

Data File : H:\VOL1\GCMSDATA\J\120627\BJ000961.D
 Acq On : 27 Jun 2012 14:50
 Sample : PB63956BSD
 Misc : WATER BNA J HLM
 MS Integration Params: rteint.p
 Quant Time: Jun 28 10:46 2012

Vial: 5
 Operator: HLM
 Inst : BNA J
 Multiplr: 1.00

Quant Results File: BJ060812.RES

Quant Method : H:\VOL1\GCMSDATA\J\METHODS\BJ060812.M (RTE Integrator)
 Title : CWA degradation products by GCMS
 Last Update : Thu Jun 28 10:45:59 2012
 Response via : Initial Calibration
 DataAcq Meth : CWAJ

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.68	152	206436	2.00	ug/mL	0.00
6) Naphthalene-d8	5.98	136	849867	2.00	ug/mL	0.00

System Monitoring Compounds

10) Tripropylphosphate	7.02	99	167025	0.50	ug/mL	0.00
Spiked Amount	0.500	Range	70 - 130	Recovery	=	100.00%
12) 2-Bromothioanisole	7.27	204	273837	4.72	ug/mL	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dimethyl Disulfide	2.68	94	11471	0.16	ug/mL#	84
3) DMMP	3.56	79	129815	1.69	ug/mL	97
4) DIMP	4.94	97	714907	4.05	ug/mL#	82
5) 1,4-Oxathiane	3.70	46	360562	5.23	ug/mL	88
7) 1,4-Dithiane	5.12	46	284308	4.70	ug/mL#	79
8) Thiodiglycol	5.89	61	1656647	32.79	ug/mL	99
9) Benzothiazole	6.26	135	2175181	9.32	ug/mL	98
11) p-Chlorophenylmethyldisulfide	6.52	158	1286780	8.78	ug/mL	96
13) p-Chlorophenylmethyldisulfox	7.94	159	879636	10.09	ug/mL	98
14) p-Chlorophenylmethyldisulfon	8.14	111	1051994	8.51	ug/mL	96

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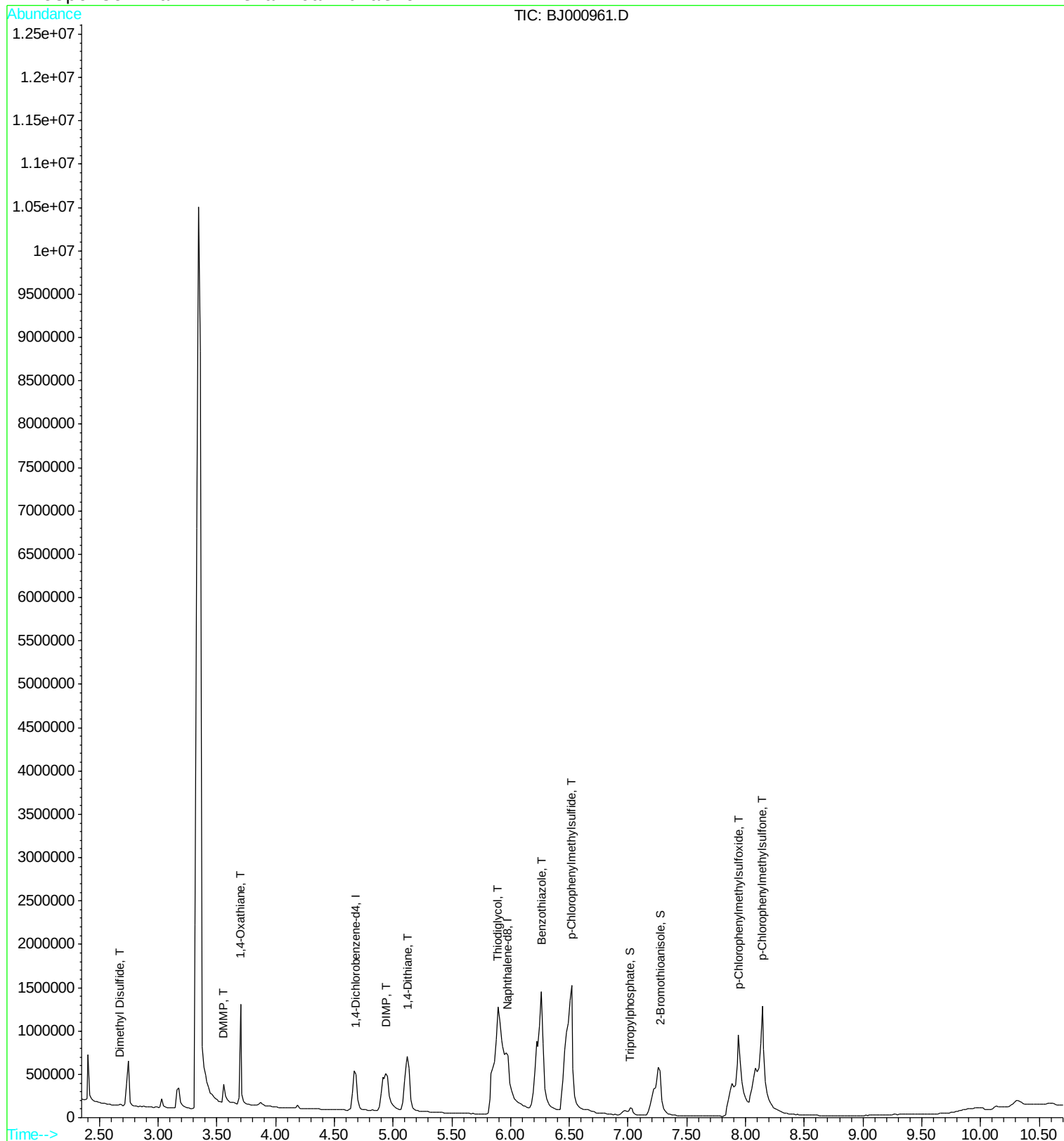
Quant Results File: BJ060812.RES

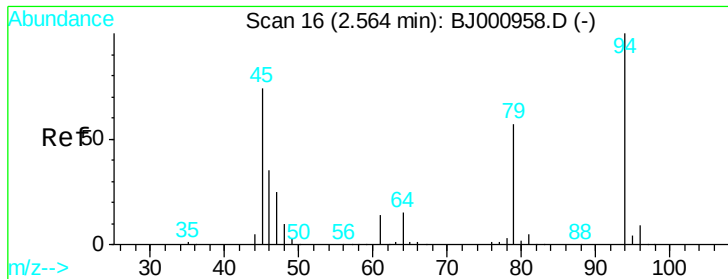
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#2

Dimethyl Disulfide

Concen: 0.16 ug/mL

RT: 2.68 min Scan# 24

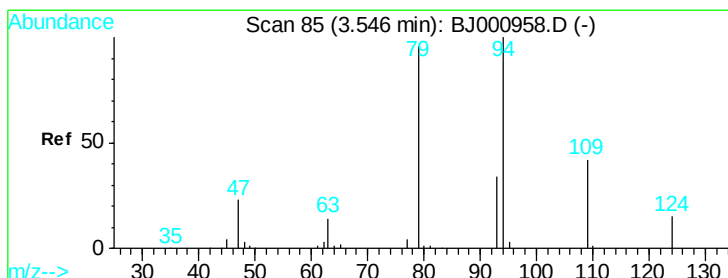
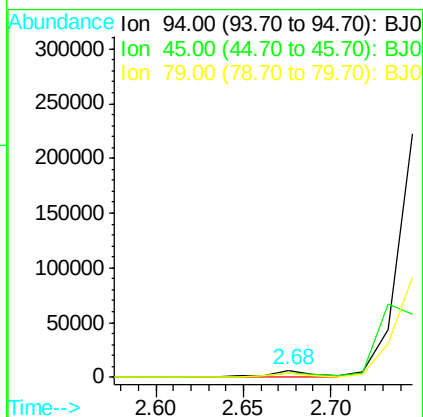
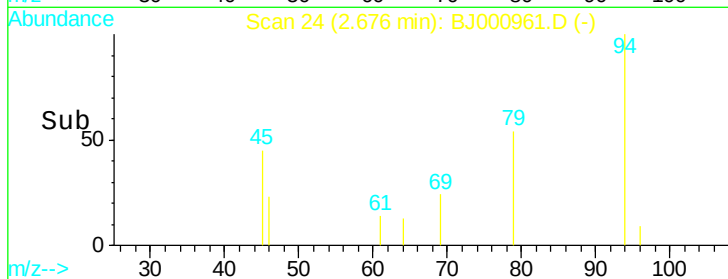
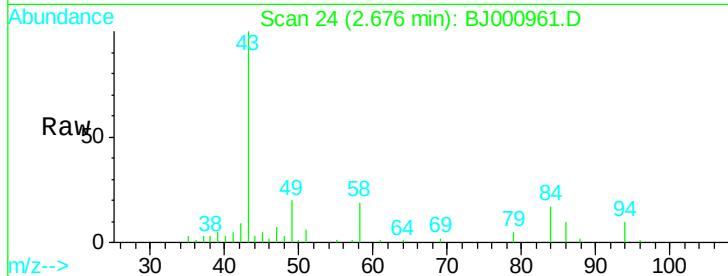
Delta R.T. 0.11 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion: 94 Resp: 11471

Ion	Ratio	Lower	Upper
94	100		
45	54.6	55.3	95.3#
79	54.2	37.3	77.3



#3

DMMP

Concen: 1.69 ug/mL

RT: 3.56 min Scan# 86

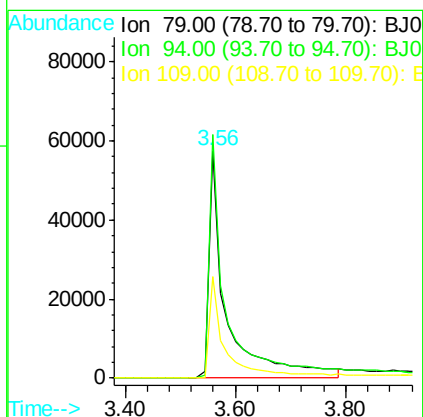
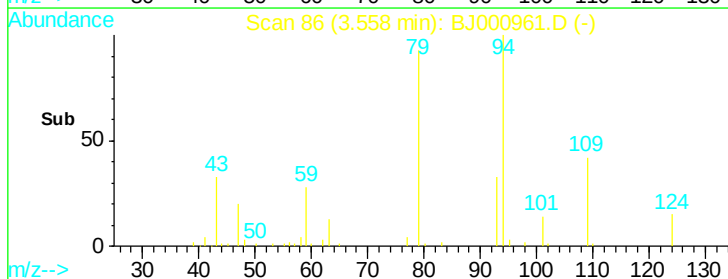
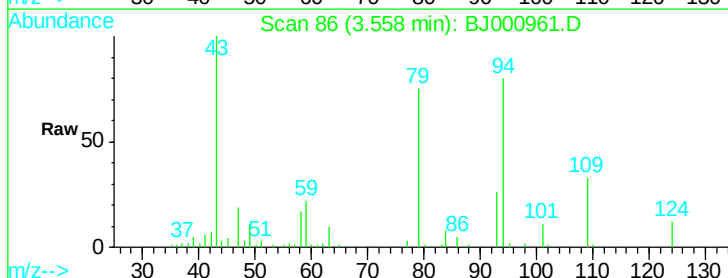
Delta R.T. 0.01 min

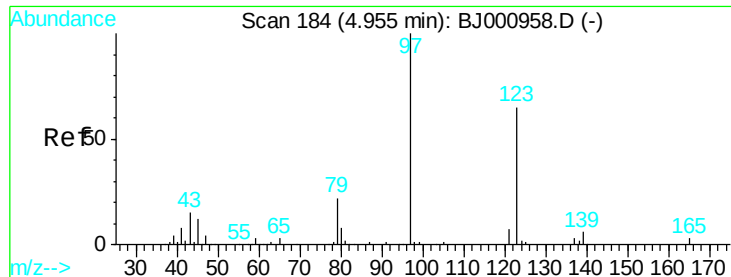
Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion: 79 Resp: 129815

Ion	Ratio	Lower	Upper
79	100		
94	107.3	84.5	124.5
109	44.8	23.4	63.4





#4

DIMP

Concen: 4.05 ug/mL

RT: 4.94 min Scan# 183

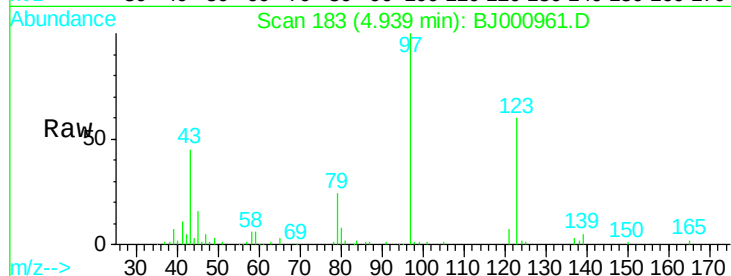
Delta R.T. -0.02 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion: 97 Resp: 714907

Ion	Ratio	Lower	Upper
97	100		
123	59.8	45.3	85.3
43	44.8	0.0	35.5
41	10.9	0.0	27.9



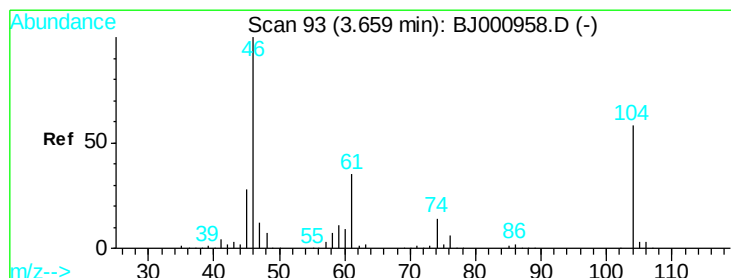
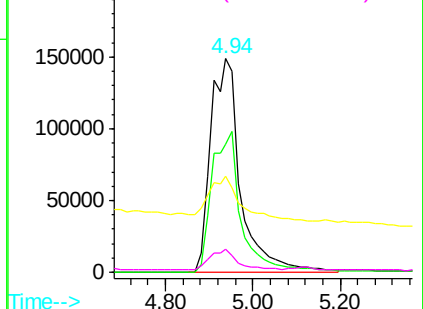
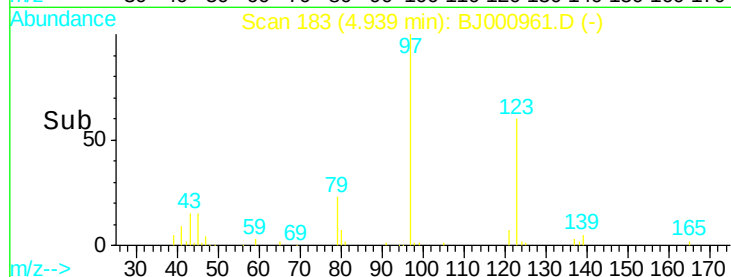
Abundance

Ion 97.00 (96.70 to 97.70): BJ0

Ion 123.00 (122.70 to 123.70): BJ0

Ion 43.00 (42.70 to 43.70): BJ0

Ion 41.00 (40.70 to 41.70): BJ0



#5

1,4-Oxathiane

Concen: 5.23 ug/mL

RT: 3.70 min Scan# 96

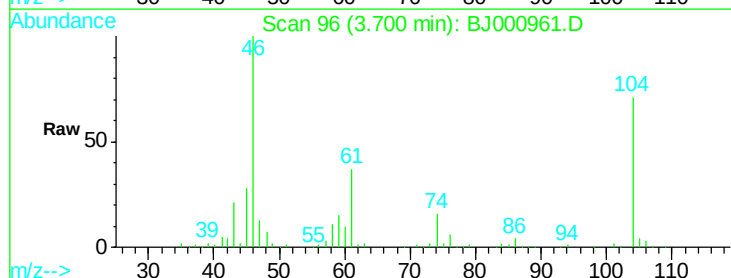
Delta R.T. 0.04 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion: 46 Resp: 360562

Ion	Ratio	Lower	Upper
46	100		
61	36.9	15.3	55.3
104	71.0	38.4	78.4

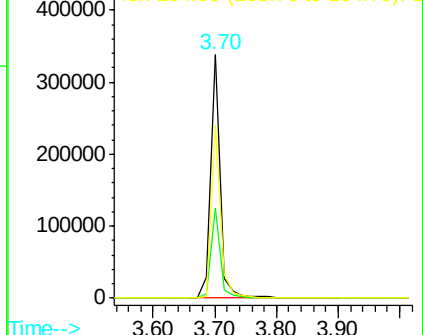
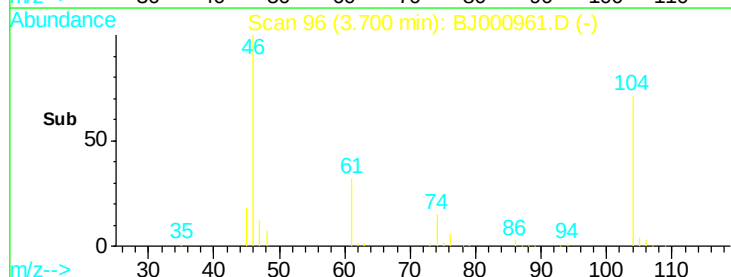


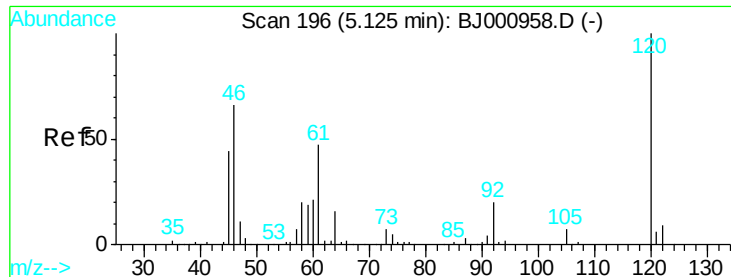
Abundance

Ion 46.00 (45.70 to 46.70): BJ0

Ion 61.00 (60.70 to 61.70): BJ0

Ion 104.00 (103.70 to 104.70): BJ0





#7

1,4-Dithiane

Concen: 4.70 ug/mL

RT: 5.12 min Scan# 196

Delta R.T. -0.00 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

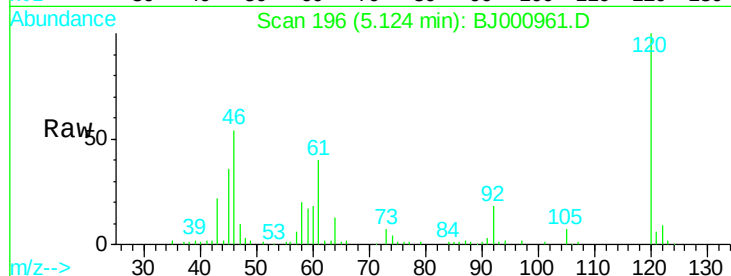
Tgt Ion: 46 Resp: 284308

Ion Ratio Lower Upper

46 100

61 75.3 50.6 90.6

120 186.4 131.1 171.1#

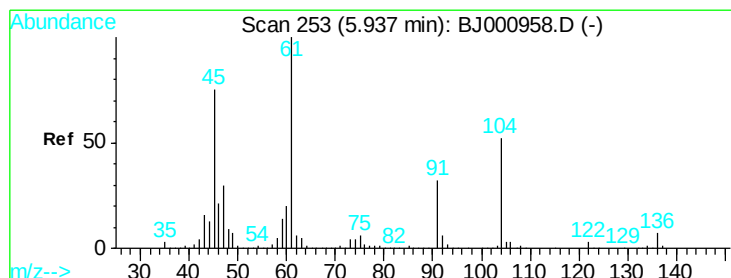
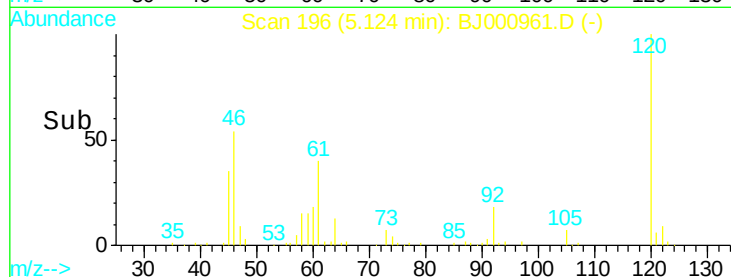
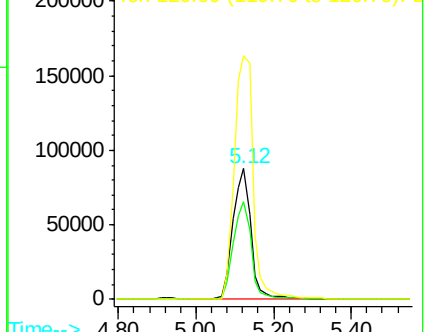


Abundance

Ion 46.00 (45.70 to 46.70): BJ0

Ion 61.00 (60.70 to 61.70): BJ0

Ion 120.00 (119.70 to 120.70): BJ0



#8

Thiodiglycol

Concen: 32.79 ug/mL

RT: 5.89 min Scan# 250

Delta R.T. -0.04 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

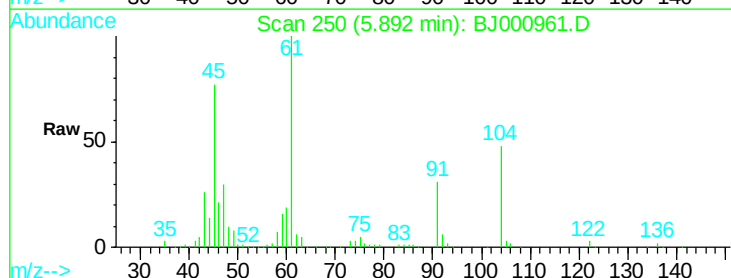
Tgt Ion: 61 Resp: 1656647

Ion Ratio Lower Upper

61 100

45 76.9 55.5 95.5

47 30.4 10.4 50.4

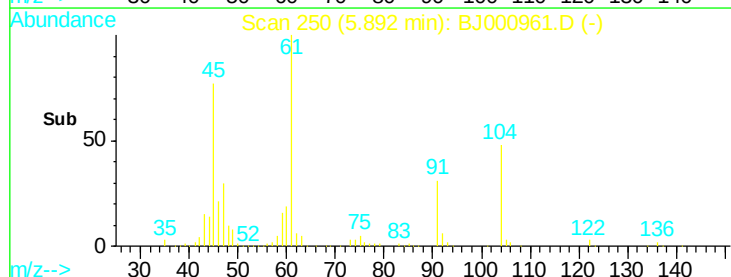
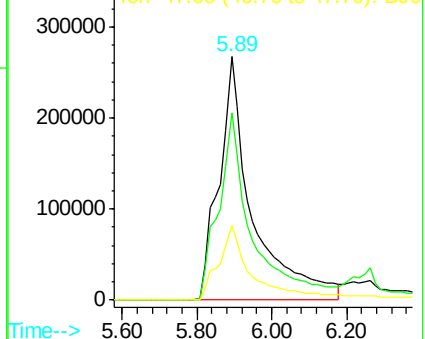


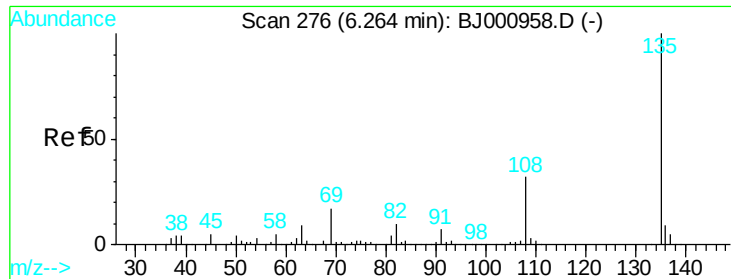
Abundance

Ion 61.00 (60.70 to 61.70): BJ0

Ion 45.00 (44.70 to 45.70): BJ0

Ion 47.00 (46.70 to 47.70): BJ0





#9

Benzothiazole

Concen: 9.32 ug/mL

RT: 6.26 min Scan# 276

Delta R.T. -0.00 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

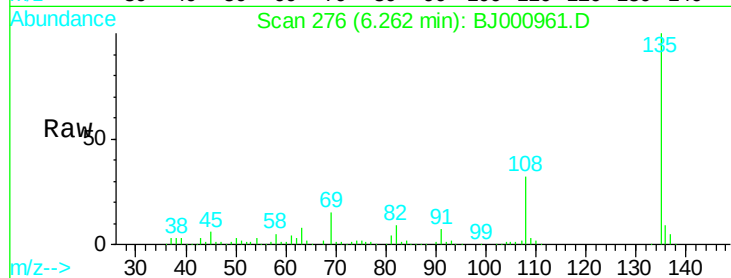
Tgt Ion:135 Resp: 2175181

Ion Ratio Lower Upper

135 100

108 31.8 12.4 52.4

69 15.1 0.0 36.7

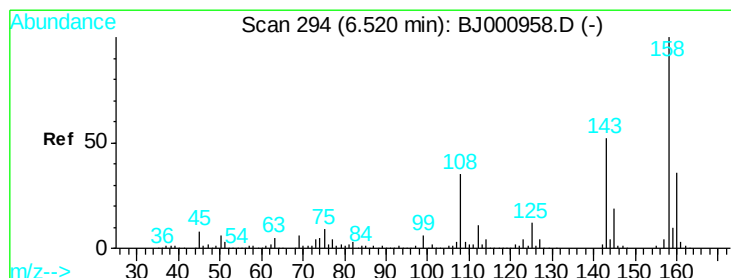
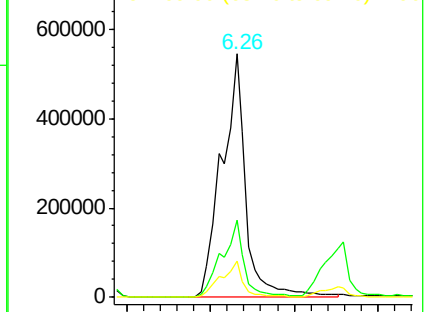
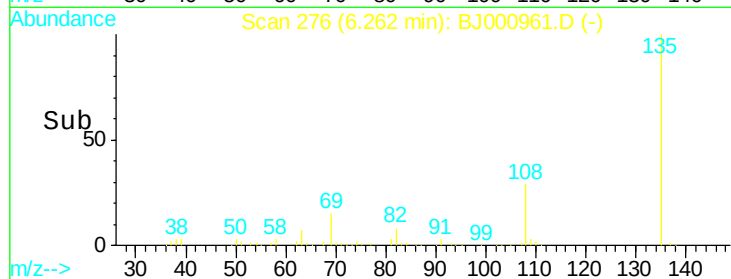


Abundance

Ion 135.00 (134.70 to 135.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 69.00 (68.70 to 69.70): BJ0



#11

p-Chlorophenylmethylsulfide

Concen: 8.78 ug/mL

RT: 6.52 min Scan# 294

Delta R.T. -0.00 min

Lab File: BJ000961.D

Acq: 27 Jun 2012 14:50

Tgt Ion:158 Resp: 1286780

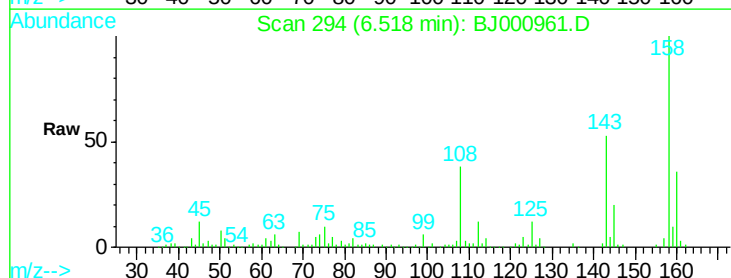
Ion Ratio Lower Upper

158 100

143 53.5 31.9 71.9

108 38.3 15.8 55.8

45 12.1 0.0 29.2



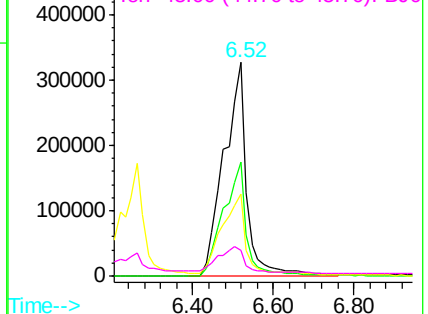
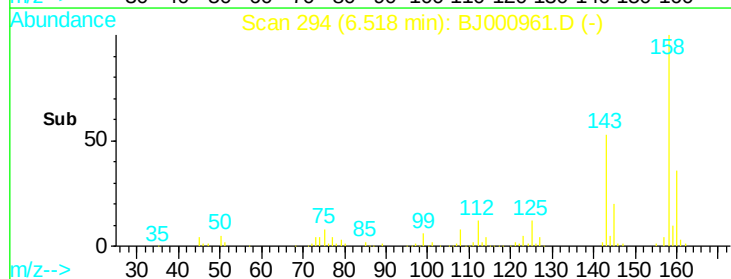
Abundance

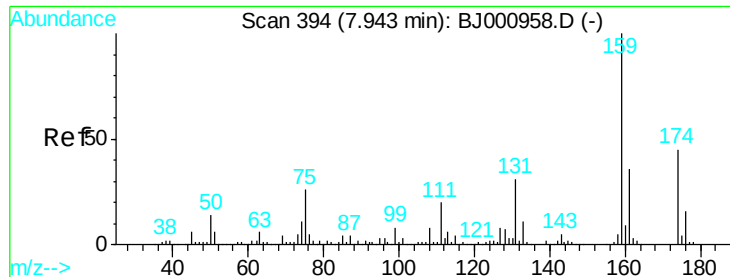
Ion 158.00 (157.70 to 158.70): E

Ion 143.00 (142.70 to 143.70): E

Ion 108.00 (107.70 to 108.70): E

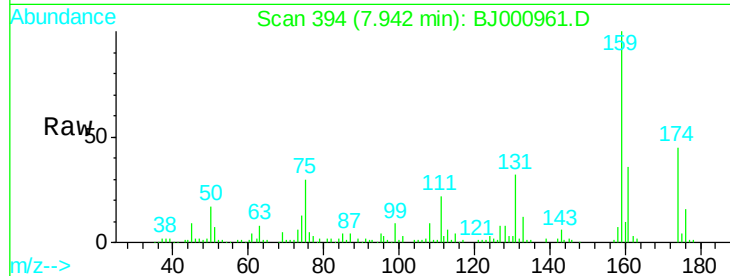
Ion 45.00 (44.70 to 45.70): BJ0





#13
p-Chlorophenylmethylsulfoxide
Concen: 10.09 ug/mL
RT: 7.94 min Scan# 394
Delta R.T. -0.00 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Tgt Ion:	159	Resp:	879636
Ion	Ratio	Lower	Upper
159	100		
174	46.9	26.0	66.0
108	9.3	0.0	28.6
50	16.0	0.0	37.3



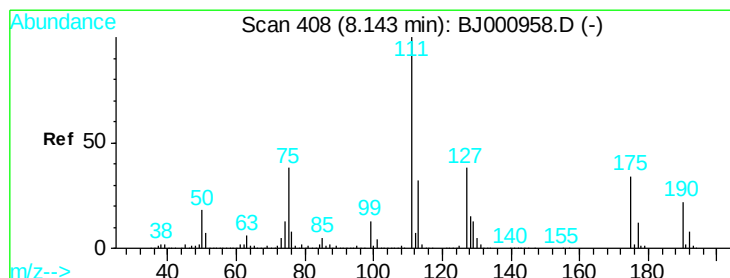
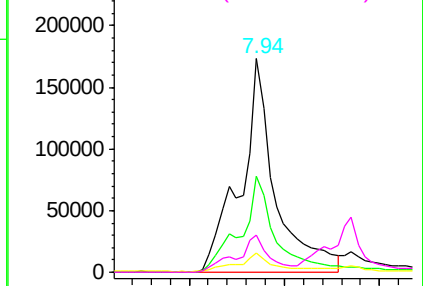
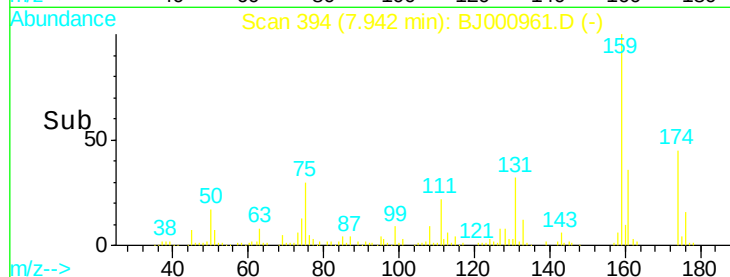
Abundance

Ion 159.00 (158.70 to 159.70): E

Ion 174.00 (173.70 to 174.70): E

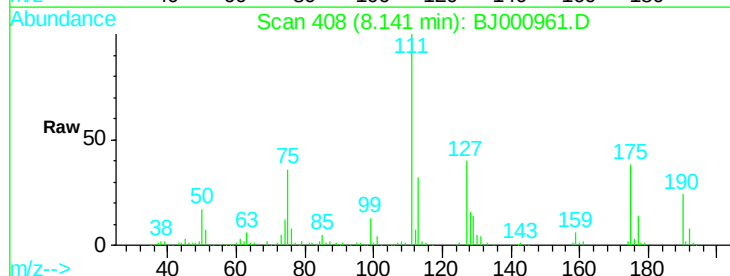
Ion 108.00 (107.70 to 108.70): E

Ion 50.00 (49.70 to 50.70): BJ0



#14
p-Chlorophenylmethylsulfone
Concen: 8.51 ug/mL
RT: 8.14 min Scan# 408
Delta R.T. -0.00 min
Lab File: BJ000961.D
Acq: 27 Jun 2012 14:50

Tgt Ion:	111	Resp:	1051994
Ion	Ratio	Lower	Upper
111	100		
75	36.4	19.3	59.3
127	40.4	18.4	58.4
190	24.3	1.5	41.5



Abundance

Ion 111.00 (110.70 to 111.70): E

Ion 75.00 (74.70 to 75.70): BJ0

Ion 127.00 (126.70 to 127.70): E

Ion 190.00 (189.70 to 190.70): E

