User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 02/13/2002 Time: 08:48:15

Sample: AE00110
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 2/13/02 08:45 Ended: 2/13/02 08:45 Analyst: DLV
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		74		5.0

Comments for Sample AE00110 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 02-13-2002 Time: 08:48:55

The GCMS scan, from 35 to 550 amu, does not reveal the presence of unusual compounds.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 05 08:28:24 2002 Quant Results File: SCAN508.RES

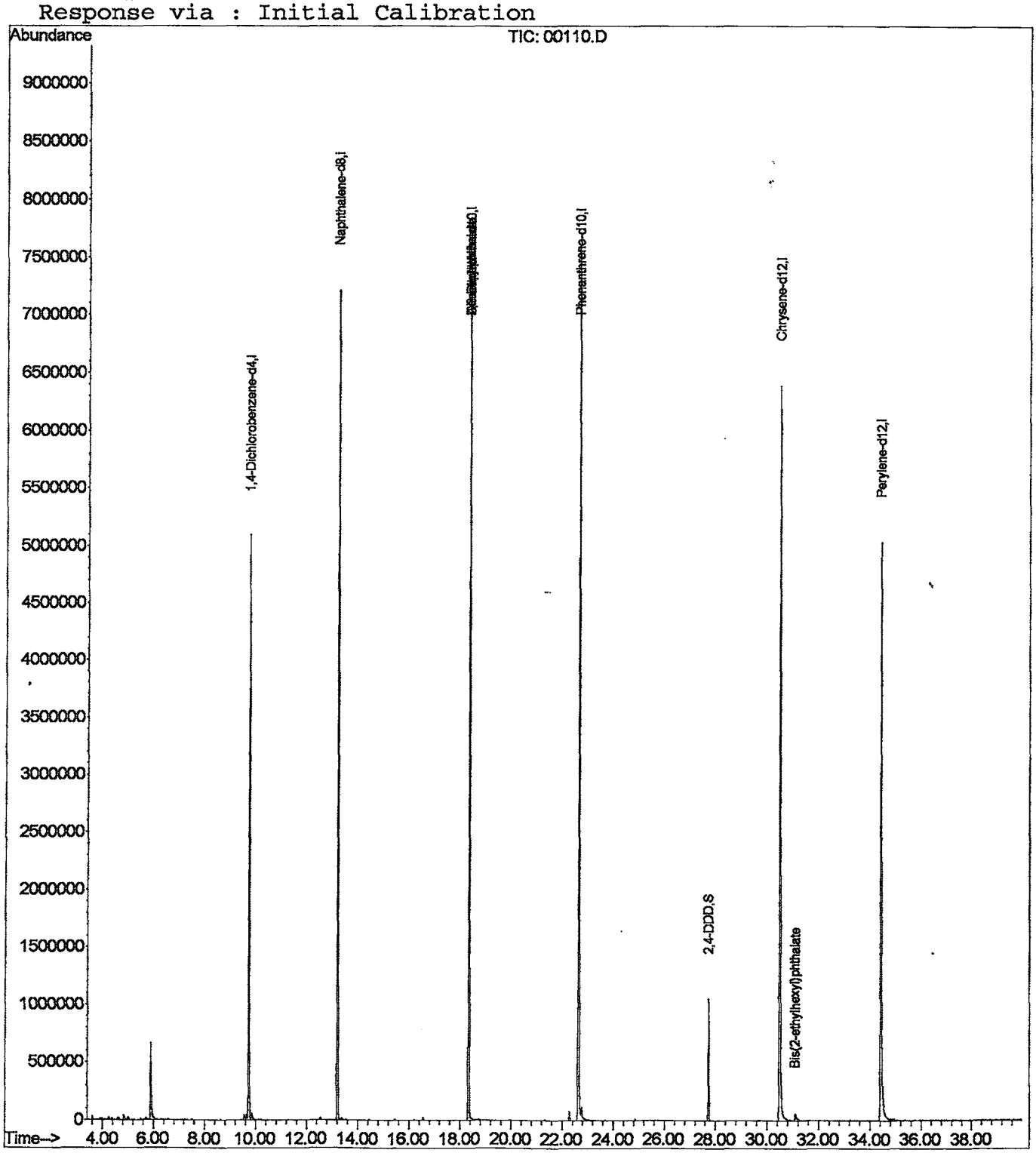
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Fri Jan 11 13:20:07 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.72	152	1843920	20.00	ug/L	0.00
10) Naphthalene-d8	13.20	136	7770757	20.00	ug/L	-0.01
17) Acenaphthene-d10	18.34	164	4044546	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	6648694	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	5877665	20.00	ug/L	-0.01
44) Perylene-d12	34.43	264	4297109	20.00	ug/L	0.01
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	388240	3.69	ug/L	0.00
Spiked Amount 5.000			Recovery = 73.80%			
Target Compounds						Qvalue
20) Dimethylphthalate	18.34	163	646354	2.42	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	516145	9.91	ug/L #	17
42) Bis(2-ethylhexyl)phthalate	31.10	149	82284	0.83	ug/L	97

(#) = qualifier out of range (m) = manual integration
00110.D SCAN508.M Tue Feb 05 08:28:26 2002 Page 1

Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Feb 5 8:28 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\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 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

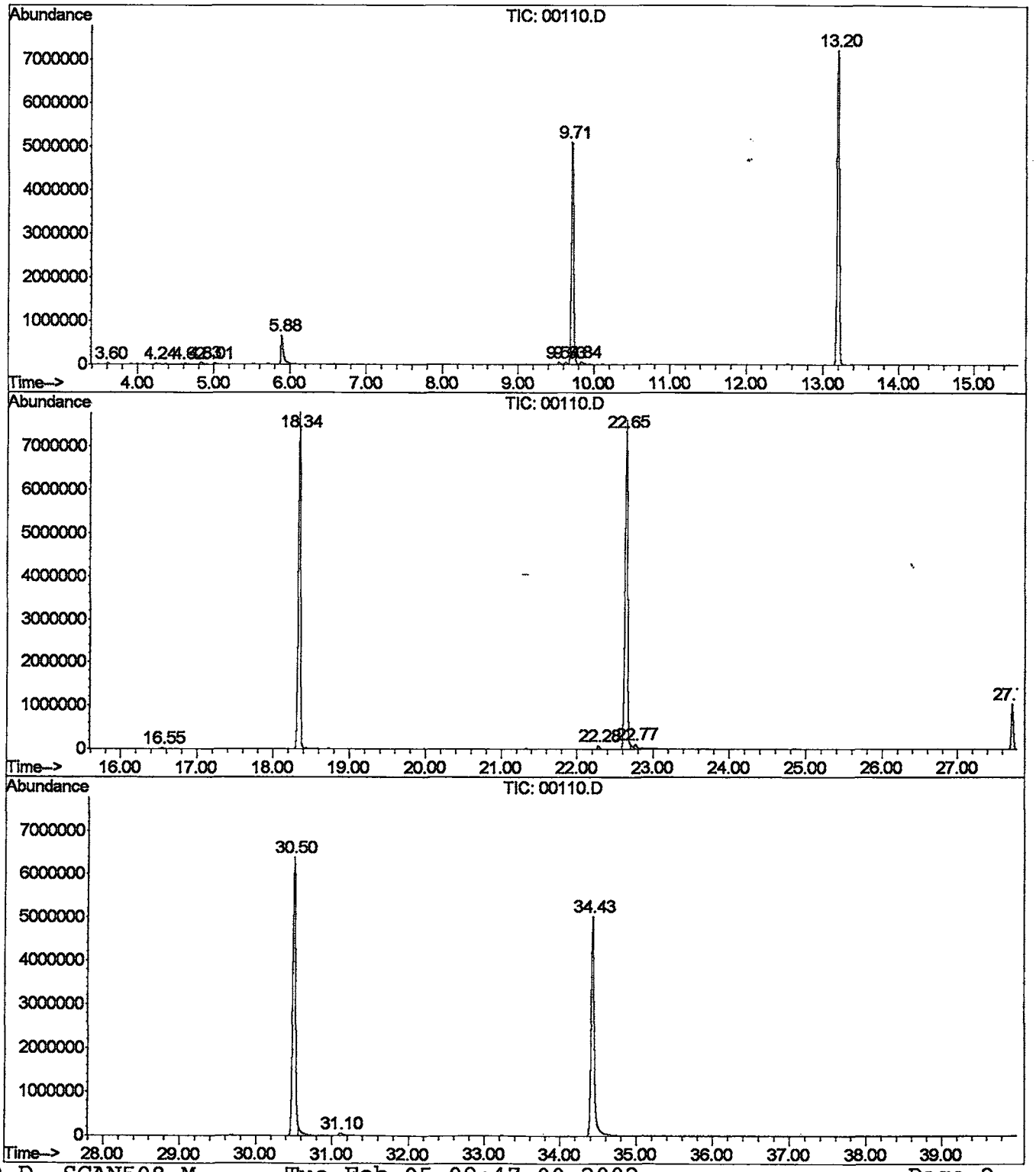
Signal : TIC

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	29995	45842	0.26%	0.048%
2	4.241	73	76	83	rBV4	25928	61987	0.35%	0.065%
3	4.618	107	109	121	rVV3	22220	58156	0.33%	0.061%
4	4.835	125	128	141	rVV2	41049	125028	0.71%	0.130%
5	5.006	141	143	147	rVB	26720	47945	0.27%	0.050%
6	5.885	217	220	243	rVV	661227	1479341	8.40%	1.544%
7	9.538	535	540	545	rVV	44589	99246	0.56%	0.104%
8	9.630	545	548	551	rVV	51909	110782	0.63%	0.116%
9	9.710	551	555	561	rVV	5096440	10593339	60.17%	11.056%
10	9.835	561	566	587	rVB	58063	203371	1.16%	0.212%
11	13.203	855	861	865	rBV	7210448	15021696	85.32%	15.677%
12	16.548	1149	1154	1159	rVB	26538	48732	0.28%	0.051%
13	18.341	1305	1311	1317	rBV	7771849	16377088	93.02%	17.092%
14	22.280	1653	1656	1661	rBV	78533	145678	0.83%	0.152%
15	22.645	1681	1688	1693	rBV2	7598406	17605750	100.00%	18.374%
16	22.771	1697	1699	1713	rVB	109433	299651	1.70%	0.313%
17	27.726	2129	2133	2139	rBV	1050880	1895967	10.77%	1.979%
18	30.500	2369	2376	2381	rBV2	6386654	16836066	95.63%	17.571%
19	31.105	2423	2429	2447	rVB	56075	230676	1.31%	0.241%
20	34.427	2713	2720	2749	rBV	5029558	14533060	82.55%	15.167%

Sum of corrected areas: 95819401

LSC Report - Integrated Chromatogram

File : C:\MSDCHEM\1\5973N\02FEB04\00110.D
Operator :
Acquired : 4 Feb 2002 1:28 pm using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan
Misc Info : February 4, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

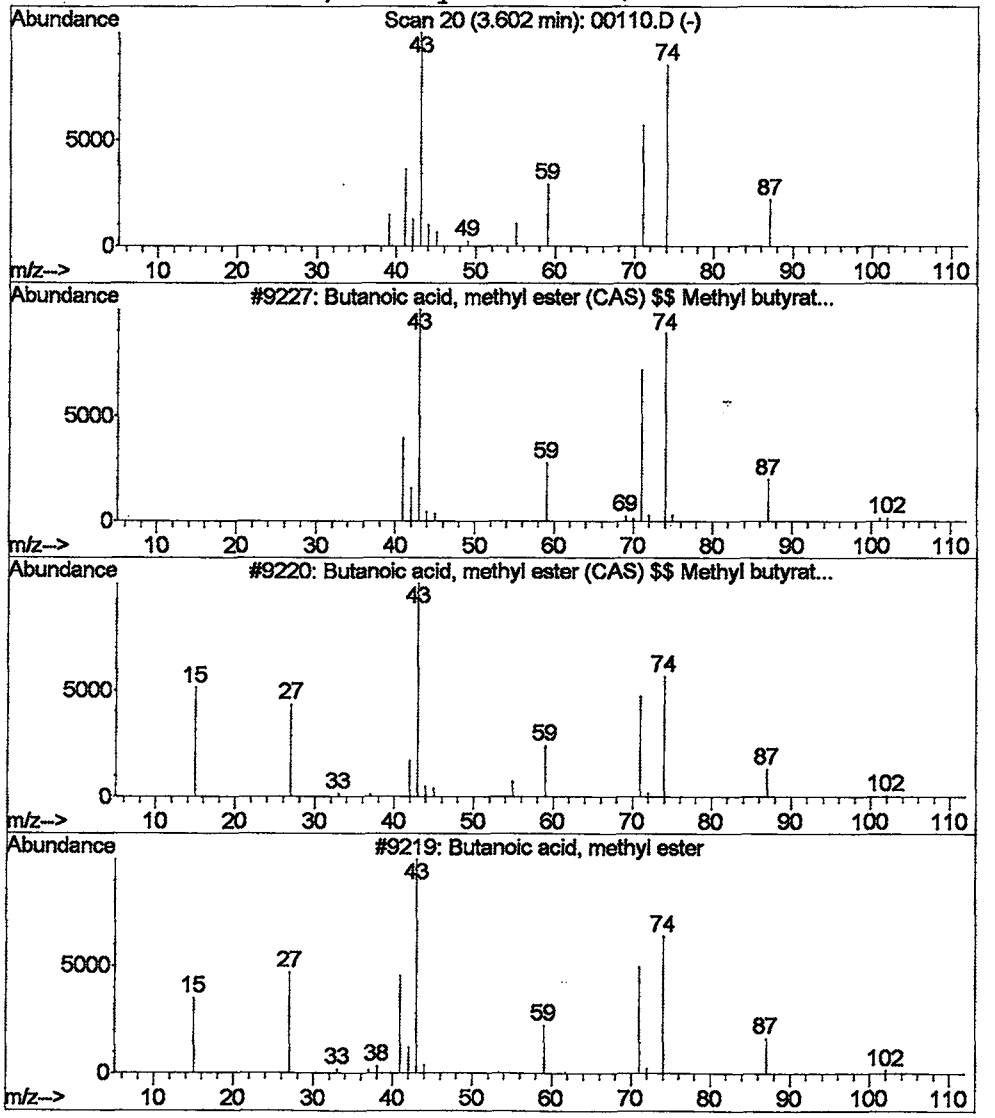
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

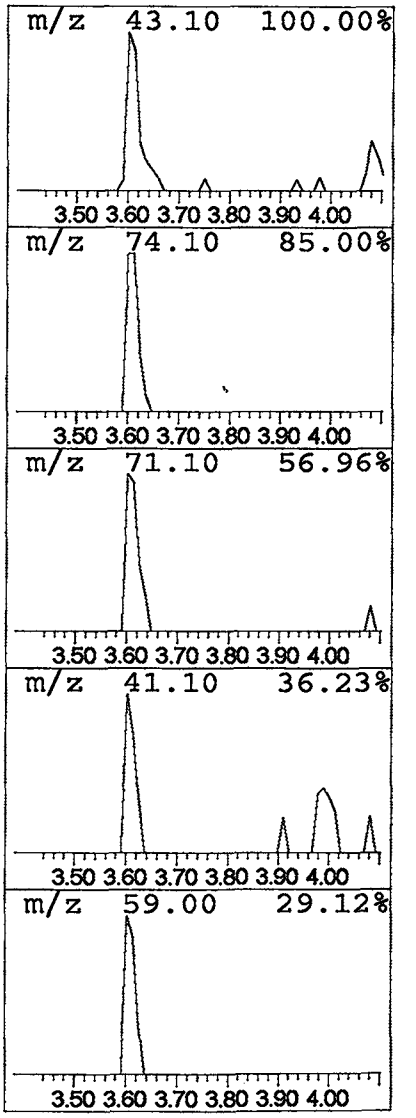
****

Peak Number 1 Butanoic acid, methyl ester... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	0.09 ug/L	45842	1,4-Dichlorobenzene-d4	9.72

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	78





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 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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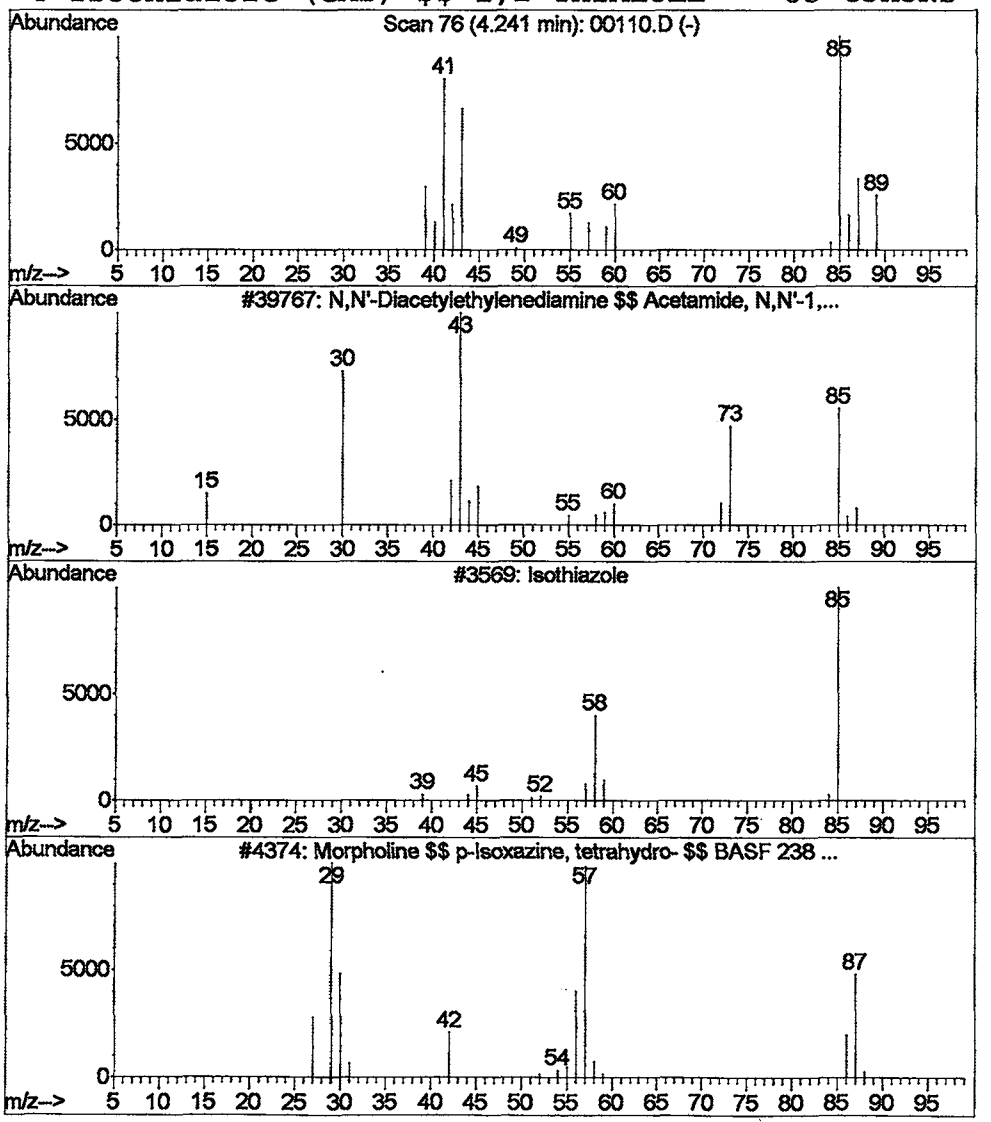
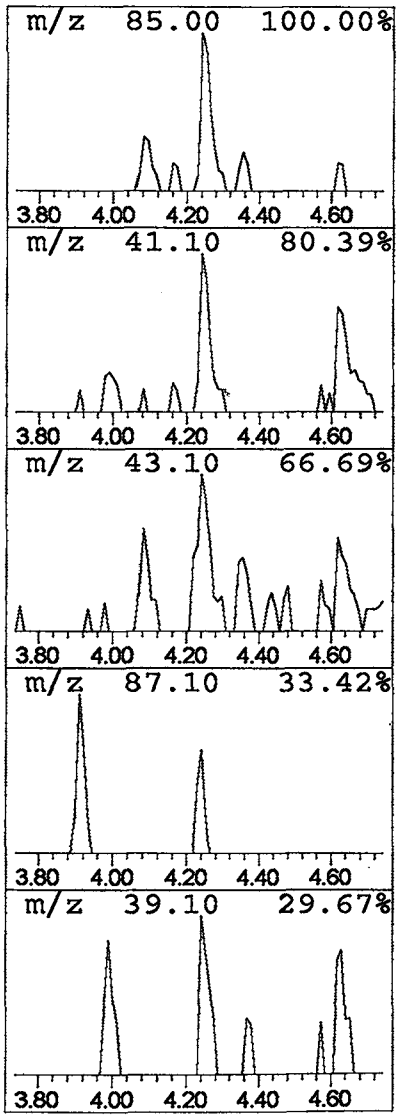
Peak Number 2 N,N'-Diacetylethylenediamin... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	0.12 ug/L	61987	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Diacetylethylenediamine $$ ...	144	C6H12N2O2	000871-78-3	33
2	Isothiazole	85	C3H3NS	000288-16-4	9
3	Morpholine $$ p-Isoxazine, tetra...	87	C4H9NO	000110-91-8	9
4	Isothiazole (CAS) $$ 1,2-THIAZOLE	85	C3H3NS	000288-16-4	9





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

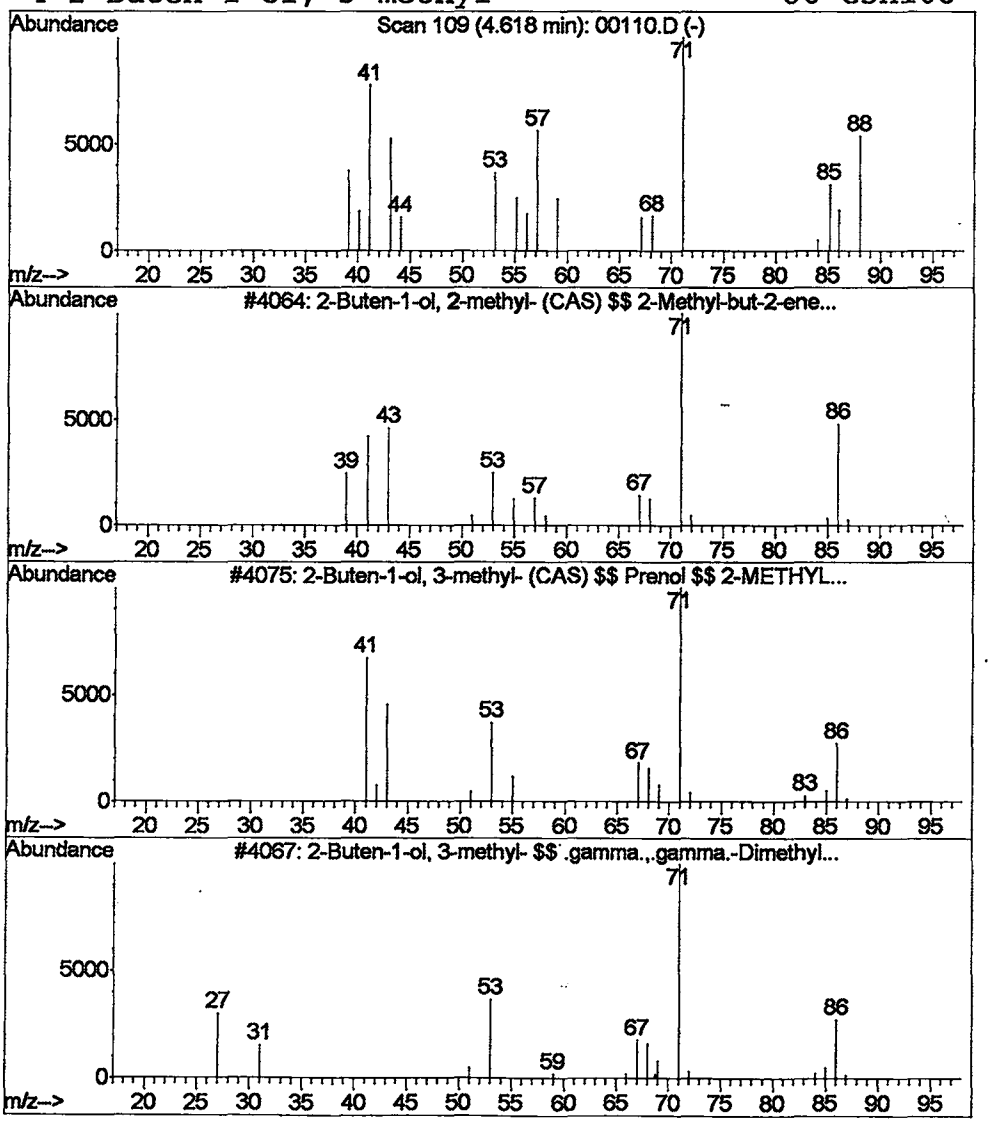
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

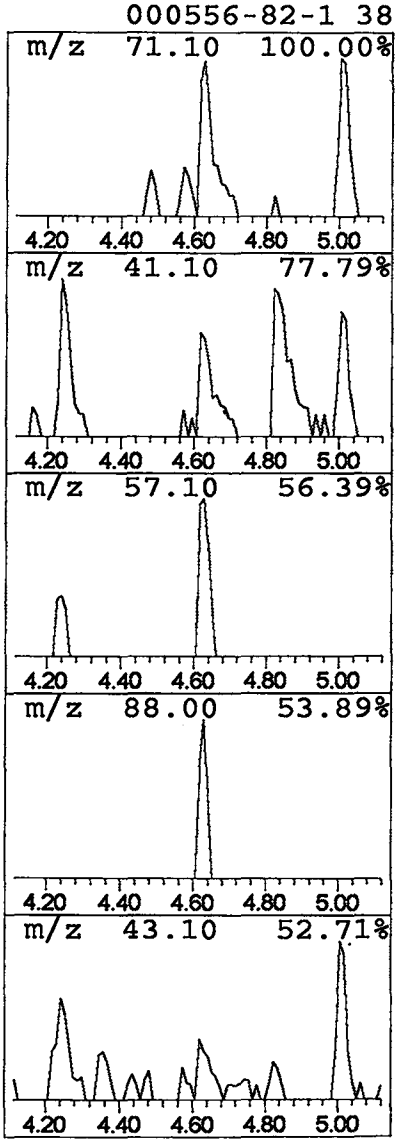
****

Peak Number 3 2-Buten-1-ol, 2-methyl- (CA... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.62	0.11 ug/L	58156	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Buten-1-ol, 2-methyl- (CAS) $$...	86	C5H10O	004675-87-0	50
2	2-Buten-1-ol, 3-methyl- (CAS) $$...	86	C5H10O	000556-82-1	49
3	2-Buten-1-ol, 3-methyl- $$ .gamm...	86	C5H10O	000556-82-1	47
4	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	38





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

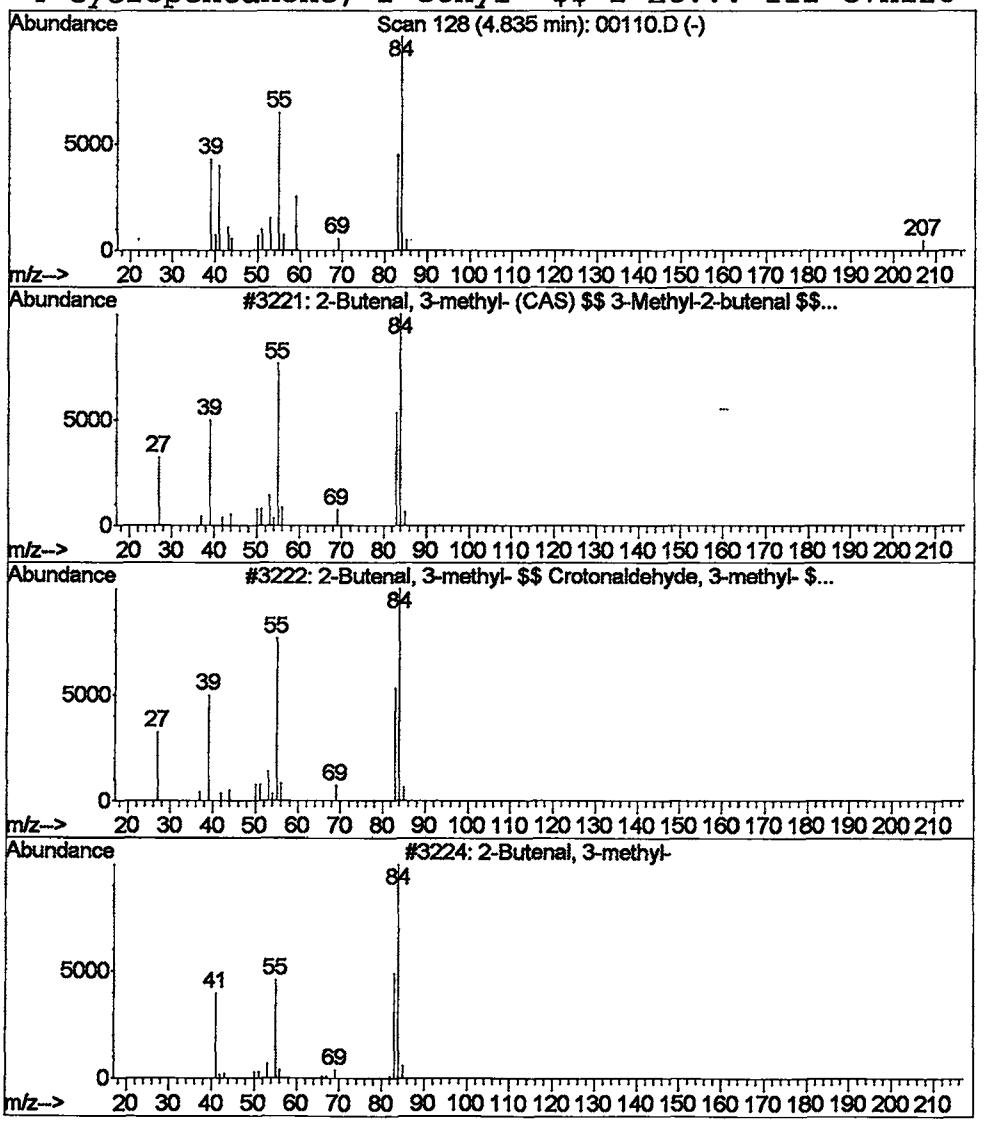
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

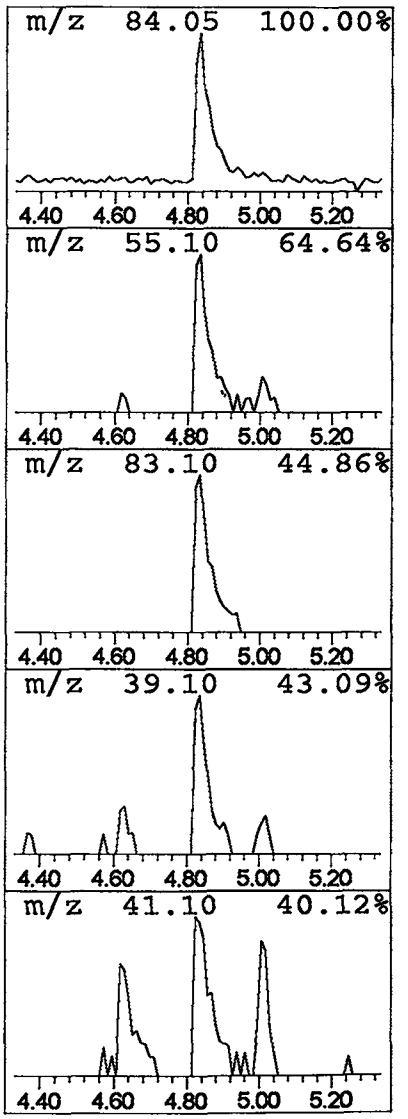
****

Peak Number 4 2-Butenal, 3-methyl- (CAS) ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.83	0.24 ug/L	125028	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenal, 3-methyl- (CAS) $$ 3-...	84	C5H8O	000107-86-8	87
2	2-Butenal, 3-methyl- $$ Crotonal...	84	C5H8O	000107-86-8	87
3	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	72
4	Cyclopentanone, 2-ethyl- $$ 2-Et...	112	C7H12O	004971-18-0	64





Library Search Compound Report

Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

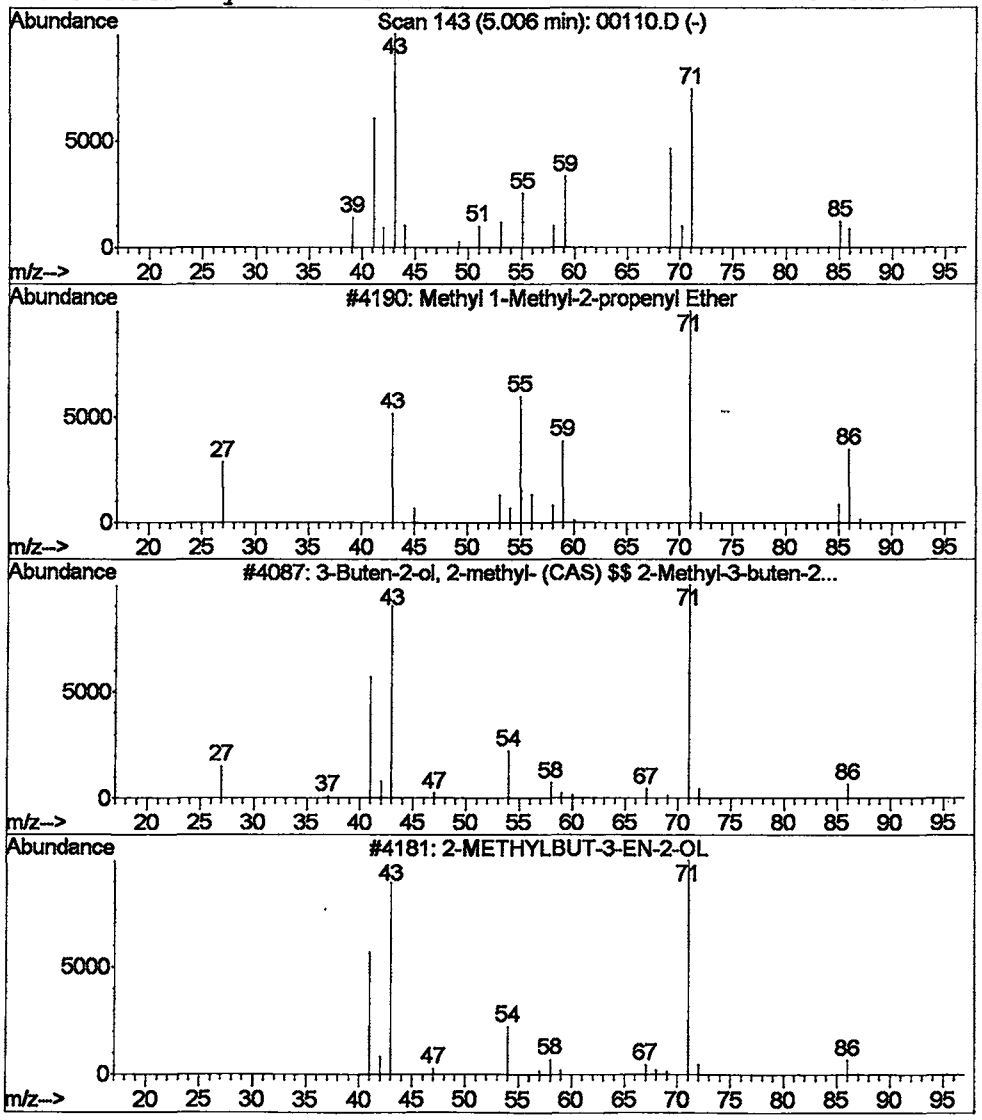
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

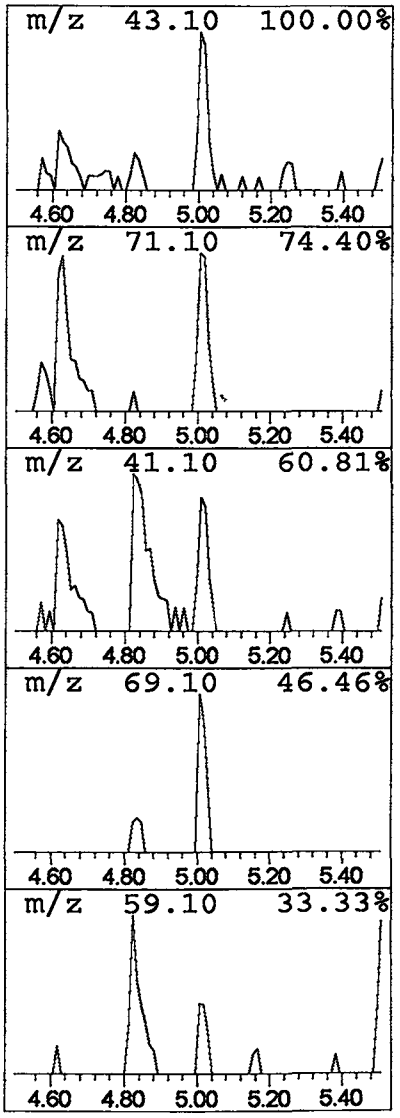
****

Peak Number 5 Methyl 1-Methyl-2-propenyl ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.09 ug/L	47945	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl 1-Methyl-2-propenyl Ether	86	C5H10O	000000-00-0	59
2	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	47
3	2-METHYLBUT-3-EN-2-OL	86	C5H10O	000000-00-0	47
4	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	45





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

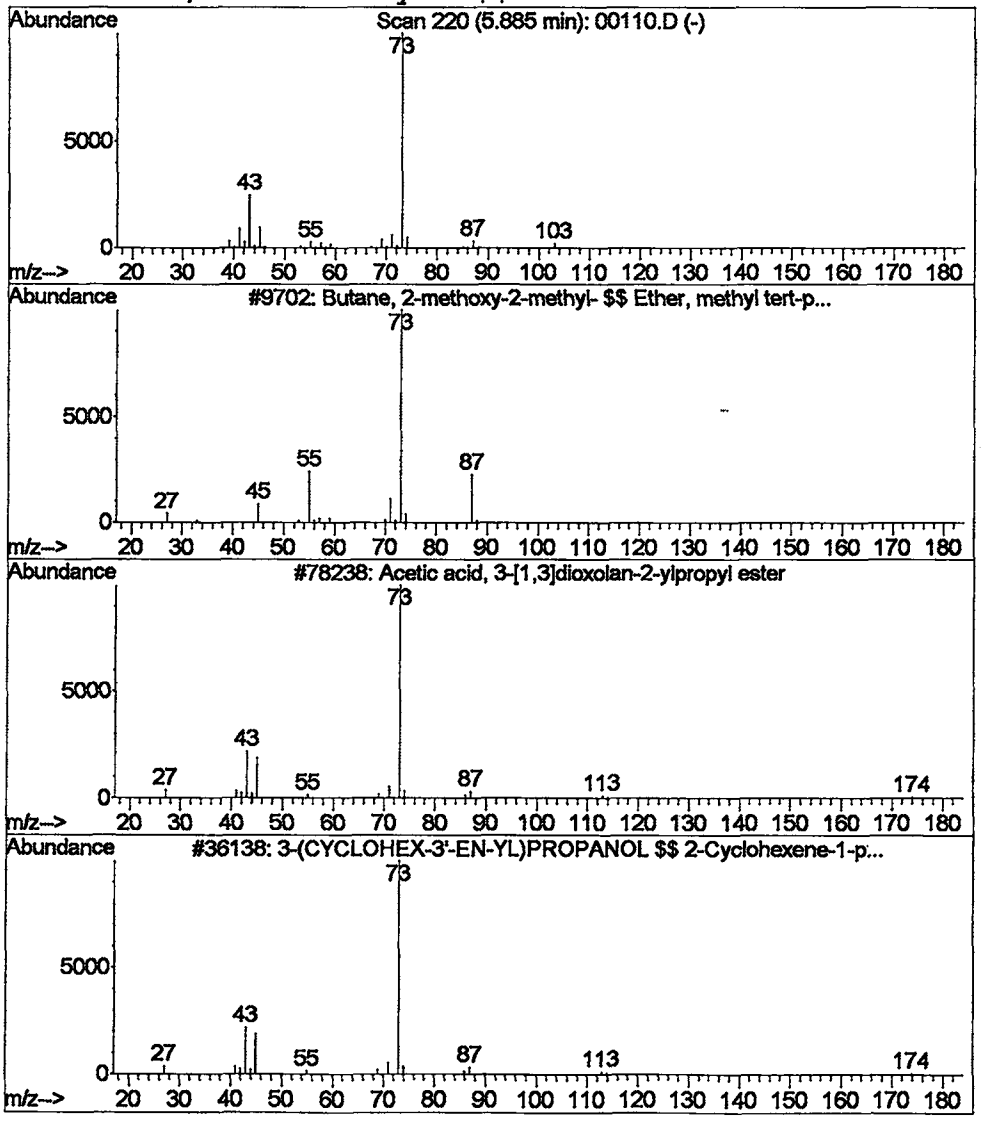
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

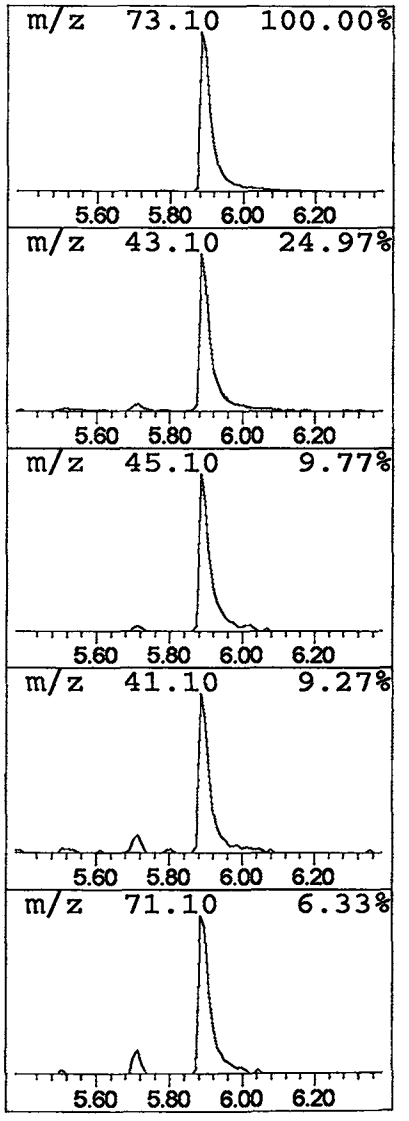
****

Peak Number 6 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	2.79 ug/L	1479340	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36
2	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
3	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
4	Silane, tetramethyl- $$ Tetramet...	88	C4H12Si	000075-76-3	28





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

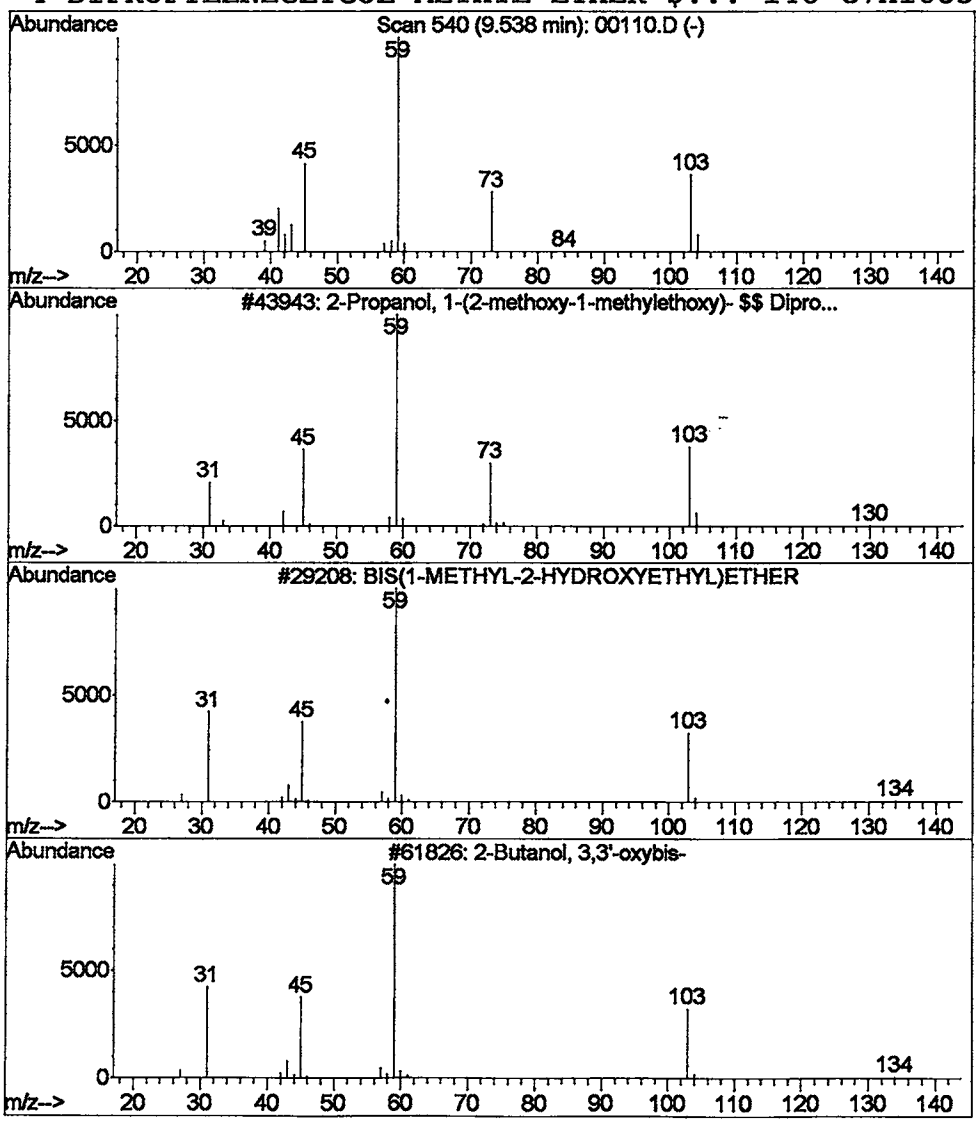
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

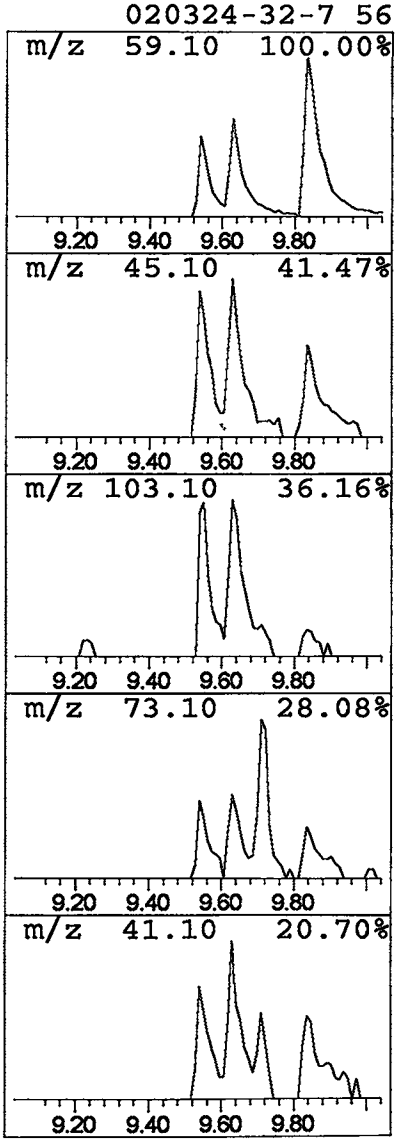
****

Peak Number 7 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	0.19 ug/L	99246	1,4-Dichlorobenzene-d4	9.72

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





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

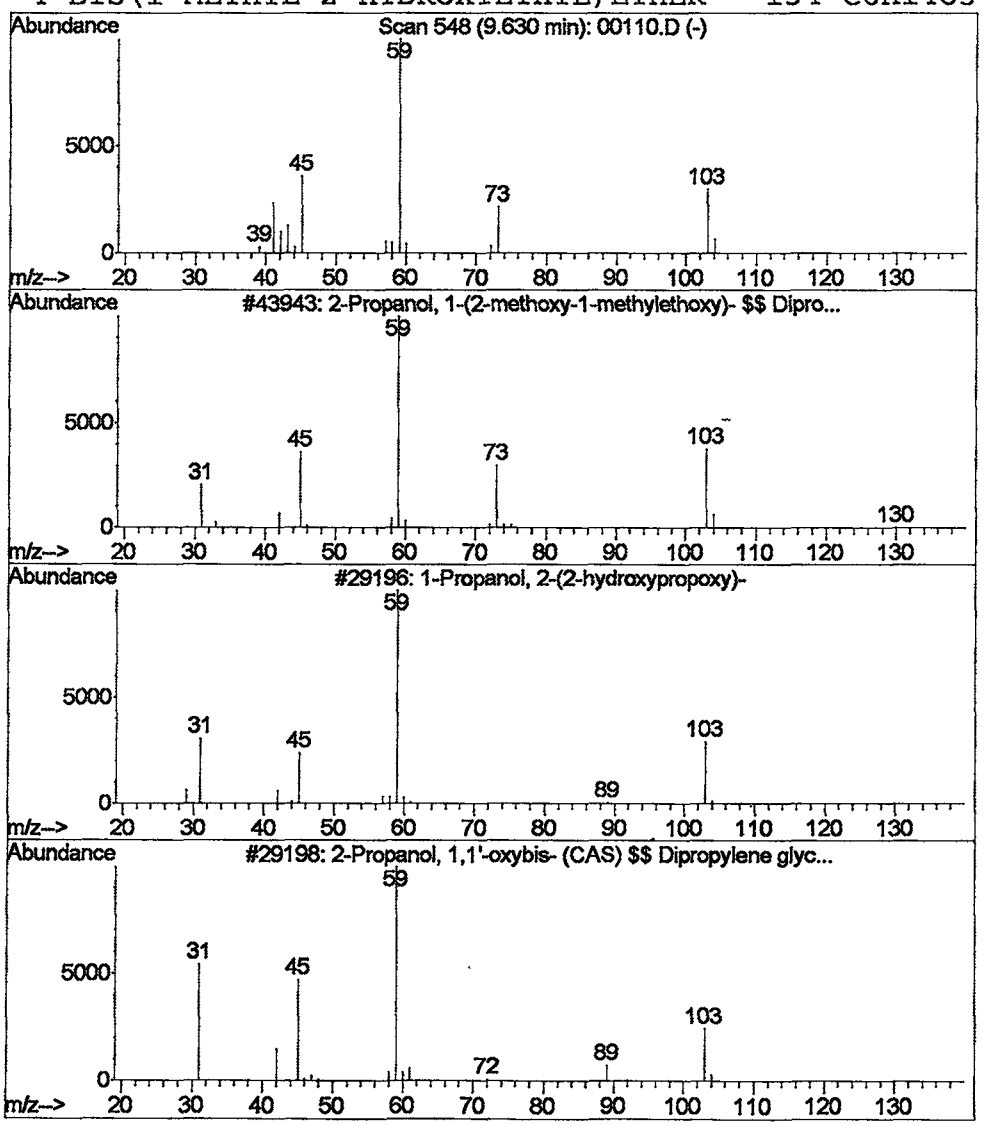
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

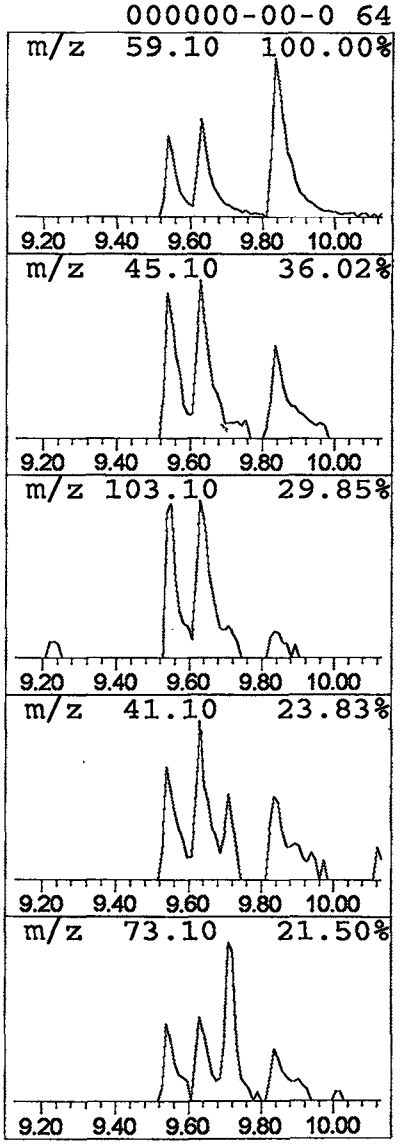
****

Peak Number 8 2-Propanol, 1-(2-methoxy-1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	0.21 ug/L	110782	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	83
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
3	2-Propanol, 1,1'-oxybis- (CAS) $...	134	C6H14O3	000110-98-5	72
4	BIS(1-METHYL-2-HYDROXYETHYL)ETHER	134	C6H14O3	000000-00-0	64





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

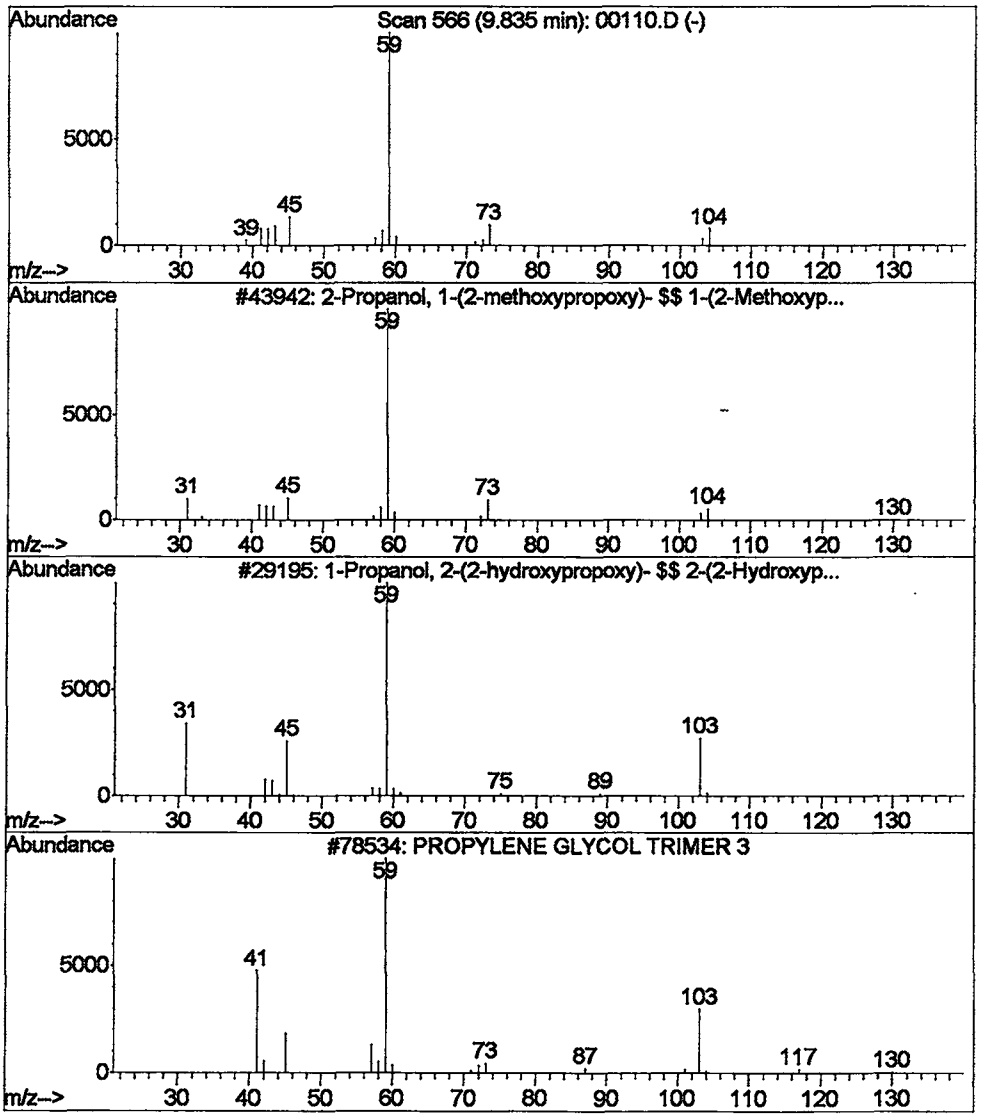
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

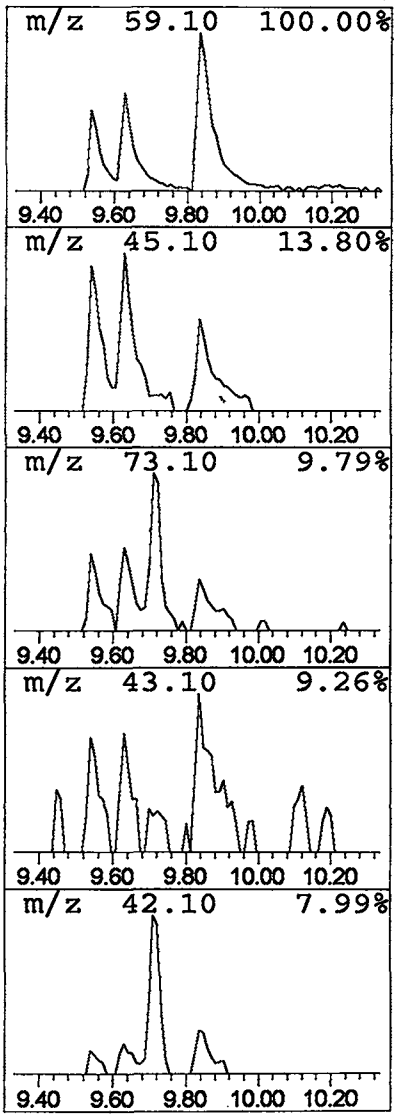
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	0.38 ug/L	203371	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-methoxypropoxy)...	148	C7H16O3	013429-07-7	83
2	1-Propanol, 2-(2-hydroxypropoxy)...	134	C6H14O3	000106-62-7	56
3	PROPYLENE GLYCOL TRIMER 3	174	C9H18O3	000000-00-0	56
4	PROPYLENE GLYCOL TRIMER 1	174	C9H18O3	000000-00-0	56





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 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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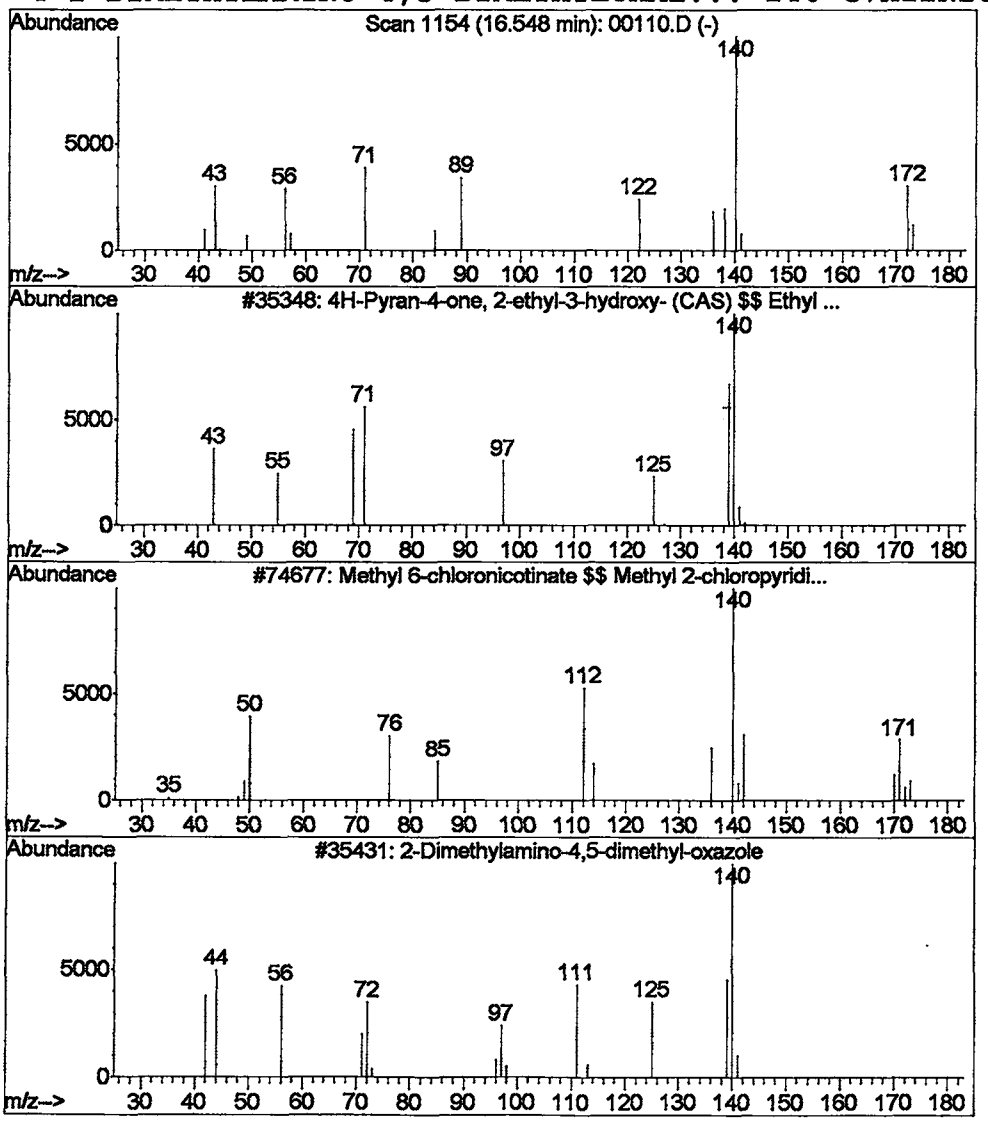
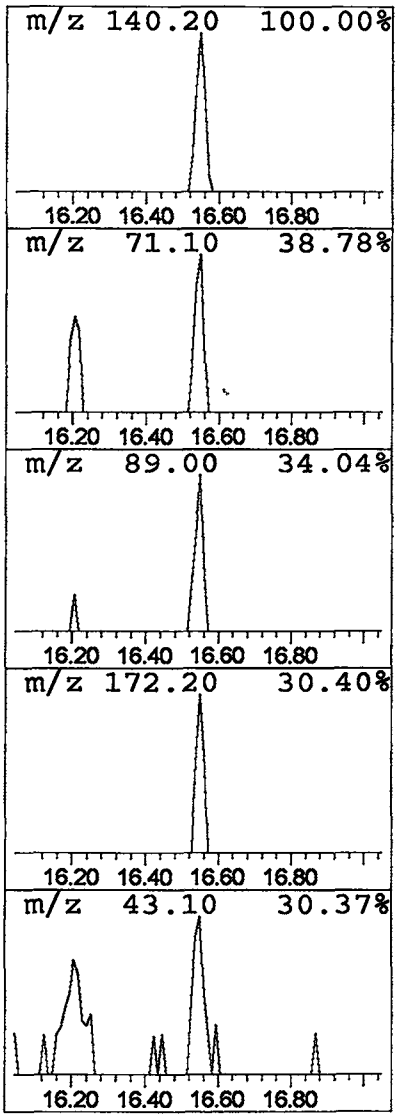
Peak Number 10 4H-Pyran-4-one, 2-ethyl-3-h... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.55	0.06 ug/L	48732	Acenaphthene-d10	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Pyran-4-one, 2-ethyl-3-hydrox...	140	C7H8O3	004940-11-8	25
2	Methyl 6-chloronicotinate $$ Met...	171	C7H6ClNO2	073781-91-6	12
3	2-Dimethylamino-4,5-dimethyl-oxa...	140	C7H12N2O	000000-00-0	9
4	2-DIMETHYLAMINO-4,5-DIMETHYLOXAZ...	140	C7H12N2O	073777-29-4	9

NO good match





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 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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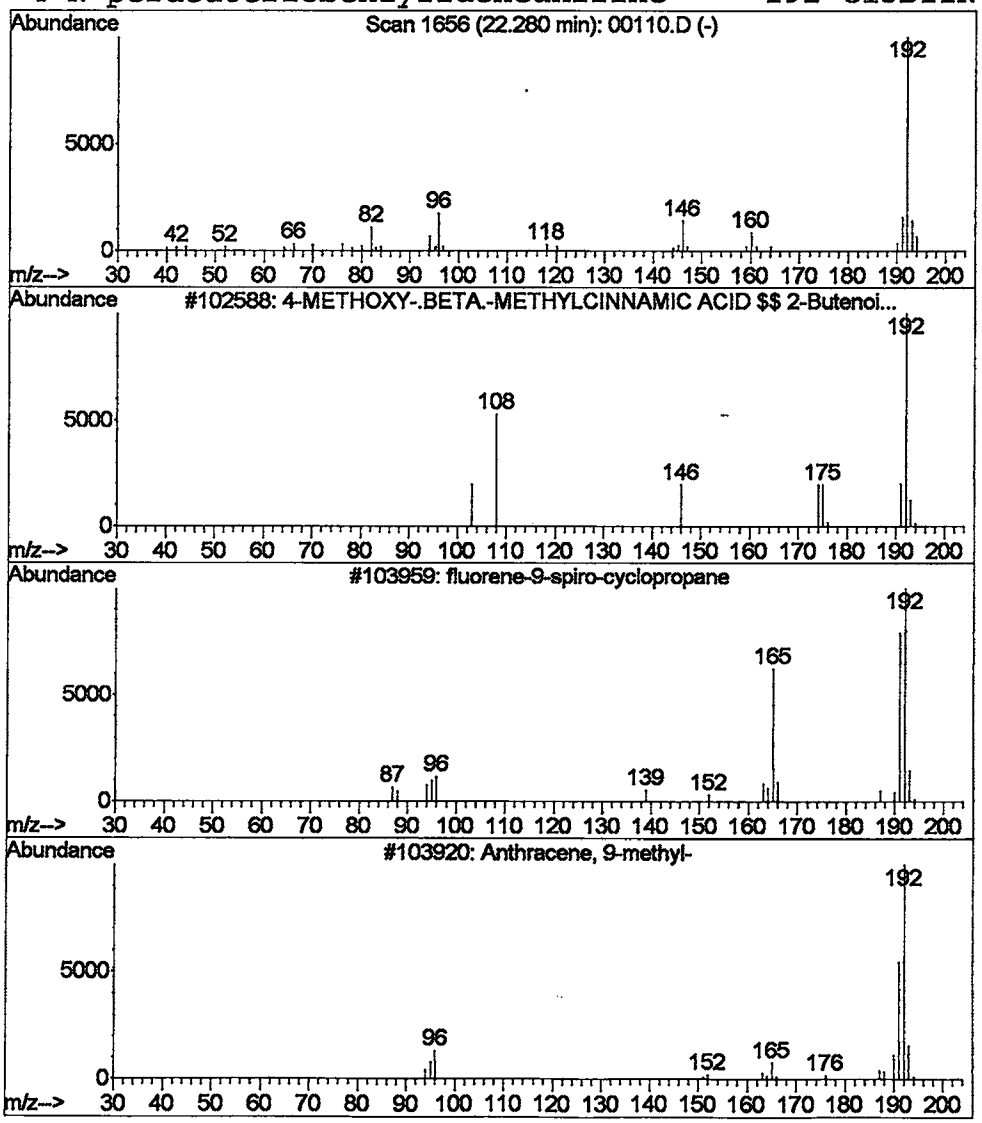
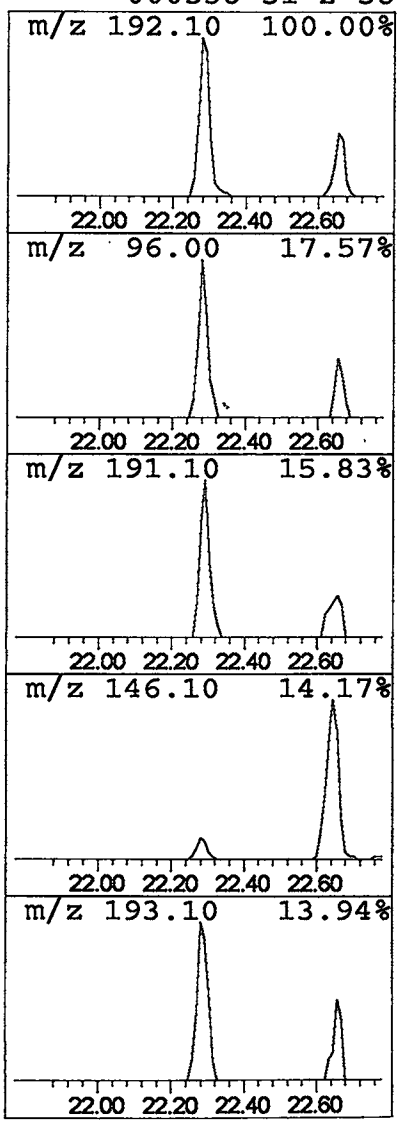
Peak Number 11 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.17 ug/L	145678	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	fluorene-9-spiro-cyclopropane	192	C15H12	000000-00-0	59
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	59
4	N-perdeuteriobenzylideneaniline	192	C13D11N	000538-51-2	58





Data File : C:\MSDCHEM\1\5973N\02FEB04\00110.D Vial: 4
Acq On : 4 Feb 2002 1:28 pm Operator:
Sample : 508 scan Inst : Instrumen
Misc : February 4, 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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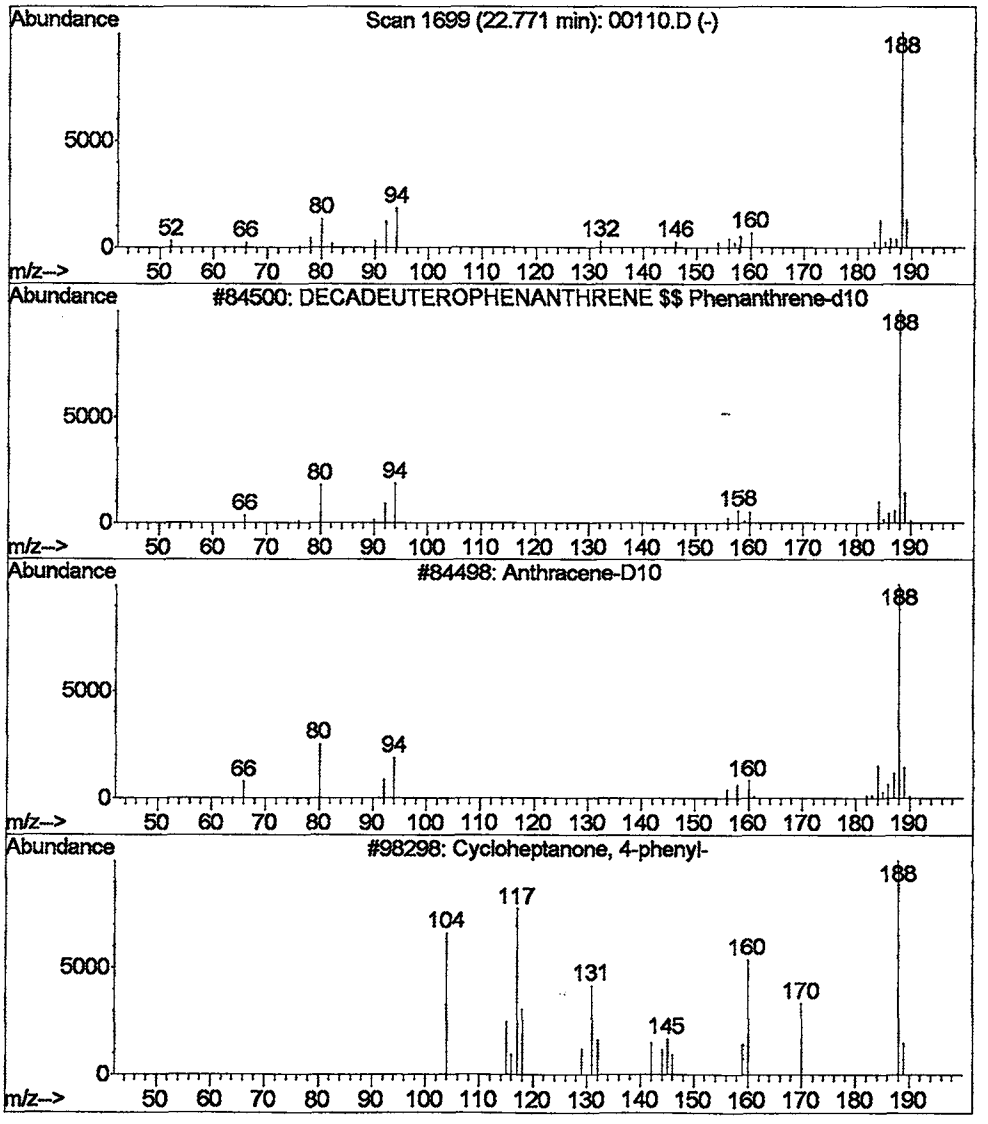
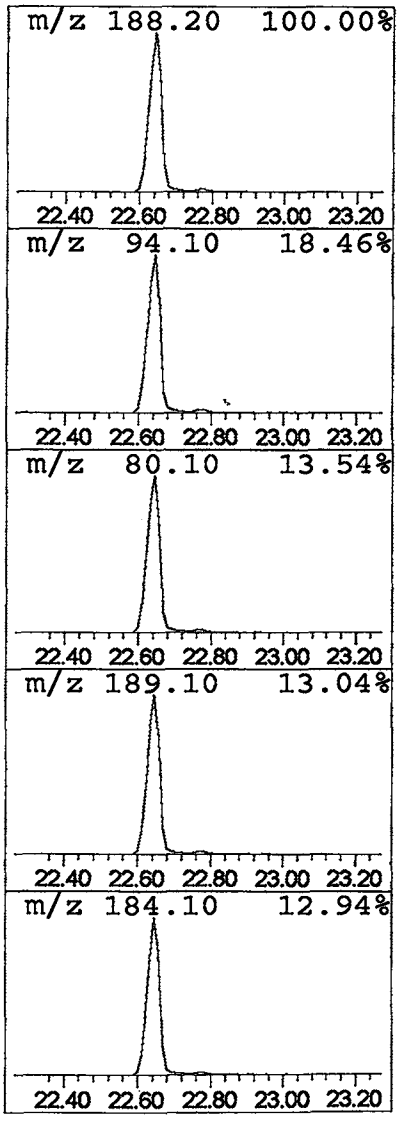
Peak Number 12 DECADEUTEROPHENANTHRENE $$ ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.77	0.34 ug/L	299651	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DECADEUTEROPHENANTHRENE $$ Phena...	188	C14D10	001517-22-2	95
2	Anthracene-D10	188	C14D10	000000-00-0	72
3	Cycloheptanone, 4-phenyl-	188	C13H16O	067688-28-2	47
4	Anthracene-d10-	188	C14D10	001719-06-8	38





Operator ID: Date Acquired: 4 Feb 2002 1:28 pm
Data File: C:\MSDCHEM\1\5973N\02FEB04\00110.D
Name: 508 scan
Misc: February 4, 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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Butanoic acid, me...	3.60	0.1	ug/L	45842	1	9.72	10593300	20.0
N,N'-Diacetylethy...	4.24	0.1	ug/L	61987	1	9.72	10593300	20.0
2-Buten-1-ol, 2-m...	4.62	0.1	ug/L	58156	1	9.72	10593300	20.0
2-Butenal, 3-meth...	4.83	0.2	ug/L	125028	1	9.72	10593300	20.0
Methyl 1-Methyl-2...	5.01	0.1	ug/L	47945	1	9.72	10593300	20.0
Butane, 2-methoxy...	5.88	2.8	ug/L	1479340	1	9.72	10593300	20.0
2-Propanol, 1-(2-...	9.54	0.2	ug/L	99246	1	9.72	10593300	20.0
2-Propanol, 1-(2-...	9.63	0.2	ug/L	110782	1	9.72	10593300	20.0
2-Propanol, 1-(2-...	9.84	0.4	ug/L	203371	1	9.72	10593300	20.0
4H-Pyran-4-one, 2...	16.55	0.1	ug/L	48732	3	18.34	16377100	20.0
1-METHOXY-.BETA.-...	22.28	0.2	ug/L	145678	4	22.65	17605800	20.0
DECADEUTEROPHENAN...	22.77	0.3	ug/L	299651	4	22.65	17605800	20.0