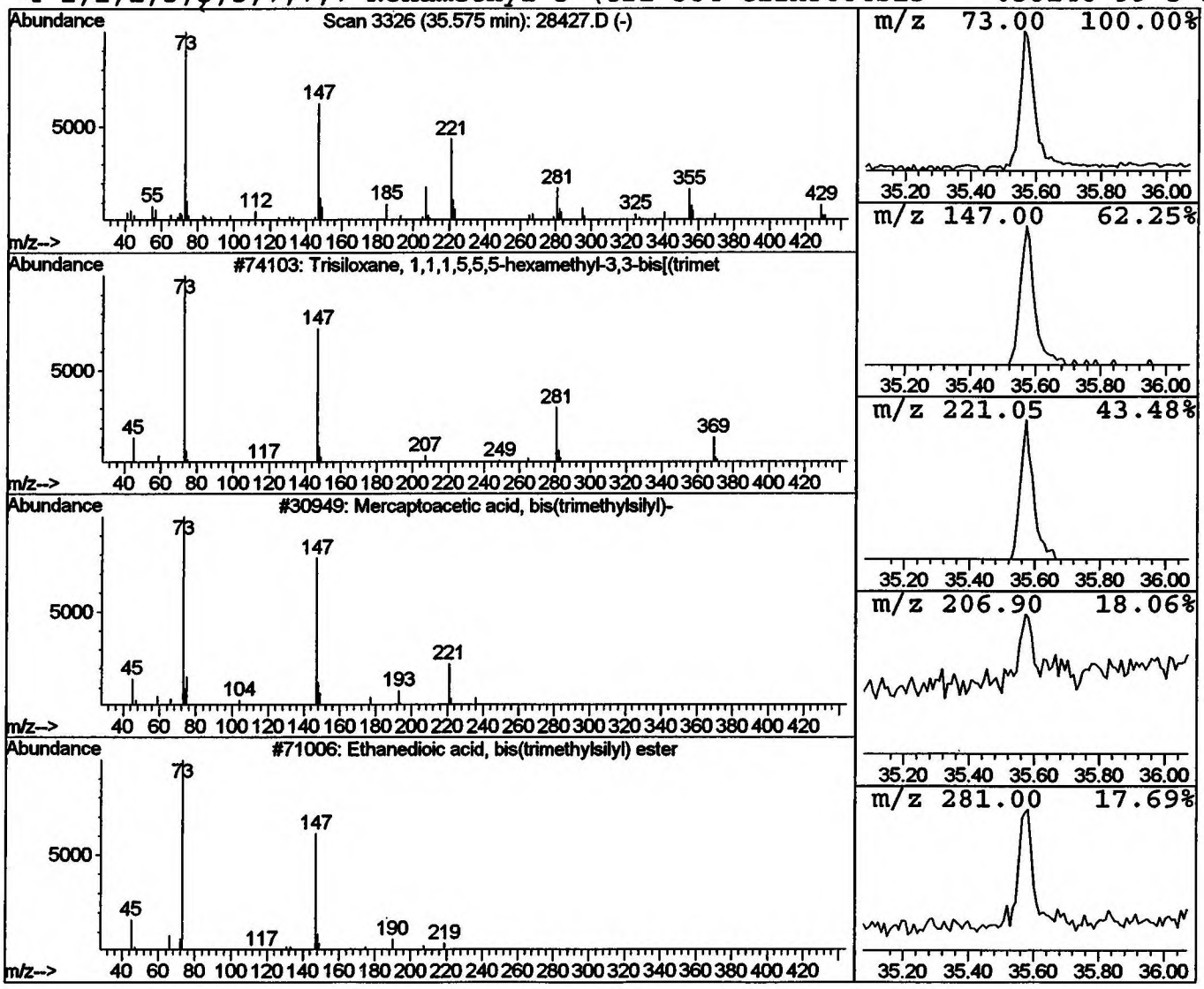
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.57	0.80 ug/l	86501	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	27
2	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	23
3	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	16
4	1,1,1,3,5,5,7,7,7-Nonamethyl-3-(tri	384	C12H36O4Si5	038146-99-5	16



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D
Acq On : 29 Nov 2001 1:35 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

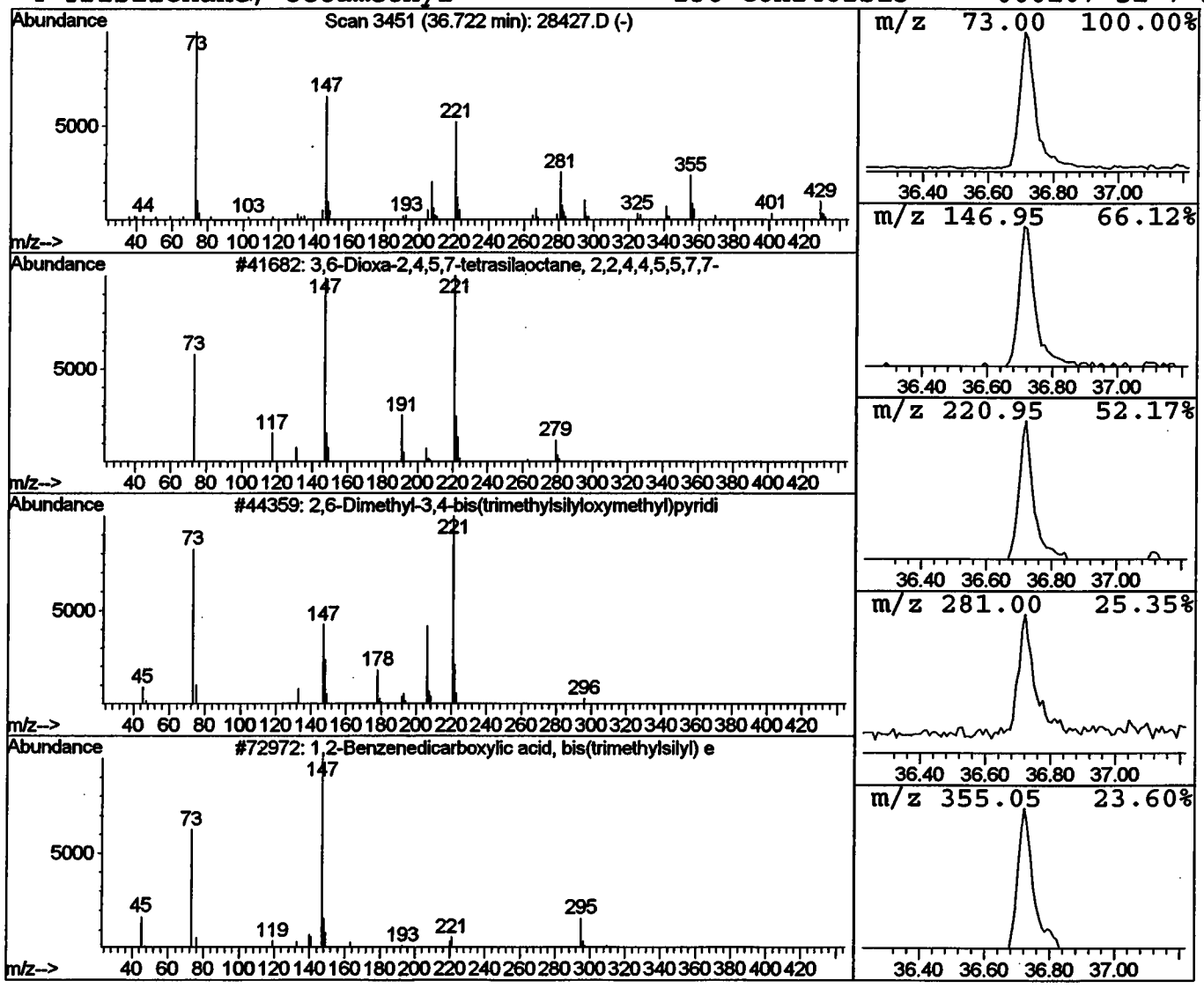
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
36.72	1.36 ug/l	147605	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
2	2,6-Dimethyl-3,4-bis(trimethylsilyl	311	C15H29NO2Si2	000000-00-0	12
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	10
4	Trisiloxane, octamethyl-	236	C8H24O2Si3	000107-51-7	10



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Acq On : 29 Nov 2001 1:35 pm Operator: 209 GALOS
Sample : 11/21 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

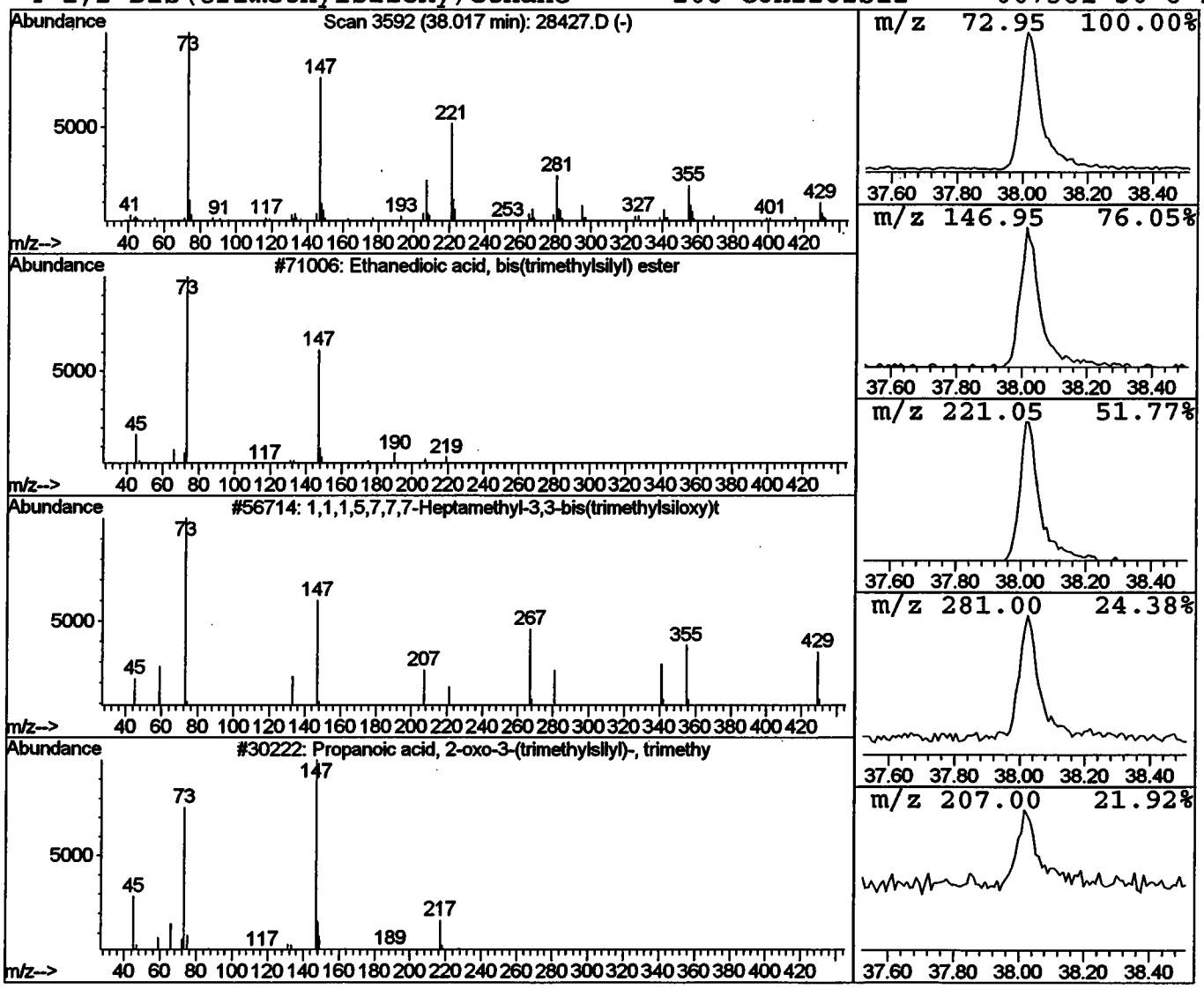
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Ethanedioic acid, bis(trimethy Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.02	2.26 ug/l	245001	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	35
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	32
3	Propanoic acid, 2-oxo-3-(trimethyls	232	C9H20O3Si2	055887-51-9	27
4	1,2-Bis(trimethylsiloxy)ethane	206	C8H22O2Si2	007381-30-8	25



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Misc :
MS Integration Params: LSCINT.P

Vial: 27
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Inst : GC/MS 209
Multiplr: 1.00

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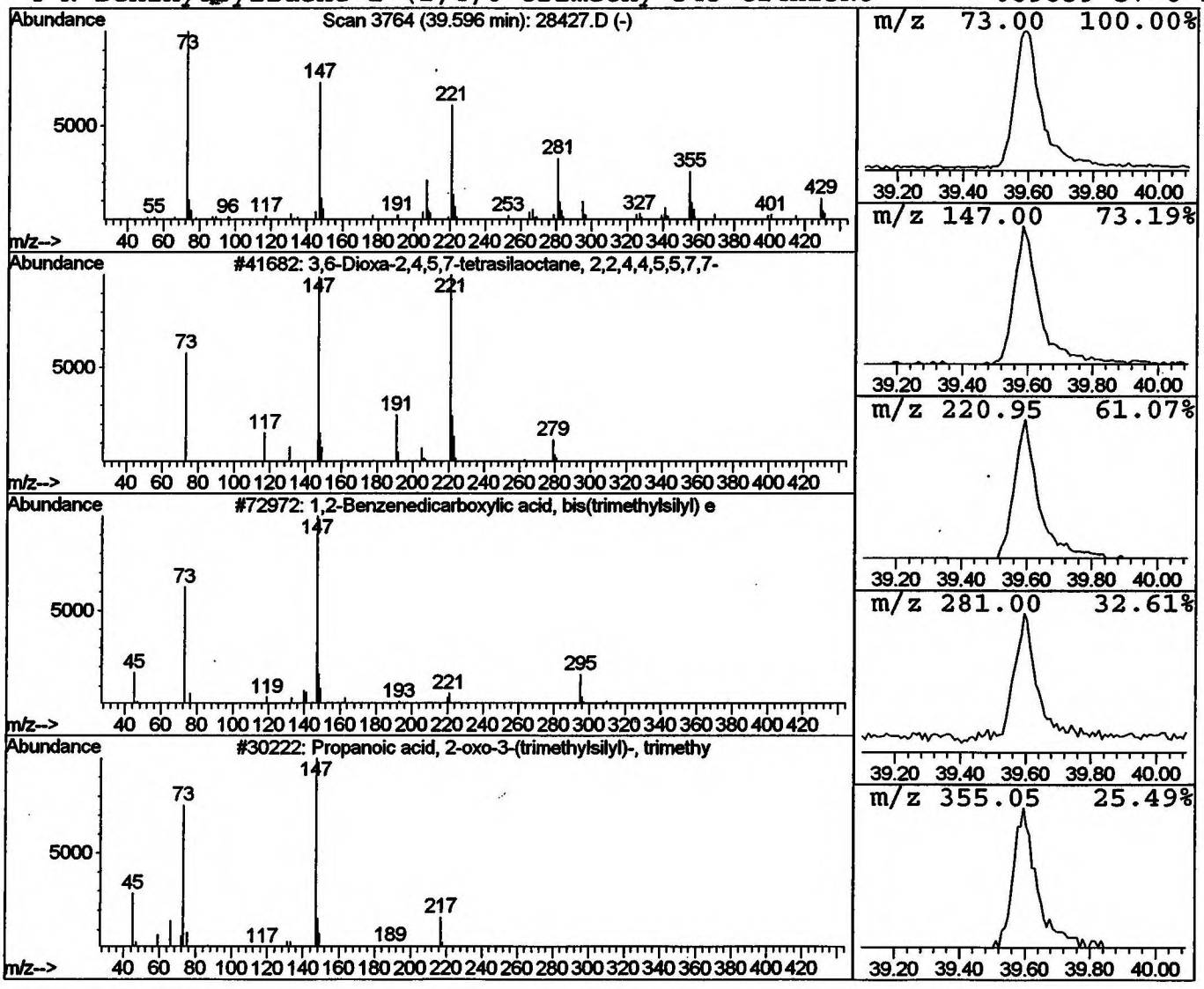
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.60	3.13 ug/l	338938	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	37
2	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
3	Propanoic acid, 2-oxo-3-(trimethyls	232	C9H20O3Si2	055887-51-9	12
4	N-Benzhydrylidene-1-(2,4,6-trimethy	343	C24H25NO	089839-57-6	12



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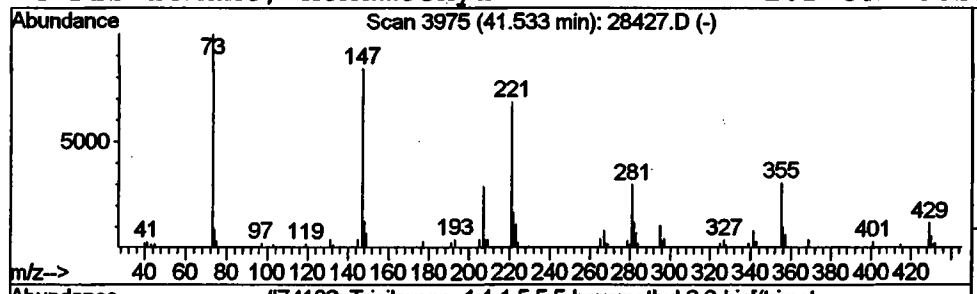
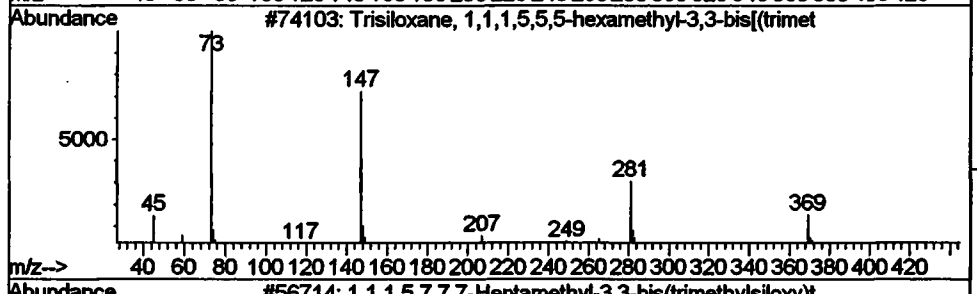
****

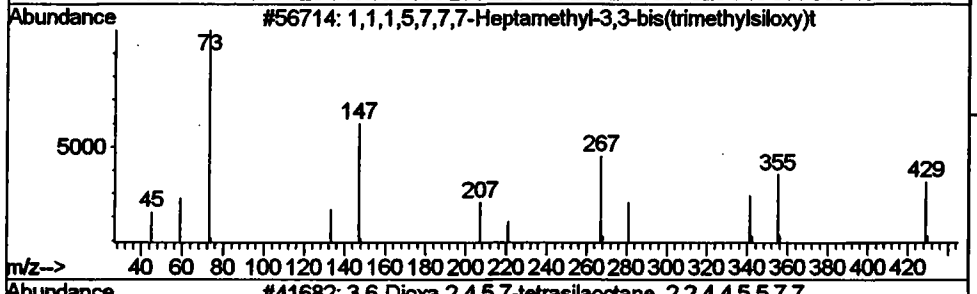
Peak Number 6 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 1

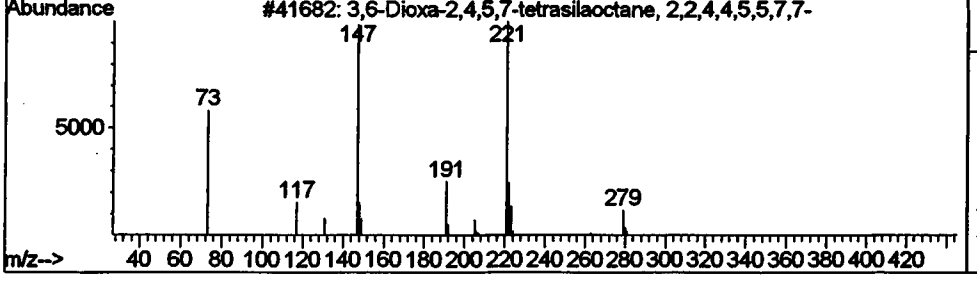
R.T.	EstConc	Area	Relative to ISTD	R.T.
41.53	3.32 ug/l	359223	Perylene-d12	37.12

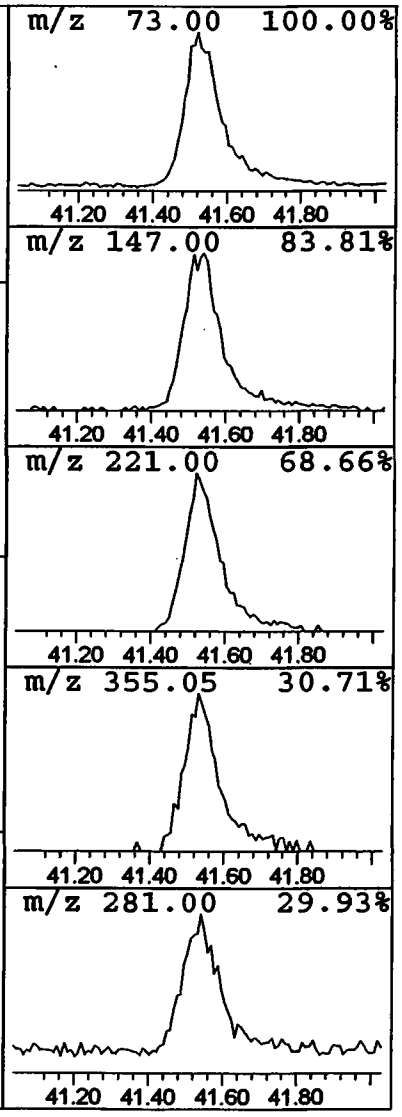
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	43
2	1,1,1,5,7,7,7-Heptamethyl-3,3-bis(t	444	C13H40O5Si6	038147-00-1	25
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	16
4	Disiloxane, hexamethyl-	162	C6H18OSi2	000107-46-0	12











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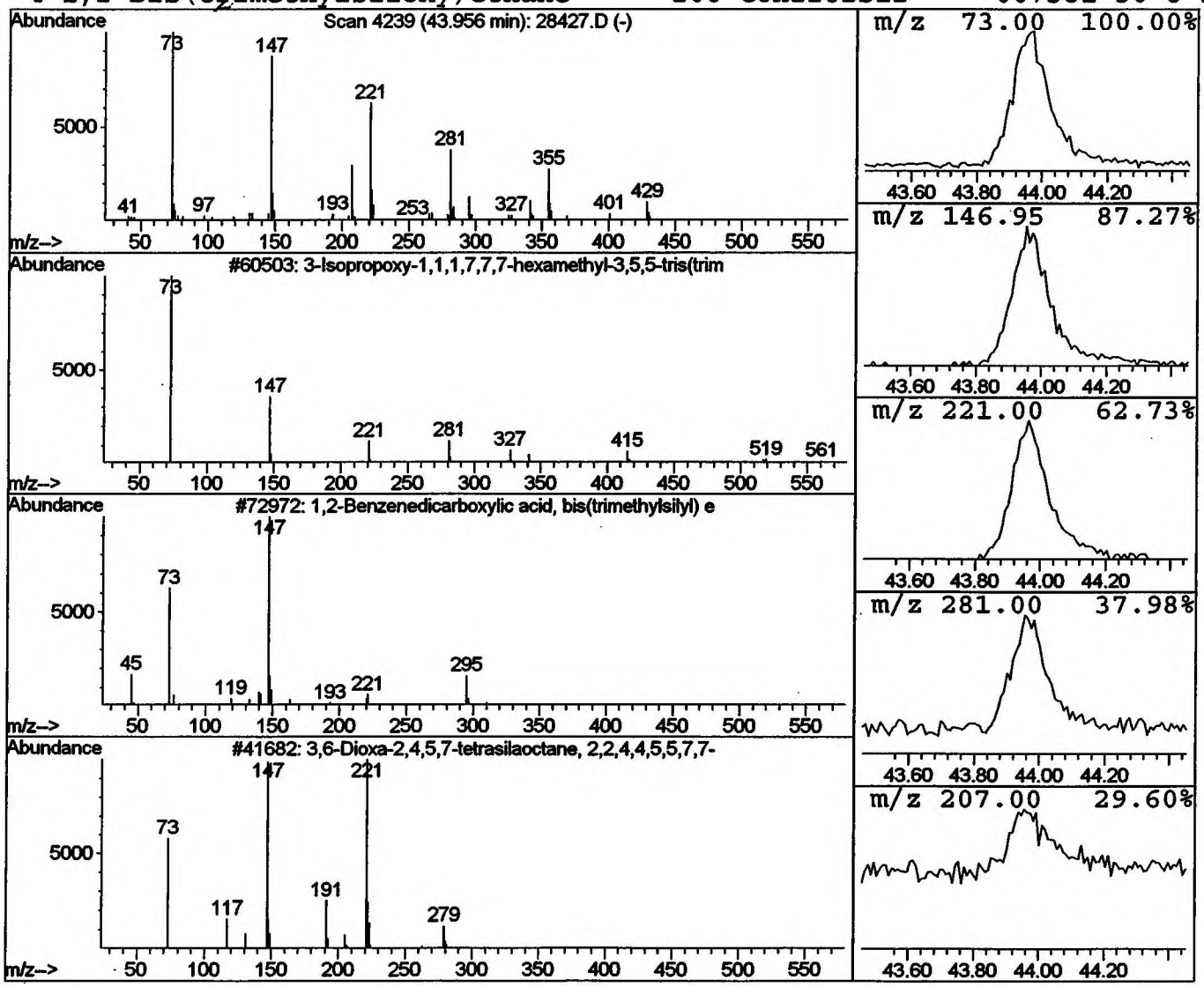
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
43.96	2.84 ug/l	307468	Perylene-d12	37.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
2	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	17
3	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	16
4	1,2-Bis(trimethylsiloxy)ethane	206	C8H22O2Si2	007381-30-8	12



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28427.D
Acq On : 29 Nov 2001 1:35 pm
Sample : 11/21 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 27
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

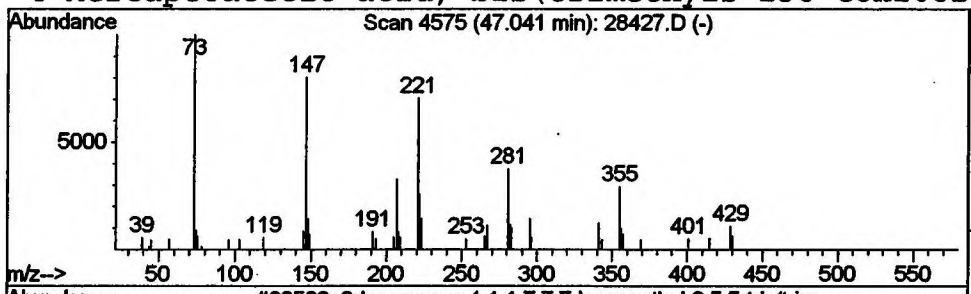
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

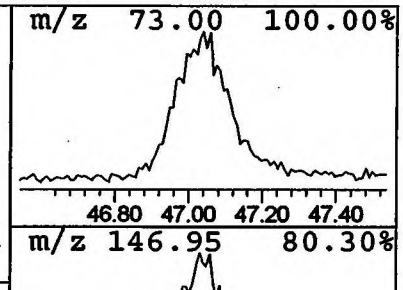
****

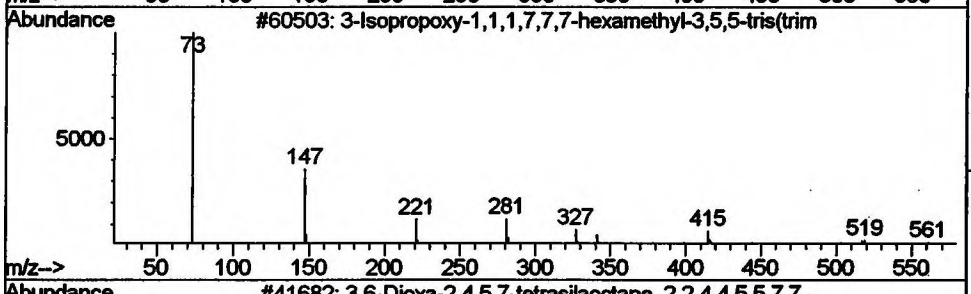
Peak Number 8 3-Isopropoxy-1,1,1,7,7,7-hexam Concentration Rank 5

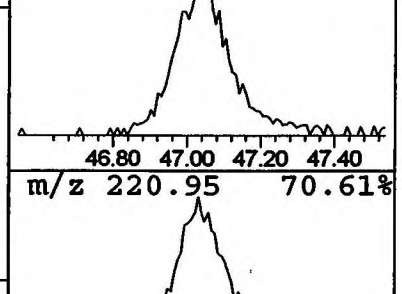
R.T.	EstConc	Area	Relative to ISTD	R.T.
47.04	1.74 ug/l	188855	Perylene-d12	37.12

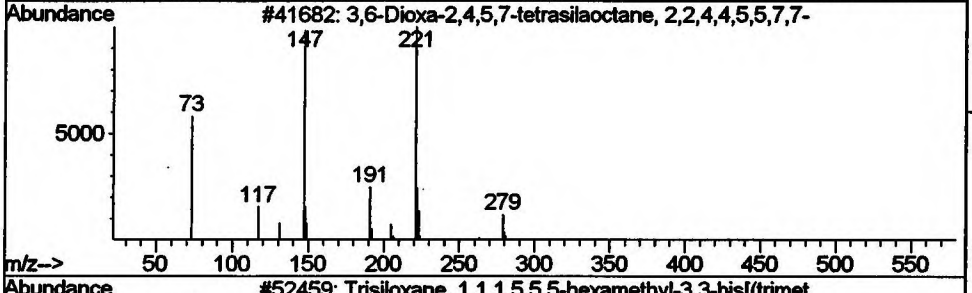
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	37
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	28
3	Trisiloxane, 1,1,1,5,5,5-hexamethyl	384	C12H36O4Si5	003555-47-3	25
4	Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	17

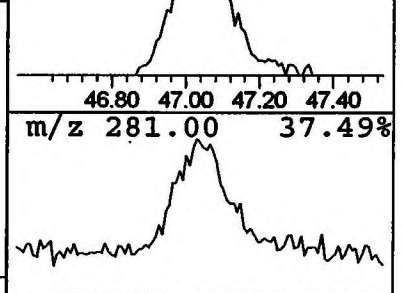


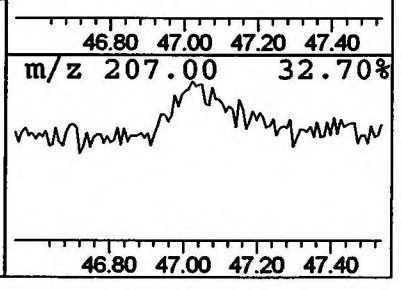


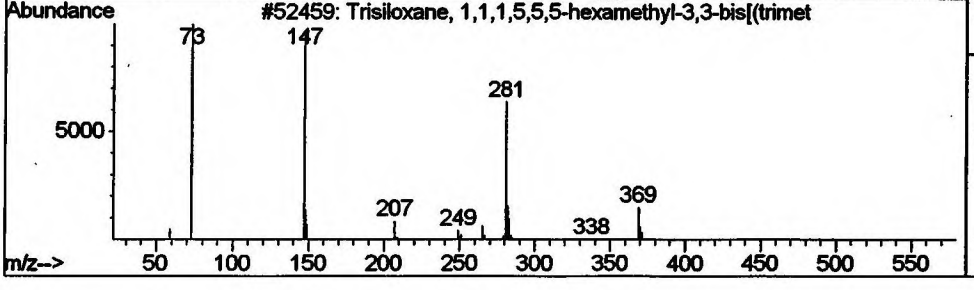












Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 1:35 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28427.D
Name: 11/21 scan
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS1126.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
1,4-Dichlorobenzene-	11.57	0.5	ug/l	117029	ISTD01	11.70	4560590	20.0
Trisiloxane, 1,1,1,5	35.57	0.8	ug/l	86501	ISTD06	37.12	2166200	20.0
3,6-Dioxa-2,4,5,7-te	36.72	1.4	ug/l	147605	ISTD06	37.12	2166200	20.0
Ethanedioic acid, bi	38.02	2.3	ug/l	245001	ISTD06	37.12	2166200	20.0
3,6-Dioxa-2,4,5,7-te	39.60	3.1	ug/l	338938	ISTD06	37.12	2166200	20.0
Trisiloxane, 1,1,1,5	41.53	3.3	ug/l	359223	ISTD06	37.12	2166200	20.0
3-Isopropoxy-1,1,1,7	43.96	2.8	ug/l	307468	ISTD06	37.12	2166200	20.0
3-Isopropoxy-1,1,1,7	47.04	1.7	ug/l	188855	ISTD06	37.12	2166200	20.0

28427.D GCMS1126.M Fri Nov 30 13:25:24 2001