User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 04/17/2002 Time: 14:05:58

Sample: AE05850
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 4/17/02 14:05 Ended: 4/17/02 14:05 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		81		5.0

Comments for Sample AE05850 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 04-17-2002 Time: 14:06:25

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 3 of the 43 compounds in the LCS Standard were outside of their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:41 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 08 11:30:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	12.24	152	353374	20.00	ug/l	-0.02
10) Naphthalene-d8	15.88	136	1281391	20.00	ug/l	-0.03
17) Acenaphthene-d10	21.19	164	726682	20.00	ug/l	-0.02
30) Phenanthrene-d10	25.63	188	995309	20.00	ug/l	-0.03
39) Chrysene-d12	33.69	240	477275	20.00	ug/l	-0.03
45) Perylene-d12	37.93	264	262436	20.00	ug/l	-0.02
System Monitoring Compounds						
28) TCMX	0.00	209	0	0.00	ug/mL	
Spiked Amount 4.000			Recovery = 0.00%			
38) 2,4-DDD	30.71	235	75820	~~7.91~~ 4.03	ug/mL	0.21
Spiked Amount 5.000			Recovery	~~158.20%~~ 81%		
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.47	74	257	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	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	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	15.94	128	378	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.	d	
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	22.67	149	949	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\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:41 2002 Quant Results File: GCMS0408.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 08 11:30:53 2002
Response via : Initial Calibration
DataAcq Meth : GCMS0403

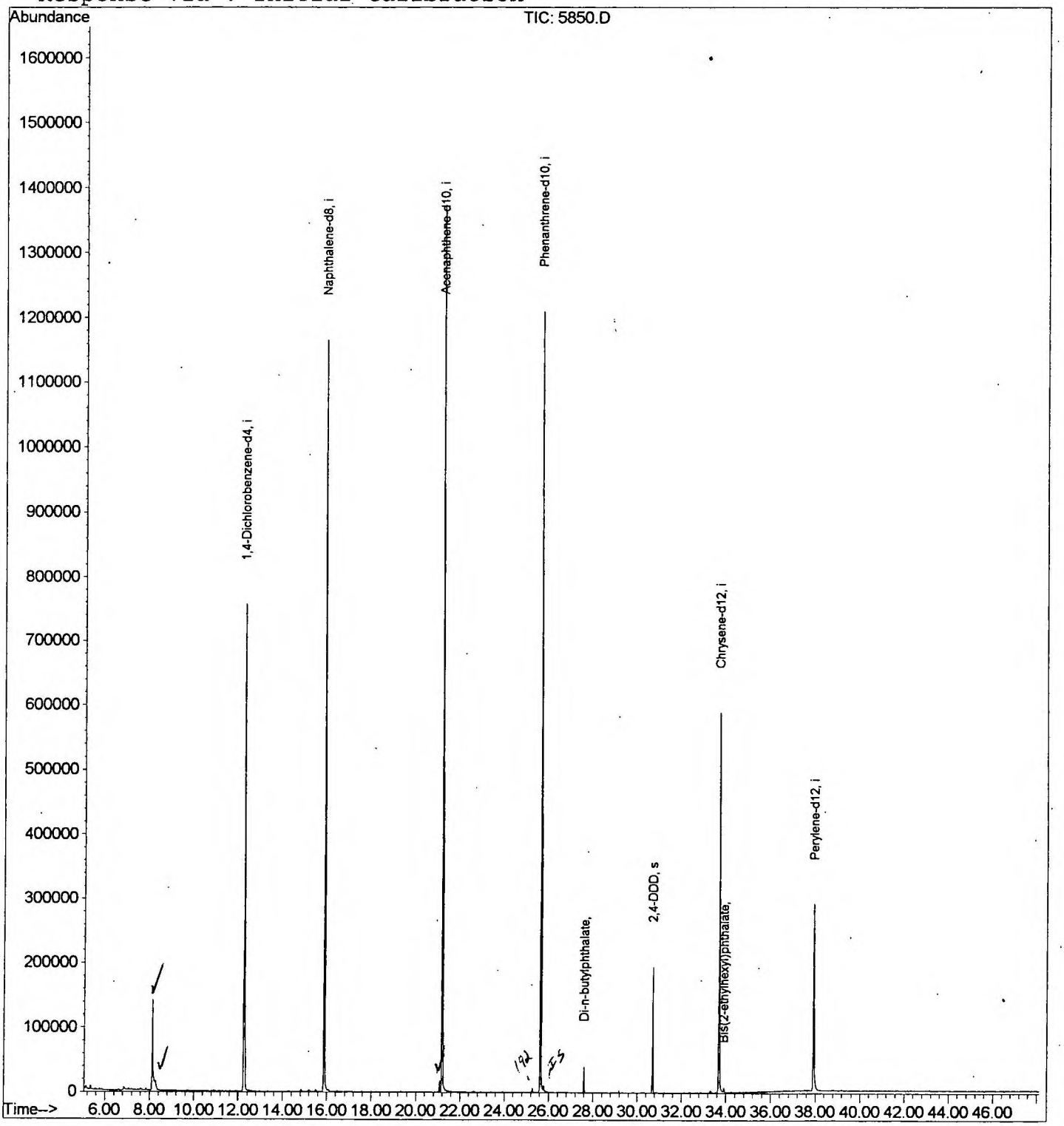
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
33)	Hexachlorobenzene	0.00	284	0	N.D.	
34)	Phenanthrene	25.63	178	225	N.D.	
35)	Anthracene	25.63	178	225	N.D.	
36)	Di-n-butylphthalate	27.59	149	49193	2.41 ug/l	98
37)	Fluoranthene	0.00	202	0	N.D.	
40)	Pyrene	0.00	202	0	N.D.	
41)	Butylbenzylphthalate	32.13	149	236	N.D.	
42)	Benzo(a)anthracene	33.68	228	931	N.D.	
43)	Bis(2-ethylhexyl)phthalate	33.91	149	4489	0.64 ug/l #	88
44)	Chrysene	33.68	228	931	N.D.	
46)	Di-n-Octylphthalate	0.00	149	0	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	37.93	252	891	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\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: GOOFY.P
Quant Time: Apr 9 15:41 2002 Quant Results File: GCMS0408.RES

Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Apr 15 14:10:52 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0408.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

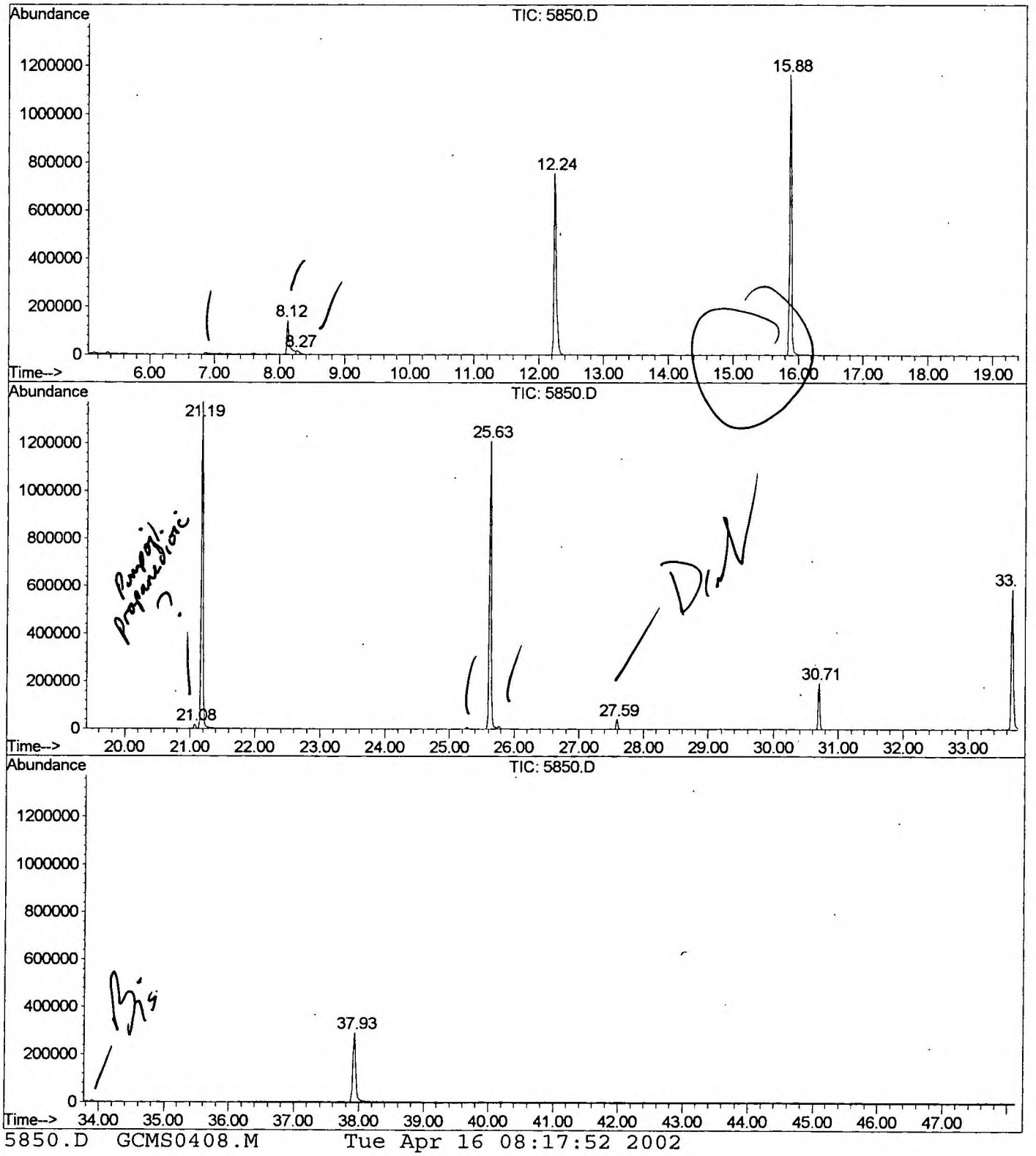
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	8.122	331	335	349	rBV	139580	382984	13.89%	3.014%
2	8.269	349	351	361	rVB	14327	42568	1.54%	0.335%
3	12.244	779	784	799	rBV	754521	1882609	68.27%	14.815%
4	15.879	1174	1180	1198	rBV	1164698	2426430	88.00%	19.094%
5	21.075	1741	1746	1752	rBV2	17987	32836	1.19%	0.258%
6	21.186	1752	1758	1774	rBV	1372793	2757417	100.00%	21.699%
7	25.629	2235	2242	2254	rBV2	1209973	2493095	90.41%	19.619%
8	27.593	2451	2456	2461	rBV	40542	78803	2.86%	0.620%
9	30.706	2790	2795	2800	rBV	194495	369402	13.40%	2.907%
10	33.689	3113	3120	3132	rBV	588631	1370272	49.69%	10.783%
11	37.931	3574	3582	3597	rBV	288609	871255	31.60%	6.856%

Sum of corrected areas: 12707671

5850.D GCMS0408.M Tue Apr 16 08:17:51 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\APR0402\5850.D
Operator :
Acquired : 4 Apr 2002 8:46 pm using AcqMethod GCMS0403
Instrument : GC/MS 209
Sample Name: gc/ms scan 3/12
Misc Info :
Vial Number: 24
Quant File :GCMS0408.RES (RTE Integrator)



5850.D GCMS0408.M Tue Apr 16 08:17:52 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: LSCINT.P

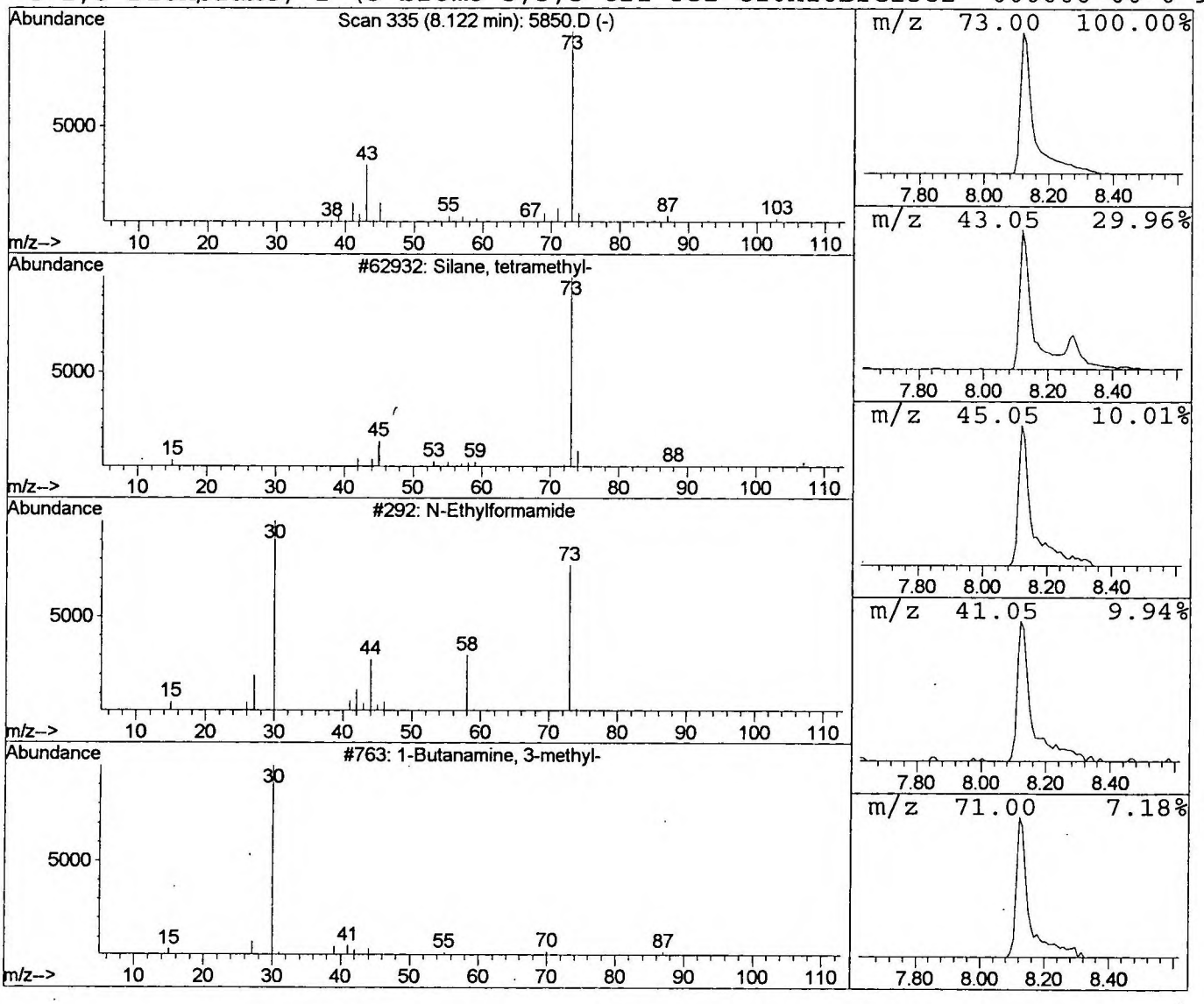
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	8.14 ug/l	382984	1,4-Dichlorobenzene-d4	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	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\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: LSCINT.P

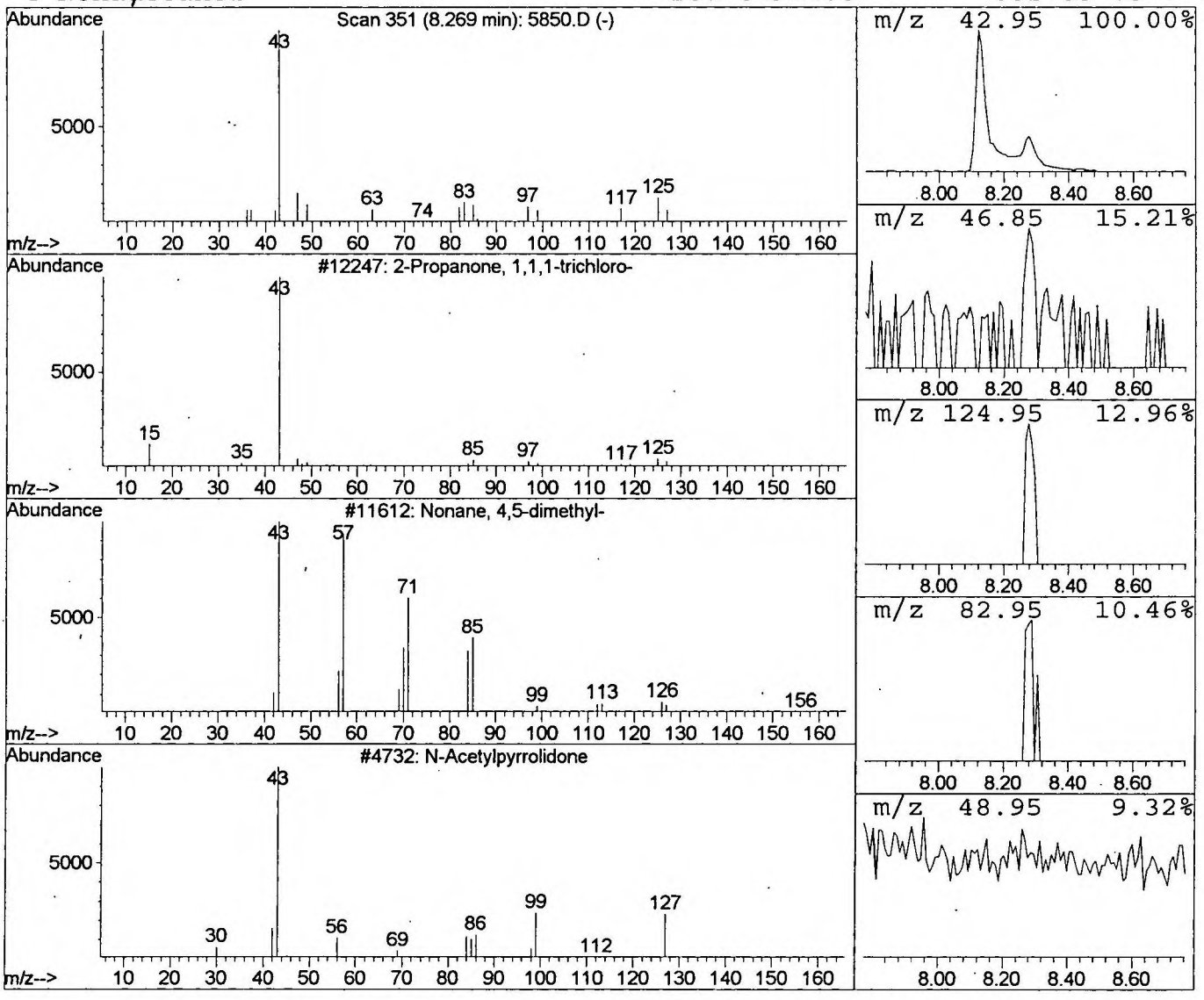
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	0.90 ug/l	42568	1,4-Dichlorobenzene-d4	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	23
2	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	9
3	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	4
4	Nonadecanol	284	C19H40O	052783-43-4	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\APR0402\5850.D Vial: 24
Acq On : 4 Apr 2002 8:46 pm Operator:
Sample : gc/ms scan 3/12 Inst : GC/MS 209
Misc : Multiplr: 2.00
MS Integration Params: LSCINT.P

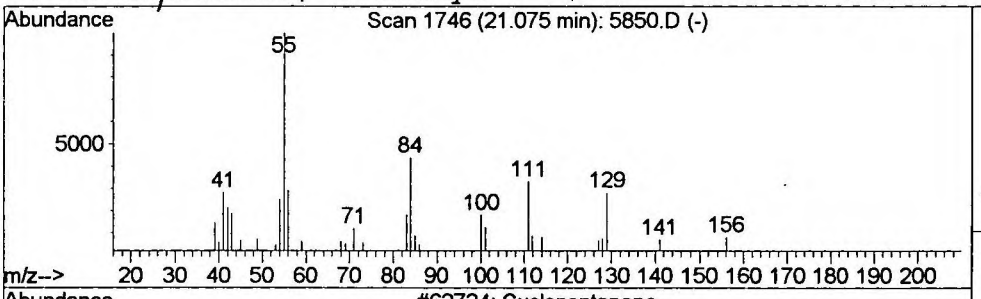
Quant Method : C:\HPCHEM\1\METHODS\GCMS0408.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

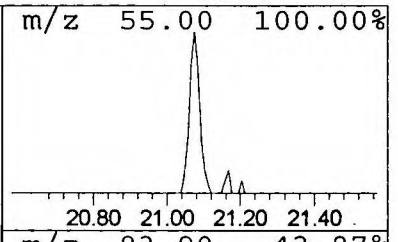
****

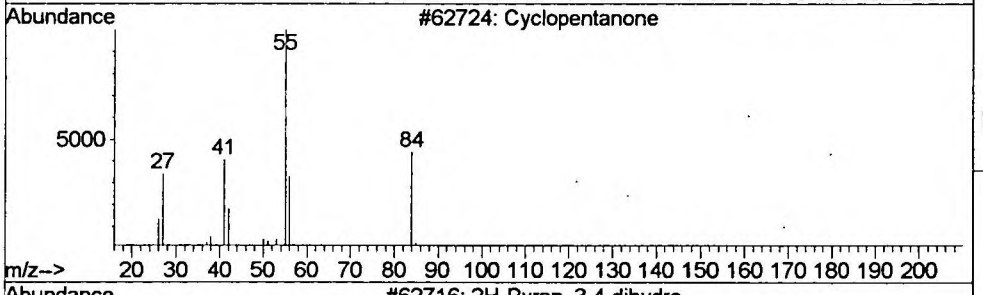
Peak Number 3 Cyclopentanone Concentration Rank 3

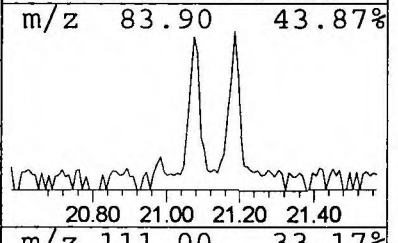
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	0.48 ug/l	32836	Acenaphthene-d10	21.19

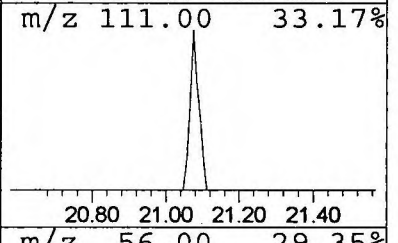
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanone	84	C5H8O	000120-92-3	38
2	2H-Pyran, 3,4-dihydro-	84	C5H8O	000110-87-2	38
3	1,6-Dioxacyclododecane-7,12-dione	200	C10H16O4	000777-95-7	30
4	1H-Tetrazole, 1-methyl-	84	C2H4N4	016681-77-9	27

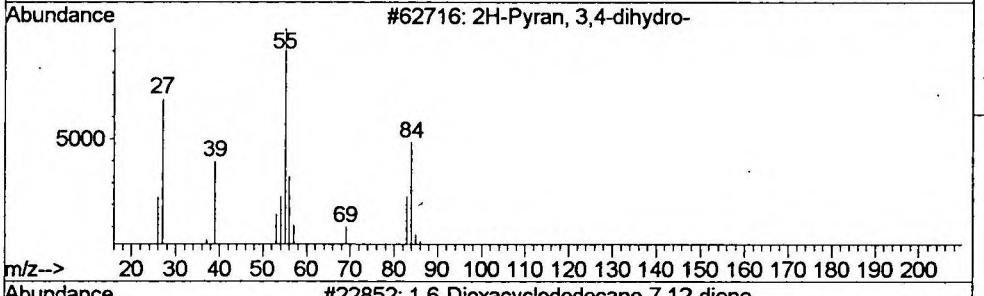


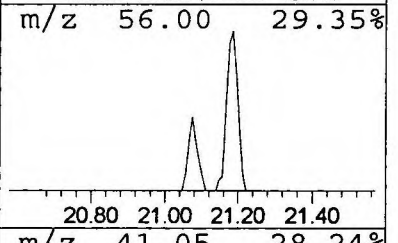


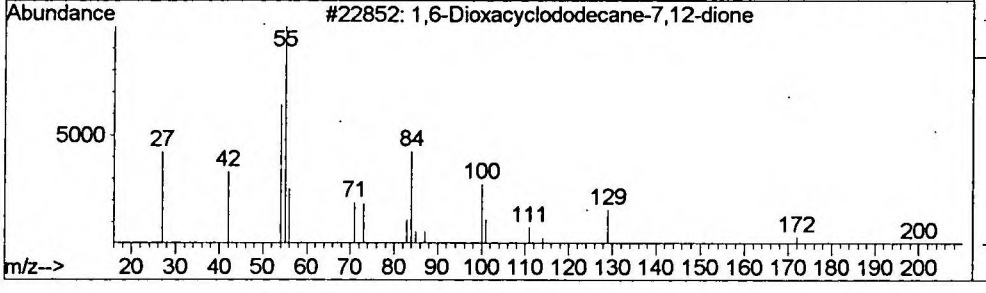


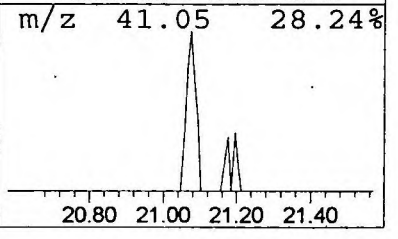












Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 4 Apr 2002 8:46 pm
Data File: C:\HPCHEM\1\DATA\APR0402\5850.D
Name: gc/ms scan 3/12
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0408.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-	8.12	8.1	ug/l	382984	ISTD01	12.24	1882610	20.0
2-Propanone, 1,1,1-t	8.27	0.9	ug/l	42568	ISTD01	12.24	1882610	20.0
Cyclopentanone	21.08	0.5	ug/l	32836	ISTD03	21.19	2757420	20.0

5850.D GCMS0408.M Tue Apr 16 08:17:55 2002