

User: Galos, Marie
Westchester Dept. of Labs & Research
Date: 11/09/2001 Time: 11:39:04

Sample: AD24474
Analysis: \$GCMS GCMS Scan For Unknowns
Units: ug
Started: 11/9/01 11:38 Ended: 11/9/01 11:38 Analyst: MG
Page: 1

	Component Name	Viol	Result
1	Other unknown compounds		see comment

Comments for Sample AD24474 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 11-14-2001 Time: 10:37:41

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 1,2-Dichlorobenzene-d4 at 0.25 ug/L, probably due to laboratory contamination, since it is used as a Surrogate Standard in GCMS analyses.

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV0201\24474.D

Vial: 14

Acq On : 3 Nov 2001 3:41 am

Operator: 209 GALOS

Sample : gc/ms unknown

Inst : GC/MS 209

Misc :

Multiplr: 1.00

MS Integration Params: RTEINT.P

Quant Time: Nov 3 4:29 2001

Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)

Title : 209 625/TCLP calibration table

Last Update : Fri Nov 02 16:41:16 2001

Response via : Initial Calibration

DataAcq Meth : NP103001

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	11.71	152	608530	20.00	ug/l	-0.01
19) Naphthalene-d8	15.32	136	2445001	20.00	ug/l	-0.01
31) Acenaphthene-d10	20.60	164	1182808	20.00	ug/l	-0.01
49) Phenanthrene-d10	25.02	188	1788967	20.00	ug/l	-0.01
59) Chrysene-d12	33.06	240	1265869	20.00	ug/l	-0.01
68) Perylene-d12	37.16	264	935514	20.00	ug/l	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
5) Phenol-d5	0.00	99	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
6) 2-Chlorophenol-d4	11.71	132	246	0.01	ug/l	0.47
Spiked Amount	75.000		Recovery	=	0.01%	
7) 1,2-Dichlorobenzene-d4	12.23	152	6941	0.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	0.50%	
20) Nitrobenzene-d5	0.00	82	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
32) 2-Fluorobiphenyl	18.74	172	2233	0.03	ug/l	0.13
Spiked Amount	50.000		Recovery	=	0.06%	
33) 2,4,6-Tribromophenol	0.00	330	0	0.00	ug/l	
Spiked Amount	75.000		Recovery	=	0.00%	
62) Terphenyl-d14	0.00	244	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Pyridine	0.00	79	0	N.D.	
3) N-nitroso-dimethyl amine	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	0.00	45	0	N.D.	
16) 3&4-Methylphenol	0.00	108	0	N.D.	
17) N-Nitroso-di-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

24474.D NP103001.M Fri Nov 09 15:11:14 2001

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Quantitation Report

(QT Reviewed)

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 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Nov 3 4:29 2001

Vial: 14
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Last Update : Fri Nov 02 16:41:16 2001
 Response via : Initial Calibration
 DataAcq Meth : NP103001

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	0.00	128	0	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.		
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-Chlorophenyl-phenylether	0.00	204	0	N.D.		
47) Fluorene	0.00	166	0	N.D.		
48) Azobenzene/ 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	168	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	25.01	178	710	N.D.		
56) Anthracene	25.01	178	710	N.D.		
57) Di-n-butylphthalate	27.02	149	2676	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	33.06	228	3225	N.D.		
66) Bis(2-ethylhexyl)phthalate	33.32	149	2514	N.D.		
67) Chrysene	33.06	228	3225	N.D.		
69) Di-n-Octylphthalate	0.00	149	0	N.D.		
70) Benzo(b)fluoranthene	0.00	252	0	N.D.		

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

24474.D NP103001.M Fri Nov 09 15:11:19 2001

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Quantitation Report (QT Reviewed)

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 Acq On : 3 Nov 2001 3:41 am
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Nov 3 4:29 2001

Vial: 14
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Results File: NP103001.RES

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Last Update : Fri Nov 02 16:41:16 2001
 Response via : Initial Calibration
 DataAcq Meth : NP103001

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
71) Benzo(k)fluoranthene	0.00	252	0	N.D.	
72) Benzo(a)pyrene	37.15	252	3311	N.D.	
73) Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
74) Dibenzo(a,h)anthracene	0.00	278	0	N.D.	
75) Benzo(g,h,i)perylene	0.00	276	0	N.D.	

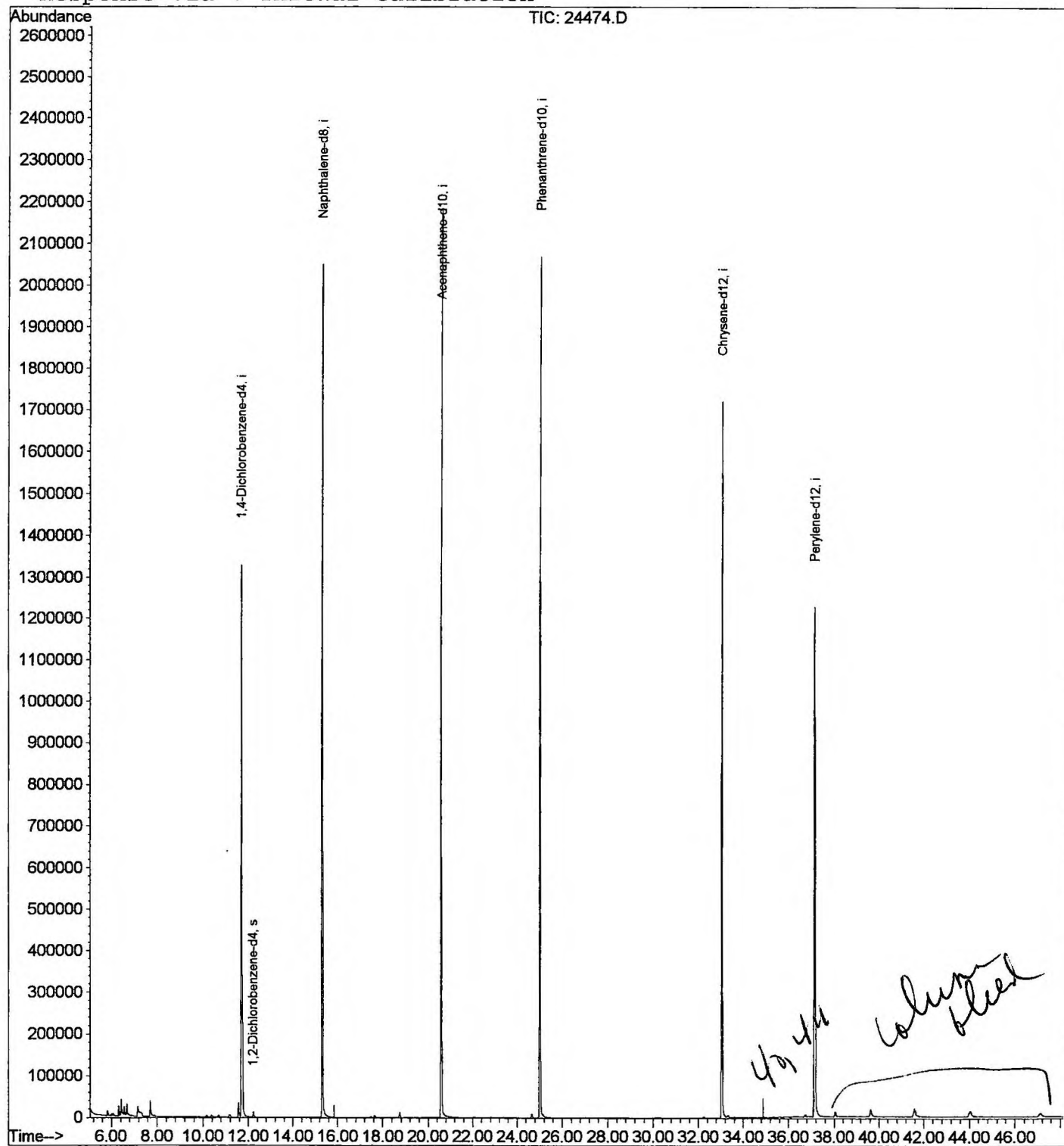
Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV0201\24474.D
Acq On : 3 Nov 2001 3:41 am
Sample : gc/ms unknown
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 3 4:29 2001

Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Results File: NP103001.RES

Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Fri Nov 02 16:41:16 2001
Response via : Initial Calibration



Fri Nov 09 15:11:25 2001

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LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\NOV0201\24474.D
 Acq On : 3 Nov 2001 3:41 am
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

Vial: 14
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\NP103001.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

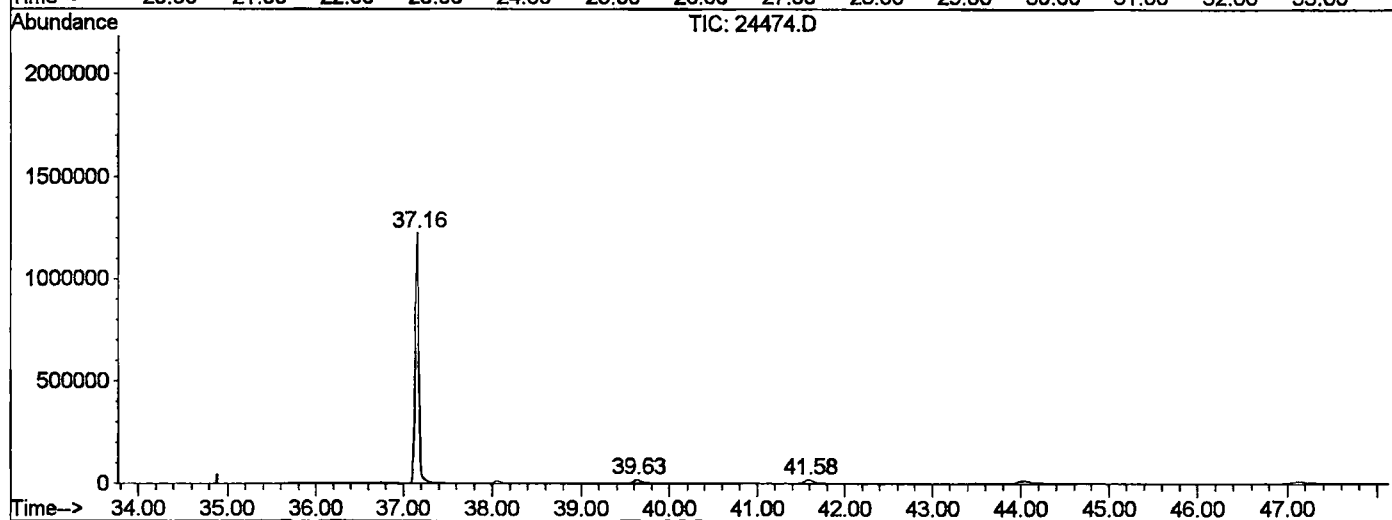
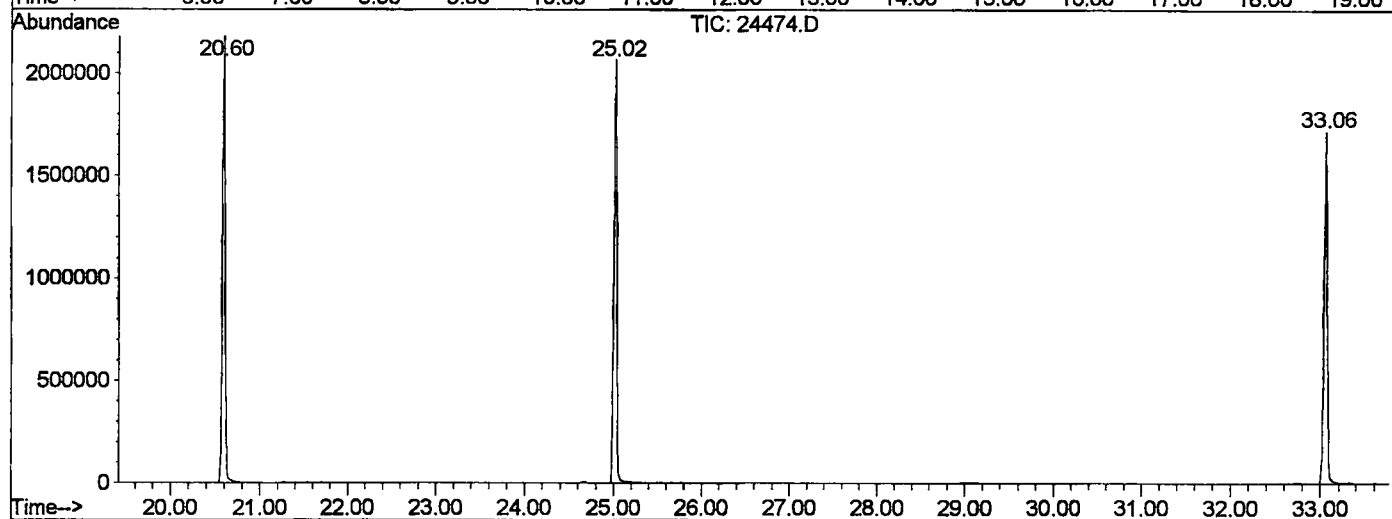
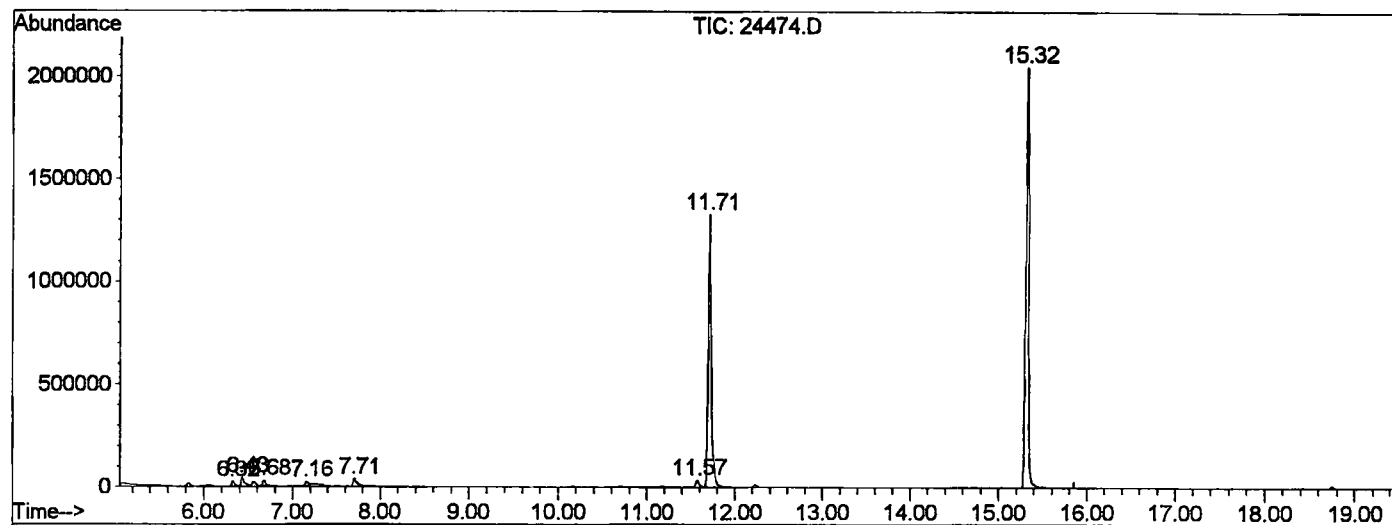
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	6.323	136	139	146	rBV	23925	50513	1.07%	0.201%
2	6.433	146	151	162	rVV	40229	105746	2.25%	0.422%
3	6.681	174	178	185	rVV2	25555	54449	1.16%	0.217%
4	7.158	226	230	234	rBV2	22504	55855	1.19%	0.223%
5	7.709	286	290	302	rBV	37711	107686	2.29%	0.430%
6	11.574	707	711	720	rBV	34580	86196	1.83%	0.344%
7	11.711	720	726	746	rVV	1327376	3226336	68.60%	12.869%
8	15.319	1113	1119	1136	rBV	2048862	4474357	95.14%	17.847%
9	20.598	1687	1694	1714	rBV	2183429	4703018	100.00%	18.759%
10	25.023	2169	2176	2187	rBV	2068735	4508022	95.85%	17.982%
11	33.056	3043	3051	3071	rBV2	1720671	4046032	86.03%	16.139%
12	37.159	3488	3498	3515	rBV2	1224642	3455332	73.47%	13.783%
13	39.629	3755	3767	3778	rBV3	18050	87078	1.85%	0.347%
14	41.584	3968	3980	3993	rBV3	18026	109514	2.33%	0.437%

Sum of corrected areas: 25070134

24474.D NP103001.M Tue Nov 13 10:07:52 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV0201\24474.D
 Operator : 209 GALOS
 Acquired : 3 Nov 2001 3:41 am using AcqMethod NP103001
 Instrument : GC/MS 209
 Sample Name: gc/ms unknown
 Misc Info :
 Vial Number: 14
 Quant File :NP103001.RES (RTE Integrator)



24474.D NP103001.M Tue Nov 13 10:07:55 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV0201\24474.D
Acq On : 3 Nov 2001 3:41 am
Sample : gc/ms unknown
Misc :
MS Integration Params: LSCINT.P

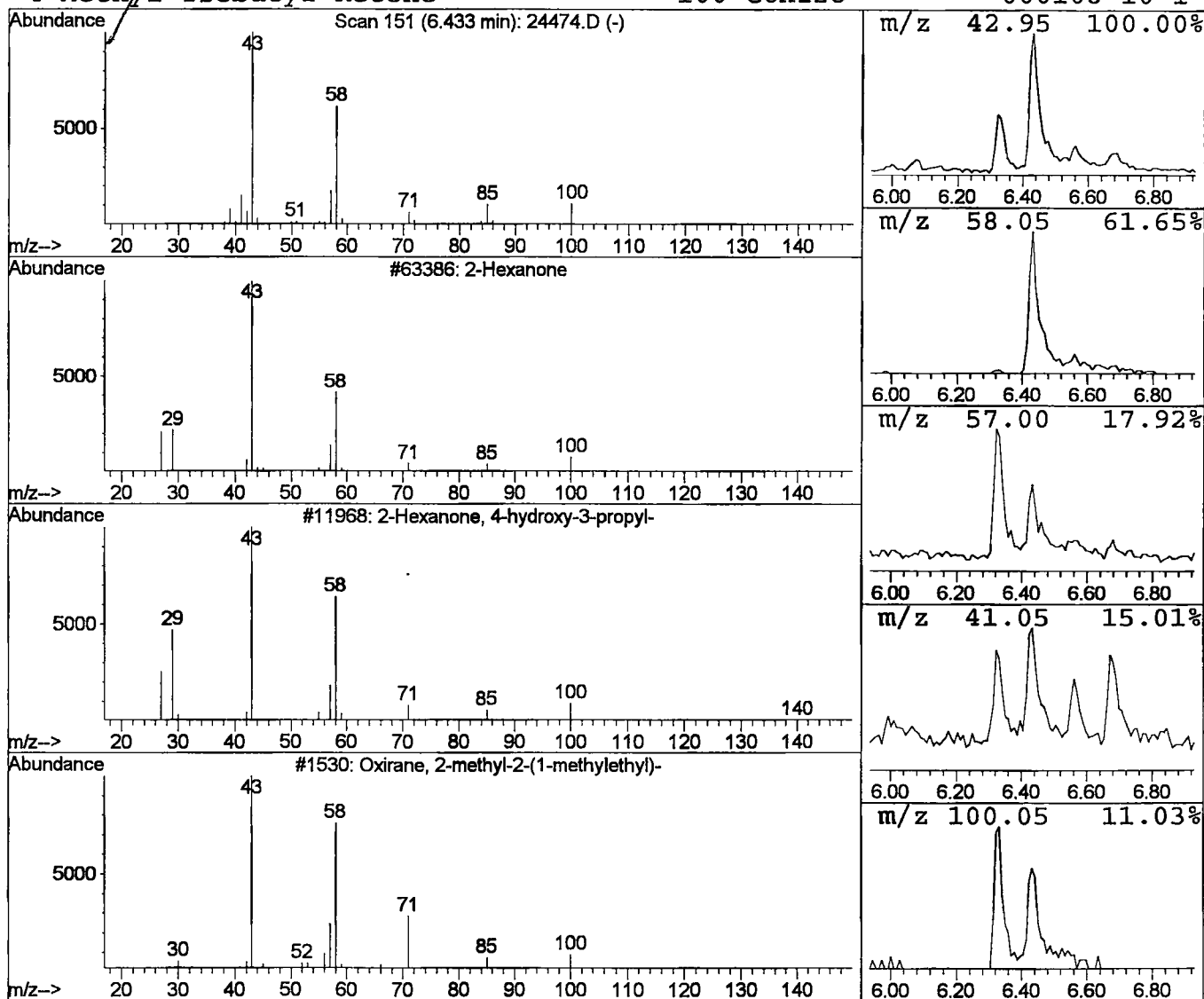
Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

Peak Number 1 2-Hexanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	0.66 ug/l	105746	1,4-Dichlorobenzene-d4	11.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Hexanone	100	C6H12O	000591-78-6	80
2			2-Hexanone, 4-hydroxy-3-propyl-	158	C9H18O2	062338-17-4	72
3			Oxirane, 2-methyl-2-(1-methylethyl)	100	C6H12O	072221-03-5	72
4			Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	58



Library Search Compound Report

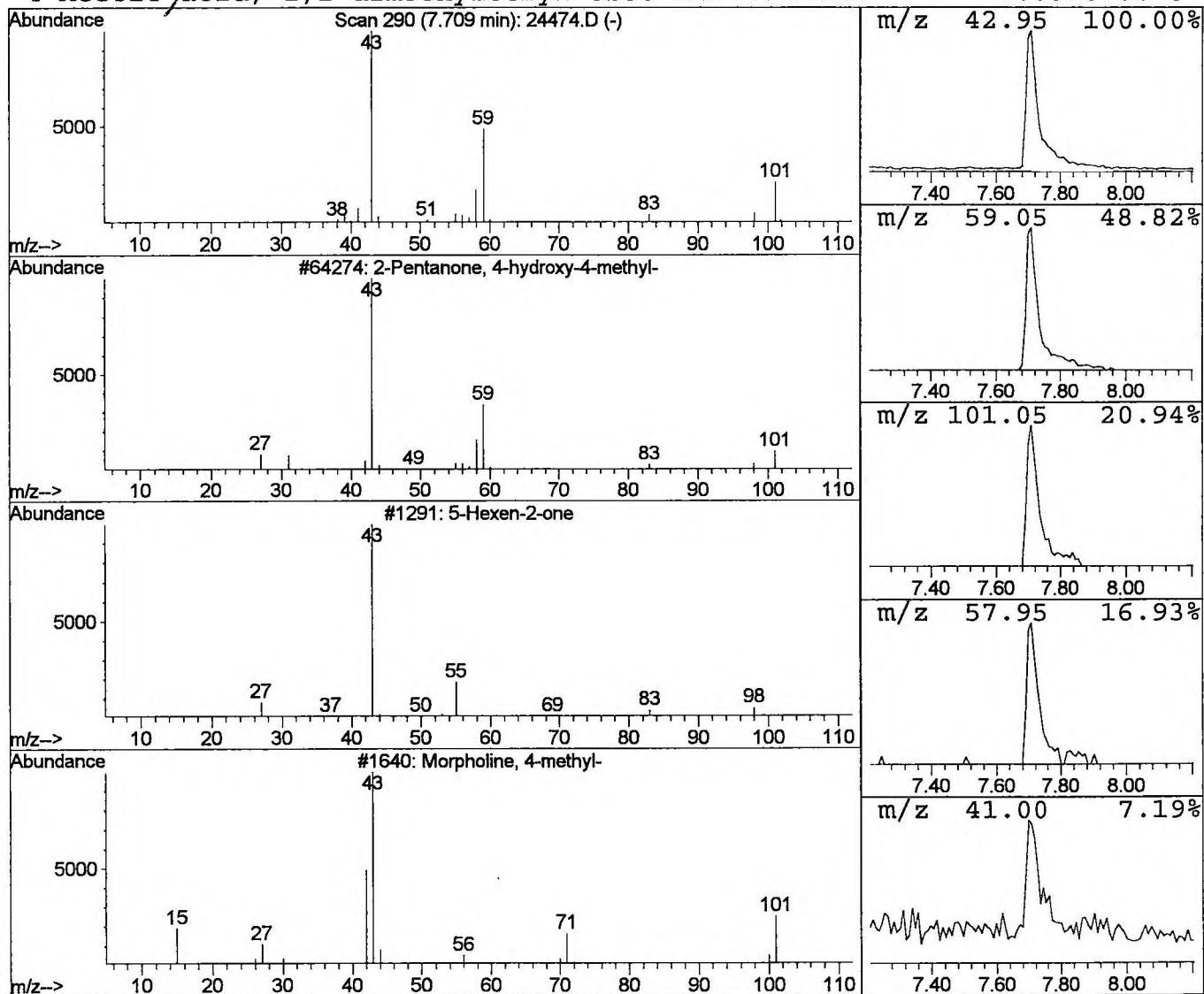
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 Acq On : 3 Nov 2001 3:41 am
 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

Vial: 14
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 2 2-Pentanone, 4-hydroxy-4-methyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.71	0.67 ug/l	107686	1,4-Dichlorobenzene-d4	11.71	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetic acid, 1,1-dimethylethyl este	116	C6H12O2	000540-88-5	9



Library Search Compound Report

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 Sample : gc/ms unknown
 Misc :
 MS Integration Params: LSCINT.P

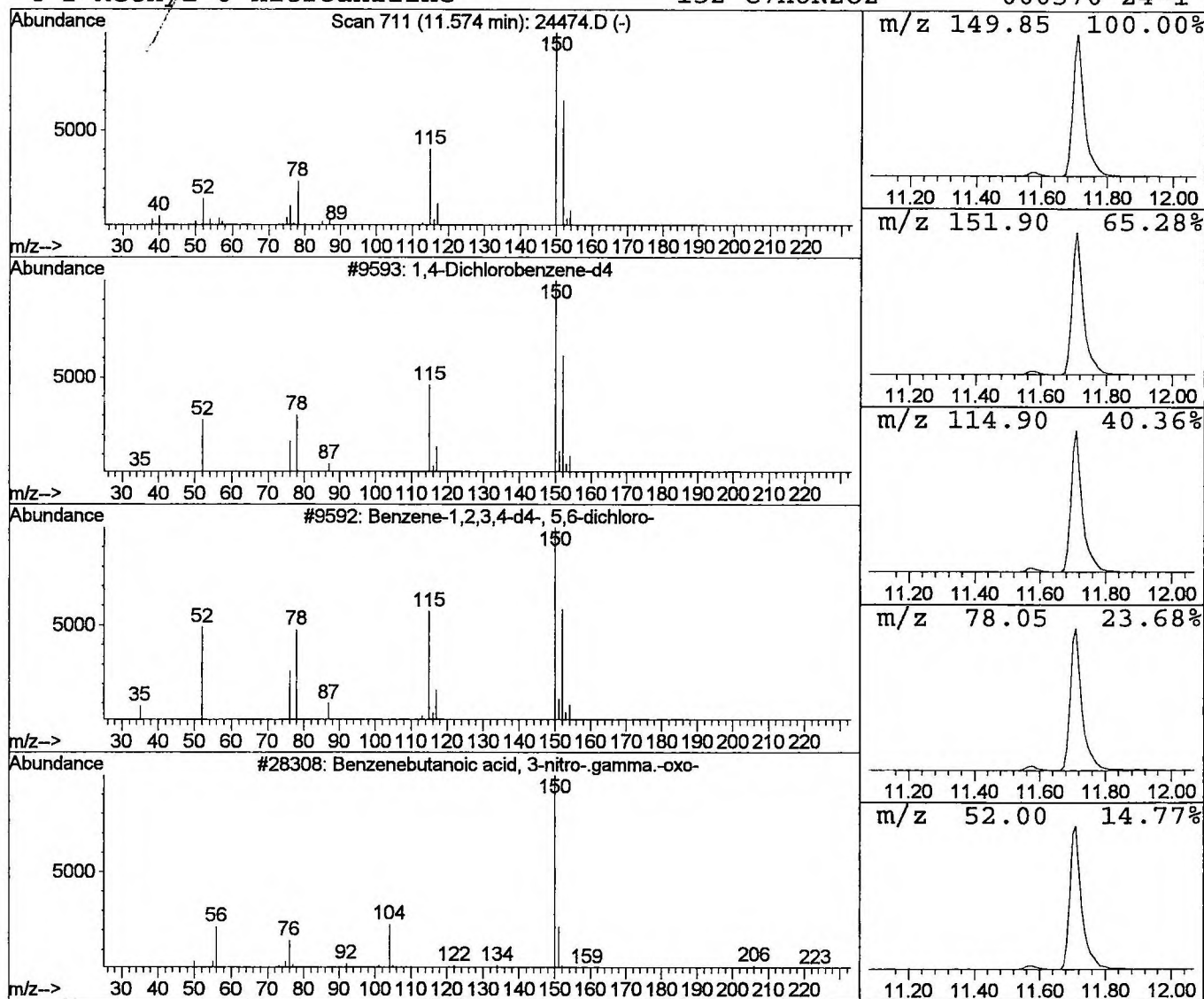
Vial: 14
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
 Title : 209 625/TCLP calibration table
 Library : C:\DATABASE\NBS75K.L

 Peak Number 3 1,4-Dichlorobenzene-d4 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	0.53 ug/l	86196	1,4-Dichlorobenzene-d4	11.71

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Dichlorobenzene-d4	150	C6Cl2D4	003855-82-1	72
2			Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	40
3			Benzenebutanoic acid, 3-nitro-.gamm	223	C10H9NO5	006328-00-3	12
4			2-Methyl-6-nitroaniline	152	C7H8N2O2	000570-24-1	9



Library Search Compound Report

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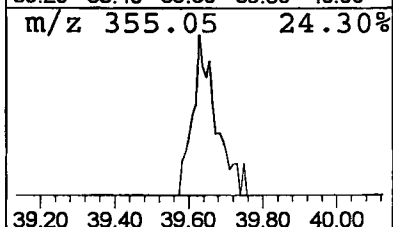
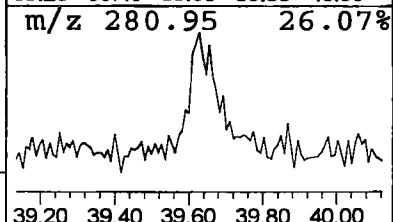
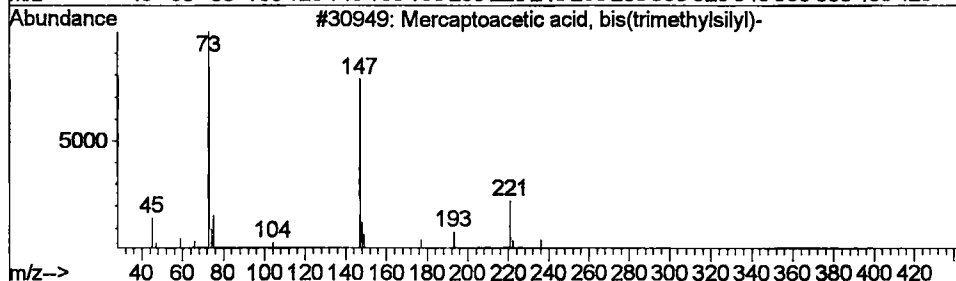
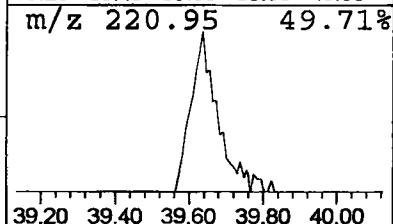
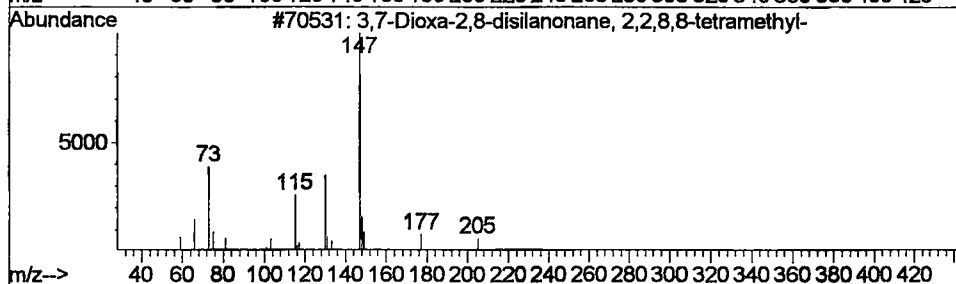
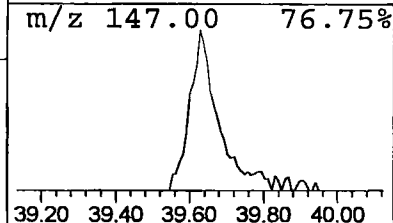
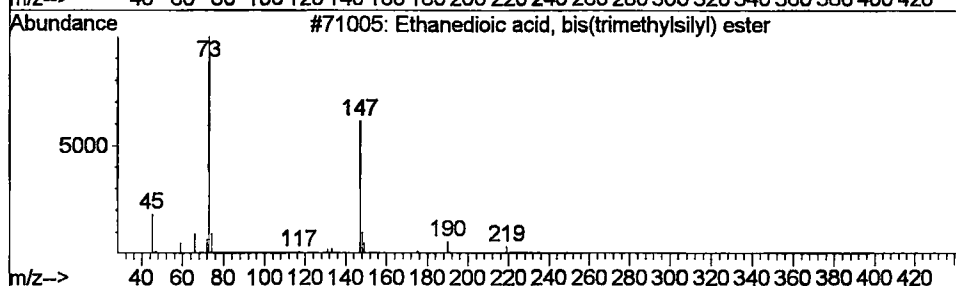
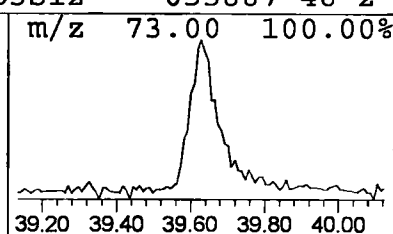
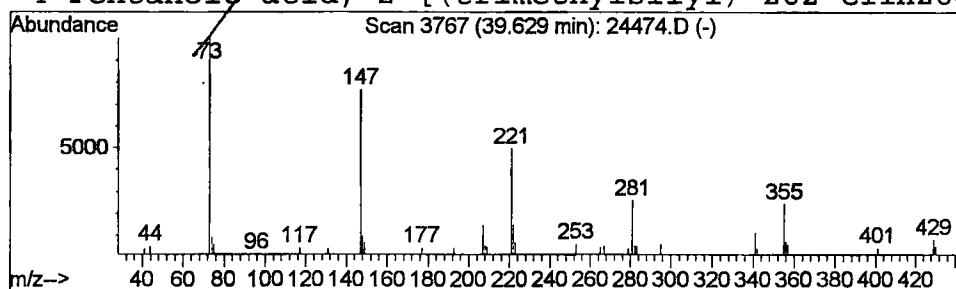
Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

Peak Number 4 Ethanedioic acid, bis(trimethy Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
39.63	0.50 ug/l	87078	Perylene-d12	37.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanedioic acid, bis(trimethylsilyl	234	C8H18O4Si2	018294-04-7	35
2			3,7-Dioxa-2,8-disilanonane, 2,2,8,8	220	C9H24O2Si2	017887-80-8	35
3			Mercaptoacetic acid, bis(trimethyls	236	C8H20O2SSi2	006398-62-5	32
4			Pentanoic acid, 2-[(trimethylsilyl)	262	C11H26O3Si2	055887-46-2	25



Library Search Compound Report

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Misc :
MS Integration Params: LSCINT.P

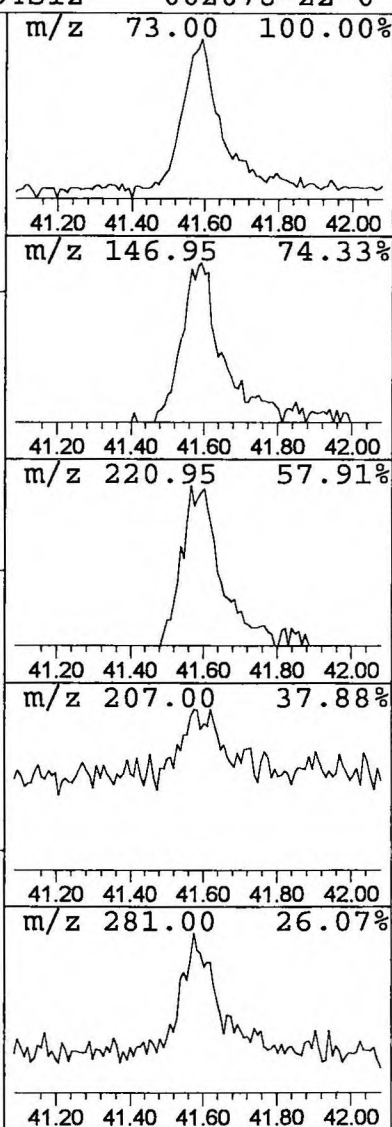
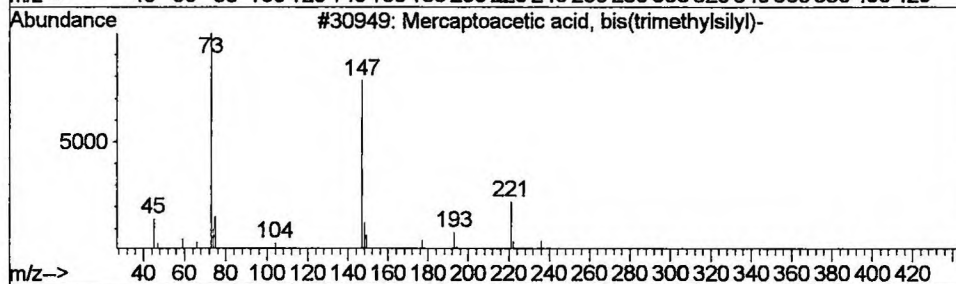
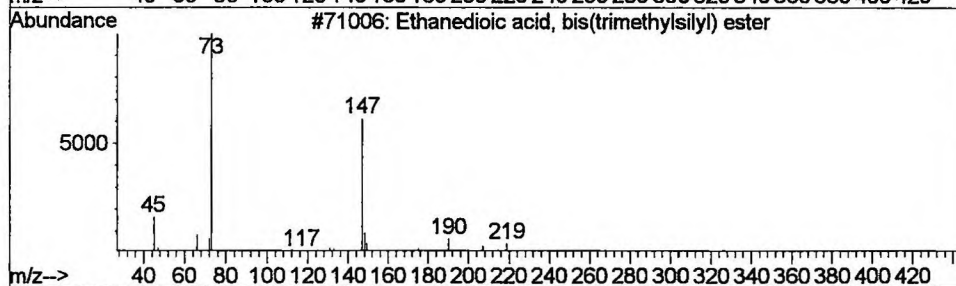
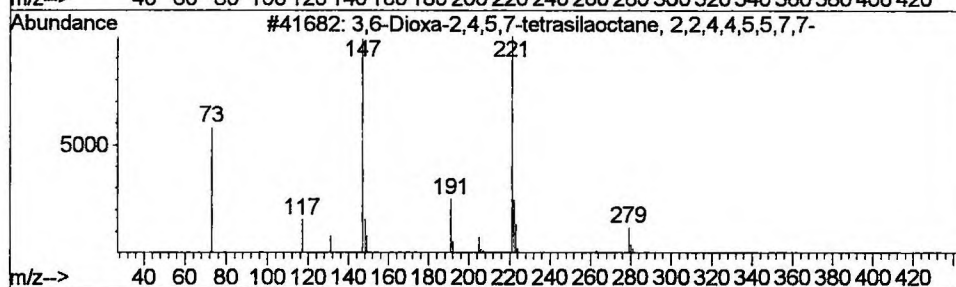
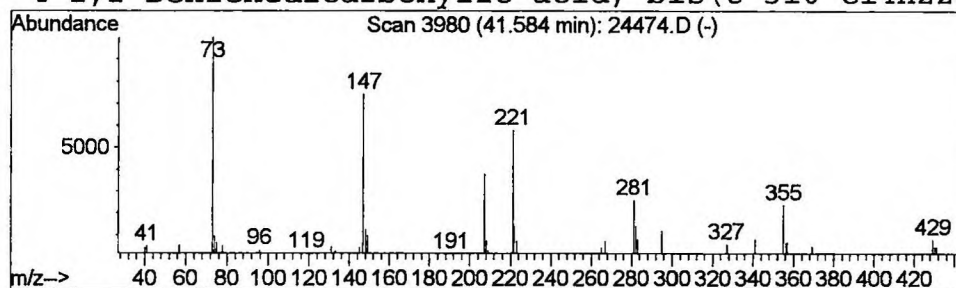
Vial: 14
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\NP103001.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
41.58	0.63 ug/l	109514	Perylene-d12	37.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,6-Dioxa-2,4,5,7-tetrasilaoctane,	294	C10H30O2Si4	004342-25-0	40
2			Ethanedioic acid, bis(trimethylsilyl)	234	C8H18O4Si2	018294-04-7	27
3			Mercaptoacetic acid, bis(trimethylsilyl)	236	C8H20O2SSi2	006398-62-5	23
4			1,2-Benzenedicarboxylic acid, bis(t	310	C14H22O4Si2	002078-22-0	17



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 3 Nov 2001 3:41 am
 Data File: C:\HPCHEM\1\DATA\NOV0201\24474.D
 Name: gc/ms unknown
 Misc:
 Method: C:\HPCHEM\1\METHODS\NP103001.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
2-Hexanone	6.43	0.7	ug/l	105746	ISTD01	11.71	3226340	20.0
2-Pentanone, 4-hydro	7.71	0.7	ug/l	107686	ISTD01	11.71	3226340	20.0
1,4-Dichlorobenzene-	11.57	0.5	ug/l	86196	ISTD01	11.71	3226340	20.0
Ethanedioic acid, bi	39.63	0.5	ug/l	87078	ISTD06	37.16	3455330	20.0
3,6-Dioxa-2,4,5,7-te	41.58	0.6	ug/l	109514	ISTD06	37.16	3455330	20.0

24474.D NP103001.M Tue Nov 13 10:08:11 2001