User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/25/2002 Time: 15:24:00

Sample: AD31646
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/25/02 15:23 Ended: 1/25/02 15:23 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		93		5.0

Comments for Sample AD31646 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-25-2002 Time: 15:24:26

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.
The recoveries for 9 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 15:30:25 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

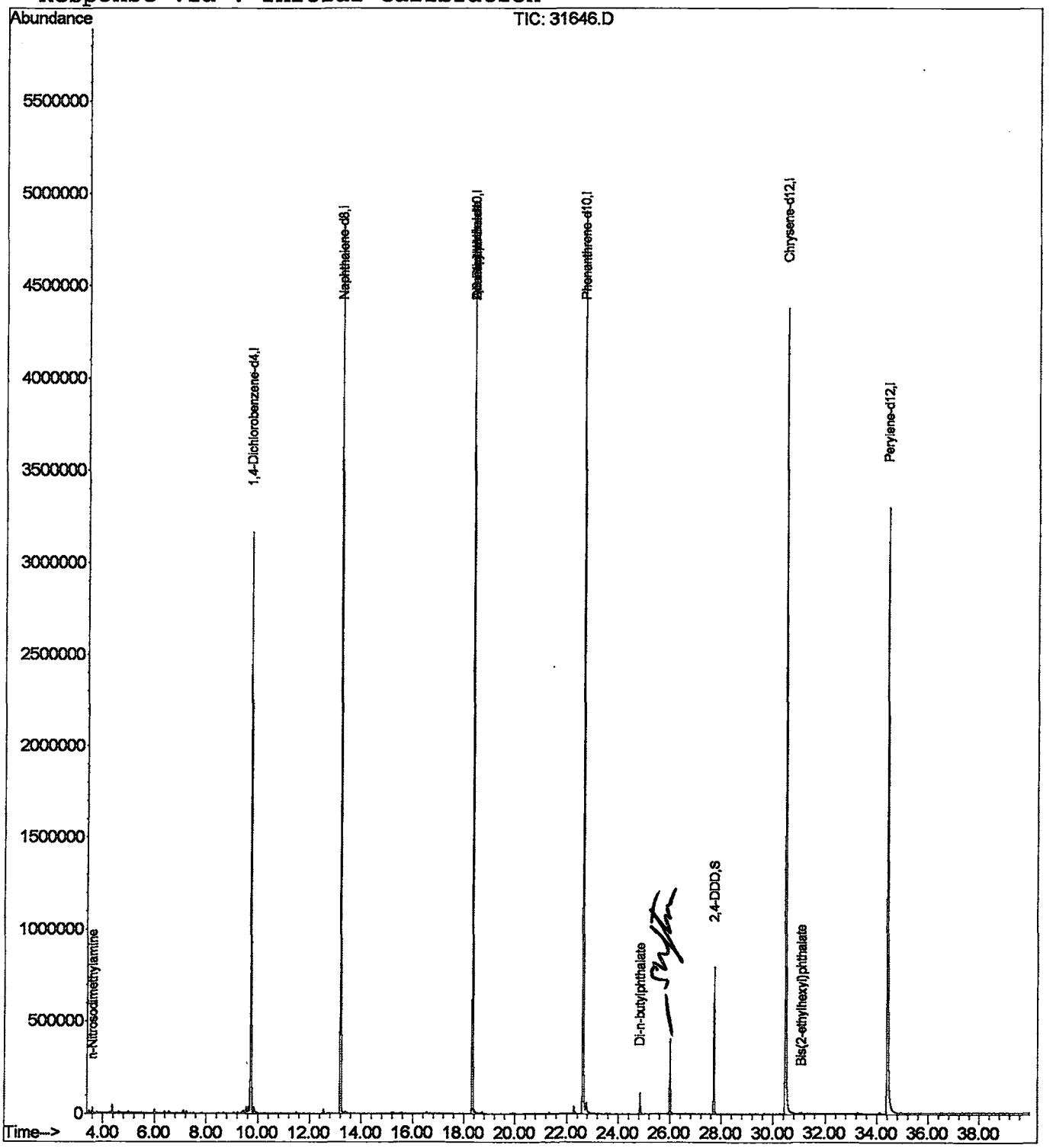
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1119920	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4690962	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2415640	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.63	188	3999290	20.00	ug/L	-0.03
38) Chrysene-d12	30.49	240	3561109	20.00	ug/L	-0.02
44) Perylene-d12	34.42	264	2637257	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	294092	4.65	ug/L	0.00
Spiked Amount 5.000			Recovery = 93.00%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	14312	0.30	ug/L #	13
20) Dimethylphthalate	18.34	163	385086	2.41	ug/L #	55
21) 2,6-Dinitrotoluene	18.34	165	304935	9.80	ug/L #	17
35) Di-n-butylphthalate	24.85	149	129755	0.50	ug/L	100
42) Bis(2-ethylhexyl)phthalate	31.11	149	7582	0.59	ug/L	100

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

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 22 15:30 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration



LSC Area Percent Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Smoothing : OFF Filtering: 5
Sampling : 2 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 20
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

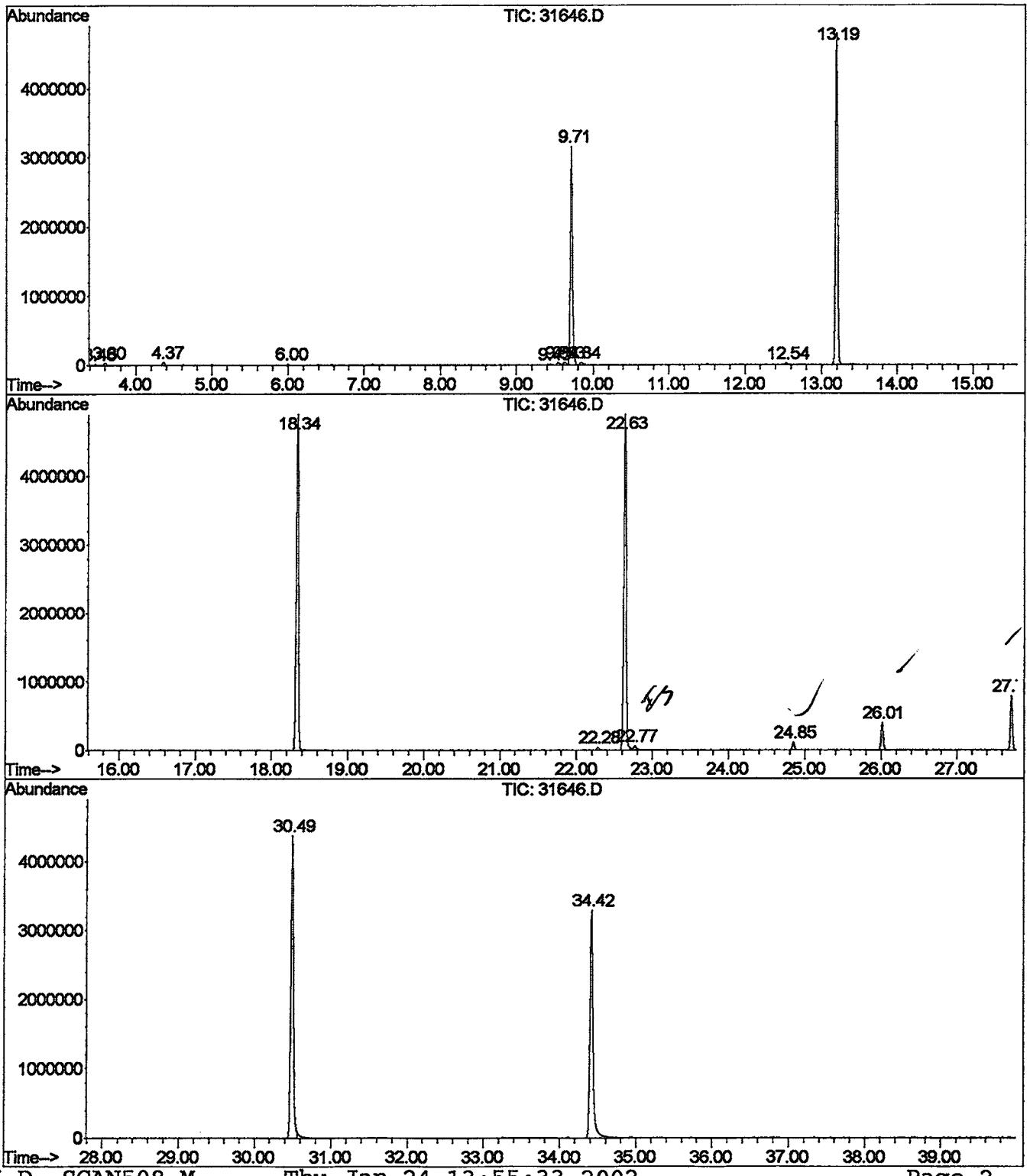
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.476	5	9	15	rVB	16313	36394	0.34%	0.062%
2	3.602	15	20	25	rBV	36209	64221	0.61%	0.110%
3	4.367	83	87	91	rBV	42593	78609	0.74%	0.135%
4	6.000	225	230	235	rBV2	17221	32076	0.30%	0.055%
5	9.447	527	532	537	rVB2	14237	42730	0.40%	0.073%
6	9.539	537	540	545	rBV	34034	79898	0.76%	0.137%
7	9.630	545	548	551	rVV	36649	85477	0.81%	0.147%
8	9.710	551	555	563	rVV	3161402	6424934	60.72%	11.027%
9	9.836	563	566	581	rVB	33686	107684	1.02%	0.185%
10	12.541	799	803	809	rVB	23760	39855	0.38%	0.068%
11	13.192	855	860	865	rBV	4793108	9042504	85.45%	15.520%
12	18.341	1305	1311	1315	rBV	4908791	9773946	92.37%	16.775%
13	22.280	1653	1656	1661	rVB2	38844	70052	0.66%	0.120%
14	22.634	1681	1687	1693	rBV2	4902088	10581670	100.00%	18.162%
15	22.771	1695	1699	1707	rVB2	56791	153226	1.45%	0.263%
16	24.849	1877	1881	1887	rVV	113155	202118	1.91%	0.347%
17	26.013	1977	1983	1987	rBV	399008	733950	6.94%	1.260%
18	27.726	2127	2133	2137	rBV	795391	1446151	13.67%	2.482%
19	30.489	2369	2375	2381	rBV2	4376157	10344775	97.76%	17.755%
20	34.416	2713	2719	2743	rBV	3292851	8923139	84.33%	15.315%

Sum of corrected areas: 58263409

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN22\31646.D
Operator :
Acquired : 22 Jan 2002 1:02 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 22, 2002
Vial Number: 2
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

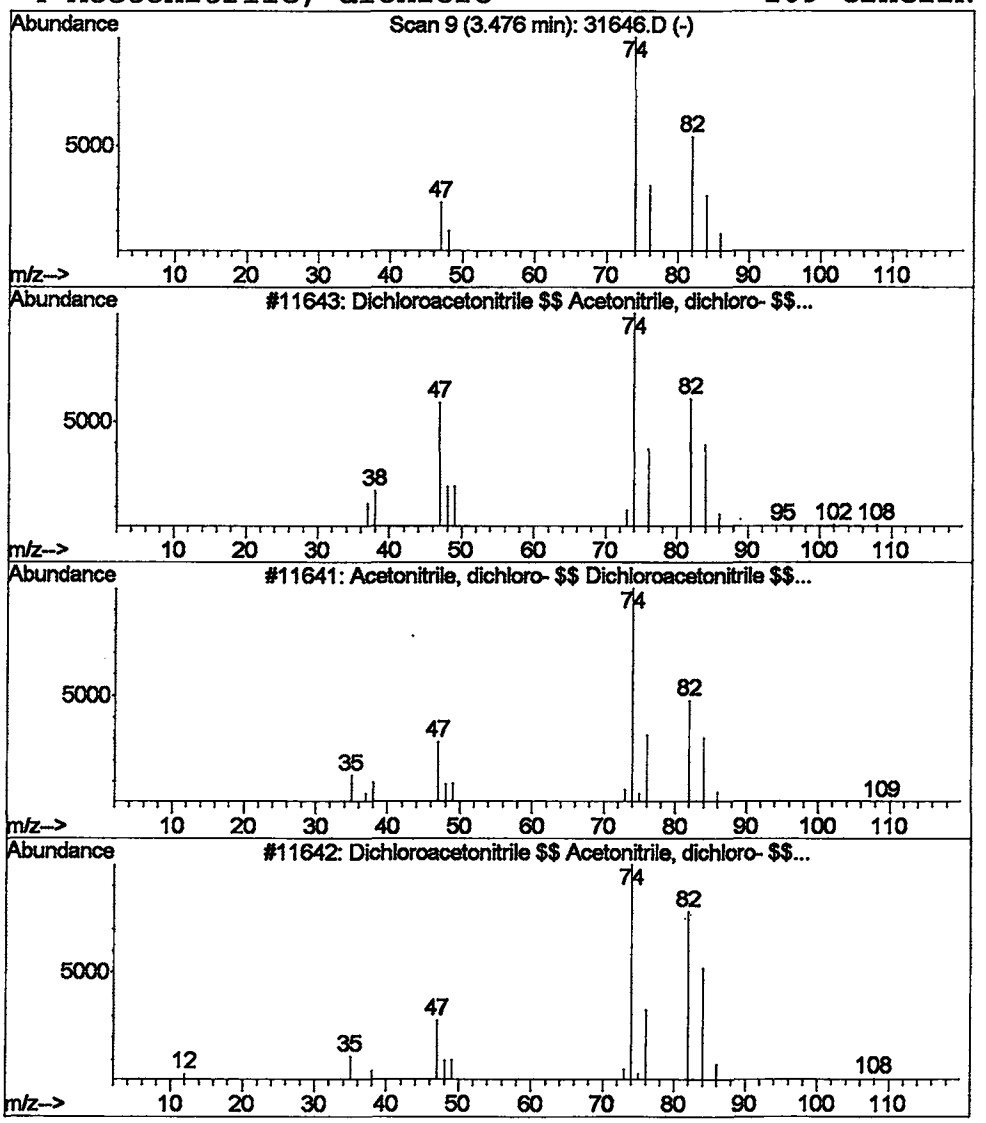
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

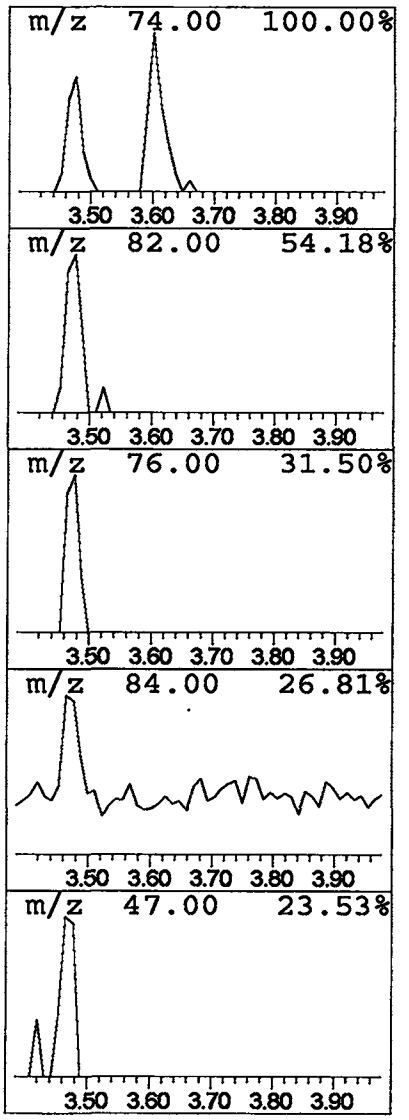
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	0.11 ug/L	36394	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	83
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
4	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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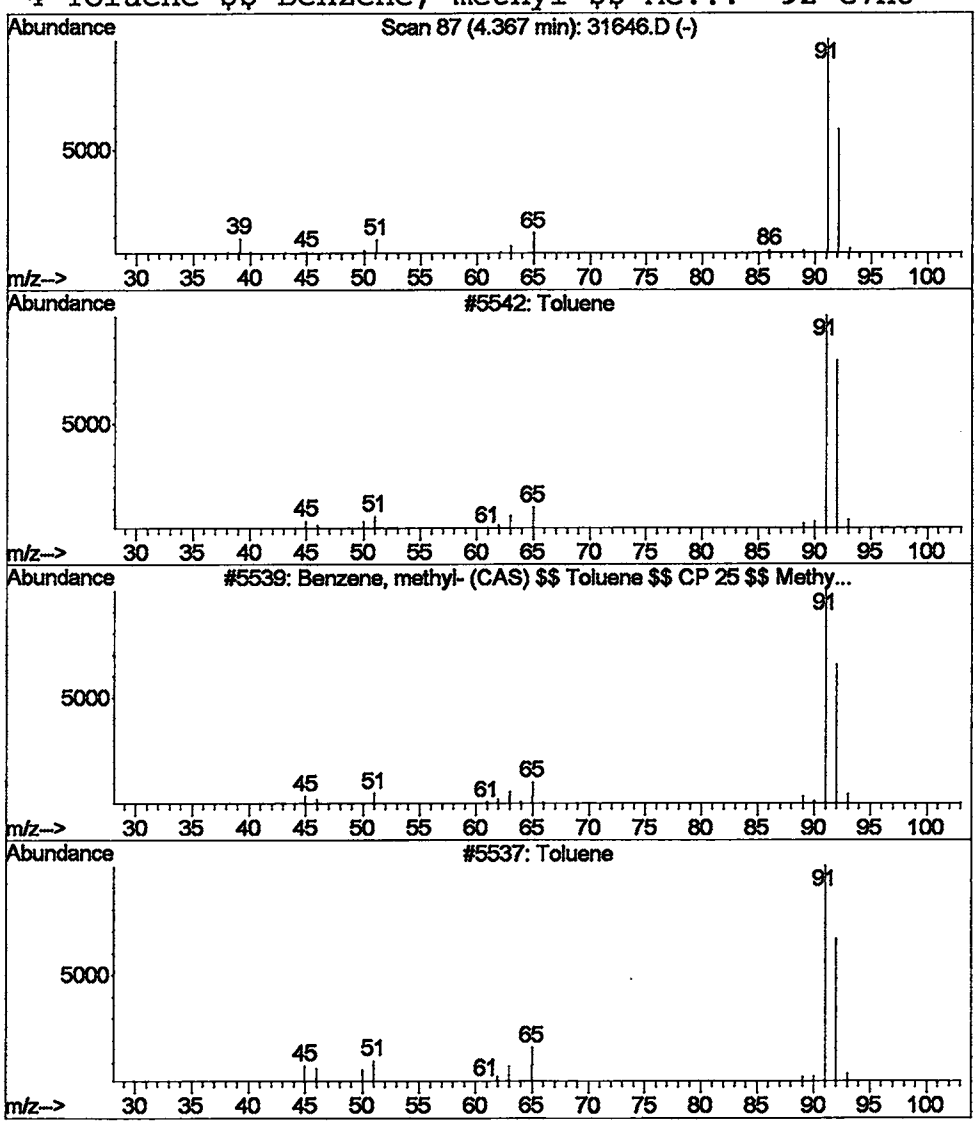
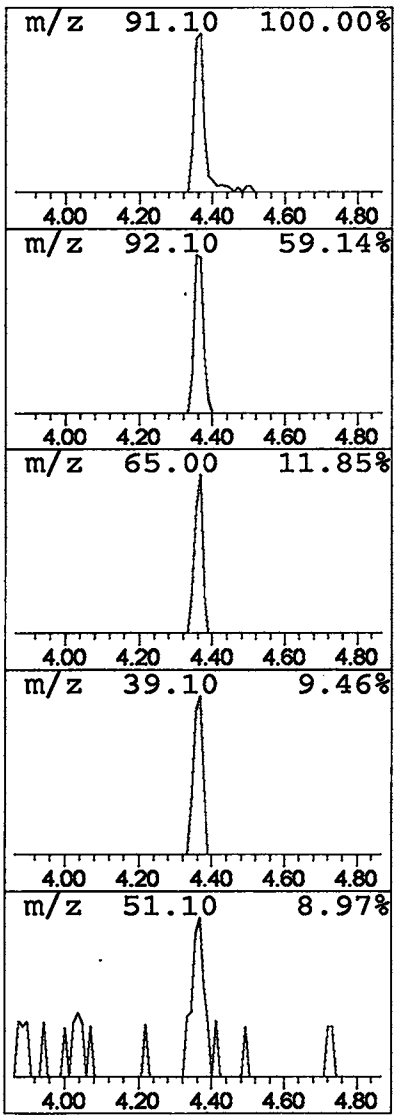
Peak Number 2 Toluene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.37	0.24 ug/L	78609	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	91
2	Benzene, methyl- (CAS) $$ Toluen...	92	C7H8	000108-88-3	91
3	Toluene	92	C7H8	000108-88-3	91
4	Toluene $$ Benzene, methyl $$ Me...	92	C7H8	000108-88-3	90





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

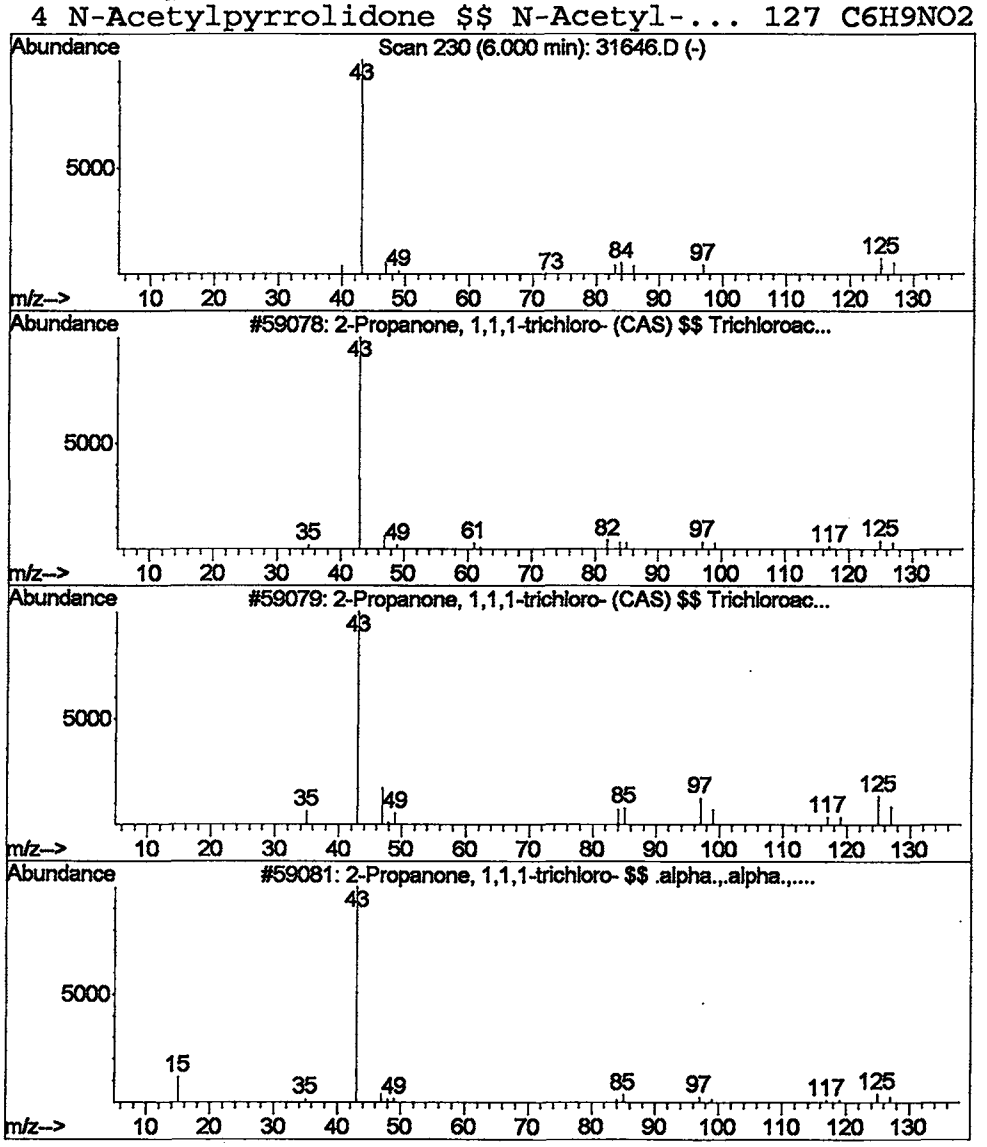
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

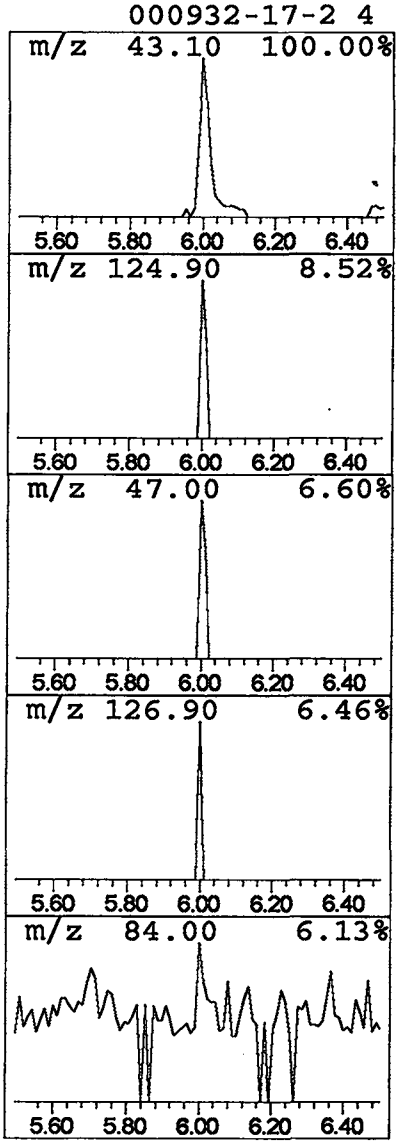
****

Peak Number 3 2-Propanone, 1,1,1-trichlor... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.10 ug/L	32076	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	56
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	9
3	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	9
4	N-Acetylpyrrolidone $$ N-Acetyl-...	127	C6H9NO2	000932-17-2	4





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

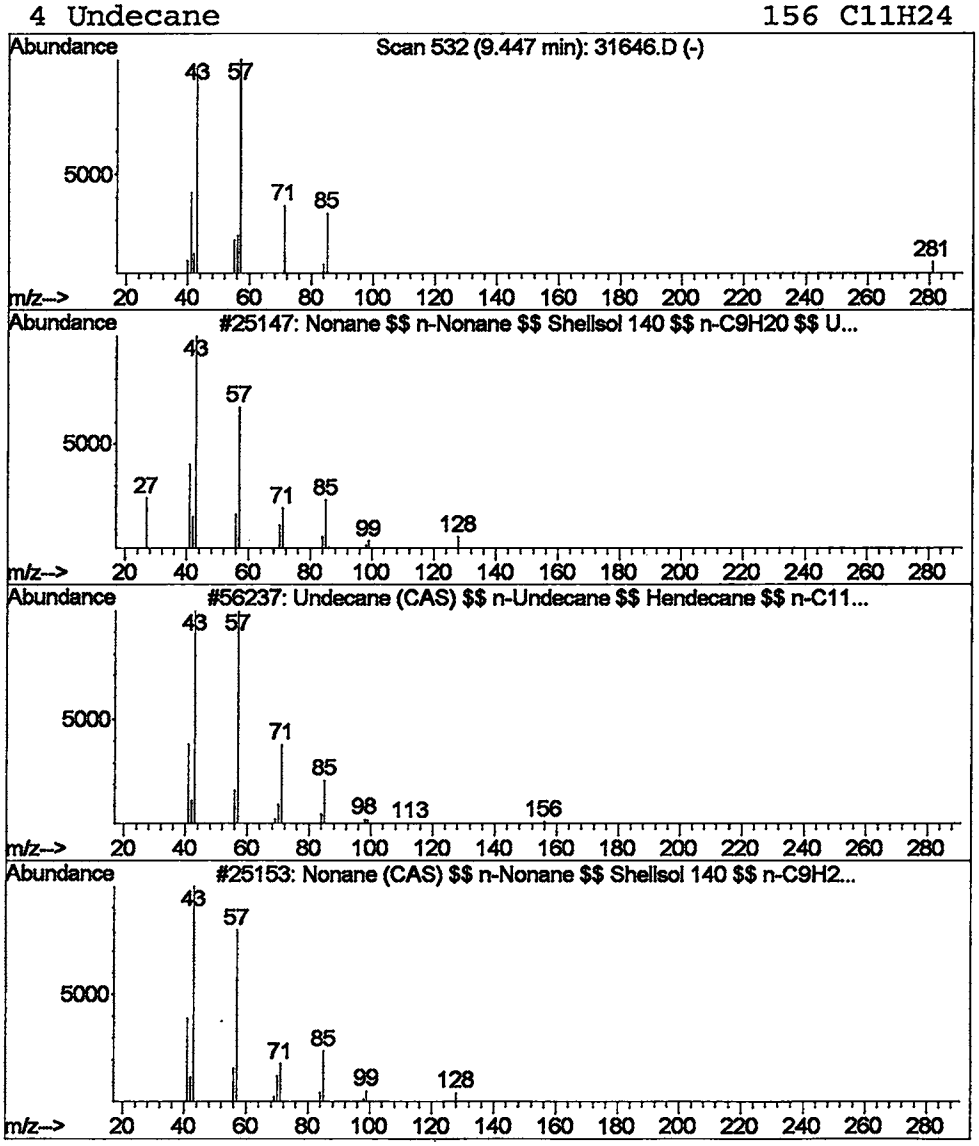
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

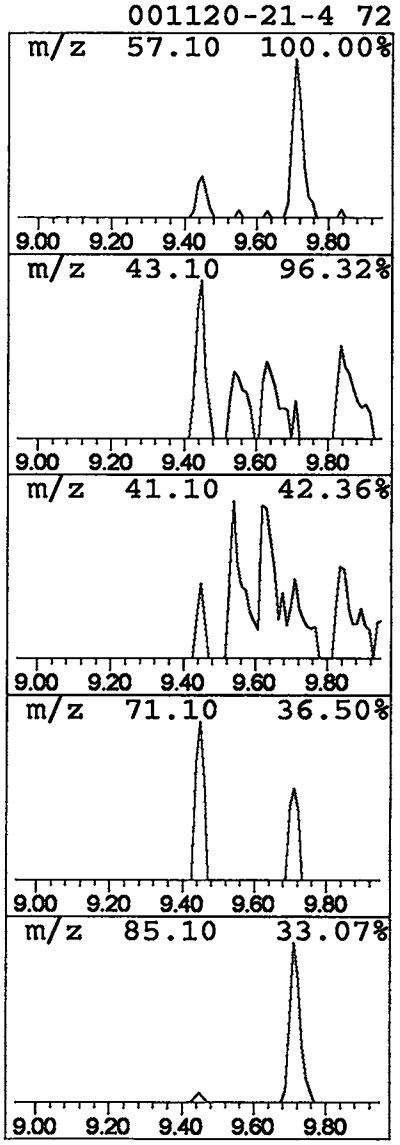
****

Peak Number 4 Nonane $$ n-Nonane $$ Shell... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	0.13 ug/L	42730	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane $$ n-Nonane $$ Shellsol 1...	128	C9H20	000111-84-2	72
2	Undecane (CAS) $$ n-Undecane $$ ...	156	C11H24	001120-21-4	72
3	Nonane (CAS) $$ n-Nonane $$ Shel...	128	C9H20	000111-84-2	72
4	Undecane	156	C11H24	001120-21-4	72





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

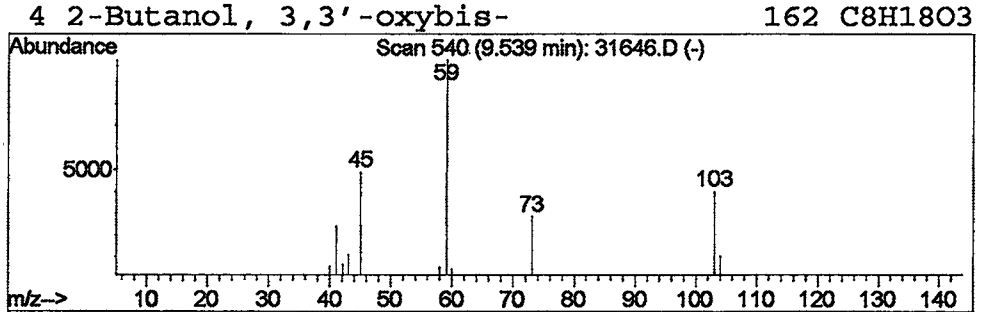
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

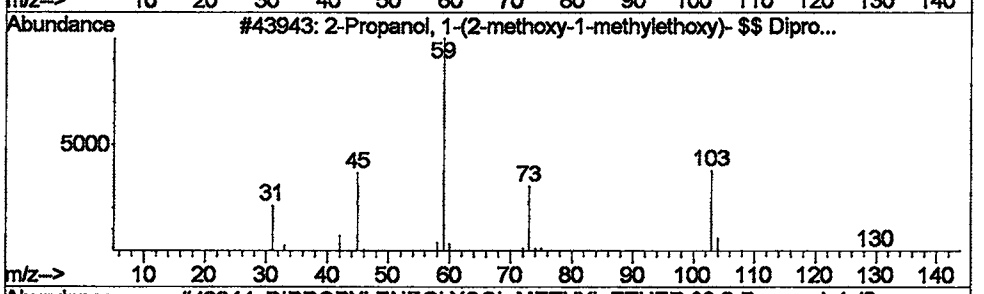
****

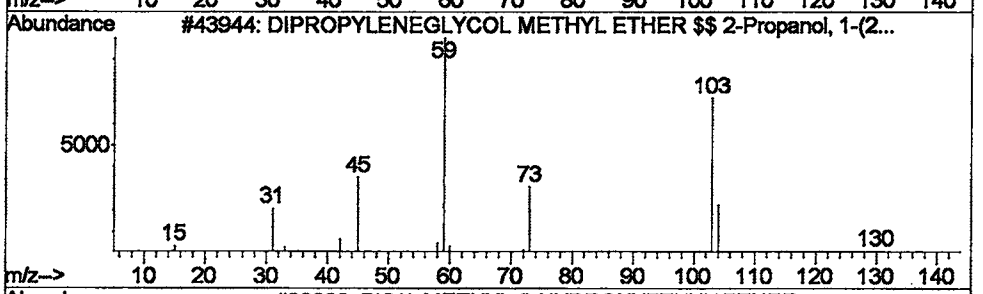
Peak Number 5 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

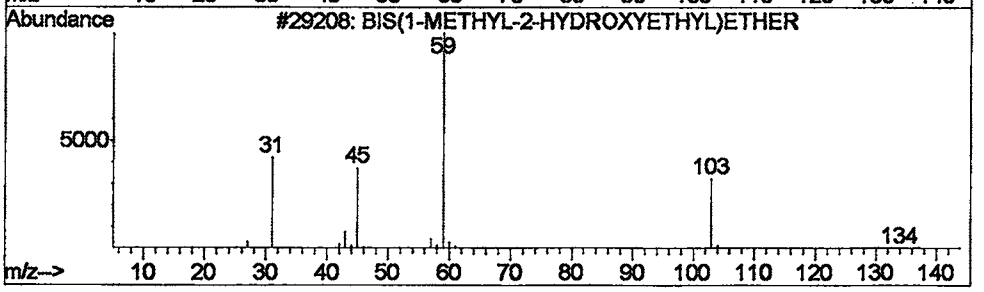
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.25 ug/L	79898	1,4-Dichlorobenzene-d4	9.71

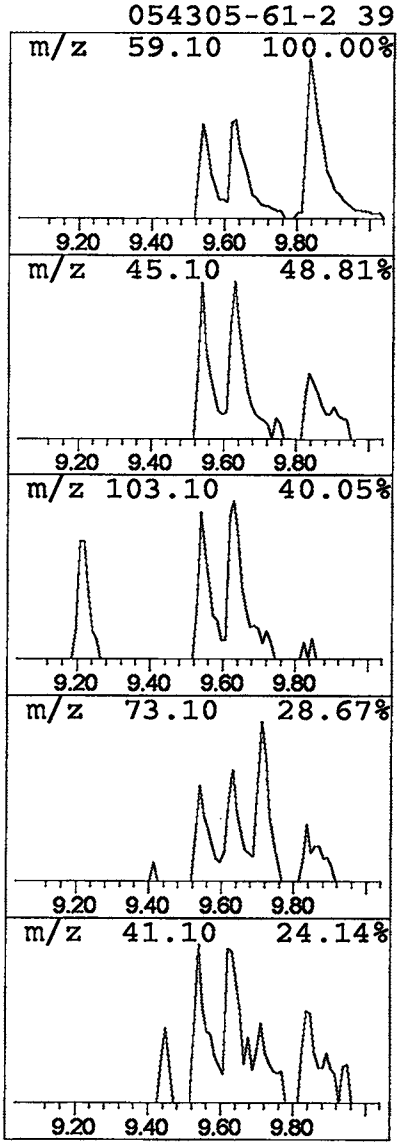
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	56
3	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	39
4	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	39











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

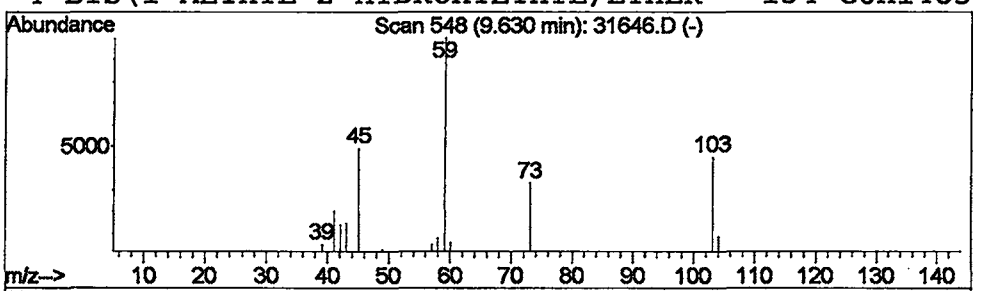
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

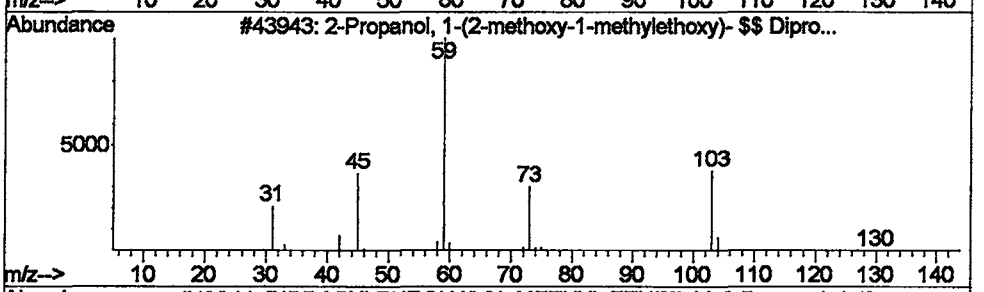
****

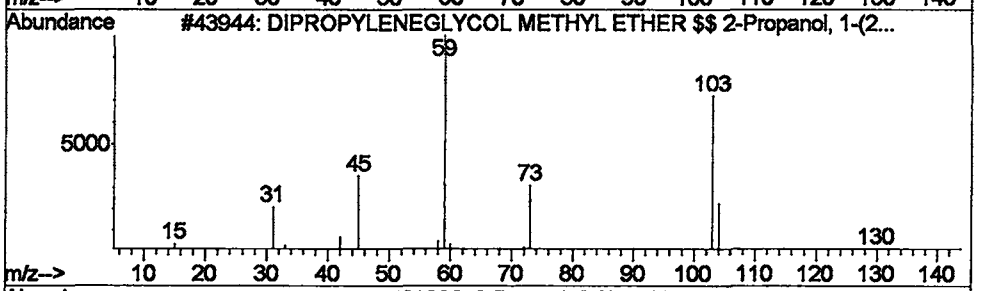
Peak Number 6 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 4

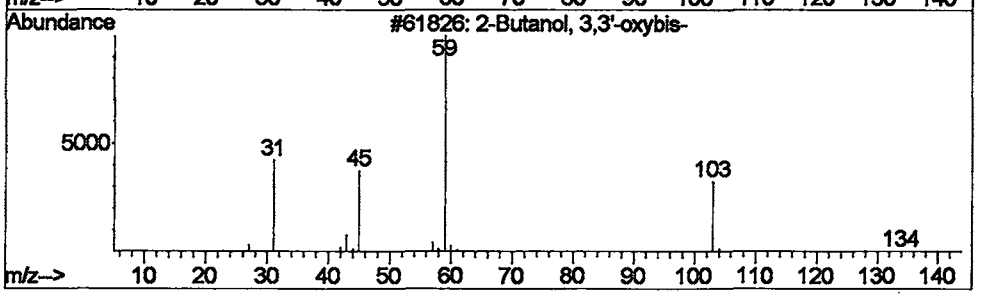
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.27 ug/L	85477	1,4-Dichlorobenzene-d4	9.71

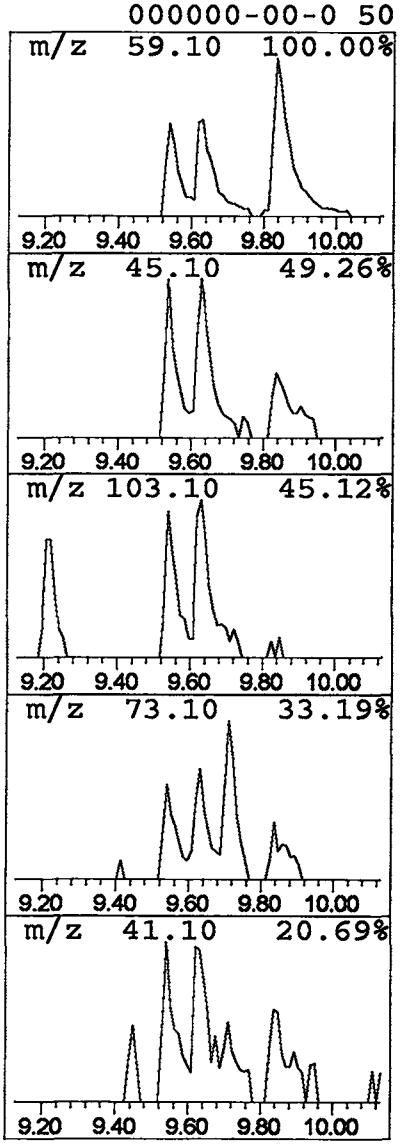
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	72
2	DIPROPYLENEGLYCOL METHYL ETHER $...	148	C7H16O3	020324-32-7	56
3	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	50
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	50











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

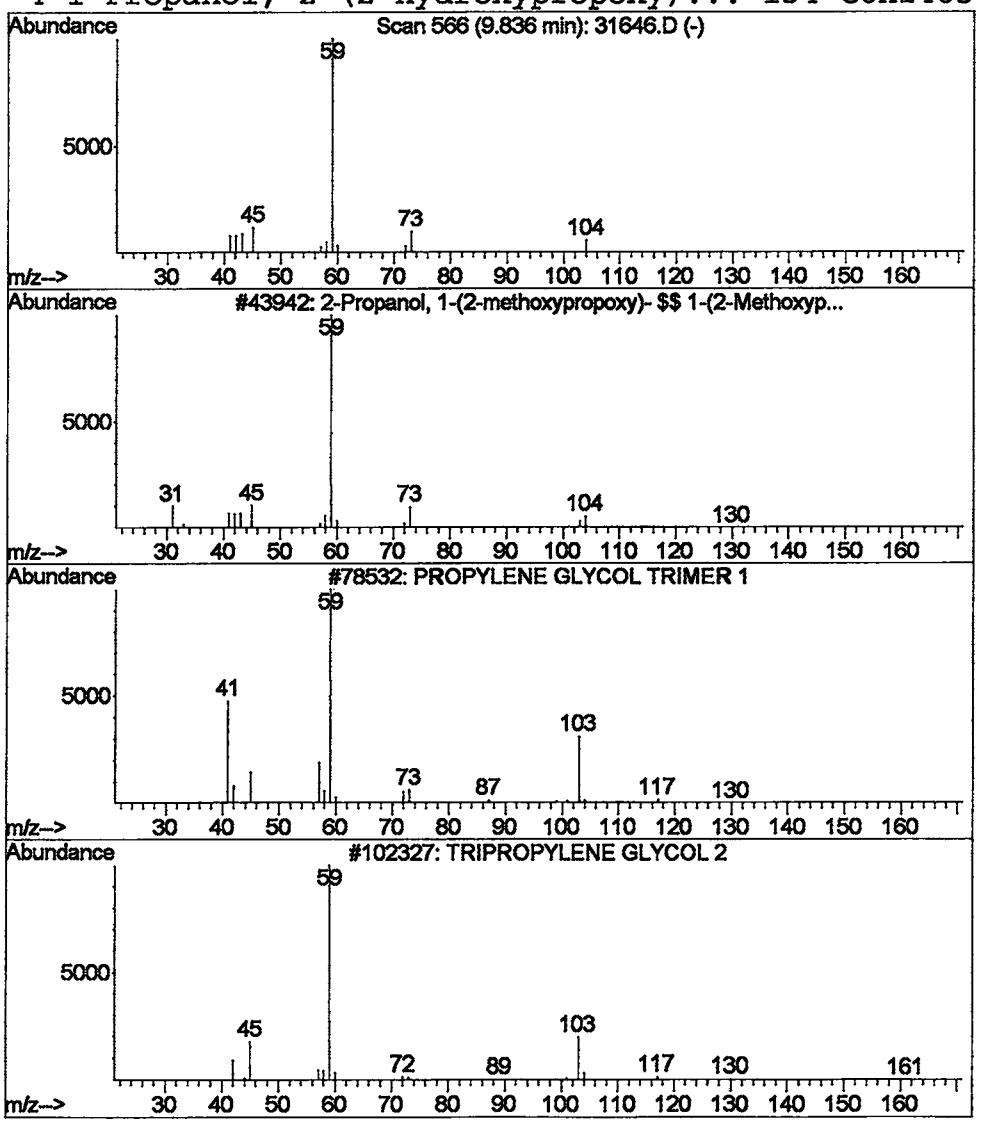
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

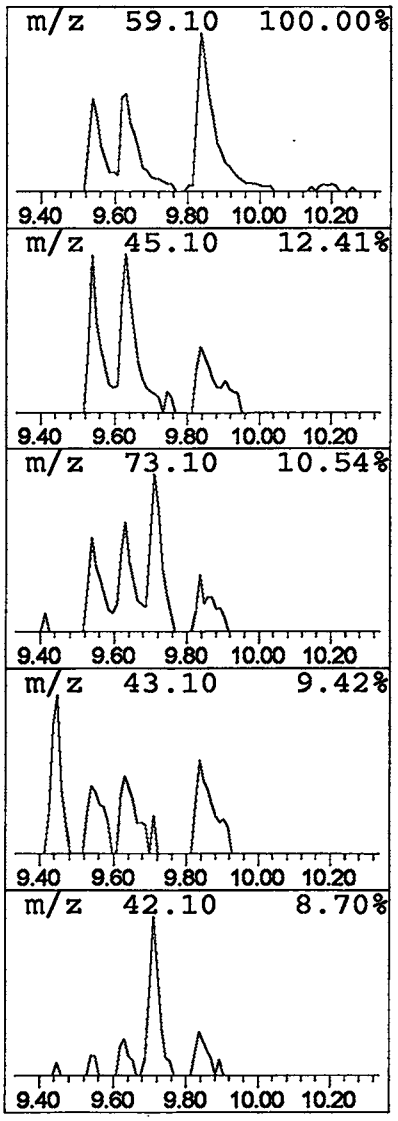
****

Peak Number 7 2-Propanol, 1-(2-methoxypro... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.34 ug/L	107684	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	83
2	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	43
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	40
4	1-Propanol, 2-(2-hydroxypropoxy)...	134	C6H14O3	000106-62-7	38





Library Search Compound Report

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Acq On : 22 Jan 2002 1:02 pm Operator:
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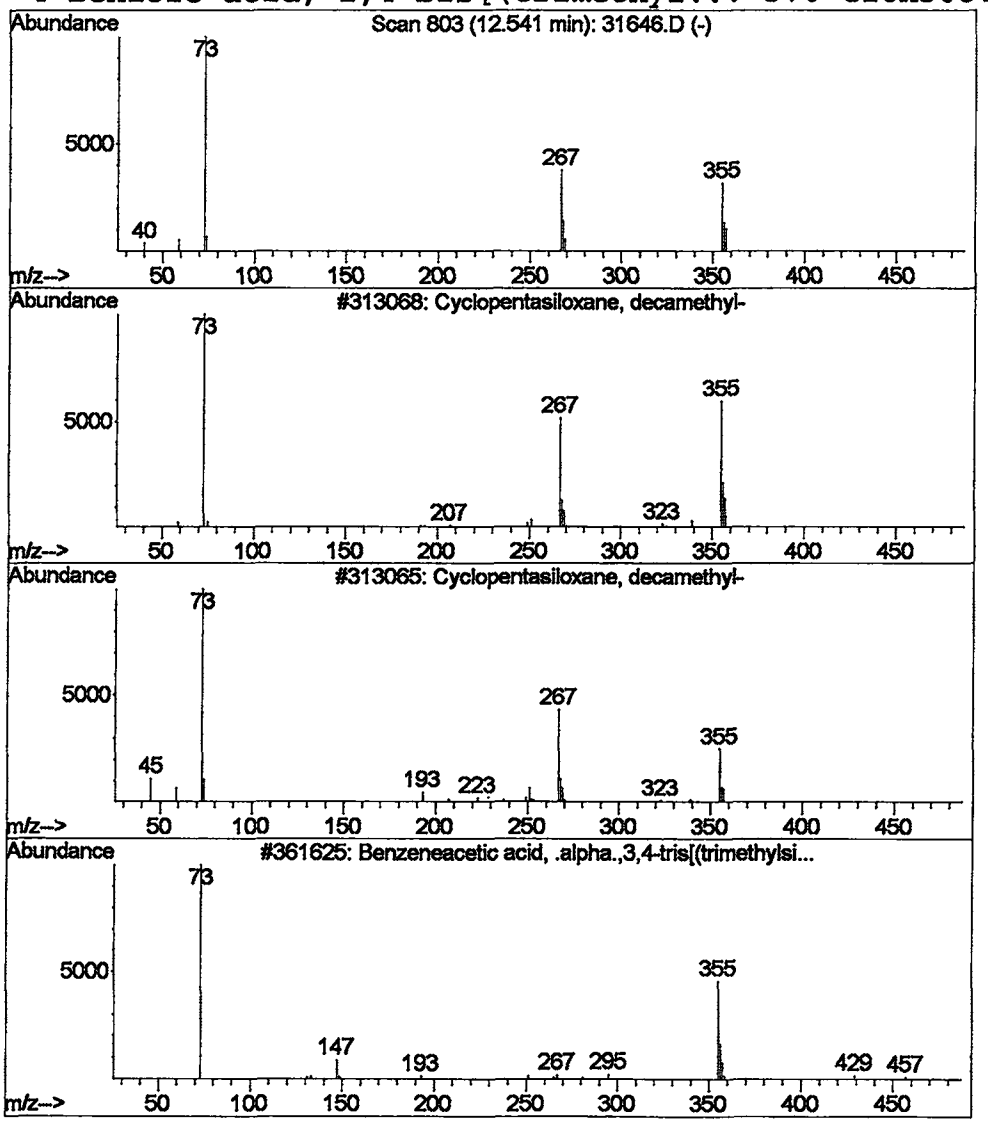
Library : C:\DATABASE\WILEY7N.L

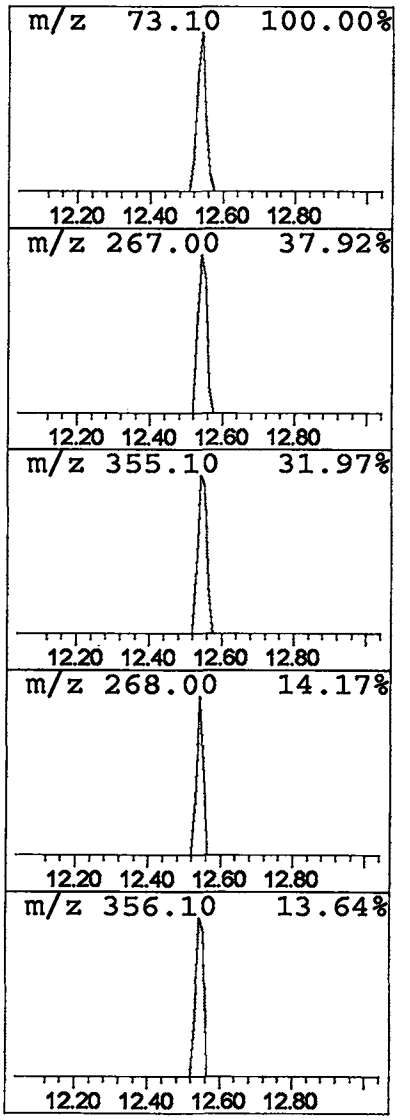
****

Peak Number 8 Cyclopentasiloxane, decamet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	0.09 ug/L	39855	Naphthalene-d8	13.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	83
2	Cyclopentasiloxane, decamethyl-	370	C10H30O5Si5	000541-02-6	56
3	Benzeneacetic acid, .alpha.,3,4-...	472	C20H40O5Si4	037148-65-5	33
4	Benzoic acid, 2,4-bis[(trimethyl...	370	C16H30O4Si3	010586-16-0	33





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

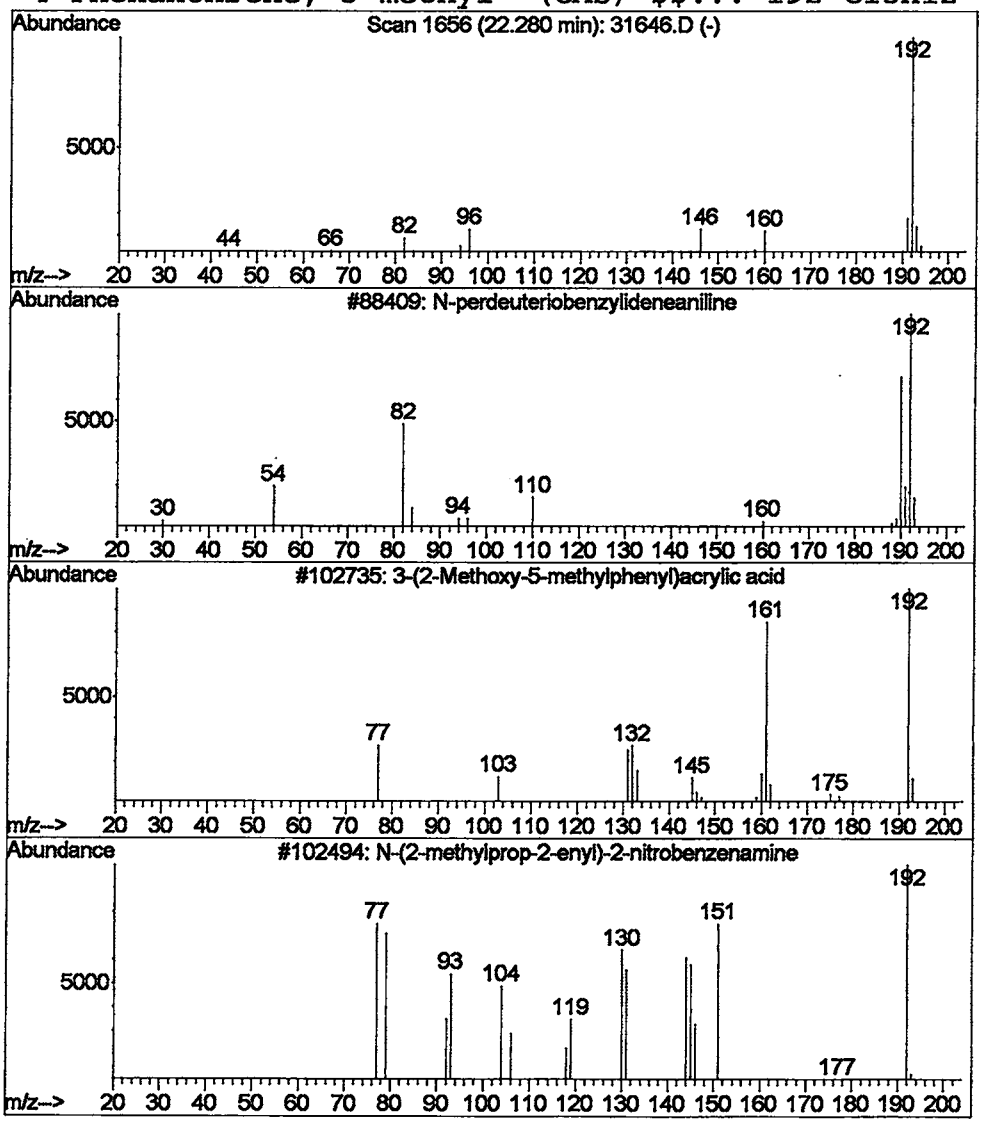
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

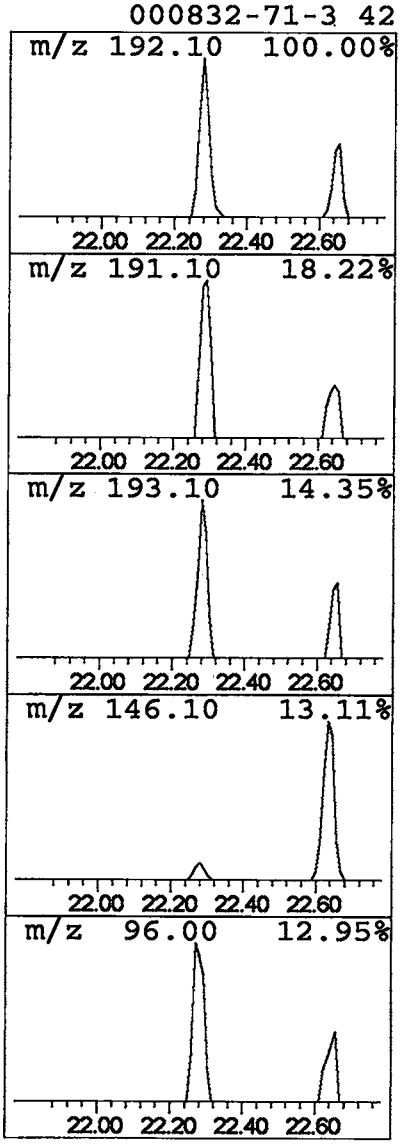
****

Peak Number 9 N-perdeuteriobenzylideneani... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.13 ug/L	70052	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
2	3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	53
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
4	Phenanthrene, 3-methyl- (CAS) $$...	192	C15H12	000832-71-3	42





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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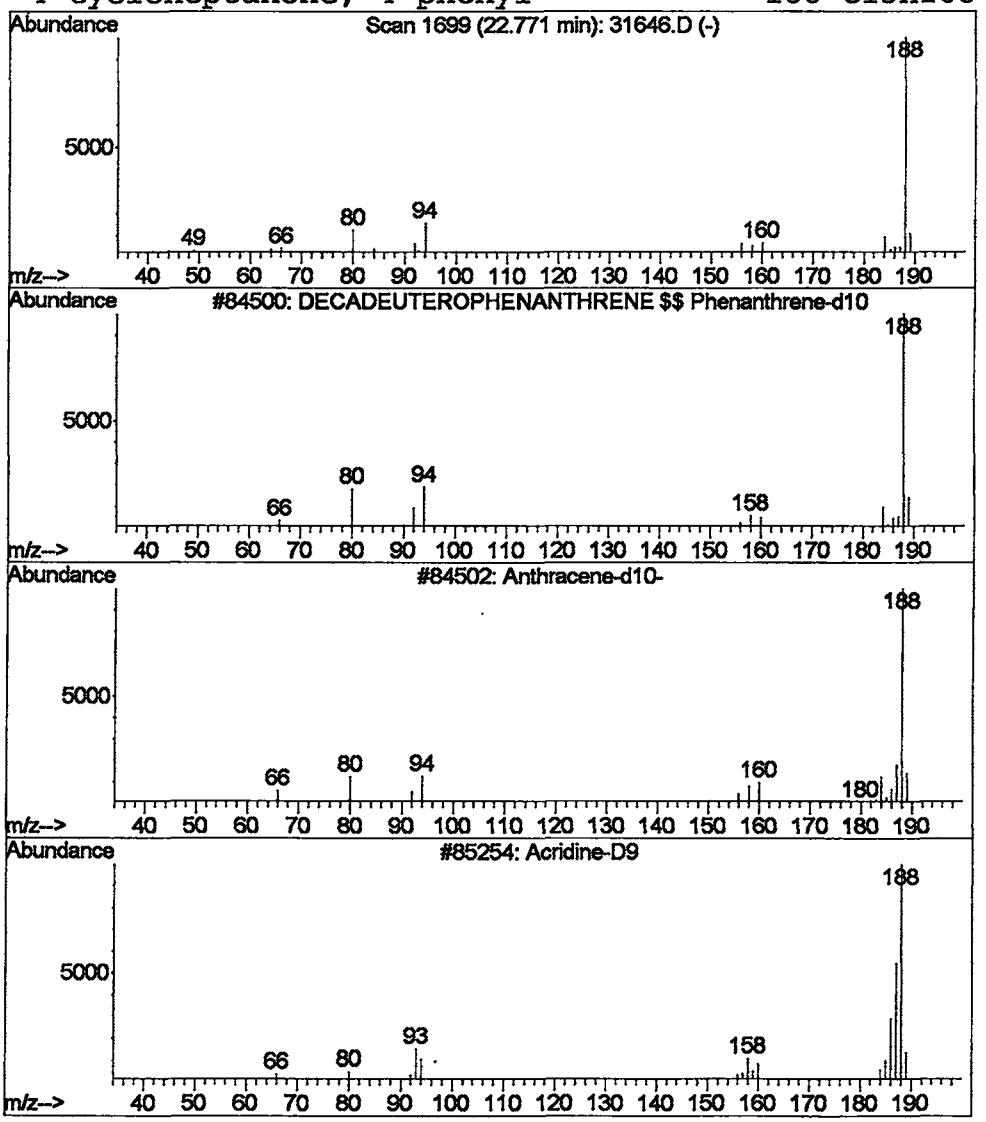
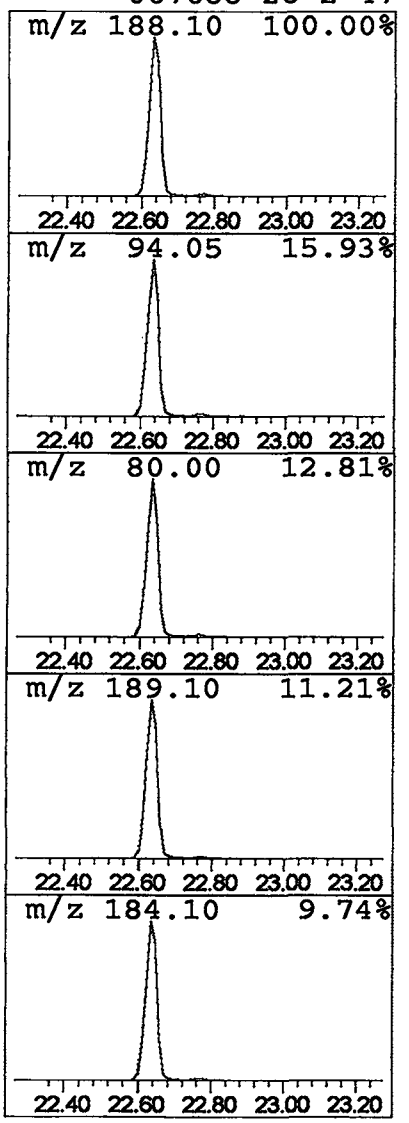
Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.29 ug/L	153226	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	93
2	Anthracene-d10-	188	C14D10	001719-06-8	93
3	Acridine-D9	188	C13D9N	000000-00-0	64
4	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	47





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN22\31646.D Vial: 2
Acq On : 22 Jan 2002 1:02 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 22, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

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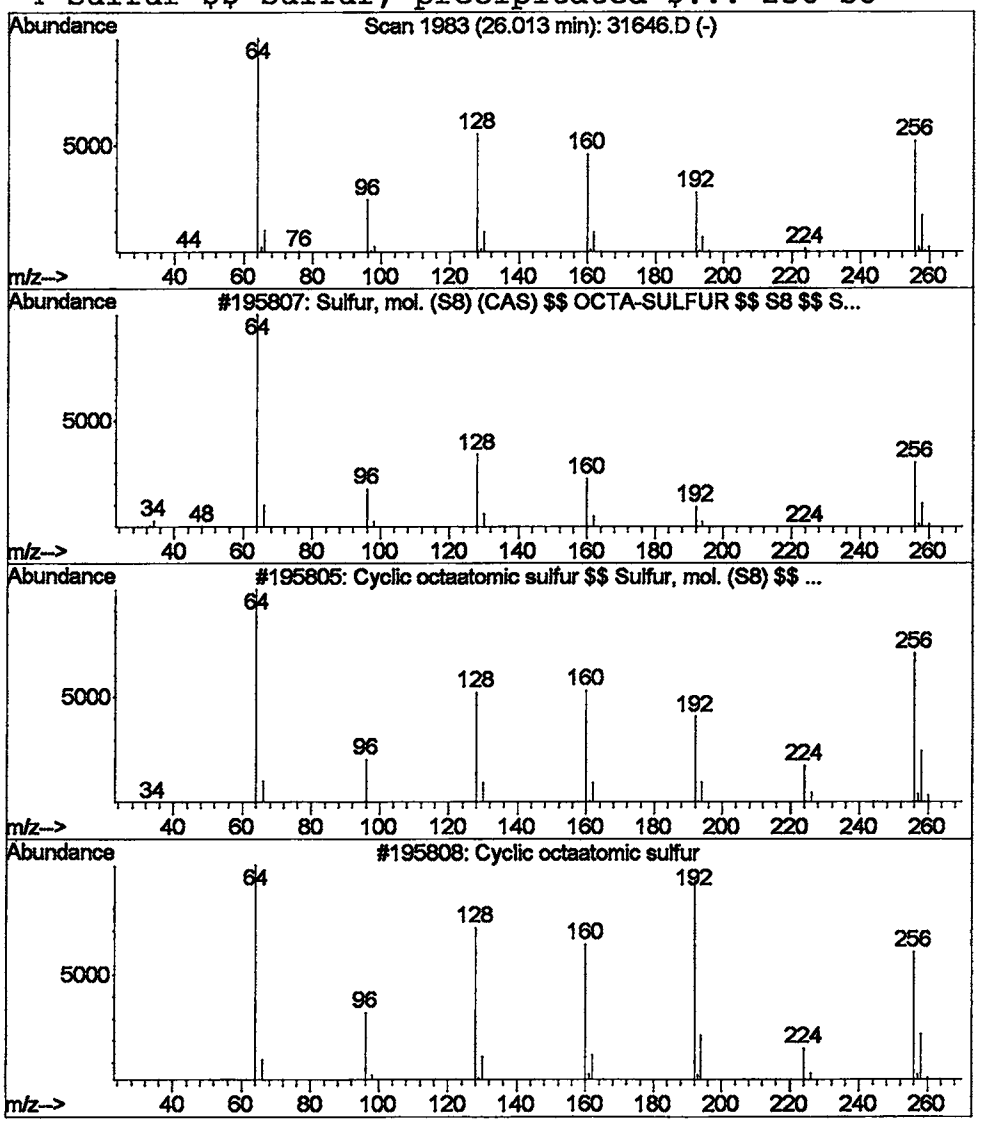
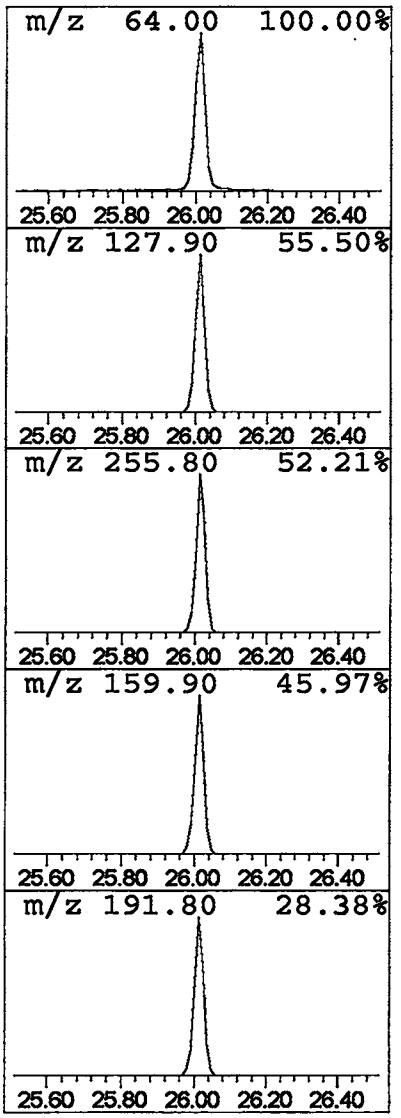
Peak Number 11 Sulfur, mol. (S8) (CAS) $$ ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.01	1.39 ug/L	733950	Phenanthrene-d10	22.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur, mol. (S8) (CAS) $$ OCTA-...	256	S8	010544-50-0	96
2	Cyclic octaatomic sulfur $$ Sulf...	256	S8	010544-50-0	95
3	Cyclic octaatomic sulfur	256	S8	010544-50-0	94
4	Sulfur $$ Sulfur, precipitated $...	256	S8	007704-34-9	94





Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 22 Jan 2002 1:02 pm
Data File: C:\MSDCHEM\1\5973N\02JAN22\31646.D
Name: 508 scan
Misc: January 22, 2002
Method: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title: 508 scan method
Library Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
Dichloroacetonitr...	3.48	0.1	ug/L	36394	1	9.71	6424930	20.0
Toluene	4.37	0.2	ug/L	78609	1	9.71	6424930	20.0
2-Propanone, 1,1,...	6.00	0.1	ug/L	32076	1	9.71	6424930	20.0
Nonane $$ n-Nonan...	9.45	0.1	ug/L	42730	1	9.71	6424930	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	79898	1	9.71	6424930	20.0
2-Propanol, 1-(2-...	9.63	0.3	ug/L	85477	1	9.71	6424930	20.0
2-Propanol, 1-(2-...	9.84	0.3	ug/L	107684	1	9.71	6424930	20.0
Cyclopentasiloxan...	12.54	0.1	ug/L	39855	2	13.19	9042500	20.0
N-perdeuteriobenz...	22.28	0.1	ug/L	70052	4	22.63	10581700	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	153226	4	22.63	10581700	20.0
Sulfur, mol. (S8)...	26.01	1.4	ug/L	733950	4	22.63	10581700	20.0