User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 15:21:45

Sample: AD31500
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/15/02 15:21 Ended: 2/15/02 15:21 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		101		5.0

Comments for Sample AD31500 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-15-2002 Time: 15:21:49

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 15 of the 43 compounds in the LCS Standard were below their acceptance ranges.

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 14:33 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	11.50	152	801348	20.00	ug/l	-0.03
10) Naphthalene-d8	15.10	136	3167318	20.00	ug/l	-0.02
17) Acenaphthene-d10	20.36	164	1587991	20.00	ug/l	-0.03
29) Phenanthrene-d10	24.77	188	2198047	20.00	ug/l	-0.03
38) Chrysene-d12	32.80	240	1311183	20.00	ug/l	-0.04
44) Perylene-d12	36.86	264	834318	20.00	ug/l	-0.03
System Monitoring Compounds						
37) 2,4-DDD	29.85	235	127306	5.05	ug/mL	-0.22
Spiked Amount 5.000			Recovery = 101.00%			
Target Compounds						Qvalue
2) N-nitroso-dimethyl amine	5.40	74	106	N.D.		
3) bis(2-Chloroethyl)ether	10.97	93	1877	N.D.		
4) 1,3-Dichlorobenzene	11.42	146	904	N.D.		
5) 1,4-Dichlorobenzene	11.54	146	1151	N.D.		
6) 1,2-Dichlorobenzene	12.08	146	1028	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	12.88	117	178	N.D.		
11) Nitrobenzene	13.25	77	1283	N.D.		
12) Isophorone	13.84	82	13466	N.D.		
13) bis(2-Chloroethoxy)methane	14.54	93	3610	N.D.		
14) 1,2,4-Trichlorobenzene	15.00	180	1073	N.D.		
15) Naphthalene	15.15	128	5390	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	18.65	162	2605	N.D.		
20) Dimethylphthalate	0.00	163	0	N.D.		
21) 2,6-Dinitrotoluene	19.97	165	185	N.D.		
22) Acenaphthylene	19.91	152	2226	N.D.		
23) Acenaphthene	20.45	153	2952	N.D.		
24) 2,4-Dinitrotoluene	20.74	165	178	N.D.		
25) Diethylphthalate	21.88	149	3871	N.D.		
26) 4-Chlorophenyl-phenylether	22.01	204	1895	N.D.		
27) Fluorene	21.97	166	3813	N.D.		
28) Azobenzen/ 1,2-Diphenylhyd	0.00	77	0	N.D.		

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 14:33 2002 Quant Results File: GCMS0103.RES

Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Thu Dec 13 14:40:46 2001
Response via : Initial Calibration
DataAcq Meth : GCMS0103

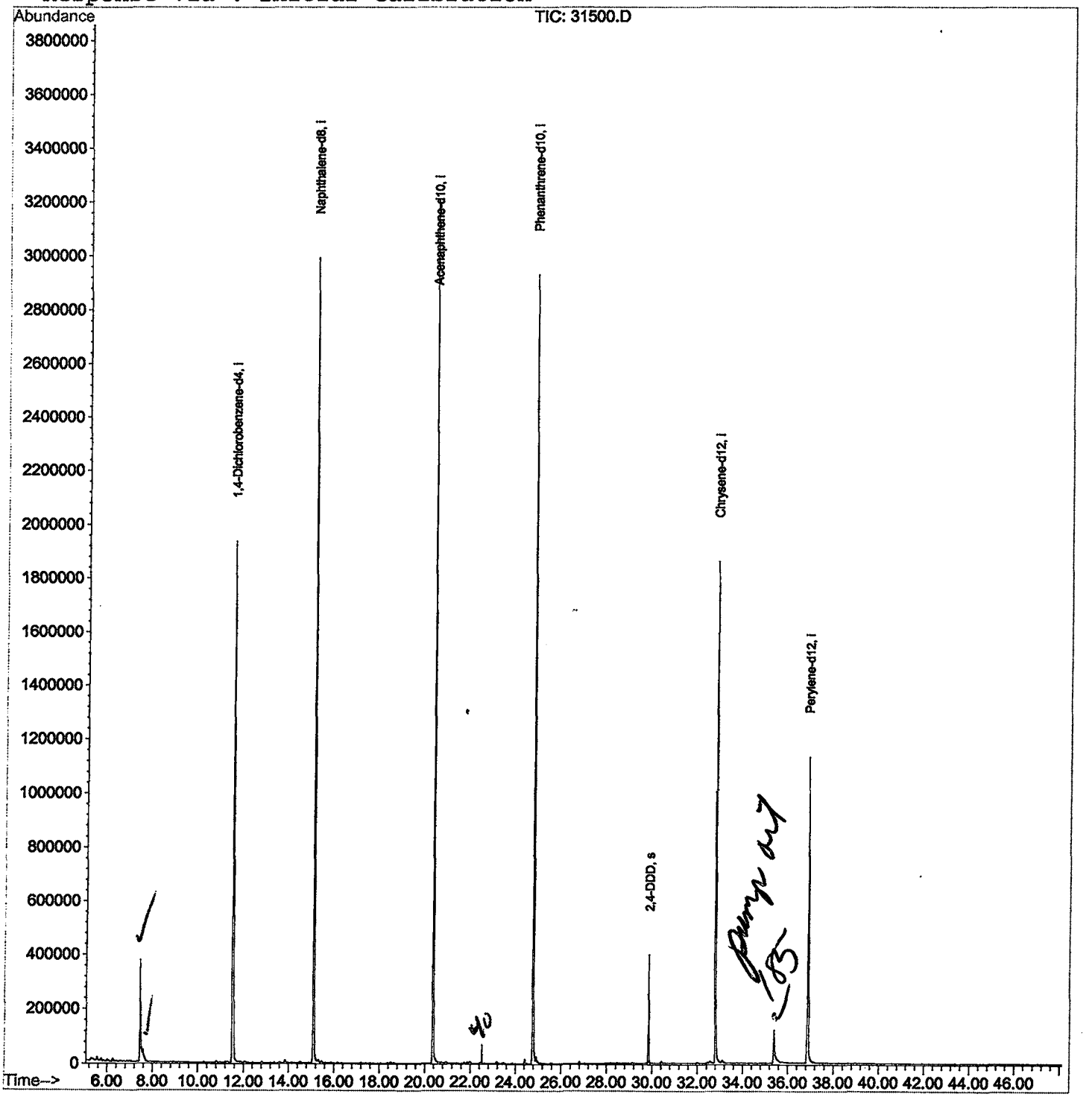
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30)	N-Nitrosodiphenylamine	22.41	168	588	N.D.	
31)	4-Bromophenyl-phenylether	23.47	248	996	N.D.	
32)	Hexachlorobenzene	23.87	284	1109	N.D.	
33)	Phenanthrene	24.84	178	8409	N.D.	
34)	Anthracene	24.98	178	5438	N.D.	
35)	Di-n-butylphthalate	26.80	149	10094	N.D.	
36)	Fluoranthene	28.45	202	3106	N.D.	
39)	Pyrene	29.12	202	2974	N.D.	
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	32.81	228	3334	N.D.	
42)	Bis(2-ethylhexyl)phthalate	33.10	149	6150	N.D.	
43)	Chrysene	32.81	228	3334	N.D.	
45)	Di-n-Octylphthalate	34.83	149	207	N.D.	
46)	Benzo(b)fluoranthene	35.85	252	186	N.D.	
47)	Benzo(k)fluoranthene	35.93	252	537	N.D.	
48)	Benzo(a)pyrene	36.87	252	3658	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\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: GOOFY.P
Quant Time: Feb 6 14:33 2002 Quant Results File: GCMS0103.RES

Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Last Update : Mon Jan 07 10:31:02 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\HPCHEM\1\METHODS\GCMS0103.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

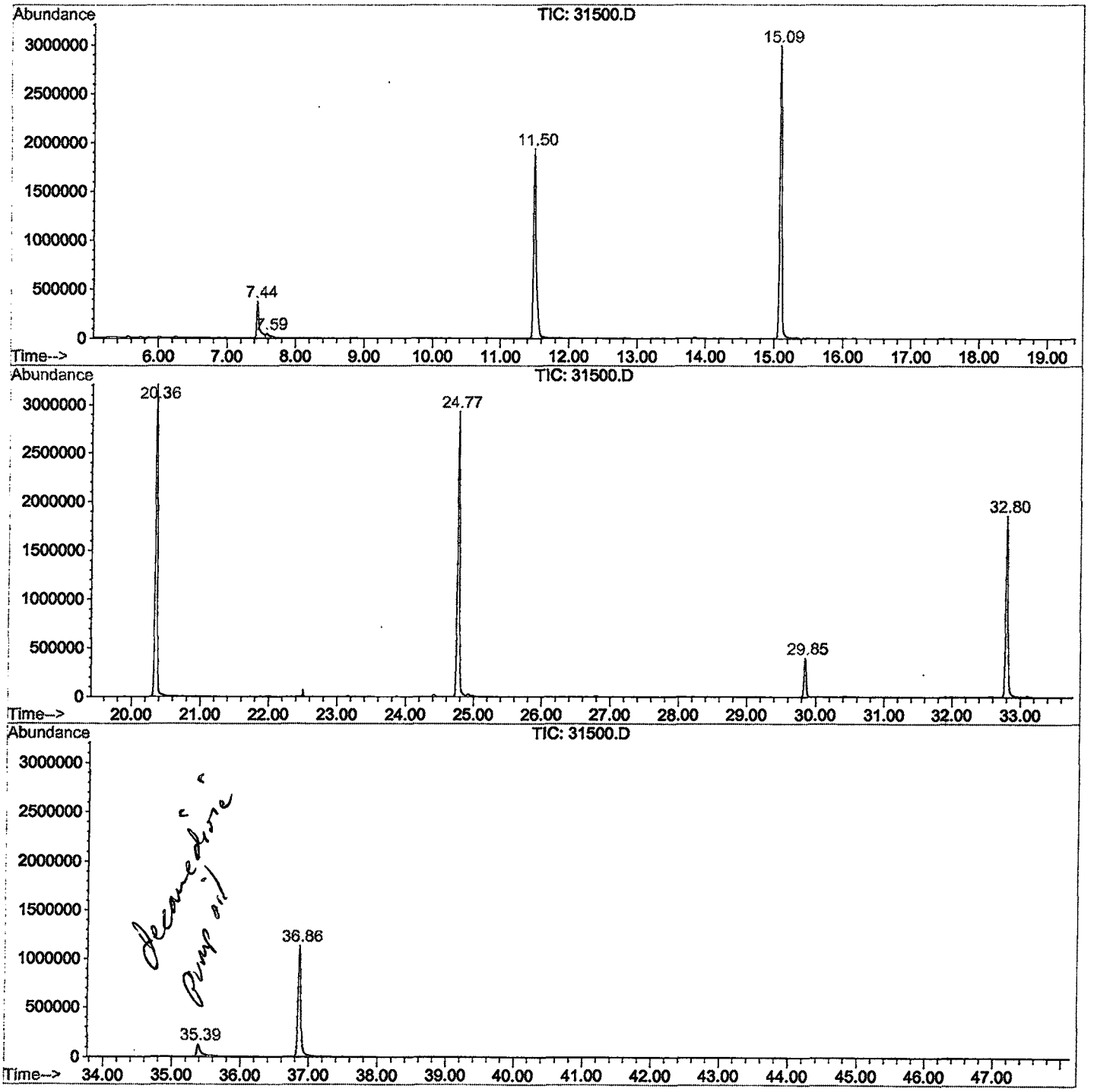
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	peak area	peak % max.	% of total
1	7.441	257	261	274	rBV	372350	971442	14.50%	2.818%
2	7.587	274	277	292	rVB	44380	173077	2.58%	0.502%
3	11.498	698	703	725	rBV	1932573	5147731	76.84%	14.932%
4	15.088	1088	1094	1113	rBV	2991590	6538151	97.60%	18.966%
5	20.357	1661	1668	1688	rBV	3210412	6699257	100.00%	19.433%
6	24.773	2142	2149	2162	rBV2	2929636	6266969	93.55%	18.179%
7	29.850	2696	2702	2709	rBV	398863	811971	12.12%	2.355%
8	32.797	3017	3023	3048	rBV2	1858660	4274868	63.81%	12.400%
9	35.385	3298	3305	3318	rBV	122221	464847	6.94%	1.348%
10	36.863	3459	3466	3485	rBV2	1130544	3125188	46.65%	9.065%

Sum of corrected areas: 34473501

31500.D GCMS0103.M Wed Feb 06 15:33:59 2002

LSC Report - Integrated Chromatogram

File : C:\HPCHEM\1\DATA\JAN1802\31500.D
Operator : 209 GALOS
Acquired : 19 Jan 2002 3:19 am using AcqMethod GCMS0103
Instrument : GC/MS 209
Sample Name: gc/ms scan 12/31
Misc Info :
Vial Number: 13
Quant File :GCMS0103.RES (RTE Integrator)



31500.D GCMS0103.M Wed Feb 06 15:34:05 2002

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

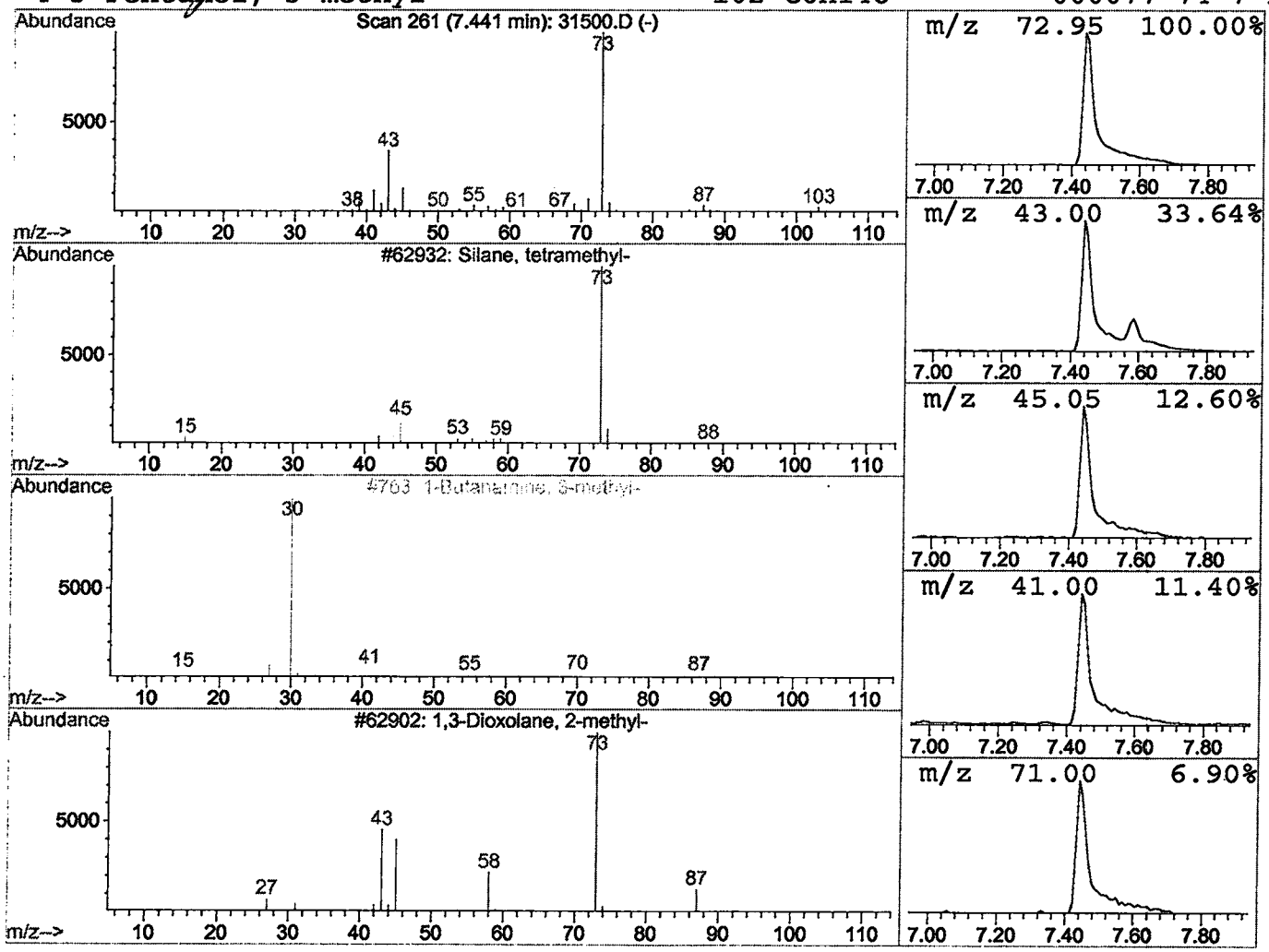
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Silane, tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	3.77 ug/l	971442	1,4-Dichlorobenzene-d4	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, tetramethyl-	88	C4H12Si	000075-76-3	47
2	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	9
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

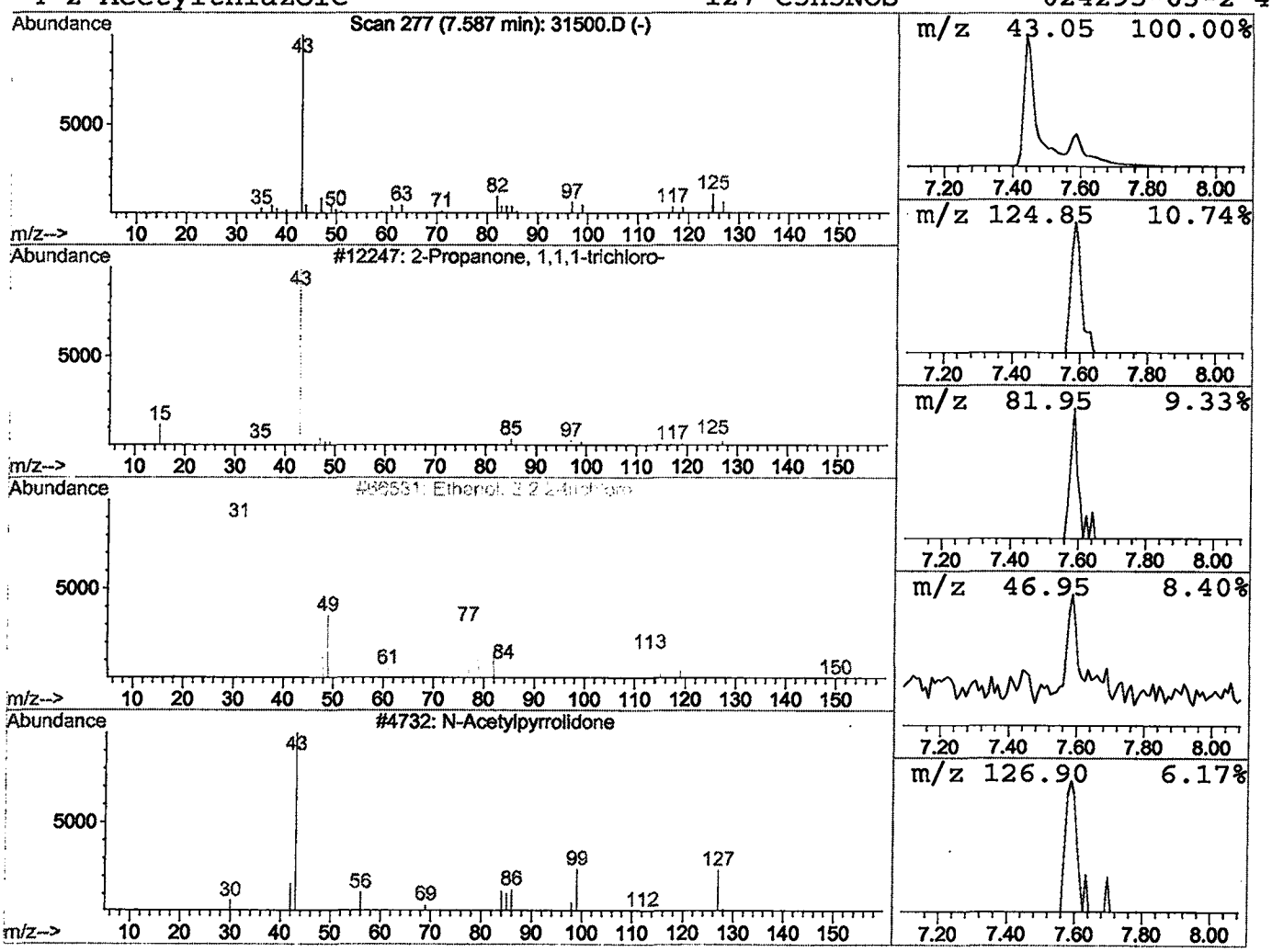
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 2-Propanone, 1,1,1-trichloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	0.67 ug/l	173077	1,4-Dichlorobenzene-d4	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro-	160	C3H3Cl3O	000918-00-3	42
2	Ethanol, 2,2,2-trichloro-	148	C2H3Cl3O	000115-20-8	9
3	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	5
4	2-Acetylthiazole	127	C5H5NOS	024295-03-2	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\JAN1802\31500.D Vial: 13
Acq On : 19 Jan 2002 3:19 am Operator: 209 GALOS
Sample : gc/ms scan 12/31 Inst : GC/MS 209
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

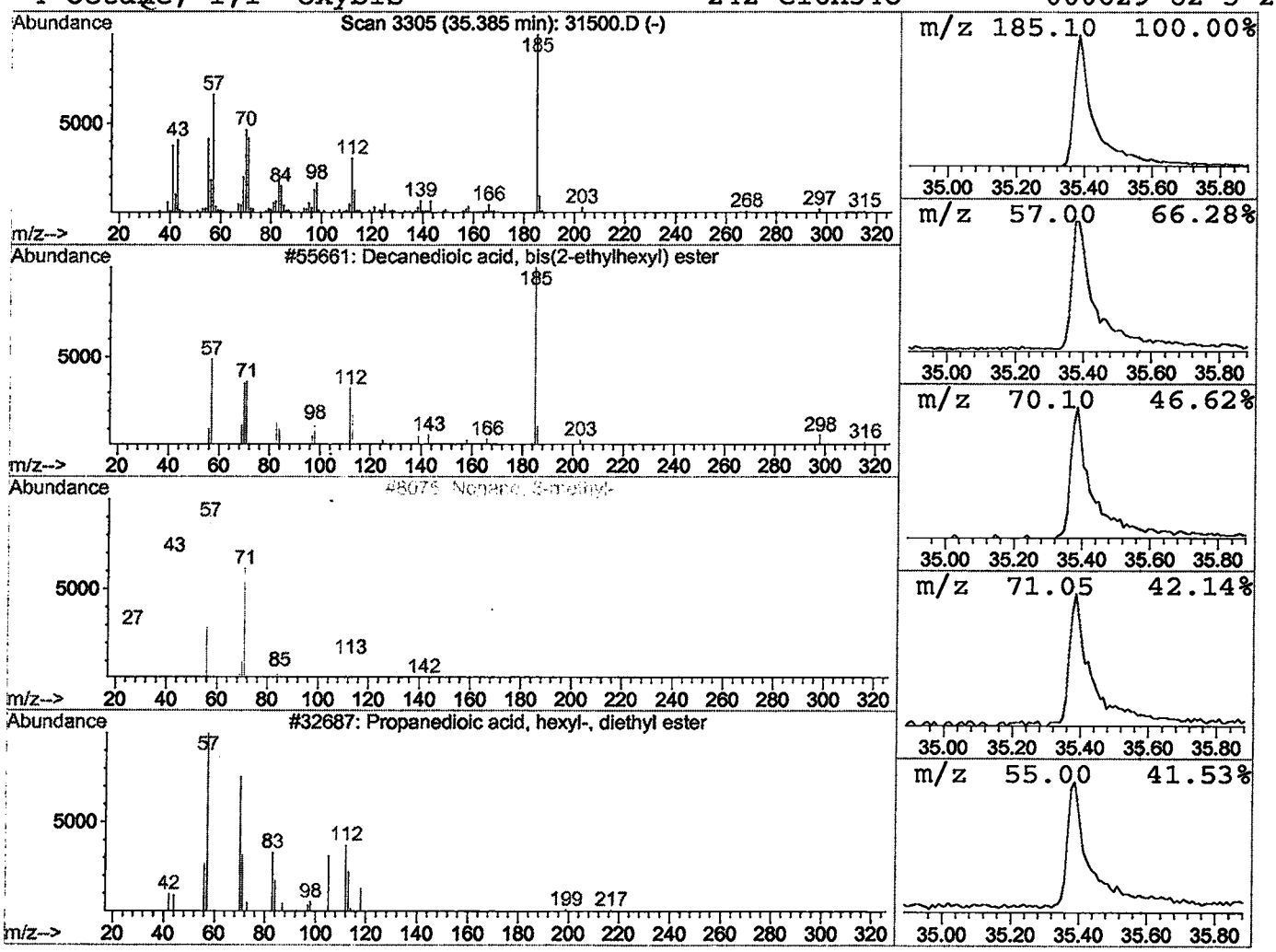
Quant Method : C:\HPCHEM\1\METHODS\GCMS0103.M (RTE Integrator)
Title : 209 625/TCLP calibration table
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Decanedioic acid, bis(2-ethylh Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
35.39	2.97 ug/l	464847	Perylene-d12	36.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanedioic acid, bis(2-ethylhexyl)	426	C26H50O4	000122-62-3	64
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	25
3	Propanedioic acid, hexyl-, diethyl	244	C13H24O4	005398-10-7	25
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	22



Tentatively Identified Compound (LSC) summary

Operator ID: 209 GALOS Date Acquired: 19 Jan 2002 3:19 am
Data File: C:\HPCHEM\1\DATA\JAN1802\31500.D
Name: gc/ms scan 12/31
Misc:
Method: C:\HPCHEM\1\METHODS\GCMS0103.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-	7.44	3.8	ug/l	971442	ISTD01	11.50	5147730	20.0
2-Propanone, 1,1,1-t	7.59	0.7	ug/l	173077	ISTD01	11.50	5147730	20.0
Decanedioic acid, bi	35.39	3.0	ug/l	464847	ISTD06	36.86	3125190	20.0

31500.D GCMS0103.M Wed Feb 06 15:34:24 2002