

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 01:20:47 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

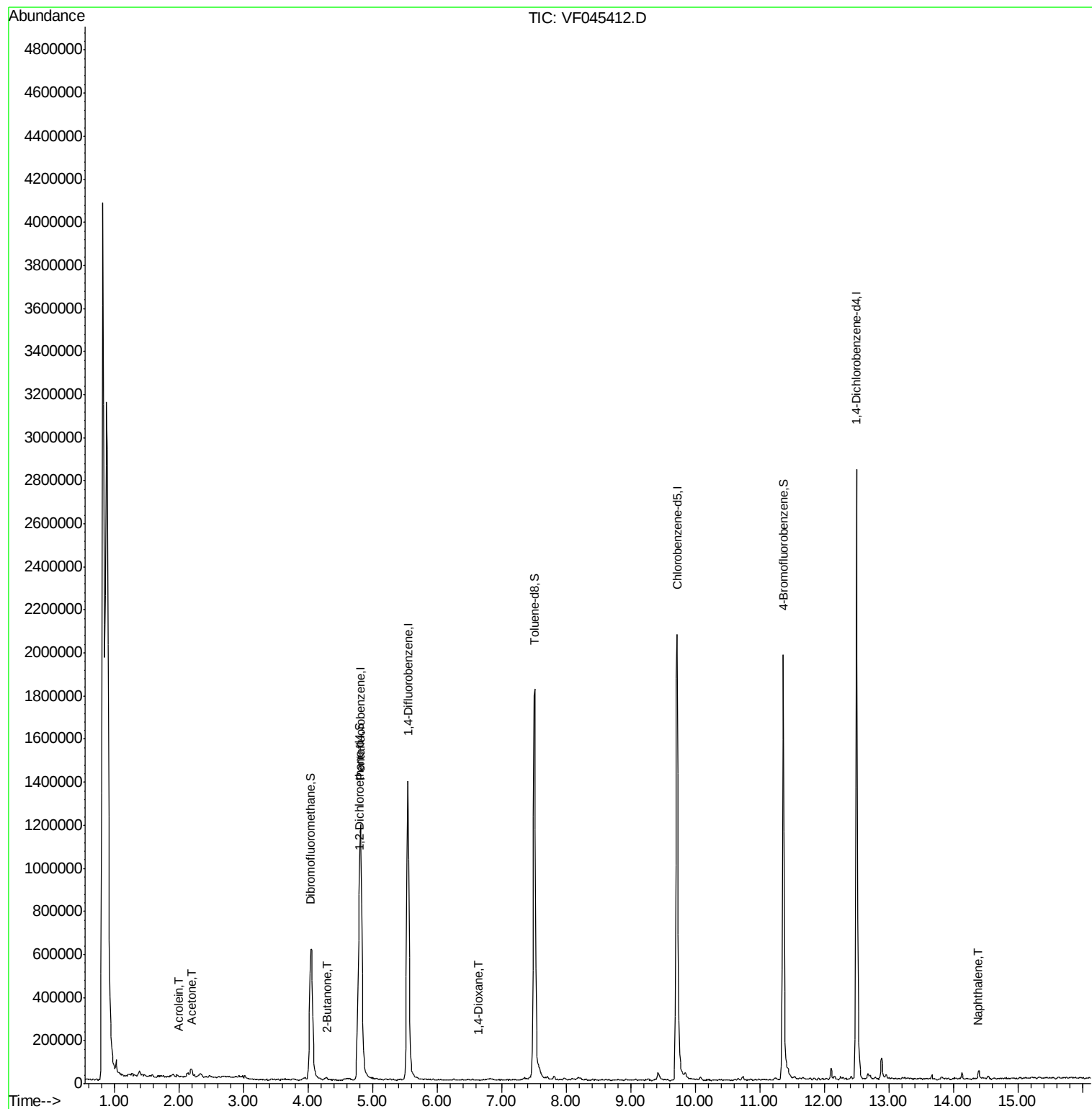
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1144320	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	1736667	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1631052	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.50	152	806624	50.00	ug/l	0.01
System Monitoring 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						
13) Acrolein	2.01	56	889	1.55	ug/l	Qvalue 85
16) Acetone	2.18	43	71956	25.79	ug/l	93
20) Methylene Chloride	2.14	84	10221	Below Cal	#	52
25) 2-Butanone	4.28	43	20937	5.37	ug/l	92
48) 1,4-Dioxane	6.66	88	177	2.22	ug/l	# 19
94) Naphthalene	14.39	128	28247	2.72	ug/l	96

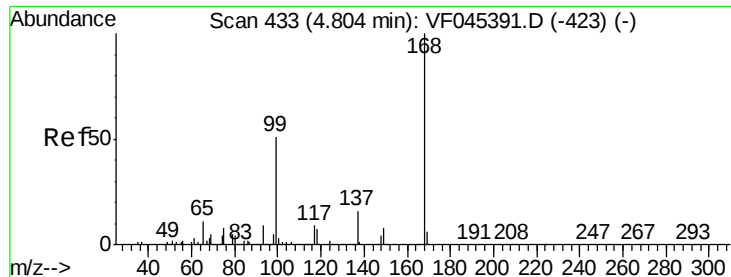
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Instrument :

MSVOA_F

ClientSampleId :

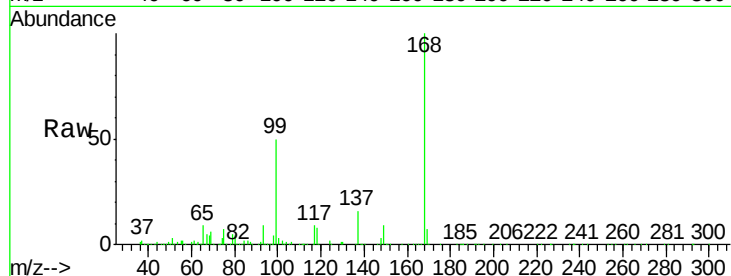
MGP209BR-15-17

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

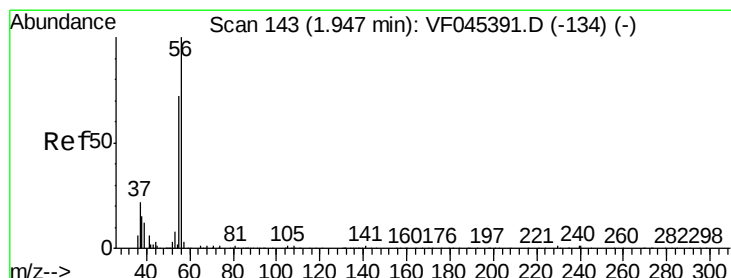
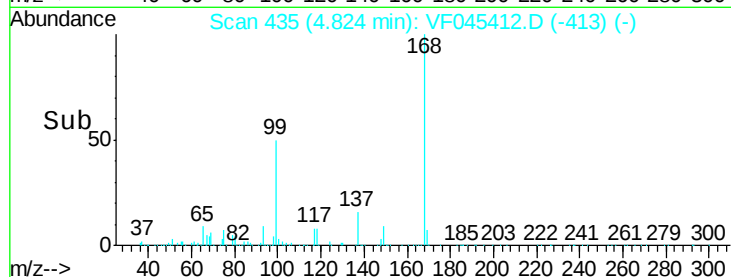
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#13

Acrolein

Concen: 1.55 ug/l

RT: 2.01 min Scan# 149

Delta R.T. 0.06 min

Lab File: VF045412.D

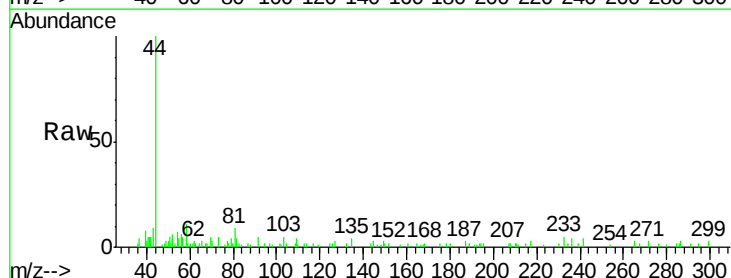
Acq: 17 Sep 2015 17:55

Tgt Ion: 56 Resp: 889

Ion Ratio Lower Upper

56 100

55 62.4 60.5 90.7



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

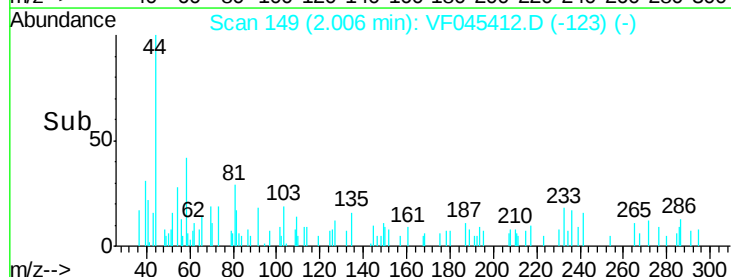
1500

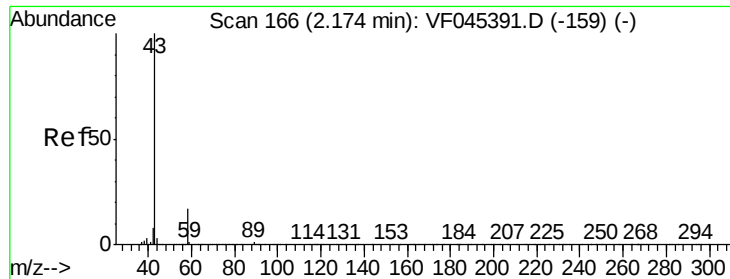
1000

500

0

Time--> 1.96 1.98 2.00 2.02 2.04





#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

Instrument :

MSVOA_F

ClientSampleId :

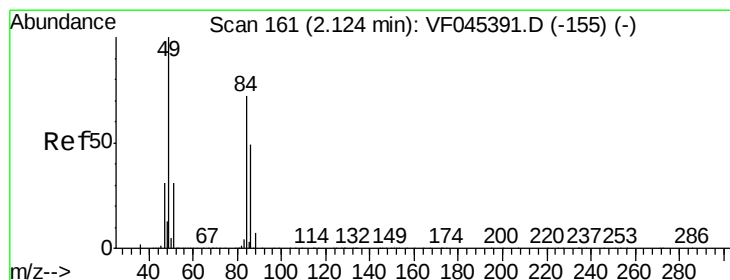
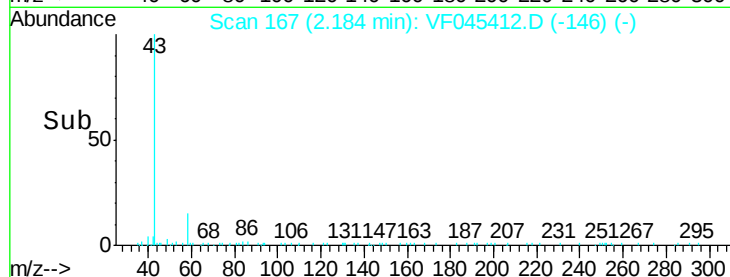
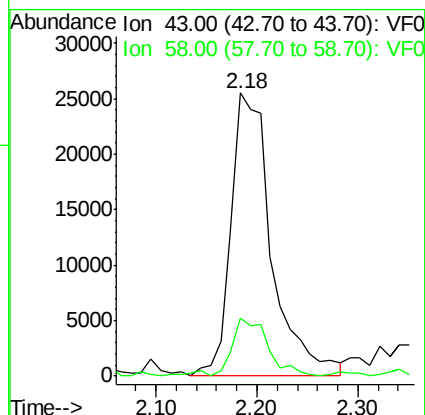
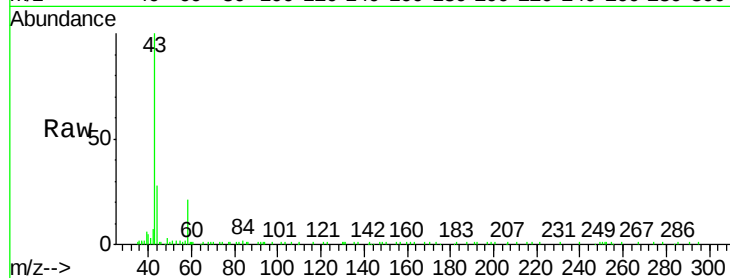
MGP209BR-15-17

Tot Ion: 43 Resp: 71956

Ion Ratio Lower Upper

43 100

58 20.6 13.9 20.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.14 min Scan# 163

Delta R.T. 0.02 min

Lab File: VF045412.D

Acq: 17 Sep 2015 17:55

Tgt Ion: 84 Resp: 10221

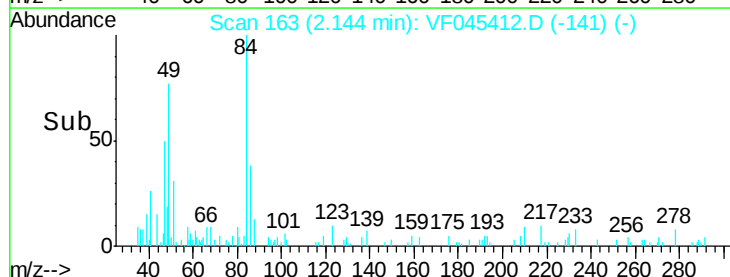
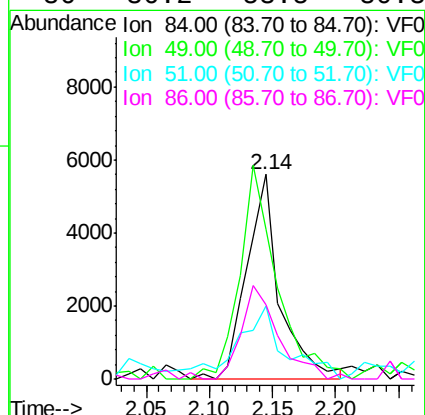
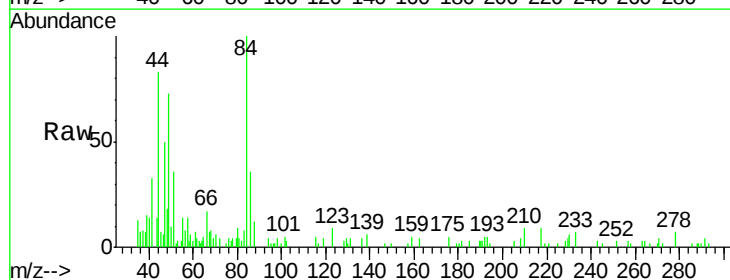
Ion Ratio Lower Upper

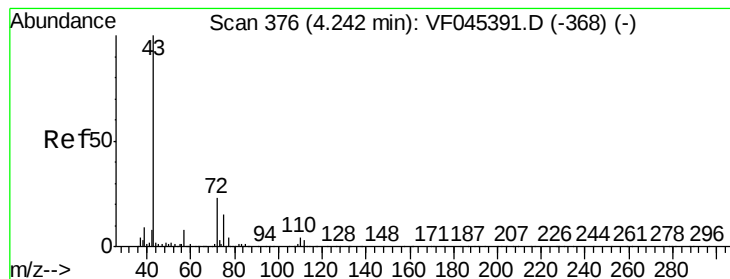
84 100

49 73.5 122.8 184.2#

51 35.8 35.4 53.2

86 36.2 53.5 80.3#





#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 :

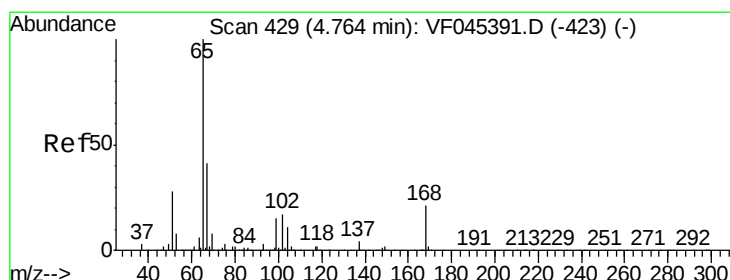
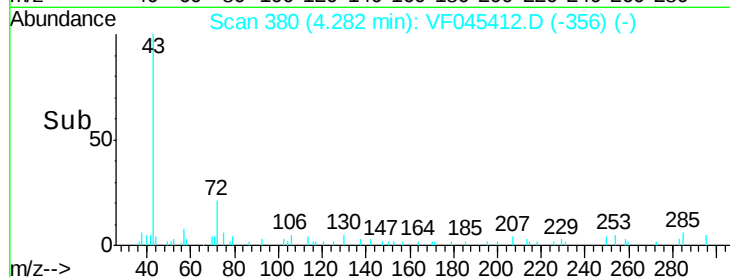
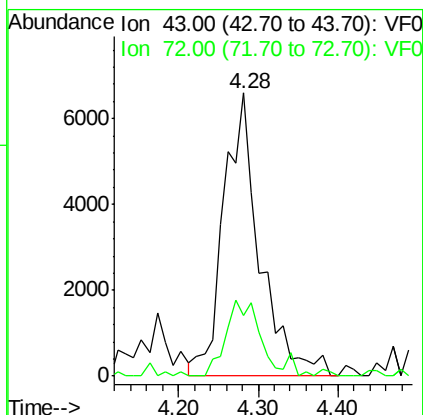
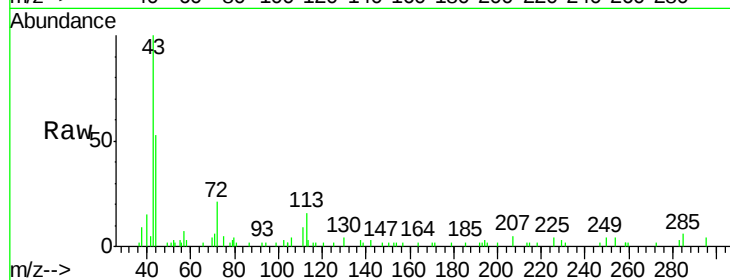
MGP209BR-15-17

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

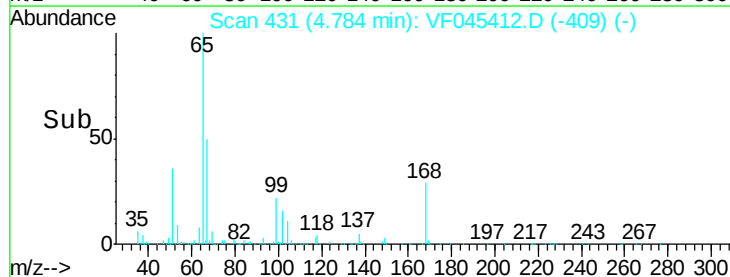
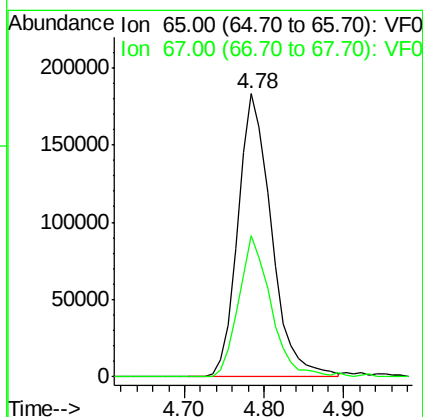
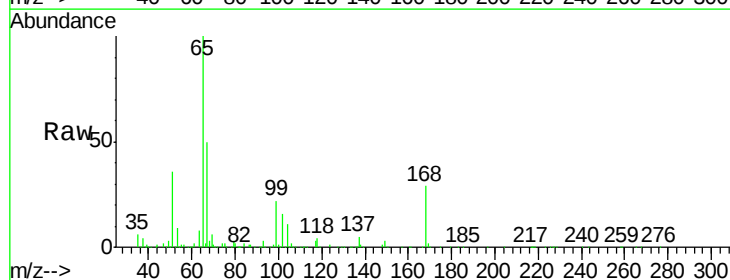
Acq: 17 Sep 2015 17:55

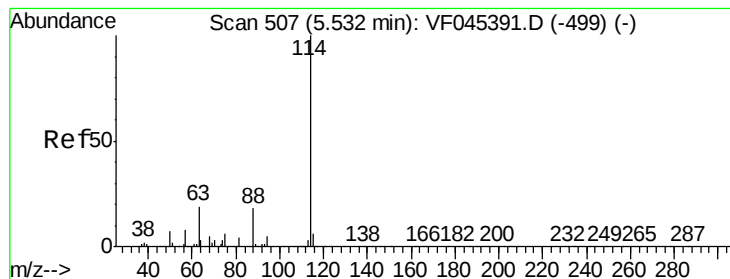
Tgt Ion: 65 Resp: 530812

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

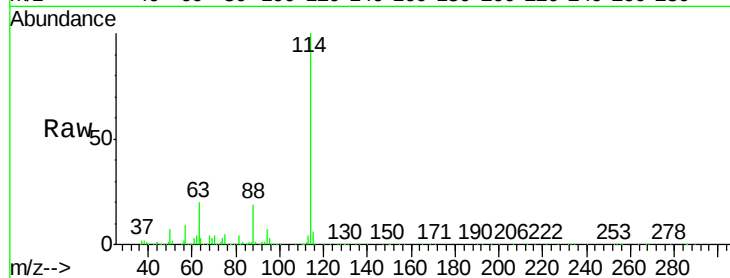
Tot Ion:114 Resp: 1736667

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 18.5 0.0 37.0



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

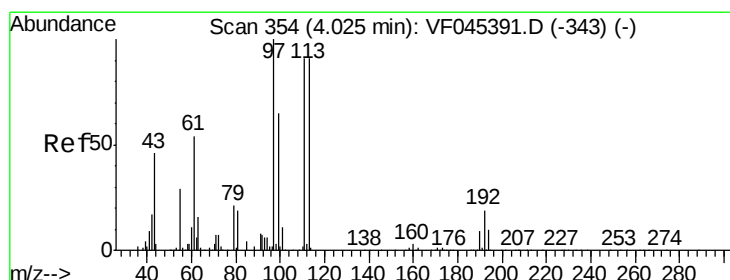
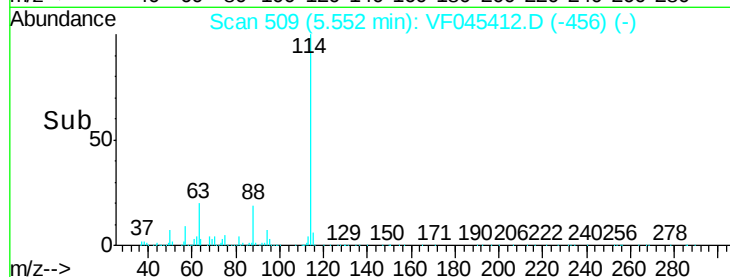
5.55

400000

200000

0

Time-->



#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

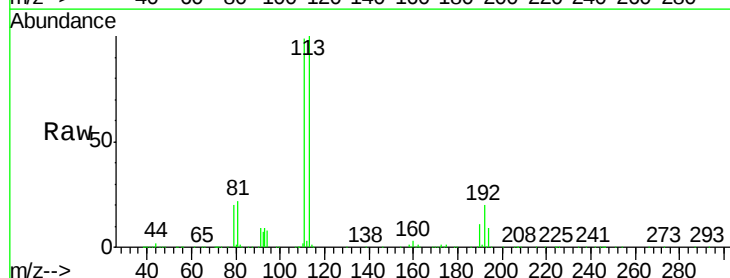
Tgt Ion:113 Resp: 612135

Ion Ratio Lower Upper

113 100

111 98.8 75.5 113.3

192 20.1 15.6 23.4



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.05

250000

200000

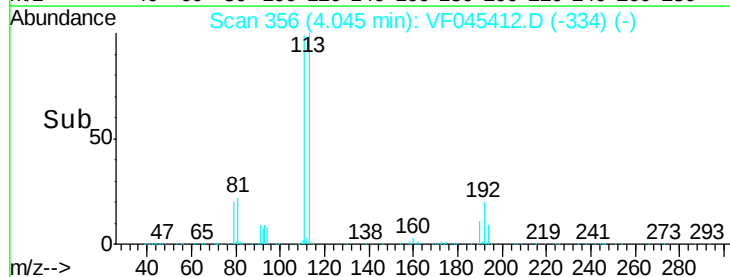
150000

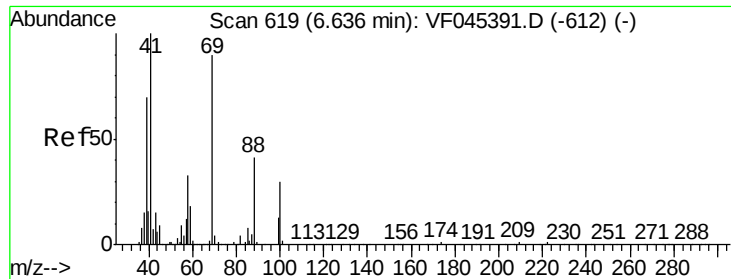
100000

50000

0

Time-->

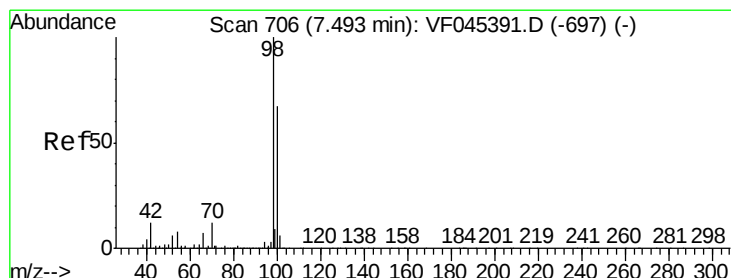
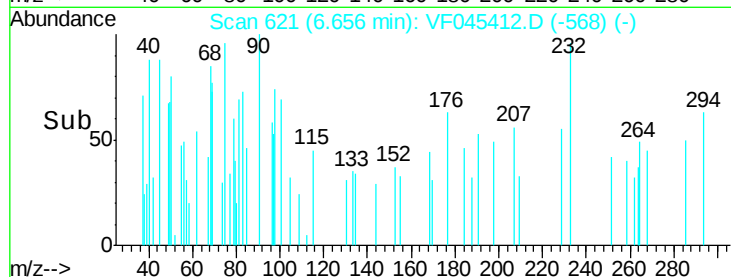
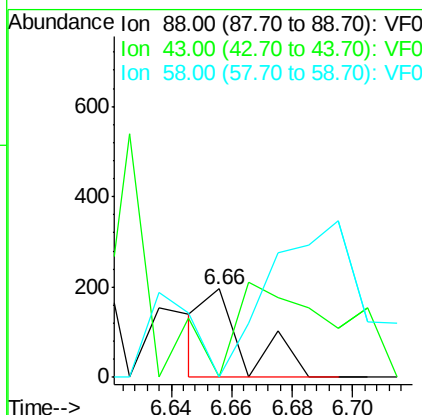
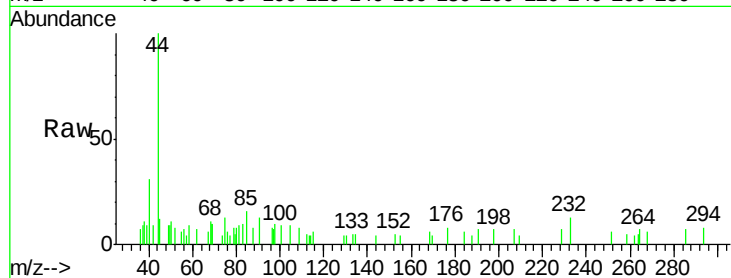




#48
1,4-Dioxane
Concen: 2.22 ug/l
RT: 6.66 min Scan# 621
Delta R.T. 0.02 min
Lab File: VF045412.D
Acq: 17 Sep 2015 17:55

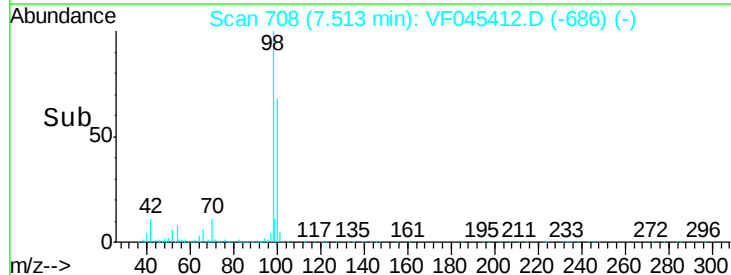
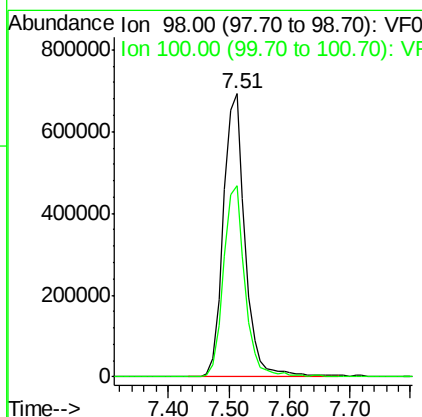
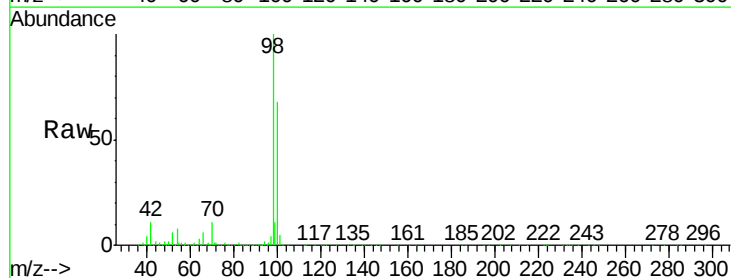
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-15-17

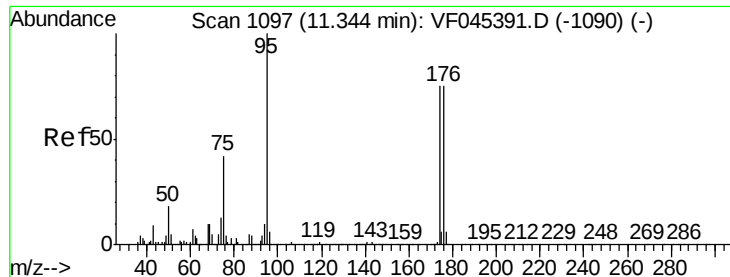
Tot Ion: 88 Resp: 177
Ion Ratio Lower Upper
88 100
43 0.0 34.5 51.7#
58 125.5 46.5 69.7#



#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

Tgt 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

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-15-17

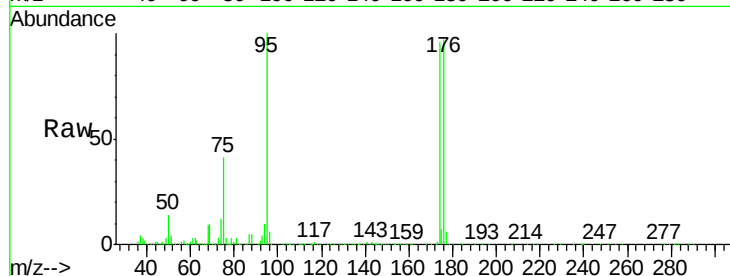
Tot Ion: 95 Resp: 772620

Ion Ratio Lower Upper

95 100

174 95.6 0.0 177.8

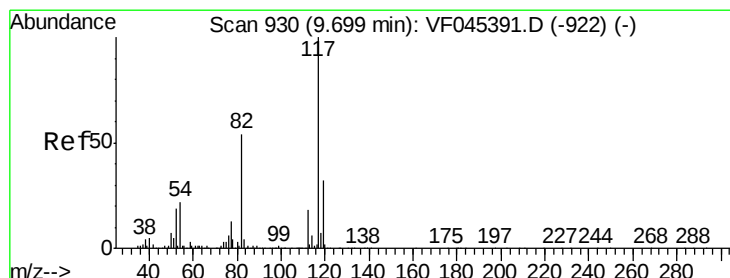
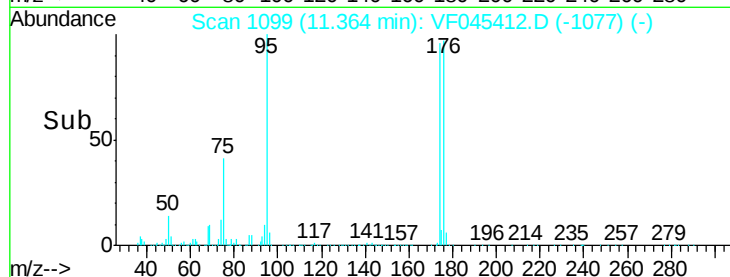
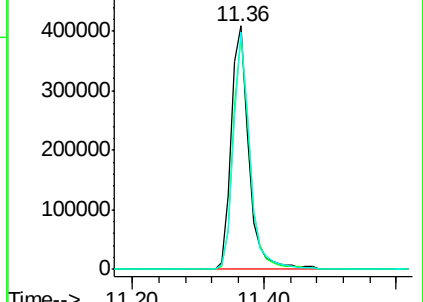
176 97.5 0.0 176.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#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

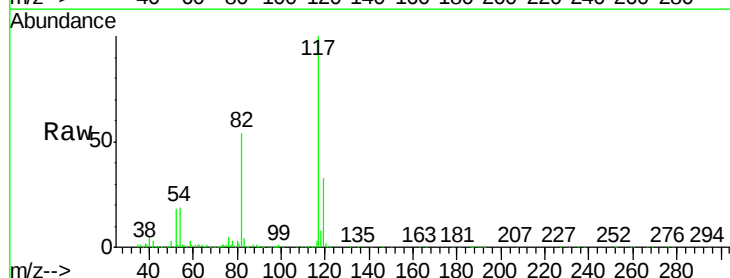
Tgt Ion: 117 Resp: 1631052

Ion Ratio Lower Upper

117 100

82 53.7 45.0 67.6

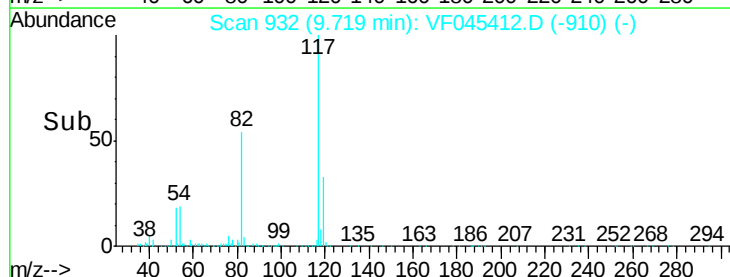
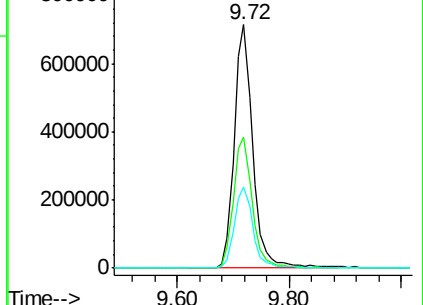
119 33.4 26.2 39.4

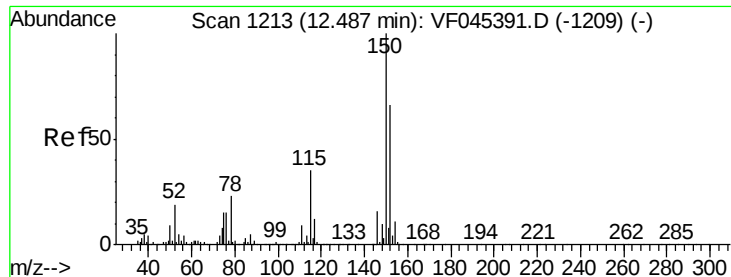


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



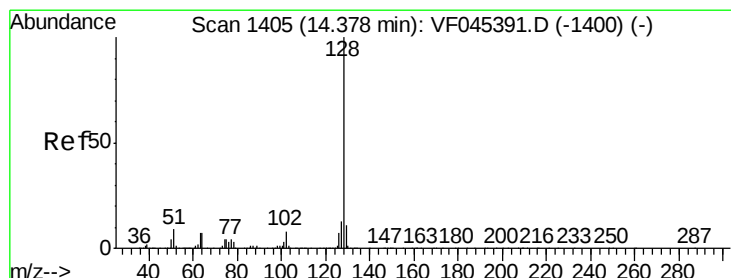
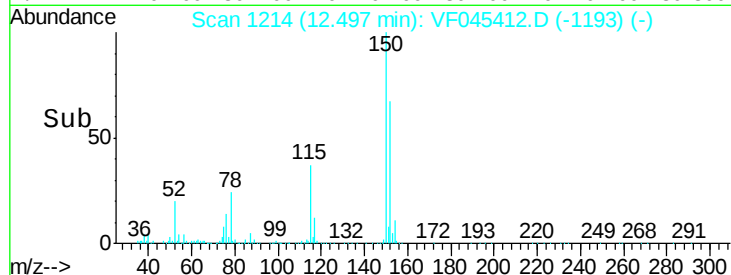
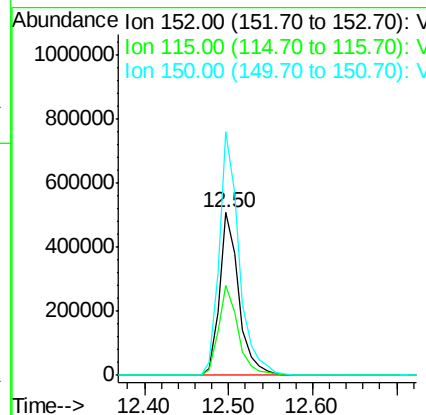
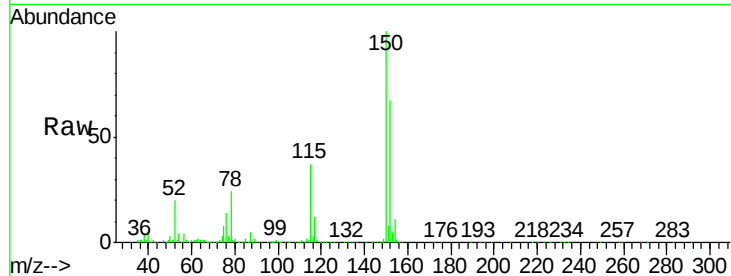


#71

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

Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-15-17

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.3	85.0
150	149.7	0.0	324.2



#94

Naphthalene
Concen: 2.72 ug/l
RT: 14.39 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VF045412.D
Acq: 17 Sep 2015 17:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.1	9.8	14.8
129	11.8	8.8	13.2

