User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 05/15/2002 Time: 14:57:18

Sample: AE09151
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 5/15/02 14:56 Ended: 5/15/02 14:56 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		78		10.0

Comments for Sample AE09151 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 05-15-2002 Time: 14:57:44

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
Recoveries for 4 of the 43 compounds in the LCS Standard were low.

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\050902\9151.D Vial: 18
Acq On : 10 May 2002 5:58 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: EVENTS.E
Quant Time: May 13 09:50:01 2002 Quant Results File: 050102.RES

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Last Update : Mon May 13 09:45:43 2002
Response via : Initial Calibration
DataAcq Meth : 508SCAN

re-extraction

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.94	152	6637907	40.00	ug/L	0.00
10) Napthalene-d8	13.43	136	26274205	40.00	ug/L	0.00
17) Acenapthalene-d10	18.57	164	14450200	40.00	ug/L	0.00
29) Phenanthranene-d10	22.96	188	21199780	40.00	ug/L	0.00
37) Chrysene-d12	30.81	240	15576139	40.00	ug/L	0.00
43) Perylene-d12	34.70	264	9498696	40.00	ug/L	0.00
System Monitoring Compounds						
27) TCMX	20.55	209	2724213	31.05	ug/L	0.00
Spiked Amount 40.000			Recovery = 77.63%			
Target Compounds						Qvalue
2) n-nitros-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-Chloropropane	0.00	45	0	N.D.		
8) N-nitroso-di-propylamine	0.00	70	0	N.D.		
9) Hexachloroethane	0.00	117	0	N.D.		
11) Nitrobenzene	0.00	77	0	N.D.		
12) Isophorone	0.00	82	0	N.D.		
13) bis(2-Chloroethoxy) methan	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Napthalene	0.00	128	0	N.D.		
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) 2-Chloronaphthalene	0.00	162	0	N.D.		
19) Dimethylphthalate	0.00	163	0	N.D.		
20) 2,6-Dinitrotoluene	0.00	165	0	N.D.		
21) Acenapthylene	0.00	152	0	N.D.		
22) Acenapthalene	0.00	153	0	N.D.		
23) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
24) Diethylphthalate	0.00	149	0	N.D.		
25) 4-Chlorophenyl-phenylether	20.55	204	15007	N.D.		
26) Fluorene	0.00	166	0	N.D.		
28) Azobenzene	20.54	77	46176	N.D.		
30) Nnitrosodiphenylamine	20.54	169	51764	N.D.		
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	0.00	178	0	N.D.		
34) Anthracene	0.00	178	0	N.D.		
35) Di-n-butylphthalate	25.09	149	77443	N.D.		

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

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	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	Fluoroanthene	26.53	202	22195	N.D.	
38)	Pyrene	0.00	202	0	N.D.	
39)	Butylbenzylphthalate	0.00	149	0	N.D.	
40)	Benzo(a)anthracene	30.81	228	38395	N.D.	
41)	Bis(2-ethylhexyl)phthalate	0.00	149	0	N.D.	
42)	Chrysene	0.00	228	0	N.D.	
44)	Di-n-octylphthalate	0.00	149	0	N.D.	
45)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
46)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(a)pyrene	0.00	252	0	N.D.	
48)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
49)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
50)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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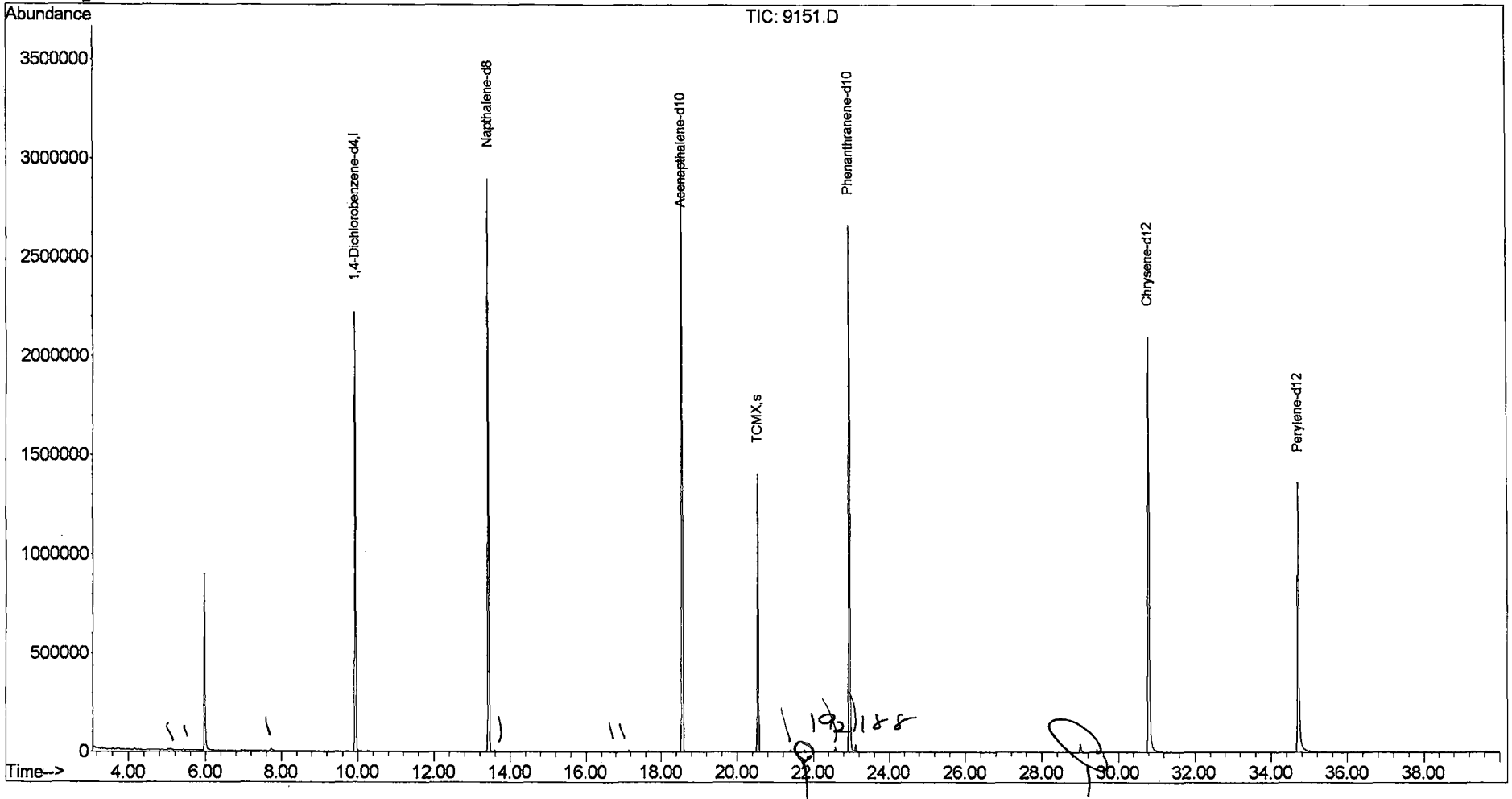
Response via : Initial Calibration



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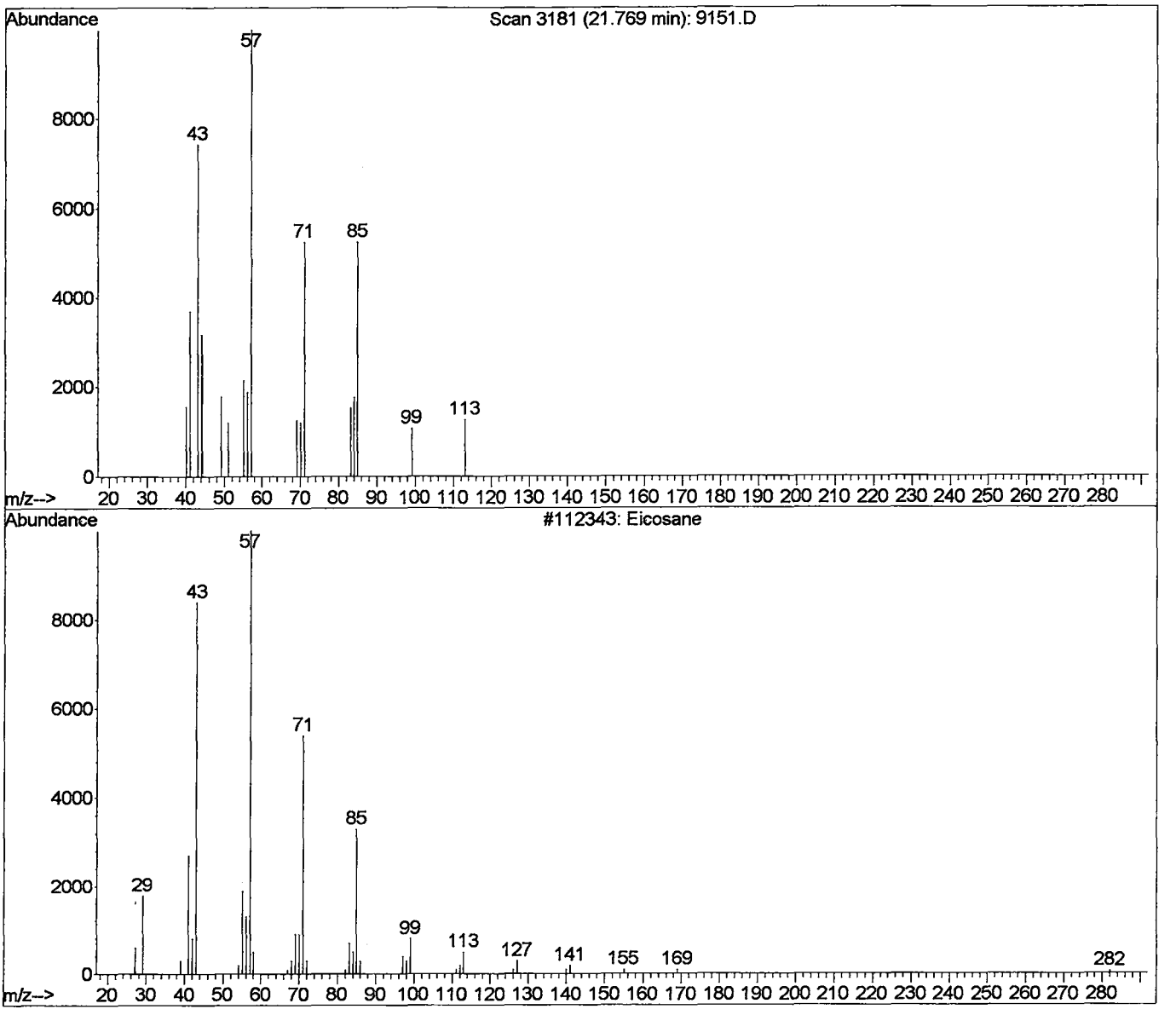
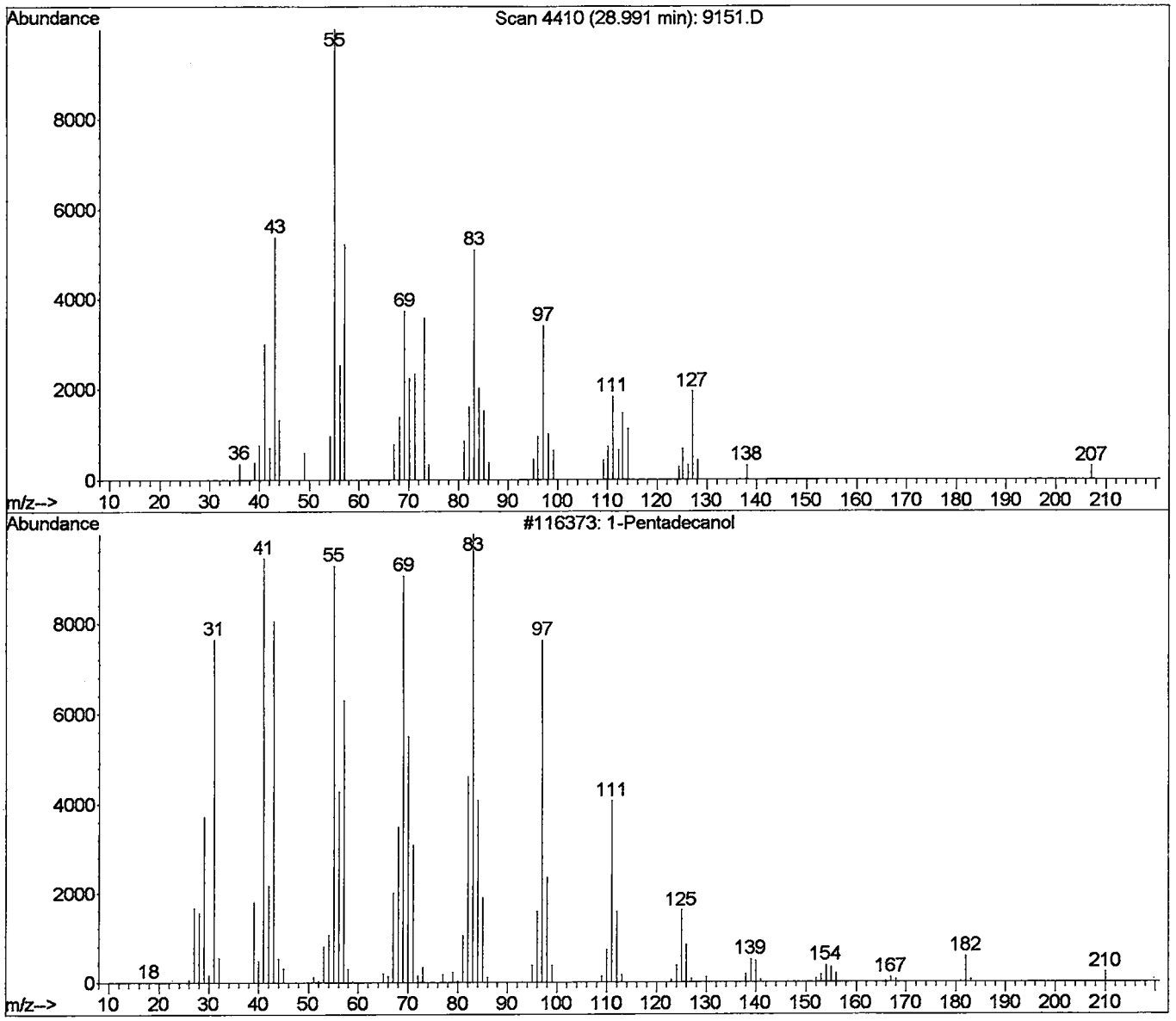
Quality : 64
ID : Eicosane



Library Searched : C:\Database\NIST98.L
Quality : 58
ID : 1-Pentadecanol



LSC Area Percent Report

Data File : C:\MSDCHEM\1\DATA\050902\9151.D
Acq On : 10 May 2002 5:58 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 18
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan

Signal : TIC

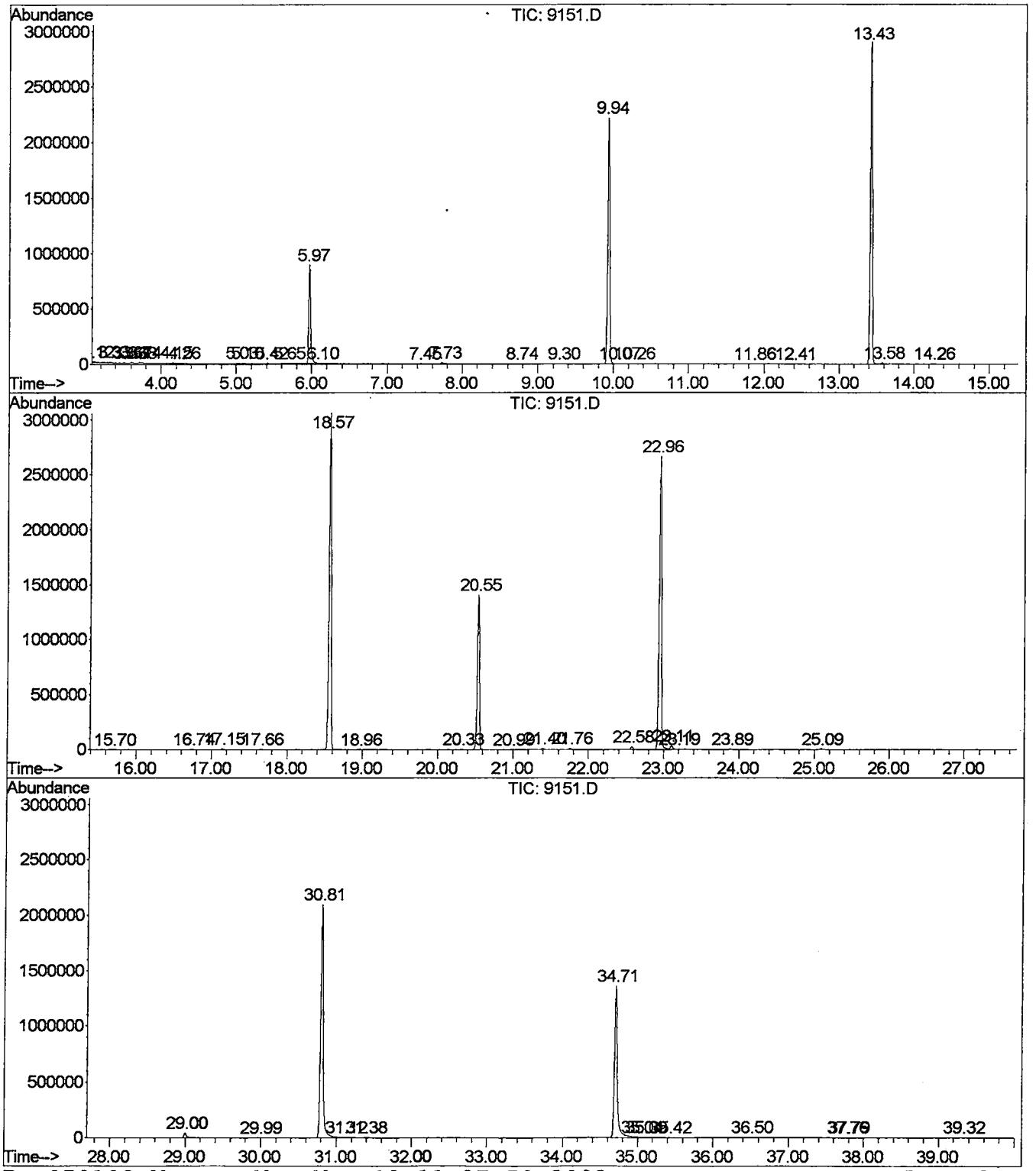
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.114	3	6	18	BV 6	5696	125819	0.21%	0.036%
2	3.326	36	42	48	PV 2	7004	104121	0.18%	0.030%
3	3.532	71	77	82	PV 6	2248	38212	0.06%	0.011%
4	3.608	86	90	98	VV 4	6370	109119	0.18%	0.032%
5	3.679	98	102	103	VV 4	2244	30266	0.05%	0.009%
6	3.737	103	112	127	VV 3	6880	287923	0.49%	0.083%
7	4.154	175	183	197	VV 7	7276	185047	0.31%	0.053%
8	4.260	197	201	209	VV 5	3339	70401	0.12%	0.020%
9	5.030	323	332	338	PV 6	5999	125349	0.21%	0.036%
10	5.100	338	344	351	VV 5	6748	153923	0.26%	0.044%
11	5.418	393	398	403	VV 3	3862	68691	0.12%	0.020%
12	5.653	434	438	445	VV 7	2146	38275	0.06%	0.011%
13	5.976	483	493	512	PV	876210	15479507	26.11%	4.471%
14	6.099	512	514	522	VV 6	2746	47638	0.08%	0.014%
15	7.451	738	744	755	PV 5	1782	42784	0.07%	0.012%
16	7.727	785	791	809	PV 3	11793	288171	0.49%	0.083%
17	8.743	953	964	973	BV 8	2283	38791	0.07%	0.011%
18	9.301	1044	1059	1067	PV 6	2618	75723	0.13%	0.022%
19	9.936	1157	1167	1185	VV	2167038	40556505	68.40%	11.715%
20	10.065	1185	1189	1196	VV 6	2762	57482	0.10%	0.017%
21	10.259	1217	1222	1226	VV 5	3127	50718	0.09%	0.015%
22	11.863	1480	1495	1500	PV 7	2098	60061	0.10%	0.017%
23	12.410	1580	1588	1592	PV 5	2121	42321	0.07%	0.012%
24	13.432	1747	1762	1779	VV	2906830	54186494	91.38%	15.652%
25	13.585	1779	1788	1795	VV 2	9424	208380	0.35%	0.060%
26	14.260	1893	1903	1913	PV 5	4326	95029	0.16%	0.027%
27	15.700	2143	2148	2158	VV 4	2812	55227	0.09%	0.016%
28	16.740	2320	2325	2340	VV	5226	112407	0.19%	0.032%
29	17.145	2389	2394	2403	VV 3	8891	153903	0.26%	0.044%
30	17.657	2471	2481	2487	PV 6	4311	80839	0.14%	0.023%
31	18.567	2626	2636	2658	PV	3012318	59296223	100.00%	17.128%
32	18.961	2695	2703	2712	PV 5	2430	49283	0.08%	0.014%
33	20.324	2929	2935	2940	VV 5	3321	60518	0.10%	0.017%
34	20.547	2956	2973	2989	PV	1400499	27343859	46.11%	7.899%
35	20.988	3039	3048	3053	VV 5	1739	36023	0.06%	0.010%
36	21.399	3100	3118	3125	PV 4	13237	226898	0.38%	0.066%
37	21.758	3173	3179	3193	PV	12736	257275	0.43%	0.074%

38	22.574	3311	3318	3340	VV		26859	529623	0.89%	0.153%
39	22.956	3369	3383	3403	PV	2	2654100	58485934	98.63%	16.894%
40	23.109	3403	3409	3421	VV	2	33731	781181	1.32%	0.226%
41	23.191	3421	3423	3427	VV	4	1675	19601	0.03%	0.006%
42	23.891	3533	3542	3547	BV	3	3112	52129	0.09%	0.015%
43	25.089	3735	3746	3762	PV	2	7115	169513	0.29%	0.049%
44	29.002	4404	4412	4428	PV	2	41307	951132	1.60%	0.275%
45	29.989	4572	4580	4585	PV	6	2289	55263	0.09%	0.016%
46	30.806	4706	4719	4770	PV	2	2066976	48789981	82.28%	14.093%
47	31.118	4770	4772	4784	VV	9	2792	93865	0.16%	0.027%
48	31.376	4811	4816	4822	PV	5	2904	54804	0.09%	0.016%
49	34.707	5371	5383	5435	VV	2	1348604	35401594	59.70%	10.226%
50	35.036	5435	5439	5447	VV	7	4288	145085	0.24%	0.042%
51	35.095	5447	5449	5459	VV	8	3007	100513	0.17%	0.029%
52	35.418	5496	5504	5509	VV	5	2737	86400	0.15%	0.025%
53	36.500	5683	5688	5691	VV	5	3371	75733	0.13%	0.022%
54	37.763	5897	5903	5906	VV	5	2818	62170	0.10%	0.018%
55	37.786	5906	5907	5912	VV	3	2687	37507	0.06%	0.011%
56	39.320	6165	6168	6179	VV	8	1905	56684	0.10%	0.016%

Sum of corrected areas: 346187915

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\DATA\050902\9151.D
Operator : Mclean
Acquired : 10 May 2002 5:58 am using AcqMethod 508SCAN
Instrument : Instrumen
Sample Name: 5/8 eh
Misc Info :
Vial Number: 18
Quant File :050102.RES (Chemstation Integrator)



Library Search Compound Report

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Acq On : 10 May 2002 5:58 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

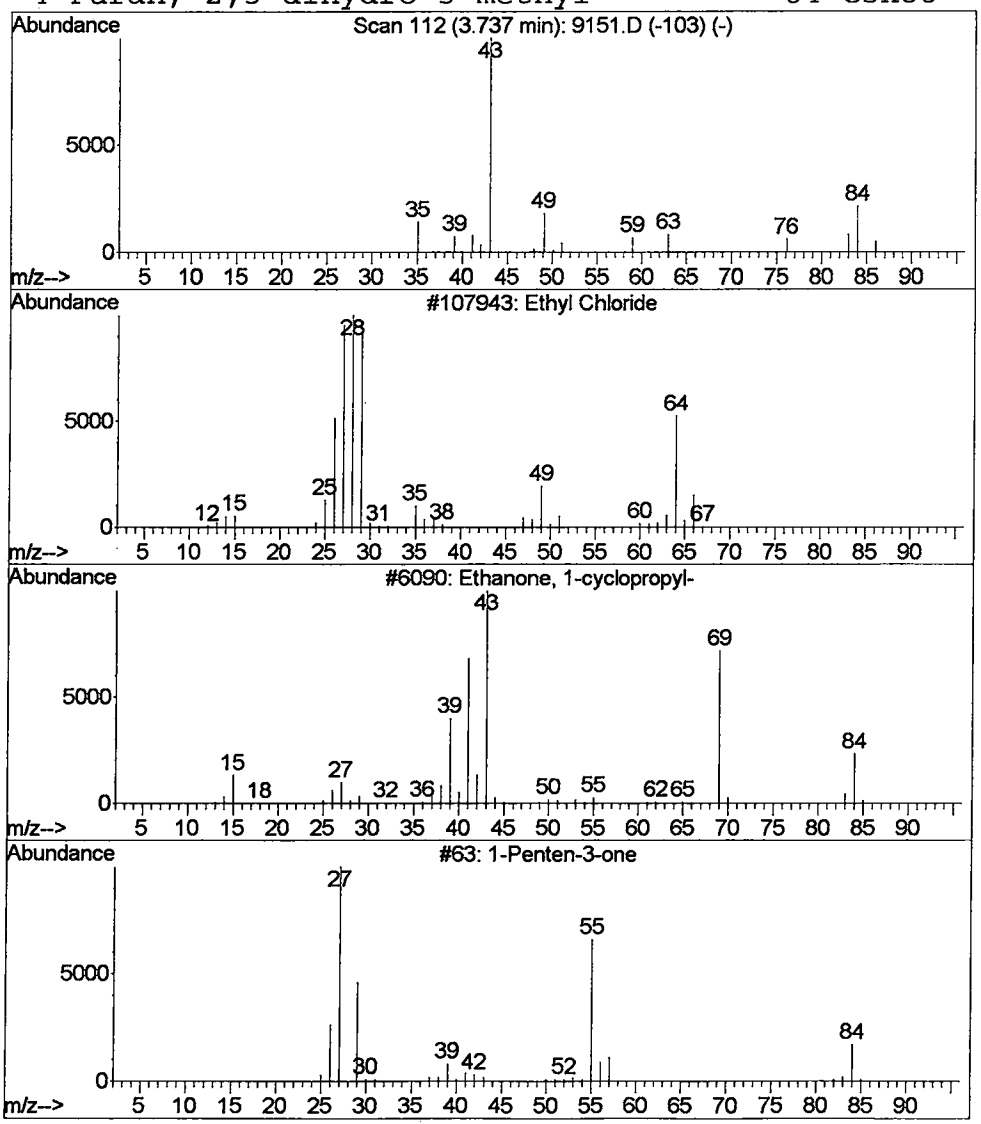
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

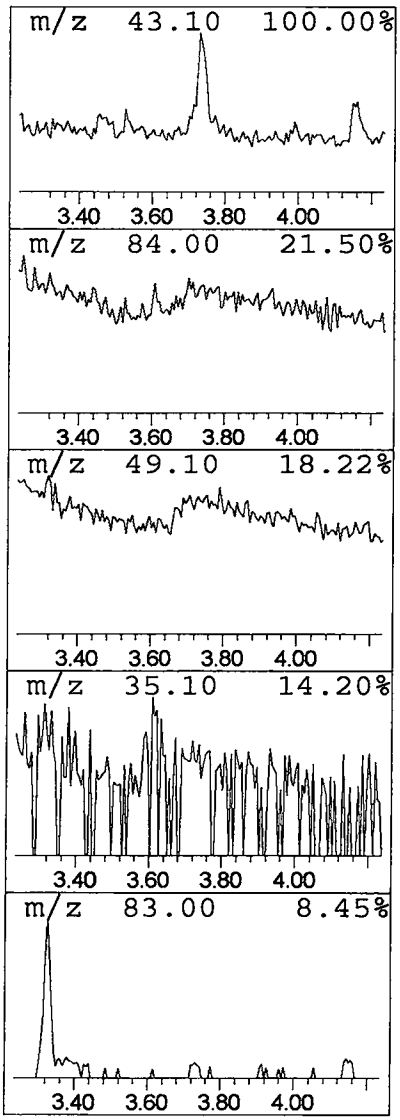
****

Peak Number 1 Ethyl Chloride Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	0.28 ug/L	287923	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Chloride	64	C2H5Cl	000075-00-3	9
2	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	5
3	1-Penten-3-one	84	C5H8O	001629-58-9	5
4	Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	4





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Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
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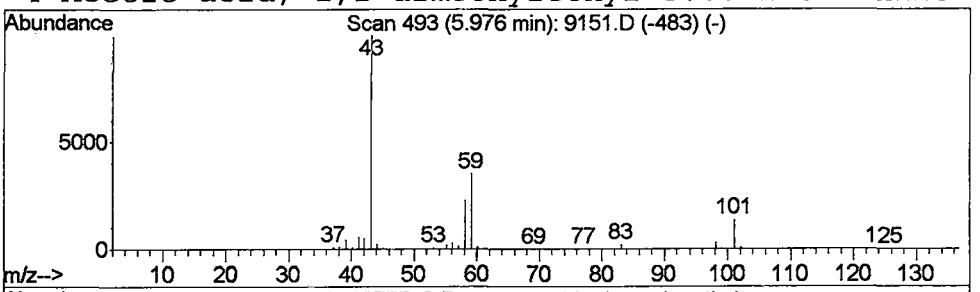
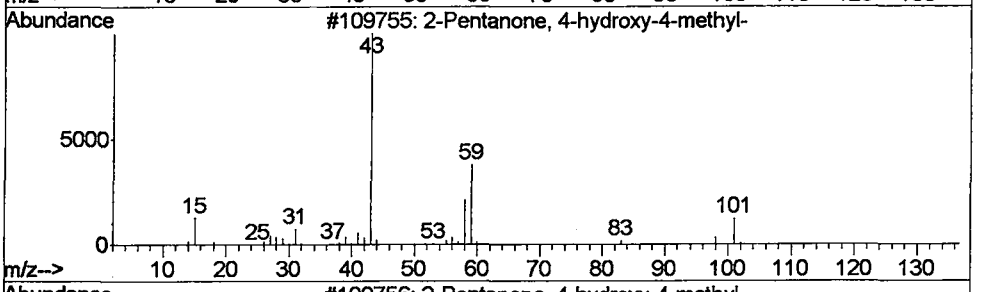
****

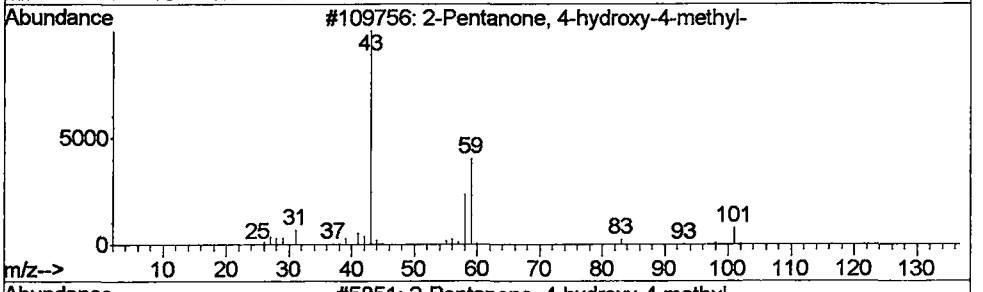
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

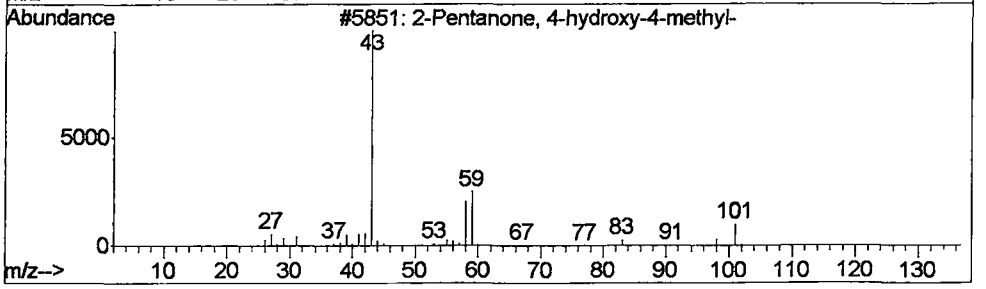
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	15.27 ug/L	15479500	1,4-Dichlorobenzene-d4	9.94

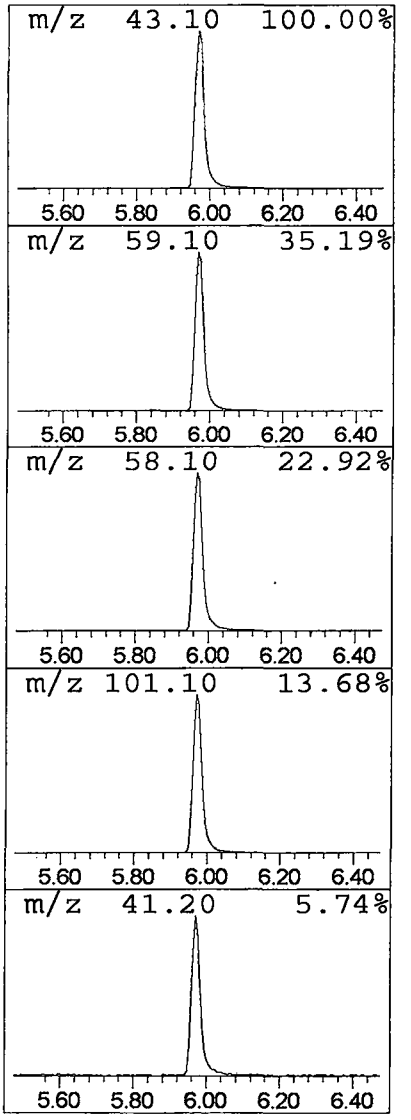
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	90
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36











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Acq On : 10 May 2002 5:58 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

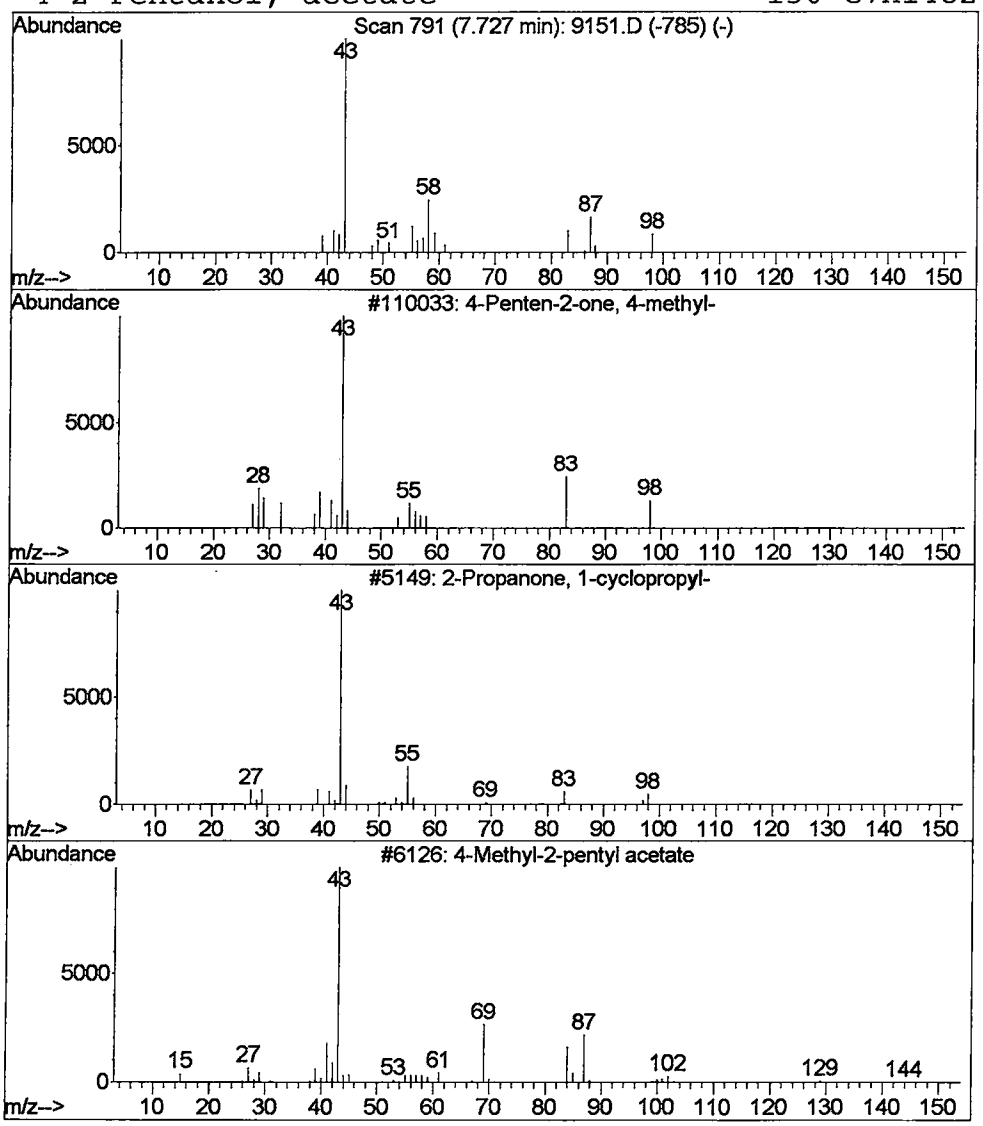
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

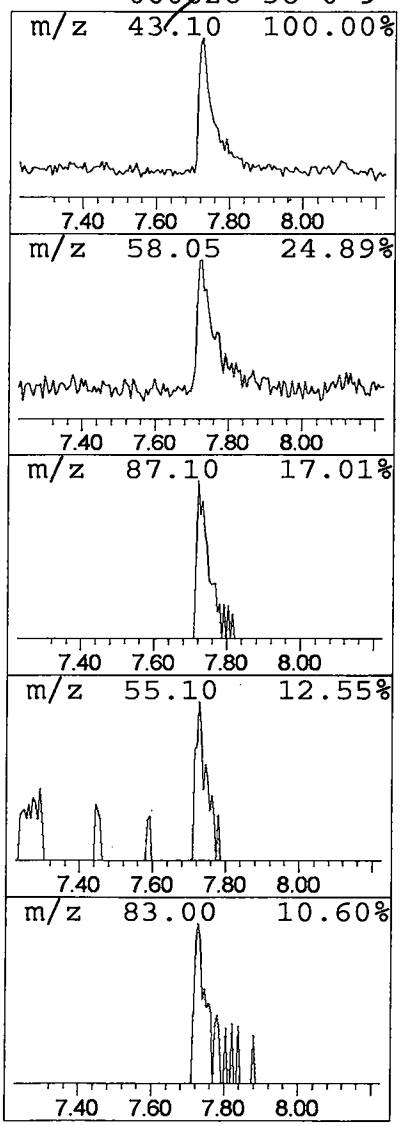
****

Peak Number 3 4-Penten-2-one, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	0.28 ug/L	288171	1,4-Dichlorobenzene-d4	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	14
2	2-Propanone, 1-cyclopropyl-	98	C6H10O	004160-75-2	9
3	4-Methyl-2-pentyl acetate	144	C8H16O2	000108-84-9	9
4	2-Pentanol, acetate	130	C7H14O2	000626-38-0	9





Library Search Compound Report

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Acq On : 10 May 2002 5:58 am Operator: Mclean
Sample : 5/8 eh Inst : Instrumen
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.e

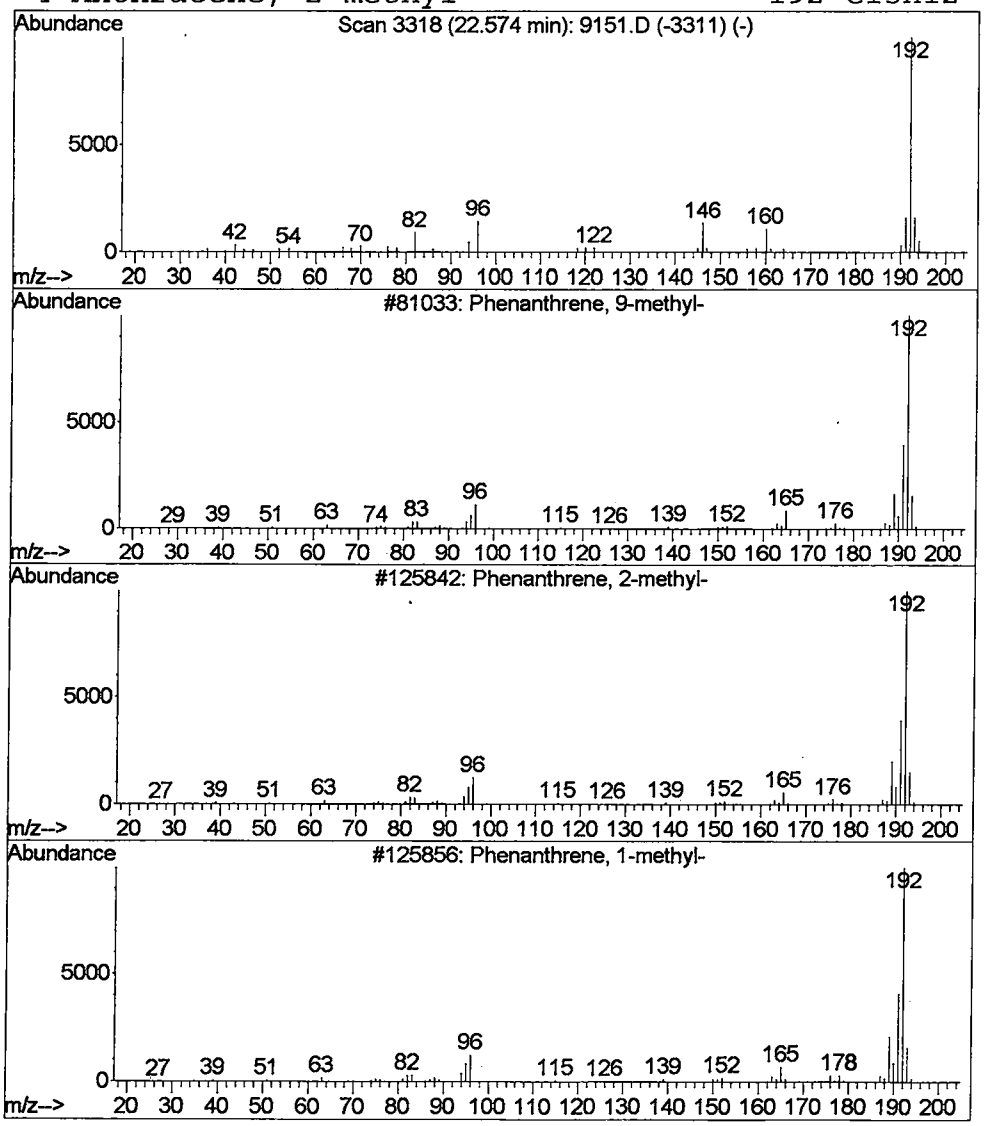
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

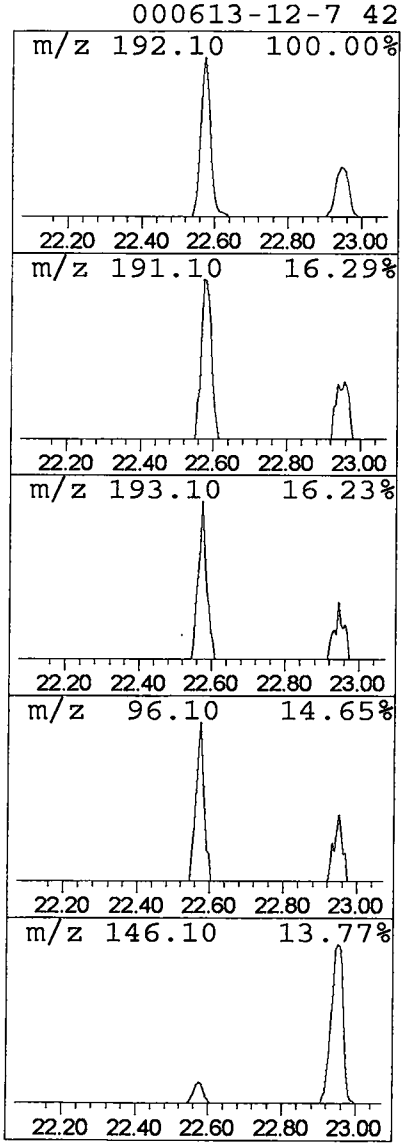
****

Peak Number 4 Phenanthrene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.58	0.36 ug/L	529623	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	59
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9151.D
Acq On : 10 May 2002 5:58 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 18
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

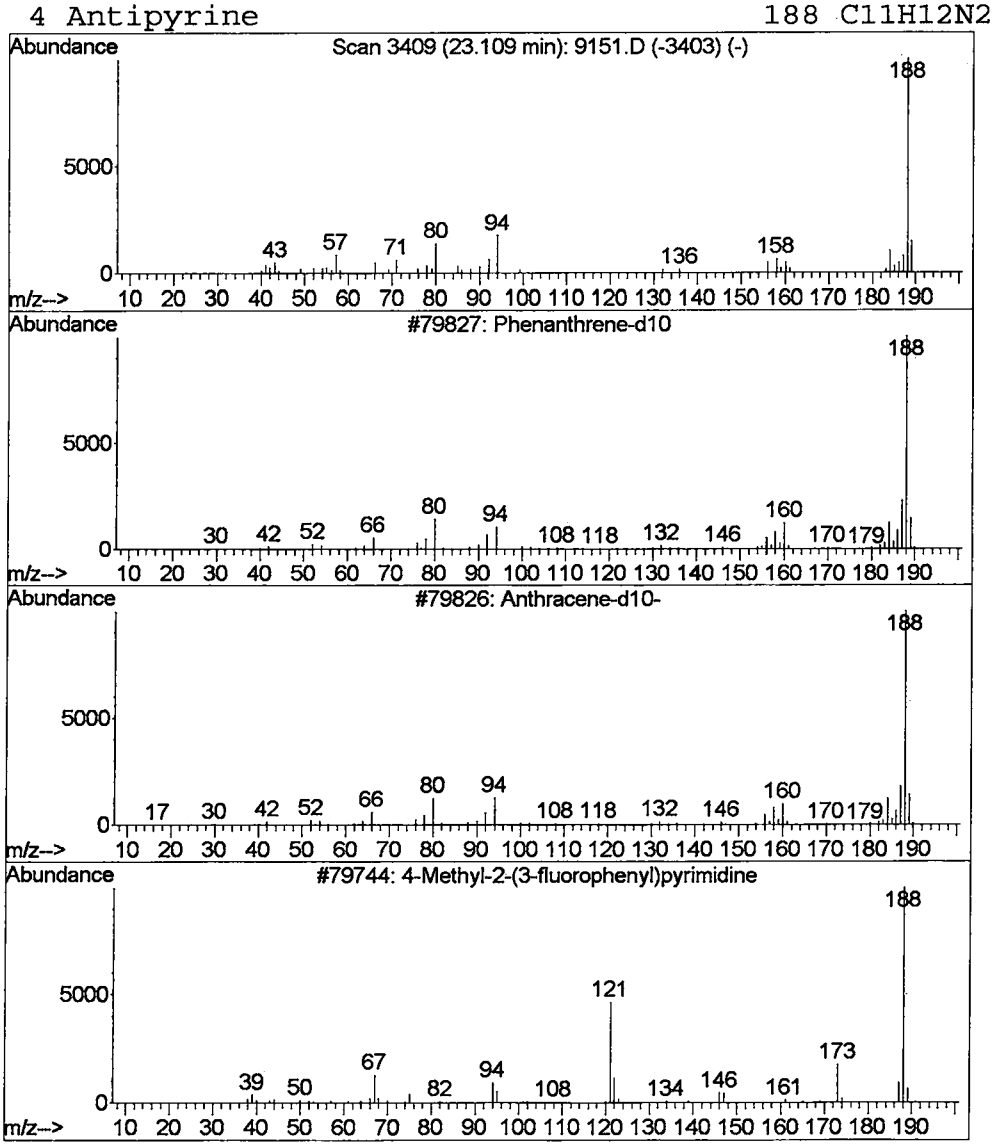
Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

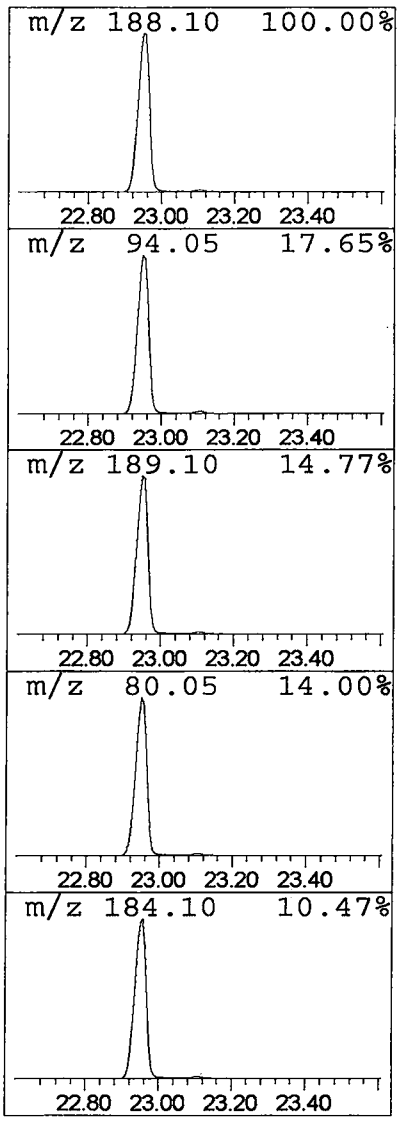
****

Peak Number 5 Phenanthrene-d10 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.11	0.53 ug/L	781181	Phenanthranene-d10	22.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene-d10	188	C14D10	001517-22-2	90
2	Anthracene-d10-	188	C14D10	001719-06-8	90
3	4-Methyl-2-(3-fluorophenyl)pyrim...	188	C11H9FN2	076128-66-0	40
4	Antipyrine	188	C11H12N2O	000060-80-0	40





Library Search Compound Report

Data File : C:\MSDCHEM\1\DATA\050902\9151.D
Acq On : 10 May 2002 5:58 am
Sample : 5/8 eh
Misc :
MS Integration Params: LSCINT.e

Vial: 18
Operator: Mclean
Inst : Instrumen
Multiplr: 1.00

Quant Method : C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title : 508 Modified GC/MS scan
Library : C:\DATABASE\NIST98.L

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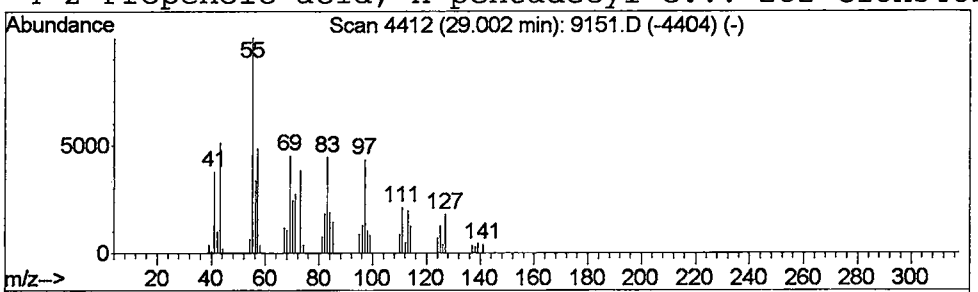
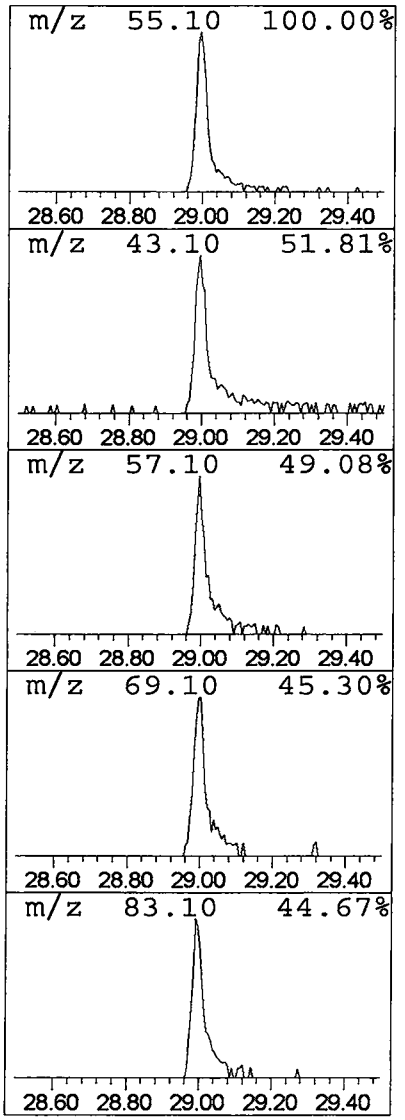
Peak Number 6 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.00	0.78 ug/L	951132	Chrysene-d12	30.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	68
2	1-Heptadecanol	256	C17H36O	001454-85-9	64
3	Dodecyl acrylate	240	C15H28O2	002156-97-0	64
4	2-Propenoic acid, n-pentadecyl e...	282	C18H34O2	1000245-64-0	64





Tentatively Identified Compound (LSC) summary

Operator ID: Mclean Date Acquired: 10 May 2002 5:58 am
Data File: C:\MSDCHEM\1\DATA\050902\9151.D
Name: 5/8 eh
Misc:
Method: C:\MSDCHEM\1\METHODS\050102.M (Chemstation Integrator)
Title: 508 Modified GC/MS scan
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Ethyl Chloride	3.74	0.3	ug/L	287923	1	9.94	40556500	40.0
2-Pentanone, 4-hy...	5.97	15.3	ug/L	15479500	1	9.94	40556500	40.0
4-Penten-2-one, 4...	7.73	0.3	ug/L	288171	1	9.94	40556500	40.0
Phenanthrene, 9-m...	22.58	0.4	ug/L	529623	4	22.96	58485900	40.0
Phenanthrene-d10	23.11	0.5	ug/L	781181	4	22.96	58485900	40.0
1-Docosene	29.00	0.8	ug/L	951132	5	30.81	48790000	40.0