

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045408.D
 Acq On : 17 Sep 2015 16:01
 Operator : FY/SY
 Sample : G3708-03
 Misc : 9.79g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30

Quant Time: Sep 18 01:18:45 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	4.83	168	371536	50.00	ug/l	0.02
33) 1,4-Difluorobenzene	5.55	114	501046	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	457097	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	240319	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	121902	30.55	ug/l	0.02
Spiked Amount			Recovery	=	61.10%	
34) Dibromofluoromethane	4.06	113	145647	37.53	ug/l	0.03
Spiked Amount			Recovery	=	75.06%	
49) Toluene-d8	7.51	98	484656	42.39	ug/l	0.01
Spiked Amount			Recovery	=	84.78%	
61) 4-Bromofluorobenzene	11.36	95	201627	36.68	ug/l	0.01
Spiked Amount			Recovery	=	73.36%	

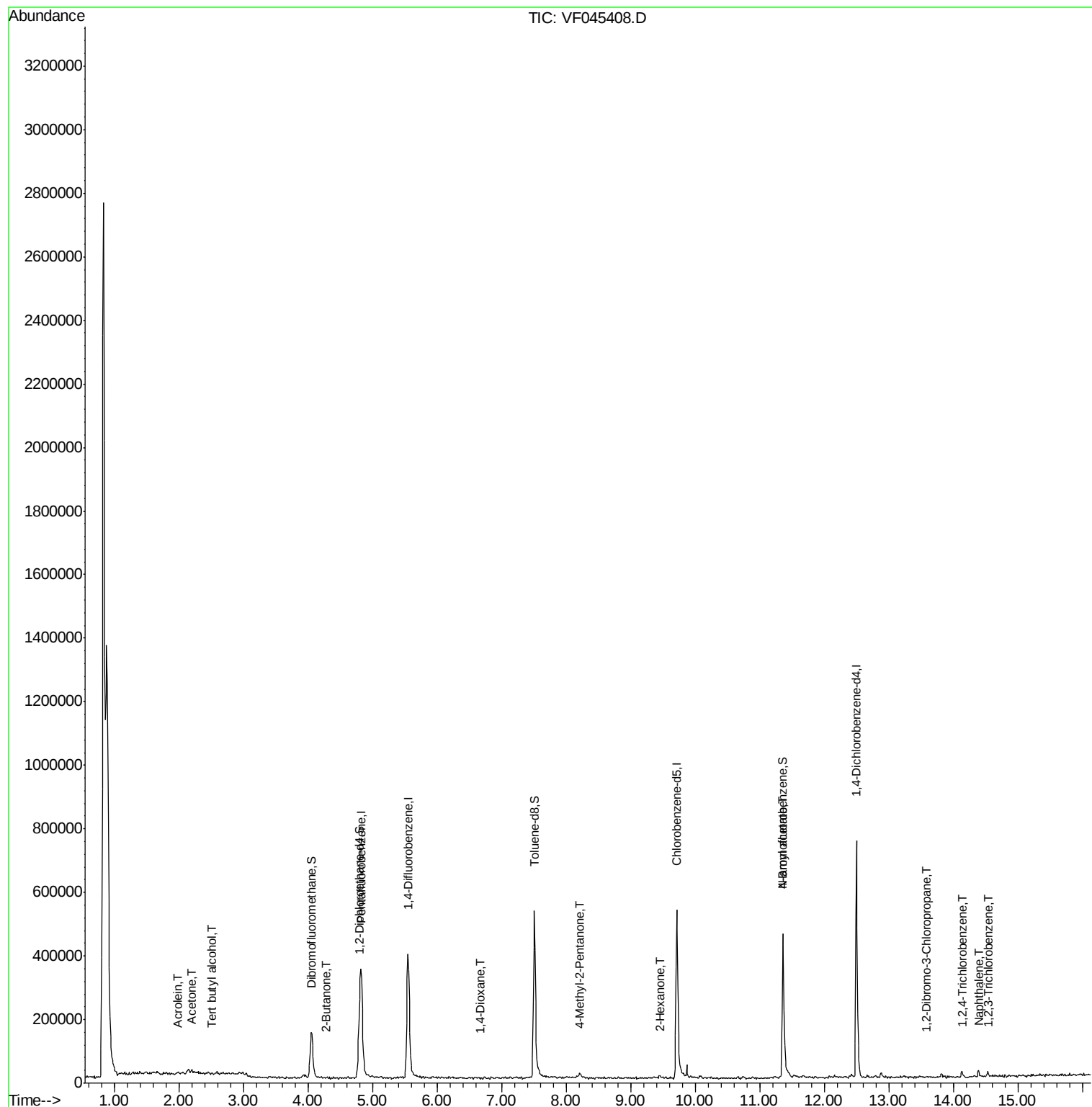
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.50	59	60	1.34	ug/l #	1
13) Acrolein	1.99	56	2140	11.52	ug/l	91
16) Acetone	2.20	43	15065	16.63	ug/l #	86
20) Methylene Chloride	2.15	84	4973	Below Cal	#	77
25) 2-Butanone	4.28	43	3418	2.70	ug/l	94
48) 1,4-Dioxane	6.67	88	411	17.84	ug/l #	68
50) 4-Methyl-2-Pentanone	8.22	43	10702	4.75	ug/l	88
58) 2-Hexanone	9.47	43	8386	4.68	ug/l #	51
73) N-amyl acetate	11.35	43	4829	1.08	ug/l #	43
91) 1,2-Dibromo-3-Chloropropan	13.59	75	557	1.15	ug/l #	34
92) 1,2,4-Trichlorobenzene	14.15	180	4182	1.01	ug/l #	68
94) Naphthalene	14.39	128	14056	3.42	ug/l	99
95) 1,2,3-Trichlorobenzene	14.54	180	3773	1.11	ug/l	84

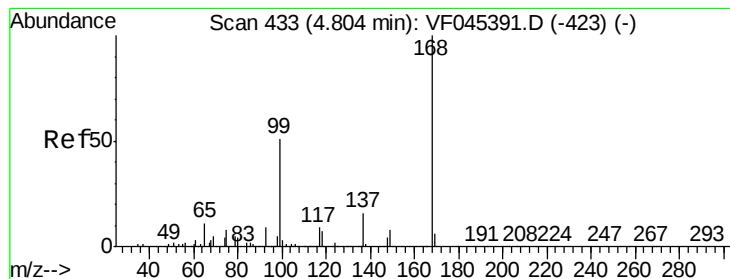
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

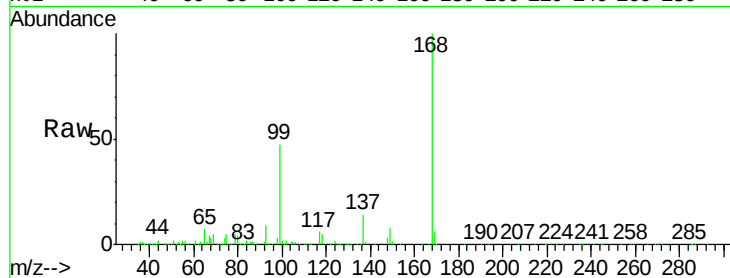
MGP209BR-29-30

Tot Ion:168 Resp: 371536

Ion Ratio Lower Upper

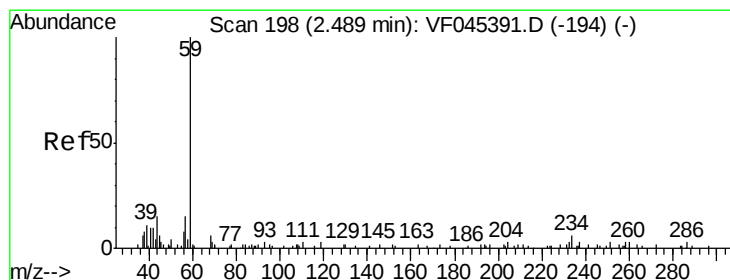
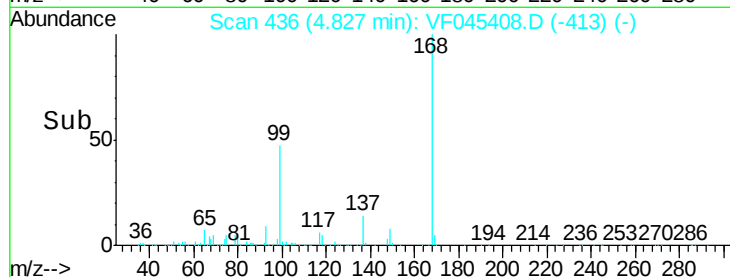
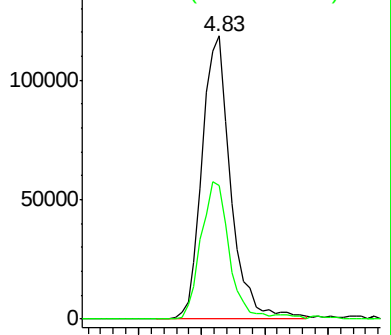
168 100

99 47.1 39.0 58.4



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 1.34 ug/l

RT: 2.50 min Scan# 200

Delta R.T. 0.01 min

Lab File: VF045408.D

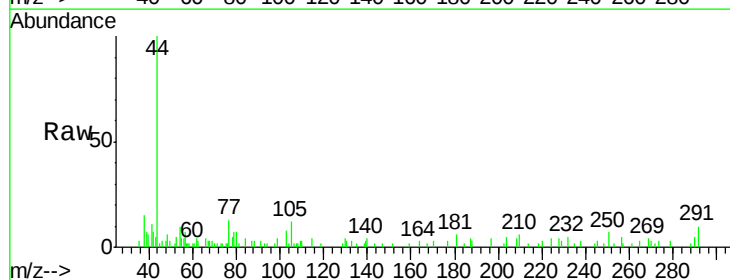
Acq: 17 Sep 2015 16:01

Tgt Ion: 59 Resp: 60

Ion Ratio Lower Upper

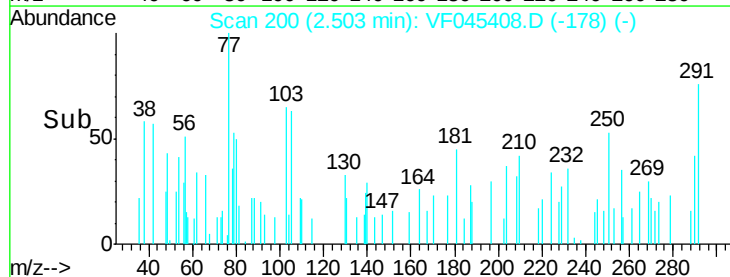
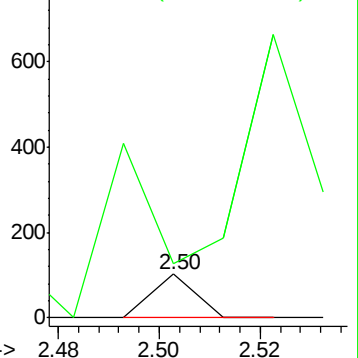
59 100

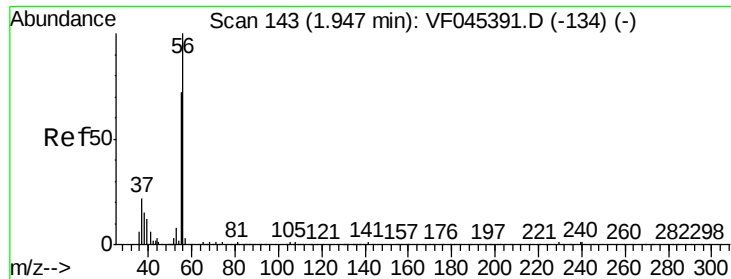
57 124.5 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

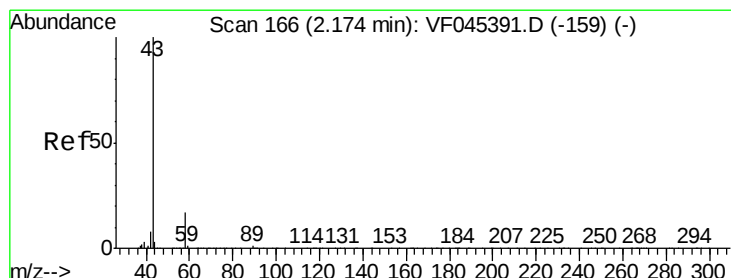
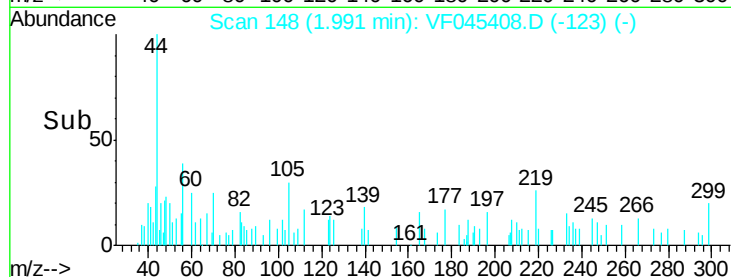
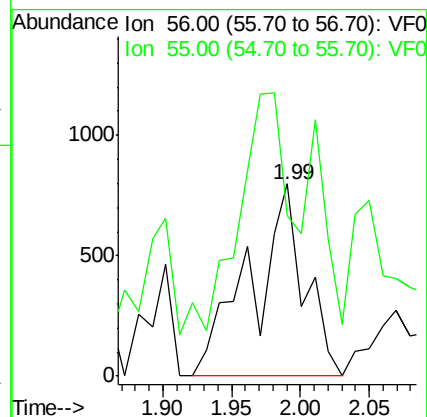
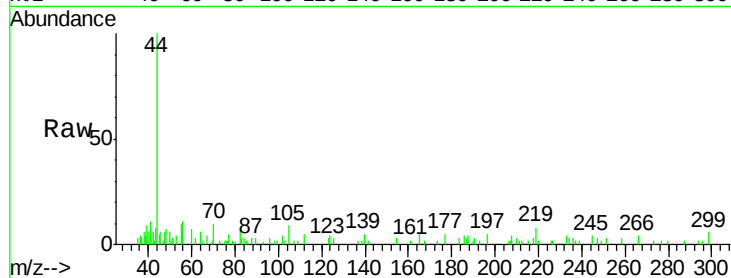




#13
Acrolein
Concen: 11.52 ug/l
RT: 1.99 min Scan# 148
Delta R.T. 0.04 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

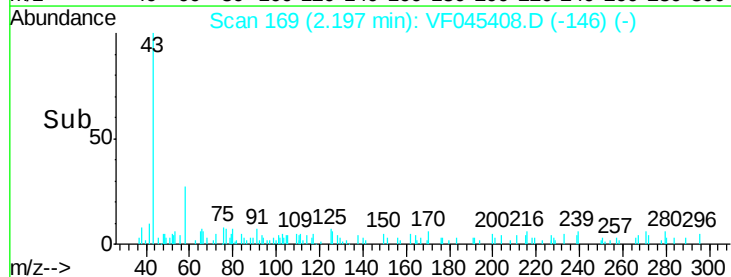
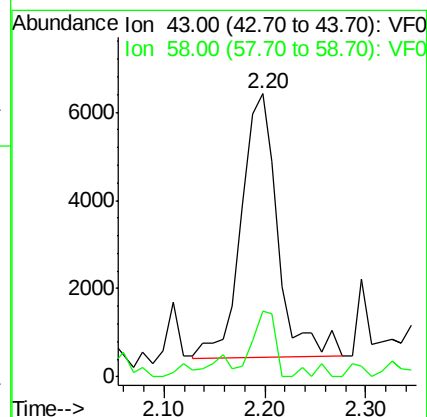
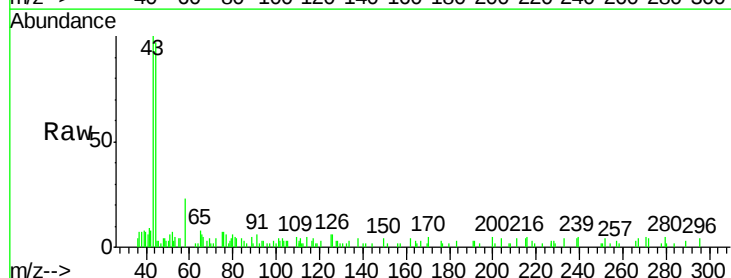
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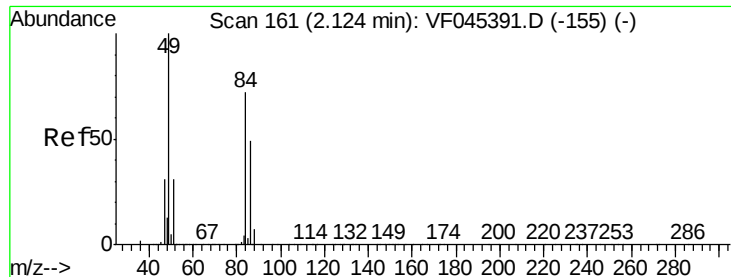
Tot Ion: 56 Resp: 2140
Ion Ratio Lower Upper
56 100
55 83.6 60.5 90.7



#16
Acetone
Concen: 16.63 ug/l
RT: 2.20 min Scan# 169
Delta R.T. 0.02 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

Tgt Ion: 43 Resp: 15065
Ion Ratio Lower Upper
43 100
58 23.4 13.9 20.9#

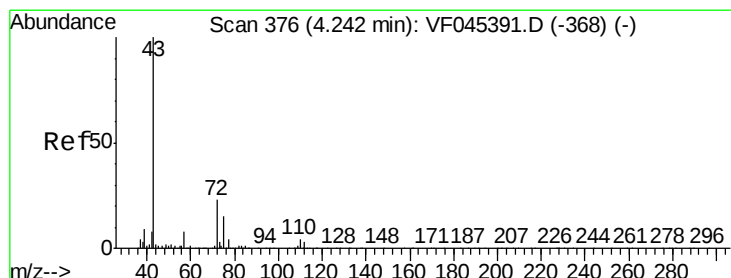
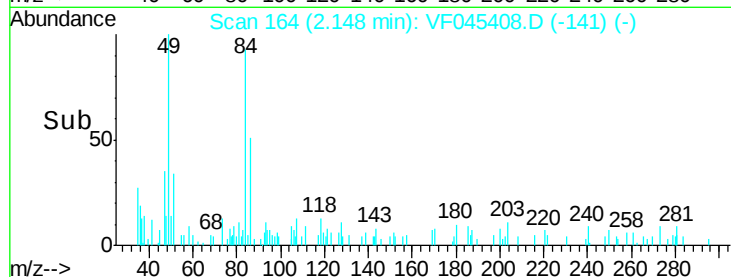
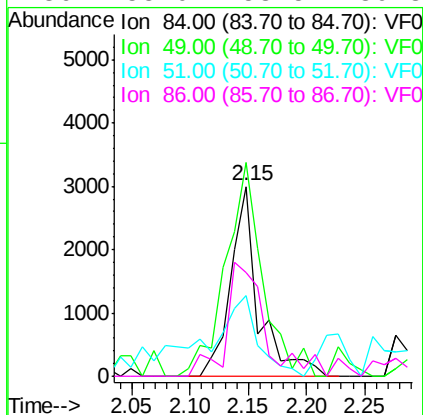
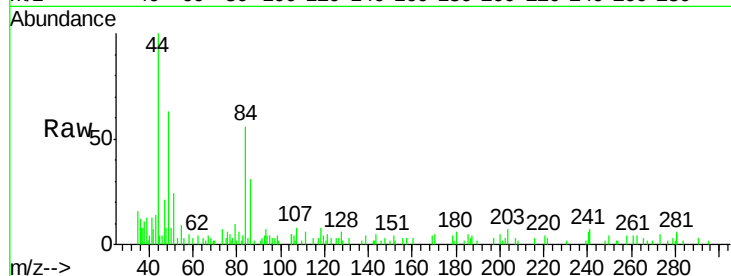




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.15 min Scan# 164
Delta R.T. 0.02 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

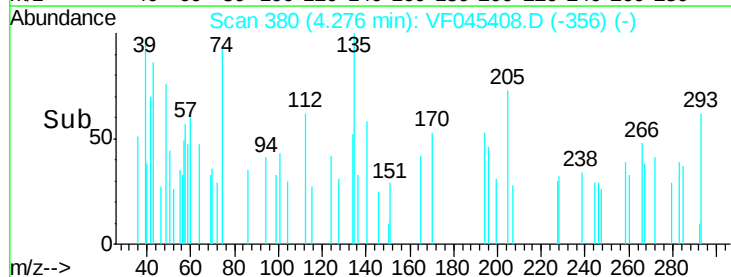
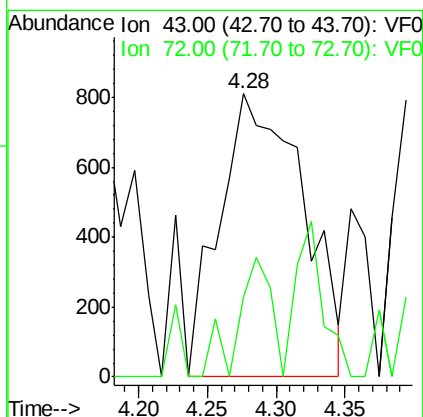
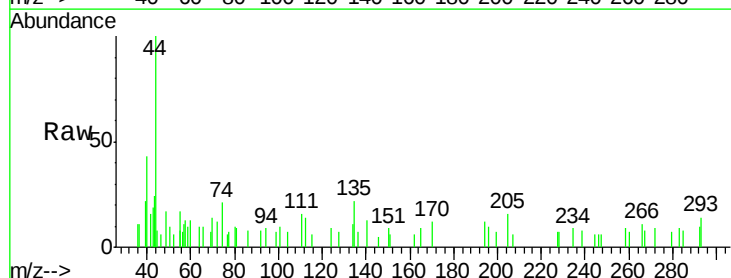
Instrument :
MSVOA_F
ClientSampleId :
MGP209BR-29-30

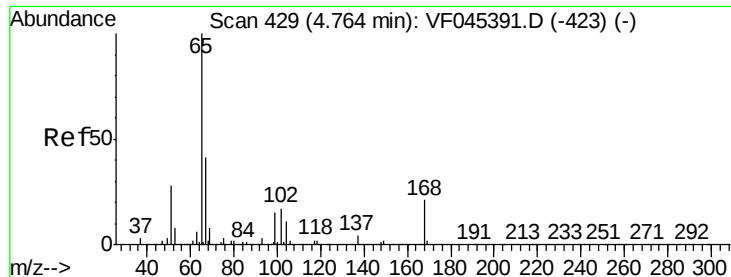
Tot Ion: 84 Resp: 4973
Ion Ratio Lower Upper
84 100
49 112.6 122.8 184.2#
51 42.3 35.4 53.2
86 55.0 53.5 80.3



#25
2-Butanone
Concen: 2.70 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.03 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

Tgt Ion: 43 Resp: 3418
Ion Ratio Lower Upper
43 100
72 28.0 20.2 30.2





#32

1,2-Dichloroethane-d4

Concen: 30.55 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

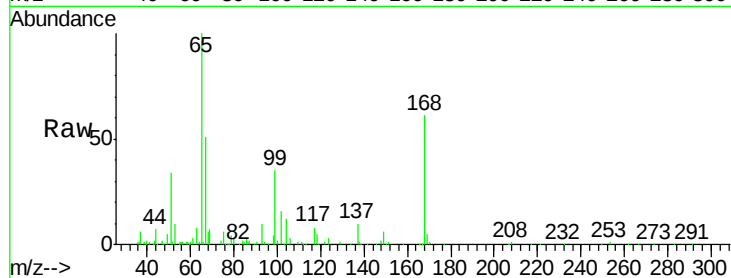
MGP209BR-29-30

Tot Ion: 65 Resp: 121902

Ion Ratio Lower Upper

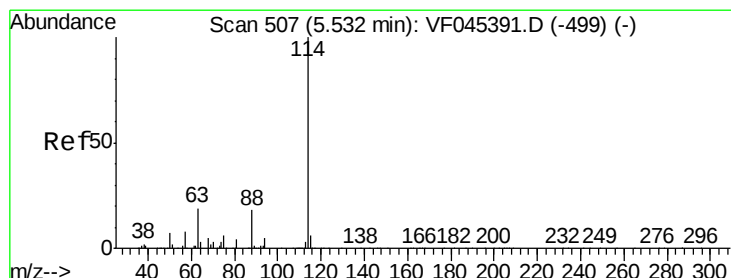
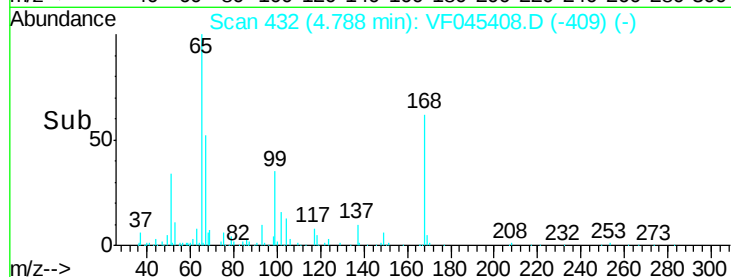
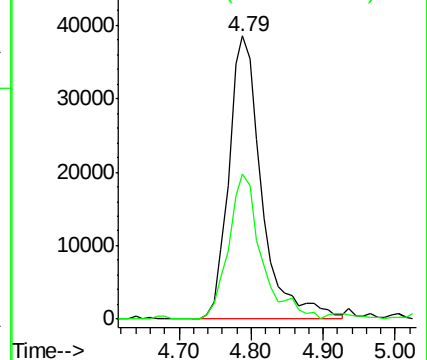
65 100

67 51.2 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: VF045408.D

Acq: 17 Sep 2015 16:01

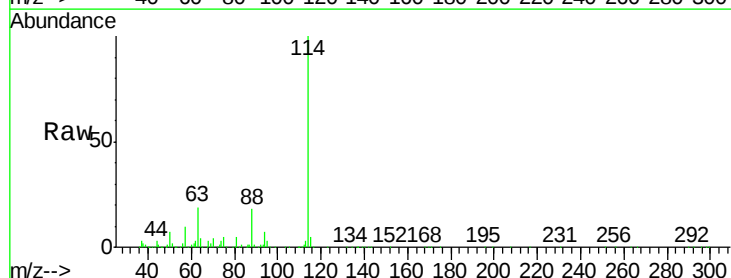
Tgt Ion: 114 Resp: 501046

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

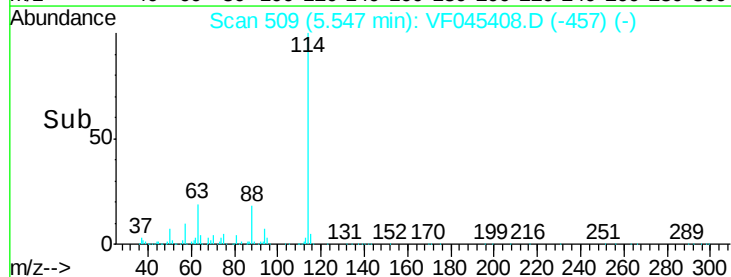
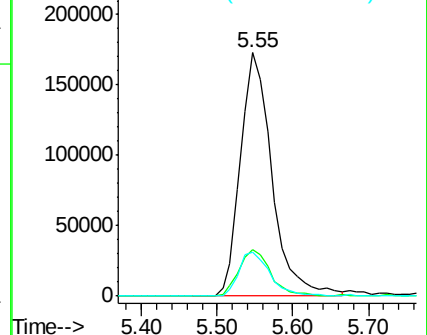
88 18.3 0.0 37.0

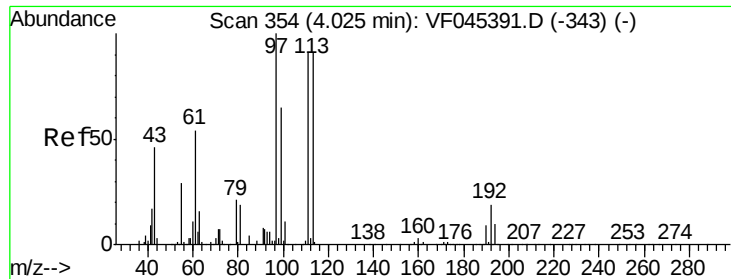


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

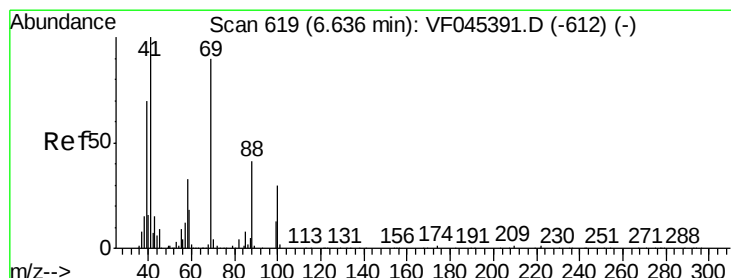
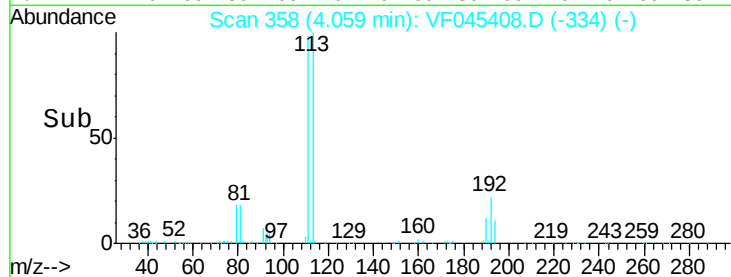
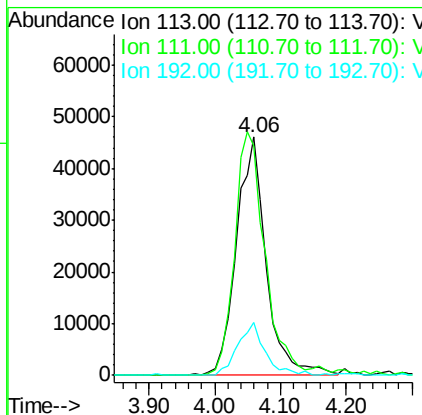
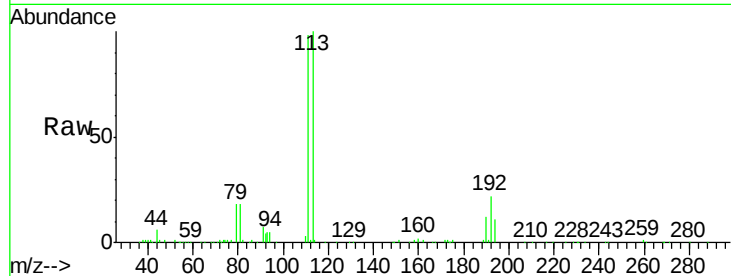




#34
 Dibromofluoromethane
 Concen: 37.53 ug/l
 RT: 4.06 min Scan# 358
 Delta R.T. 0.03 min
 Lab File: VF045408.D
 Acq: 17 Sep 2015 16:01

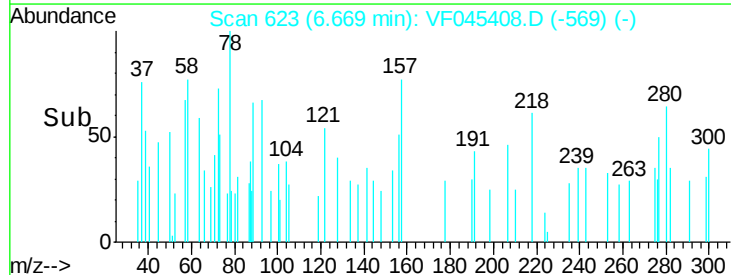
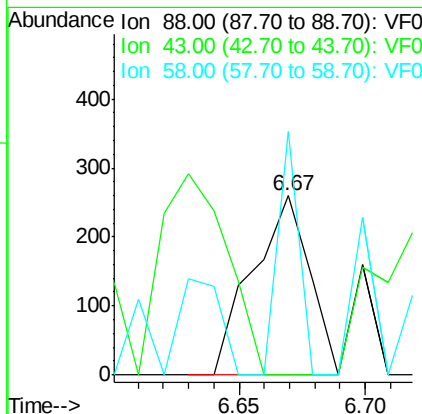
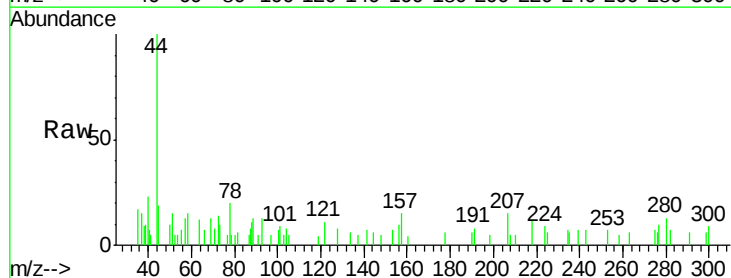
Instrument :
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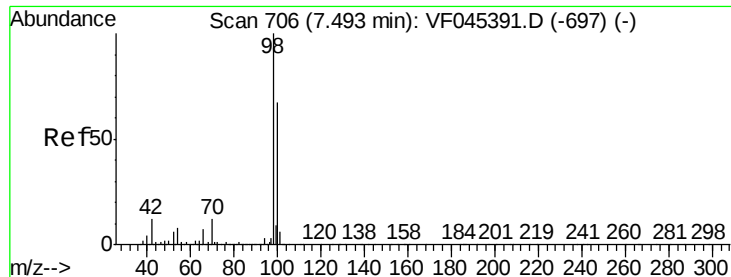
Tot Ion	Ratio	Lower	Upper
113	100		
111	96.7	75.5	113.3
192	22.1	15.6	23.4



#48
 1,4-Dioxane
 Concen: 17.84 ug/l
 RT: 6.67 min Scan# 623
 Delta R.T. 0.03 min
 Lab File: VF045408.D
 Acq: 17 Sep 2015 16:01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	34.5	51.7#
58	62.7	46.5	69.7





#49

Toluene-d8

Concen: 42.39 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

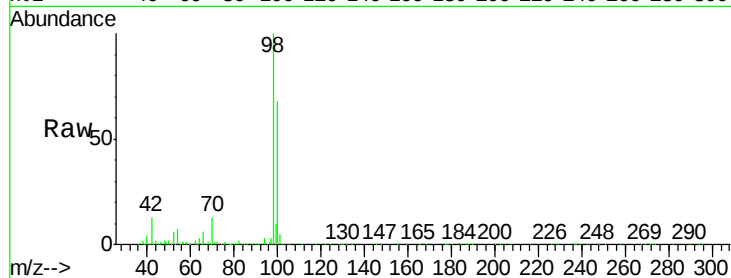
MGP209BR-29-30

Tot Ion: 98 Resp: 484656

Ion Ratio Lower Upper

98 100

100 67.8 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.51

200000

150000

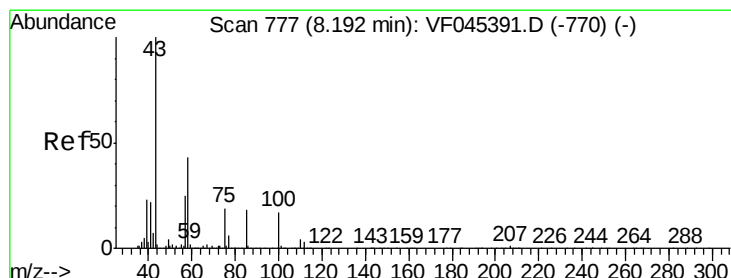
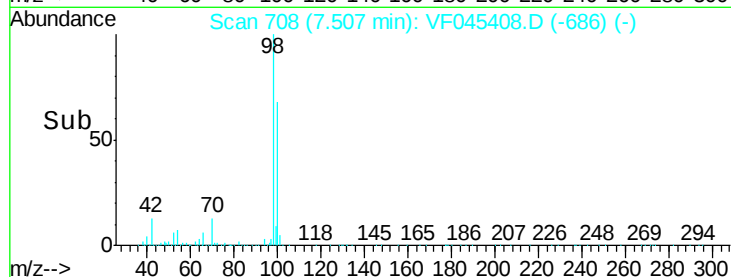
100000

50000

0

Time-->

7.40 7.50 7.60 7.70



#50

4-Methyl-2-Pentanone

Concen: 4.75 ug/l

RT: 8.22 min Scan# 780

Delta R.T. 0.02 min

Lab File: VF045408.D

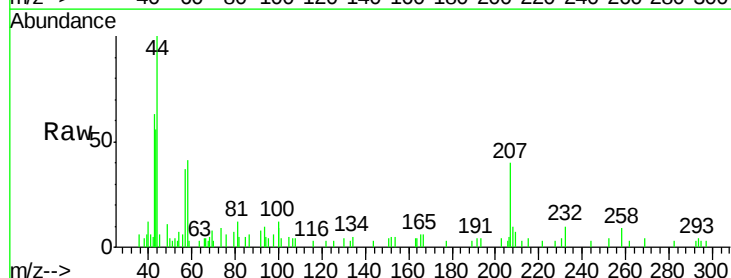
Acq: 17 Sep 2015 16:01

Tgt Ion: 43 Resp: 10702

Ion Ratio Lower Upper

43 100

58 34.6 33.6 50.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.22

5000

4000

3000

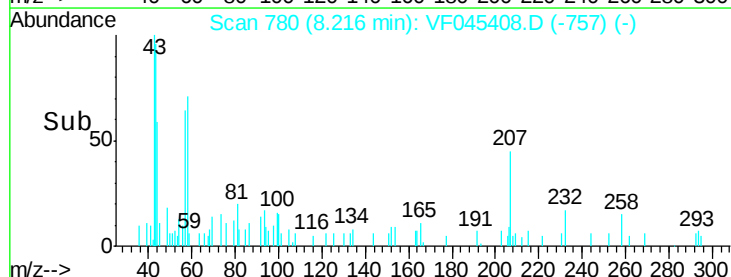
2000

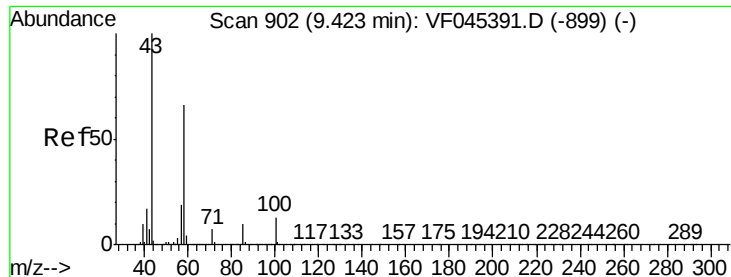
1000

0

Time-->

8.10 8.20 8.30

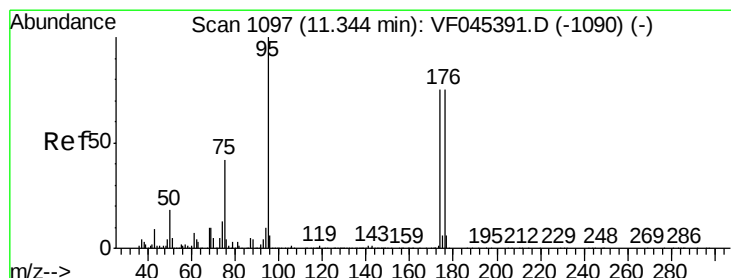
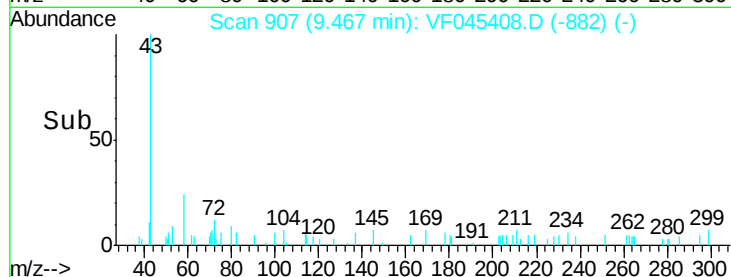
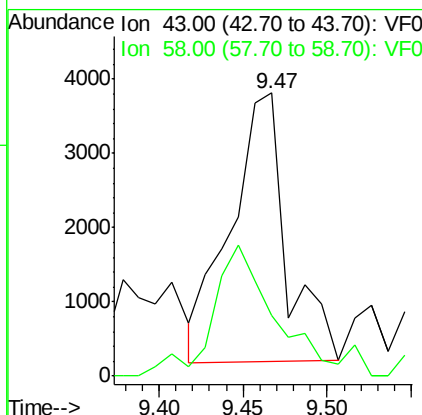
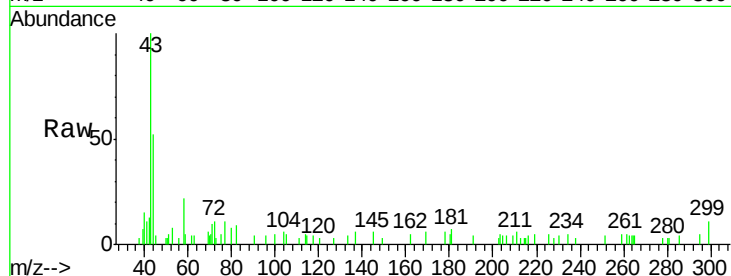




#58
2-Hexanone
Concen: 4.68 ug/l
RT: 9.47 min Scan# 907
Delta R.T. 0.04 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

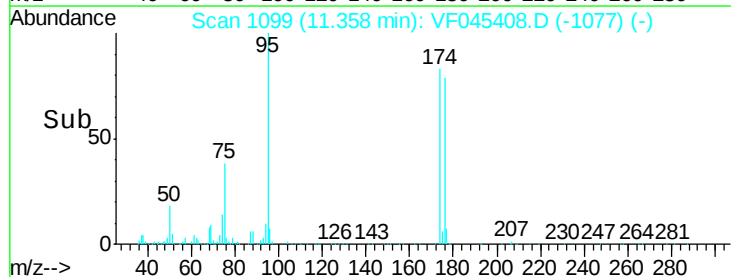
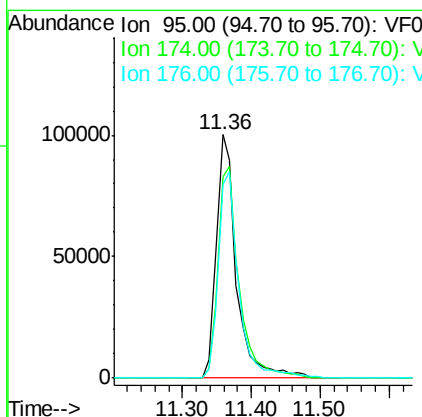
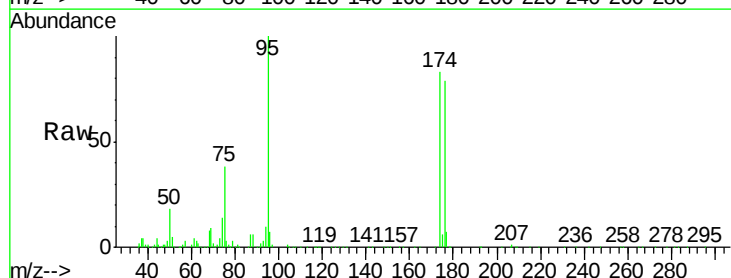
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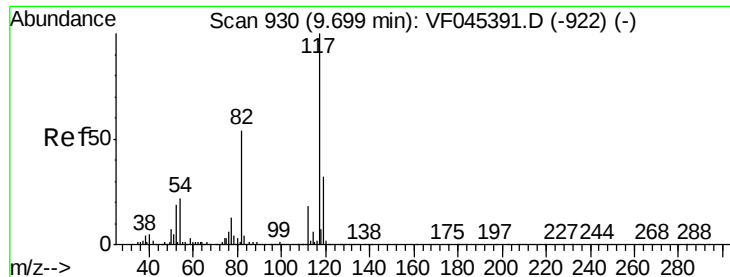
Tot Ion: 43 Resp: 8386
Ion Ratio Lower Upper
43 100
58 21.5 28.8 86.5#



#61
4-Bromofluorobenzene
Concen: 36.68 ug/l
RT: 11.36 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VF045408.D
Acq: 17 Sep 2015 16:01

Tgt Ion: 95 Resp: 201627
Ion Ratio Lower Upper
95 100
174 82.5 0.0 177.8
176 79.3 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: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

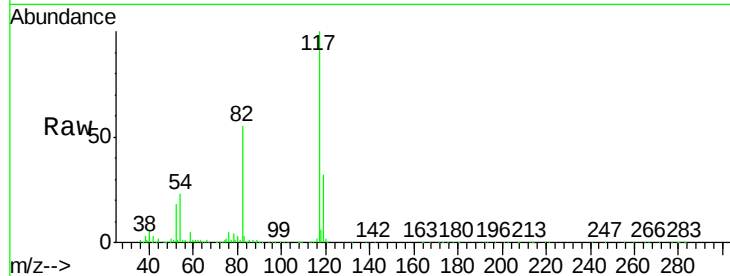
Tot Ion:117 Resp: 457097

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.6

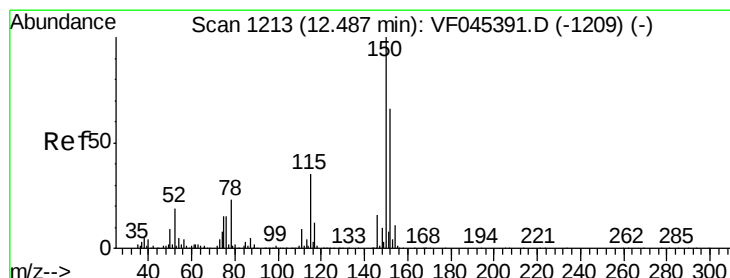
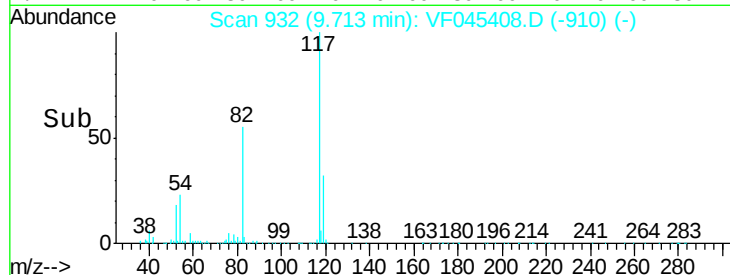
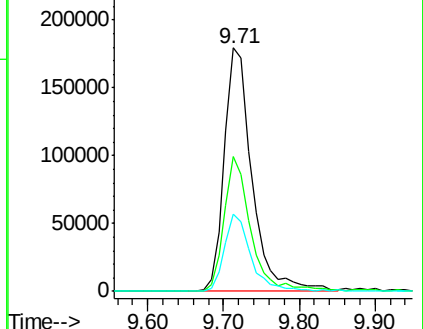
119 31.8 26.2 39.4



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: VF045408.D

Acq: 17 Sep 2015 16:01

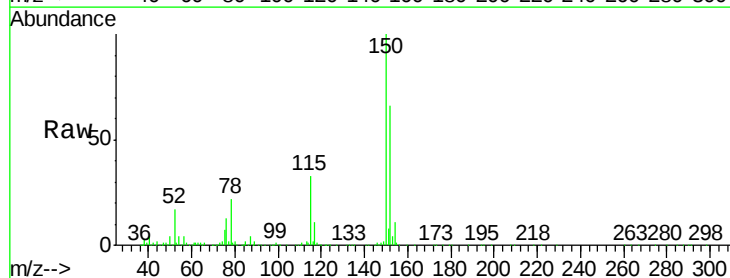
Tgt Ion:152 Resp: 240319

Ion Ratio Lower Upper

152 100

115 50.4 28.3 85.0

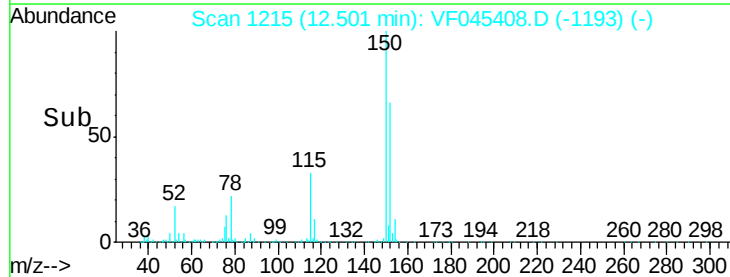
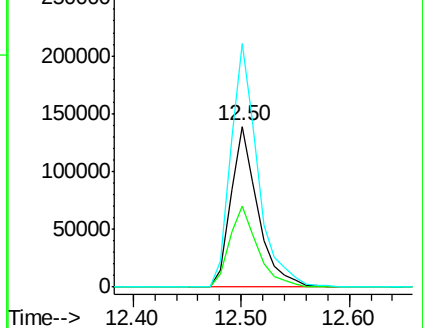
150 151.2 0.0 324.2

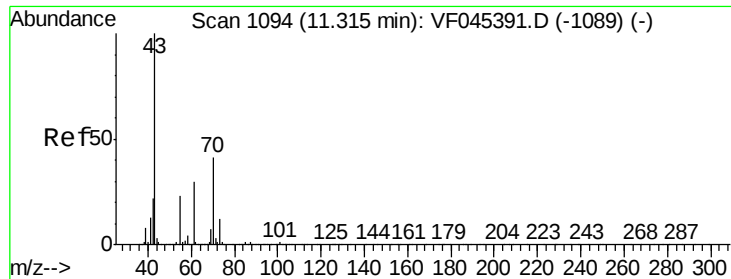


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

N-amvl acetate

Concen: 1.08 ug/l

RT: 11.35 min Scan# 1098

Delta R.T. 0.03 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

Tot Ion: 43 Resp: 4829

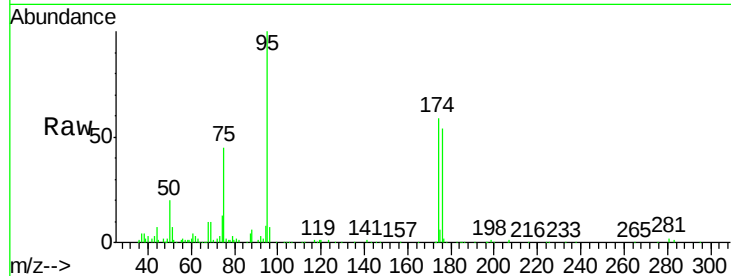
Ion Ratio Lower Upper

43 100

70 38.4 30.0 45.0

55 16.8 16.8 25.2#

61 115.4 20.6 30.8#

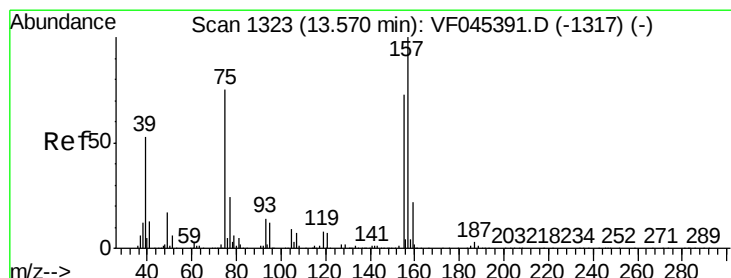
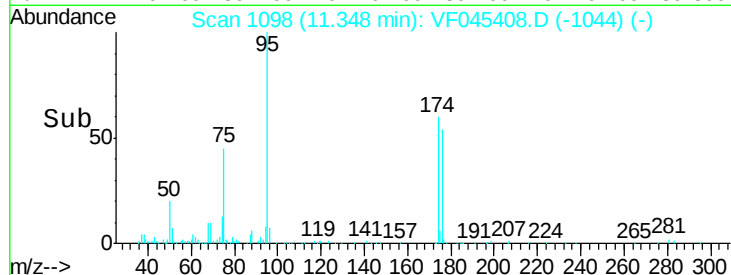
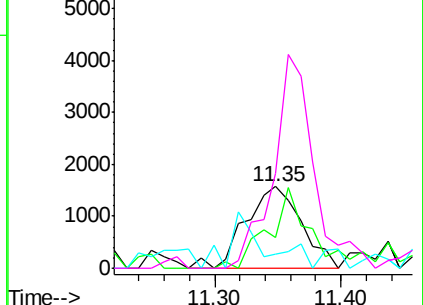


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#91

1,2-Dibromo-3-Chloropropane

Concen: 1.15 ug/l

RT: 13.59 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

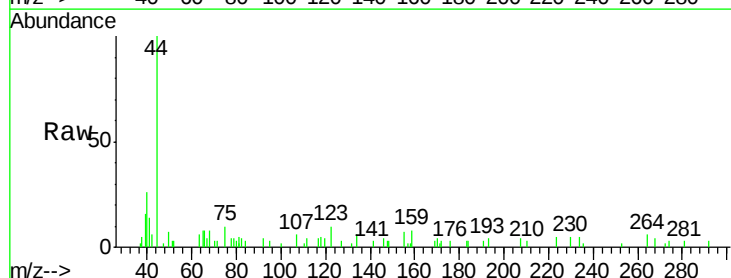
Tgt Ion: 75 Resp: 557

Ion Ratio Lower Upper

75 100

155 68.4 49.2 147.6

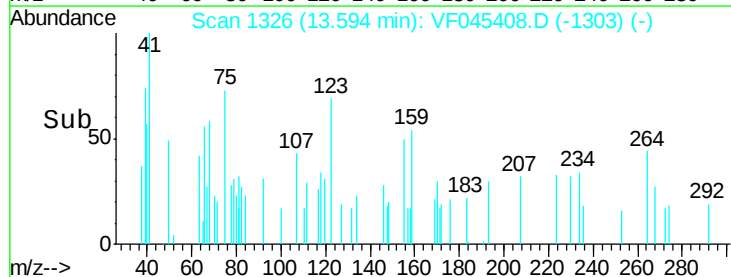
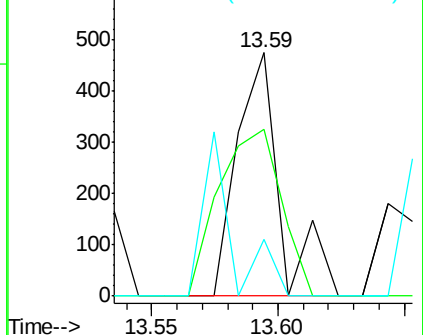
157 23.4 66.8 200.4#

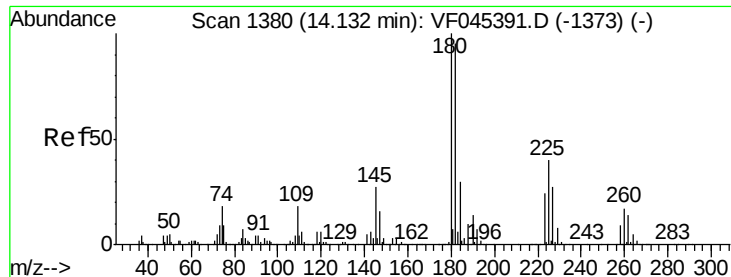


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#92

1,2,4-Trichlorobenzene

Concen: 1.01 ug/l

RT: 14.15 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

Instrument :

MSVOA_F

ClientSampleId :

MGP209BR-29-30

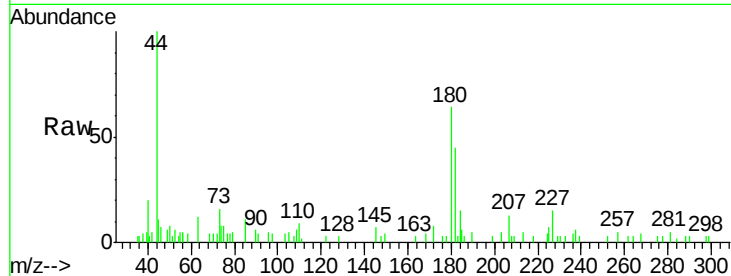
Tot Ion:180 Resp: 4182

Ion Ratio Lower Upper

180 100

182 70.6 49.4 148.0

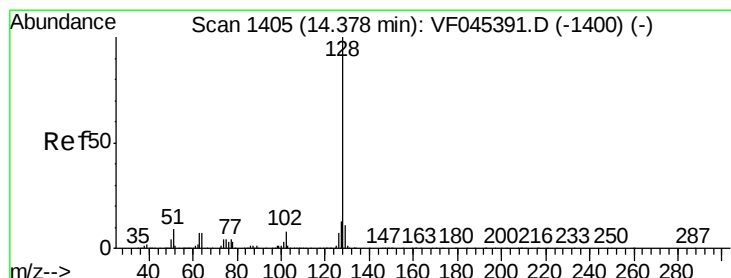
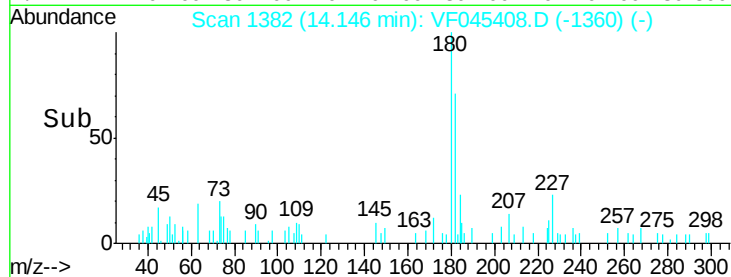
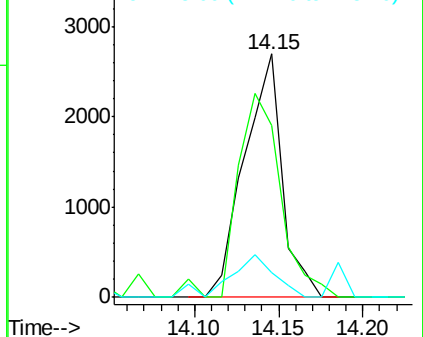
145 10.1 16.7 50.1#



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



#94

Naphthalene

Concen: 3.42 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045408.D

Acq: 17 Sep 2015 16:01

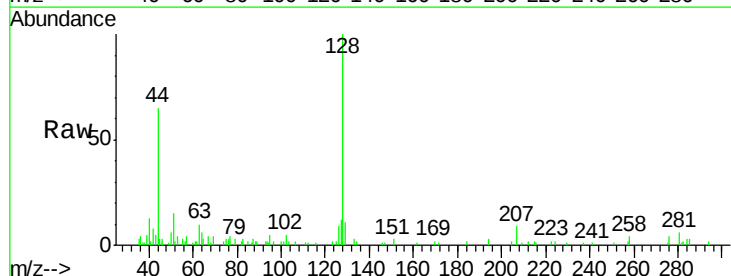
Tgt Ion:128 Resp: 14056

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.8

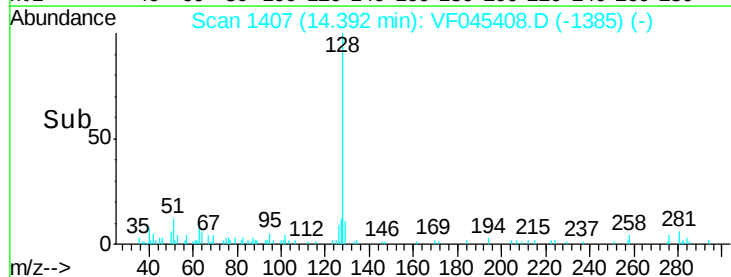
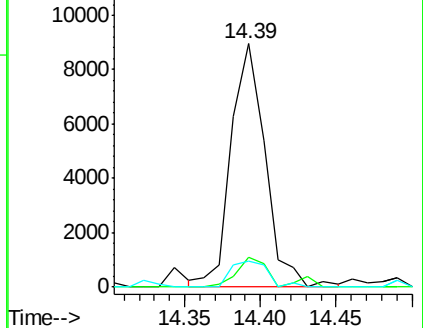
129 10.6 8.8 13.2

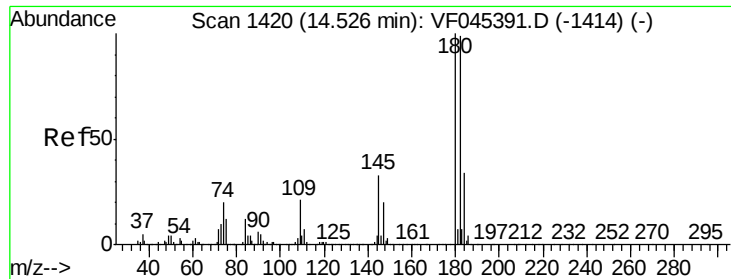


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

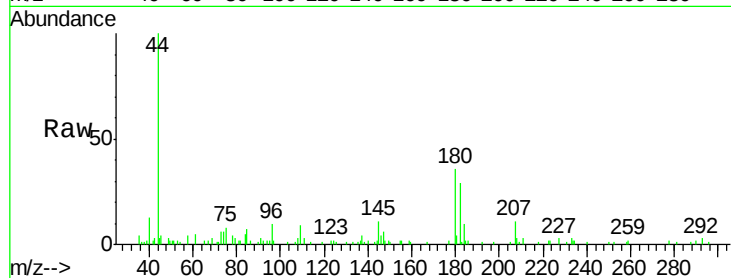




#95
 1,2,3-Trichlorobenzene
 Concen: 1.11 ug/l
 RT: 14.54 min Scan# 1422
 Delta R.T. 0.01 min
 Lab File: VF045408.D
 Acq: 17 Sep 2015 16:01

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP209BR-29-30

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.9	47.6	142.8
145	26.3	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

