Comments for Sample AD28971 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-15-2001 Time: 09:17:24

A GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. Recoveries for 5 of the 43 compounds in the LCS Standard were above their acceptance ranges.

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/15/2001 Time: 09:16:54

Sample: AD28971
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/15/01 09:15 Ended: 12/15/01 09:15 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Sum 1-1 PDL	USPFC	1909		0.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D Vial: 16
Acq On : 8 Dec 2001 5:34 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:52 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	11.68	152	882413	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3364730	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1691126	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	2451686	20.00	ug/l	-0.01
38) Chrysene-d12	33.01	240	1692618	20.00	ug/l	-0.02
44) Perylene-d12	37.11	264	1164932	20.00	ug/l	-0.01
System Monitoring Compounds						
37) 2,4-DDD	30.06	235	159336	5.46	ug/mL	-0.01
Spiked Amount 5.000			Recovery =	109.20%		
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	0.00	74	0	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	12.96	77	355	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	15.34	128	813	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	21.10	165	365	N.D.		
25) Diethylphthalate	22.08	149	1036	N.D.		
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	23.08	77	311	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D Vial: 16
Acq On : 8 Dec 2001 5:34 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:52 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

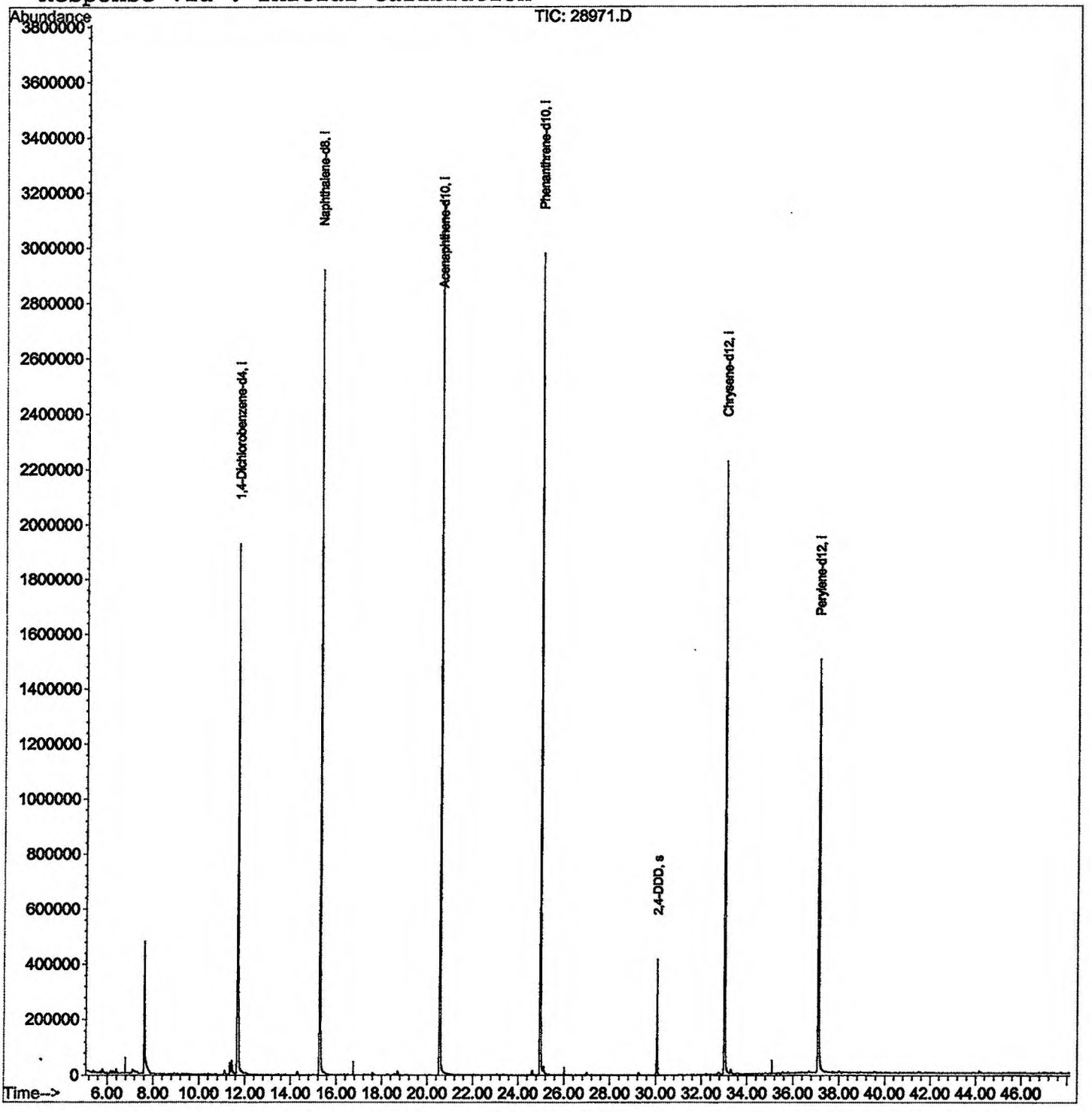
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	0.00	168	0	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	0.00	284	0	N.D.	
33)	Phenanthrene	24.99	178	630	N.D.	
34)	Anthracene	24.99	178	630	N.D.	
35)	Di-n-butylphthalate	26.99	149	12162	N.D.	
36)	Fluoranthene	0.00	202	0	N.D.	
39)	Pyrene	0.00	202	0	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	33.01	228	4420	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.30	149	11724	N.D.	
43)	Chrysene	33.01	228	4420	N.D.	
45)	Di-n-Octylphthalate	35.32	149	201	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	37.11	252	4638	N.D.	
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	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\DEC0701\28971.D Vial: 16
Acq On : 8 Dec 2001 5:34 am Operator: 209 GALOS
Sample : 11/29 gc/ms scan Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 12 14:52 2001 Quant Results File: GCMS1126.RES

Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D Vial: 16
Acq On : 8 Dec 2001 5:34 am Operator: 209 GALOS
Sample : 11/29 gc/ms 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

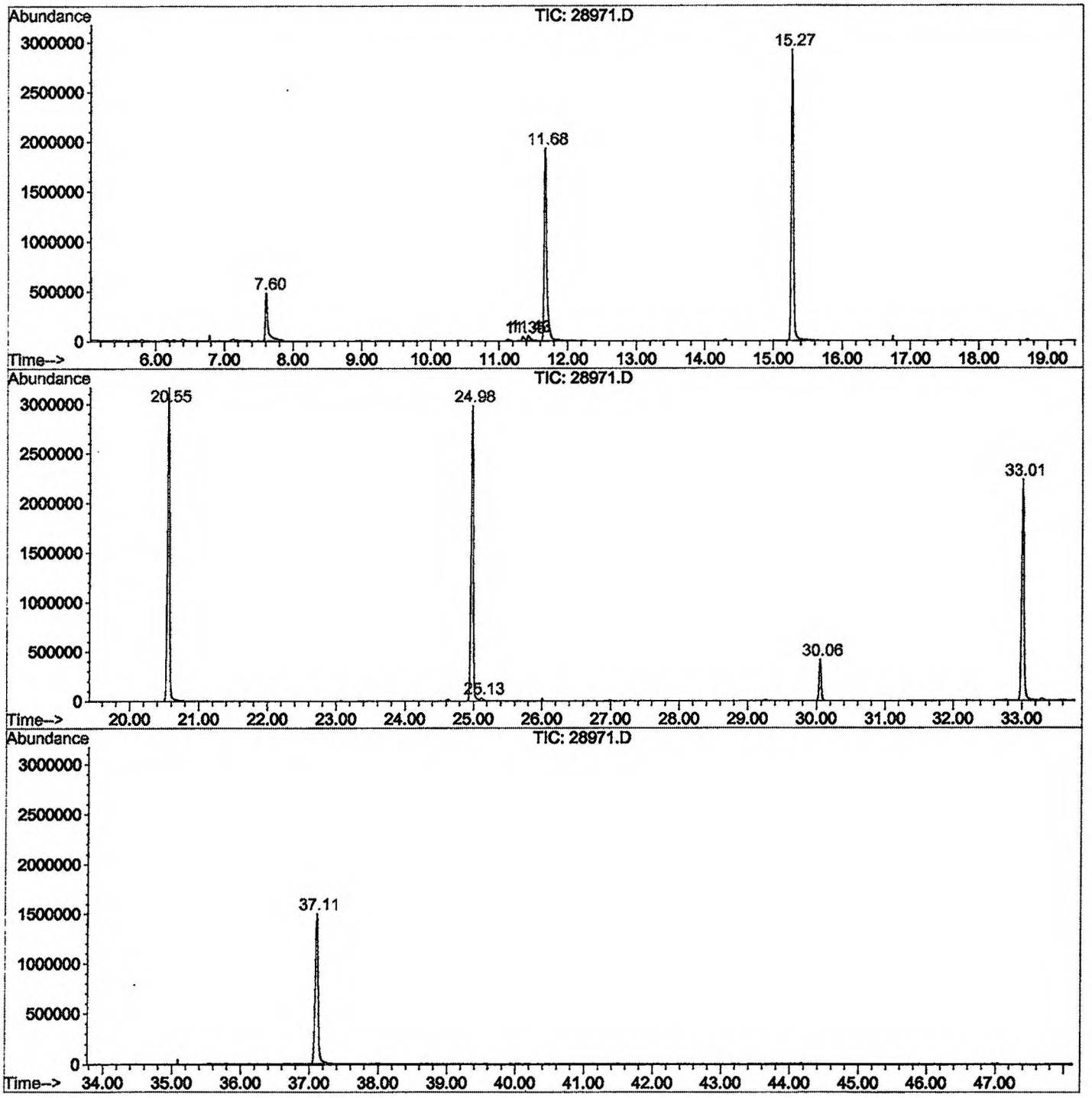
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.600	274	278	309	rBV	479105	1361222	19.79%	3.702%
2	11.355	683	687	692	rBV	43187	110234	1.60%	0.300%
3	11.428	692	695	703	rVB	47272	127801	1.86%	0.348%
4	11.676	716	722	739	rBV	1926256	4943536	71.89%	13.444%
5	15.275	1109	1114	1133	rBV	2917992	6299924	91.61%	17.133%
6	20.554	1683	1689	1708	rBV	3169311	6876900	100.00%	18.702%
7	24.978	2164	2171	2182	rBV2	2978772	6493846	94.43%	17.660%
8	25.125	2183	2187	2196	rVB	26741	77980	1.13%	0.212%
9	30.055	2718	2724	2734	rBV	417594	875957	12.74%	2.382%
10	33.011	3038	3046	3066	rBV2	2224928	5317477	77.32%	14.461%
11	37.106	3483	3492	3511	rBV2	1495804	4285907	62.32%	11.656%

Sum of corrected areas: 36770784

28971.D GCMS1126.M Thu Dec 13 10:30:33 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC0701\28971.D
Operator : 209 GALOS
Acquired : 8 Dec 2001 5:34 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: 11/29 gc/ms scan
Misc Info :
Vial Number: 16
Quant File :GCMS1126.RES (RTE Integrator)



28971.D GCMS1126.M Thu Dec 13 10:30:39 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D
Acq On : 8 Dec 2001 5:34 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

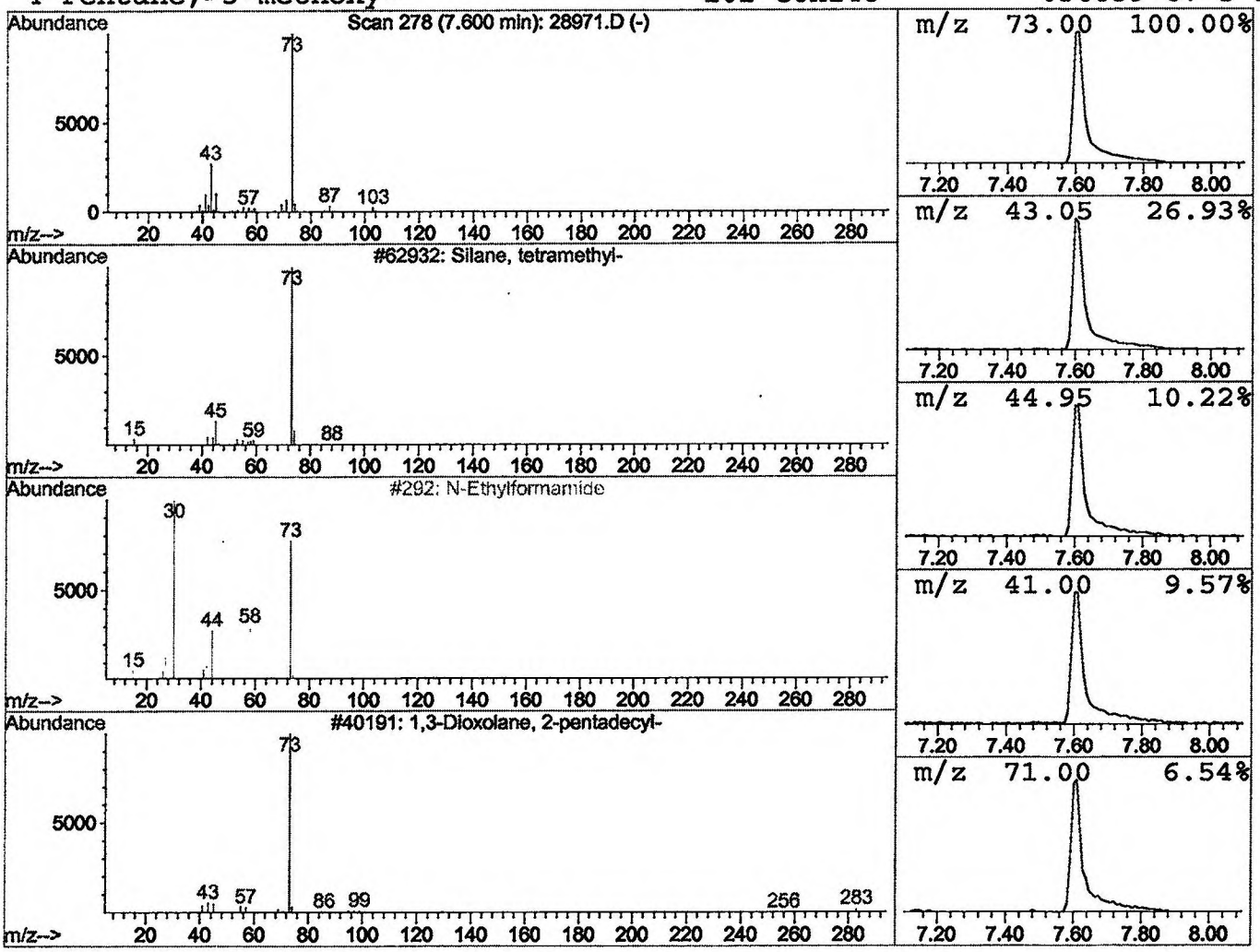
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	5.51 ug/l	1361220	1,4-Dichlorobenzene-d4	11.68

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	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D
Acq On : 8 Dec 2001 5:34 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

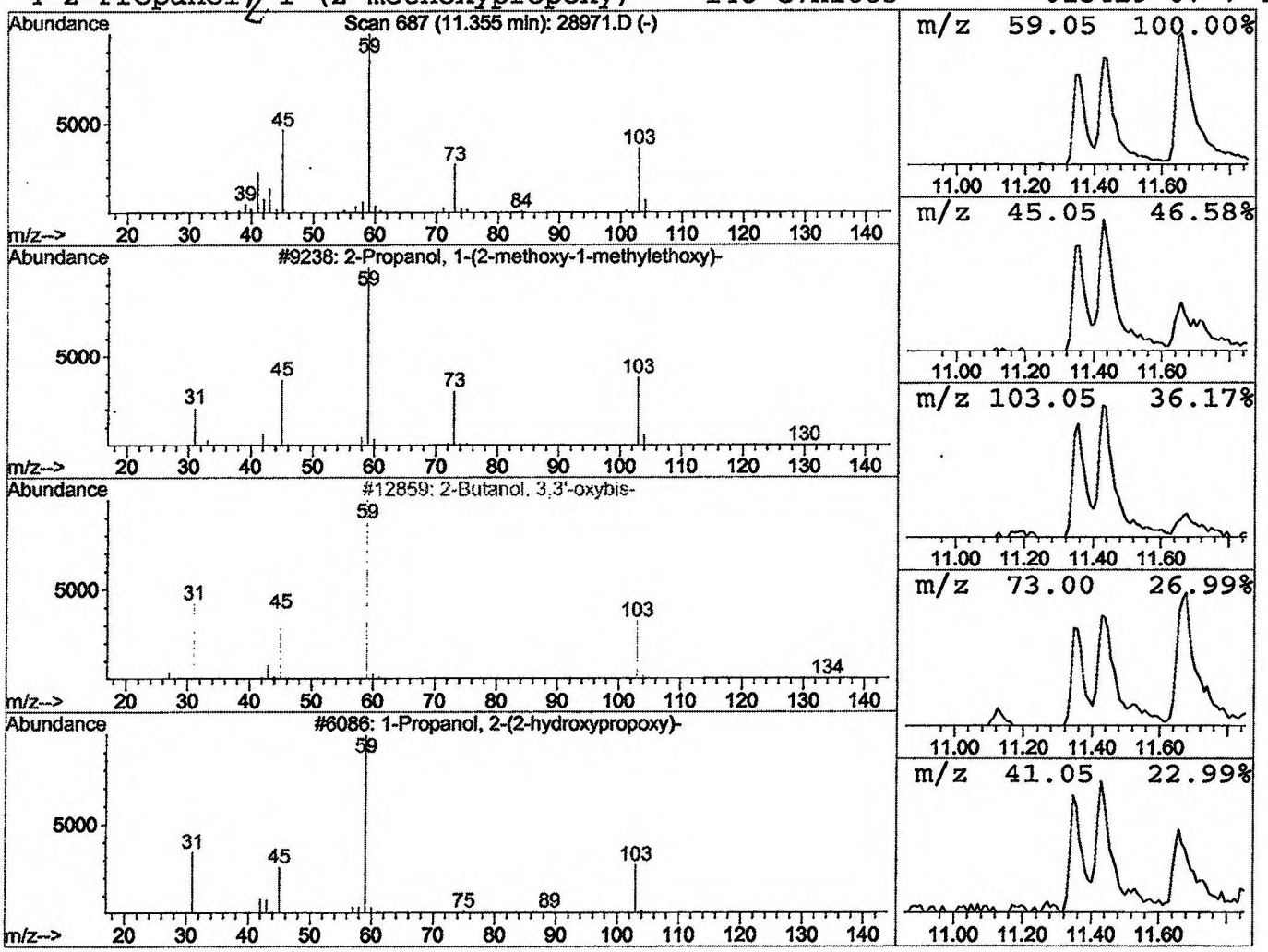
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	0.45 ug/l	110234	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	83
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	42
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC0701\28971.D
Acq On : 8 Dec 2001 5:34 am
Sample : 11/29 gc/ms scan
Misc :
MS Integration Params: LSCINT.P

Vial: 16
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

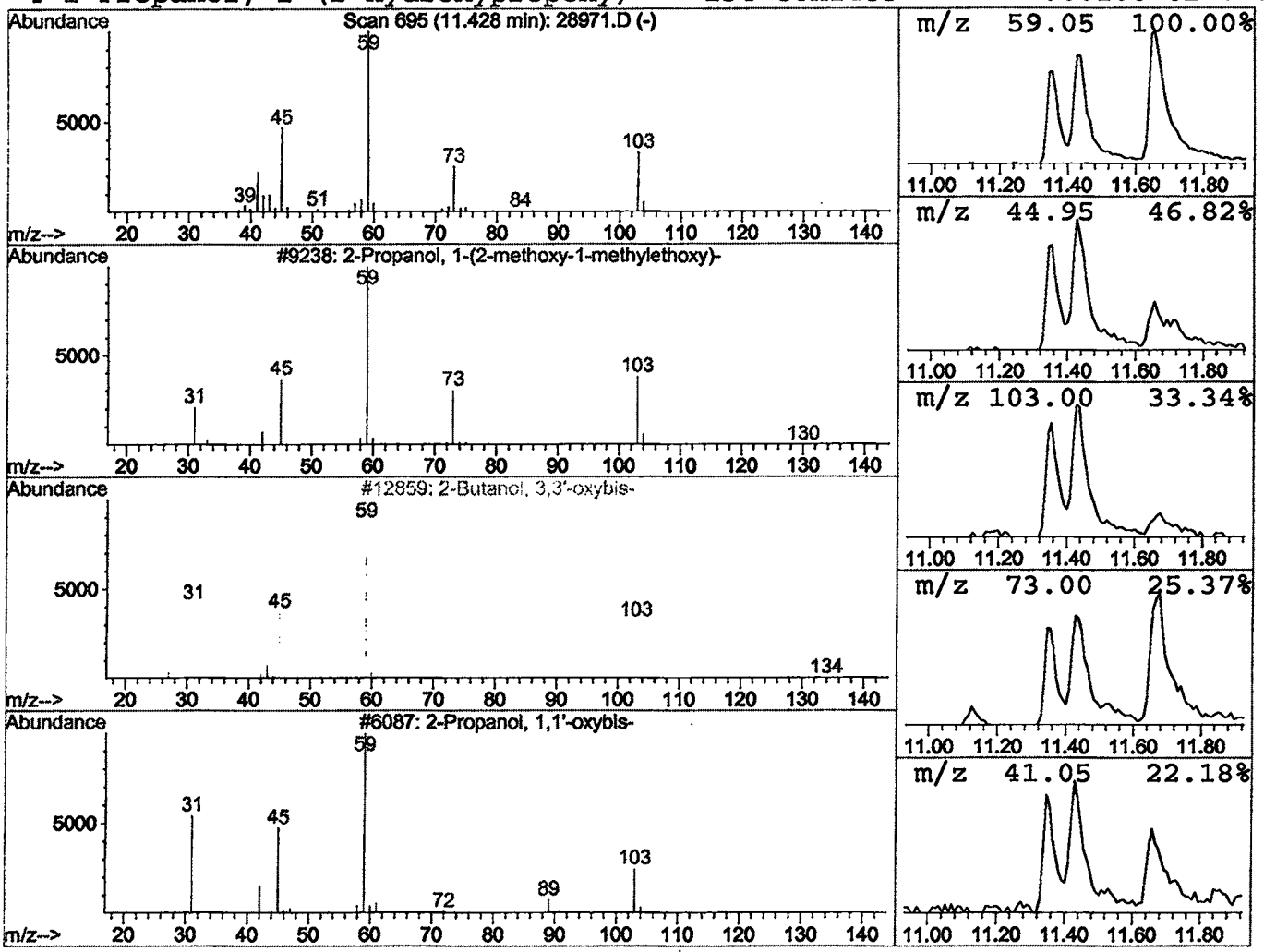
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.52 ug/l	127801	1,4-Dichlorobenzene-d4	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	72
2	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	64
3	2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	56
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	45



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 8 Dec 2001 5:34 am
Data File: C:\HPCHEM\1\DATA\DEC0701\28971.D
Name: 11/29 gc/ms 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-	7.60	5.5	ug/l	1361220	ISTD01	11.68	4943540	20.0
2-Propanol, 1-(2-met	11.35	0.4	ug/l	110234	ISTD01	11.68	4943540	20.0
2-Propanol, 1-(2-met	11.43	0.5	ug/l	127801	ISTD01	11.68	4943540	20.0

28971.D GCMS1126.M Thu Dec 13 10:30:58 2001