

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045411.D
 Acq On : 17 Sep 2015 17:26
 Operator : FY/SY
 Sample : G3708-03
 Misc : 10.92g/5mL/MSVOA F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30

Quant Time: Sep 18 01:20:36 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	1148838	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1705458	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1573357	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	850636	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	4.79	65	533476	43.24	ug/l	0.02
Spiked Amount			Recovery	=	86.48%	
34) Dibromofluoromethane	4.05	113	621636	47.05	ug/l	0.02
Spiked Amount			Recovery	=	94.10%	
49) Toluene-d8	7.51	98	1791867	46.04	ug/l	0.01
Spiked Amount			Recovery	=	92.08%	
61) 4-Bromofluorobenzene	11.36	95	816517	43.64	ug/l	0.01
Spiked Amount			Recovery	=	87.28%	

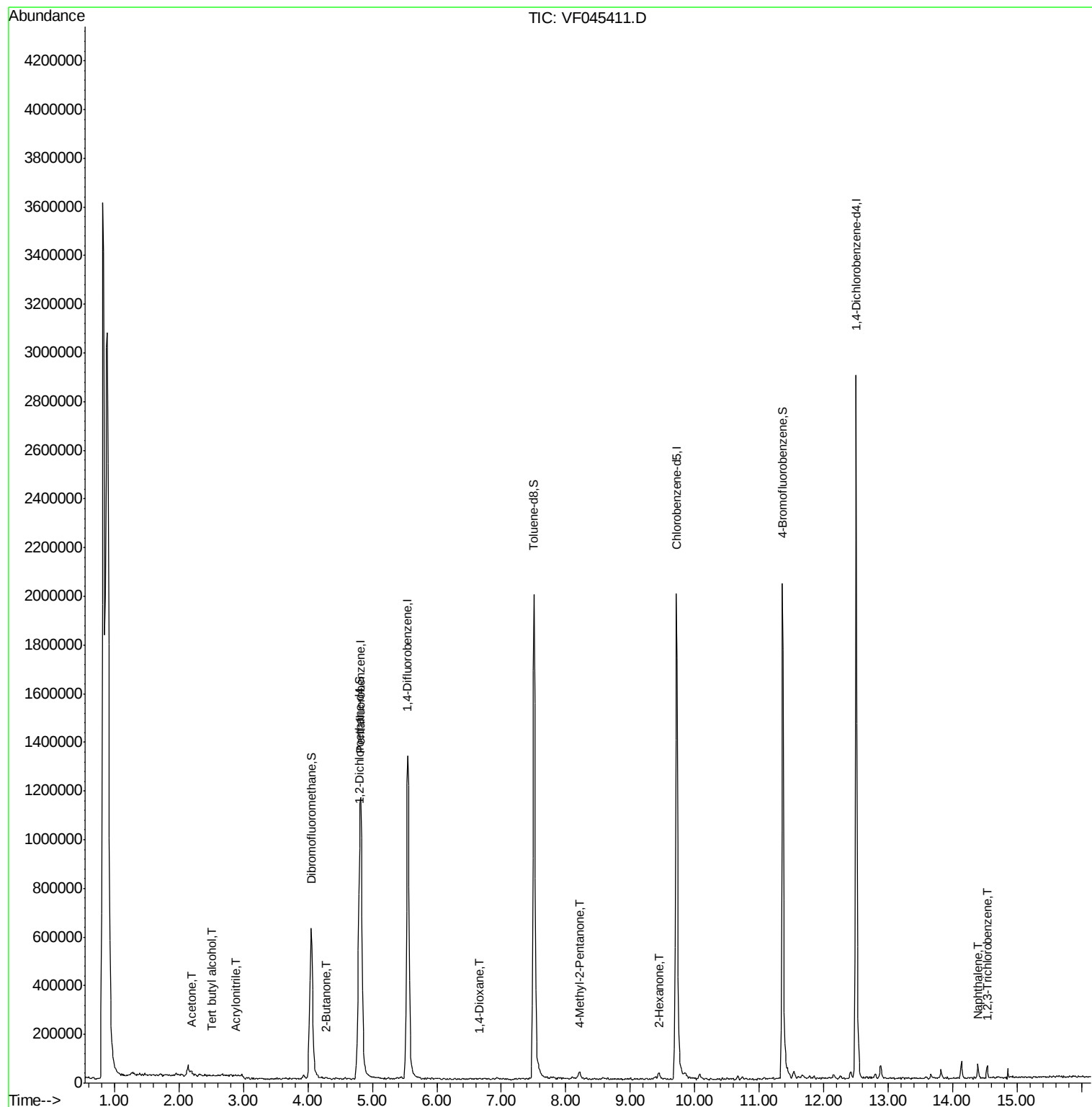
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.50	59	407	2.94	ug/l #	1
15) Acrylonitrile	2.90	53	3305	2.49	ug/l	88
16) Acetone	2.19	43	26958	9.63	ug/l #	86
20) Methylene Chloride	2.14	84	17779	Below Cal	#	89
25) 2-Butanone	4.28	43	9006	2.30	ug/l	91
48) 1,4-Dioxane	6.66	88	146	1.86	ug/l #	1
50) 4-Methyl-2-Pentanone	8.21	43	23849	3.11	ug/l	99
58) 2-Hexanone	9.45	43	29623	4.85	ug/l	76
94) Naphthalene	14.39	128	40034	3.08	ug/l	98
95) 1,2,3-Trichlorobenzene	14.54	180	14547	1.21	ug/l	95

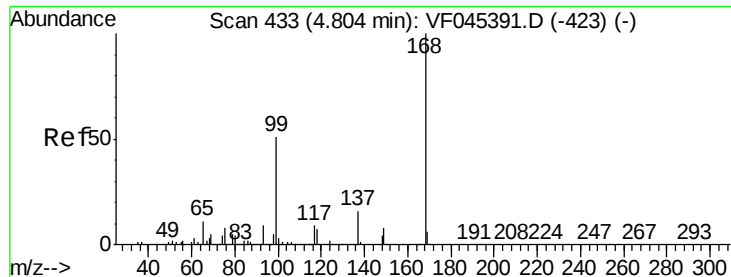
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
Data File : VF045411.D
Acq On : 17 Sep 2015 17:26
Operator : FY/SY
Sample : G3708-03
Misc : 10.92g/5mL/MSVOA F/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30

Quant Time: Sep 18 01:20:36 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.82 min Scan# 435

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

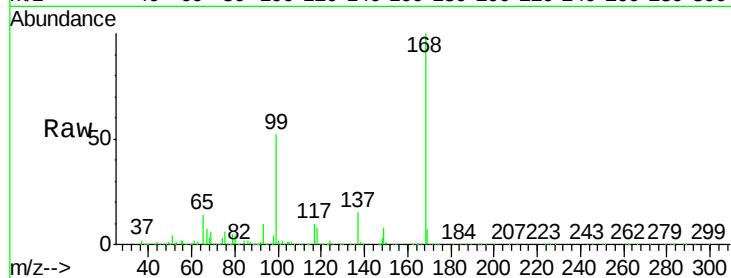
MGP209BR-29-30

Tot Ion:168 Resp: 1148838

Ion Ratio Lower Upper

168 100

99 52.0 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

4.82

400000

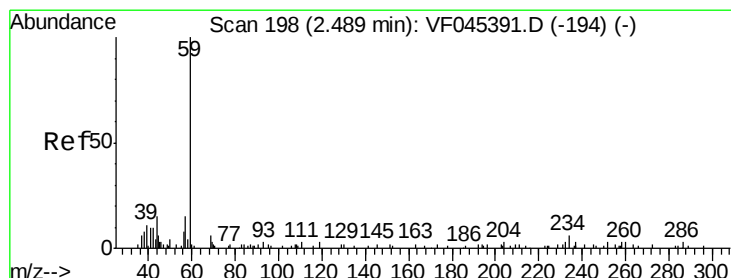
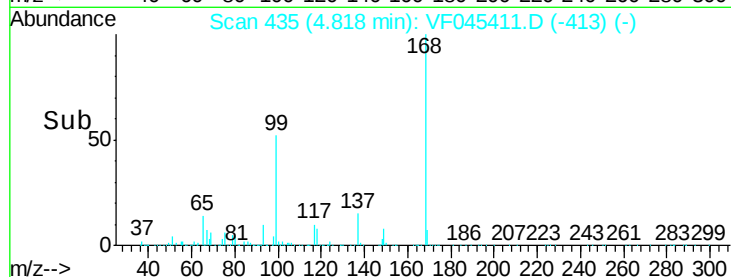
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.94 ug/l

RT: 2.50 min Scan# 200

Delta R.T. 0.01 min

Lab File: VF045411.D

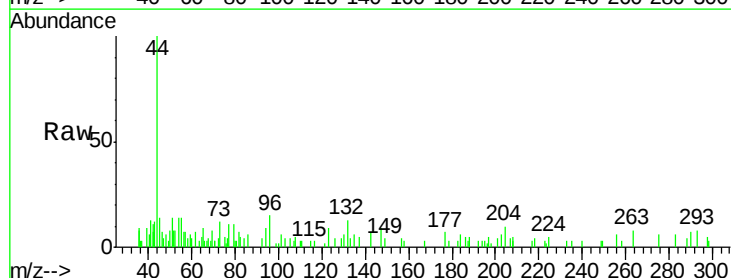
Acq: 17 Sep 2015 17:26

Tgt Ion: 59 Resp: 407

Ion Ratio Lower Upper

59 100

57 112.8 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

500

400

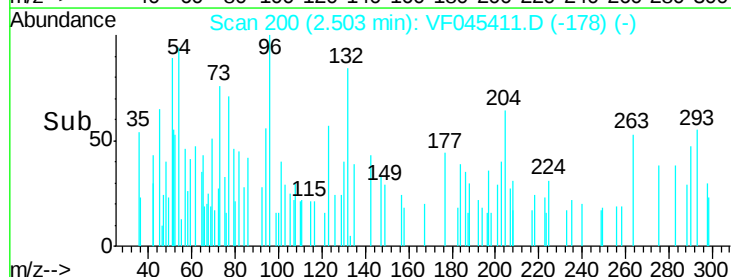
300

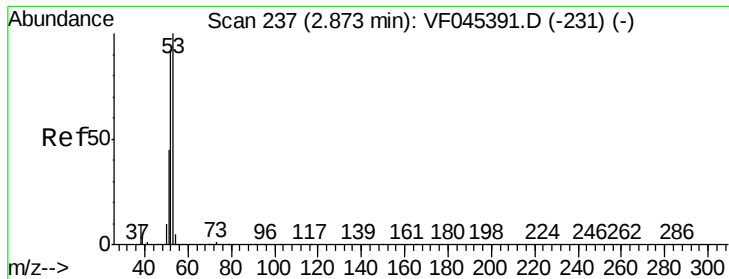
200

100

0

Time-->





#15

Acrylonitrile

Concen: 2.49 ug/l

RT: 2.90 min Scan# 240

Delta R.T. 0.02 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

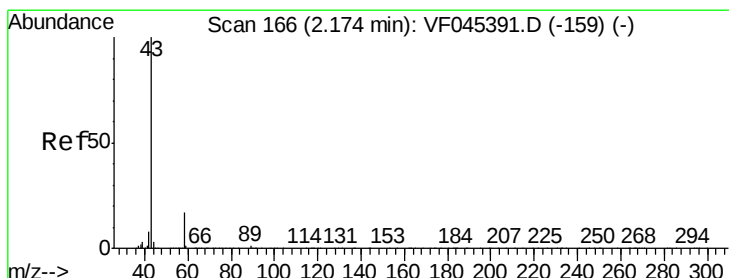
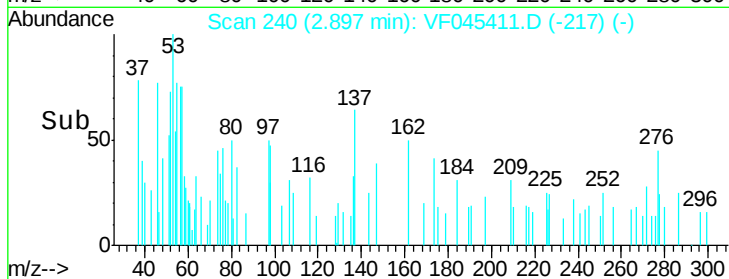
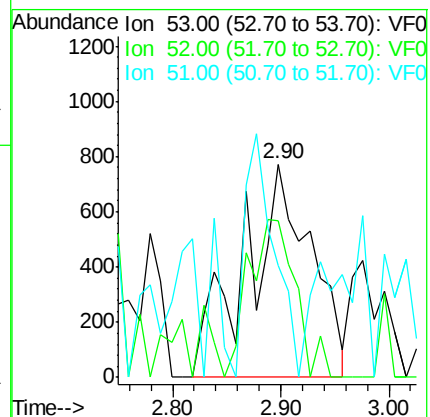
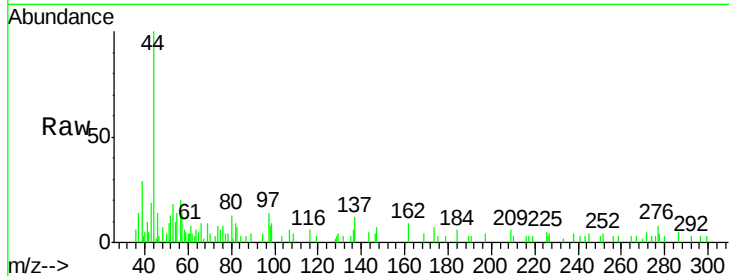
Tot Ion: 53 Resp: 3305

Ion Ratio Lower Upper

53 100

52 73.4 72.7 109.1

51 52.3 42.2 63.2



#16

Acetone

Concen: 9.63 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.01 min

Lab File: VF045411.D

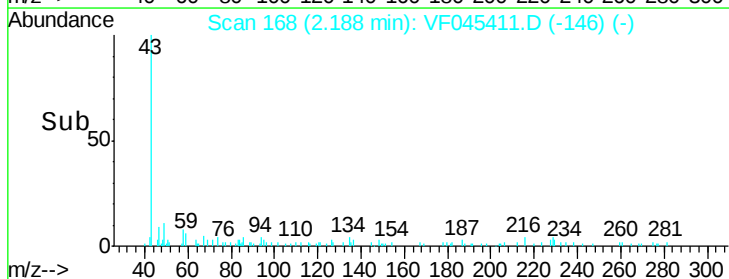
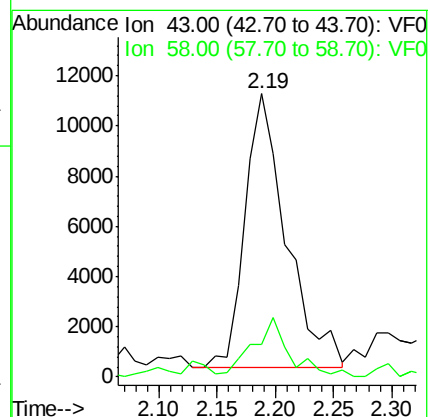
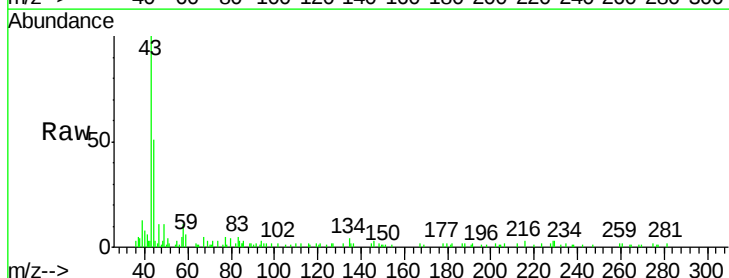
Acq: 17 Sep 2015 17:26

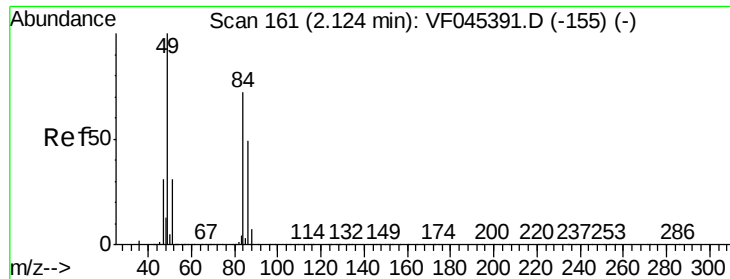
Tgt Ion: 43 Resp: 26958

Ion Ratio Lower Upper

43 100

58 11.4 13.9 20.9#

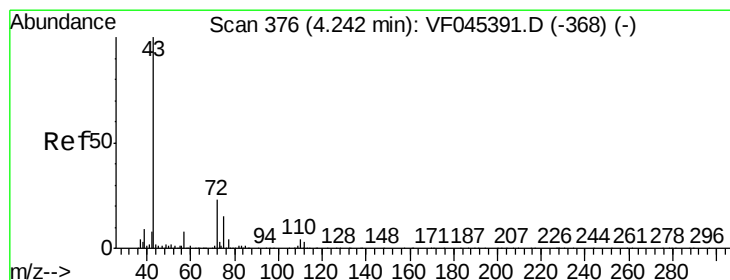
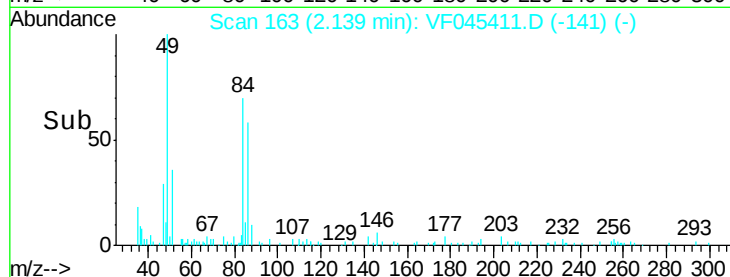
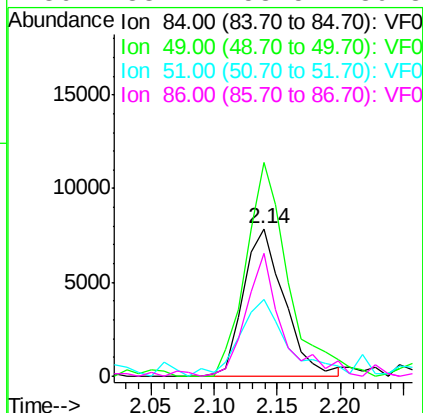
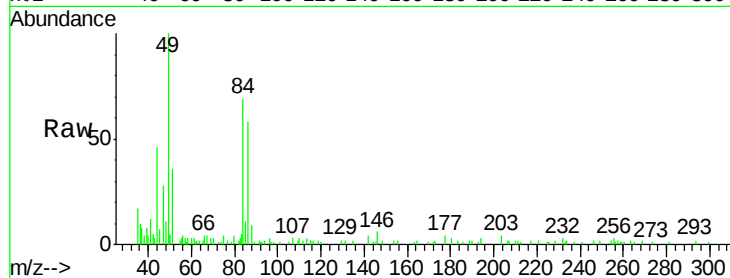




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF045411.D
Acq: 17 Sep 2015 17:26

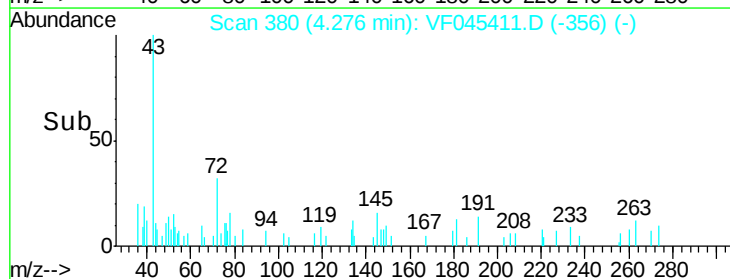
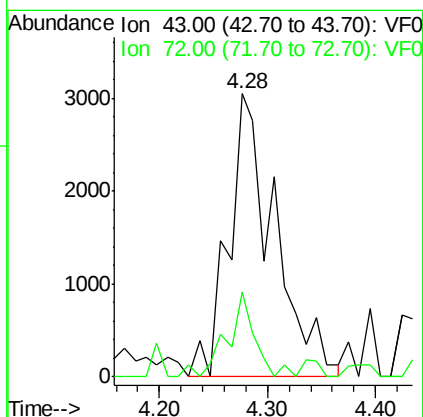
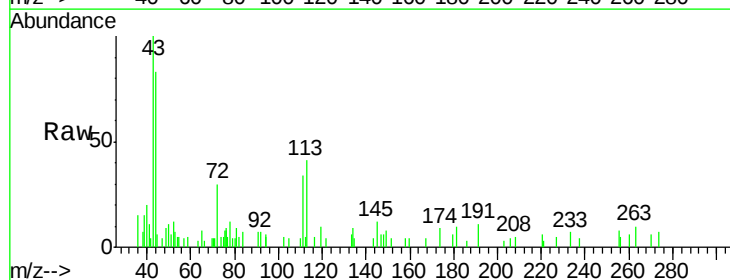
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30

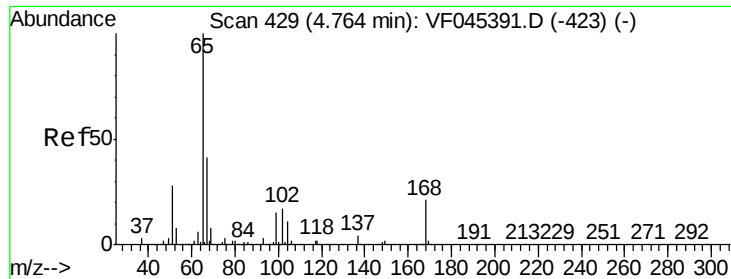
Tot Ion:	84	Resp:	17779
Ion	Ratio	Lower	Upper
84	100		
49	144.5	122.8	184.2
51	51.9	35.4	53.2
86	83.2	53.5	80.3#



#25
2-Butanone
Concen: 2.30 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.03 min
Lab File: VF045411.D
Acq: 17 Sep 2015 17:26

Tgt Ion:	43	Resp:	9006
Ion	Ratio	Lower	Upper
43	100		
72	30.0	20.2	30.2





#32

1,2-Dichloroethane-d4

Concen: 43.24 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

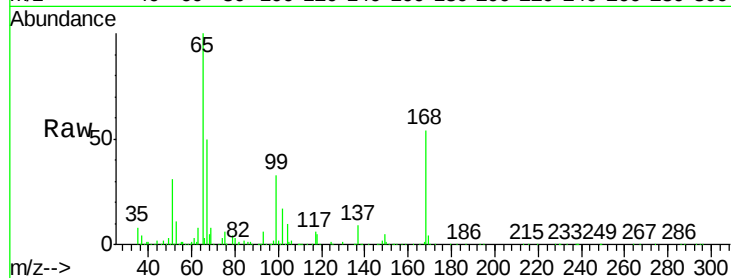
MGP209BR-29-30

Tot Ion: 65 Resp: 533476

Ion Ratio Lower Upper

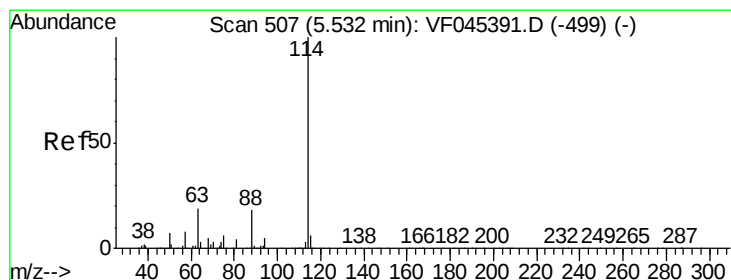
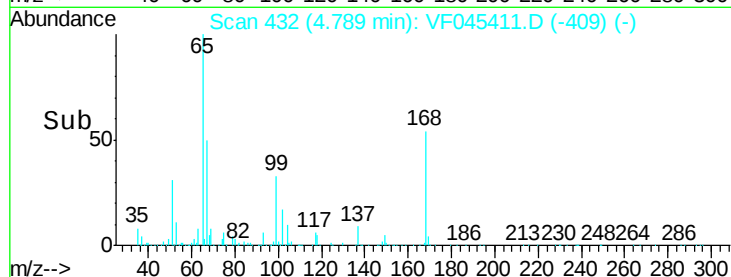
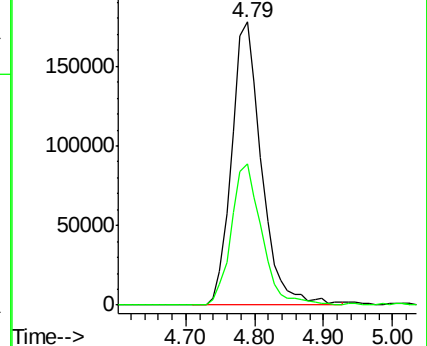
65 100

67 49.7 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 509

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

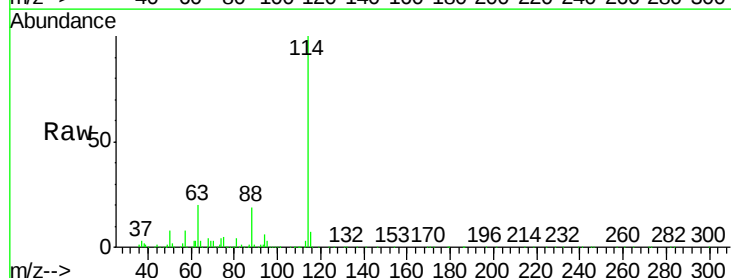
Tgt Ion: 114 Resp: 1705458

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.2

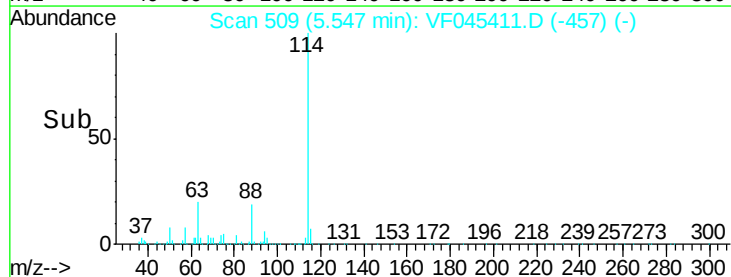
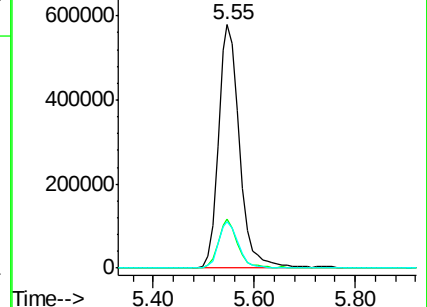
88 19.3 0.0 37.0

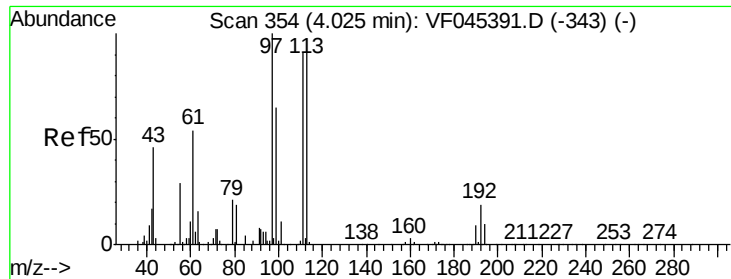


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

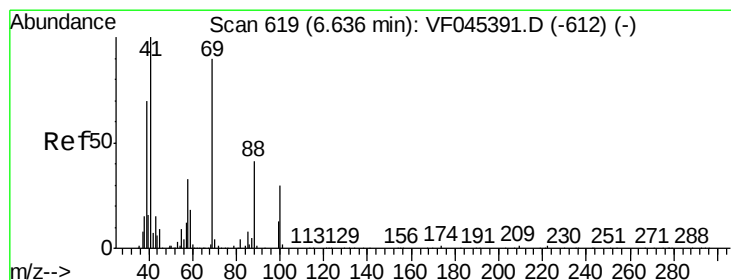
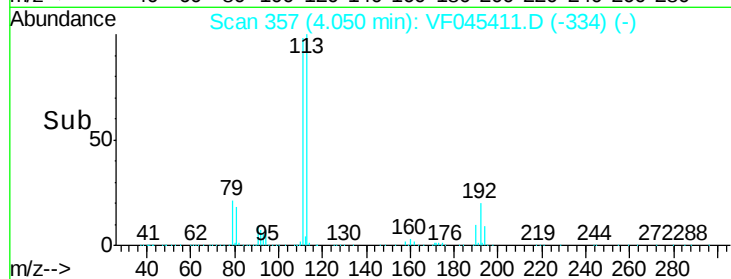
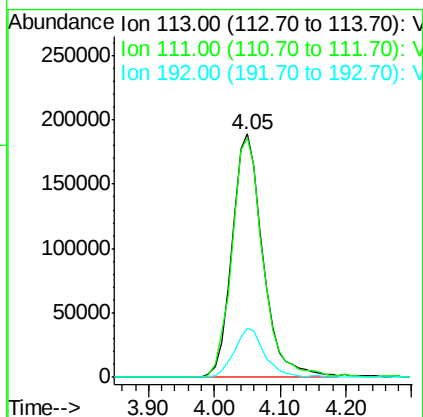
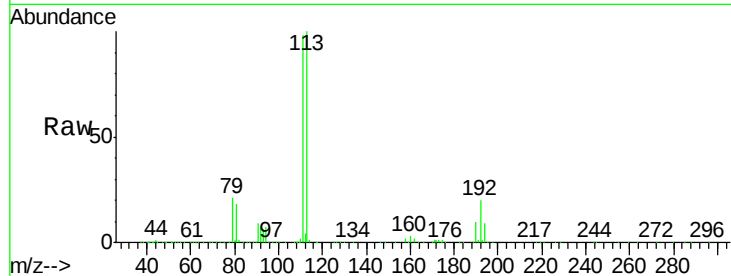




#34
 Dibromofluoromethane
 Concen: 47.05 ug/l
 RT: 4.05 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VF045411.D
 Acq: 17 Sep 2015 17:26

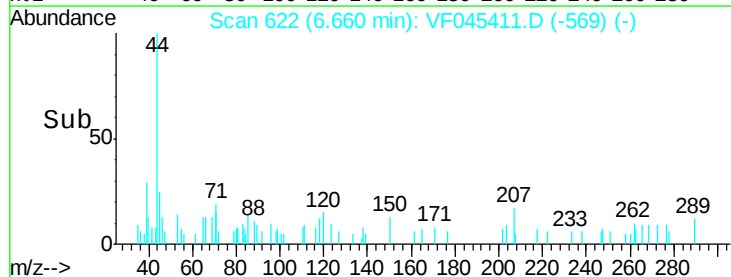
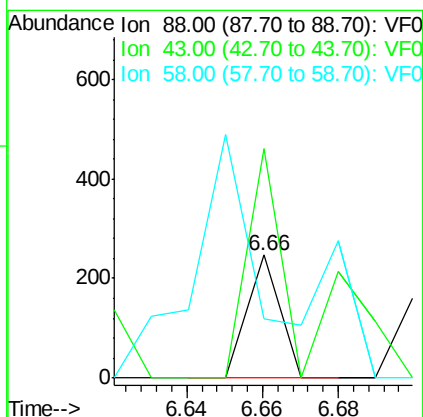
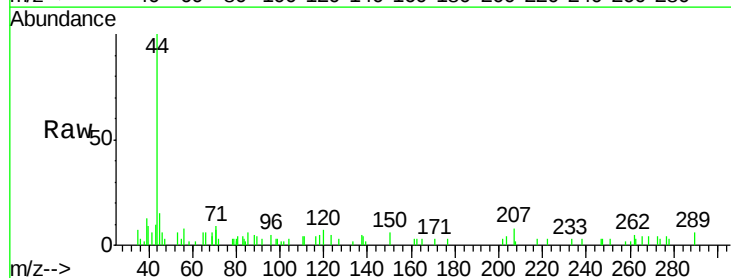
Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30

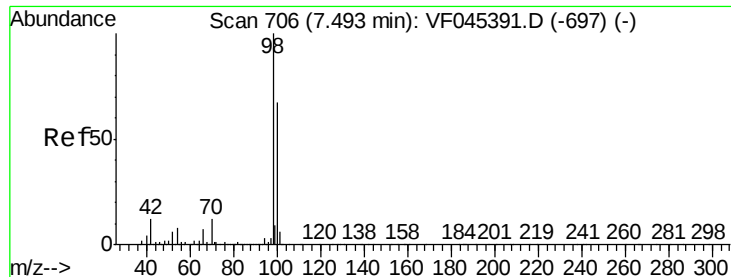
Tot Ion:113 Resp: 621636
 Ion Ratio Lower Upper
 113 100
 111 98.4 75.5 113.3
 192 20.3 15.6 23.4



#48
 1,4-Dioxane
 Concen: 1.86 ug/l
 RT: 6.66 min Scan# 622
 Delta R.T. 0.02 min
 Lab File: VF045411.D
 Acq: 17 Sep 2015 17:26

Tgt Ion: 88 Resp: 146
 Ion Ratio Lower Upper
 88 100
 43 186.2 34.5 51.7#
 58 47.8 46.5 69.7





#49

Toluene-d8

Concen: 46.04 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

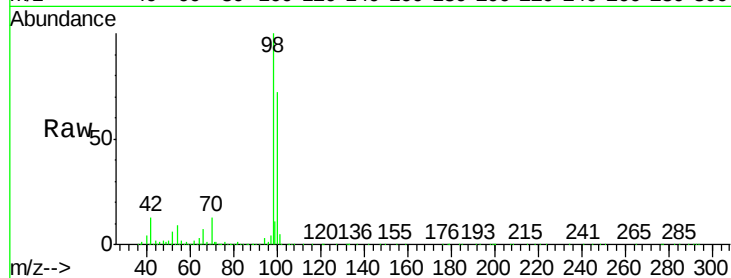
MGP209BR-29-30

Tot Ion: 98 Resp: 1791867

Ion Ratio Lower Upper

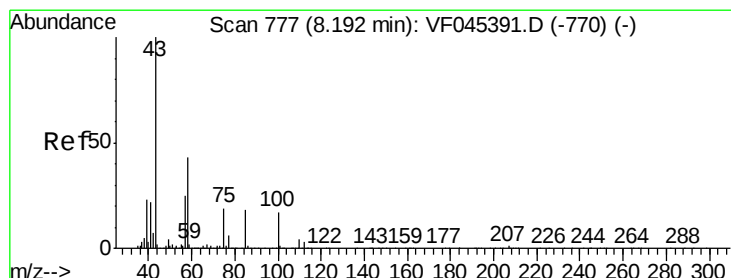
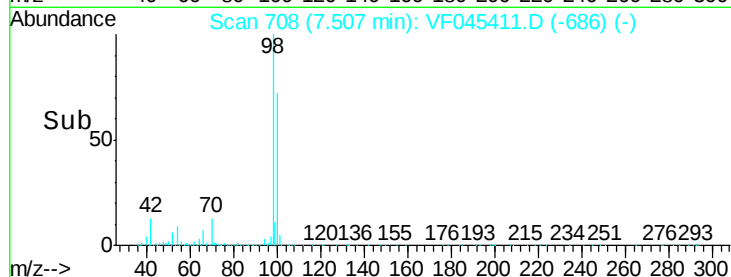
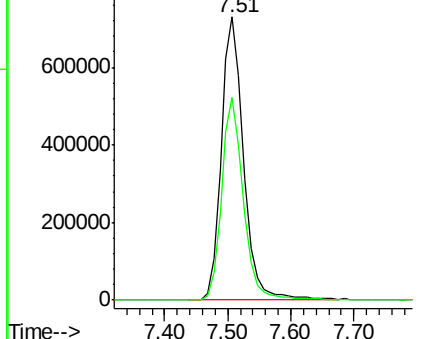
98 100

100 71.7 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



#50

4-Methyl-2-Pentanone

Concen: 3.11 ug/l

RT: 8.21 min Scan# 779

Delta R.T. 0.01 min

Lab File: VF045411.D

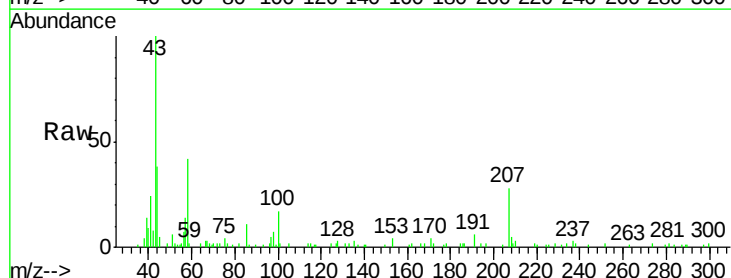
Acq: 17 Sep 2015 17:26

Tgt Ion: 43 Resp: 23849

Ion Ratio Lower Upper

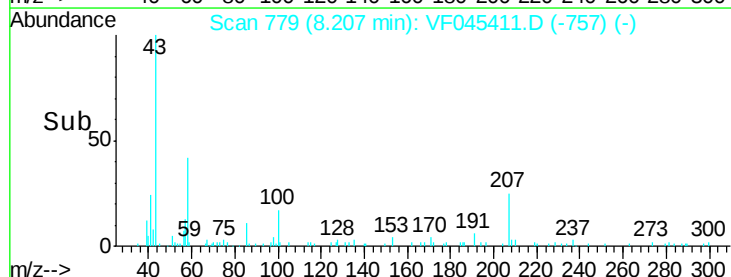
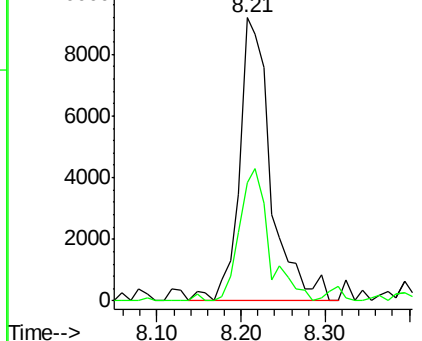
43 100

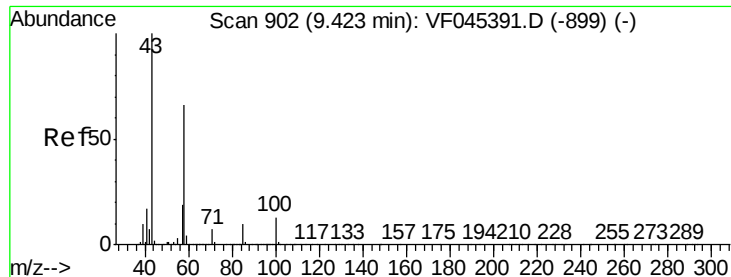
58 41.6 33.6 50.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

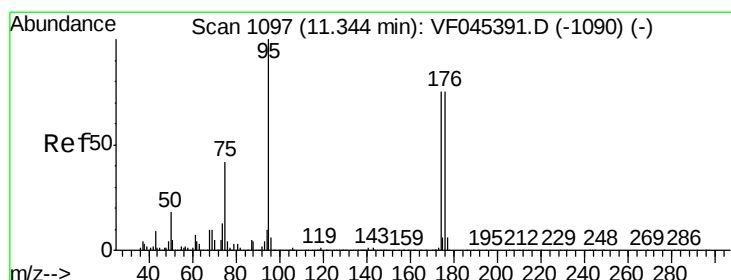
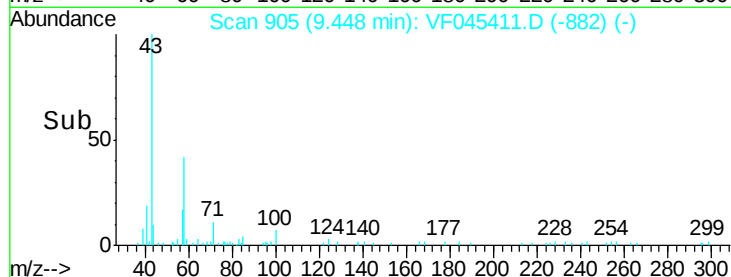
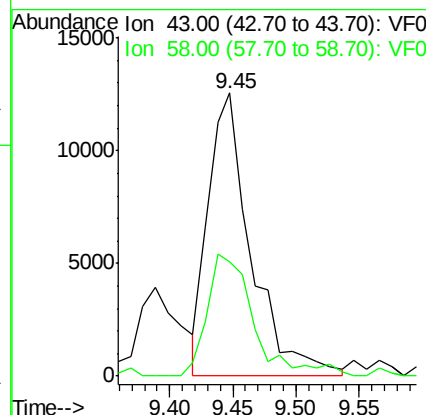
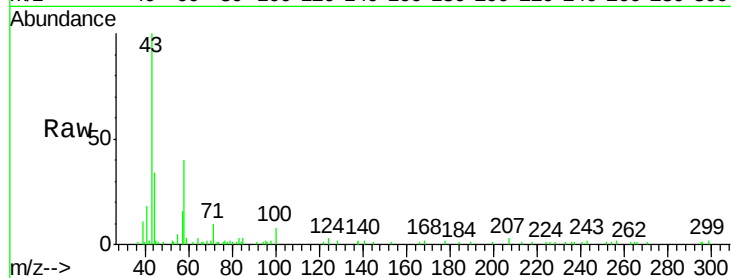




#58
2-Hexanone
Concen: 4.85 ug/l
RT: 9.45 min Scan# 905
Delta R.T. 0.02 min
Lab File: VF045411.D
Acq: 17 Sep 2015 17:26

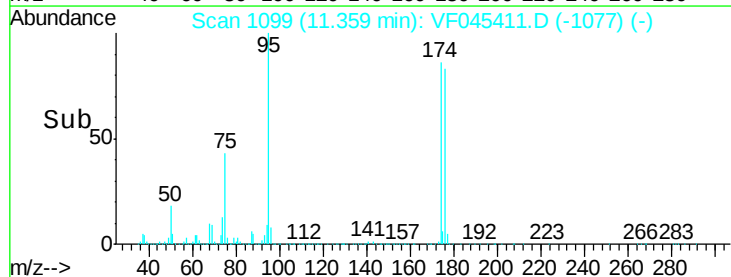
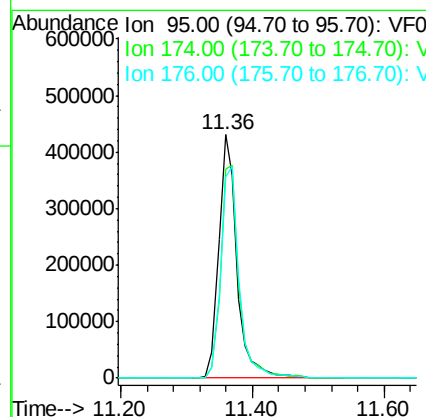
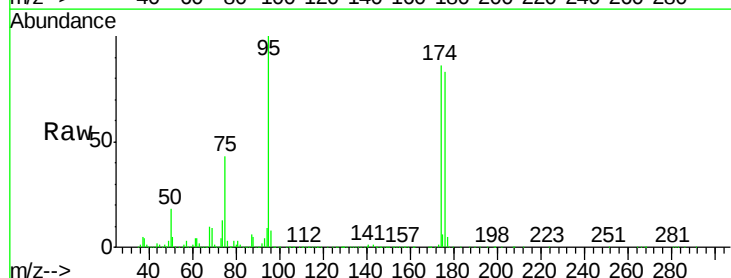
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30

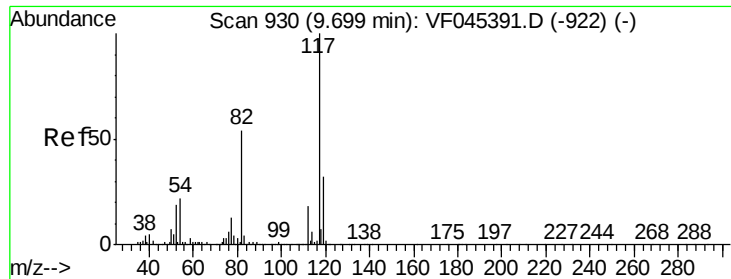
Tot Ion: 43 Resp: 29623
Ion Ratio Lower Upper
43 100
58 40.2 28.8 86.5



#61
4-Bromofluorobenzene
Concen: 43.64 ug/l
RT: 11.36 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VF045411.D
Acq: 17 Sep 2015 17:26

Tgt Ion: 95 Resp: 816517
Ion Ratio Lower Upper
95 100
174 86.1 0.0 177.8
176 82.7 0.0 176.2





#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.71 min Scan# 932

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

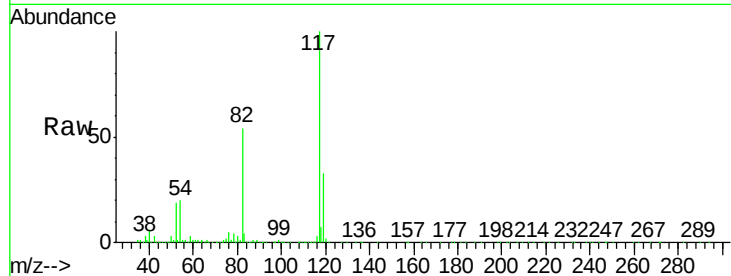
Tot Ion:117 Resp: 1573357

Ion Ratio Lower Upper

117 100

82 54.1 45.0 67.6

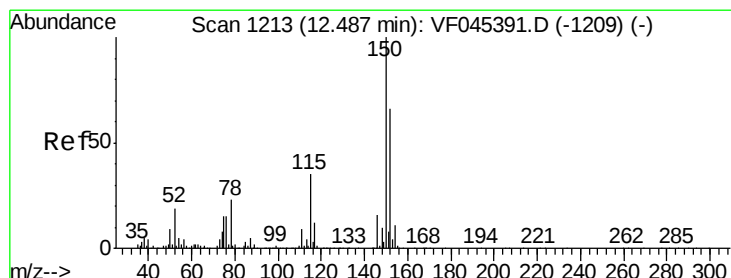
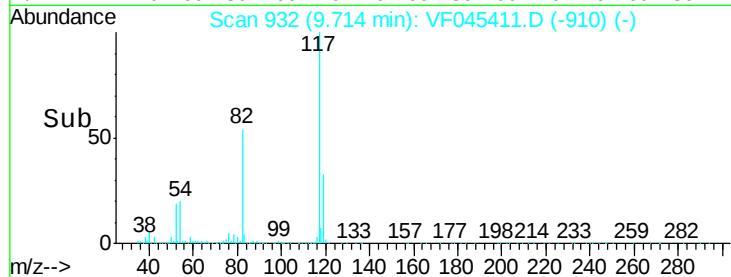
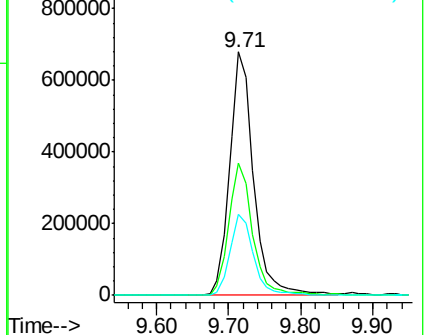
119 33.3 26.2 39.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

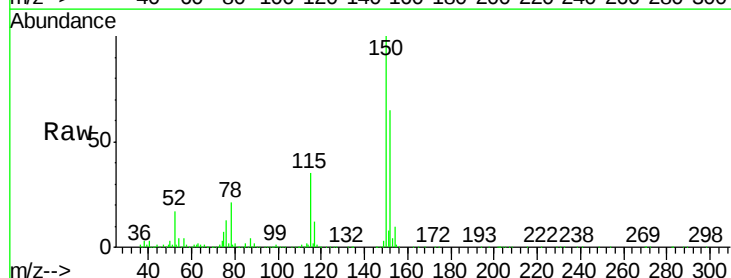
Tgt Ion:152 Resp: 850636

Ion Ratio Lower Upper

152 100

115 53.8 28.3 85.0

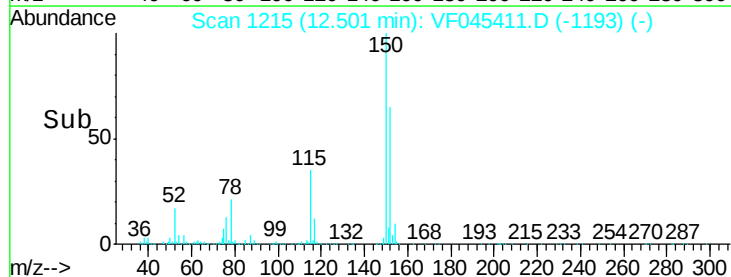
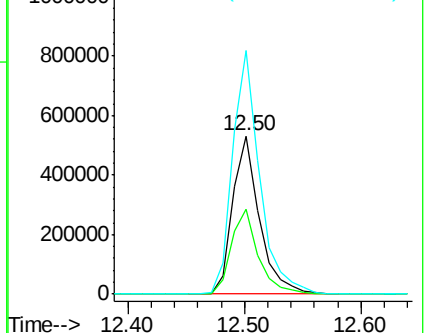
150 153.7 0.0 324.2

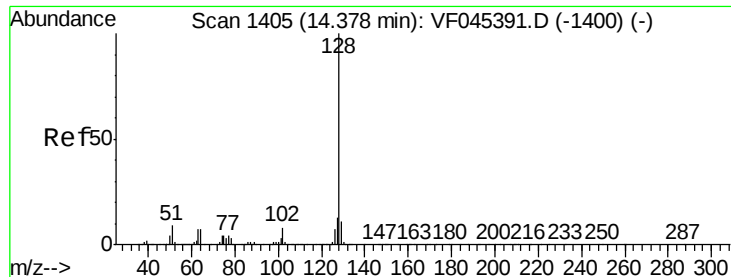


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#94

Naphthalene

Concen: 3.08 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

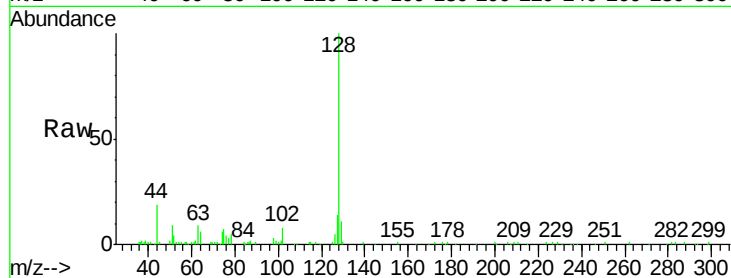
Tot Ion:128 Resp: 40034

Ion Ratio Lower Upper

128 100

127 13.7 9.8 14.8

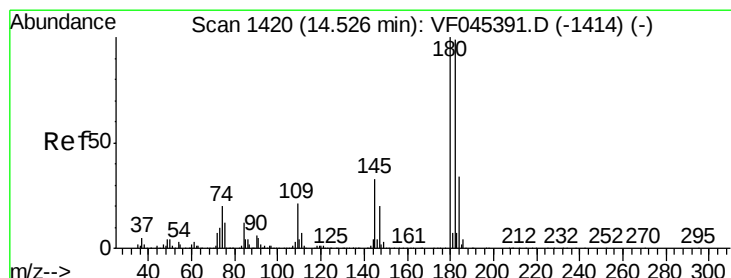
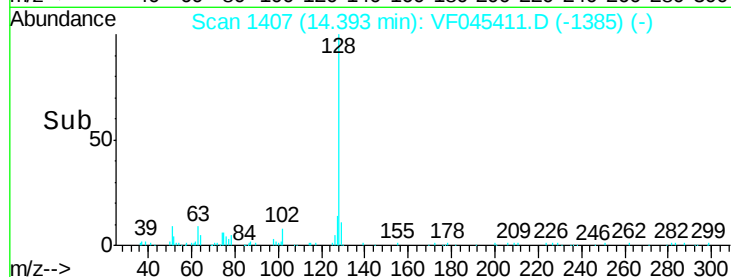
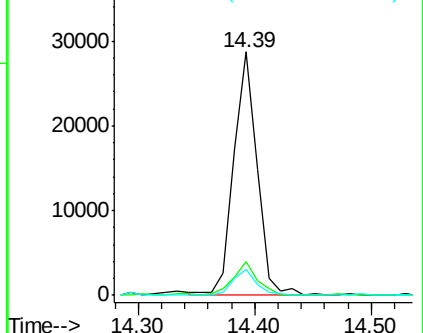
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#95

1,2,3-Trichlorobenzene

Concen: 1.21 ug/l

RT: 14.54 min Scan# 1422

Delta R.T. 0.01 min

Lab File: VF045411.D

Acq: 17 Sep 2015 17:26

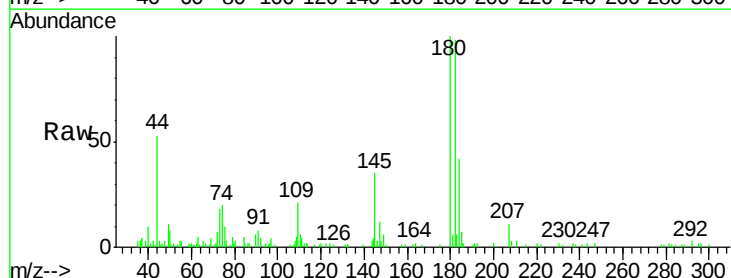
Tgt Ion:180 Resp: 14547

Ion Ratio Lower Upper

180 100

182 98.5 47.6 142.8

145 35.5 14.5 43.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

