Comments for Sample AD28680 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-07-2001 Time: 16:52:50

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for bis(2-Ethylhexyl)phthalate at an estimated level of 0.29 ug/L.
The recovery for the Surrogate Standard in this sample was 77%. Recoveries for 9 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D Vial: 11
Acq On : 28 Nov 2001 3:03 am Operator: 209 GALOS
Sample : 11/24 scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 6 13:16 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 : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.69	152	837473	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3143887	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1457191	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	1930748	20.00	ug/l	0.00
53) Chrysene-d12	33.02	240	817519	20.00	ug/l	-0.01
59) Perylene-d12	37.12	264	501176	20.00	ug/l	0.00
System Monitoring Compounds						
52) 2,4-DDD	30.07	235	88163	3.84	ug/mL	0.00
Spiked Amount 5.000			Recovery = 76.80%			
Target Compounds						Qvalue
2) Pyridine	0.00	79	0	N.D.		
3) N-nitroso-dimethyl amine	5.20	74	269	N.D.		
4) Phenol	11.38	94	102	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	397	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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Misc : Multiplr: 1.00
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Title : 209 625/TCLP calibration table
Last Update : Wed Nov 28 15:06:24 2001
Response via : Initial Calibration
DataAcq Meth : NP103001

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	0.00	65	0	N.D.	
37) 2,4-Dinitrotoluene	21.03	165	112	N.D.	
38) Diethylphthalate	22.10	149	321	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	521	N.D.	
49) Anthracene	25.00	178	521	N.D.	
50) Di-n-butylphthalate	27.01	149	10834	N.D.	
51) Fluoranthene	0.00	202	0	N.D.	
54) Pyrene	0.00	202	0	N.D.	
55) Butylbenzylphthalate	0.00	149	0	N.D.	
56) Benzo(a)anthracene	33.02	228	2131	N.D.	
57) Bis(2-ethylhexyl)phthalate	33.31	149	14449	0.29 ug/l	99
58) Chrysene	33.02	228	2131	N.D.	
60) Di-n-Octylphthalate	35.03	149	208	N.D.	
61) Benzo(b)fluoranthene	36.07	252	181	N.D.	
62) Benzo(k)fluoranthene	36.12	252	465	N.D.	
63) Benzo(a)pyrene	37.12	252	2207	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	0.00	276	0	N.D.	

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

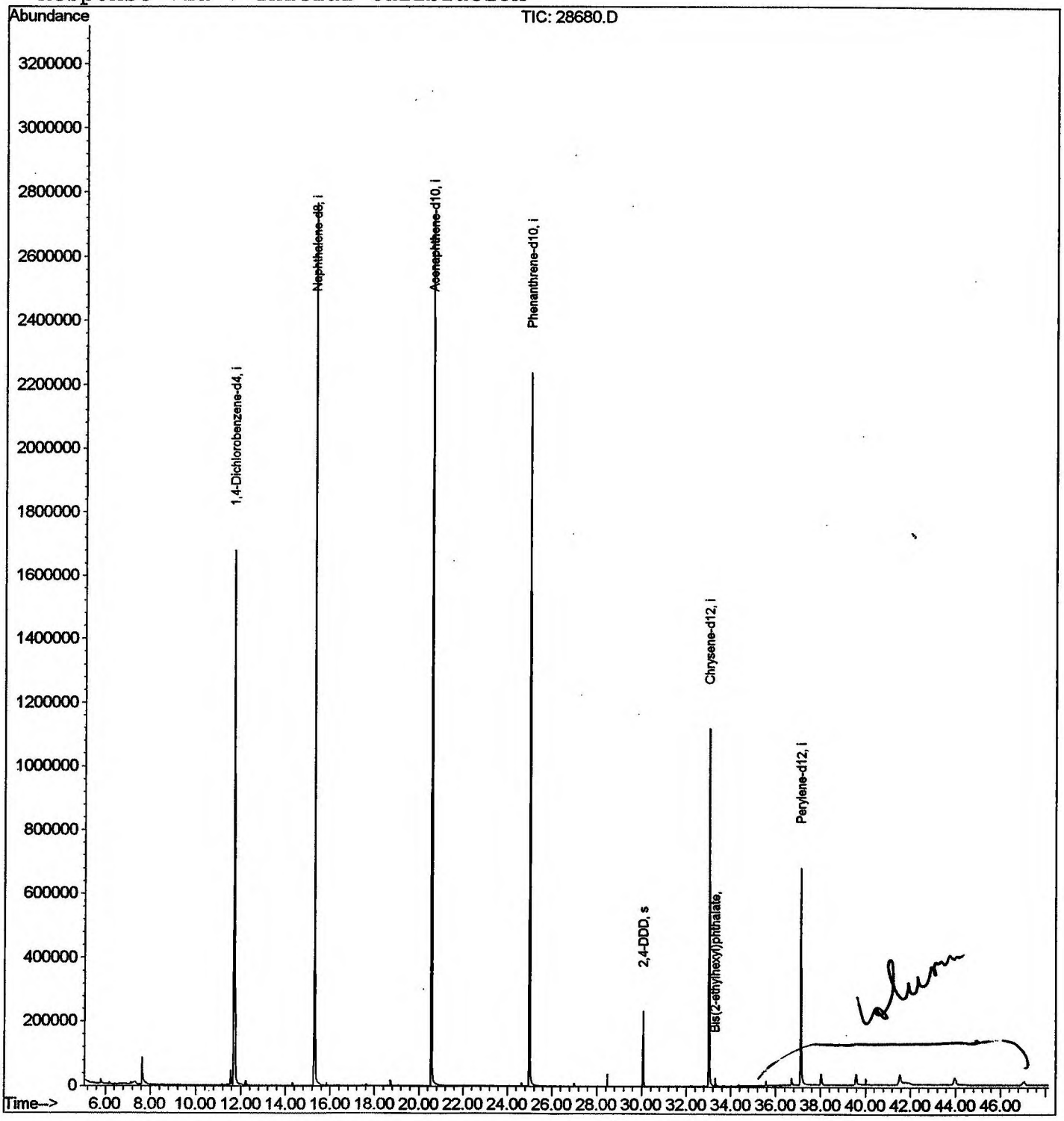
Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D
Acq On : 28 Nov 2001 3:03 am
Sample : 11/24 scan
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 6 13:16 2001

Vial: 11
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\NOV2601\28680.D Vial: 11
Acq On : 28 Nov 2001 3:03 am Operator: 209 GALOS
Sample : 11/24 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

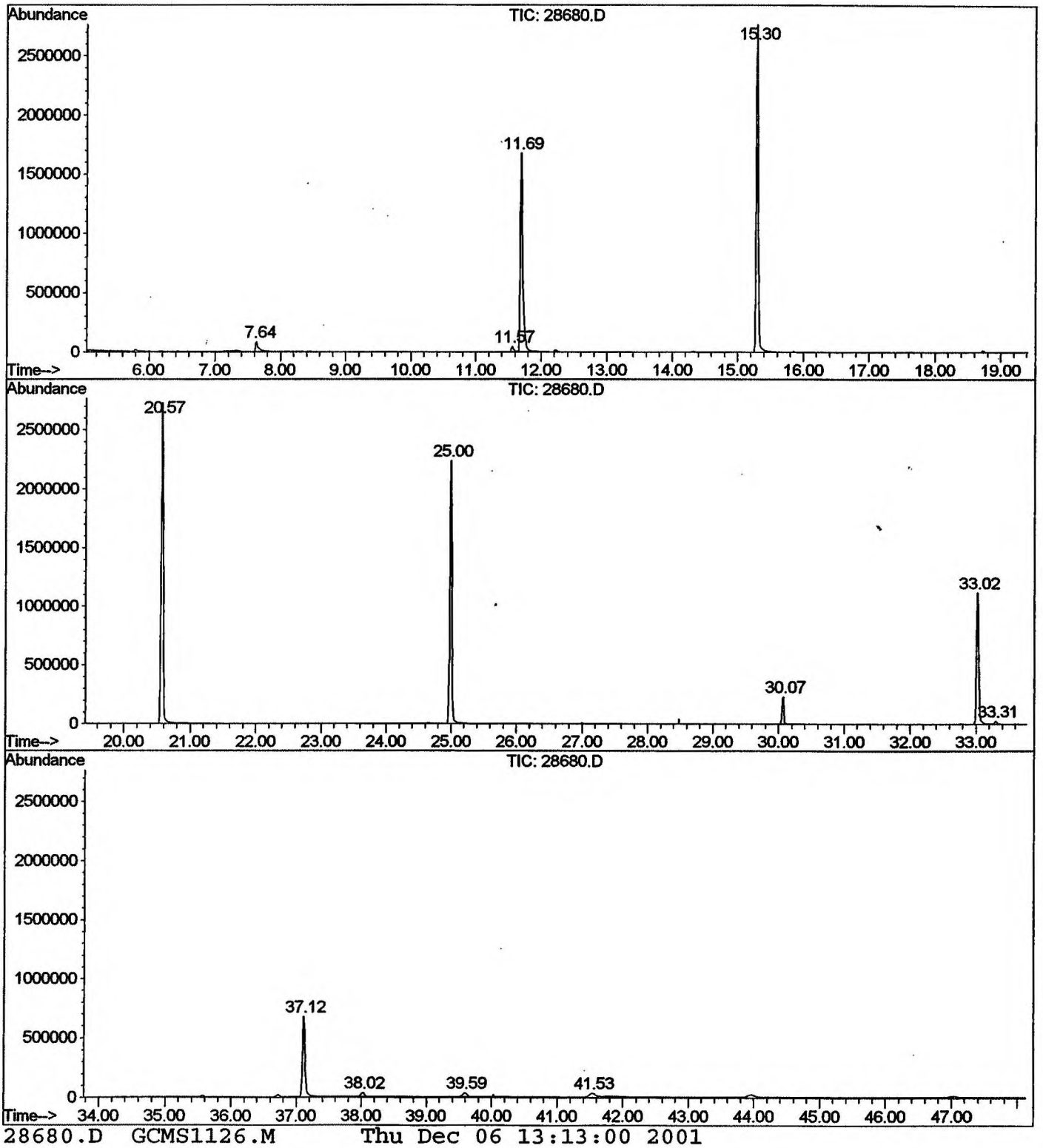
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.637	278	282	298	rBV	82914	251500	4.34%	0.948%
2	11.566	705	710	719	rBV	44828	108330	1.87%	0.408%
3	11.695	719	724	744	rBV	1675517	4354052	75.06%	16.409%
4	15.303	1111	1117	1137	rBV	2765150	5757395	99.25%	21.698%
5	20.572	1685	1691	1715	rBV	2727707	5800770	100.00%	21.861%
6	24.997	2166	2173	2187	rBV2	2236397	4888847	84.28%	18.425%
7	30.074	2720	2726	2734	rBV	232062	466080	8.03%	1.757%
8	33.021	3041	3047	3064	rBV2	1116904	2584332	44.55%	9.740%
9	33.305	3072	3078	3087	rBV2	25569	59983	1.03%	0.226%
10	37.115	3484	3493	3508	rBV2	675524	1809857	31.20%	6.821%
11	38.024	3584	3592	3603	rBV2	33646	114404	1.97%	0.431%
12	39.594	3755	3763	3773	rBV2	31837	135769	2.34%	0.512%
13	41.531	3961	3974	3984	rBV4	32742	202908	3.50%	0.765%

Sum of corrected areas: 26534227

28680.D GCMS1126.M Thu Dec 06 13:12:58 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2601\28680.D
Operator : 209 GALOS
Acquired : 28 Nov 2001 3:03 am using AcqMethod NP103001
Instrument : GC/MS 209
Sample Name: 11/24 scan
Misc Info :
Vial Number: 11
Quant File :GCMS1126.RES (RTE Integrator)



28680.D GCMS1126.M Thu Dec 06 13:13:00 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D
Acq On : 28 Nov 2001 3:03 am
Sample : 11/24 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

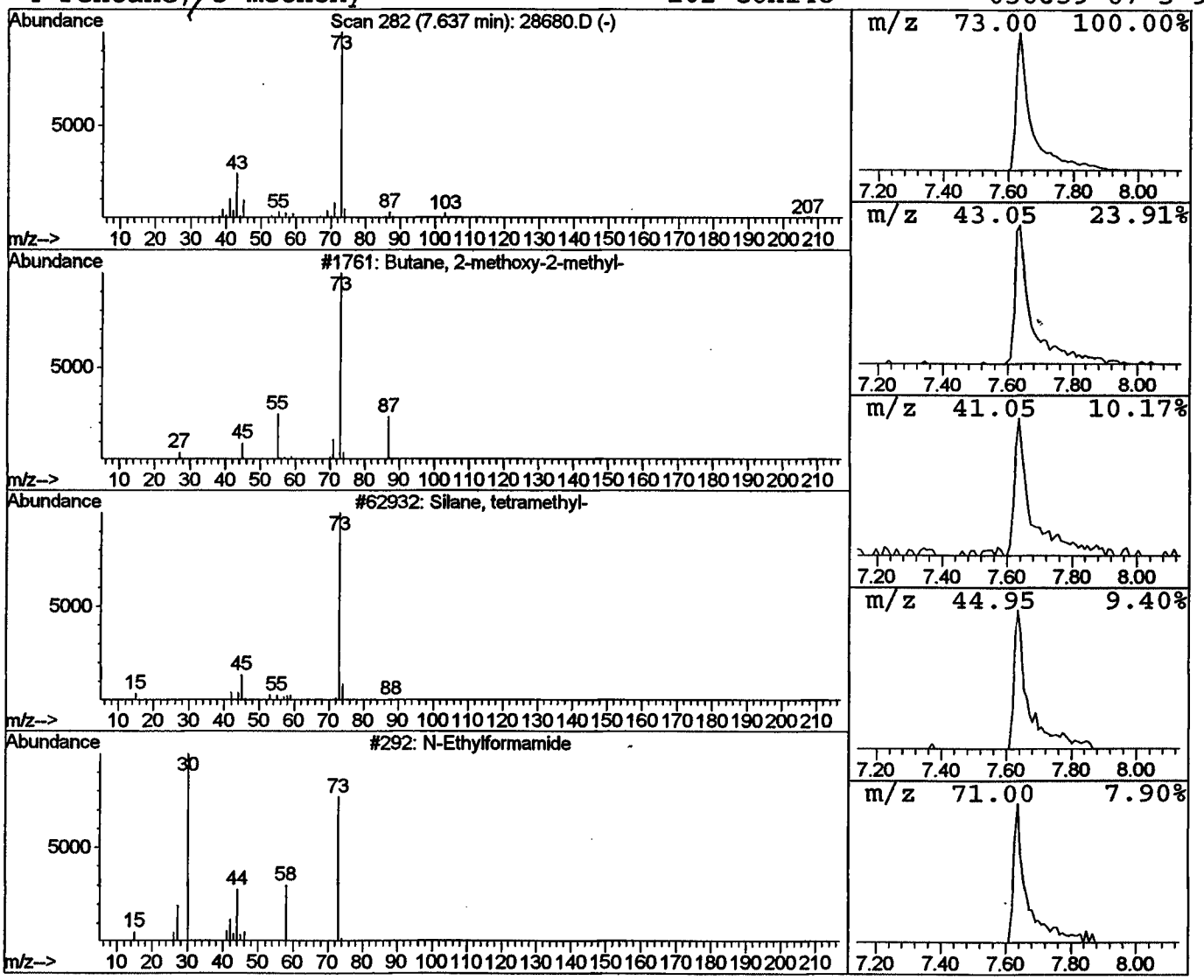
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.64	1.16 ug/l	251500	1,4-Dichlorobenzene-d4	11.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	36
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D
Acq On : 28 Nov 2001 3:03 am
Sample : 11/24 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

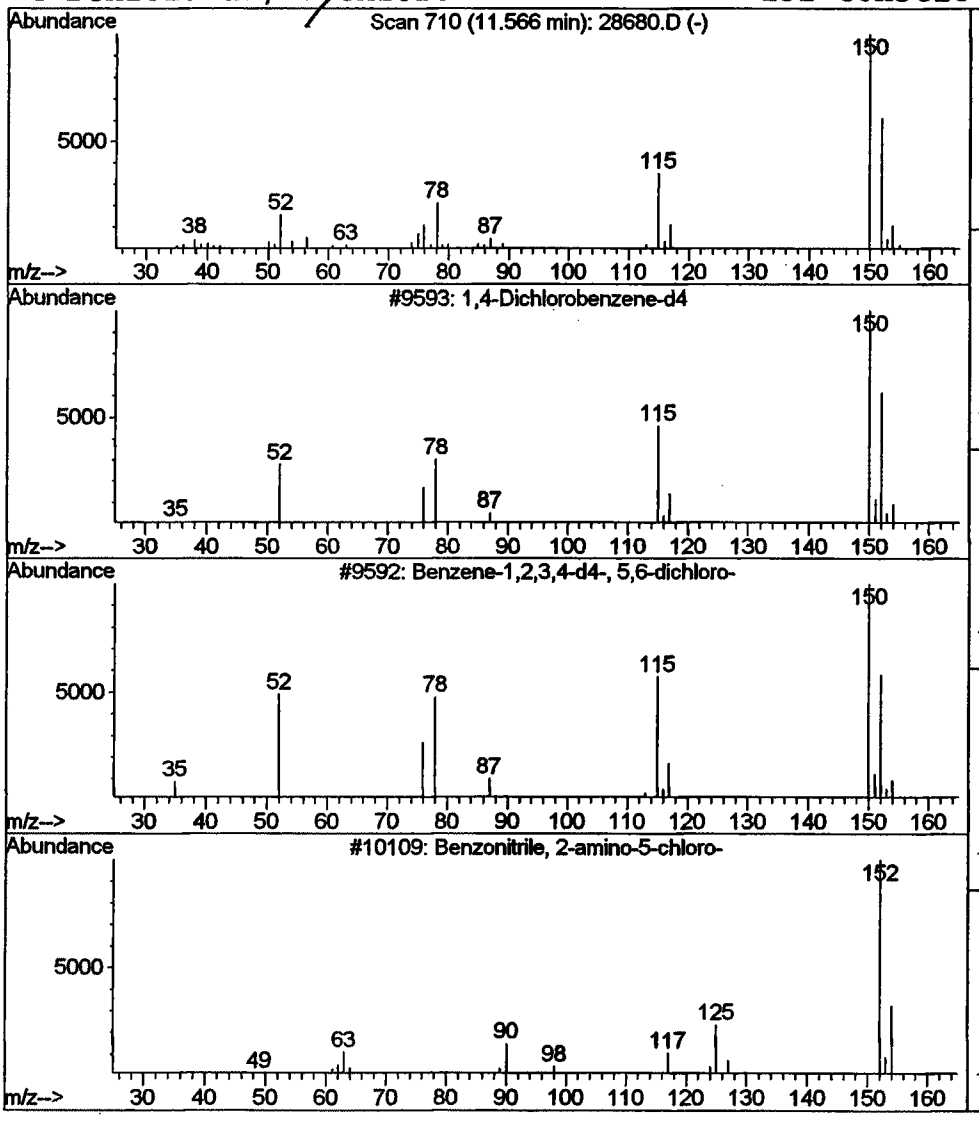
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

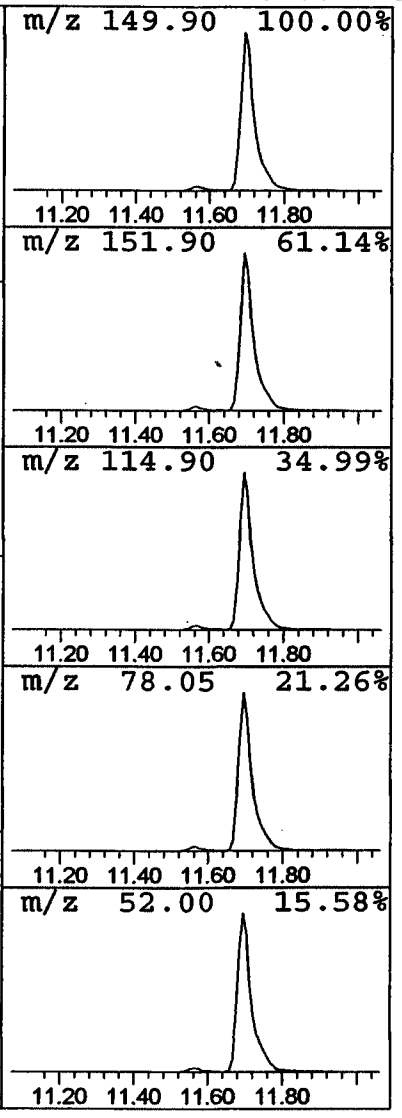
****

Peak Number 2 1,4-Dichlorobenzene-d4 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.50 ug/l	108330	1,4-Dichlorobenzene-d4	11.69

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	25
3	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	9
4	Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9





Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D
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MS Integration Params: LSCINT.P

Vial: 11
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Inst : GC/MS 209
Multiplr: 1.00

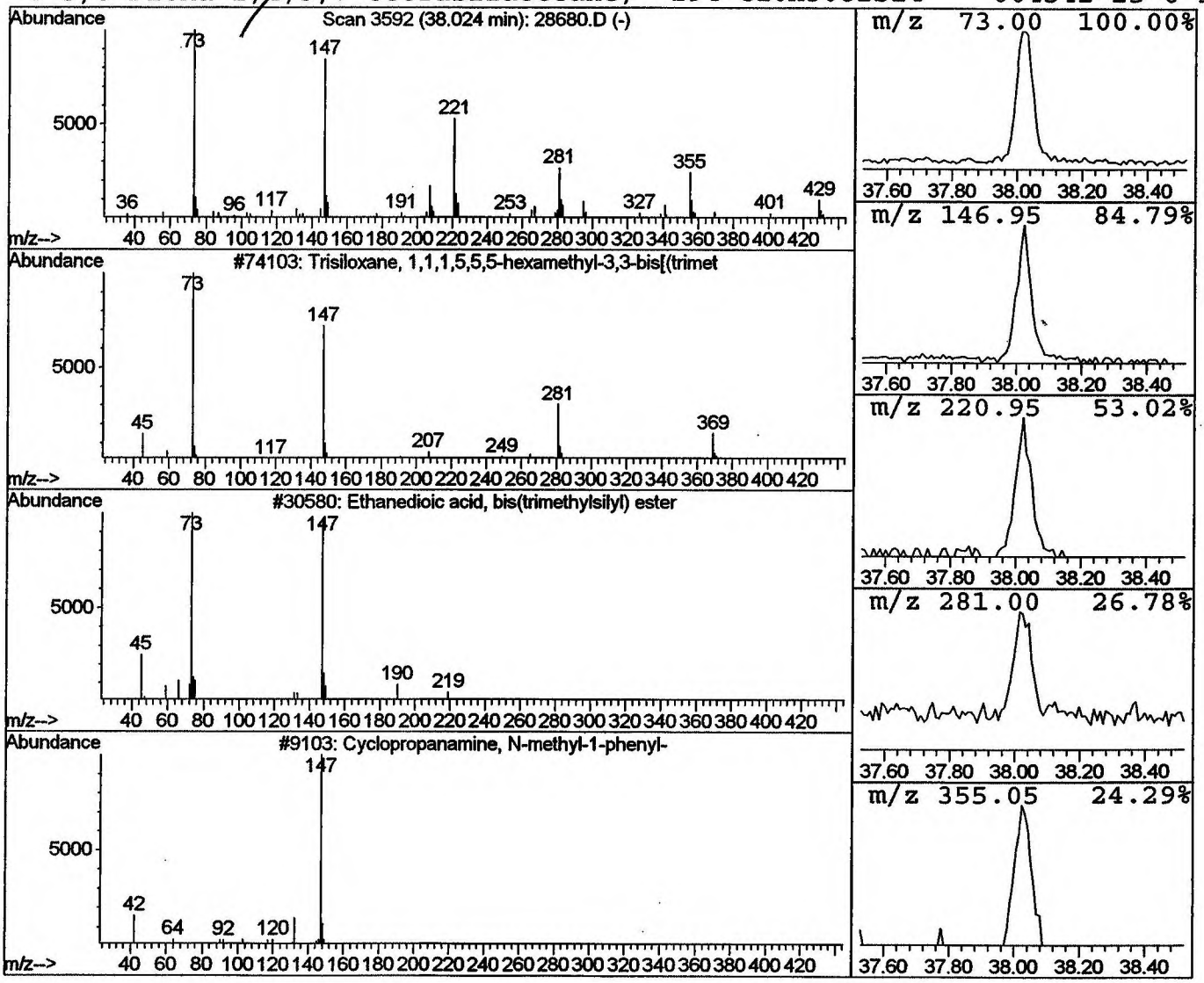
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
38.02	1.26 ug/l	114404	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	46
2	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	25
3	Cyclopropanamine, N-methyl-1-phenyl	147	C10H13N	056771-48-3	22
4	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	17



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2601\28680.D
Acq On : 28 Nov 2001 3:03 am
Sample : 11/24 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

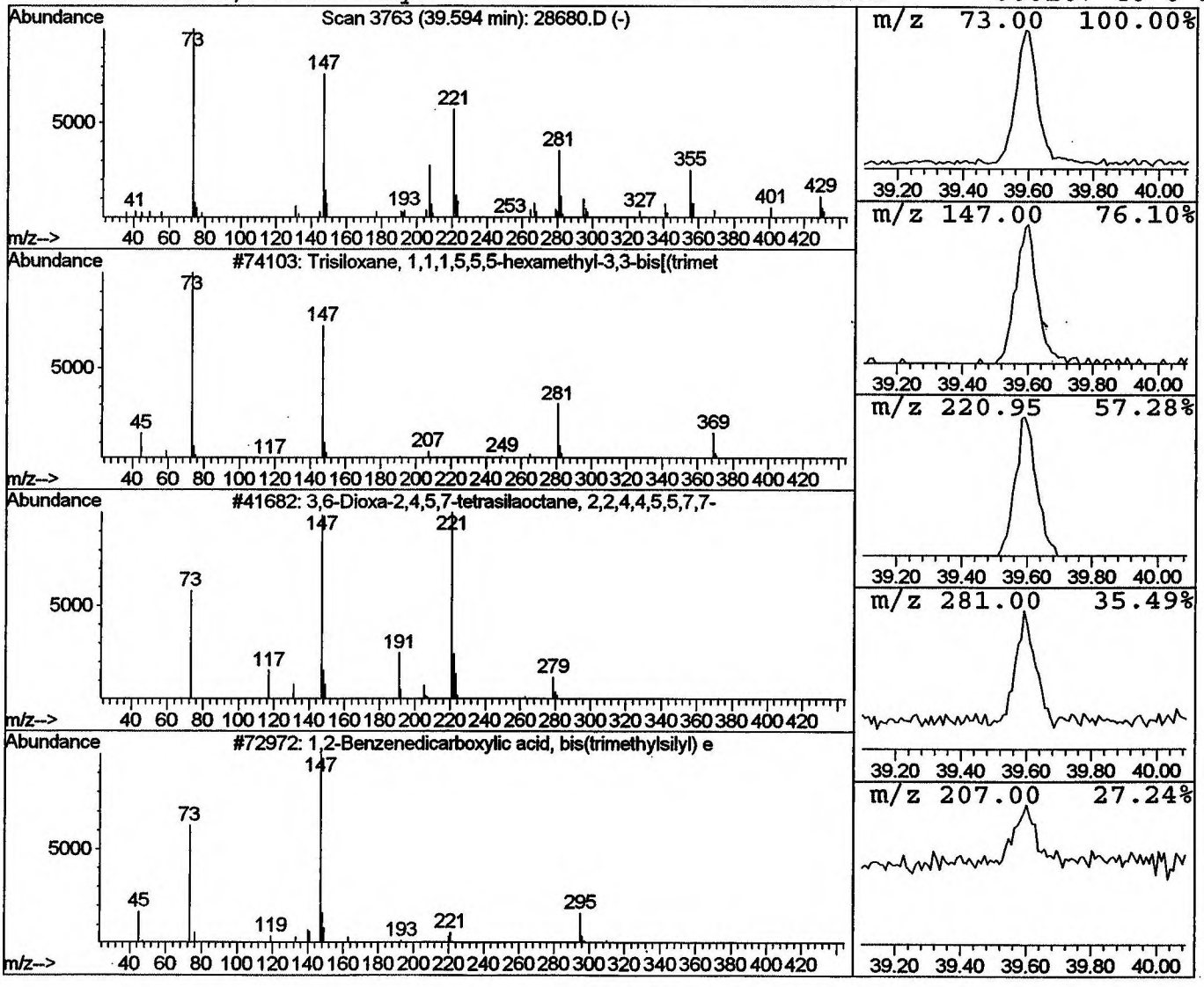
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Trisiloxane, 1,1,1,5,5,5-hexam Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.59	1.50 ug/l	135769	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	38
2	3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	25
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	12
4	Disiloxane, hexamethyl-	162	C6H18OSi2	000107-46-0	10



Library Search Compound Report

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Acq On : 28 Nov 2001 3:03 am
Sample : 11/24 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 11
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

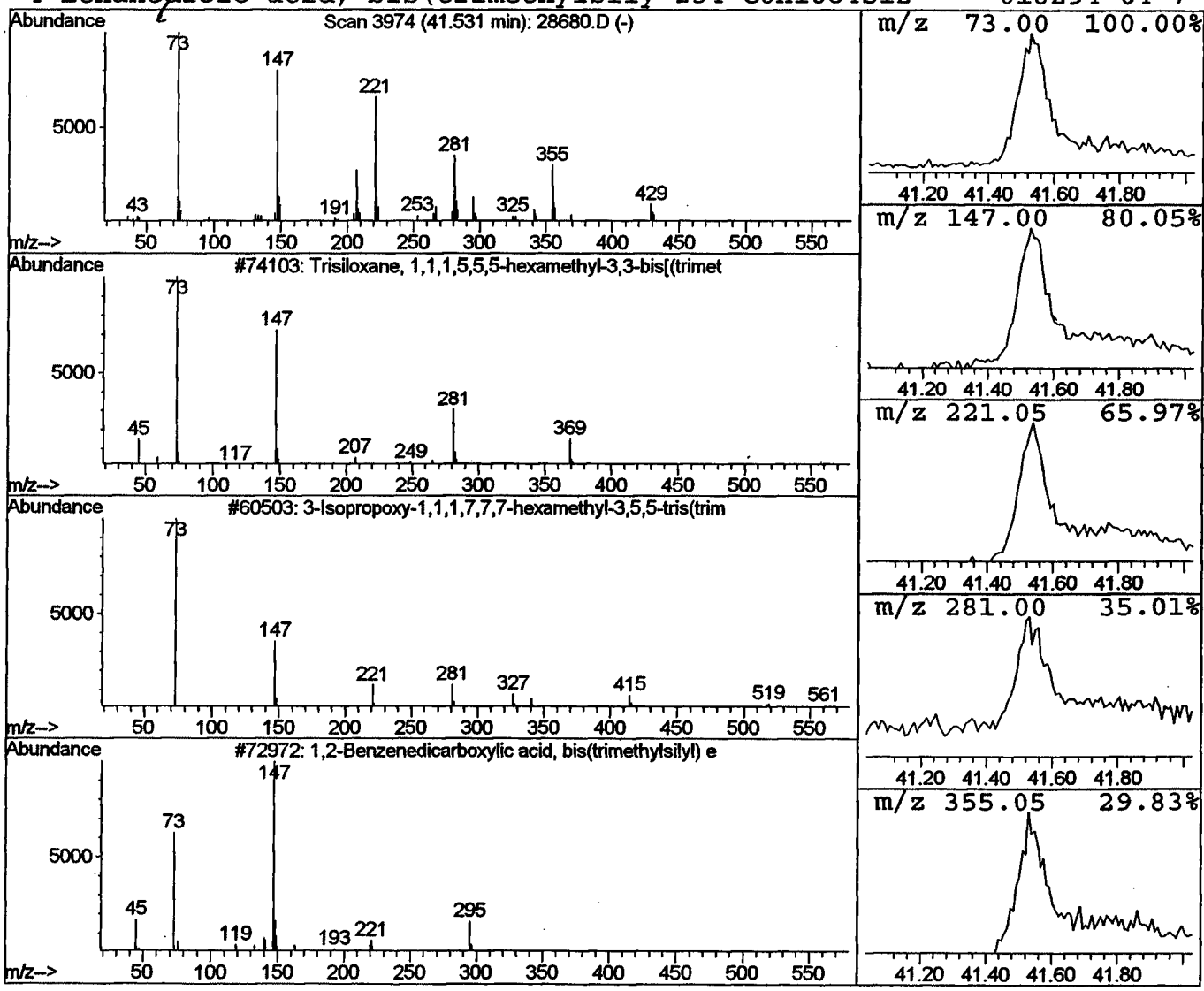
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.53	2.24 ug/l	202908	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	3-Isopropoxy-1,1,1,7,7,7-hexamethyl	576	C18H52O7Si7	071579-69-6	28
3	1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	25
4	Ethanedioic acid, bis(trimethylsily	234	C8H18O4Si2	018294-04-7	22



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 28 Nov 2001 3:03 am
Data File: C:\HPCHEM\1\DATA\NOV2601\28680.D
Name: 11/24 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
Butane, 2-methoxy-2-	7.64	1.2	ug/l	251500	ISTD01	11.69	4354050	20.0
1,4-Dichlorobenzene-	11.57	0.5	ug/l	108330	ISTD01	11.69	4354050	20.0
Trisiloxane, 1,1,1,5	38.02	1.3	ug/l	114404	ISTD06	37.12	1809860	20.0
Trisiloxane, 1,1,1,5	39.59	1.5	ug/l	135769	ISTD06	37.12	1809860	20.0
Trisiloxane, 1,1,1,5	41.53	2.2	ug/l	202908	ISTD06	37.12	1809860	20.0

28680.D GCMS1126.M Thu Dec 06 13:13:13 2001