Comments for Sample AD29087 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 12-17-2001 Time: 12:53:16

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds, except for the presence of bis(2-Ethylhexyl)phthalate at an estimated level of 0.36 ug/L. It is also present in the Laboratory Blank at 0.39 ug/L.
Recovery for 1 of the 43 compounds in the LCS Standard was above its acceptance range

User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 12/17/2001 Time: 12:52:41

Sample: AD29087
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 12/17/01 12:52 Ended: 12/17/01 12:52 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		94		5.0

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\DEC1301\29087.D Vial: 15
Acq On : 13 Dec 2001 10:48 am Operator: 209 GALOS
Sample : gcms scan 11/30 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 13 14:41 2001 Quant Results File: GCMS1126.RES

Quant 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
DataAcq Meth : GCMS1126

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.67	152	992094	20.00	ug/l	-0.02
10) Naphthalene-d8	15.27	136	3809953	20.00	ug/l	-0.03
17) Acenaphthene-d10	20.55	164	1935495	20.00	ug/l	-0.02
29) Phenanthrene-d10	24.98	188	2772762	20.00	ug/l	-0.02
38) Chrysene-d12	33.01	240	1700978	20.00	ug/l	-0.02
44) Perylene-d12	37.09	264	1147384	20.00	ug/l	-0.02
System Monitoring Compounds						
37) 2,4-DDD	30.05	235	187652	4.68	ug/mL	-0.02
Spiked Amount 5.000			Recovery = 93.60%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.49	74	798	N.D.		
3) bis(2-Chloroethyl)ether	11.11	93	731	N.D.		
4) 1,3-Dichlorobenzene	11.59	146	422	N.D.		
5) 1,4-Dichlorobenzene	11.73	146	436	N.D.		
6) 1,2-Dichlorobenzene	12.23	146	313	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	13.48	77	364	N.D.		
12) Isophorone	14.06	82	948	N.D.		
13) bis(2-Chloroethoxy)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	15.16	180	331	N.D.		
15) Naphthalene	15.33	128	3245	N.D.		
16) Hexachlorobutadiene	15.89	225	202	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	18.85	162	566	N.D.		
20) Dimethylphthalate	19.96	163	1135	N.D.		
21) 2,6-Dinitrotoluene	20.12	165	342	N.D.		
22) Acenaphthylene	20.09	152	1183	N.D.		
23) Acenaphthene	20.64	153	1411	N.D.		
24) 2,4-Dinitrotoluene	21.41	165	117	N.D.		
25) Diethylphthalate	22.07	149	2643	N.D.		
26) 4-Chlorophenyl-phenylether	22.20	204	522	N.D.		
27) Fluorene	22.18	166	1262	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	22.70	77	1735	N.D.		

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

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Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS1126

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	22.72	168	191	N.D.	
31)	4-Bromophenyl-phenylether	0.00	248	0	N.D.	
32)	Hexachlorobenzene	24.08	284	351	N.D.	
33)	Phenanthrene	25.04	178	2683	N.D.	
34)	Anthracene	25.18	178	1632	N.D.	
35)	Di-n-butylphthalate	26.99	149	35278	N.D.	
36)	Fluoranthene	28.68	202	1539	N.D.	
39)	Pyrene	29.34	202	1839	N.D.	
40)	Butylbenzylphthalate	31.49	149	1605	N.D.	
41)	Benzo(a)anthracene	33.01	228	7882	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.28	149	37400	0.36 ug/l #	97
43)	Chrysene	33.08	228	4025	N.D.	
45)	Di-n-Octylphthalate	35.03	149	3697	N.D.	
46)	Benzo(b)fluoranthene	36.10	252	4816	N.D.	
47)	Benzo(k)fluoranthene	36.12	252	2852	N.D.	
48)	Benzo(a)pyrene	36.94	252	1163	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

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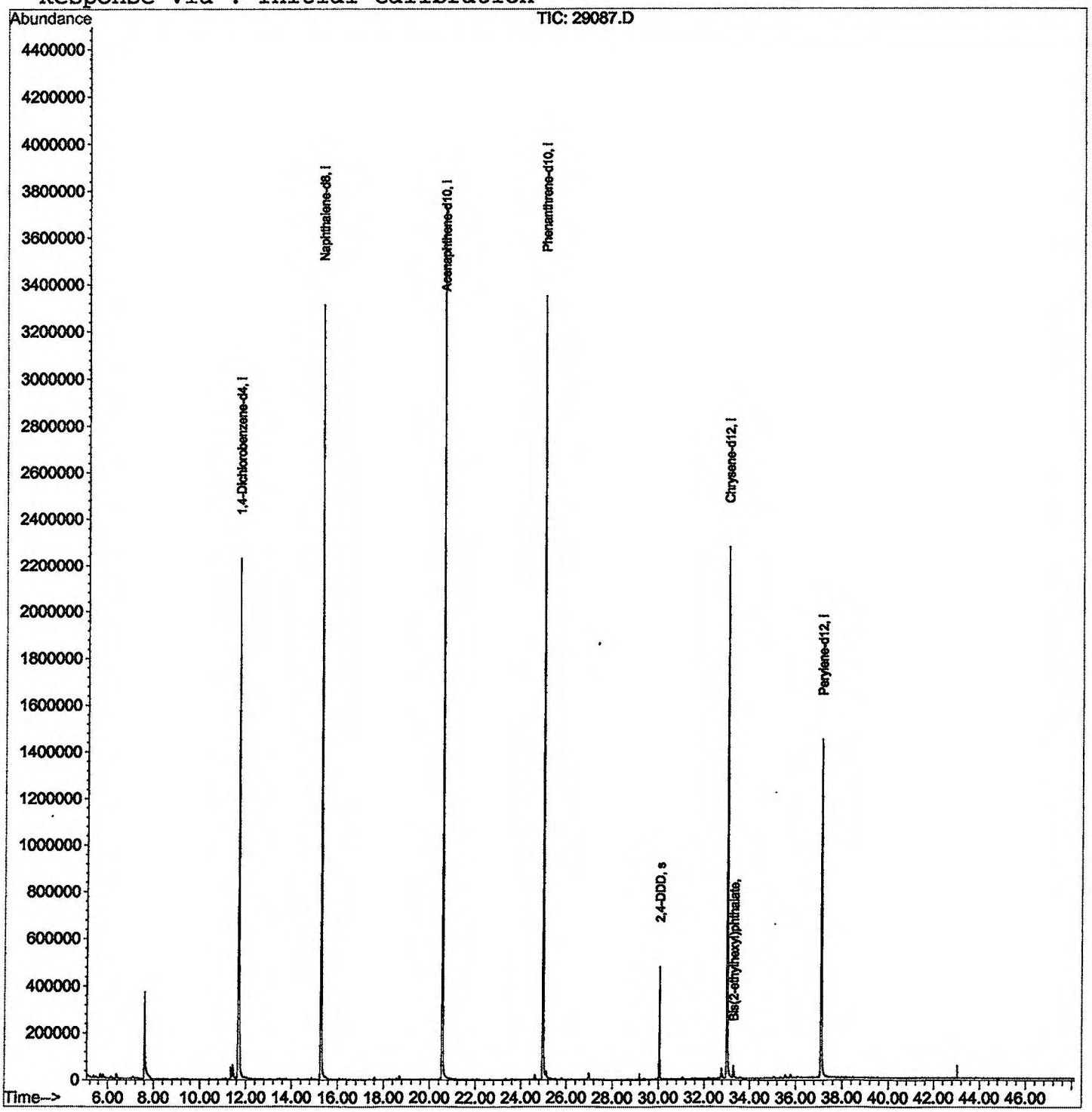
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 13 14:41 2001 Quant Results File: GCMS1126.RES

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\DEC1301\29087.D Vial: 15
Acq On : 13 Dec 2001 10:48 am Operator: 209 GALOS
Sample : gcms scan 11/30 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

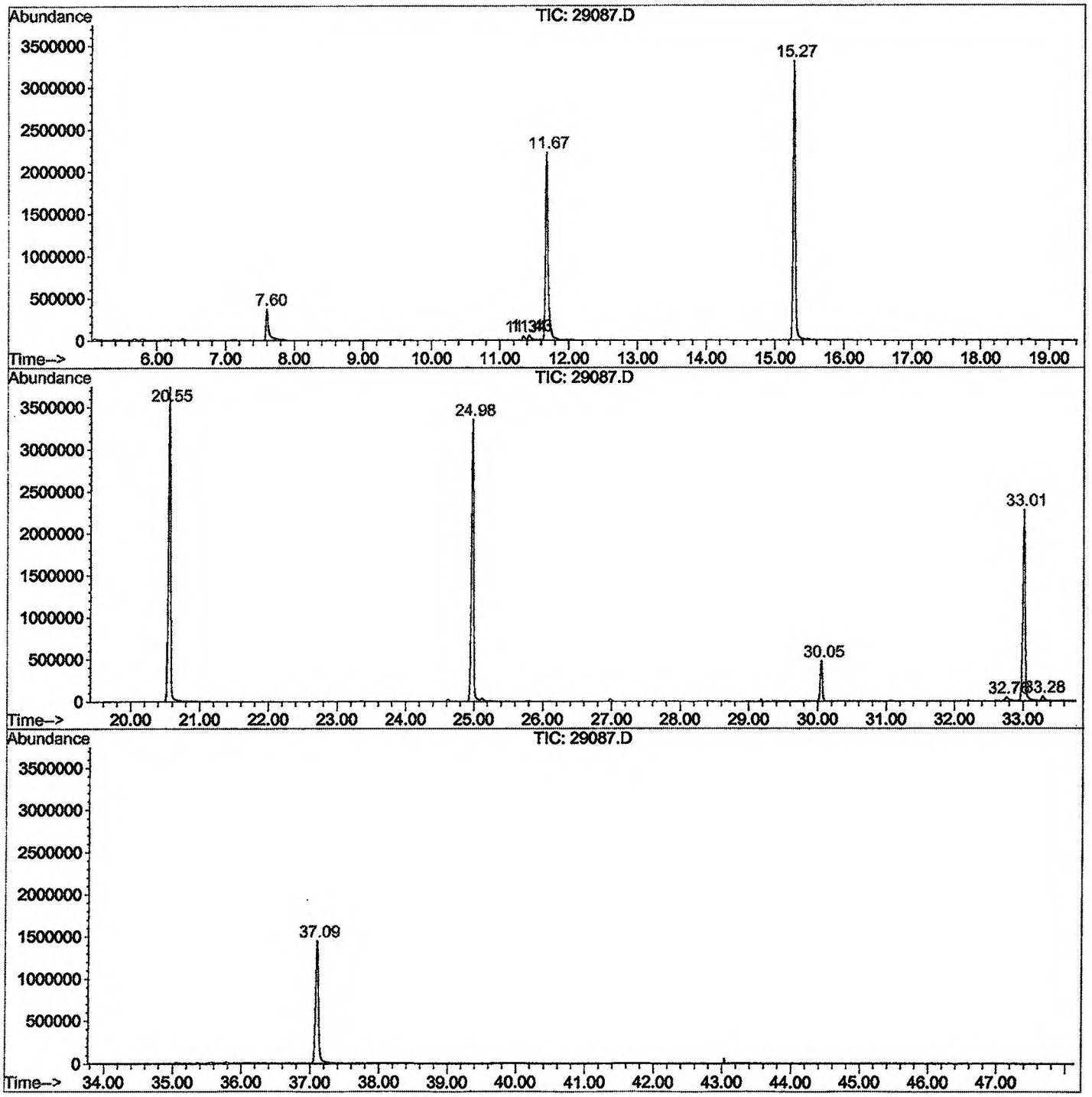
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.598	274	278	300	rBV	370834	1028155	12.83%	2.532%
2	11.344	682	686	692	rBV	51481	127234	1.59%	0.313%
3	11.426	692	695	710	rVB	58649	177149	2.21%	0.436%
4	11.674	716	722	745	rBV	2224679	5689682	71.01%	14.013%
5	15.273	1109	1114	1133	rBV	3310100	7262027	90.63%	17.886%
6	20.552	1683	1689	1717	rBV	3742244	8012741	100.00%	19.735%
7	24.977	2164	2171	2183	rBV2	3349750	7445192	92.92%	18.337%
8	30.053	2718	2724	2731	rBV	479332	1026194	12.81%	2.527%
9	32.762	3009	3019	3032	rBV	44899	160486	2.00%	0.395%
10	33.009	3038	3046	3062	rBV2	2271027	5358095	66.87%	13.196%
11	33.285	3071	3076	3087	rVB	51142	130425	1.63%	0.321%
12	37.095	3483	3491	3507	rBV2	1441612	4185252	52.23%	10.308%

Sum of corrected areas: 40602632

29087.D GCMS1126.M Thu Dec 13 14:44:48 2001

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\DEC1301\29087.D
Operator : 209 GALOS
Acquired : 13 Dec 2001 10:48 am using AcqMethod GCMS1126
Instrument : GC/MS 209
Sample Name: gcms scan 11/30
Misc Info :
Vial Number: 15
Quant File :GCMS1126.RES (RTE Integrator)



29087.D GCMS1126.M Thu Dec 13 14:44:54 2001

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29087.D
Acq On : 13 Dec 2001 10:48 am
Sample : gcms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

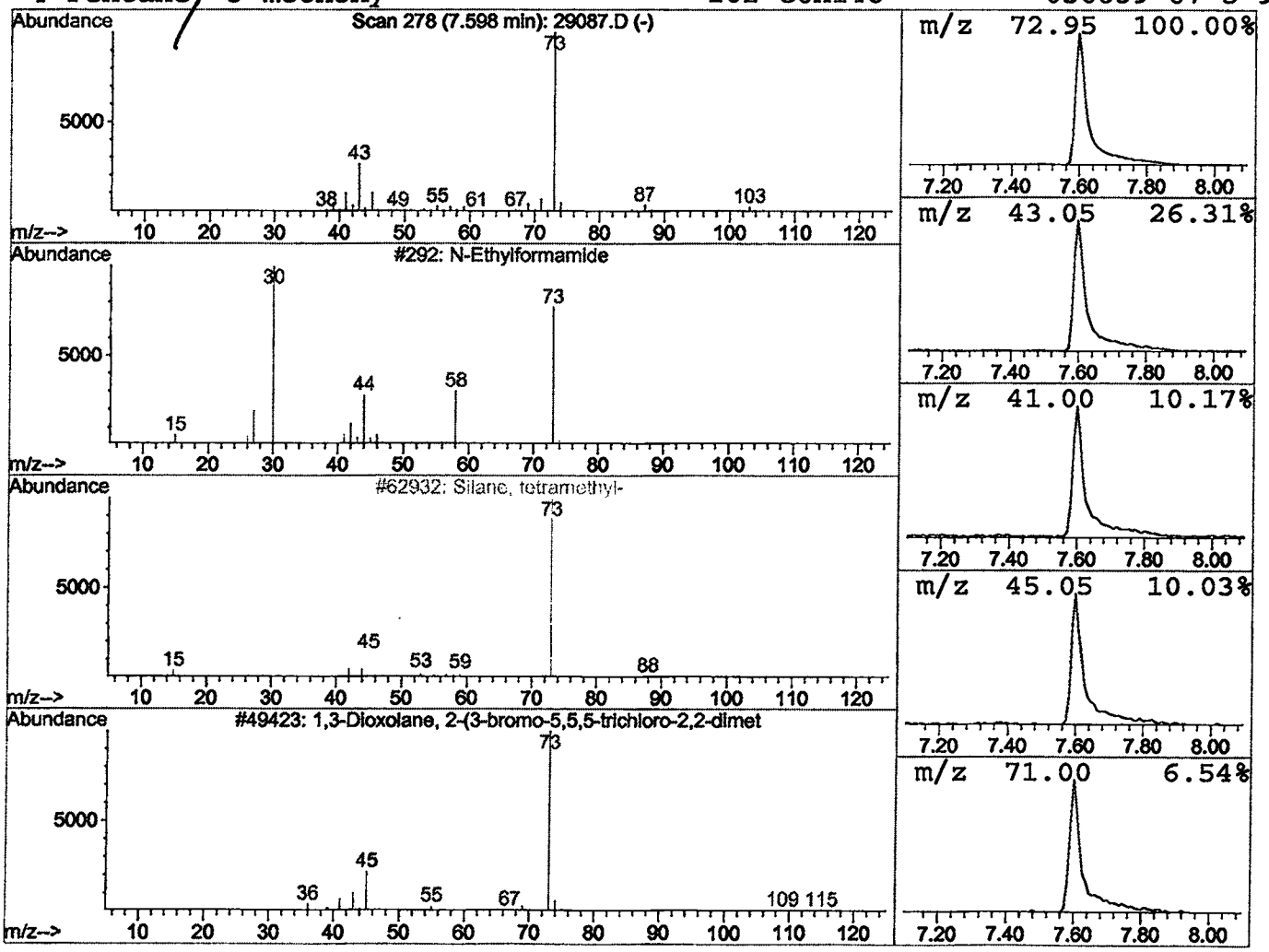
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 N-Ethylformamide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.61 ug/l	1028160	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Ethylformamide	73	C3H7NO	000627-45-2	9
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-tri	352	C10H16BrCl3O2	000000-00-0	9
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29087.D
Acq On : 13 Dec 2001 10:48 am
Sample : gcms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

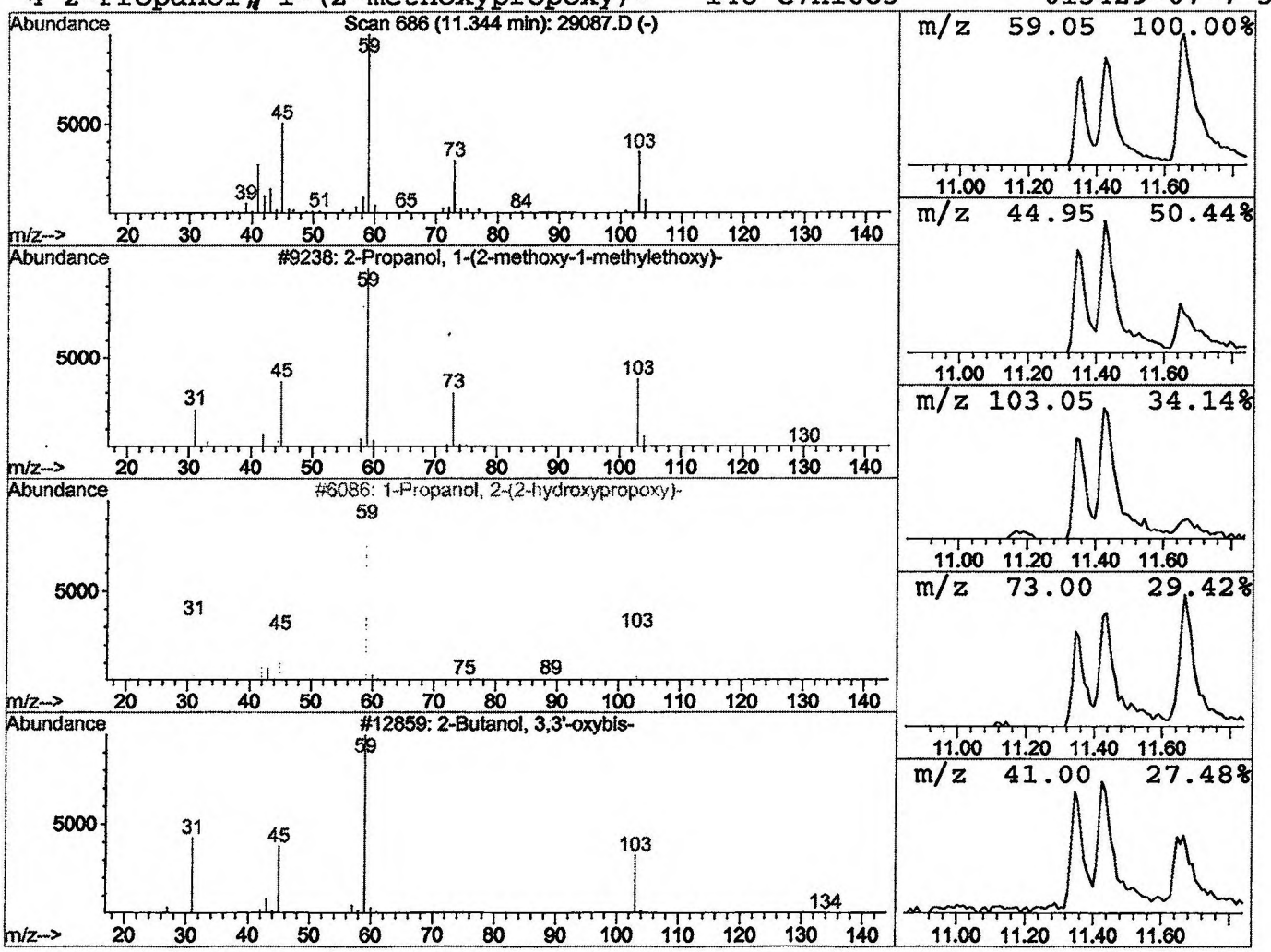
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanol, 1-(2-methoxy-1-met Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	0.45 ug/l	127234	1,4-Dichlorobenzene-d4	11.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methylet	148	C7H16O3	020324-32-7	56
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	53
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
4	2-Propanol, 1-(2-methoxypropoxy)-	148	C7H16O3	013429-07-7	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29087.D
Acq On : 13 Dec 2001 10:48 am
Sample : gcms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

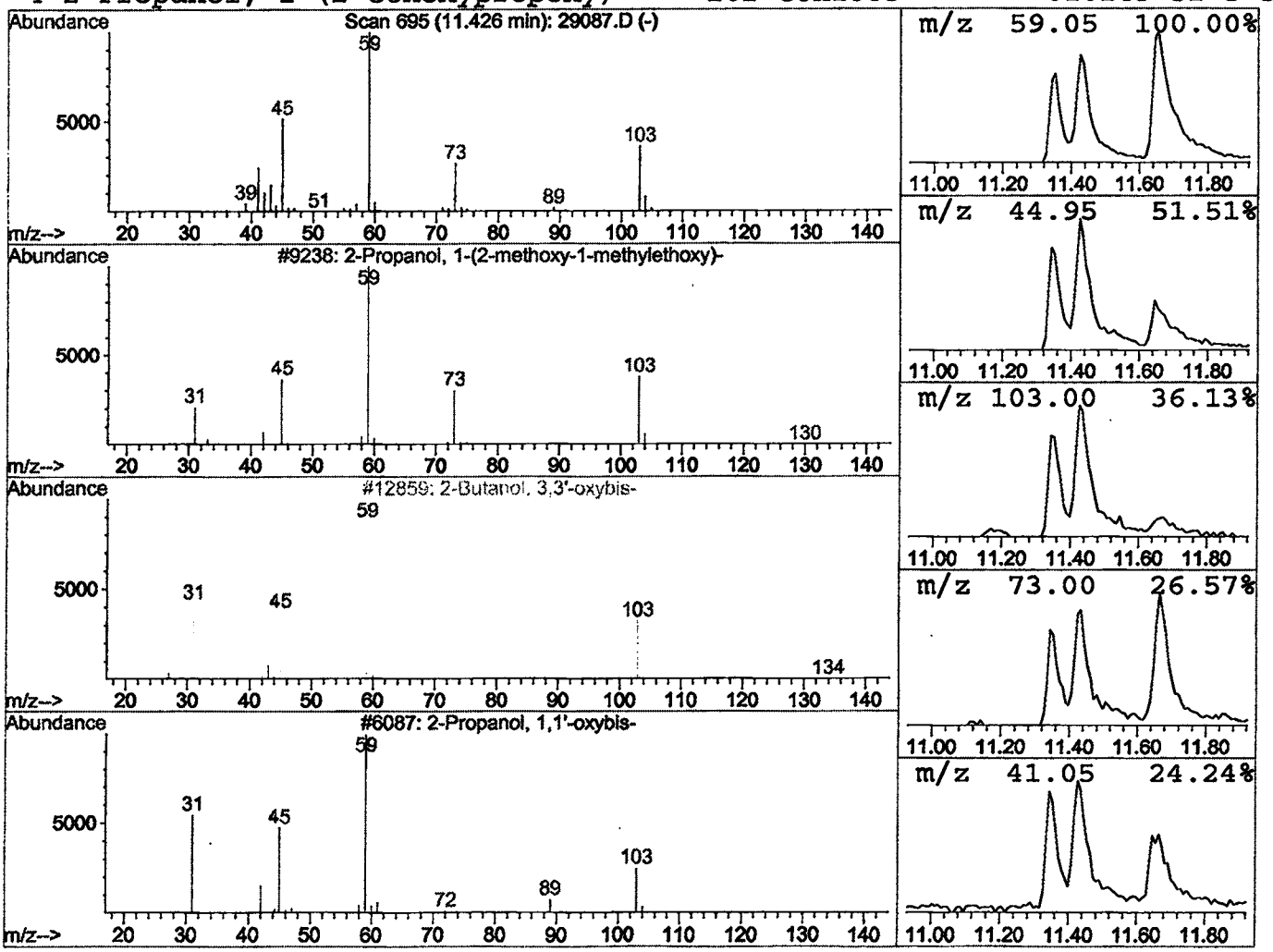
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	0.62 ug/l	177149	1,4-Dichlorobenzene-d4	11.67

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	50
4	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	50



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\DEC1301\29087.D
Acq On : 13 Dec 2001 10:48 am
Sample : gcms scan 11/30
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 209 GALOS
Inst : GC/MS 209
Multiplr: 1.00

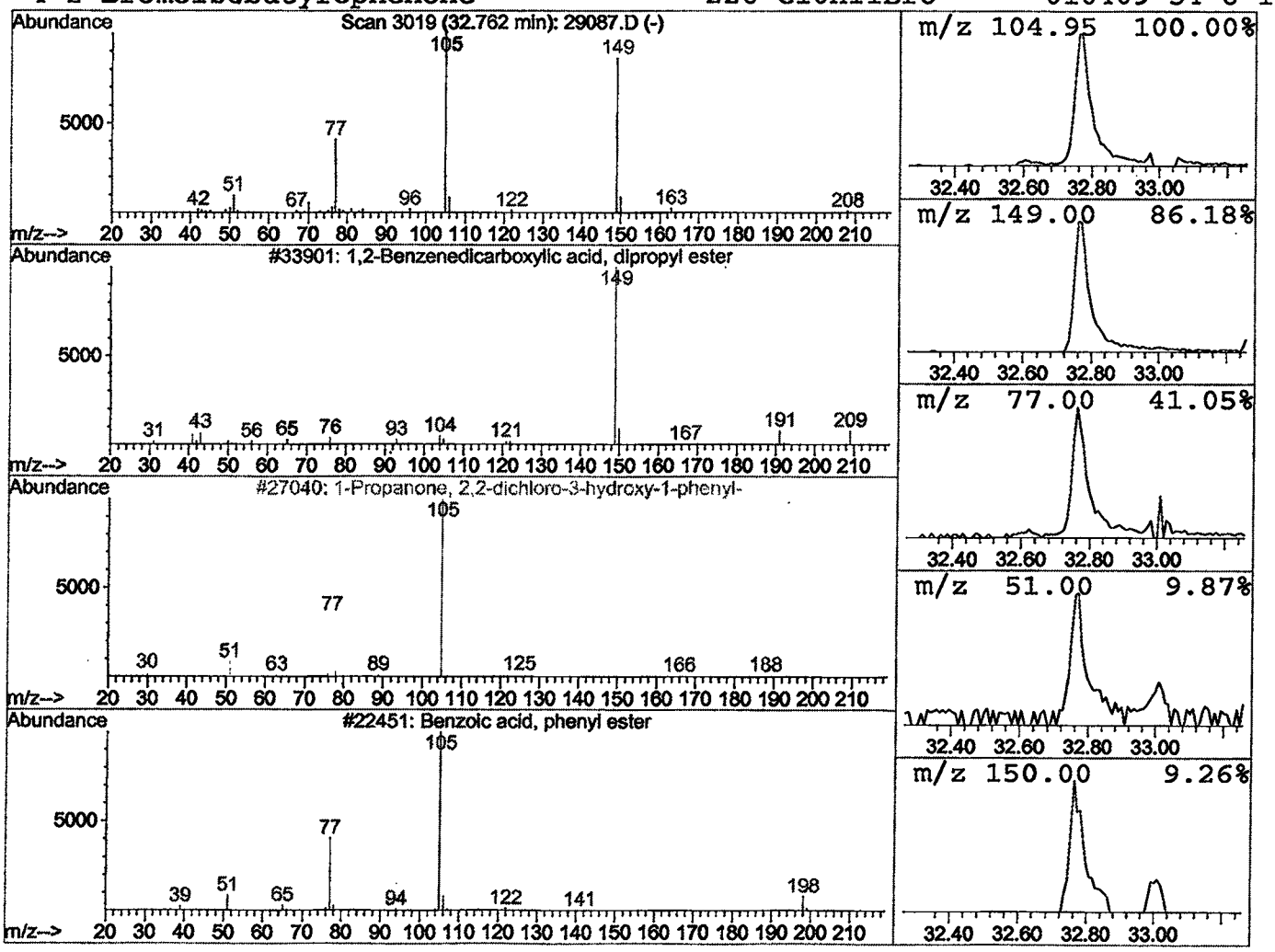
Quant Method : C:\HPCHEM\1\METHODS\GCMS1126.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 1,2-Benzenedicarboxylic acid, Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.76	0.60 ug/l	160486	Chrysene-d12	33.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, dipro	250	C14H18O4	000131-16-8	25
2	1-Propanone, 2,2-dichloro-3-hydroxy	218	C9H8Cl2O2	054824-08-7	17
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	17
4	2-Bromoisobutyrophenone	226	C10H11BrO	010409-54-8	16



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 13 Dec 2001 10:48 am
Data File: C:\HPCHEM\1\DATA\DEC1301\29087.D
Name: gcms scan 11/30
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
N-Ethylformamide	7.60	3.6	ug/l	1028160	ISTD01	11.67	5689680	20.0
2-Propanol, 1-(2-met	11.34	0.4	ug/l	127234	ISTD01	11.67	5689680	20.0
2-Propanol, 1-(2-met	11.43	0.6	ug/l	177149	ISTD01	11.67	5689680	20.0
1,2-Benzenedicarboxy	32.76	0.6	ug/l	160486	ISTD05	33.01	5358100	20.0

29087.D GCMS1126.M Thu Dec 13 14:45:17 2001