User: Vinci, David L
Westchester Dept. of Labs & Research
Date: 01/10/2002 Time: 16:54:03

Sample: AE00317
Analysis: $GCMS GCMS Scan For Unknowns
Units: ug
Started: 1/10/02 16:53 Ended: 1/10/02 16:53 Analyst: DLV
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Other unknown compounds		.		
2	Surr_2,4-DDD		118		5.0

Comments for Sample AE00317 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 16:56:06

The GCMS scan, from 35 to 550 amu, does reveal the presence of 9H-Carbazole at an estimated level of 0.13 ug/L and with a fit of 90 out of 100. This sample was collected January 4, 2002 from site 25280.

Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46:35 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 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	1177043	20.00	ug/L	0.00
10) Naphthalene-d8	13.19	136	4891720	20.00	ug/L	-0.02
17) Acenaphthene-d10	18.34	164	2463100	20.00	ug/L	-0.01
29) Phenanthrene-d10	22.65	188	4071657	20.00	ug/L	-0.02
38) Chrysene-d12	30.50	240	3744274	20.00	ug/L	-0.01
44) Perylene-d12	34.42	264	2791690	20.00	ug/L	0.00
System Monitoring Compounds						
37) 2,4-DDD	27.73	235	378539	5.88	ug/L	0.00
Spiked Amount 5.000			Recovery =	117.60%		
Target Compounds						Qvalue
2) n-Nitroso-dimethylamine	3.60	74	11526	0.23	ug/L #	12
3) bis (2-Chloroethyl) ether	9.05	93	11722	Below Cal	#	9
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-Chloropropa	0.00	45	0	N.D.		
8) n-Nitroso-di-n-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)methane	0.00	93	0	N.D.		
14) 1,2,4-Trichlorobenzene	0.00	180	0	N.D.		
15) Naphthalene	13.25	128	6011	0.03	ug/L #	69
16) Hexachlorobutadiene	0.00	225	0	N.D.		
18) Hexachlorocyclopentadiene	0.00	237	0	N.D.		
19) 2-Chloronaphthalene	0.00	162	0	N.D.		
20) Dimethylphthalate	18.34	163	397924	2.45	ug/L #	56
21) 2,6-Dinitrotoluene	18.34	165	319955	10.08	ug/L #	17
22) Acenaphthylene	0.00	152	0	N.D.		
23) Acenaphthene	0.00	153	0	N.D.		
24) 2,4-Dinitrotoluene	0.00	165	0	N.D.		
25) Diethylphthalate	20.00	149	25587	0.16	ug/L	90
26) 4-Chlorophenyl-phenylether	0.00	204	0	N.D.		
27) Fluorene	0.00	166	0	N.D.		
28) Azobenzene/1,2-Diphenylhyd	20.46	77	9015	0.05	ug/L	84
30) N-nitrosodiphenylamine	20.42	169	11204	0.11	ug/L	88
31) 4-Bromophenyl-phenylether	0.00	248	0	N.D.		
32) Hexachlorobenzene	0.00	284	0	N.D.		
33) Phenanthrene	22.69	178	33359	0.15	ug/L	99
34) Anthracene	22.82	178	27217	0.13	ug/L	98

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

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Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46:35 2002 Quant Results File: SCAN508.RES

Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration
DataAcq Meth : SCAN508

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	Di-n-butylphthalate	24.85	149	19573	0.07 ug/L	100
36)	Fluoranthene	26.21	202	29704	0.13 ug/L	86
39)	Pyrene	26.84	202	27027	0.09 ug/L #	90
40)	Butylbenzylphthalate	0.00	149	0	N.D.	
41)	Benzo(a)anthracene	30.50	228	12773	0.06 ug/L #	70
42)	Bis(2-ethylhexyl)phthalate	31.11	149	23605	0.68 ug/L	98
43)	Chrysene	30.50	228	12773	0.06 ug/L #	68
45)	Di-n-octylphthalate	0.00	149	0	N.D.	
46)	Benzo(b)fluoranthene	0.00	252	0	N.D.	
47)	Benzo(k)fluoranthene	0.00	252	0	N.D.	
48)	Benzo(a)pyrene	34.42	252	9926	0.05 ug/L #	1
49)	Indeno(1,2,3-cd)pyrene	0.00	276	0	N.D.	
50)	Dibenz(a,h)anthracene	0.00	278	0	N.D.	
51)	Benzo(g,h,i)perylene	0.00	276	0	N.D.	

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

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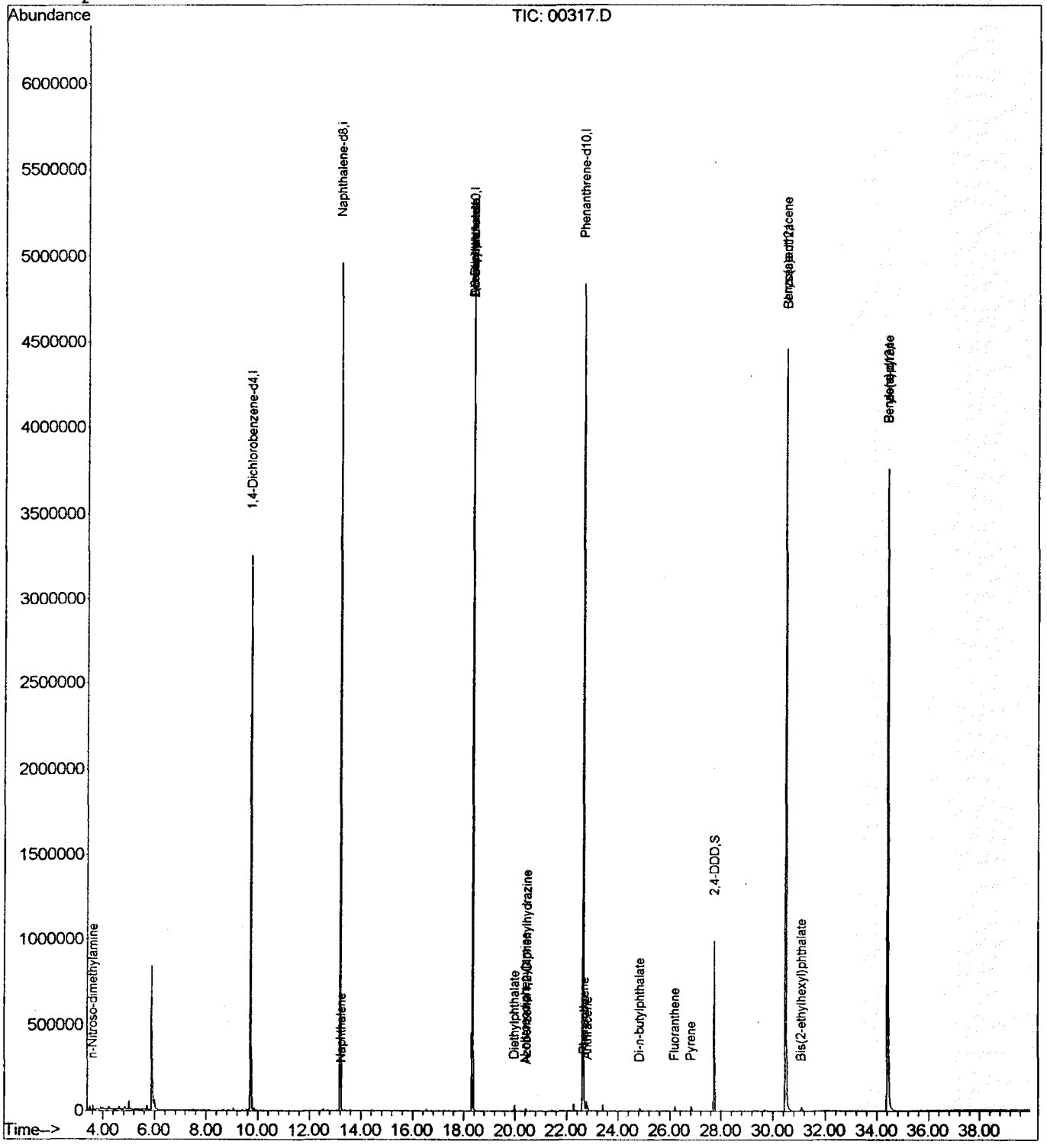
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: SPLIT.P
Quant Time: Jan 10 11:46 2002 Quant Results File: SCAN508.RE

Method : C:\MSDCHEM\1\METHODS\METHODS\SCAN508.M (RTE Integrator)
Title : 508 scan method
Last Update : Thu Jan 10 11:01:02 2002
Response via : Initial Calibration



Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 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

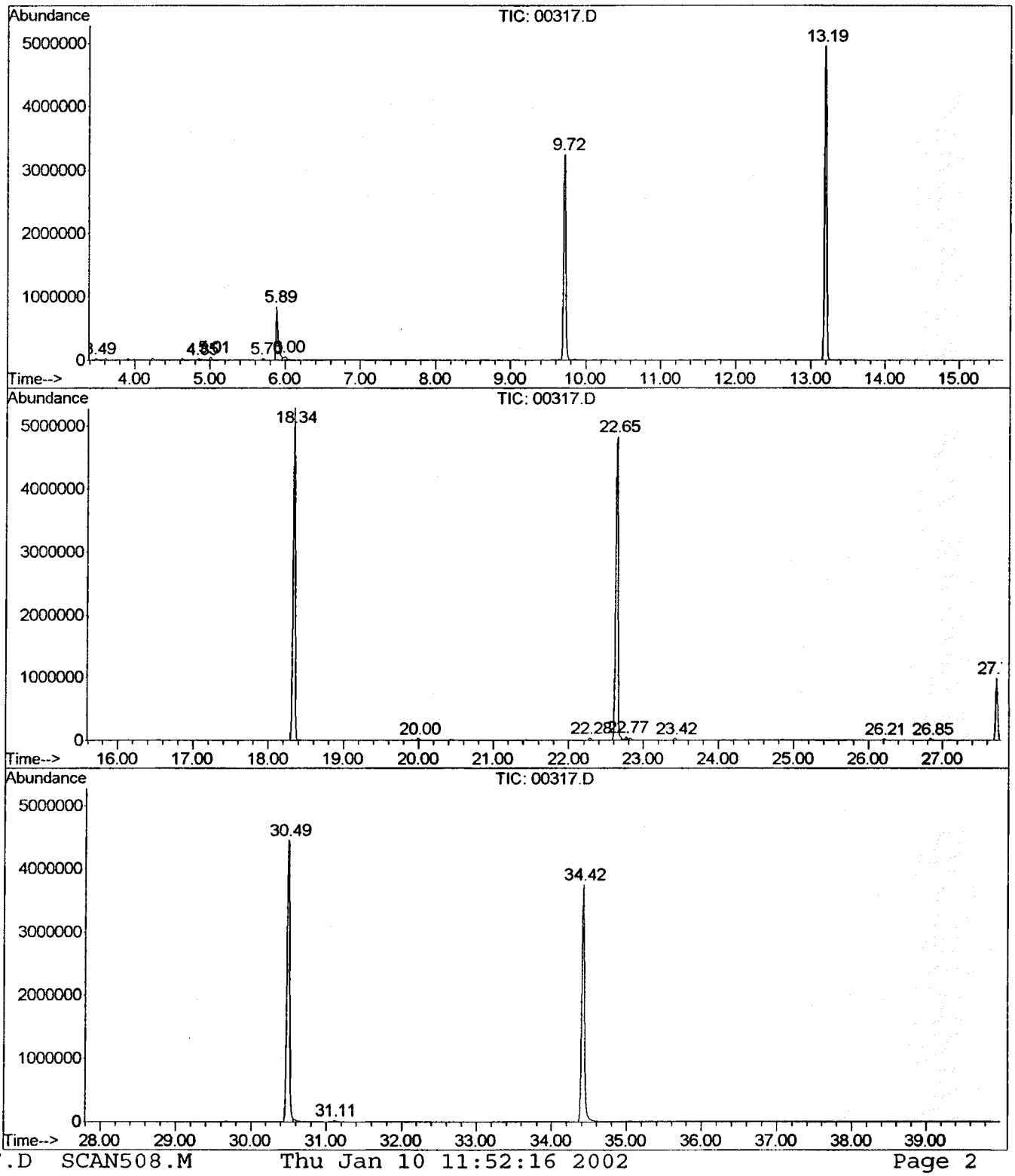
If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.488	7	10	19	rVB	26721	51145	0.47%	0.083%
2	4.846	125	129	139	rBV3	14998	52005	0.47%	0.084%
3	5.006	139	143	149	rVB	52407	90439	0.82%	0.147%
4	5.702	201	204	209	rBV	26992	51462	0.47%	0.083%
5	5.885	217	220	227	rBV	840820	1623686	14.78%	2.631%
6	5.999	227	230	245	rVB	59169	169713	1.55%	0.275%
7	9.721	551	556	561	rVV	3255955	6653906	60.58%	10.780%
8	13.192	855	860	865	rBV	4960644	9393454	85.52%	15.218%
9	18.341	1305	1311	1315	rBV	5285483	10055139	91.55%	16.291%
10	19.996	1451	1456	1467	rVB2	37274	85953	0.78%	0.139%
11	22.280	1651	1656	1661	rBV	42182	76371	0.70%	0.124%
12	22.645	1681	1688	1693	rBV2	4838350	10811766	98.44%	17.516%
13	22.771	1695	1699	1701	rVB	45396	68819	0.63%	0.111%
14	23.422	1751	1756	1761	rBV	35278	70576	0.64%	0.114%
15	26.207	1997	2000	2005	rVB	27467	54878	0.50%	0.089%
16	26.847	2051	2056	2061	rVB	26552	56029	0.51%	0.091%
17	27.726	2129	2133	2139	rVB	993434	1793118	16.33%	2.905%
18	30.489	2369	2375	2381	rBV	4460974	10983322	100.00%	17.794%
19	31.105	2425	2429	2443	rVB2	24143	82394	0.75%	0.133%
20	34.416	2713	2719	2745	rVV	3754556	9499755	86.49%	15.391%

Sum of corrected areas: 61723930

File : C:\MSDCHEM\1\5973N\02JAN10\00317.D
Operator :
Acquired : 10 Jan 2002 10:57 am using AcqMethod SCAN508
Instrument : Instrumen
Sample Name: 508 scan ext 1/7
Misc Info : January 10, 2002
Vial Number: 4
Quant File :SCAN508.RES (RTE Integrator)



Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

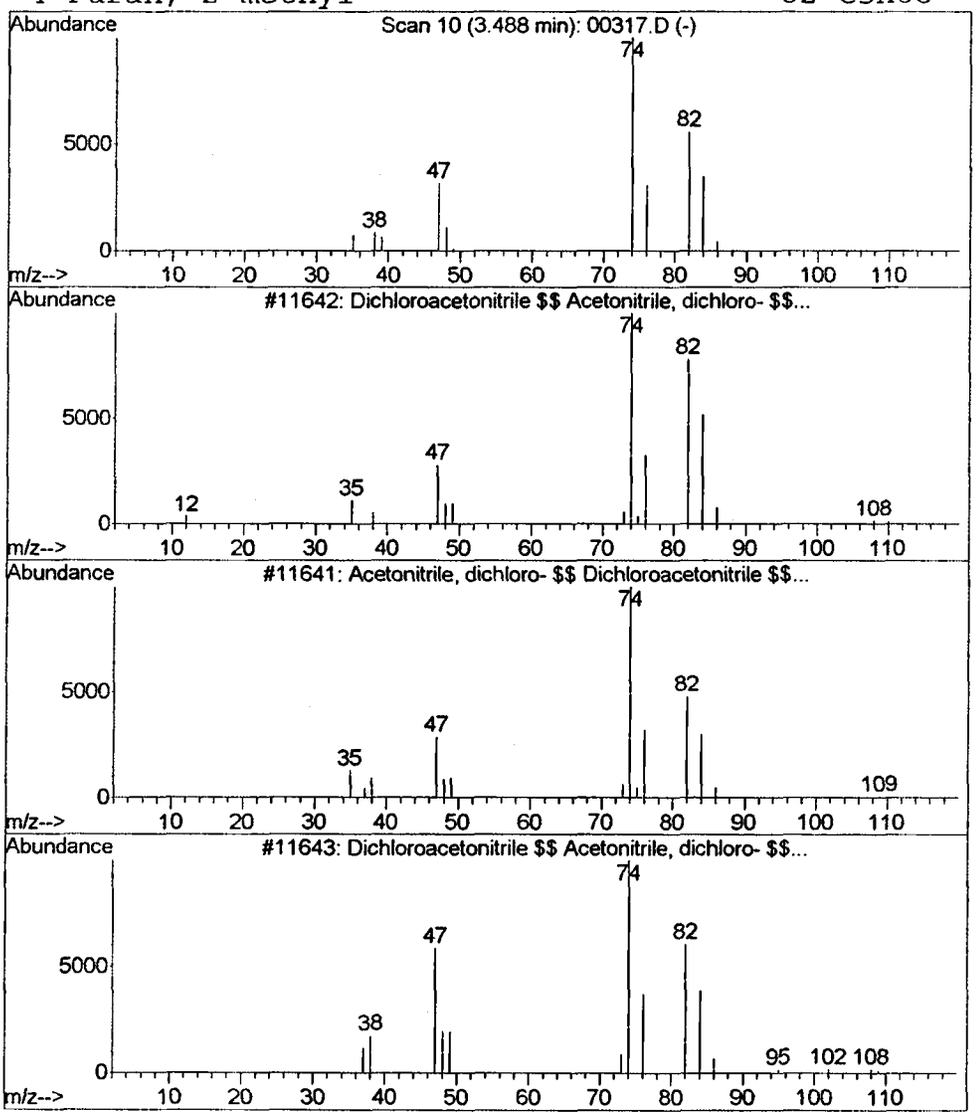
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

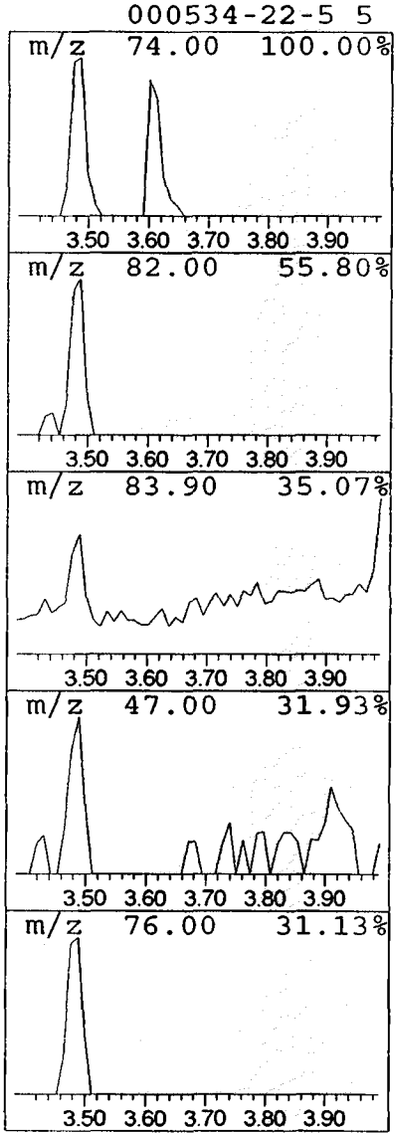
****

Peak Number 1 Dichloroacetonitrile $$ Ace... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.49	0.15 ug/L	51145	1,4-Dichlorobenzene-d4	9.72

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	74
3	Dichloroacetonitrile $$ Acetonit...	109	C2HCl2N	003018-12-0	38
4	Furan, 2-methyl-	82	C5H6O	000534-22-5	5





Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 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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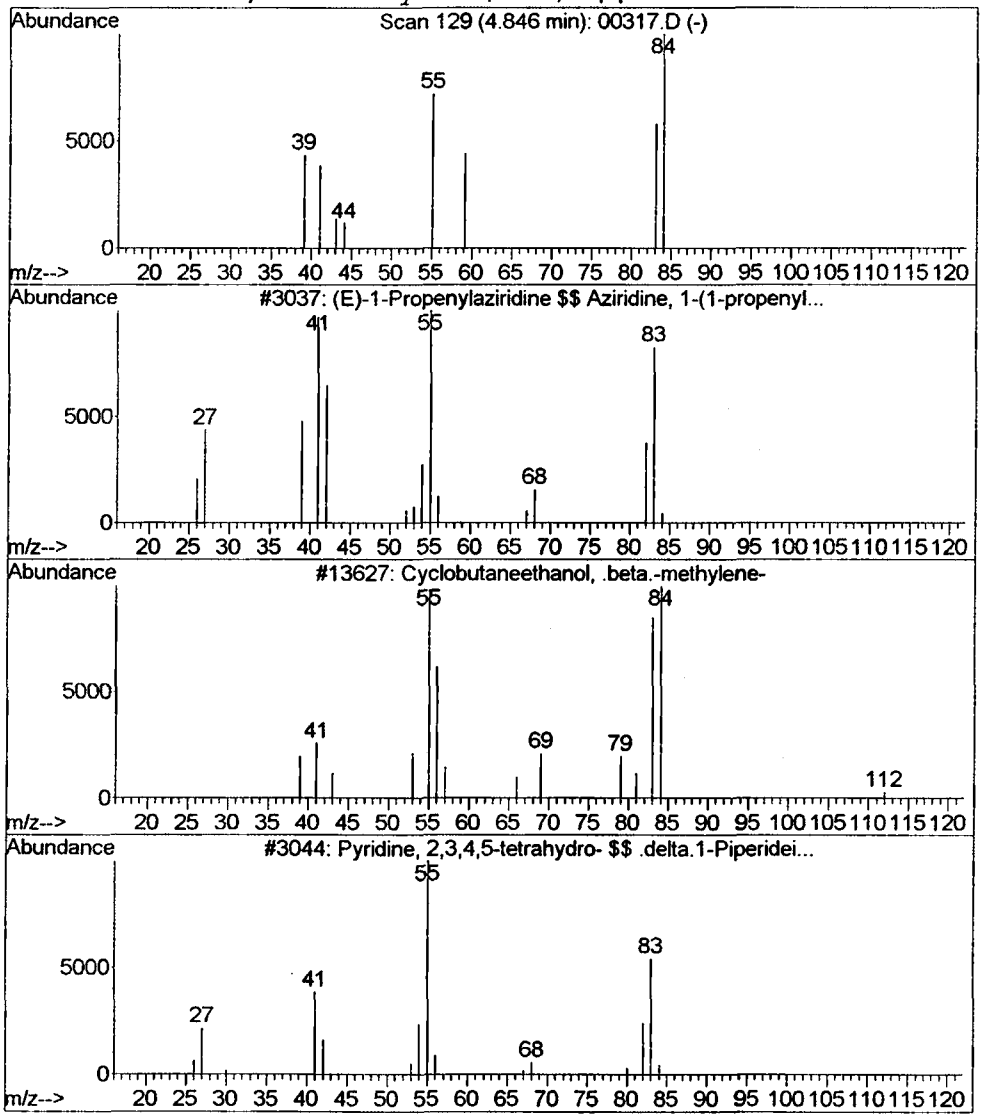
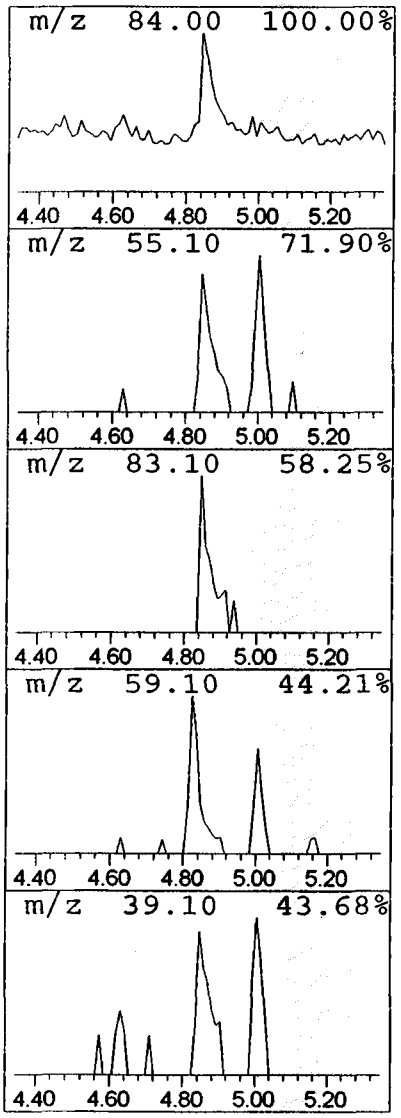
Peak Number 2 (E)-1-Propenylaziridine $$ ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.16 ug/L	52005	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Propenylaziridine $$ Aziri...	83	C5H9N	080839-91-4	9
2	Cyclobutaneethanol, .beta.-methy...	112	C7H12O	116203-80-6	9
3	Pyridine, 2,3,4,5-tetrahydro- $$...	83	C5H9N	000505-18-0	7
4	2-Butenal, 2-methyl- (CAS) $$ 2-...	84	C5H8O	001115-11-3	5





Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 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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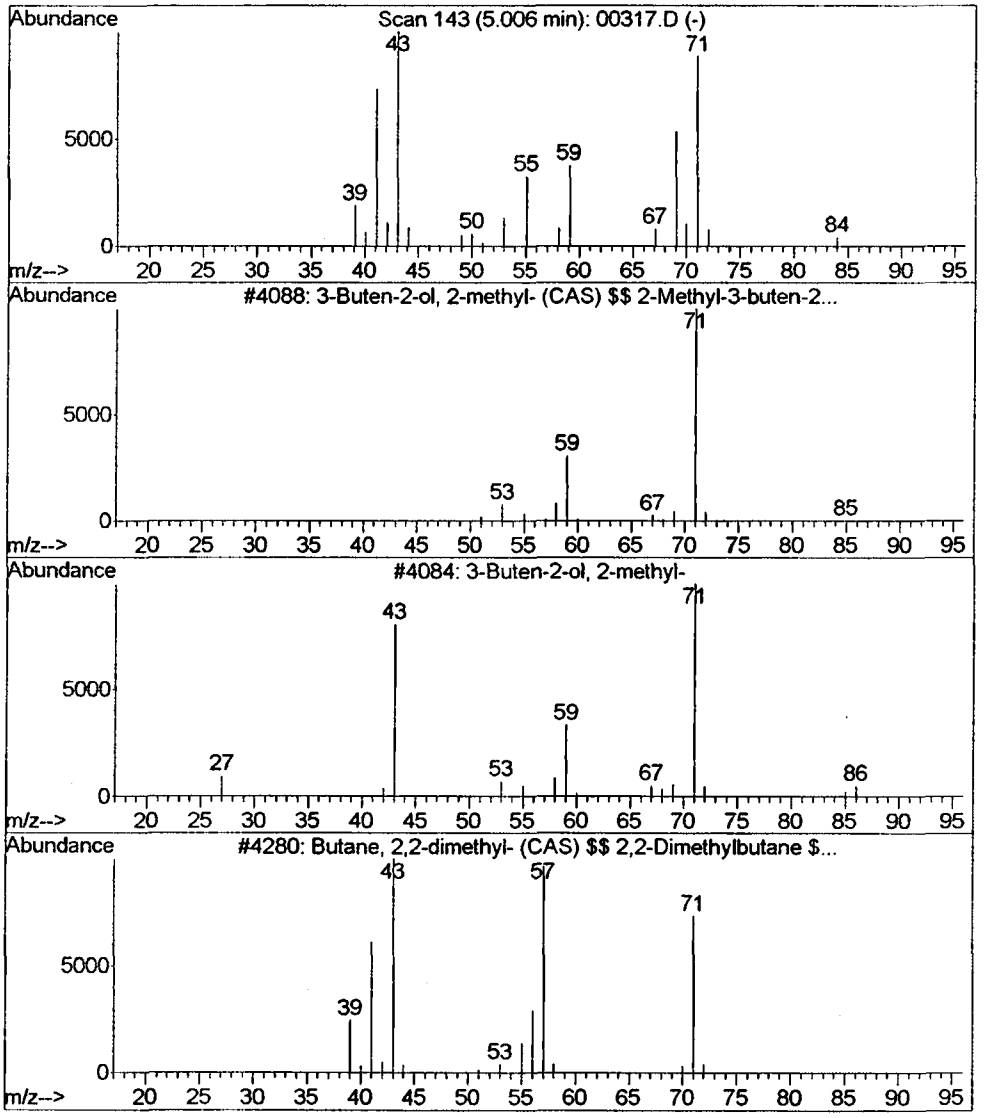
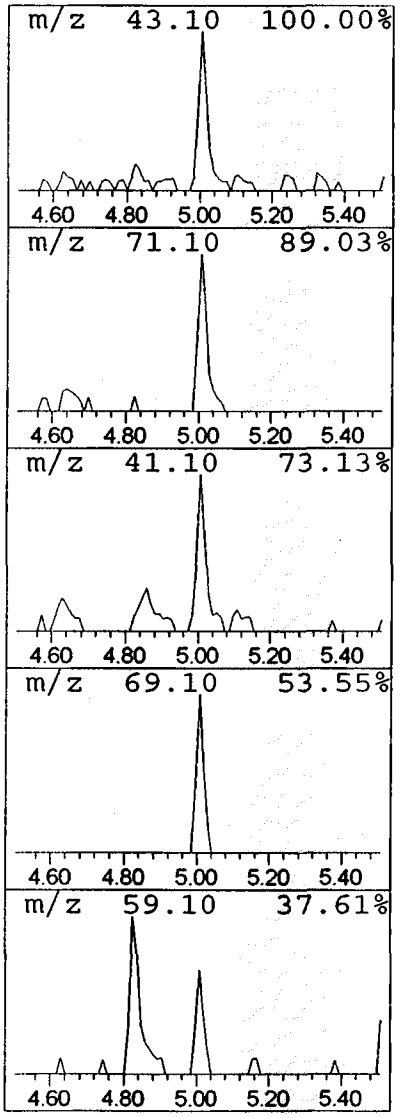
Peak Number 3 3-Buten-2-ol, 2-methyl- (CA... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	0.27 ug/L	90439	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl- (CAS) $$...	86	C5H10O	000115-18-4	72
2	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	64
3	Butane, 2,2-dimethyl- (CAS) $$ 2...	86	C6H14	000075-83-2	53
4	2-METHYLBUT-3-EN-2-OL	86	C5H10O	000000-00-0	50





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Acq On : 10 Jan 2002 10:57 am Operator:
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Misc : January 10, 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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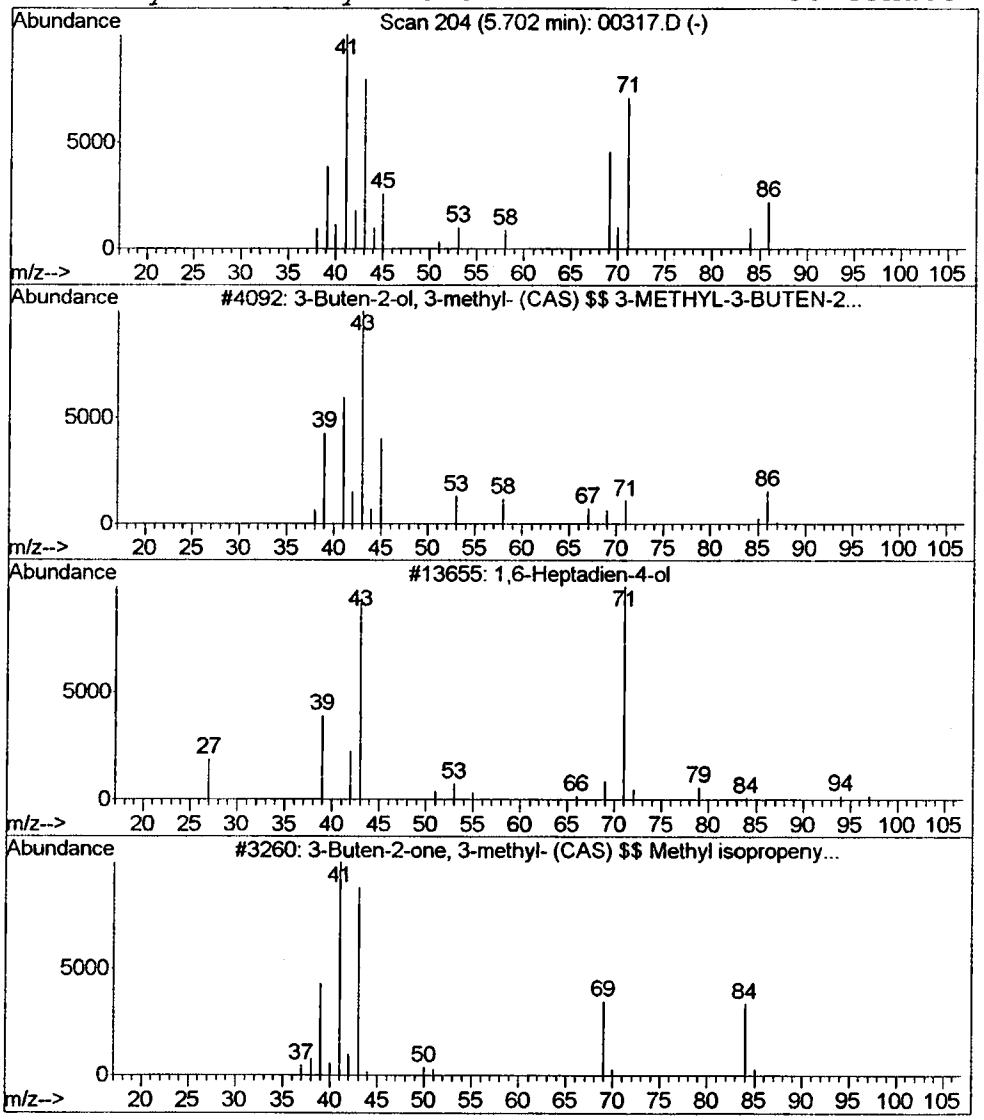
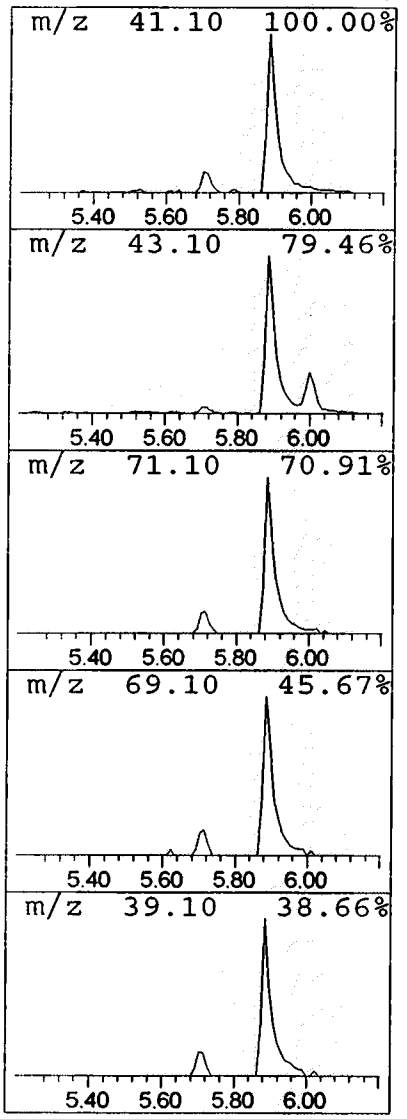
Peak Number 4 3-Buten-2-ol, 3-methyl- (CA... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.70	0.15 ug/L	51462	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 3-methyl- (CAS) $$...	86	C5H10O	010473-14-0	47
2	1,6-Heptadien-4-ol	112	C7H12O	002883-45-6	38
3	3-Buten-2-one, 3-methyl- (CAS) $...	84	C5H8O	000814-78-8	35
4	Methyl 2-Butenyl Ether	86	C5H10O	000000-00-0	35





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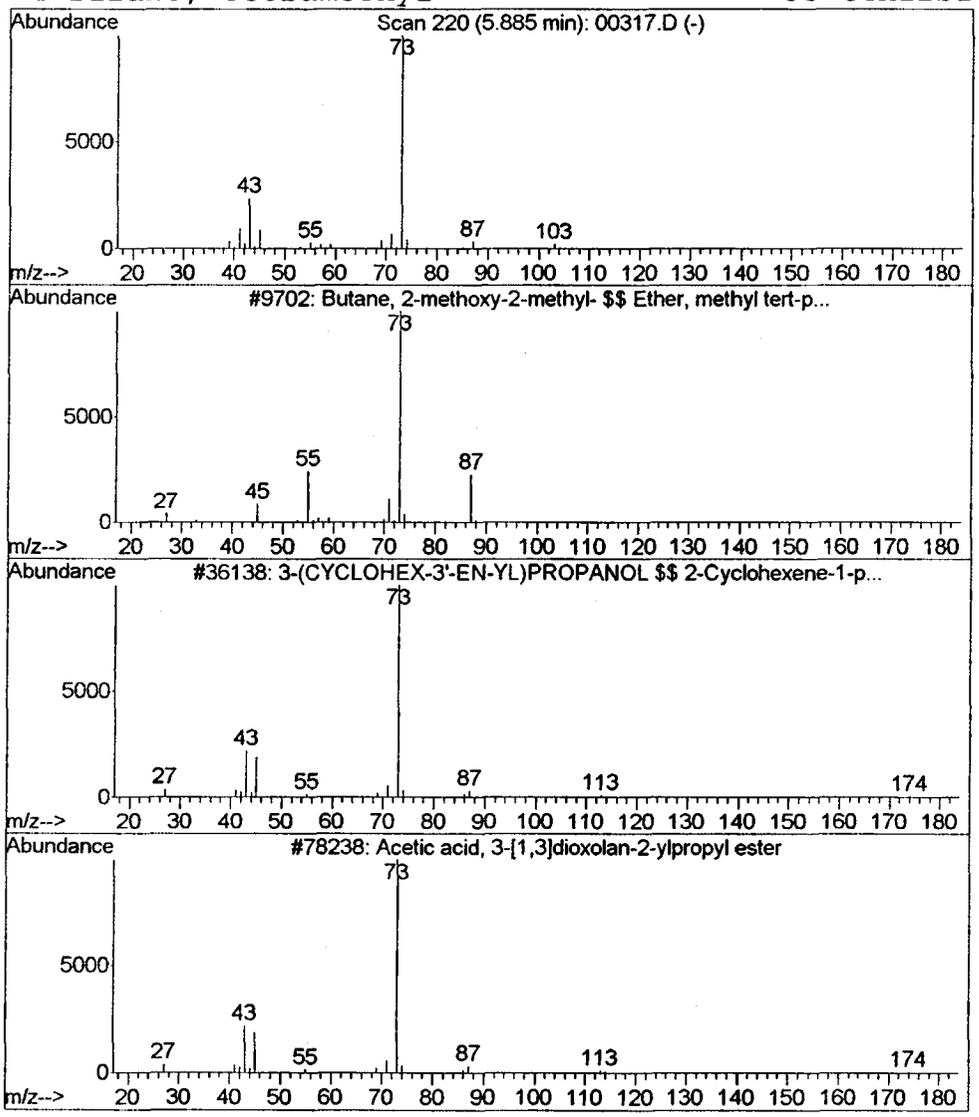
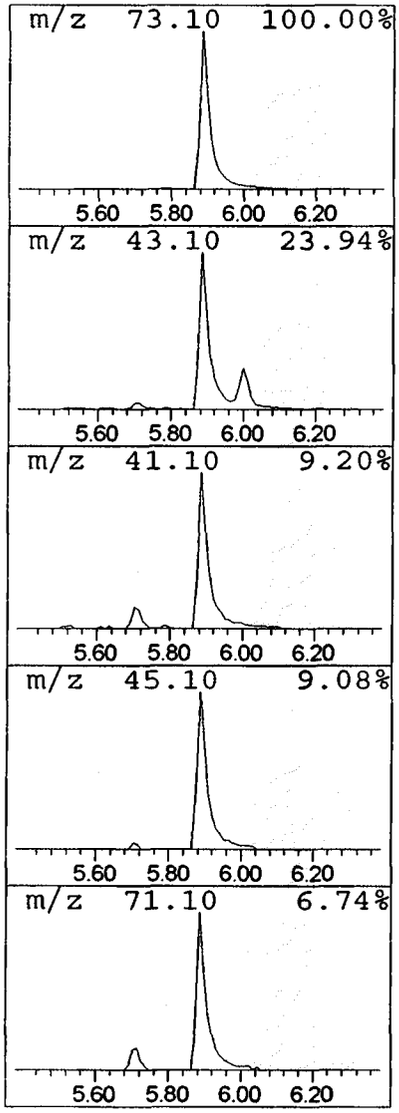
****

Peak Number 5 Butane, 2-methoxy-2-methyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	4.88 ug/L	1623690	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl- $$ E...	102	C6H14O	000994-05-8	36
2	3-(CYCLOHEX-3'-EN-YL)PROPANOL $$...	174	C8H14O4	015745-87-6	33
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	000000-00-0	33
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25





Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

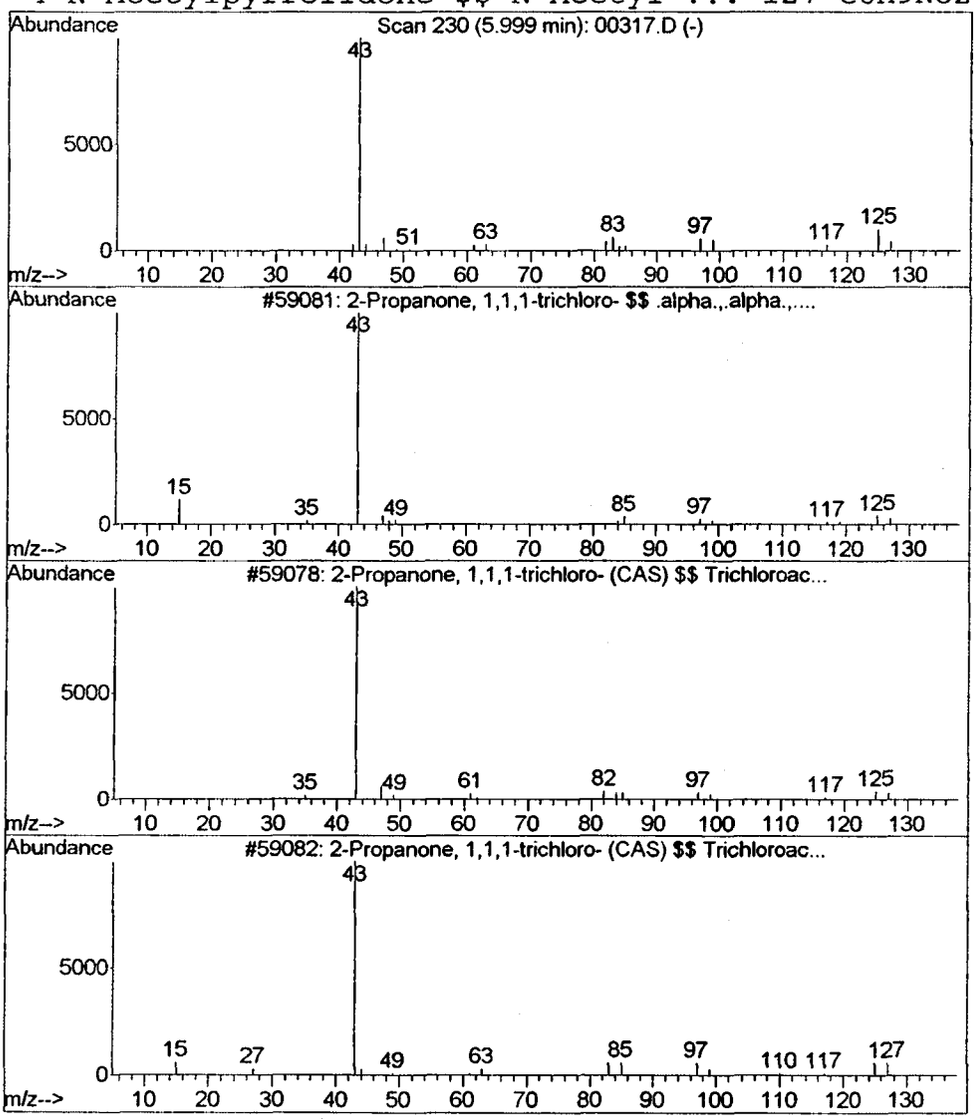
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

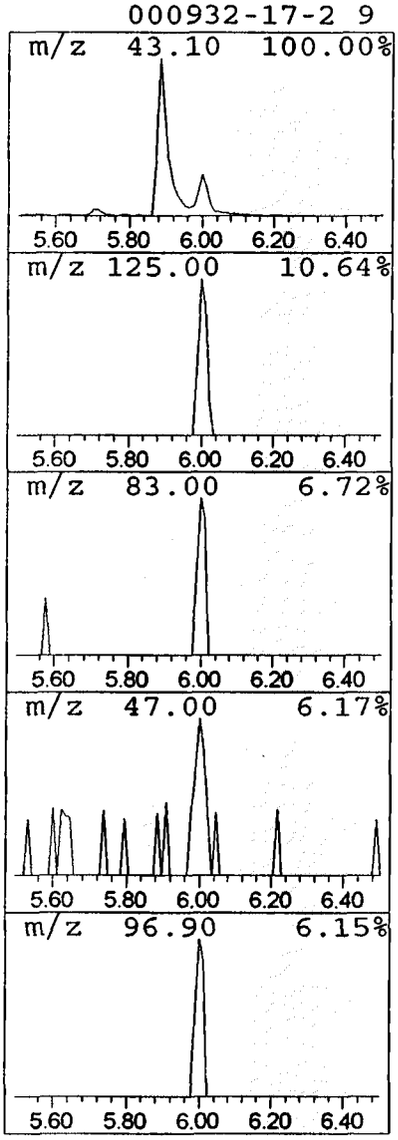
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	0.51 ug/L	169713	1,4-Dichlorobenzene-d4	9.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1,1-trichloro- $$...	160	C3H3Cl3O	000918-00-3	56
2	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	45
3	2-Propanone, 1,1,1-trichloro- (C...	160	C3H3Cl3O	000918-00-3	25
4	N-Acetylpyrrolidone $$ N-Acetyl-...	127	C6H9NO2	000932-17-2	9





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Acq On : 10 Jan 2002 10:57 am Operator:
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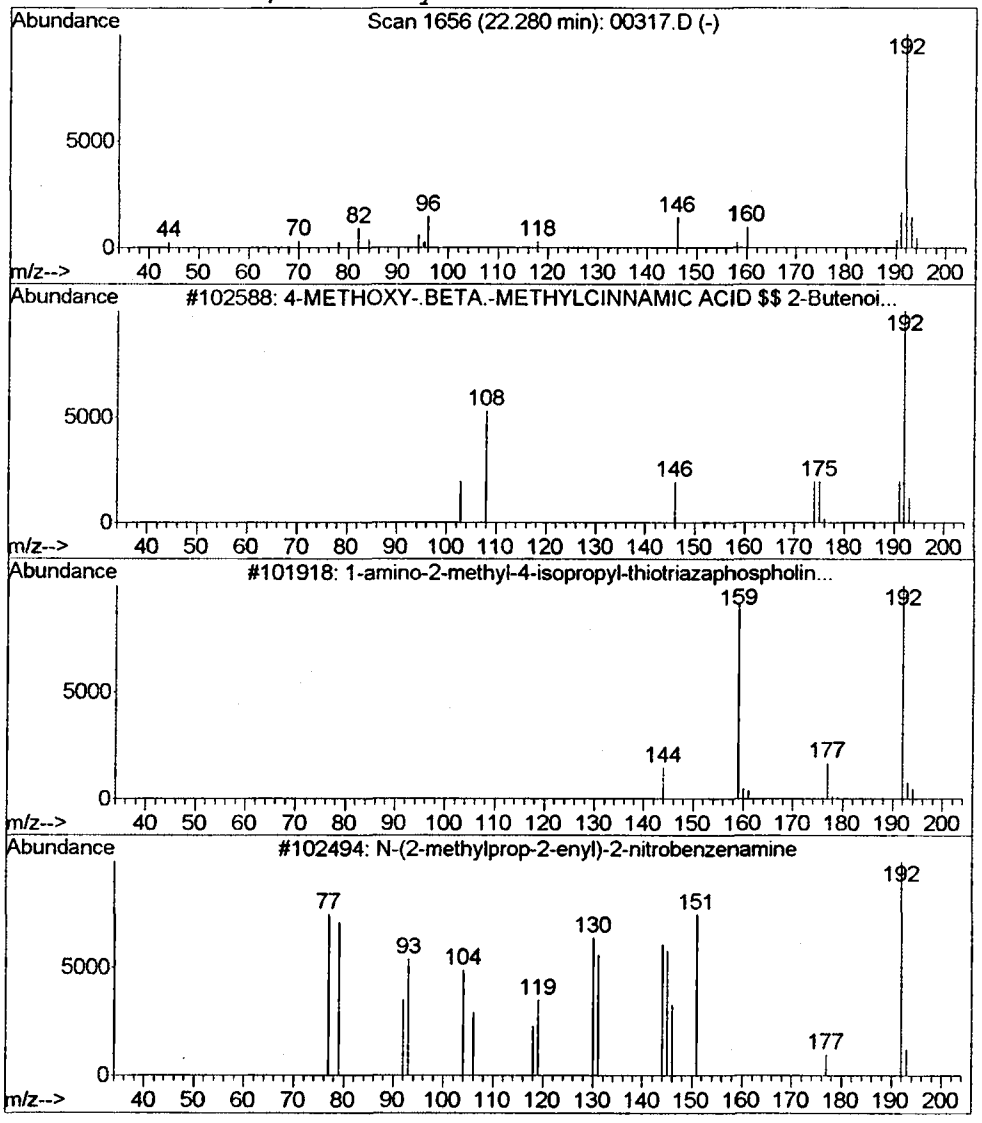
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

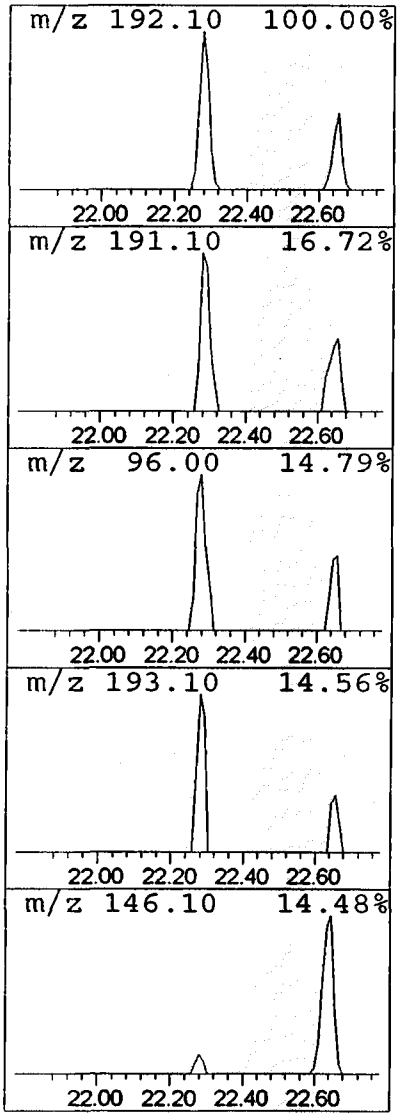
****

Peak Number 7 4-METHOXY-.BETA.-METHYLCINN... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.28	0.14 ug/L	76371	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	1-amino-2-methyl-4-isopropyl-thi...	192	C5H13N4PS	107264-54-0	50
3	N-(2-methylprop-2-enyl)-2-nitrob...	192	C10H12N2O2	000000-00-0	49
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	45





Data File : C:\MSDCHEM\1\5973N\02JAN10\00317.D Vial: 4
Acq On : 10 Jan 2002 10:57 am Operator:
Sample : 508 scan ext 1/7 Inst : Instrumen
Misc : January 10, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

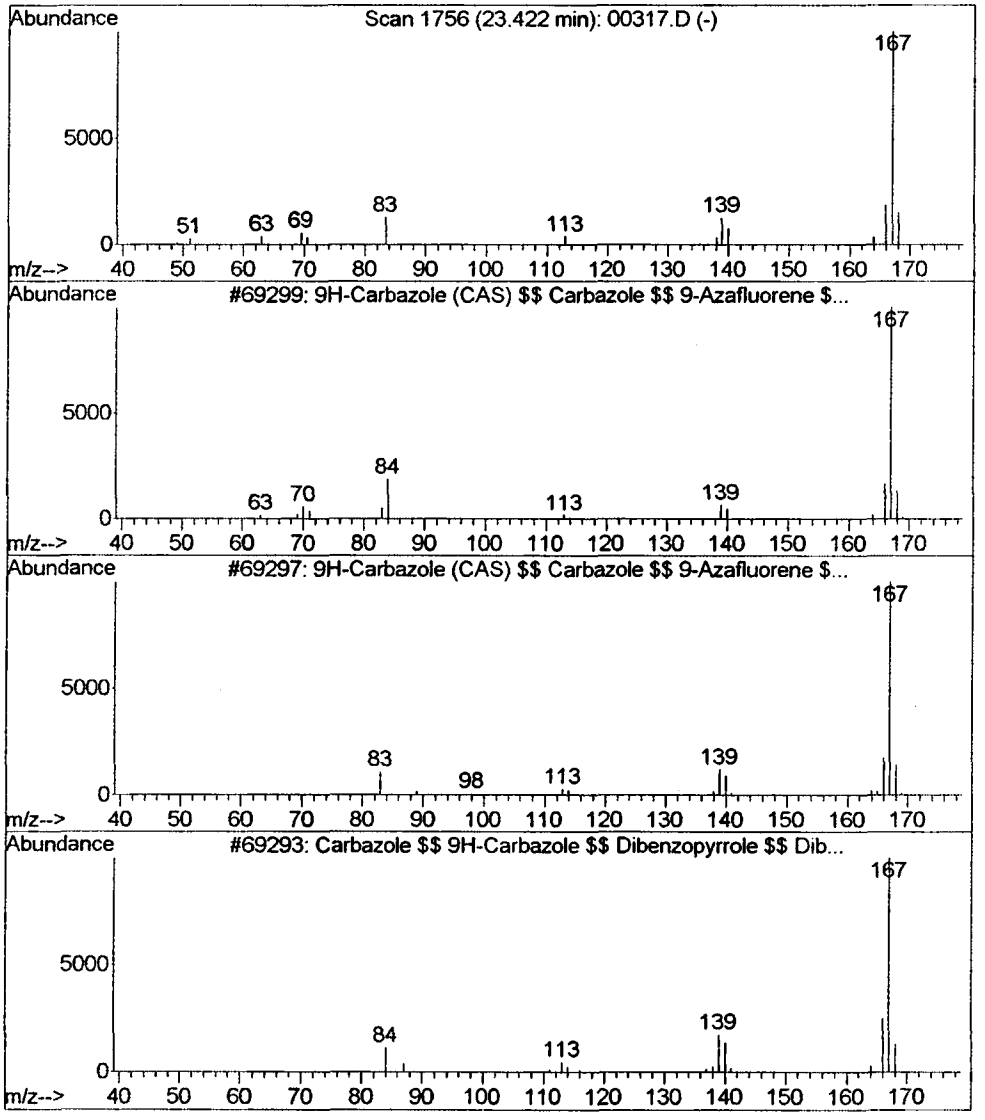
Quant Method : C:\MSDCHEM\1...\SCAN508.M (RTE Integrator)
Title : 508 scan method
Library : C:\DATABASE\WILEY7N.L

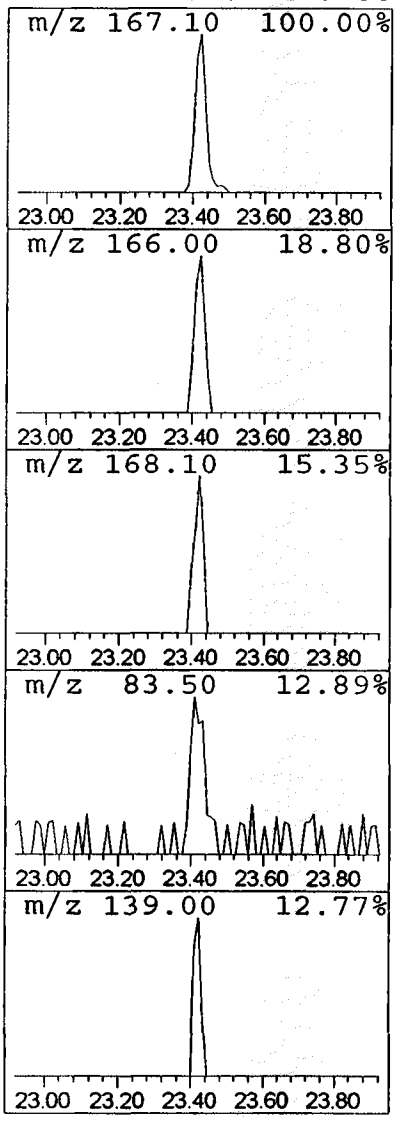
****

Peak Number 8 9H-Carbazole (CAS) $$ Carba... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	0.13 ug/L	70576	Phenanthrene-d10	22.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	90
2	9H-Carbazole (CAS) $$ Carbazole ...	167	C12H9N	000086-74-8	90
3	~~Carbazole $$~~ 9H-Carbazole $$ Dib...	167	C12H9N	000086-74-8	86
4	Carbazole	167	C12H9N	000086-74-8	86





Operator ID: Date Acquired: 10 Jan 2002 10:57 am
Data File: C:\MSDCHEM\1\5973N\02JAN10\00317.D
Name: 508 scan ext 1/7
Misc: January 10, 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
Dichloroacetonitr...	3.49	0.2	ug/L	51145	1	9.72	6653910	20.0
(E)-1-Propenylazi...	4.85	0.2	ug/L	52005	1	9.72	6653910	20.0
3-Buten-2-ol, 2-m...	5.01	0.3	ug/L	90439	1	9.72	6653910	20.0
3-Buten-2-ol, 3-m...	5.70	0.2	ug/L	51462	1	9.72	6653910	20.0
Butane, 2-methoxy...	5.89	4.9	ug/L	1623690	1	9.72	6653910	20.0
2-Propanone, 1,1,...	6.00	0.5	ug/L	169713	1	9.72	6653910	20.0
4-METHOXY-.BETA.-...	22.28	0.1	ug/L	76371	4	22.65	10811800	20.0
9H-Carbazole (CAS...	23.42	0.1	ug/L	70576	4	22.65	10811800	20.0

Comments for Sample AE00317 - Analysis $GCMS

Westchester Dept. of Labs & Research
User: Vinci, David L
Date: 01-10-2002 Time: 17:25:37

The GCMS scan, from 35 to 550 amu, does reveal the presence of 9H-Carbazole at an estimated level of 0.13 ug/L and with a fit of 90 out of 100. This sample was collected January 4, 2002 from site 25280. The recoveries for 10 of the 43 compounds in the LCS Standard were above their acceptance ranges.