

Comments for Sample AD28475 - Analysis \$GCMS

Westchester Dept. of Labs & Research

User: Vinci, David L

Date: 12-07-2001 Time: 14:19:53

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

The recovery for the Surrogate Standard in this sample was 84%. Recoveries for 16 of the 44 compounds in the LCS Standard were outside of their acceptance ranges.

NOT DEP

Quantitation Report

(QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28475.D

Acq On : 29 Nov 2001 11:22 pm

Sample : 11/23 scan

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 30 14:45 2001

Vial: 38

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

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	11.69	152	894445	20.00	ug/l	0.00
15) Naphthalene-d8	15.30	136	3371052	20.00	ug/l	0.00
26) Acenaphthene-d10	20.57	164	1603365	20.00	ug/l	0.00
42) Phenanthrene-d10	25.00	188	2249572	20.00	ug/l	0.00
53) Chrysene-d12	33.03	240	1228753	20.00	ug/l	0.00
59) Perylene-d12	37.11	264	796941	20.00	ug/l	0.00

System Monitoring Compounds

52) 2,4-DDD	30.07	235	111877	4.18	ug/mL	0.00
Spiked Amount	5.000		Recovery	=	83.60%	

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	521	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

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\NOV2901\28475.D

Acq On : 29 Nov 2001 11:22 pm

Sample : 11/23 scan

Misc :

MS Integration Params: RTEINT.P

Quant Time: Nov 30 14:45 2001

Vial: 38

Operator: 209 GALOS

Inst : GC/MS 209

Multiplr: 1.00

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

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	21.23	165	173	N.D.		
38) Diethylphthalate	0.00	149	0	N.D.		
39) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
40) Fluorene	0.00	166	0	N.D.		
41) Azobenzene/ 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	689	N.D.		
49) Anthracene	25.00	178	689	N.D.		
50) Di-n-butylphthalate	27.01	149	4014	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	2919	N.D.		
57) Bis(2-ethylhexyl)phthalate	33.30	149	4947	N.D.		
58) Chrysene	33.02	228	2919	N.D.		
60) Di-n-Octylphthalate	0.00	149	0	N.D.		
61) Benzo(b)fluoranthene	0.00	252	0	N.D.		
62) Benzo(k)fluoranthene	0.00	252	0	N.D.		
63) Benzo(a)pyrene	37.11	252	3189	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

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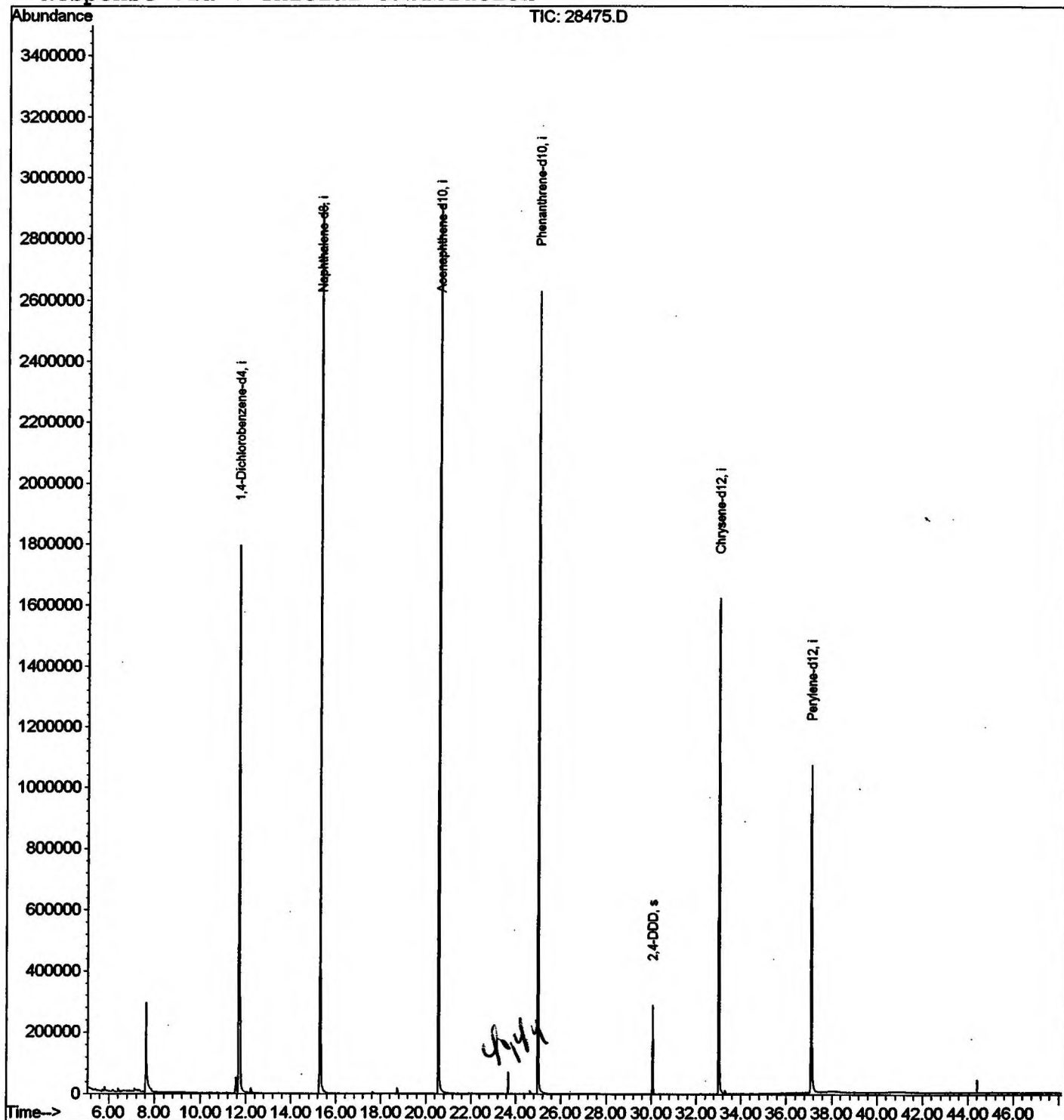
Quantitation Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28475.D
 Acq On : 29 Nov 2001 11:22 pm
 Sample : 11/23 scan
 Misc :
 MS Integration Params: RTEINT.P
 Quant Time: Nov 30 14:45 2001

Vial: 38
 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\28475.D
 Acq On : 29 Nov 2001 11:22 pm
 Sample : 11/23 scan
 Misc :
 MS Integration Params: LSCINT.P

Vial: 38
 Operator: 209 GALOS
 Inst : GC/MS 209
 Multiplr: 1.00

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

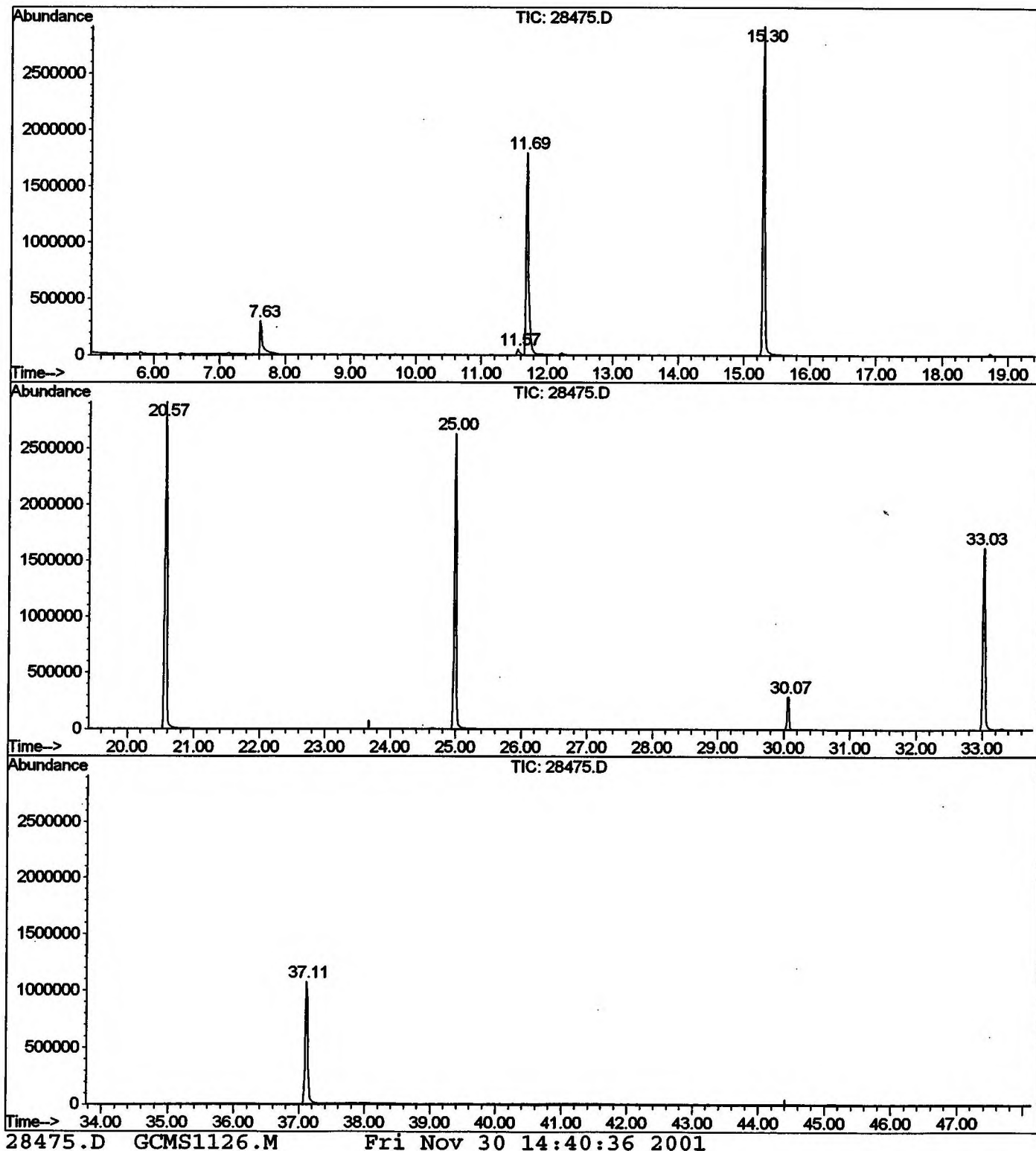
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.627	277	281	314	rBV	289607	862087	13.55%	2.754%
2	11.565	706	710	719	rBV	50283	123961	1.95%	0.396%
3	11.694	719	724	744	rBV	1790709	4678155	73.54%	14.945%
4	15.302	1111	1117	1135	rBV	2913504	6203243	97.51%	19.817%
5	20.571	1685	1691	1714	rBV	2909760	6361511	100.00%	20.323%
6	24.996	2166	2173	2186	rBV	2628723	5646897	88.77%	18.040%
7	30.073	2719	2726	2736	rBV	287696	601230	9.45%	1.921%
8	33.029	3041	3048	3064	rBV2	1620515	3919164	61.61%	12.520%
9	37.114	3486	3493	3512	rBV2	1068048	2906389	45.69%	9.285%

Sum of corrected areas: 31302637

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LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\NOV2901\28475.D
 Operator : 209 GALOS
 Acquired : 29 Nov 2001 11:22 pm using AcqMethod GCMS1126
 Instrument : GC/MS 209
 Sample Name: 11/23 scan
 Misc Info :
 Vial Number: 38
 Quant File :GCMS1126.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\NOV2901\28475.D
Acq On : 29 Nov 2001 11:22 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

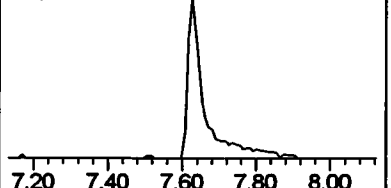
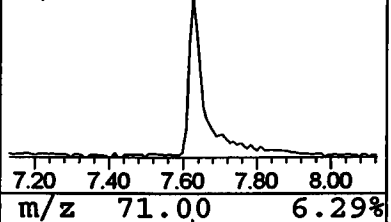
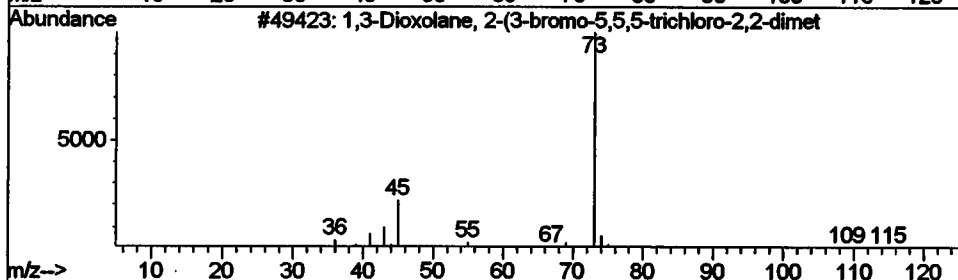
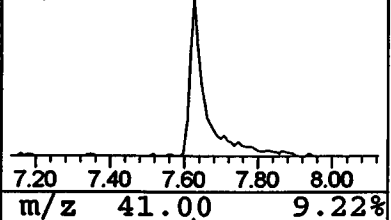
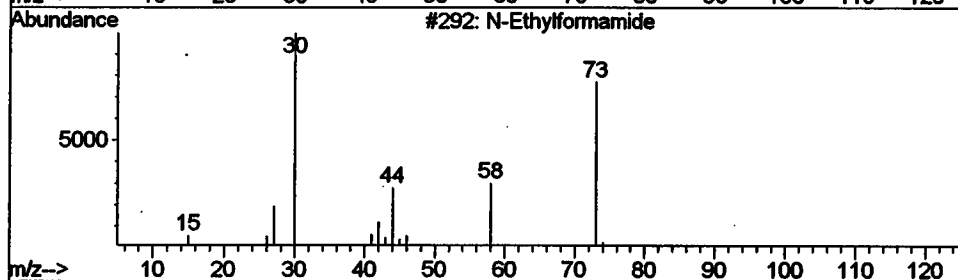
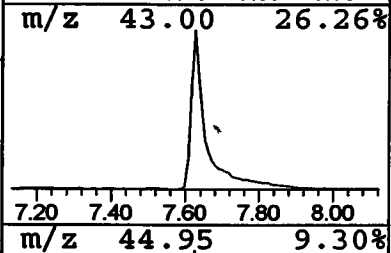
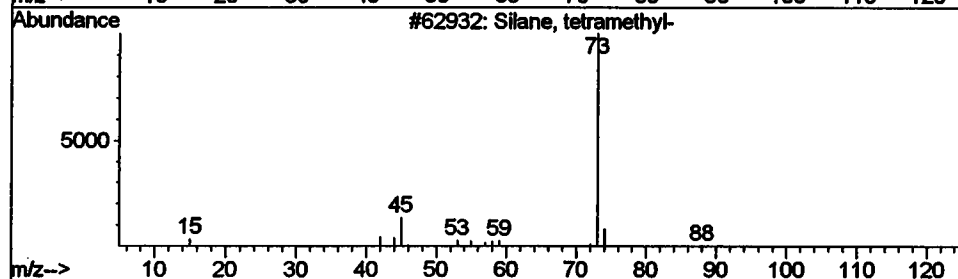
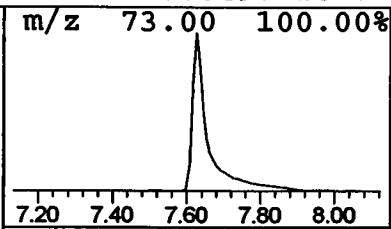
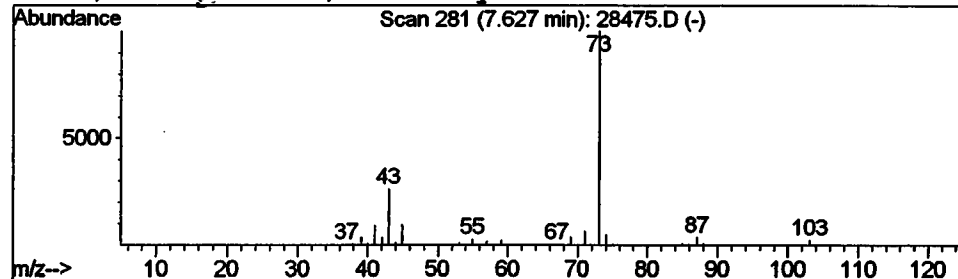
Vial: 38
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

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

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.63	3.69 ug/l	862087	1,4-Dichlorobenzene-d4	11.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
2			N-Ethylformamide	73	C3H7NO	000627-45-2	9
3			1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	7



Library Search Compound Report

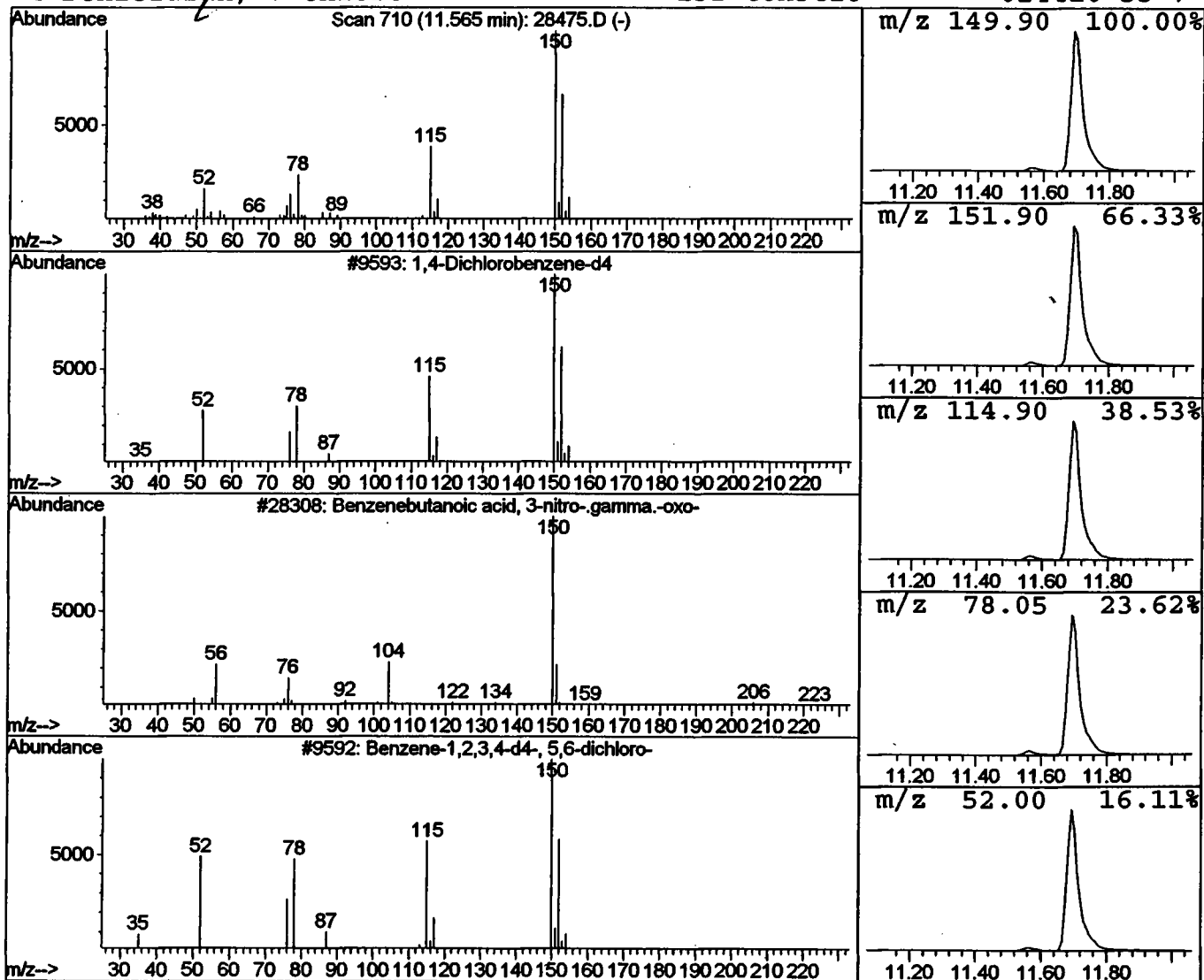
Data File : C:\HPCHEM\1\DATA\NOV2901\28475.D
Acq On : 29 Nov 2001 11:22 pm
Sample : 11/23 scan
Misc :
MS Integration Params: LSCINT.P

Vial: 38
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 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.57	0.53 ug/l	123961	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		Benzenebutanoic acid, 3-nitro-.gamm	223	C10H9NO5	006328-00-3	12
3		Benzene-1,2,3,4-d4-, 5,6-dichloro-	150	C6Cl2D4	002199-69-1	10
4		Benzofuran, 7-chloro-	152	C8H5ClO	024410-55-7	9



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 29 Nov 2001 11:22 pm
Data File: C:\HPCHEM\1\DATA\NOV2901\28475.D
Name: 11/23 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
Silane, tetramethyl-	7.63	3.7	ug/l	862087	ISTD01	11.69	4678160	20.0
1,4-Dichlorobenzene-	11.57	0.5	ug/l	123961	ISTD01	11.69	4678160	20.0

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