

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045412.D
 Acq On : 17 Sep 2015 17:55
 Operator : FY/SY
 Sample : G3708-01
 Misc : 14.54g/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-15-17

Quant Time: Sep 18 10:26:11 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

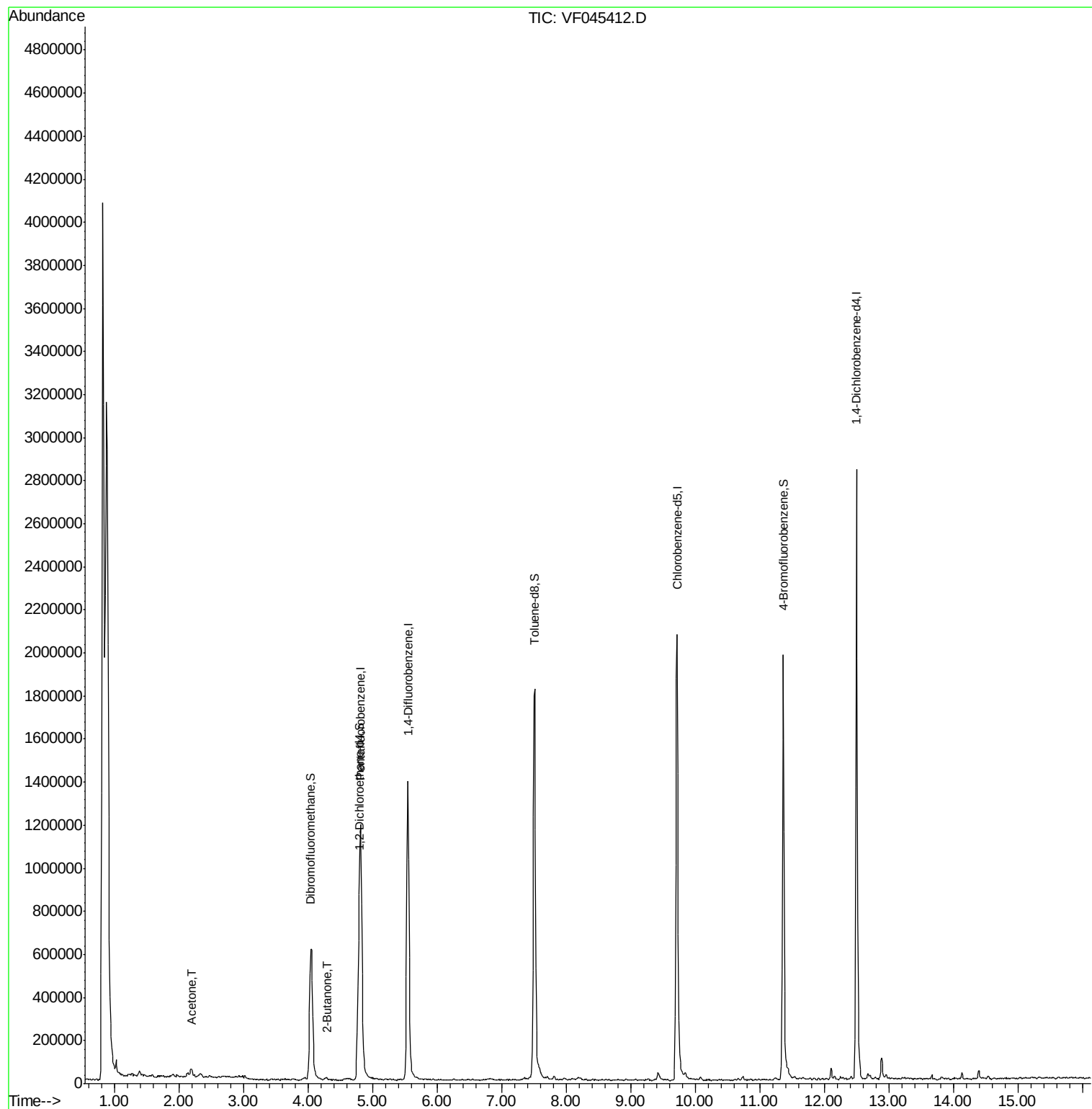
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1144320	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	1736667	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1631052	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.50	152	806624	50.00	ug/l	0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	4.78	65	530812	43.20	ug/l	0.02
Spiked Amount 50.000			Recovery	=	86.40%	
34) Dibromofluoromethane	4.05	113	612135	45.50	ug/l	0.02
Spiked Amount 50.000			Recovery	=	91.00%	
49) Toluene-d8	7.51	98	1724310	43.51	ug/l	0.02
Spiked Amount 50.000			Recovery	=	87.02%	
61) 4-Bromofluorobenzene	11.36	95	772620	40.56	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.12%	
Target Compounds						
16) Acetone	2.18	43	71956	25.79	ug/l	93
25) 2-Butanone	4.28	43	20937	5.37	ug/l	92

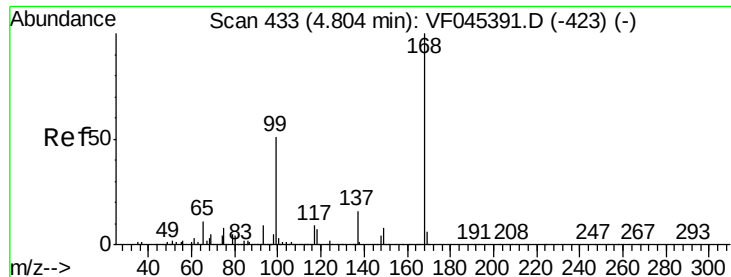
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Instrument :

MSVOA_F

ClientSampleId :

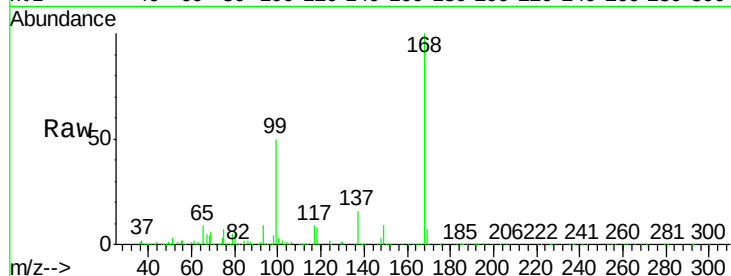
MGP209BR-15-17

Tot Ion:168 Resp: 1144320

Ion Ratio Lower Upper

168 100

99 49.9 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.82

400000

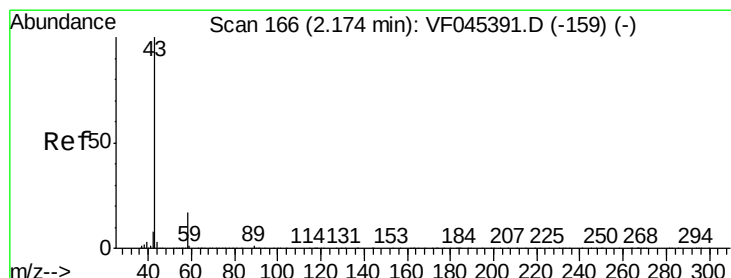
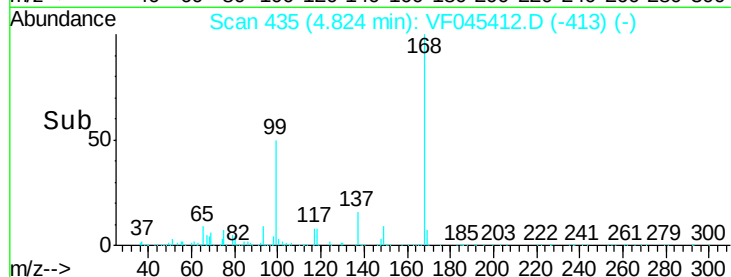
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#16

Acetone

Concen: 25.79 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.01 min

Lab File: VF045412.D

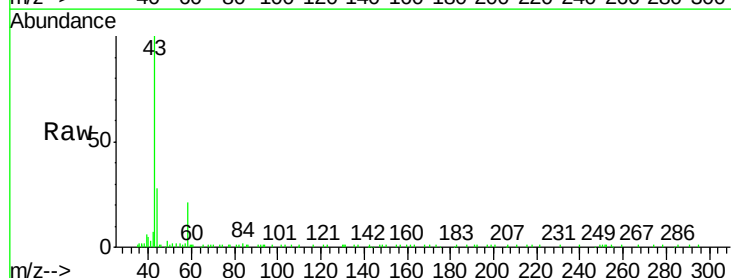
Acq: 17 Sep 2015 17:55

Tgt Ion: 43 Resp: 71956

Ion Ratio Lower Upper

43 100

58 20.6 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.18

30000

25000

20000

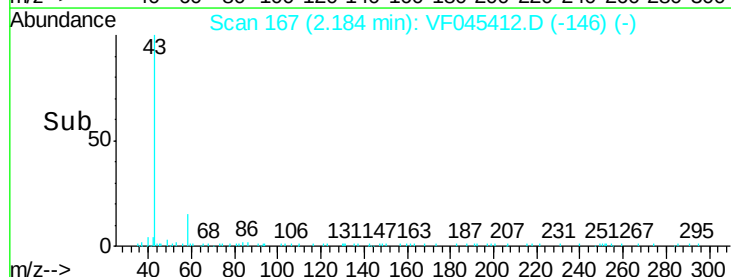
15000

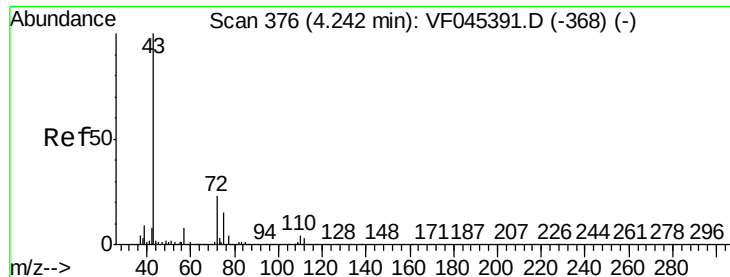
10000

5000

0

Time--> 2.10 2.20 2.30





#25

2-Butanone

Concen: 5.37 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.04 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Instrument :

MSVOA_F

ClientSampleId :

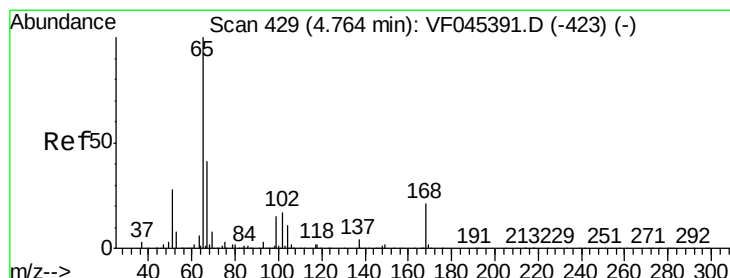
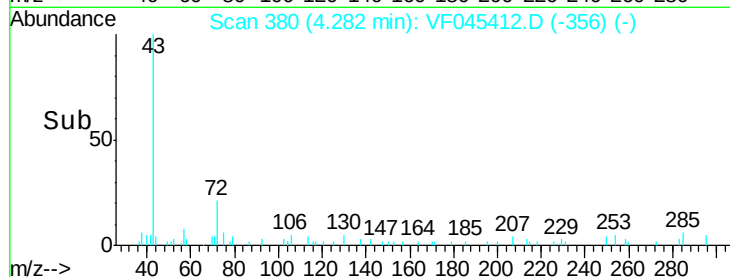
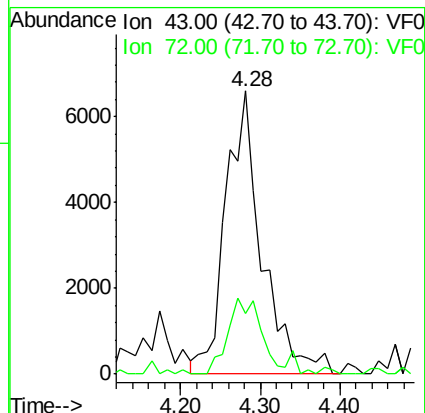
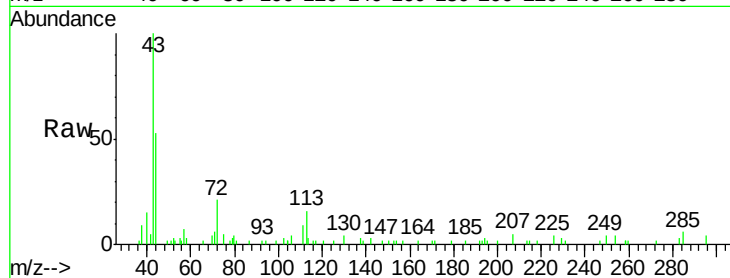
MGP209BR-15-17

Tot Ion: 43 Resp: 20937

Ion Ratio Lower Upper

43 100

72 21.4 20.2 30.2



#32

1,2-Dichloroethane-d4

Concen: 43.20 ug/l

RT: 4.78 min Scan# 431

Delta R.T. 0.02 min

Lab File: VF045412.D

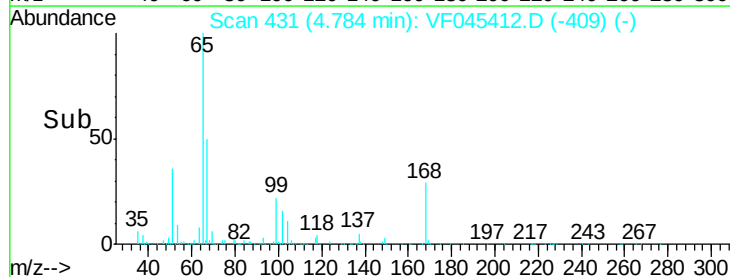
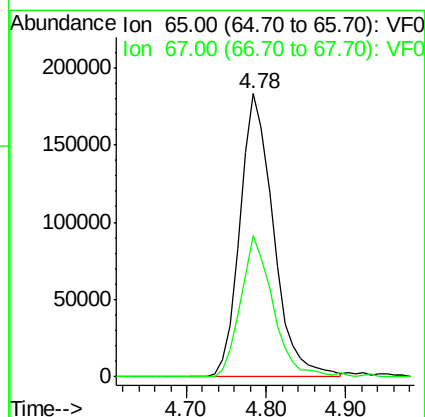
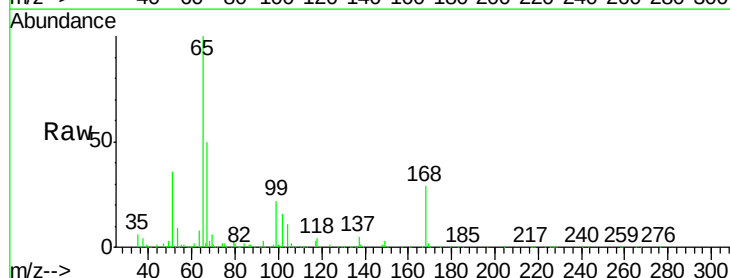
Acq: 17 Sep 2015 17:55

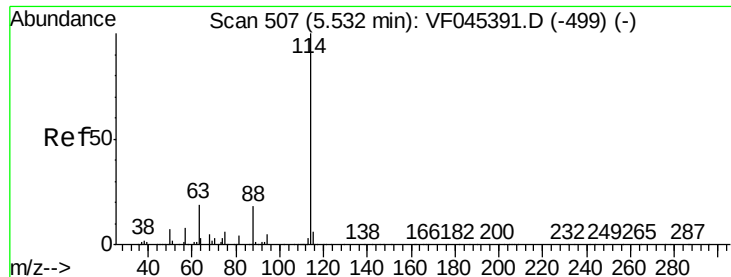
Tgt Ion: 65 Resp: 530812

Ion Ratio Lower Upper

65 100

67 49.9 0.0 102.2

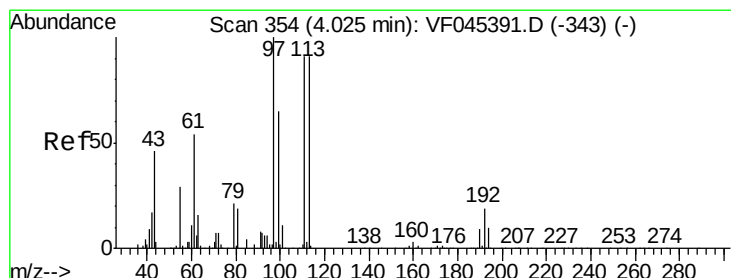
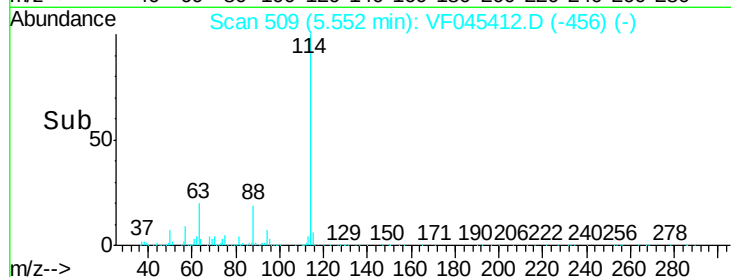
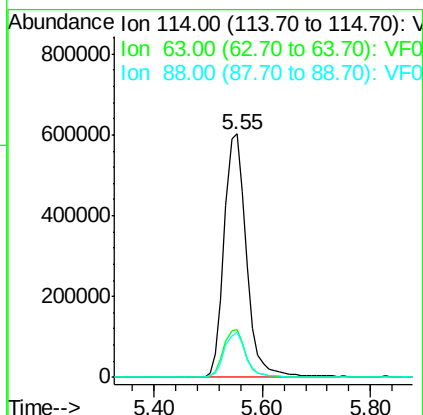
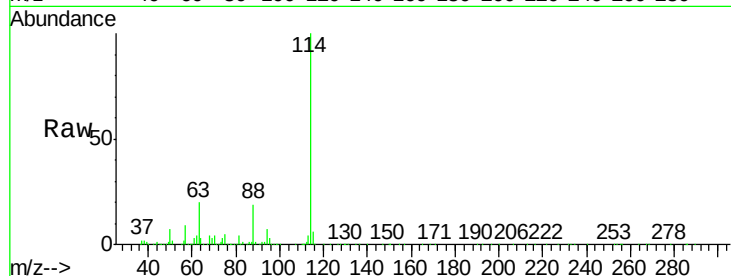




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.55 min Scan# 509
 Delta R.T. 0.02 min
 Lab File: VF045412.D
 Acq: 17 Sep 2015 17:55

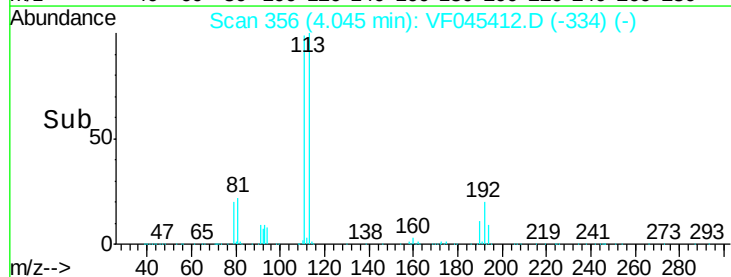
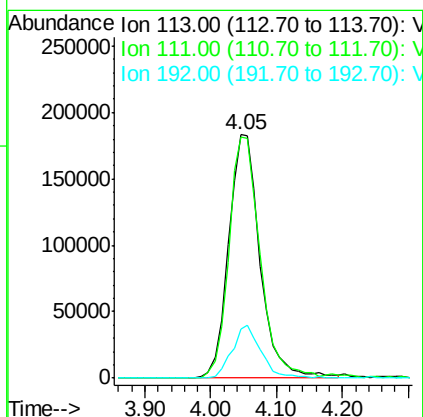
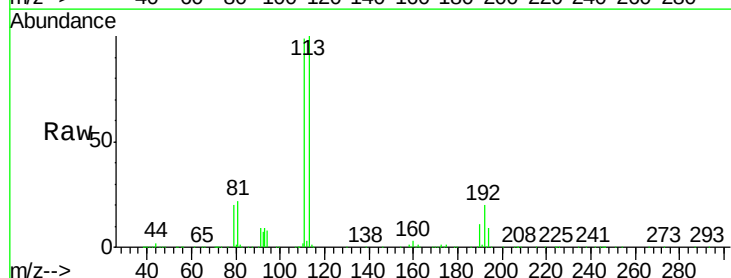
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-15-17

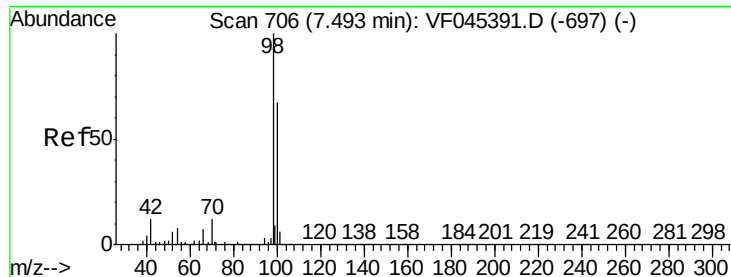
Tot Ion:114 Resp: 1736667
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.2
 88 18.5 0.0 37.0



#34
 Dibromofluoromethane
 Concen: 45.50 ug/l
 RT: 4.05 min Scan# 356
 Delta R.T. 0.02 min
 Lab File: VF045412.D
 Acq: 17 Sep 2015 17:55

Tgt Ion:113 Resp: 612135
 Ion Ratio Lower Upper
 113 100
 111 98.8 75.5 113.3
 192 20.1 15.6 23.4





#49

Toluene-d8

Concen: 43.51 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Instrument :

MSVOA_F

ClientSampleId :

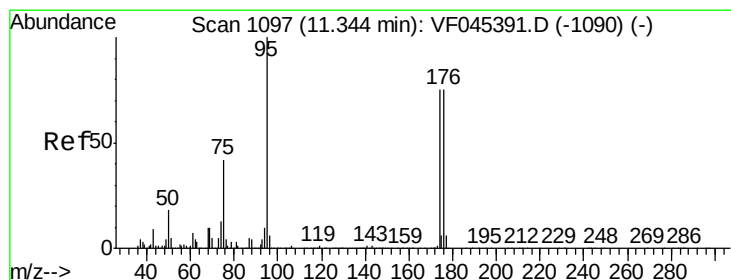
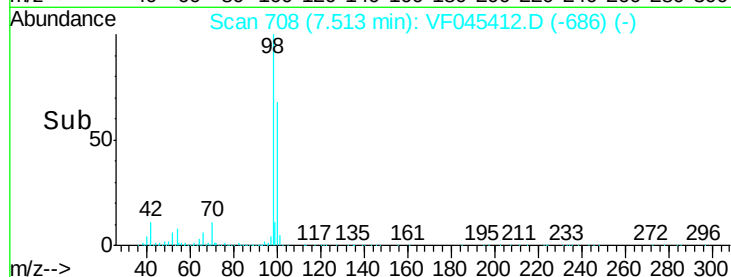
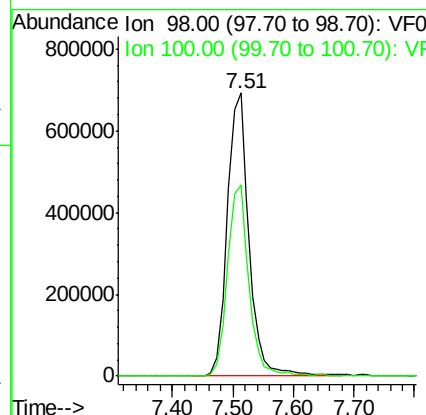
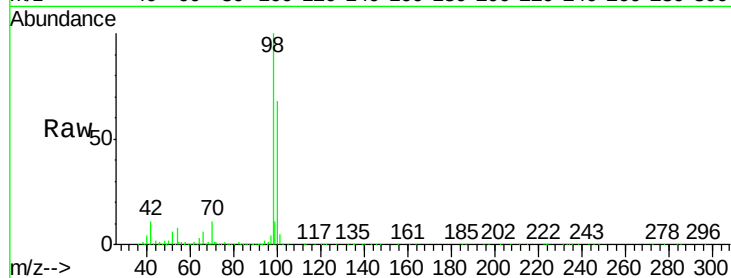
MGP209BR-15-17

Tot Ion: 98 Resp: 1724310

Ion Ratio Lower Upper

98 100

100 67.8 54.4 81.6



#61

4-Bromofluorobenzene

Concen: 40.56 ug/l

RT: 11.36 min Scan# 1099

Delta R.T. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

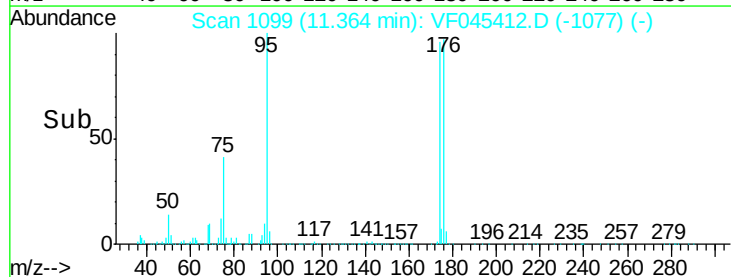
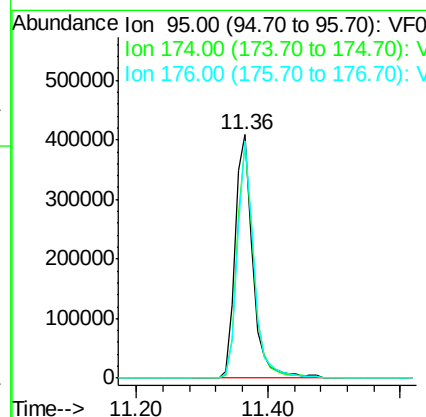
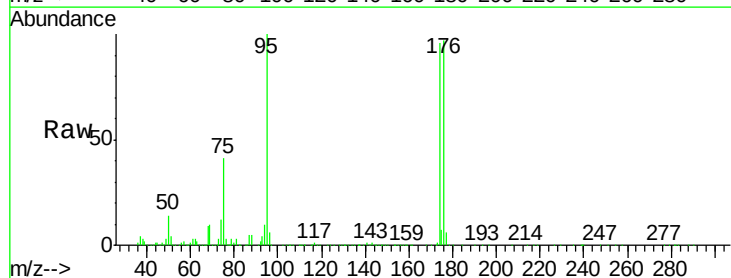
Tgt Ion: 95 Resp: 772620

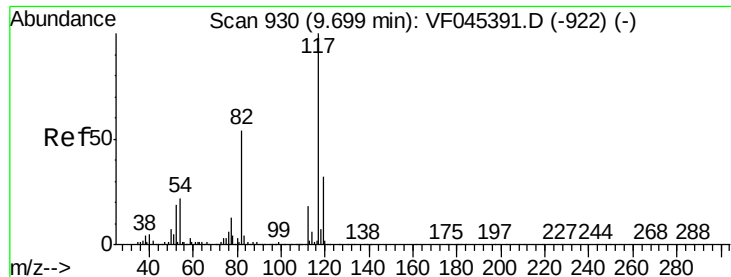
Ion Ratio Lower Upper

95 100

174 95.6 0.0 177.8

176 97.5 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.72 min Scan# 932

Delta R.T. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-15-17

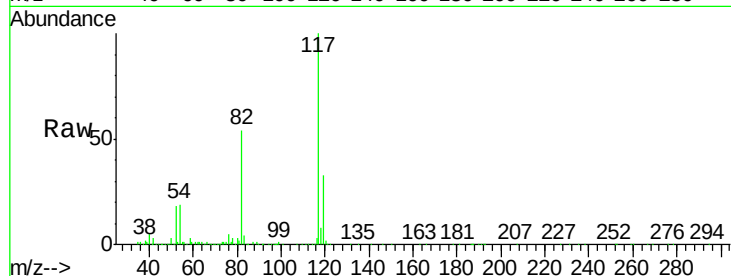
Tot Ion:117 Resp: 1631052

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.6

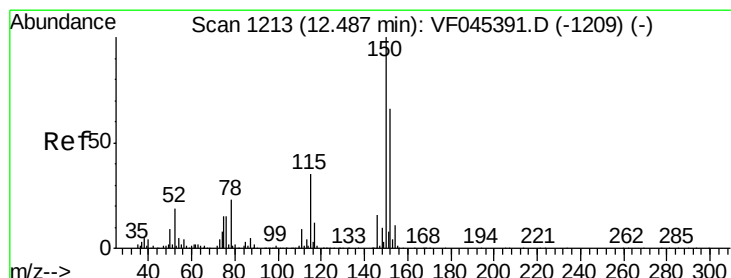
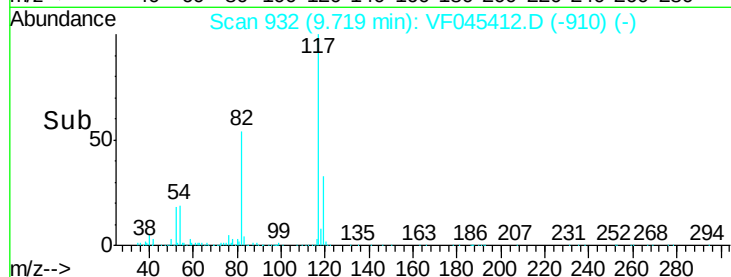
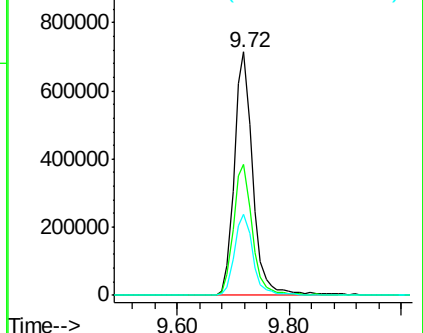
119 33.4 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.50 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

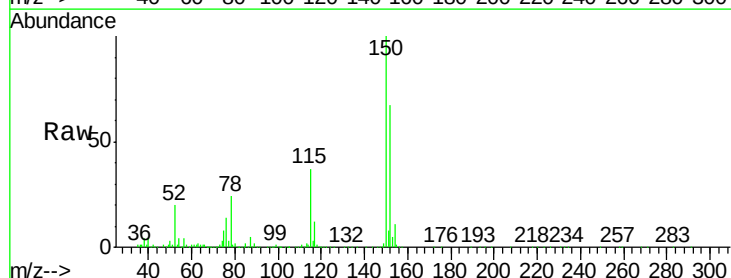
Tgt Ion:152 Resp: 806624

Ion Ratio Lower Upper

152 100

115 55.5 28.3 85.0

150 149.7 0.0 324.2



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

