User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/29/2002 Time: 11:57:12

Sample: AE00740
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/29/02 11:56 **Ended:** 1/29/02 11:56 **Analyst:** DLV
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		115		5.0

Comments for Sample AE00740 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-29-2002 Time: 11:58:26

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 outside of their acceptance ranges.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 08:12:26 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	1389218	20.00	ug/L	-0.01
10) Naphthalene-d8	13.19	136	5850158	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	3014016	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4981101	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	4681700	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	3654809	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	453379	5.76	ug/L	0.00
Spiked Amount 5.000			Recovery =	115.20%		
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.60	74	12187	0.21	ug/L #	11
20) Dimethylphthalate	18.34	163	492196	2.47	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	378137	9.74	ug/L #	17
35) Di-n-butylphthalate	24.85	149	30063	0.09	ug/L	98
41) Benzo(a)anthracene	30.50	228	17195	0.06	ug/L #	52
42) Bis(2-ethylhexyl)phthalate	31.11	149	116339	1.05	ug/L	94
43) Chrysene	30.50	228	17195	0.06	ug/L #	49
48) Benzo(a)pyrene	34.42	252	11757	0.05	ug/L #	1

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

Quantitation Report (Not Reviewed)

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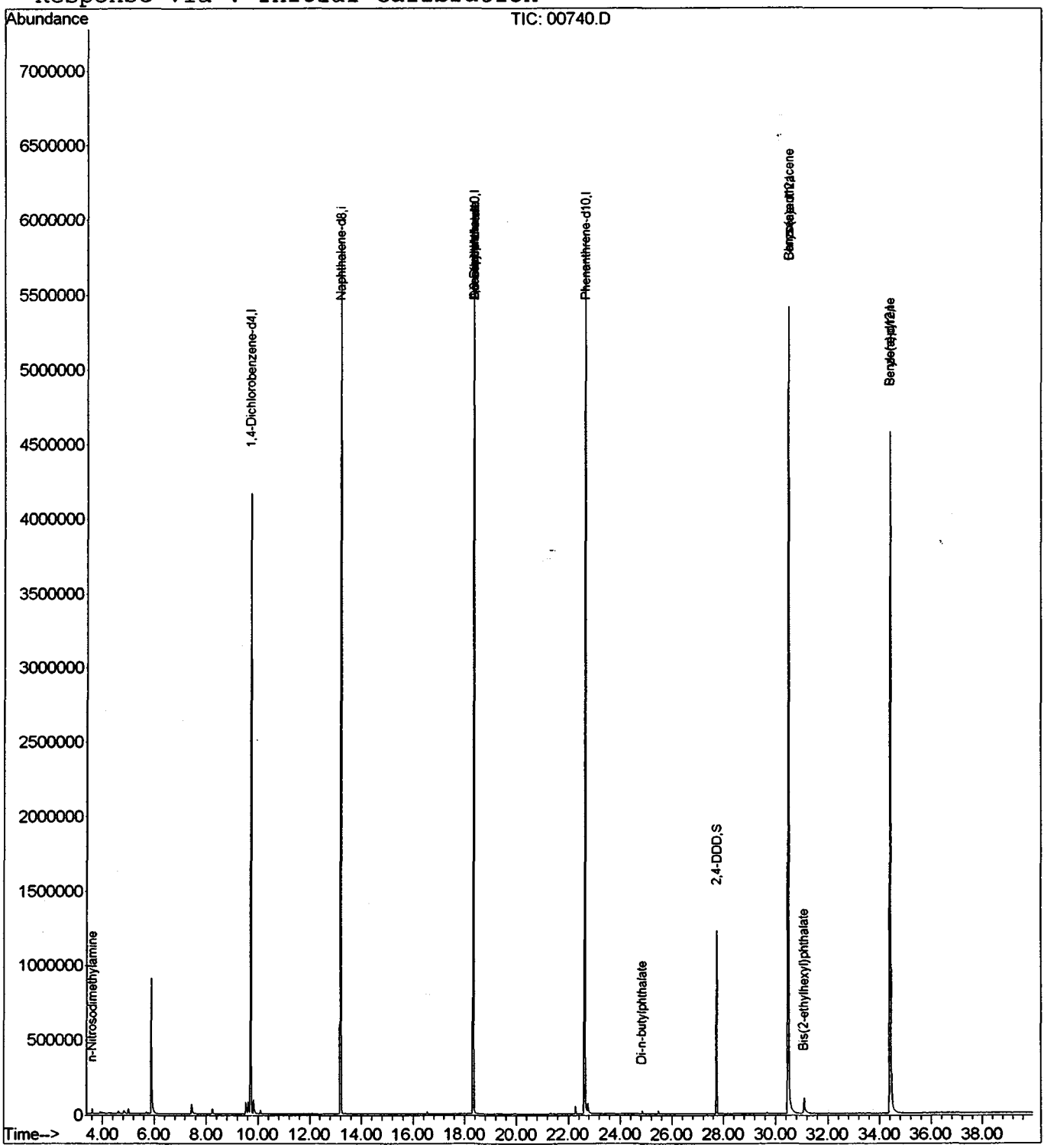
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 17 8:12 2002 Quant Results File: SCAN508.RE

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\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 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

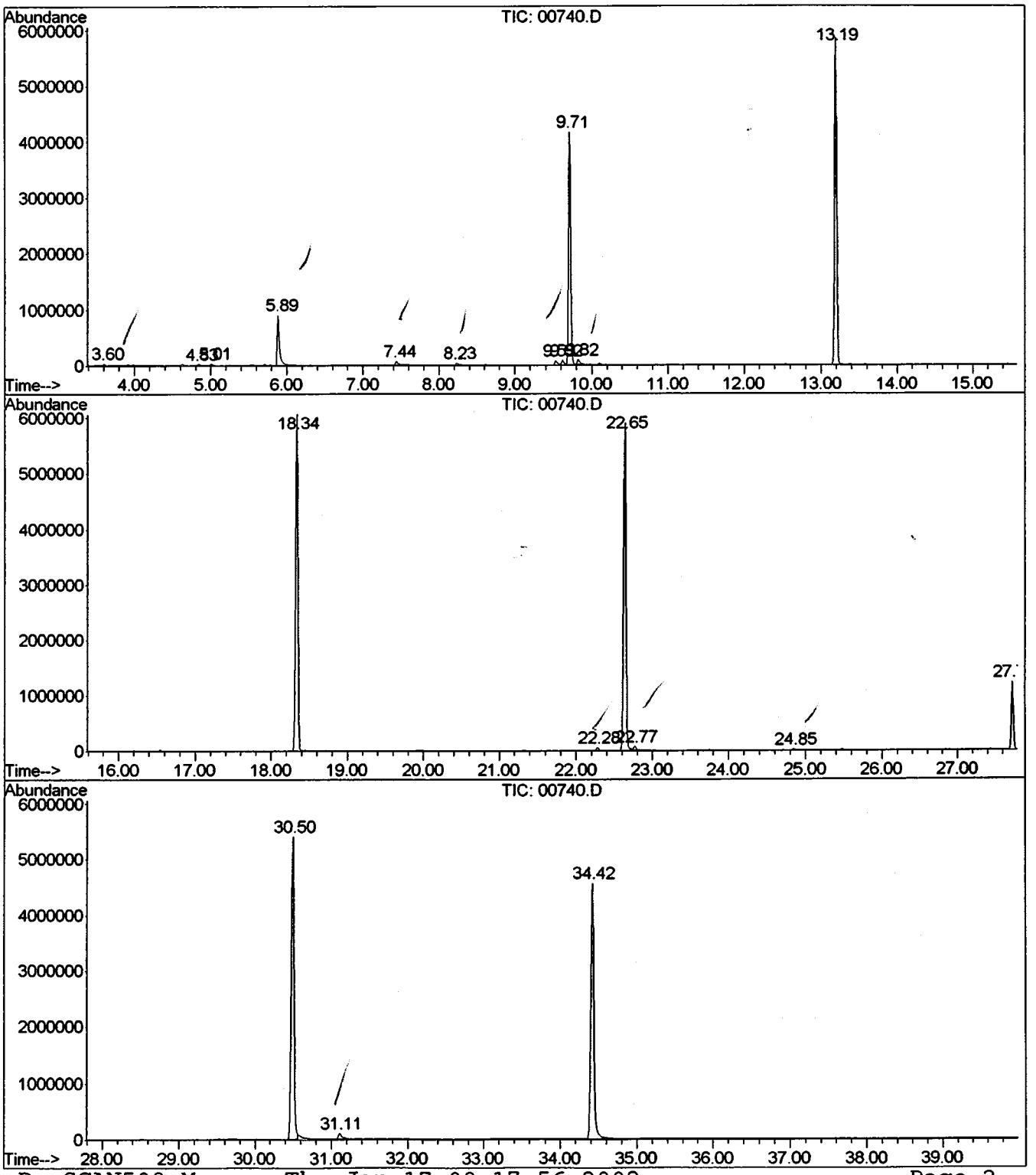
Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.602	17	20	25	rBV	34323	51174	0.37%	0.067%
2	4.835	125	128	139	rVV4	21732	66631	0.49%	0.087%
3	5.006	139	143	149	rVB	34901	57582	0.42%	0.075%
4	5.885	217	220	249	rVB	905084	1868468	13.65%	2.446%
5	7.438	351	356	367	rBV	67905	182728	1.34%	0.239%
6	8.226	423	425	441	rVB	34874	90499	0.66%	0.118%
7	9.527	535	539	545	rBV	80107	169368	1.24%	0.222%
8	9.619	545	547	551	rVV	80680	163611	1.20%	0.214%
9	9.710	551	555	561	rVV	4161264	7929766	57.94%	10.380%
10	9.824	561	565	577	rVB	94995	238705	1.74%	0.312%
11	13.192	855	860	865	rBV	5845690	11239451	82.12%	14.713%
12	18.341	1305	1311	1315	rBV	6058213	12253953	89.53%	16.041%
13	22.280	1651	1656	1661	rVB2	52060	94635	0.69%	0.124%
14	22.645	1681	1688	1693	rBV	5900068	13192401	96.39%	17.269%
15	22.771	1695	1699	1703	rVB	64936	140695	1.03%	0.184%
16	24.849	1875	1881	1887	rVV	23263	49706	0.36%	0.065%
17	27.726	2127	2133	2139	rVB	1226117	2194310	16.03%	2.872%
18	30.500	2369	2376	2381	rBV	5405084	13687191	100.00%	17.917%
19	31.105	2425	2429	2447	rVB	106222	374620	2.74%	0.490%
20	34.416	2713	2719	2751	rBV2	4566477	12348010	90.22%	16.164%

Sum of corrected areas: 76393504

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02JAN16\00740.D
Operator :
Acquired : 16 Jan 2002 8:57 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508scan
Misc Info : January 16, 2002
Vial Number: 8
Quant File :SCAN508.RES (RTE Integrator)



Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

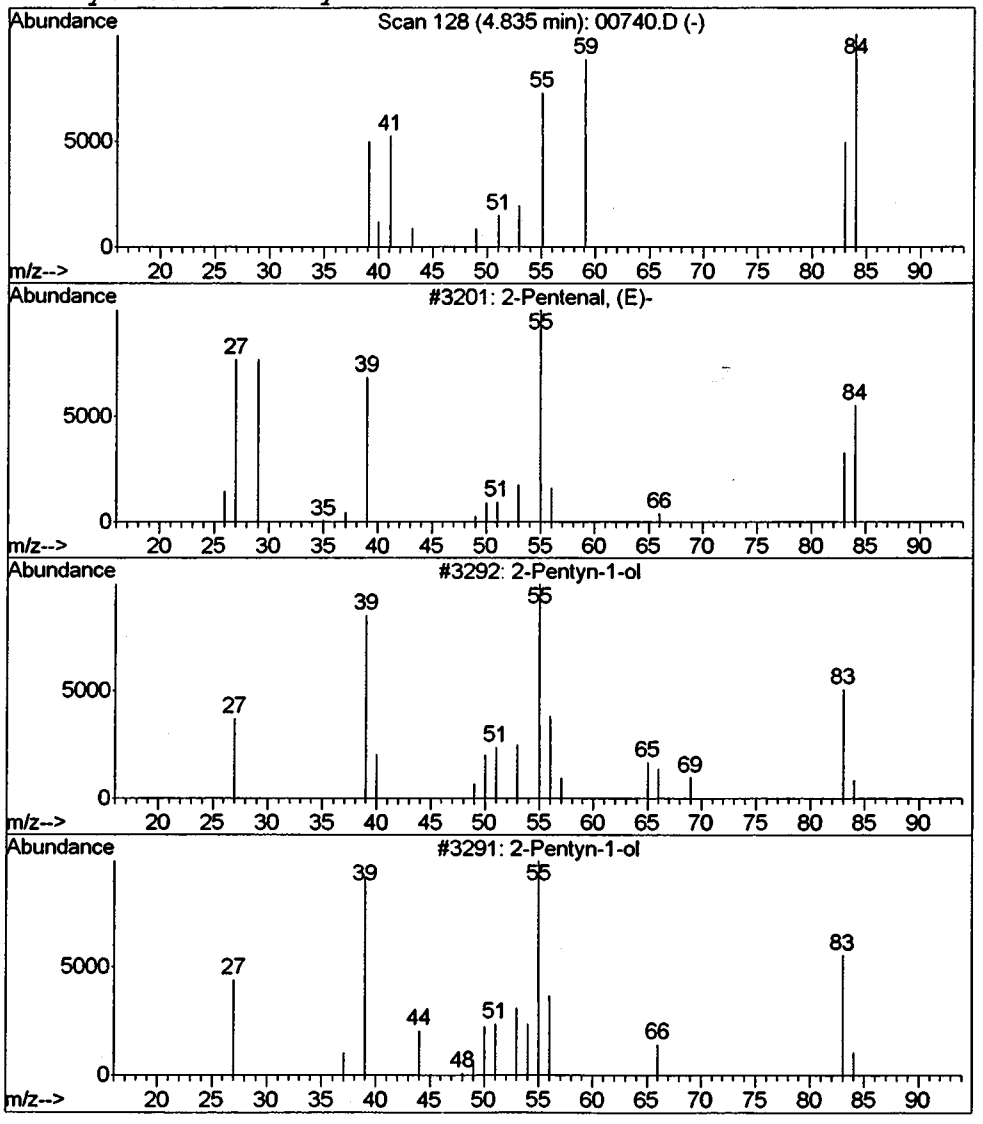
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

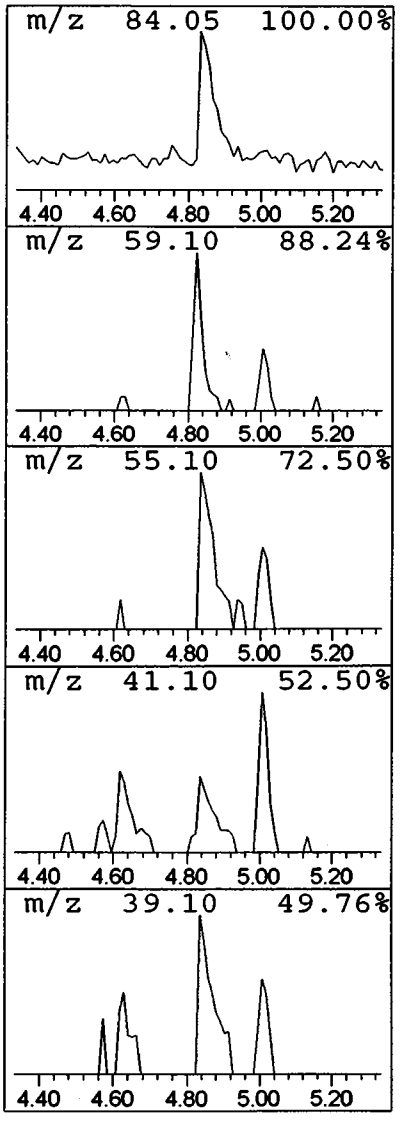
****

Peak Number 1 2-Pentenal, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.17 ug/L	66631	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenal, (E)-	84	C5H8O	001576-87-0	17
2	2-Pentyn-1-ol	84	C5H8O	006261-22-9	12
3	2-Pentyn-1-ol	84	C5H8O	006261-22-9	9
4	Cyclobut-1-enylmethanol	84	C5H8O	000000-00-0	9





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

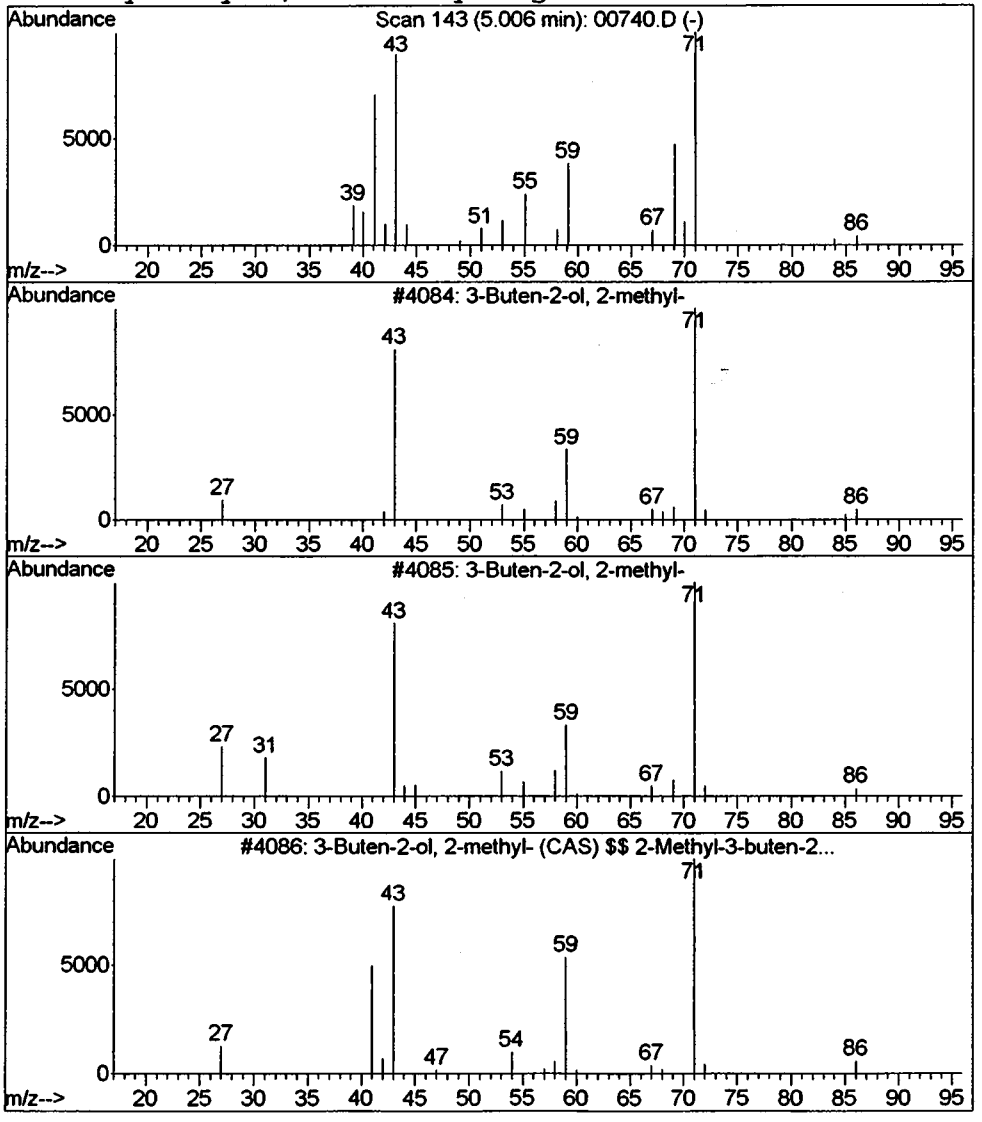
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

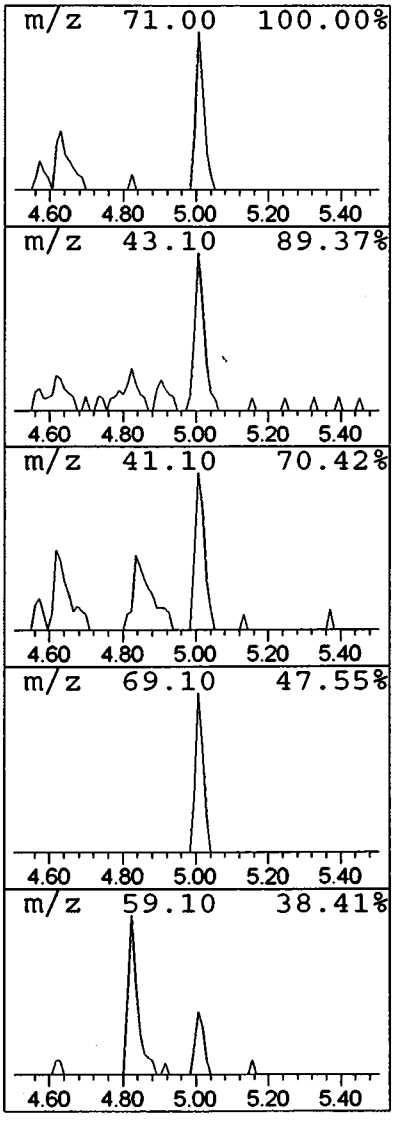
****

Peak Number 2 3-Buten-2-ol, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.15 ug/L	57582	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
3	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	53
4	3-hydroxy-4,4-dimethyl .gamma. B...	130	C6H10O3	052126-90-6	50





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

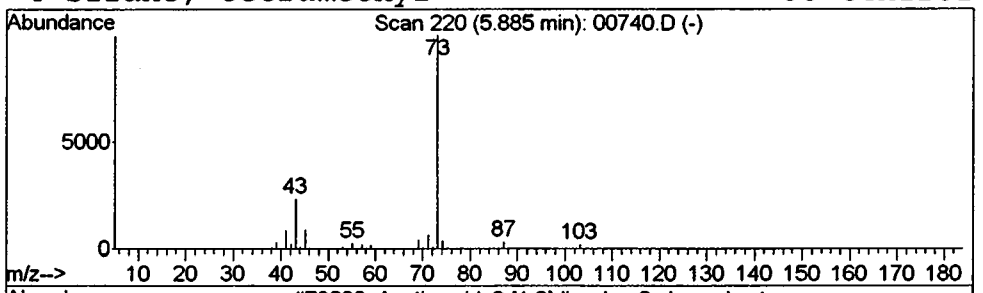
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

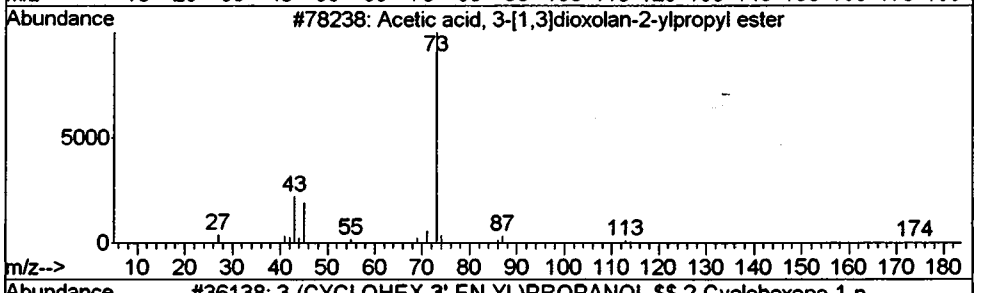
****

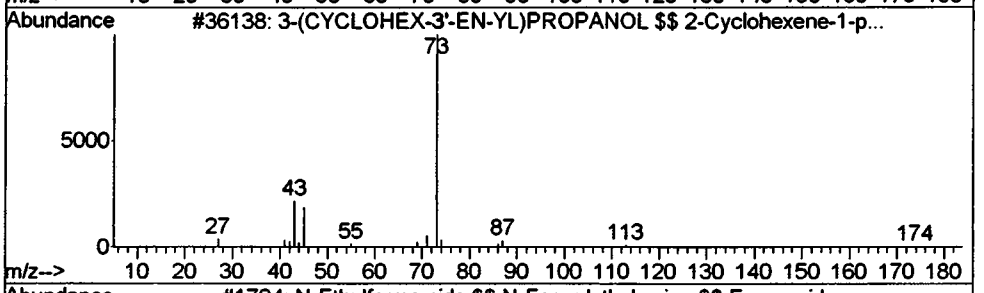
Peak Number 3 Acetic acid, 3-[1,3]dioxola... Concentration Rank 1

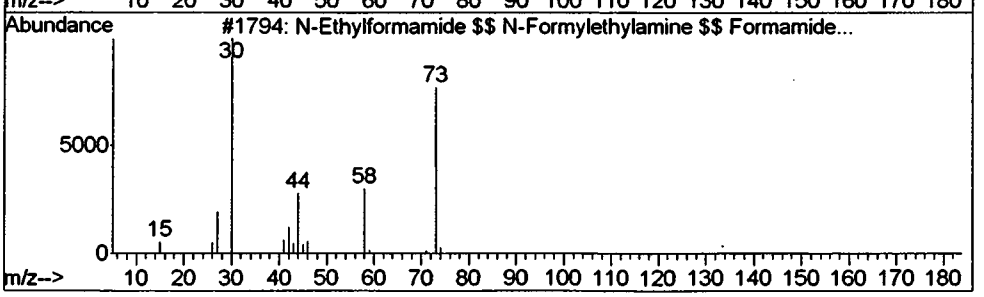
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.71 ug/L	1868470	1,4-Dichlorobenzene-d4	9.71

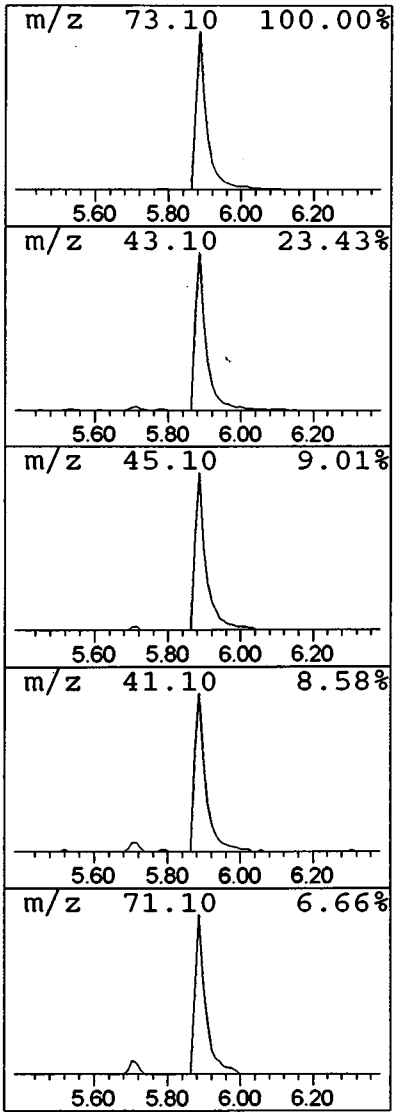
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	N-Ethylformamide $$ N-Formylethy...	73	C3H7NO	000627-45-2	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9











Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

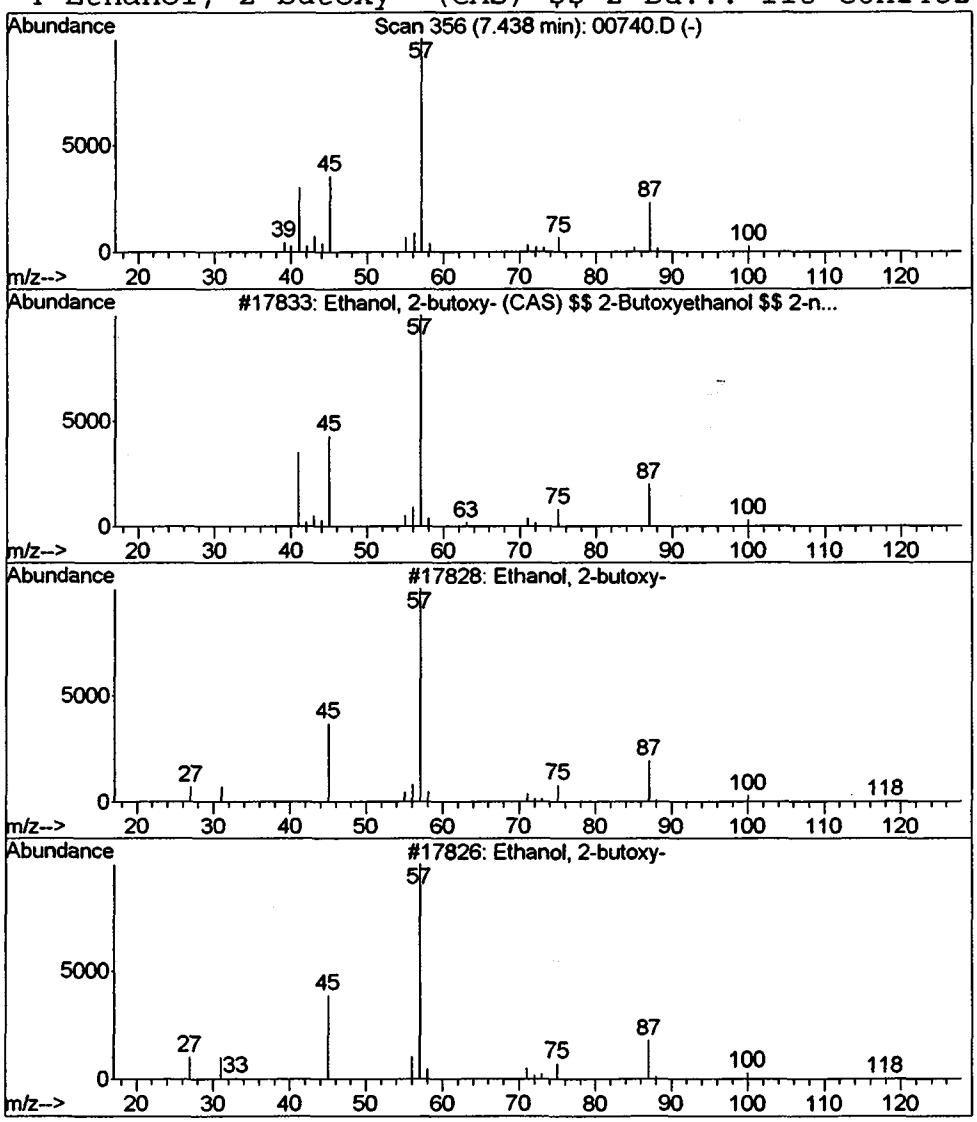
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

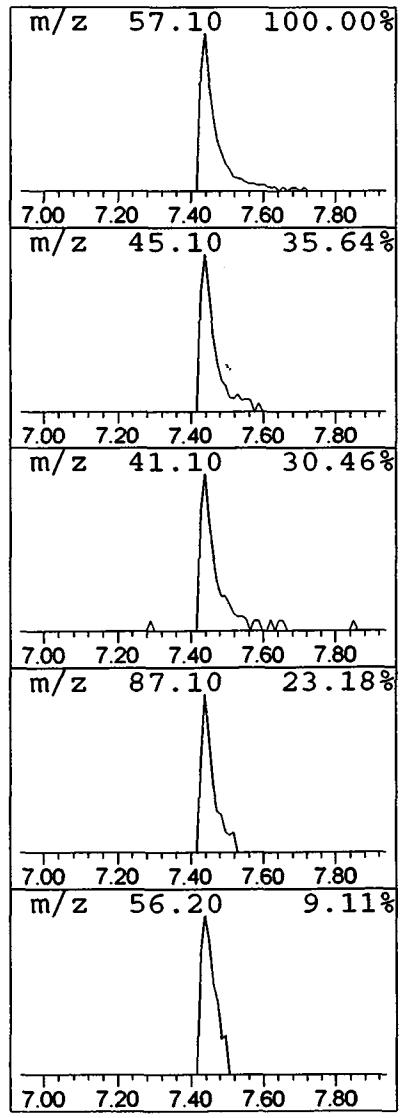
****

Peak Number 4 Ethanol, 2-butoxy- (CAS) $$... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	0.46 ug/L	182728	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	86
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
3	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	74
4	Ethanol, 2-butoxy- (CAS) $$ 2-Bu...	118	C6H14O2	000111-76-2	64





Library Search Compound Report

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Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

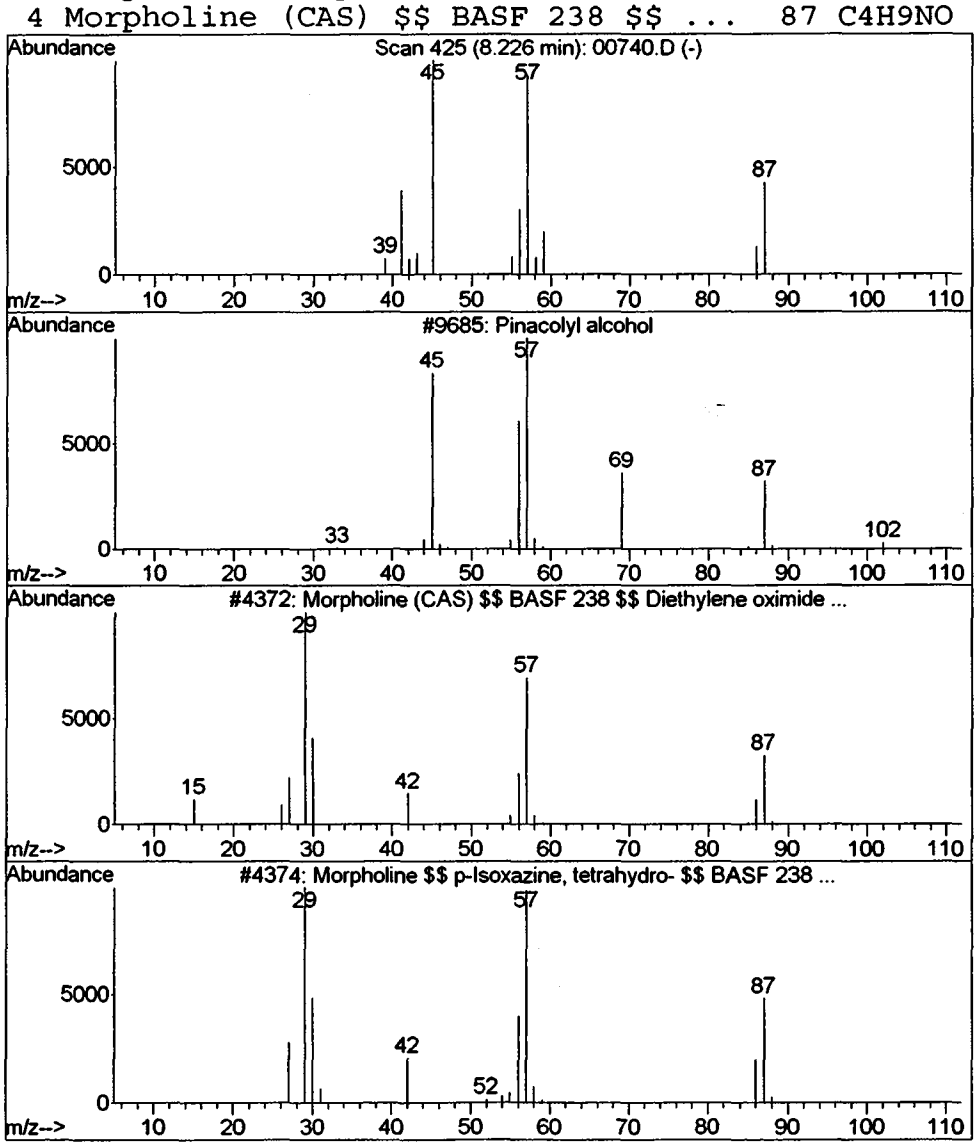
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

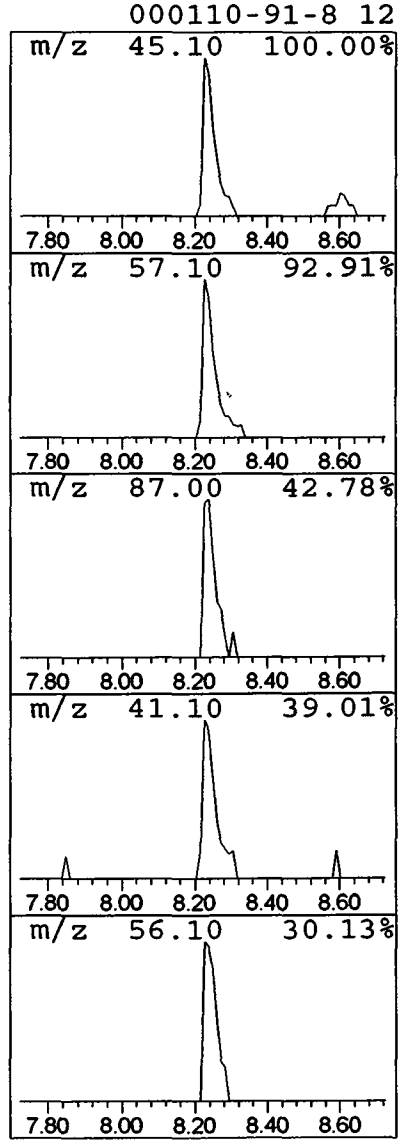
****

Peak Number 5 Pinacolyl alcohol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	0.23 ug/L	90499	1,4-Dichlorobenzene-d4	9.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pinacolyl alcohol	102	C6H14O	000464-07-3	38
2	Morpholine (CAS) $$ BASF 238 $$ ...	87	C4H9NO	000110-91-8	38
3	Morpholine $$ p-Isoxazine, tetra...	87	C4H9NO	000110-91-8	32
4	Morpholine (CAS) $$ BASF 238 $$ ...	87	C4H9NO	000110-91-8	12





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

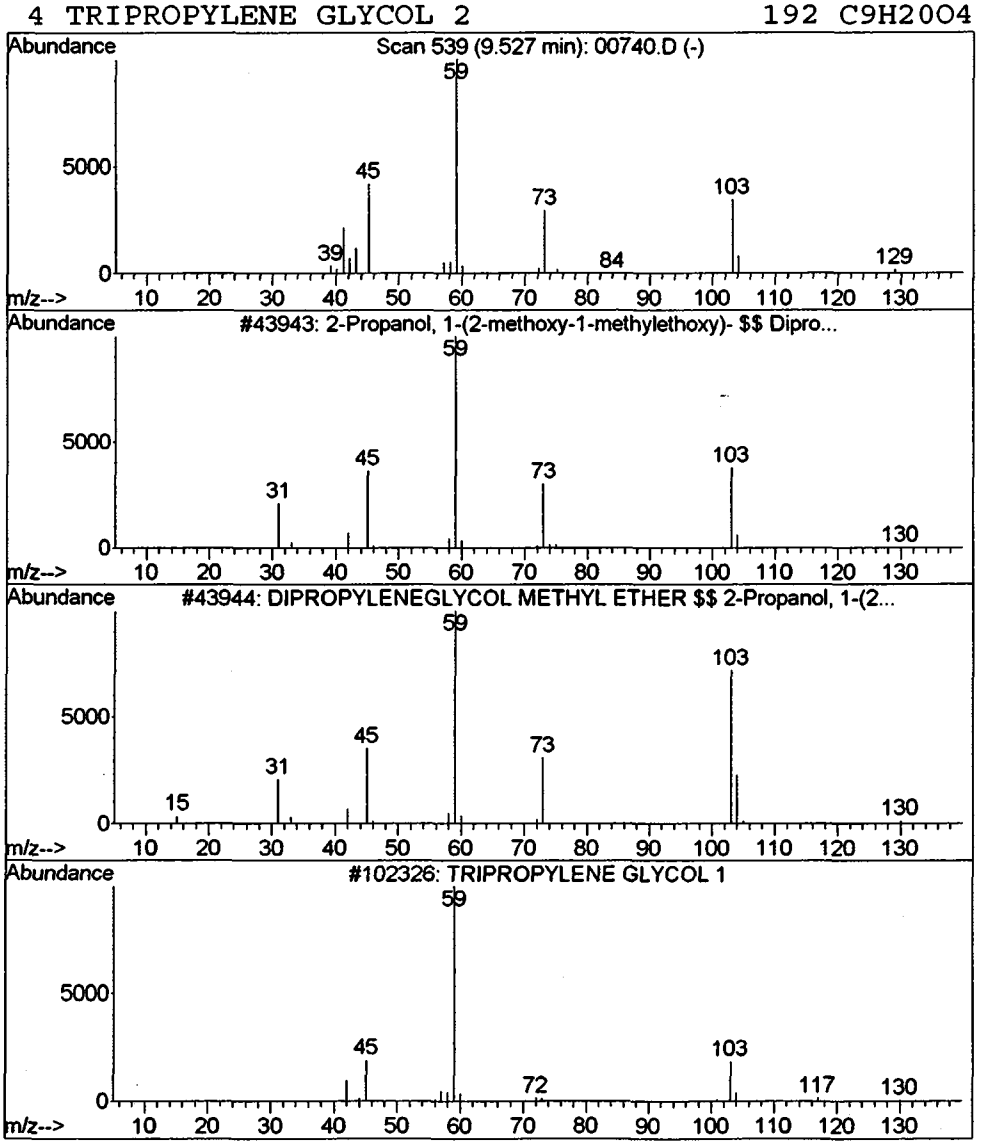
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

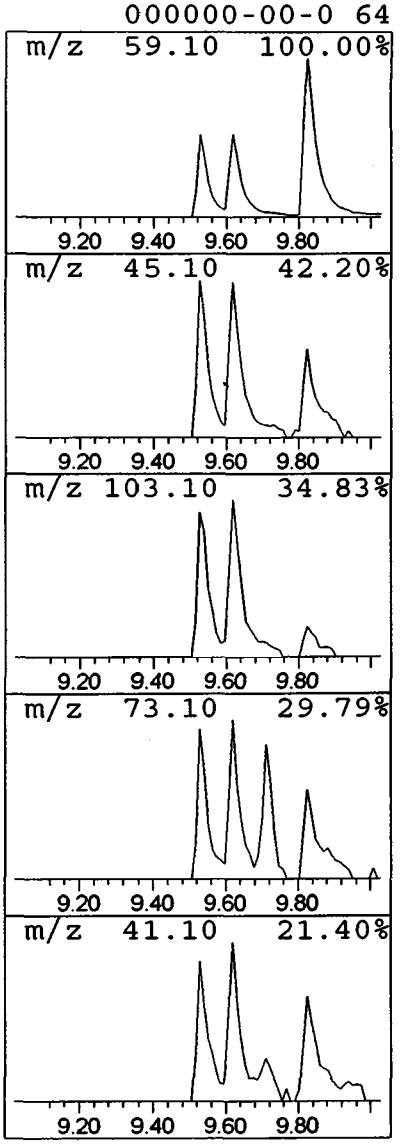
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	0.43 ug/L	169368	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	72
3	TRIPROPYLENE GLYCOL 1	192	C9H20O4	000000-00-0	64
4	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

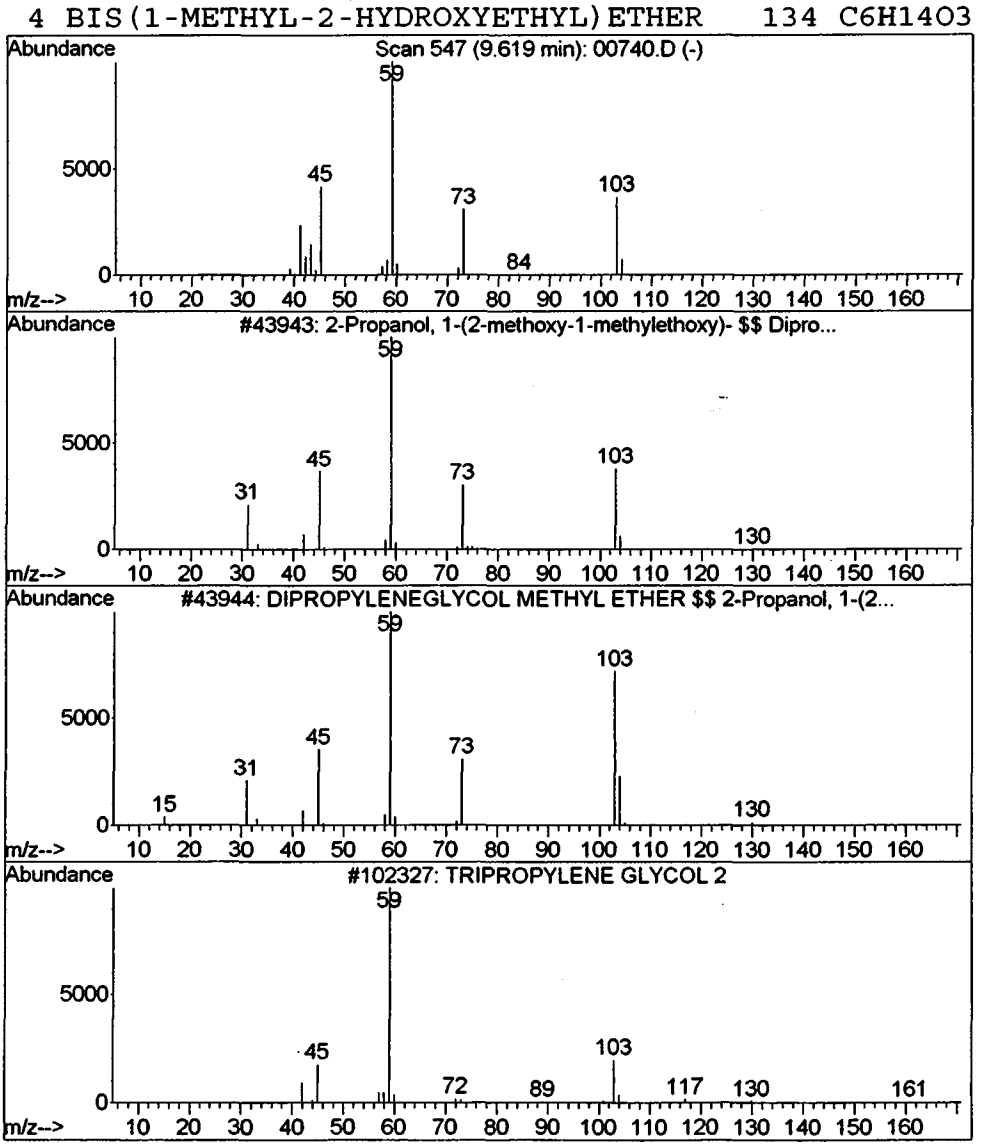
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

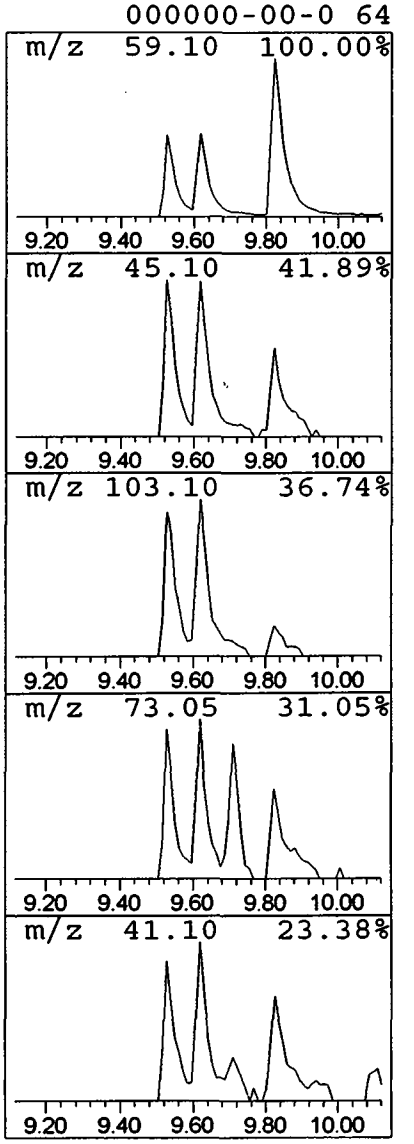
****

Peak Number 7 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	0.41 ug/L	163611	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	74
3	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	72
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	64





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Misc : January 16, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

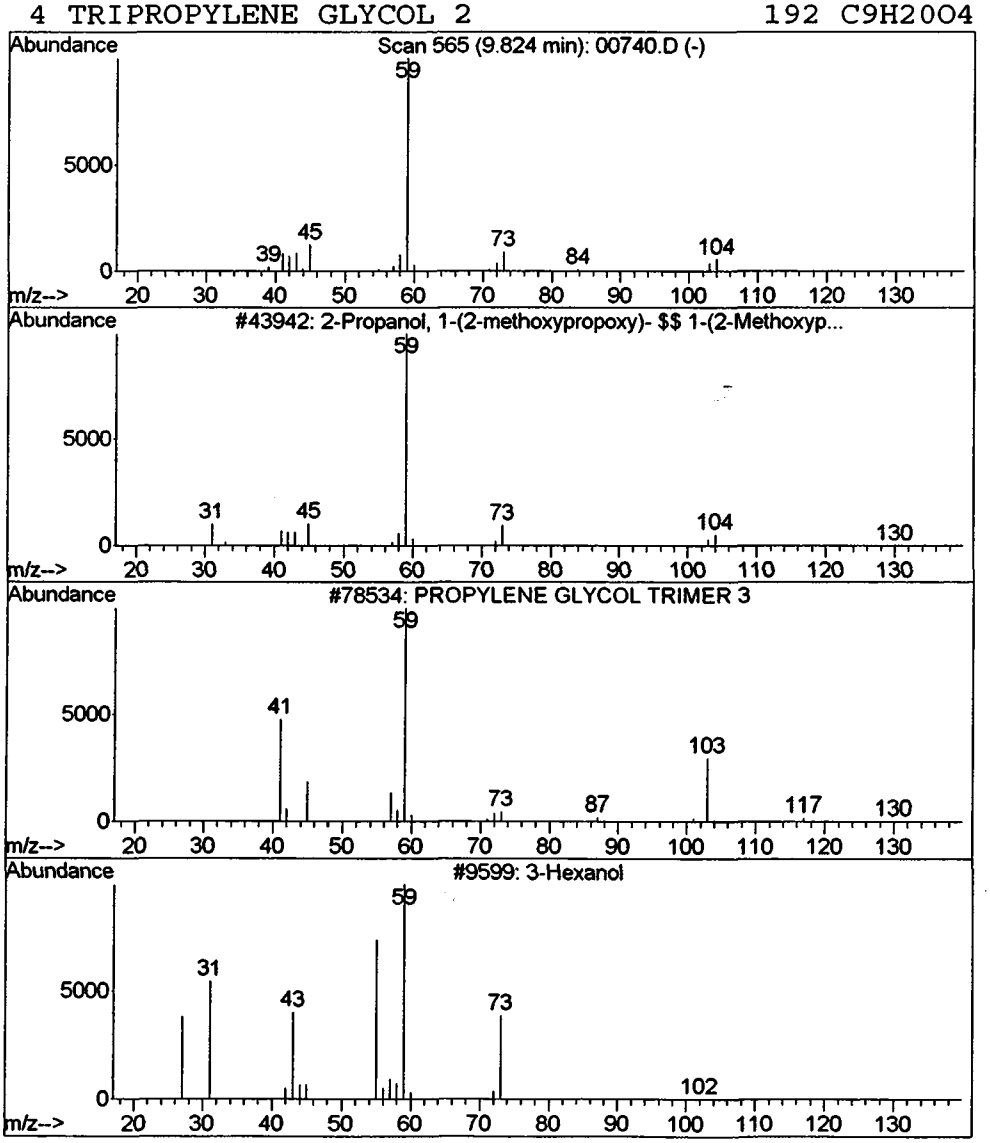
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

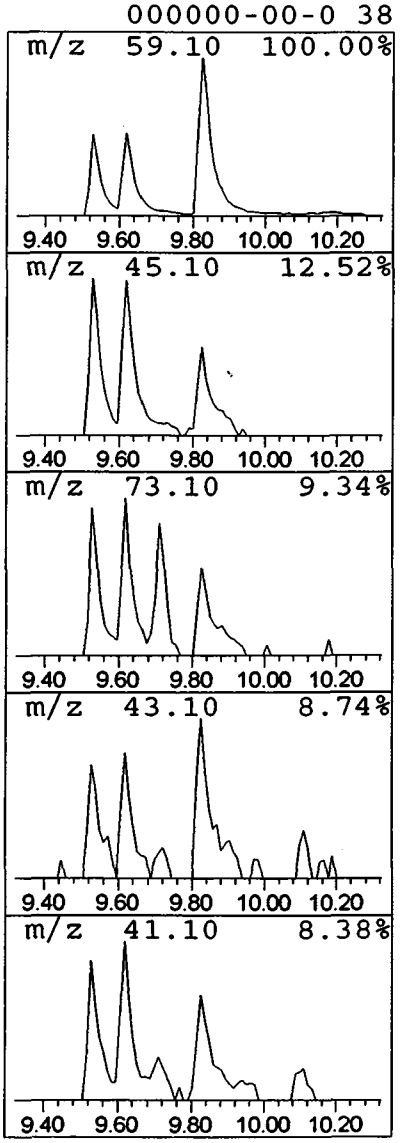
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	0.60 ug/L	238705	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 3	174	C9H18O3	000000-00-0	78
3	3-Hexanol	102	C6H14O	000623-37-0	39
4	TRIPROPYLENE GLYCOL 2	192	C9H20O4	000000-00-0	38





Library Search Compound Report

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Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 2002 Multiplr: 1.00
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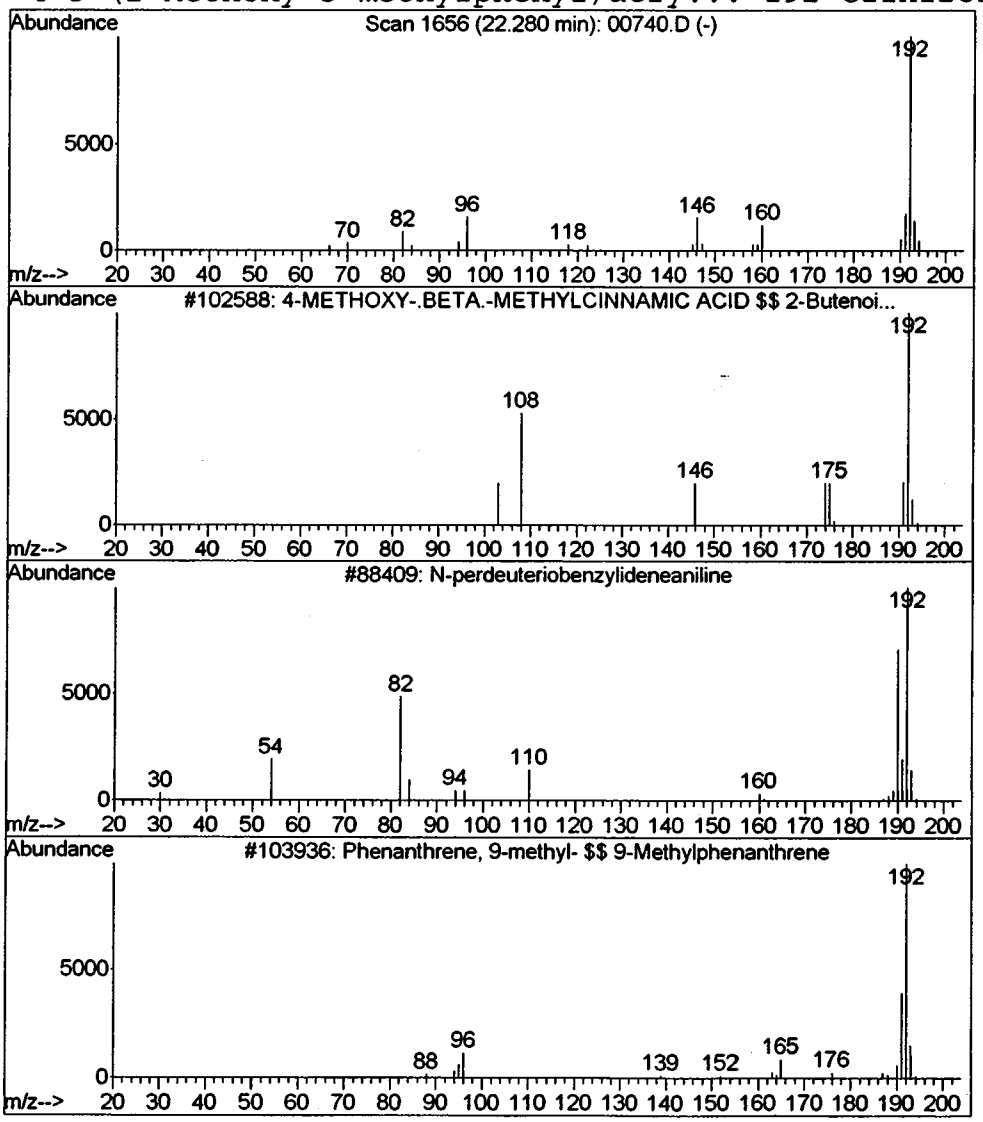
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

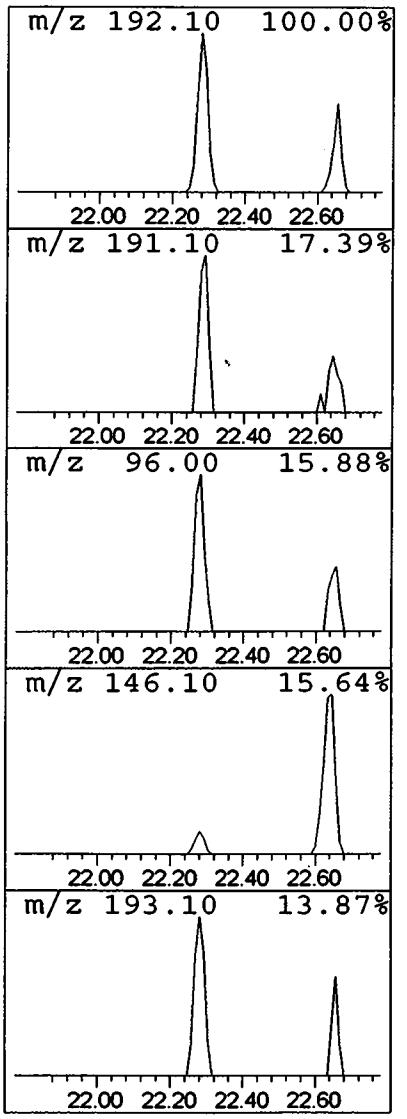
****

Peak Number 9 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	94635	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	53
4	3-(2-Methoxy-5-methylphenyl)acry...	192	C11H12O3	103986-76-1	53





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02JAN16\00740.D Vial: 8
Acq On : 16 Jan 2002 8:57 pm Operator:
Sample : 508scan Inst : Instrumen
Misc : January 16, 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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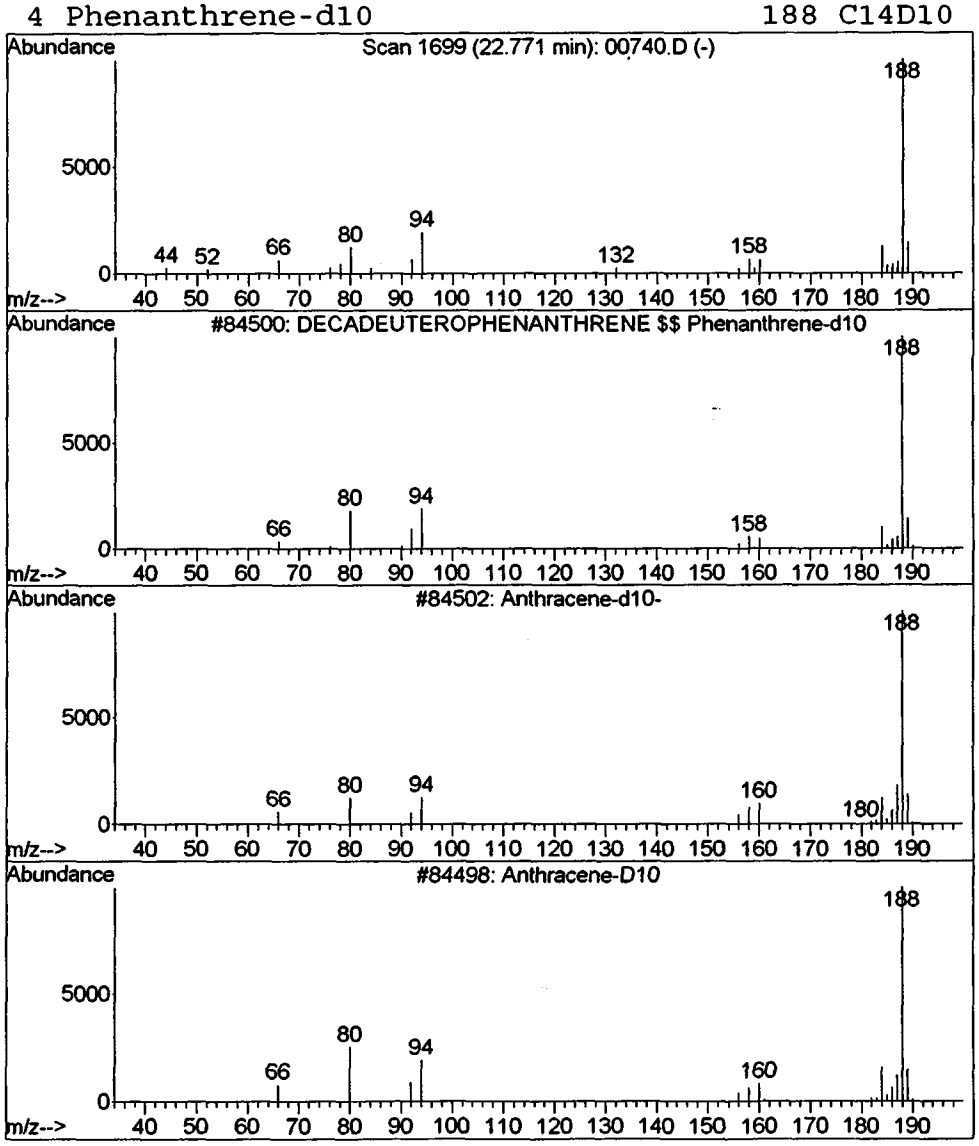
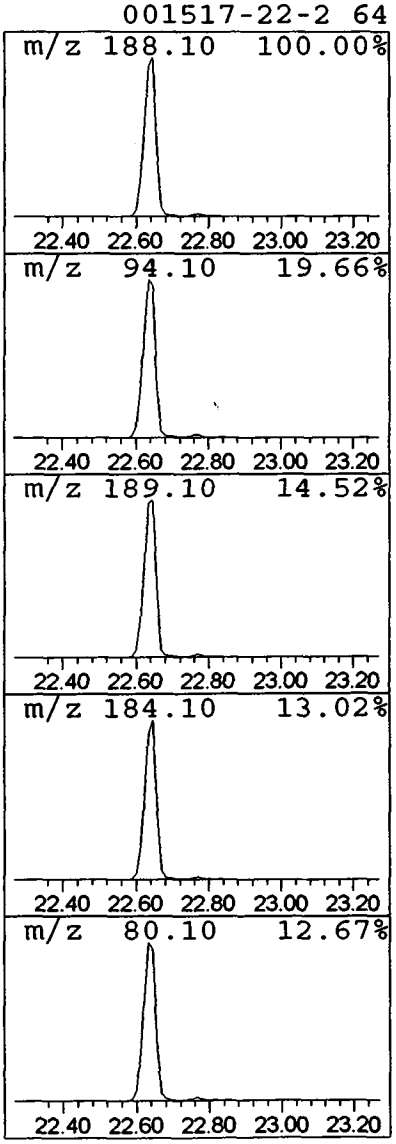
Peak Number 10 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.21 ug/L	140695	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	94
2	Anthracene-d10-	188	C14D10	001719-06-8	72
3	Anthracene-D10	188	C14D10	000000-00-0	72
4	Phenanthrene-d10	188	C14D10	001517-22-2	64





Tentatively Identified Compound (LSC) summary

perator ID: Date Acquired: 16 Jan 2002 8:57 pm
ata File: C:\MSDCHEM\1\5973N\02JAN16\00740.D
ame: 508scan
isc: January 16, 2002
ethod: C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
itle: 508 scan method
ibrary Searched: C:\DATABASE\WILEY7N.L

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--- #	RT	Resp	Conc
2-Pentenal, (E)-	4.83	0.2	ug/L	66631	1	9.71	7929770	20.0
3-Buten-2-ol, 2-m...	5.01	0.1	ug/L	57582	1	9.71	7929770	20.0
Acetic acid, 3-[1...	5.89	4.7	ug/L	1868470	1	9.71	7929770	20.0
Ethanol, 2-butoxy...	7.44	0.5	ug/L	182728	1	9.71	7929770	20.0
Pinacolyl alcohol	8.23	0.2	ug/L	90499	1	9.71	7929770	20.0
2-Propanol, 1-(2-...	9.53	0.4	ug/L	169368	1	9.71	7929770	20.0
2-Propanol, 1-(2-...	9.62	0.4	ug/L	163611	1	9.71	7929770	20.0
2-Propanol, 1-(2-...	9.82	0.6	ug/L	238705	1	9.71	7929770	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	94635	4	22.65	13192400	20.0
DECADEUTEROPHENAN...	22.77	0.2	ug/L	140695	4	22.65	13192400	20.0