User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/04/2002 Time: 13:46:24

Sample: AE00843
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/4/02 13:45 Ended: 2/4/02 13:45 Analyst: DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		82		5.0

Comments for Sample AE00843 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-04-2002 Time: 13:46:18

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds. The recoveries for 7 of the 43 compounds in the LCS Standard were above their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 01 08:46:12 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

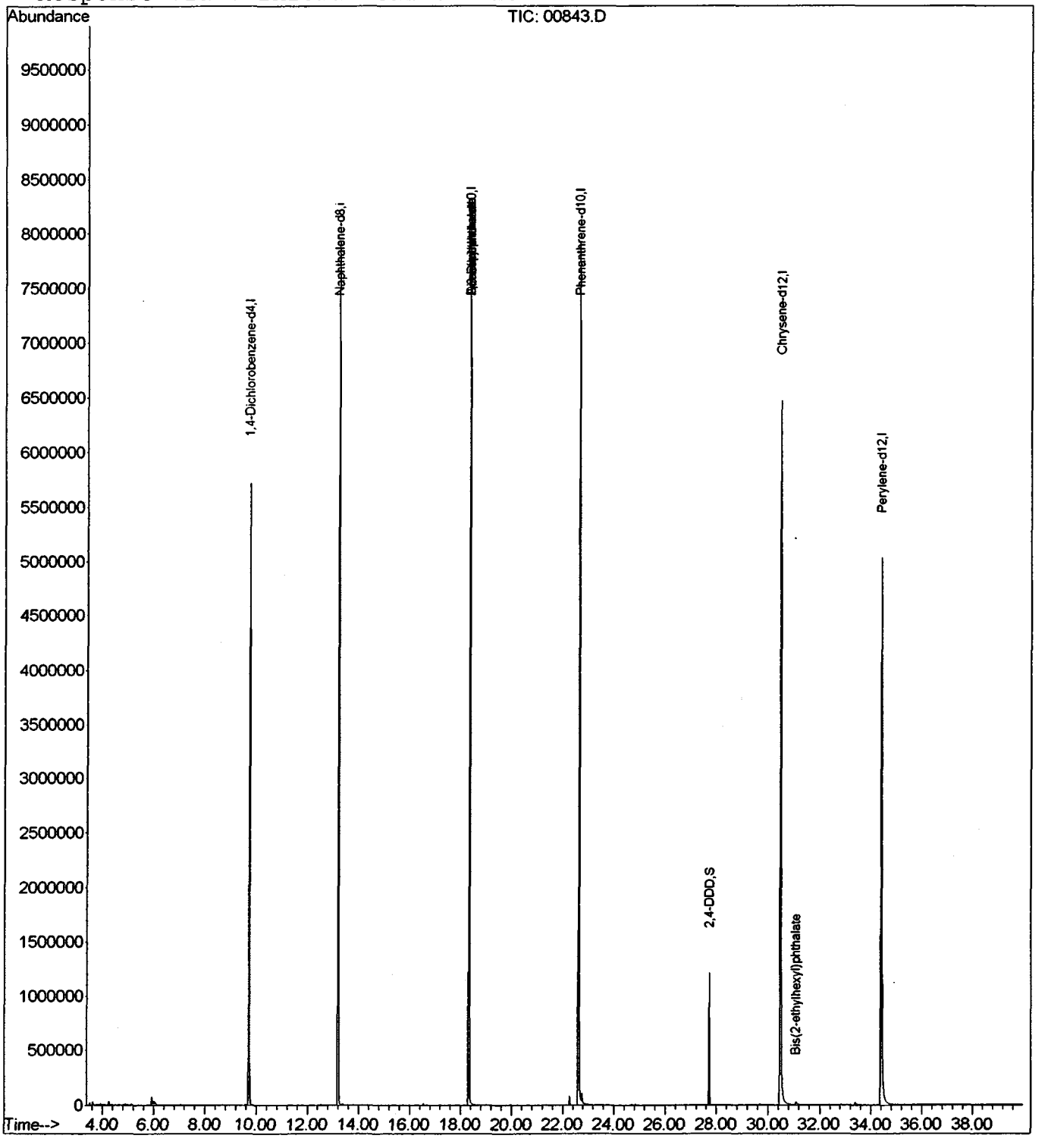
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.71	152	1929288	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	8235587	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	4323885	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6852705	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	5765242	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	4156211	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	442722	4.09	ug/L	0.00
Spiked Amount 5.000			Recovery = 81.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	702590	2.46	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	547525	9.83	ug/L #	17
42) Bis(2-ethylhexyl)phthalate	31.11	149	47572	0.71	ug/L	87

(#) = qualifier out of range (m) = manual integration
00843.D SCAN508.M Fri Feb 01 08:46:13 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 1 8:46 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\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 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

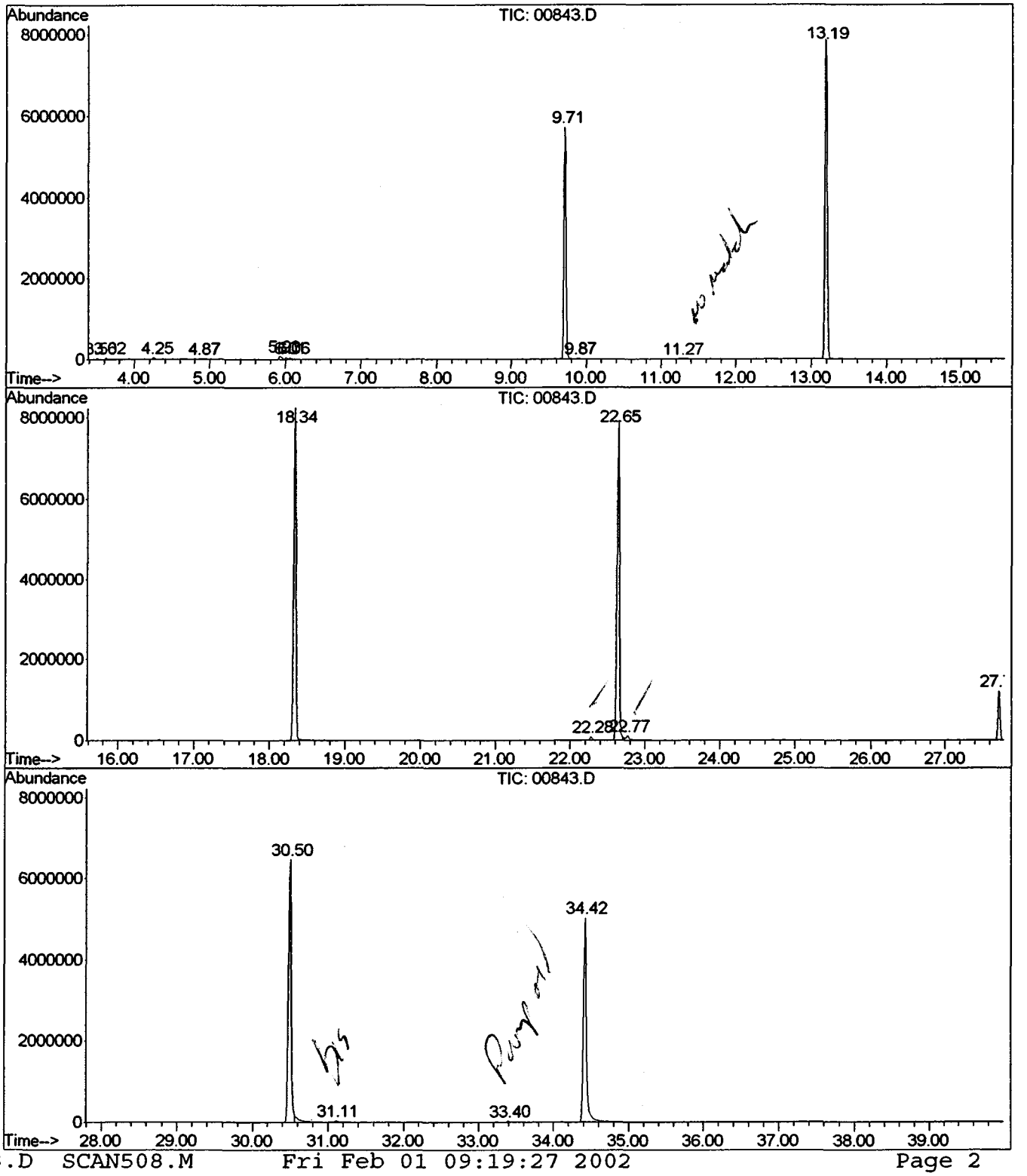
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.499	9	11	19	rVB	26893	45160	0.25%	0.046%
2	3.625	19	22	27	rBV	35032	60757	0.33%	0.062%
3	4.253	73	77	85	rVB3	38320	84914	0.47%	0.087%
4	4.869	129	131	141	rVV6	9323	42047	0.23%	0.043%
5	5.931	219	224	229	rBV	78008	189474	1.04%	0.195%
6	6.011	229	231	233	rVV	42609	71335	0.39%	0.073%
7	6.057	233	235	247	rVB	35802	91643	0.50%	0.094%
8	9.710	551	555	561	rVV	5720641	11147465	61.10%	11.450%
9	9.870	565	569	579	rVV	13411	47781	0.26%	0.049%
10	11.274	681	692	695	rBV4	9077	45385	0.25%	0.047%
11	13.192	855	860	865	rBV	7873397	16040535	87.92%	16.476%
12	18.341	1305	1311	1315	rBV	8250947	17429150	95.53%	17.903%
13	22.280	1651	1656	1661	rBV	86864	150114	0.82%	0.154%
14	22.646	1681	1688	1693	rBV2	7924568	18244770	100.00%	18.741%
15	22.771	1695	1699	1731	rVV	112506	443596	2.43%	0.456%
16	27.726	2129	2133	2137	rBV	1205299	2174277	11.92%	2.233%
17	30.500	2369	2376	2381	rBV	6466506	16668548	91.36%	17.121%
18	31.105	2423	2429	2443	rVV	34107	157887	0.87%	0.162%
19	33.400	2625	2630	2639	rBV	29264	94750	0.52%	0.097%
20	34.416	2713	2719	2763	rVB	5023103	14125094	77.42%	14.509%

Sum of corrected areas: 97354682

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN31\00843.D
Operator :
Acquired : 31 Jan 2002 6:01 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : January 31, 2002
Vial Number: 5
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

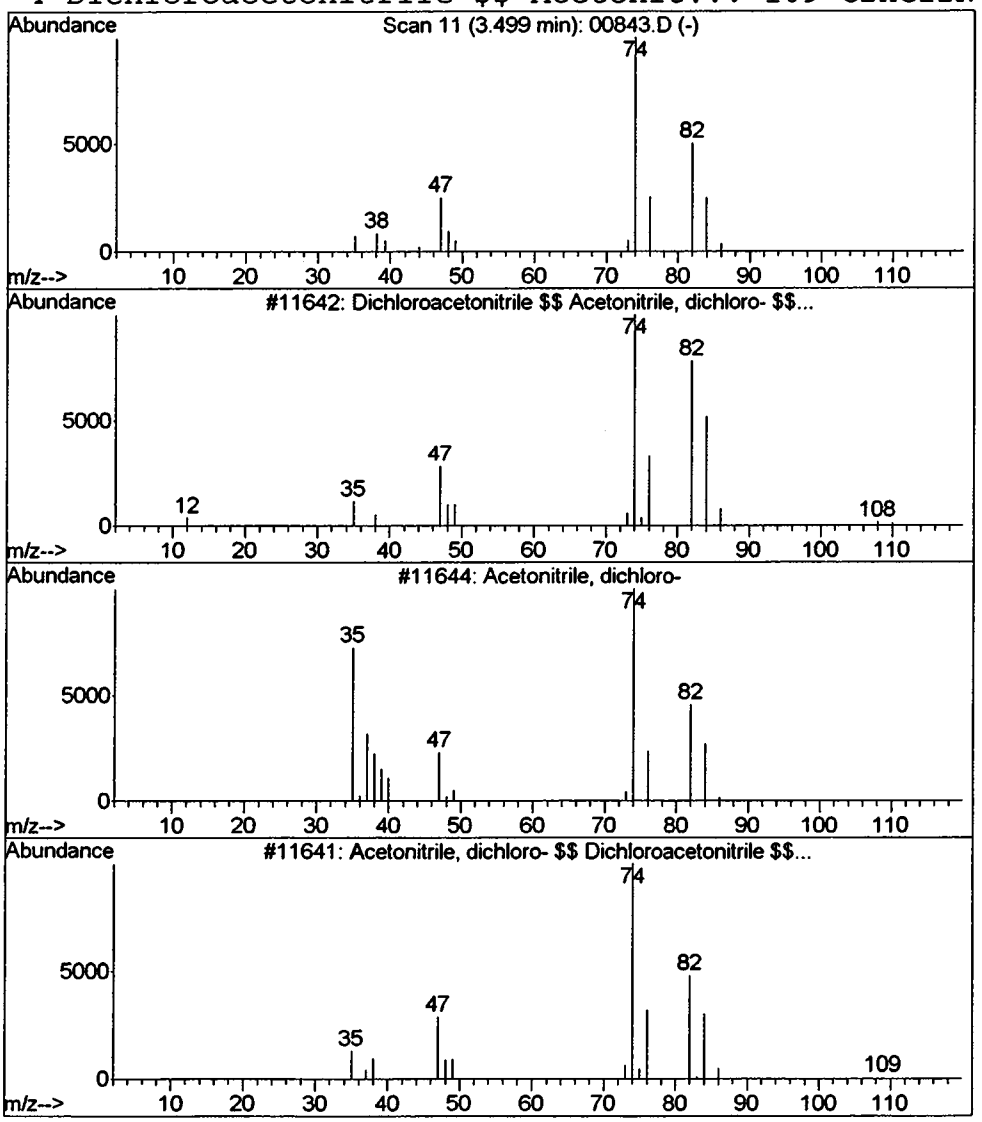
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

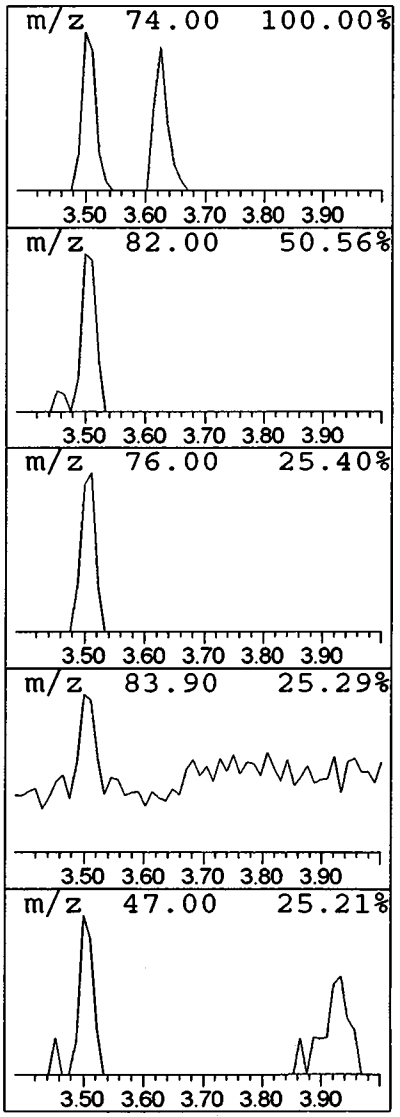
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.50	0.08 ug/L	45160	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	83
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	64
3	Acetonitrile, dichloro- $$ Dichl...	109	C2HCl2N	003018-12-0	50
4	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

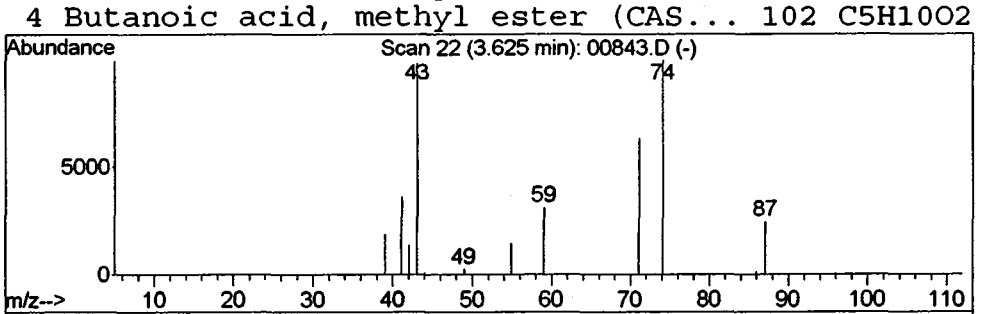
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

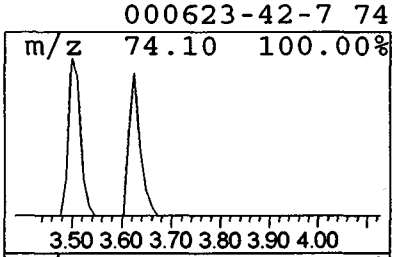
****

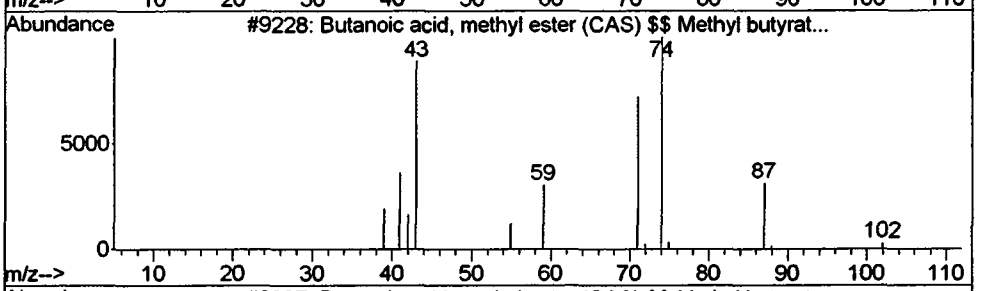
Peak Number 2 Butanoic acid, methyl ester... Concentration Rank 8

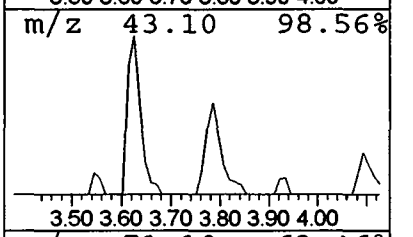
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	0.11 ug/L	60757	1,4-Dichlorobenzene-d4	9.71

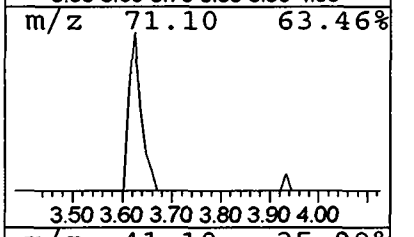
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
2	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	83
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	83
4	Butanoic acid, methyl ester (CAS...	102	C5H10O2	000623-42-7	74

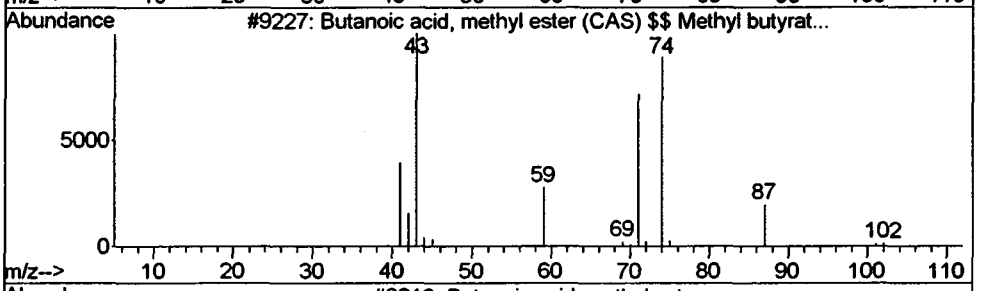


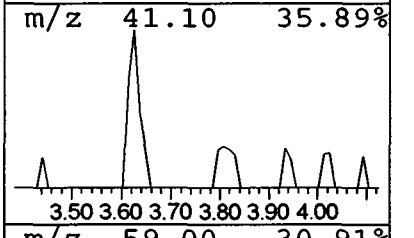


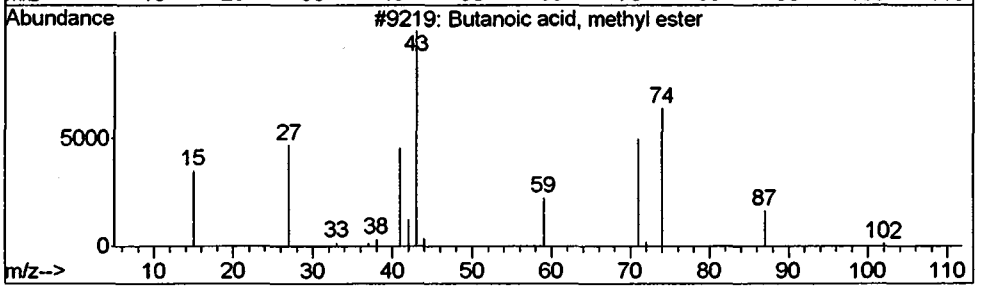


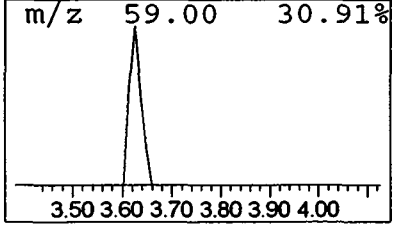












Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

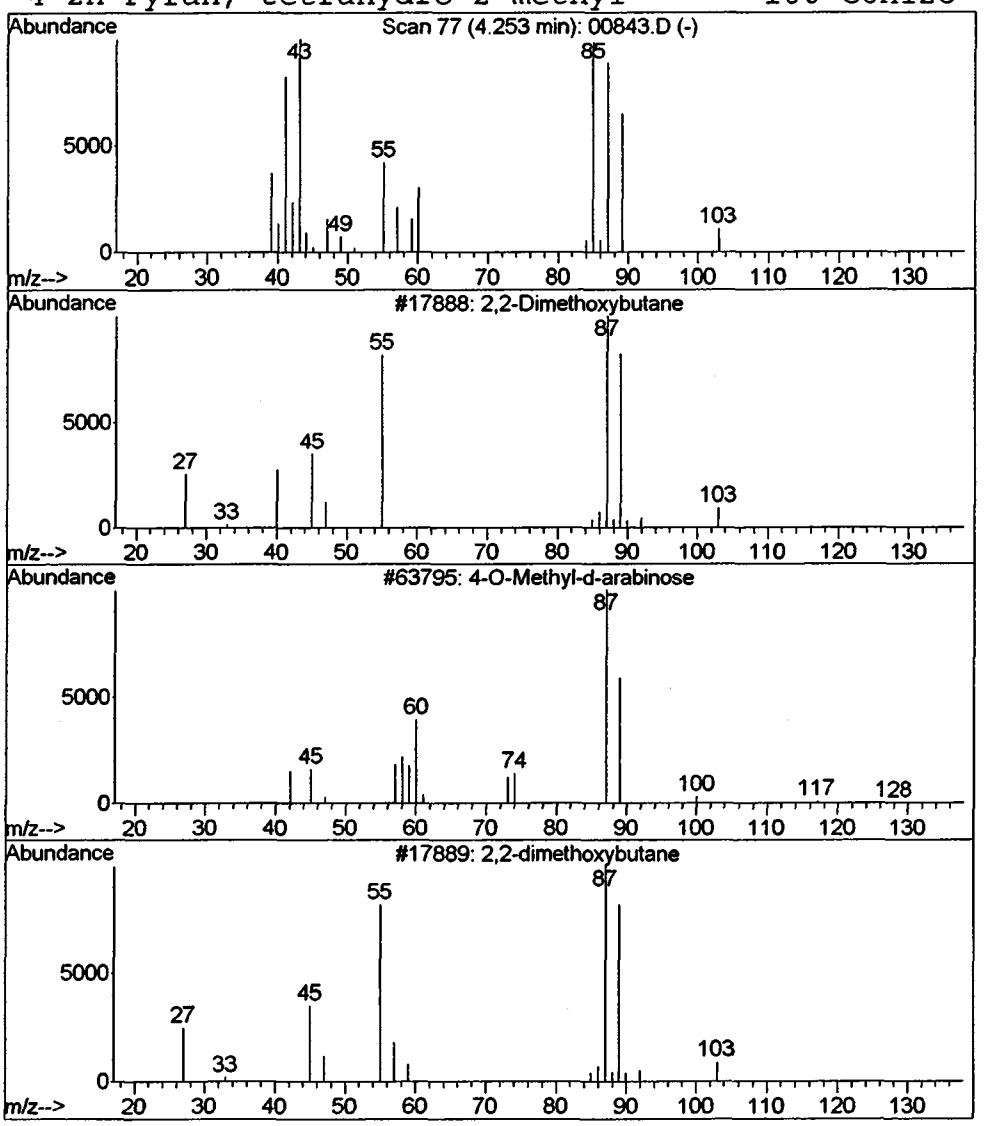
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

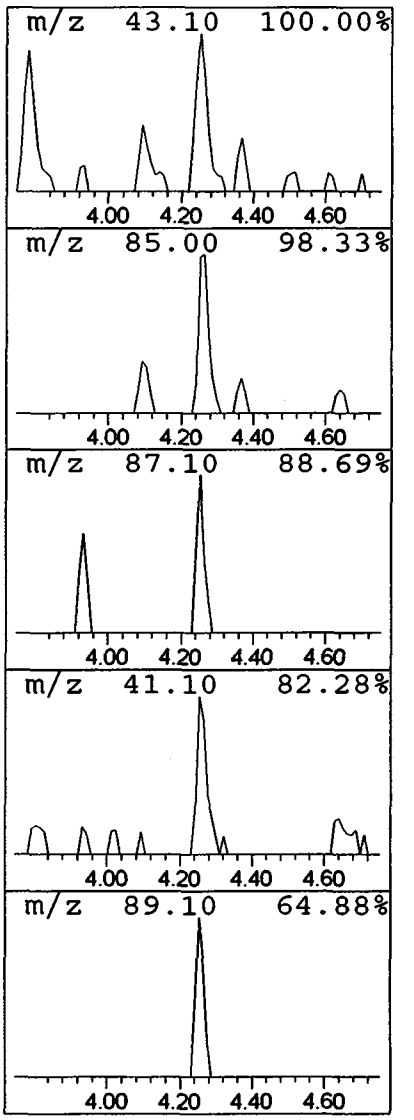
****

Peak Number 3 2,2-Dimethoxybutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	0.15 ug/L	84914	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethoxybutane	118	C6H14O2	003453-99-4	38
2	4-O-Methyl-d-arabinose	164	C6H12O5	000000-00-0	37
3	2,2-dimethoxybutane	118	C6H14O2	003453-99-4	32
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	27





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

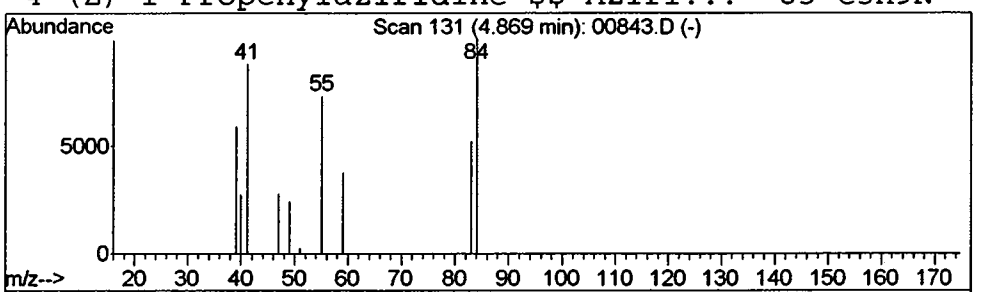
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

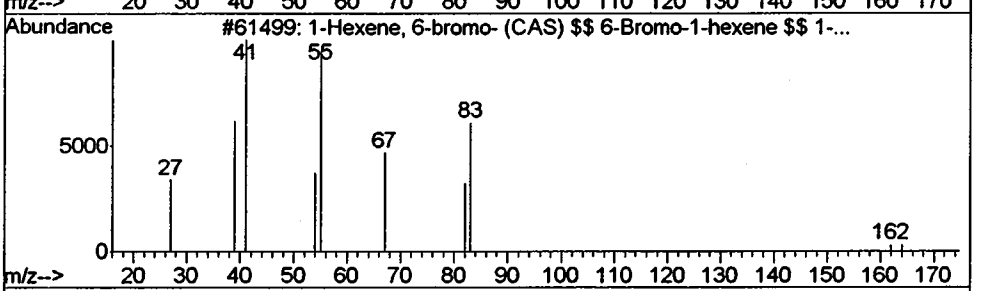
****

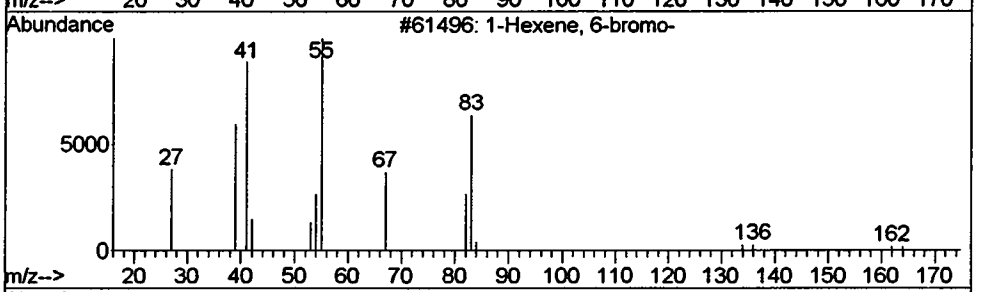
Peak Number 4 1-Hexene, 6-bromo- (CAS) $$... Concentration Rank 12

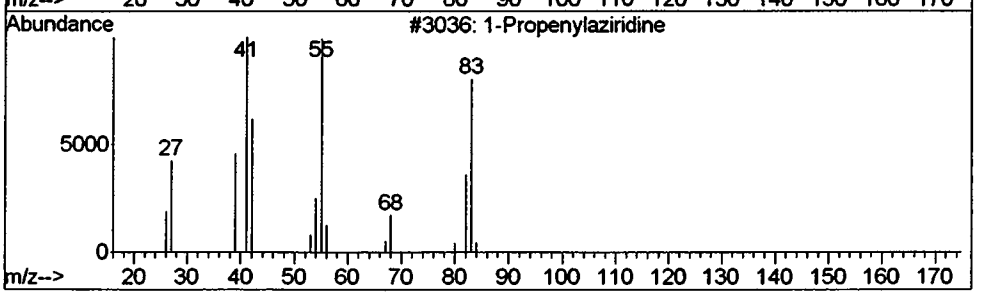
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.87	0.08 ug/L	42047	1,4-Dichlorobenzene-d4	9.71

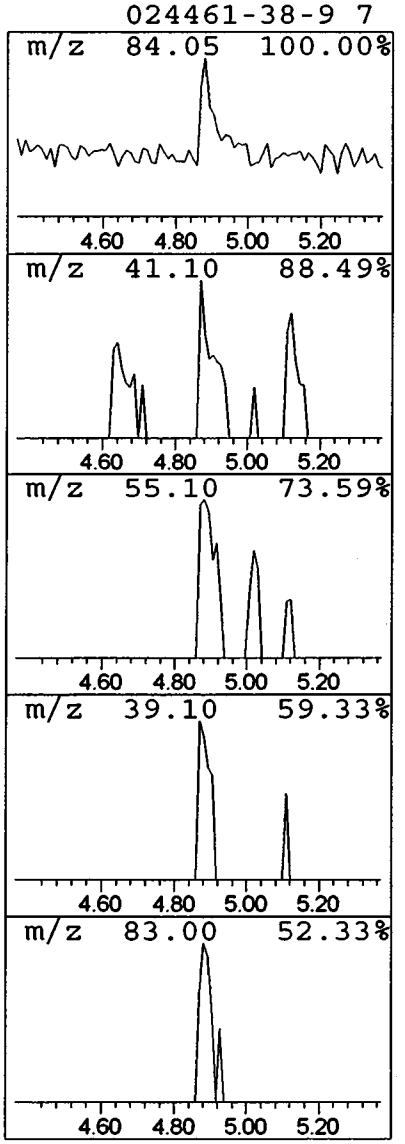
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 6-bromo- (CAS) $$ 6-Br...	162	C6H11Br	002695-47-8	9
2	1-Hexene, 6-bromo-	162	C6H11Br	002695-47-8	9
3	1-Propenylaziridine	83	C5H9N	000000-00-0	7
4	(Z)-1-Propenylaziridine $$ Aziri...	83	C5H9N	024461-38-9	7











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

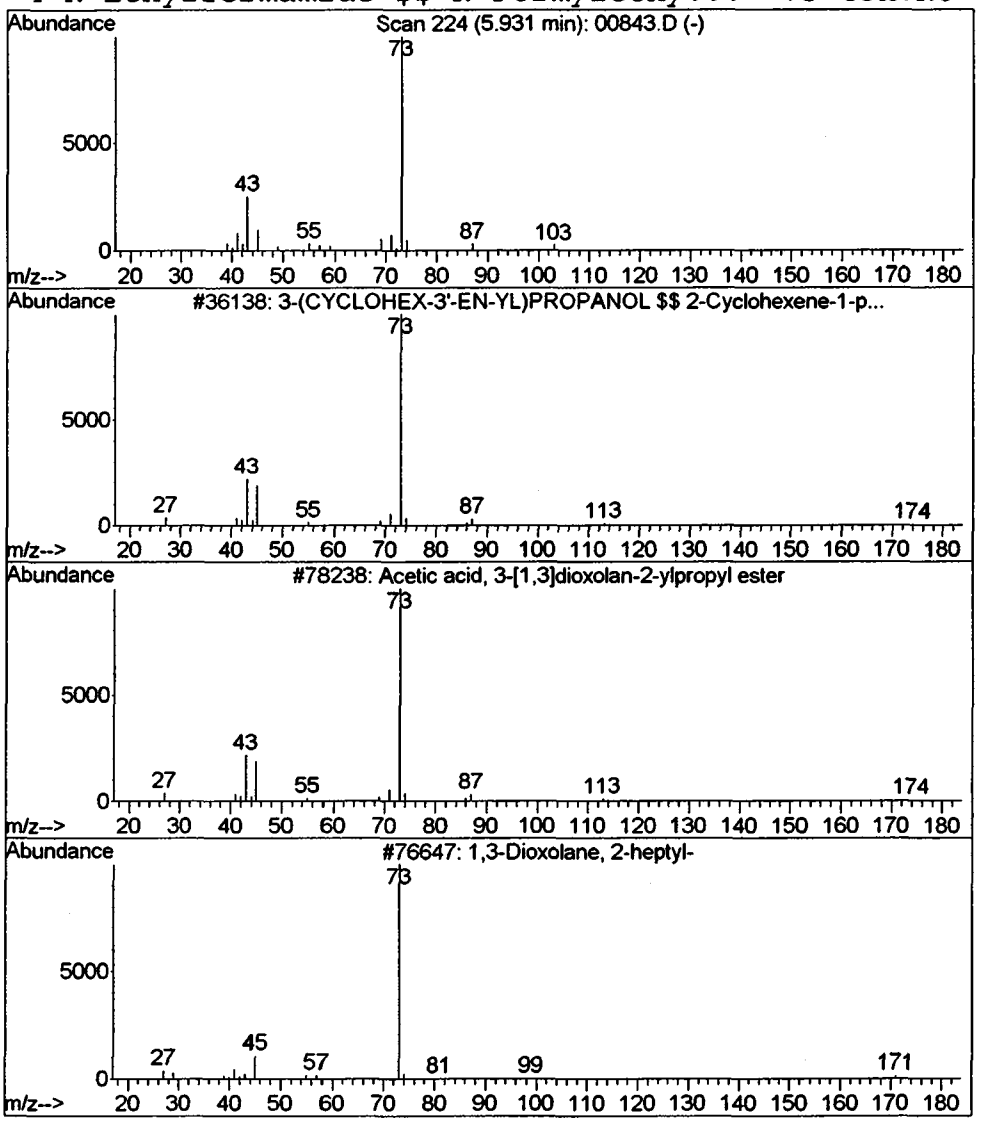
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

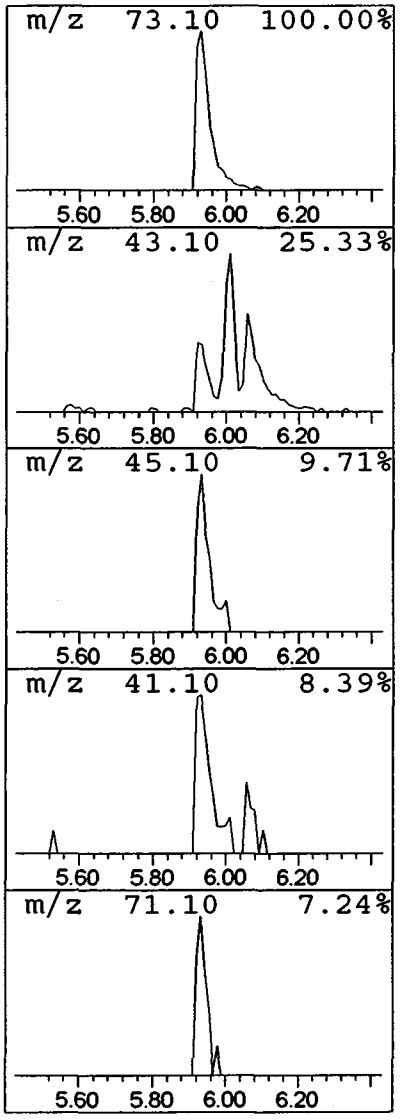
****

Peak Number 5 3-(CYCLOHEX-3'-EN-YL)PROPAN... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	0.34 ug/L	189474	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	28
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	28
3	1,3-Dioxolane, 2-heptyl-	172	C10H20O2	004359-57-3	25
4	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

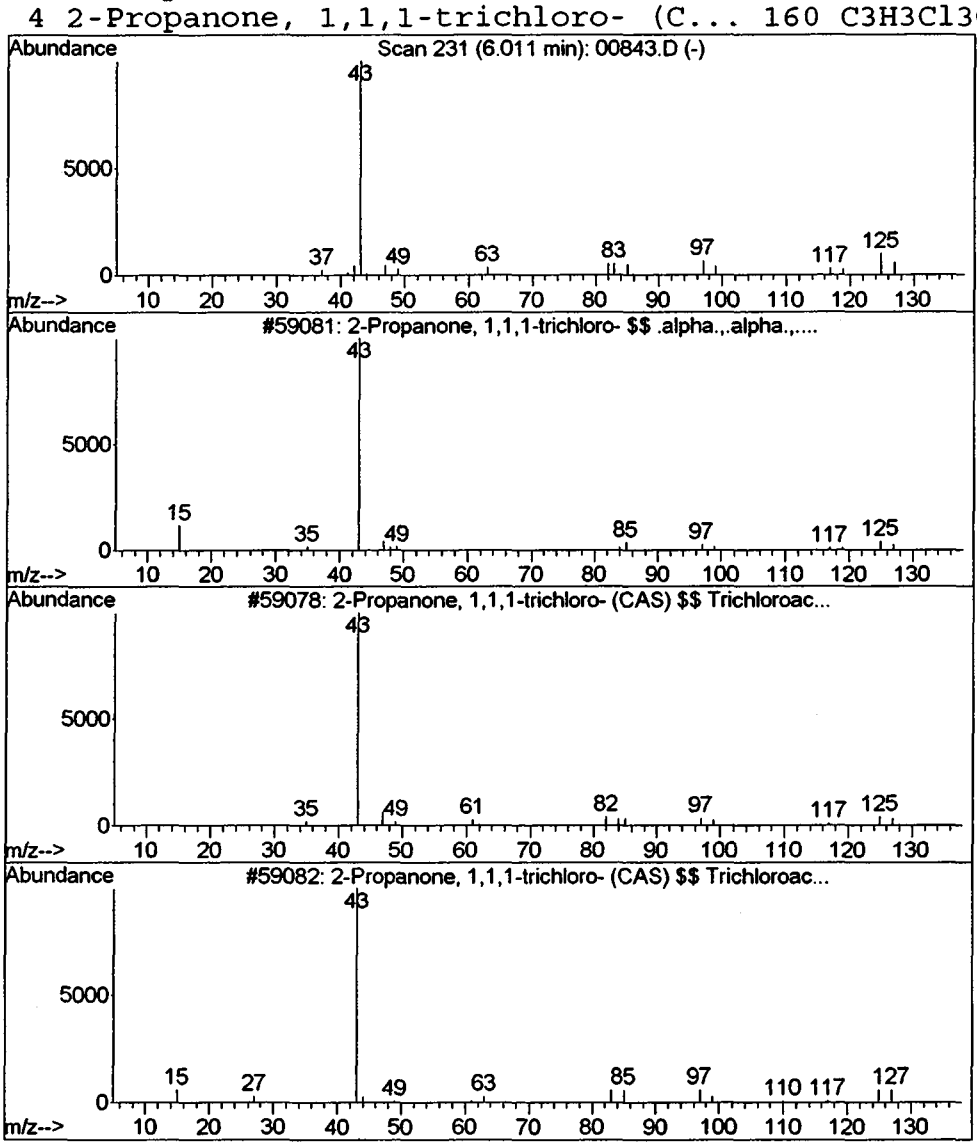
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

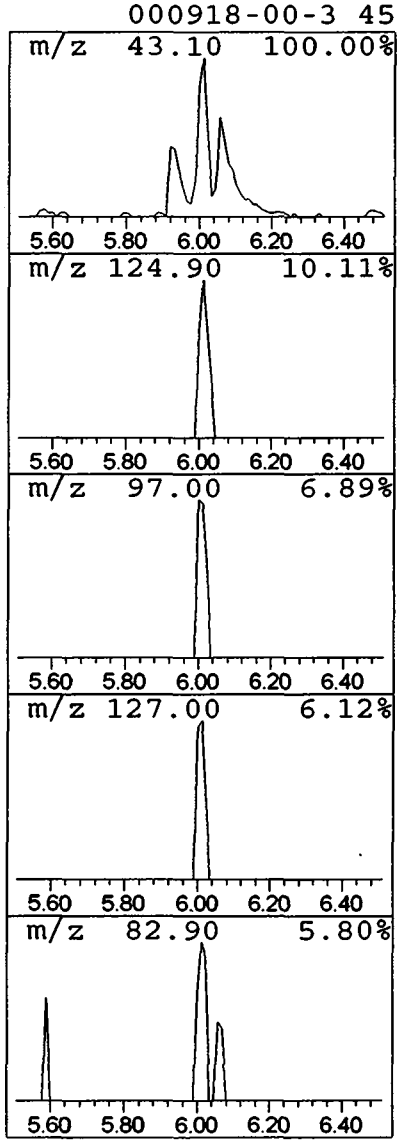
****

Peak Number 6 2-Propanone, 1,1,1-trichlor... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.01	0.13 ug/L	71335	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	78
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	50
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	45
4	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	45





Library Search Compound Report

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Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
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Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
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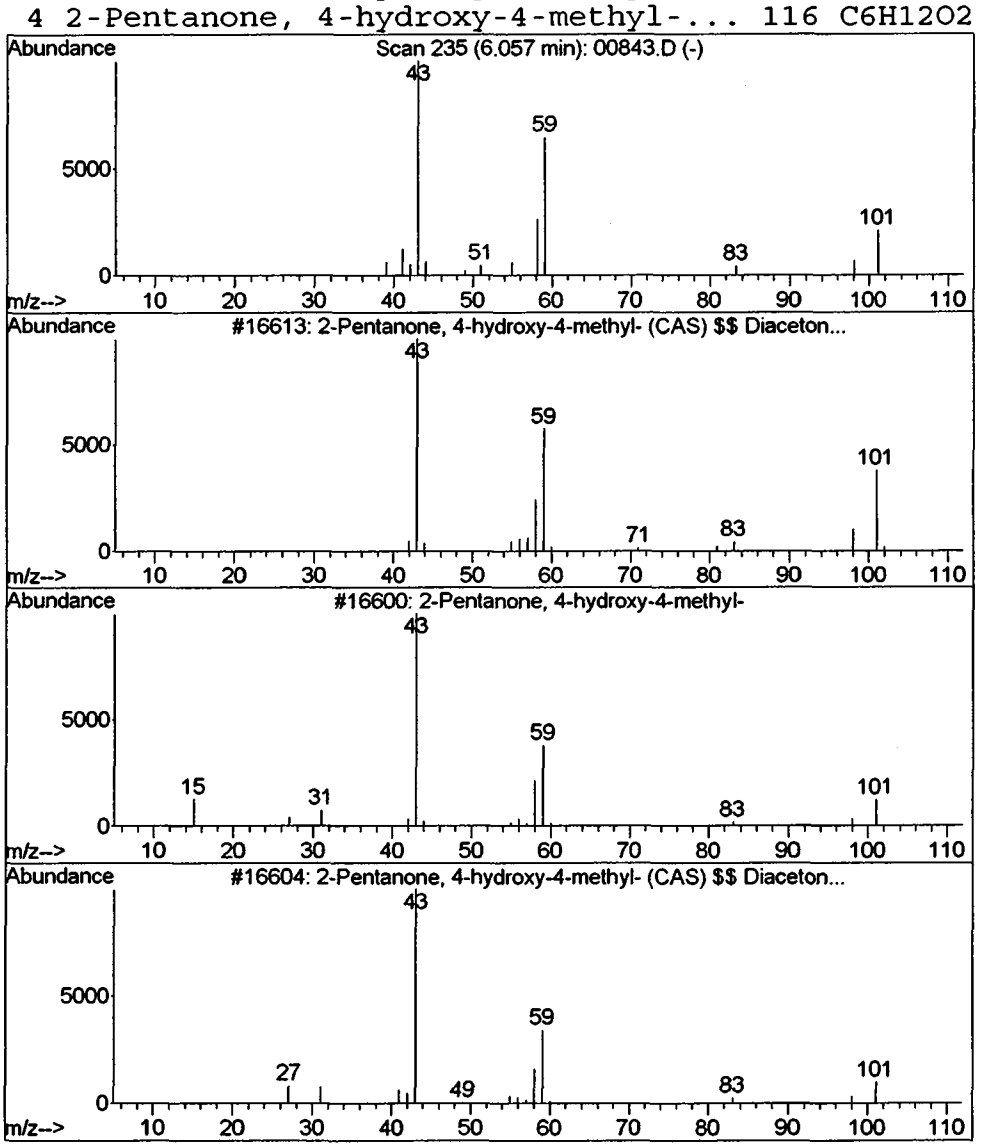
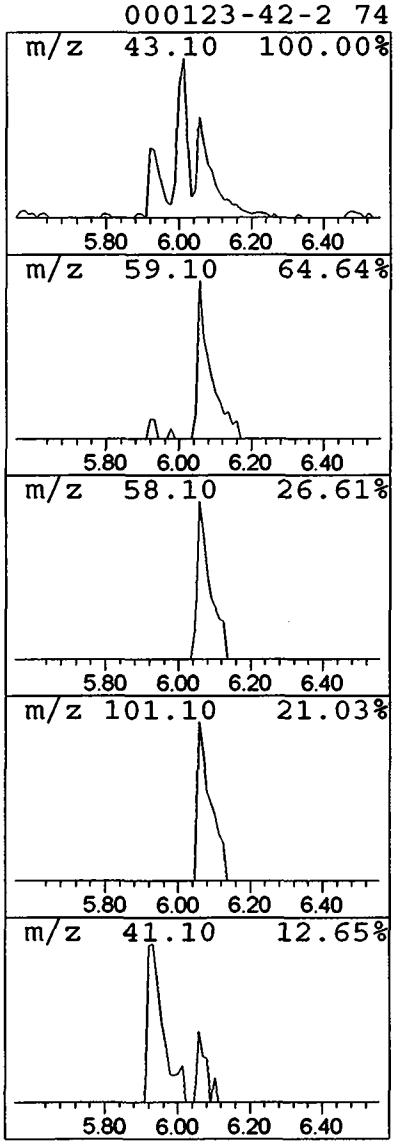
****

Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	0.16 ug/L	91643	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	83
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	83
3	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	78
4	2-Pentanone, 4-hydroxy-4-methyl-...	116	C6H12O2	000123-42-2	74





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

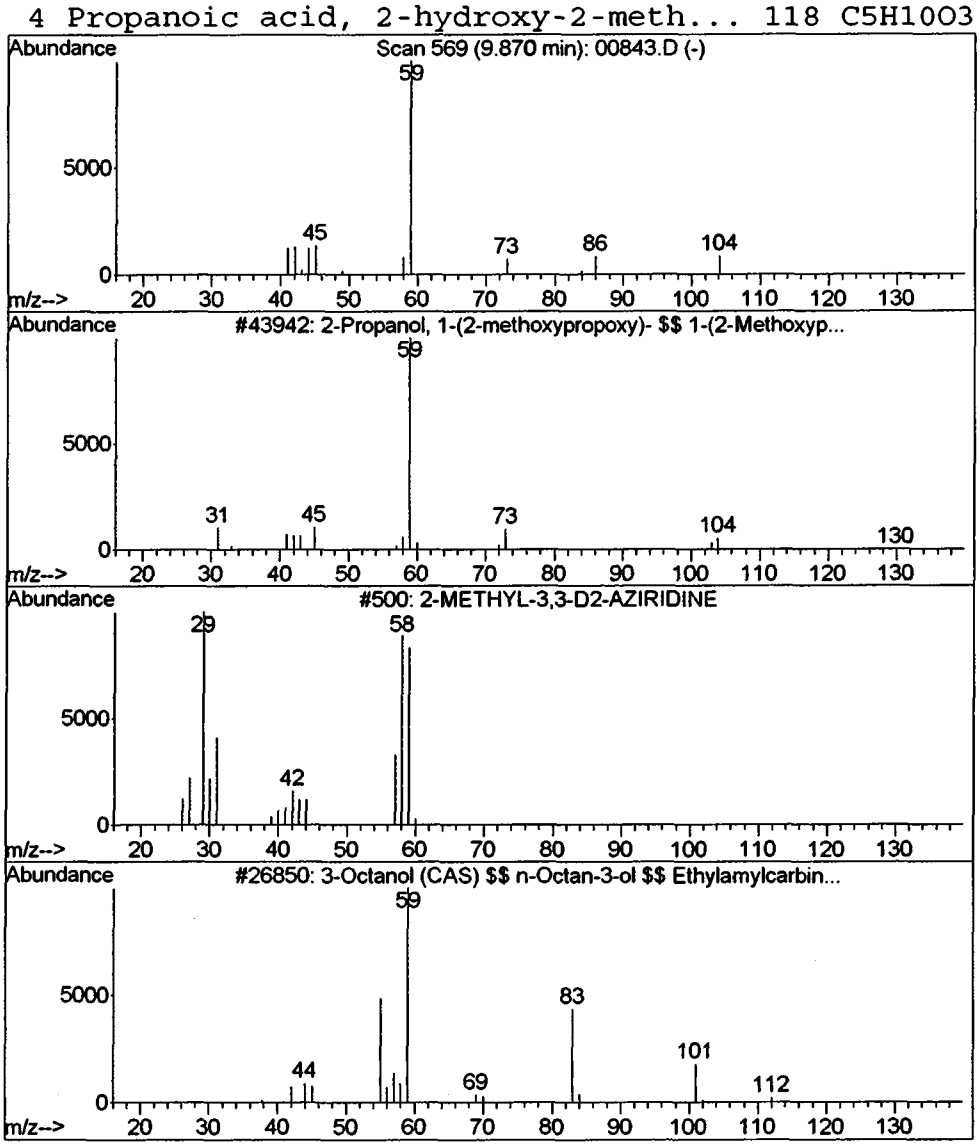
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

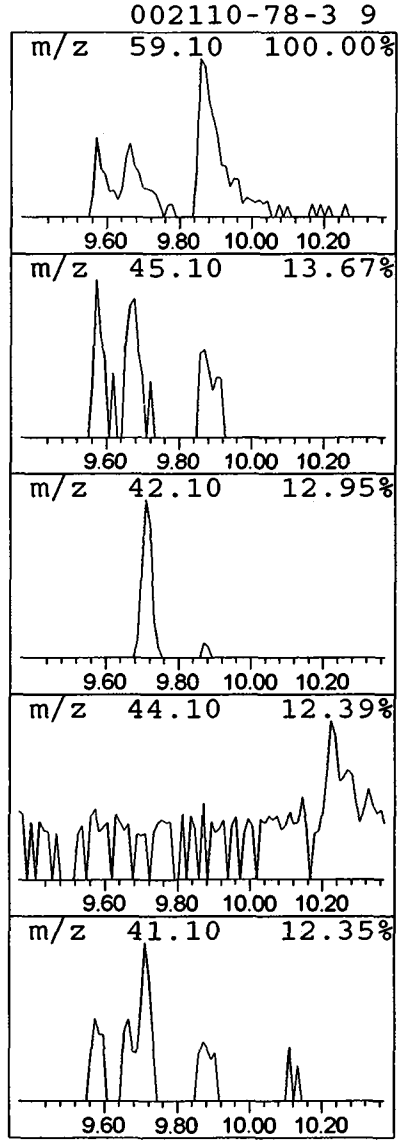
****

Peak Number 8 2-Propanol, 1-(2-methoxypro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	0.09 ug/L	47781	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	39
2	2-METHYL-3,3-D2-AZIRIDINE	59	C3H5D2N	030691-55-5	9
3	3-Octanol (CAS) $$ n-Octan-3-ol ...	130	C8H18O	000589-98-0	9
4	Propanoic acid, 2-hydroxy-2-meth...	118	C5H10O3	002110-78-3	9





Library Search Compound Report

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Acq On : 31 Jan 2002 6:01 pm Operator:
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Misc : January 31, 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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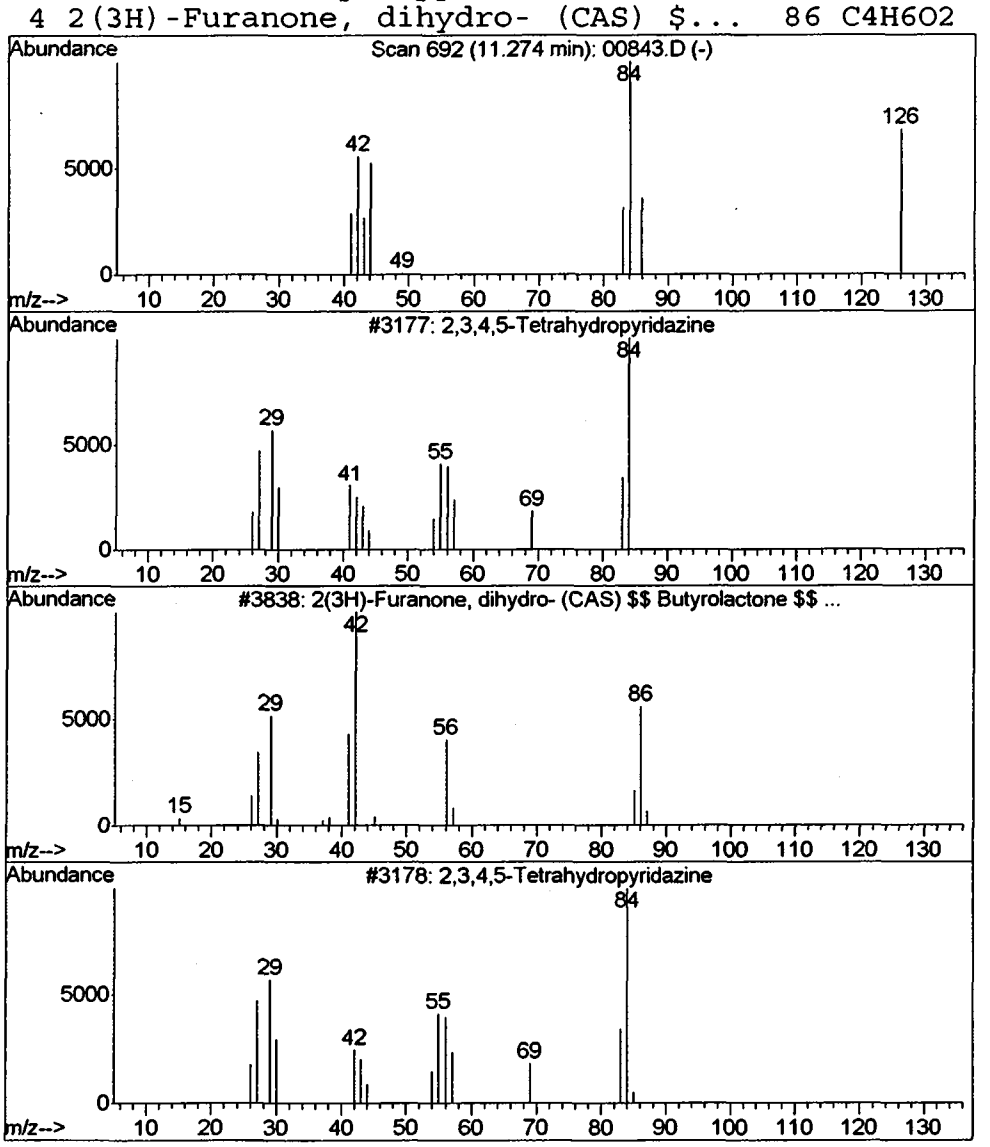
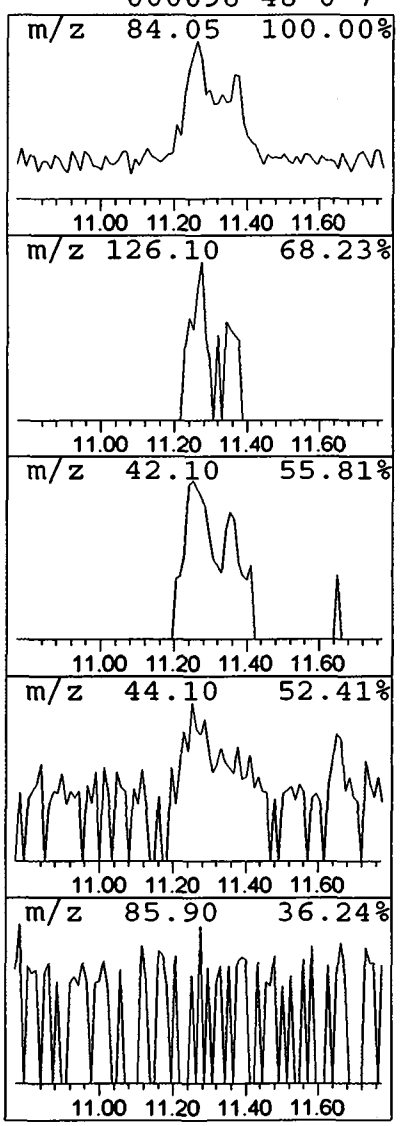
Peak Number 9 2,3,4,5-Tetrahydropyridazine Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	0.08 ug/L	45385	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	9
2	2(3H)-Furanone, dihydro- (CAS) $...	86	C4H6O2	000096-48-0	9
3	2,3,4,5-Tetrahydropyridazine	84	C4H8N2	000694-06-4	7
4	2(3H)-Furanone, dihydro- (CAS) $...	86	C4H6O2	000096-48-0	7

NO GOOD MATCH





Library Search Compound Report

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Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 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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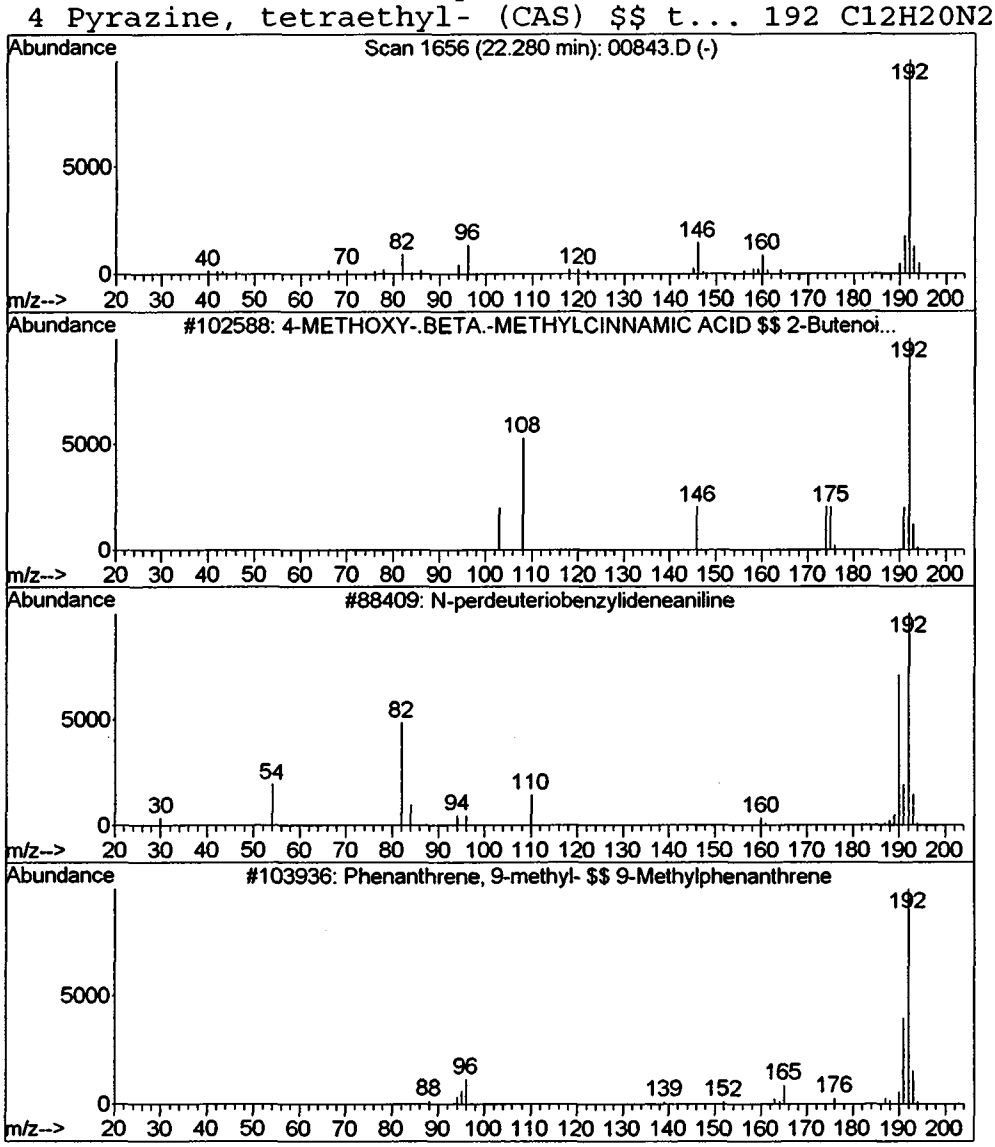
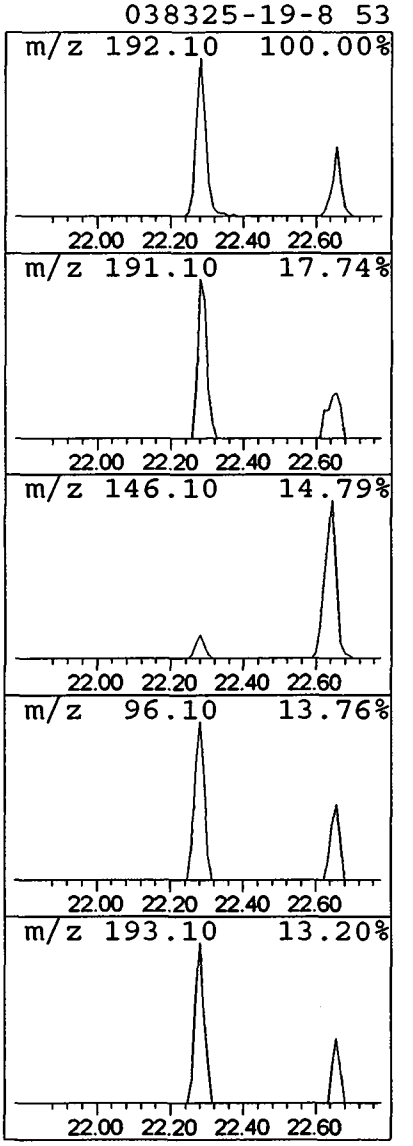
Peak Number 10 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.16 ug/L	150114	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-METHOXY-.BETA.-METHYLCINNAMIC ...	192	C11H12O3	019169-94-9	72
2	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	64
3	Phenanthrene, 9-methyl- $$ 9-Met...	192	C15H12	000883-20-5	59
4	Pyrazine, tetraethyl- (CAS) $$ t...	192	C12H20N2	038325-19-8	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 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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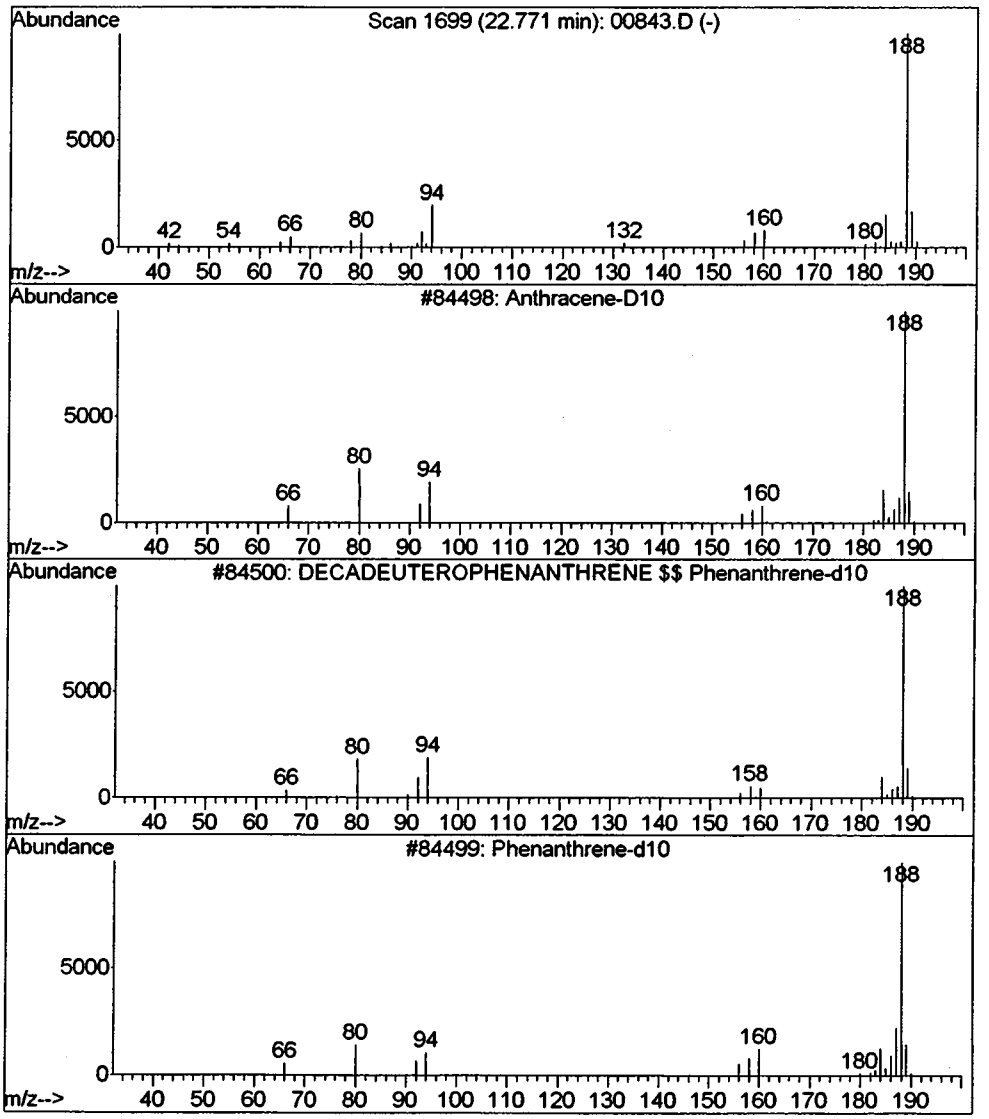
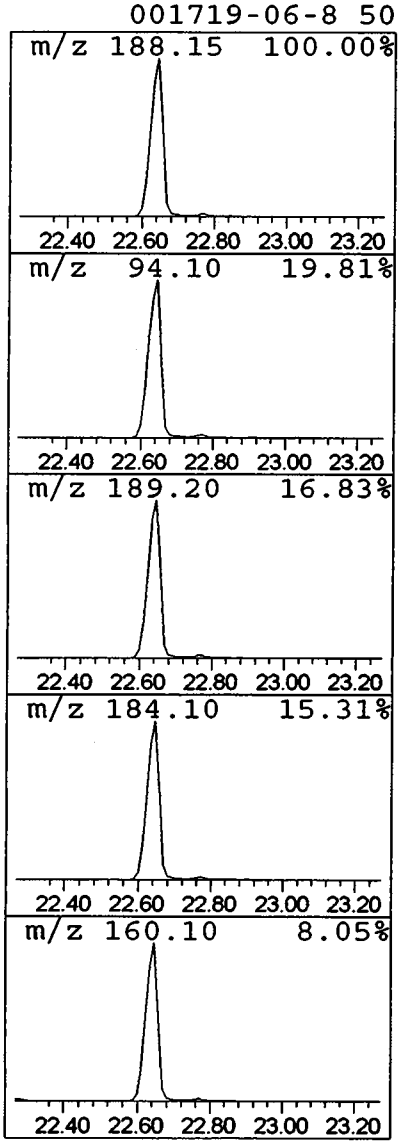
Peak Number 11 Anthracene-D10 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.49 ug/L	443596	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene-D10	188	C14D10	000000-00-0	90
2	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	86
3	Phenanthrene-d10	188	C14D10	001517-22-2	64
4	Anthracene-d10-	188	C14D10	001719-06-8	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN31\00843.D Vial: 5
Acq On : 31 Jan 2002 6:01 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : January 31, 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

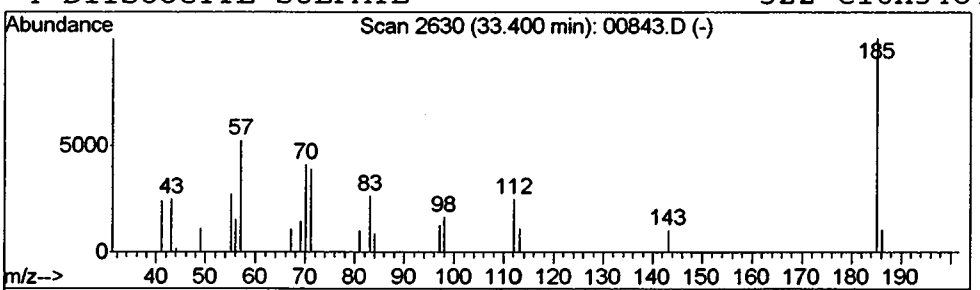
****

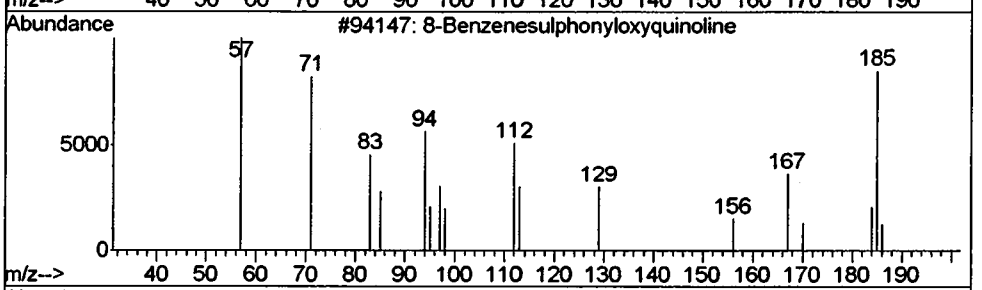
Peak Number 12 8-Benzenesulphonyloxyquinoline Concentration Rank 6

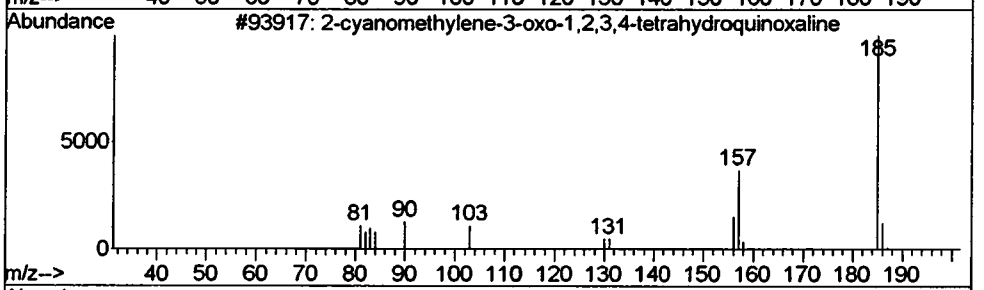
R.T.	EstConc	Area	Relative to ISTD	R.T.
33.40	0.13 ug/L	94750	Perylene-d12	34.42

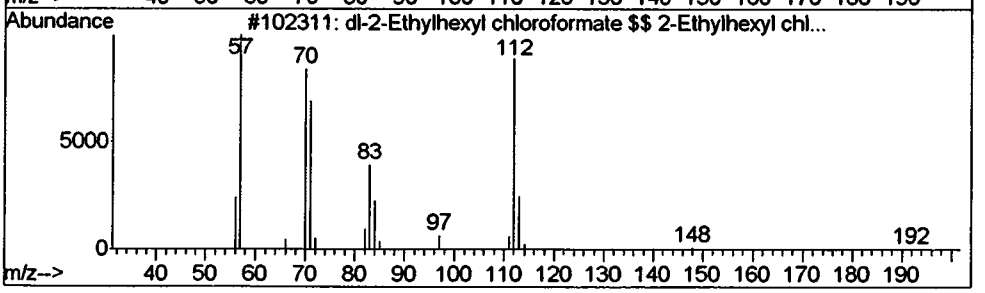
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Benzenesulphonyloxyquinoline	185	C12H11NO	000000-00-0	50
2	2-cyanomethylene-3-oxo-1,2,3,4-t...	185	C10H7N3O	000000-00-0	38
3	dl-2-Ethylhexyl chloroformate $$...	192	C9H17ClO2	024468-13-1	35
4	DIISOOCTYL SULFATE	322	C16H34O4S	000000-00-0	32

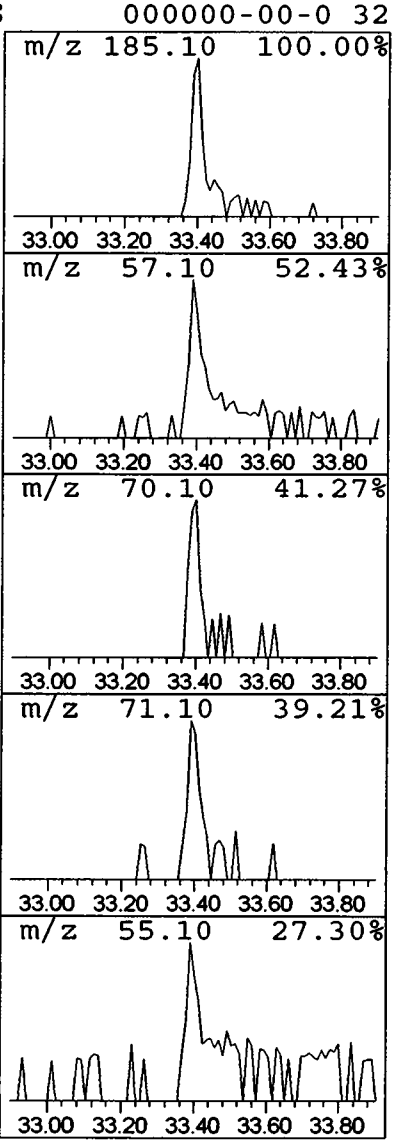
NO GOOD MATCH











Tentatively Identified Compound (LSC) summary

Operator ID: Date Acquired: 31 Jan 2002 6:01 pm
Data File: C:\MSDCHEM\1\5973N\02JAN31\00843.D
Name: 508 scan
Misc: January 31, 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...	3.50	0.1	ug/L	45160	1	9.71	11147500	20.0
Butanoic acid, me...	3.62	0.1	ug/L	60757	1	9.71	11147500	20.0
2,2-Dimethoxybutane	4.25	0.2	ug/L	84914	1	9.71	11147500	20.0
1-Hexene, 6-bromo...	4.87	0.1	ug/L	42047	1	9.71	11147500	20.0
3-(CYCLOHEX-3'-EN...	5.93	0.3	ug/L	189474	1	9.71	11147500	20.0
2-Propanone, 1,1,...	6.01	0.1	ug/L	71335	1	9.71	11147500	20.0
2-Pentanone, 4-hy...	6.06	0.2	ug/L	91643	1	9.71	11147500	20.0
2-Propanol, 1-(2-...	9.87	0.1	ug/L	47781	1	9.71	11147500	20.0
2,3,4,5-Tetrahydr...	11.27	0.1	ug/L	45385	1	9.71	11147500	20.0
4-METHOXY-.BETA.-...	22.28	0.2	ug/L	150114	4	22.65	18244800	20.0
Anthracene-D10	22.77	0.5	ug/L	443596	4	22.65	18244800	20.0
8-Benzenesulphony...	33.40	0.1	ug/L	94750	6	34.42	14125100	20.0