

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045413.D
 Acq On : 17 Sep 2015 18:23
 Operator : FY/SY
 Sample : G3708-02
 Misc : 14.20g/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 MGP2090BR-15-17

Quant Time: Sep 18 01:21:13 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	1103443	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.55	114	1621083	50.00	ug/l	0.01
62) Chlorobenzene-d5	9.71	117	1443129	50.00	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	12.50	152	634013	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	456933	38.56	ug/l	0.02
Spiked Amount			Recovery	=	77.12%	
34) Dibromofluoromethane	4.05	113	563131	44.84	ug/l	0.02
Spiked Amount			Recovery	=	89.68%	
49) Toluene-d8	7.51	98	1605603	43.40	ug/l	0.01
Spiked Amount			Recovery	=	86.80%	
61) 4-Bromofluorobenzene	11.36	95	652335	36.68	ug/l	0.01
Spiked Amount			Recovery	=	73.36%	

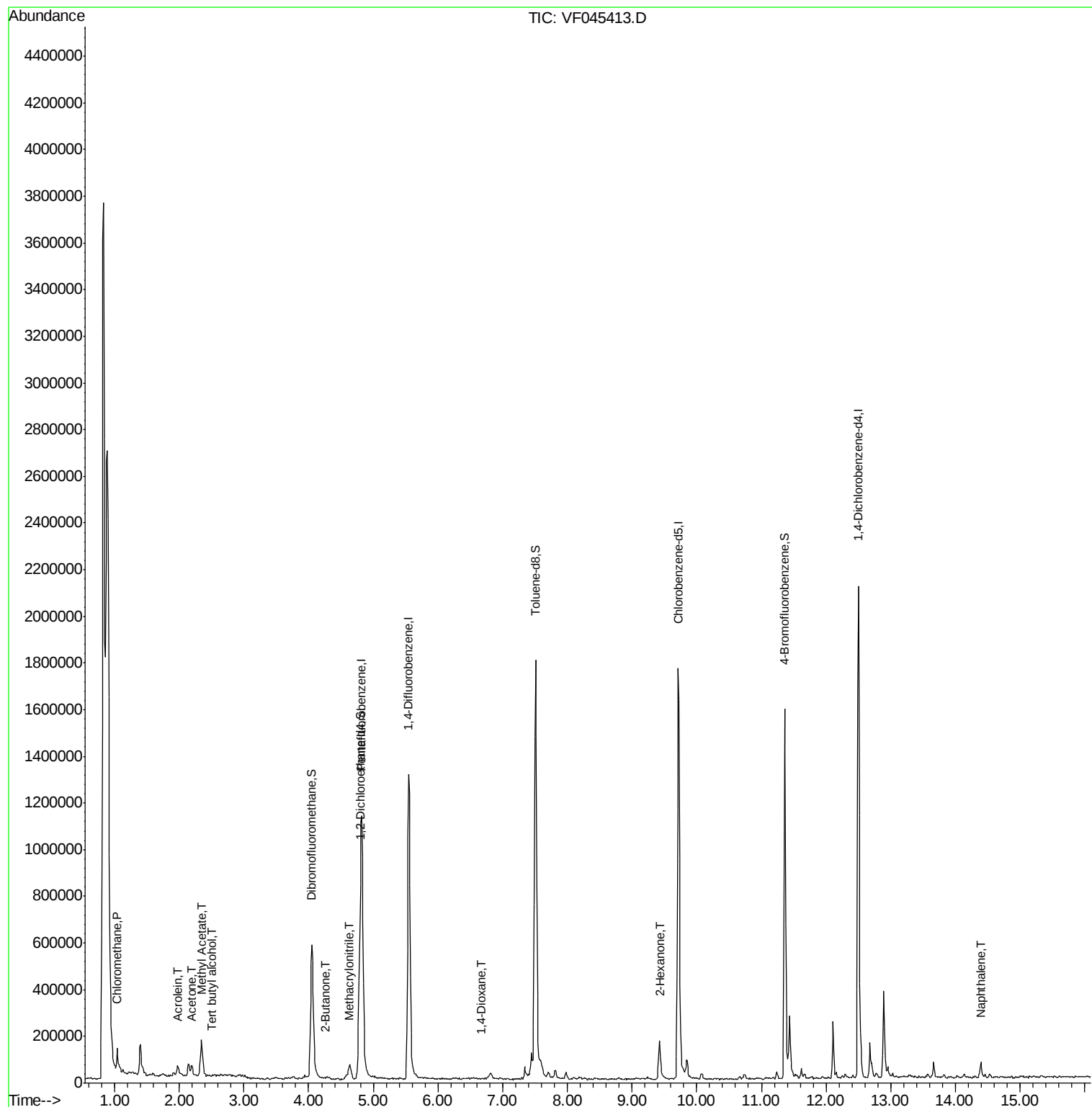
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.04	50	11010	1.37	ug/l #	45
11) Tert butyl alcohol	2.51	59	161	1.21	ug/l #	71
13) Acrolein	1.97	56	3592	6.51	ug/l #	1
16) Acetone	2.19	43	76029	28.26	ug/l #	86
18) Methyl Acetate	2.35	43	57986	5.62	ug/l #	62
20) Methylene Chloride	2.14	84	24200	Below Cal		83
25) 2-Butanone	4.26	43	18245	4.85	ug/l #	61
40) Methacrylonitrile	4.63	41	32118	8.72	ug/l #	42
48) 1,4-Dioxane	6.66	88	195	2.62	ug/l #	64
58) 2-Hexanone	9.43	43	48364	8.33	ug/l #	41
94) Naphthalene	14.39	128	44164	3.75	ug/l	96

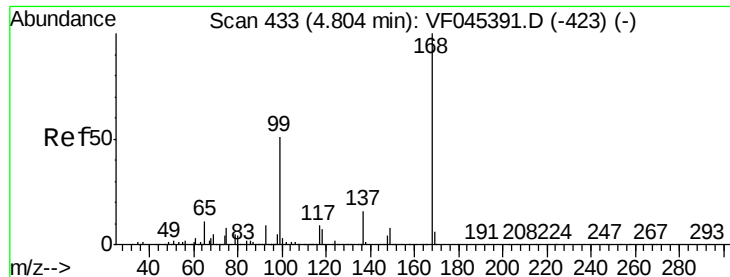
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
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MGP2090BR-15-17

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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. 0.01 min

Lab File: VF045413.D

Acq: 17 Sep 2015 18:23

Instrument :

MSVOA_F

ClientSampleId :

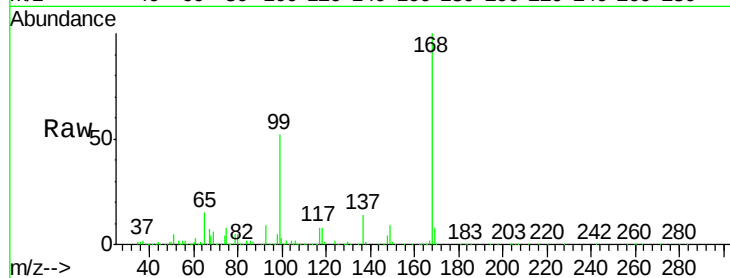
MGP2090BR-15-17

Tot Ion:168 Resp: 1103443

Ion Ratio Lower Upper

168 100

99 52.2 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

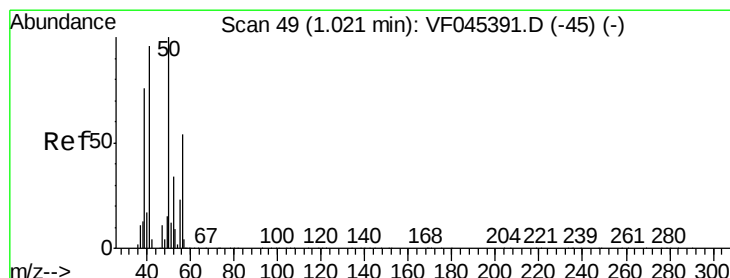
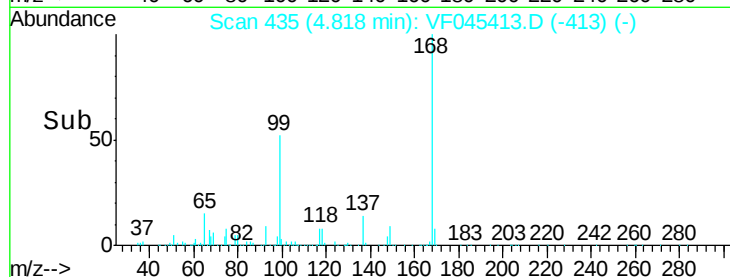
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 1.37 ug/l

RT: 1.04 min Scan# 51

Delta R.T. 0.01 min

Lab File: VF045413.D

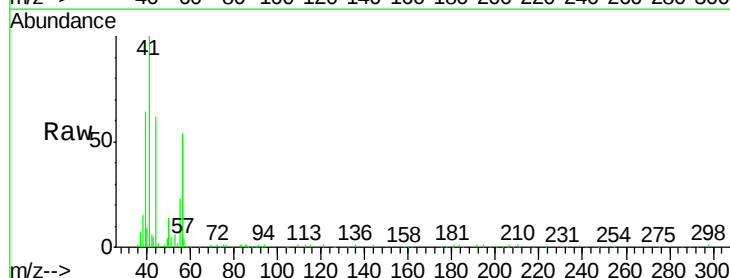
Acq: 17 Sep 2015 18:23

Tgt Ion: 50 Resp: 11010

Ion Ratio Lower Upper

50 100

52 0.0 23.8 35.8#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.04

5000

4000

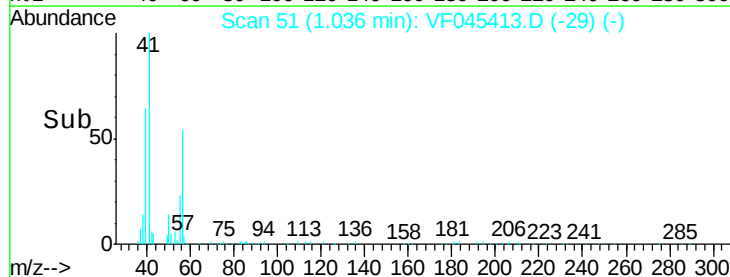
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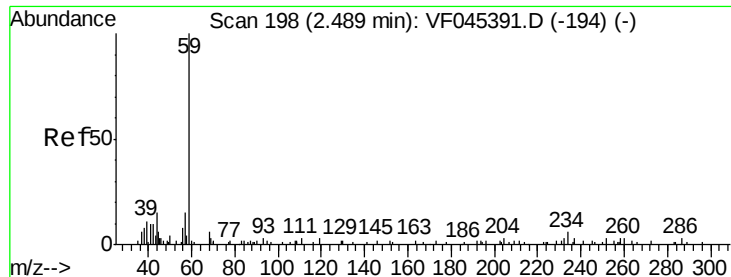
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1000

0

Time-->



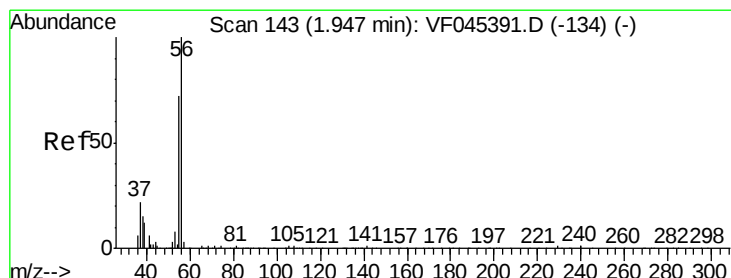
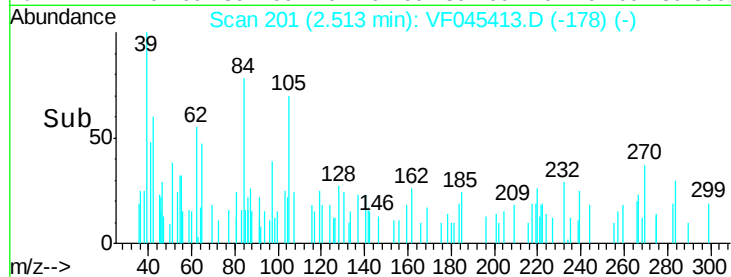
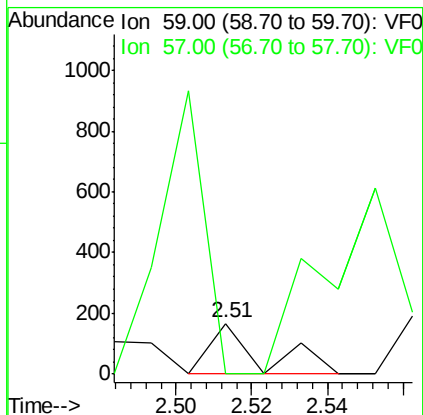
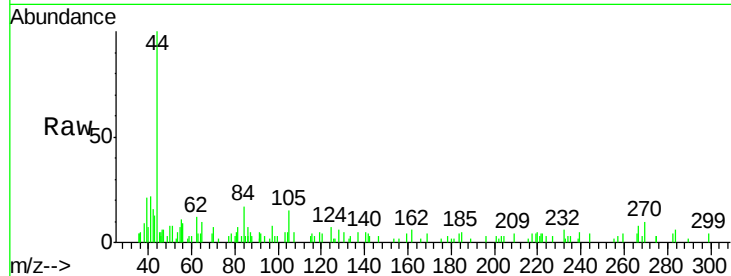


#11

Tert butyl alcohol
Concen: 1.21 ug/l
RT: 2.51 min Scan# 201
Delta R.T. 0.02 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Instrument :
MSVOA_F
ClientSampleId :
MGP2090BR-15-17

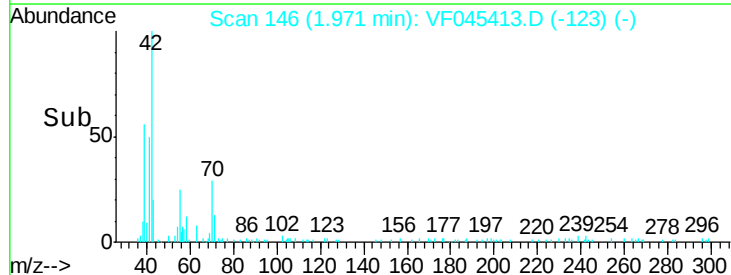
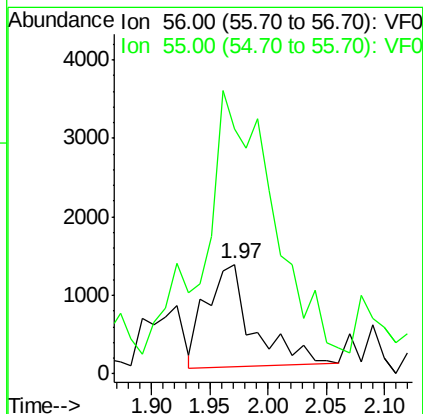
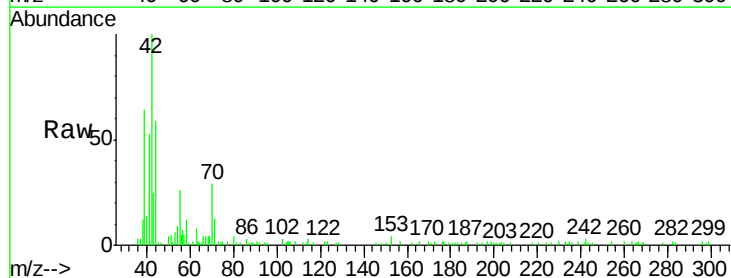
Tot Ion: 59 Resp: 161
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

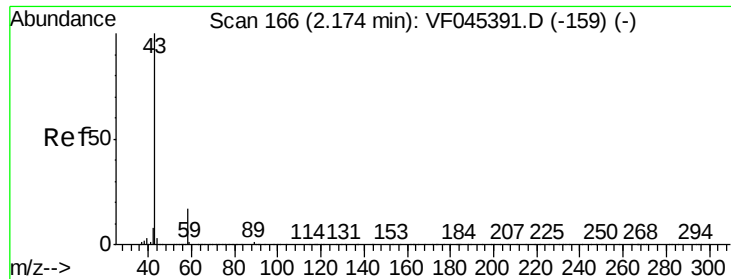


#13

Acrolein
Concen: 6.51 ug/l
RT: 1.97 min Scan# 146
Delta R.T. 0.02 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Tgt Ion: 56 Resp: 3592
Ion Ratio Lower Upper
56 100
55 223.4 60.5 90.7#

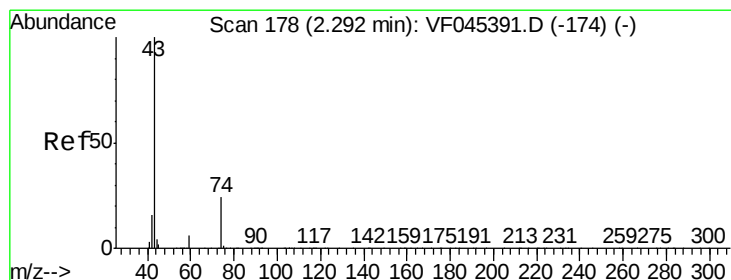
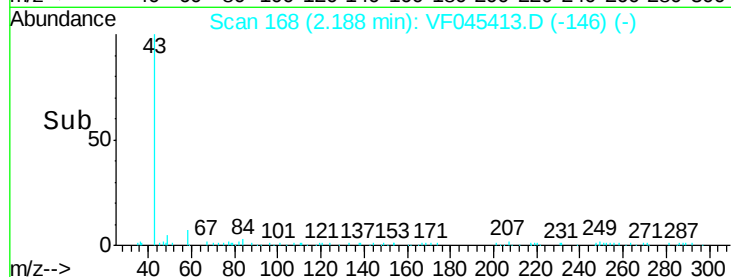
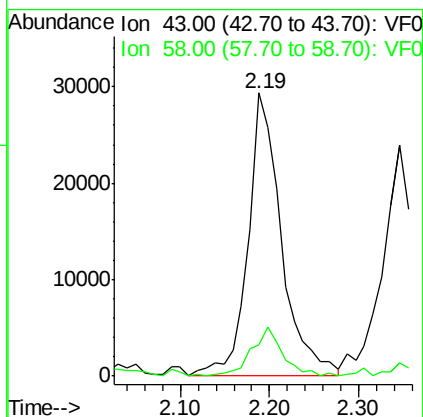
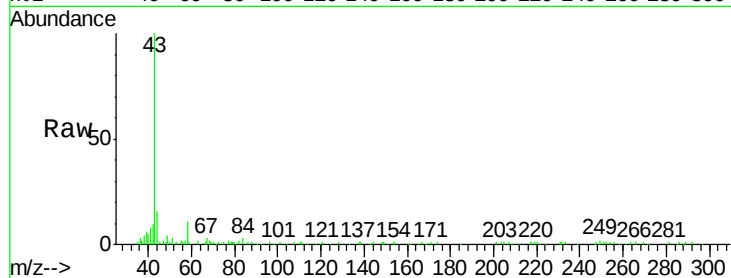




#16
Acetone
Concen: 28.26 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.01 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

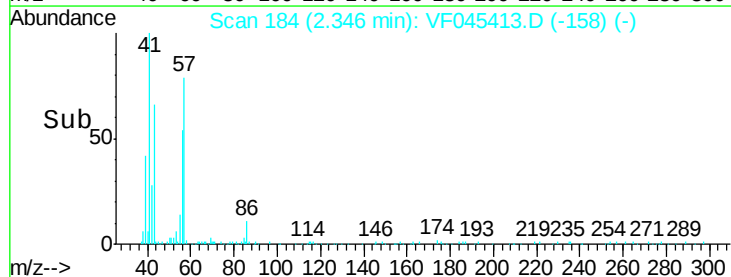
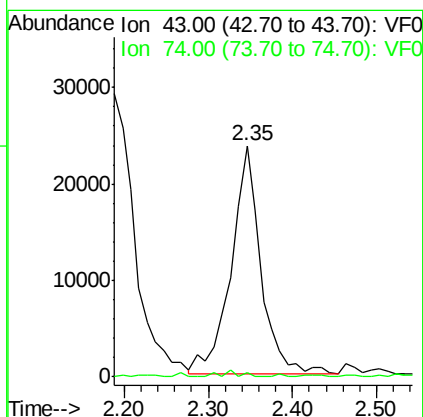
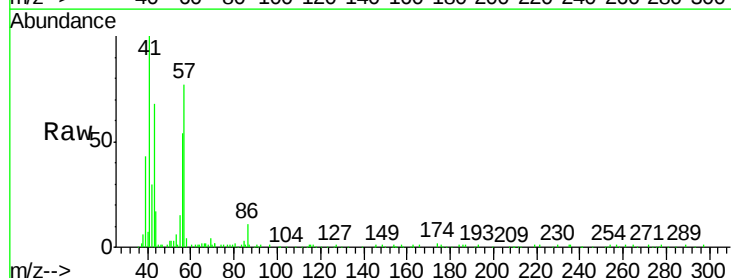
Instrument :
MSVOA_F
ClientSampleId :
MGP2090BR-15-17

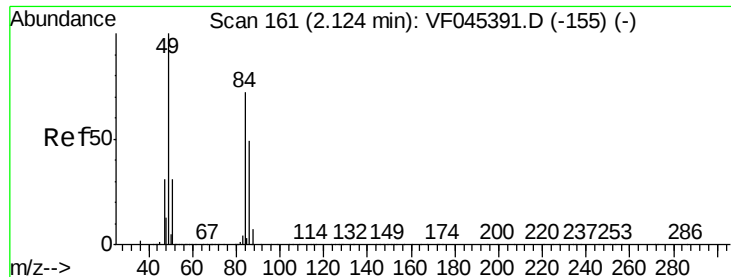
Tot Ion: 43 Resp: 76029
Ion Ratio Lower Upper
43 100
58 11.2 13.9 20.9#



#18
Methyl Acetate
Concen: 5.62 ug/l
RT: 2.35 min Scan# 184
Delta R.T. 0.05 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Tgt Ion: 43 Resp: 57986
Ion Ratio Lower Upper
43 100
74 1.7 15.1 22.7#

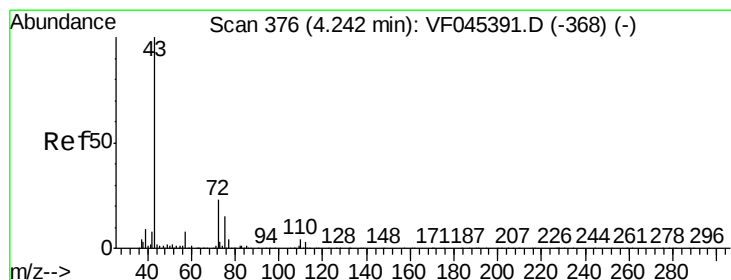
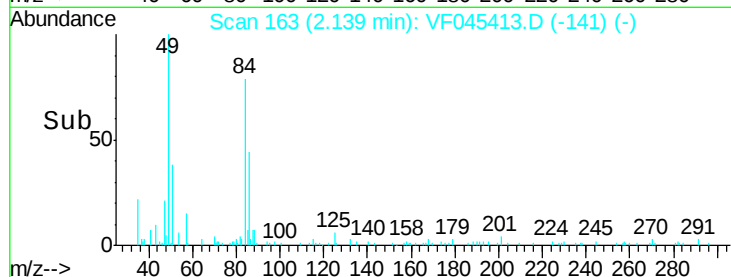
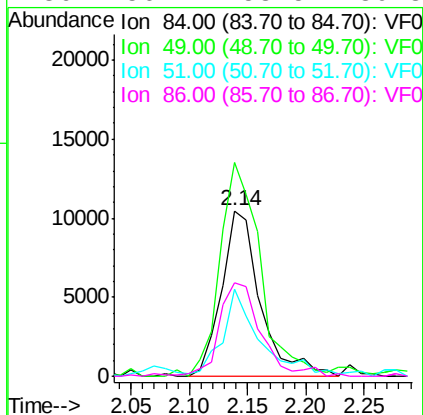
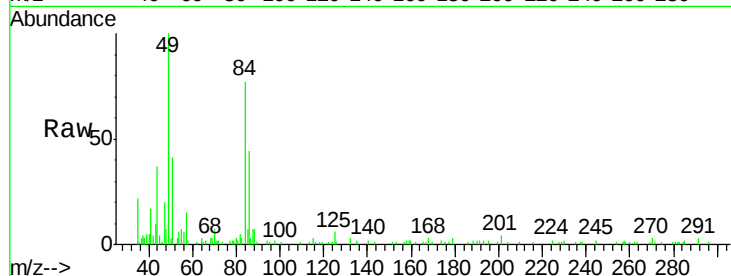




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.14 min Scan# 163
Delta R.T. 0.01 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

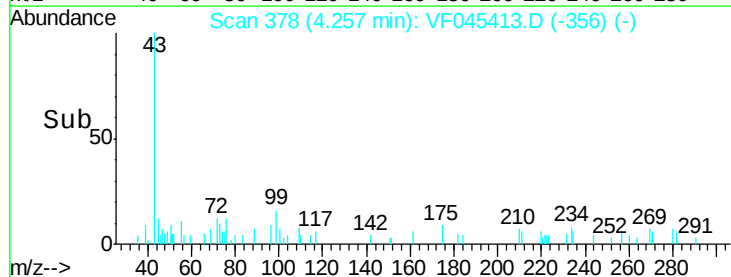
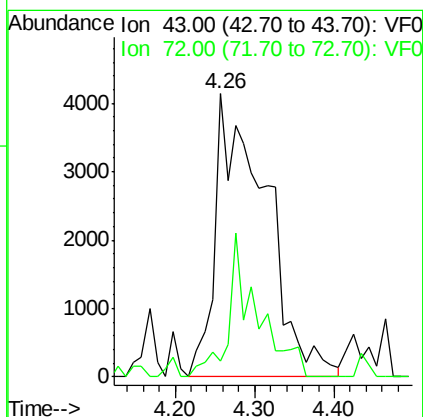
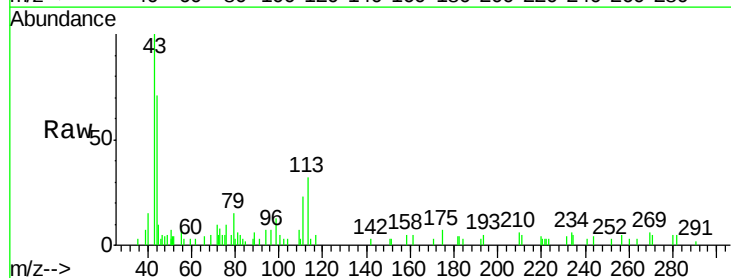
Instrument :
MSVOA_F
ClientSampleId :
MGP2090BR-15-17

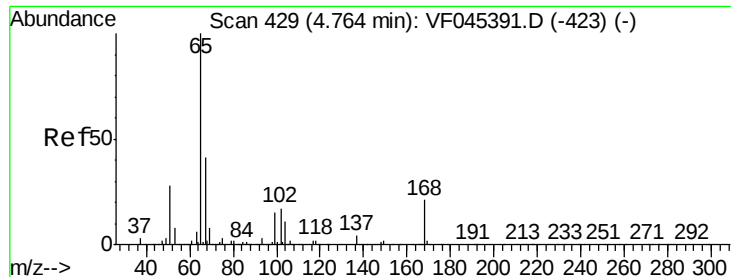
Tot Ion:	84	Resp:	24200
Ion	Ratio	Lower	Upper
84	100		
49	129.1	122.8	184.2
51	52.8	35.4	53.2
86	56.2	53.5	80.3



#25
2-Butanone
Concen: 4.85 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.01 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Tgt Ion:	43	Resp:	18245
Ion	Ratio	Lower	Upper
43	100		
72	5.4	20.2	30.2#





#32

1,2-Dichloroethane-d4

Concen: 38.56 ug/l

RT: 4.79 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF045413.D

Acq: 17 Sep 2015 18:23

Instrument :

MSVOA_F

ClientSampleId :

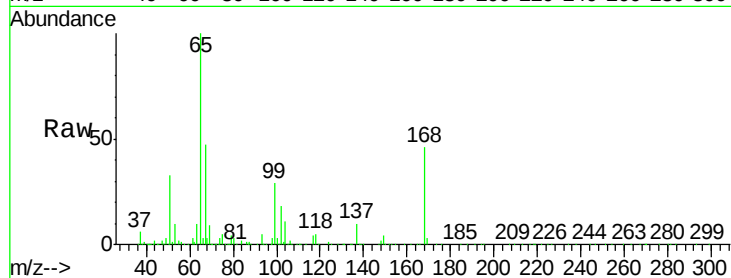
MGP2090BR-15-17

Tot Ion: 65 Resp: 456933

Ion Ratio Lower Upper

65 100

67 47.3 0.0 102.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.79

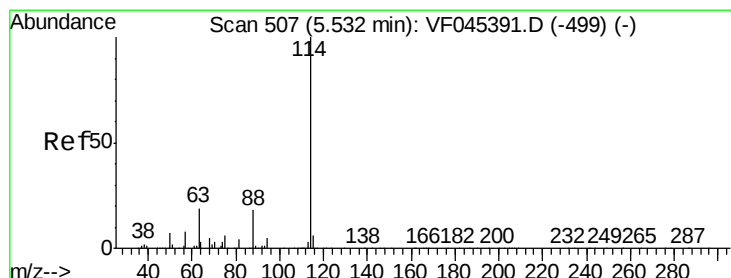
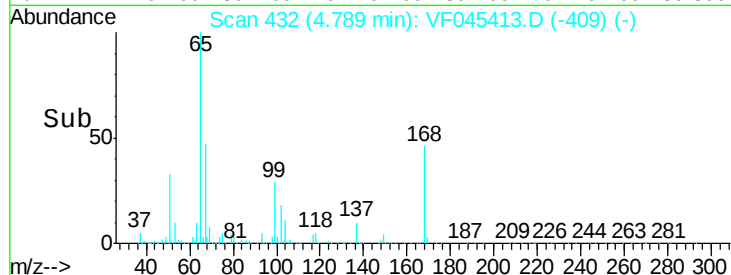
150000

100000

50000

0

Time-->



#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.55 min Scan# 509

Delta R.T. 0.01 min

Lab File: VF045413.D

Acq: 17 Sep 2015 18:23

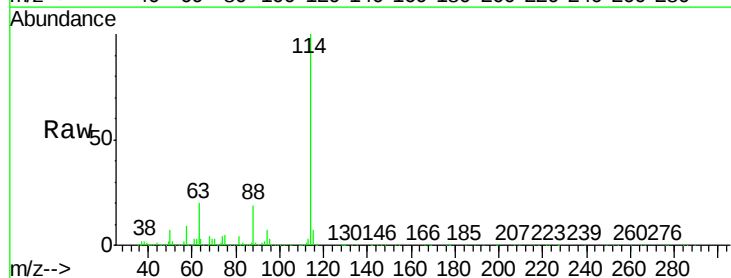
Tgt Ion: 114 Resp: 1621083

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

88 19.4 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

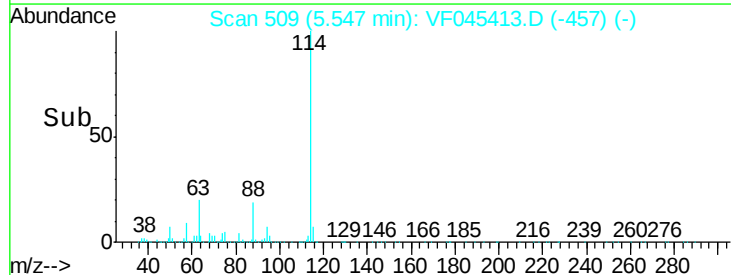
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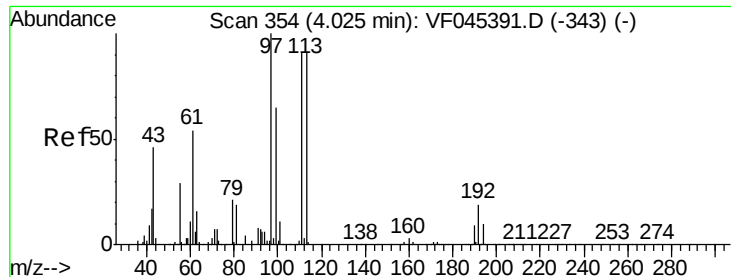
400000

200000

0

Time-->

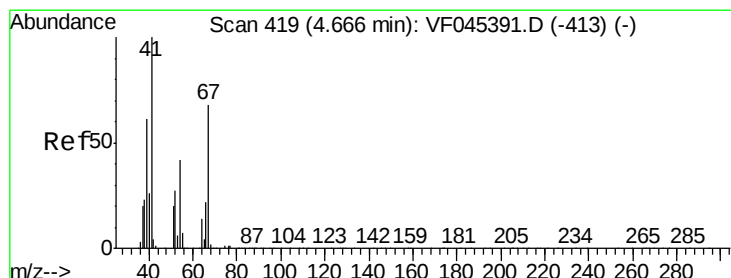
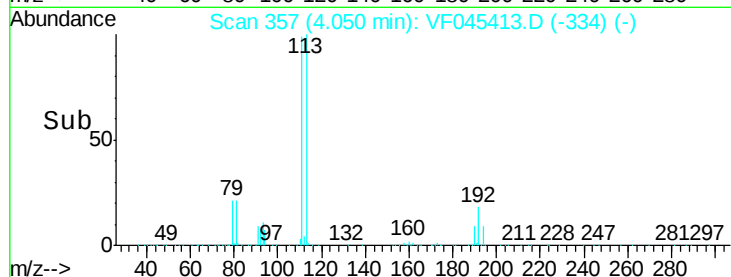
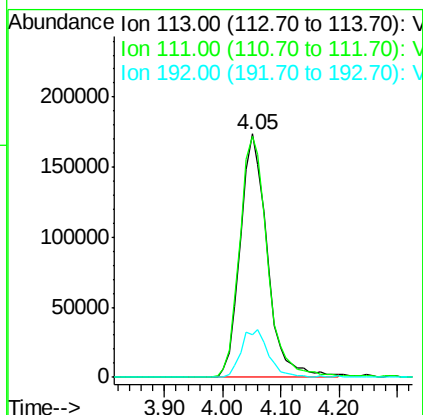
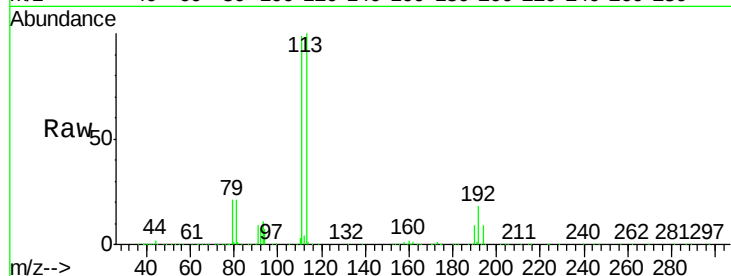




#34
Dibromofluoromethane
Concen: 44.84 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.02 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

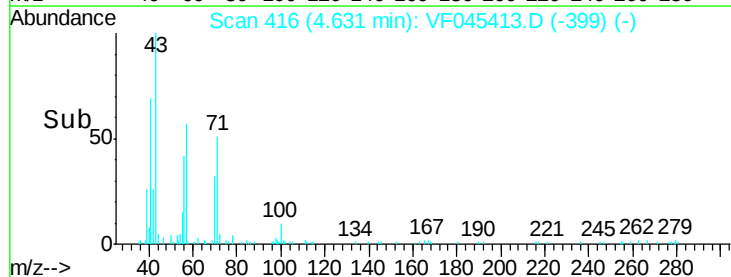
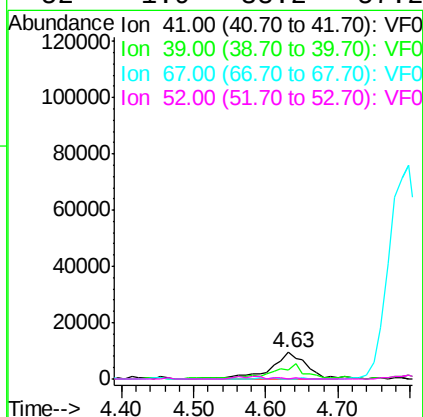
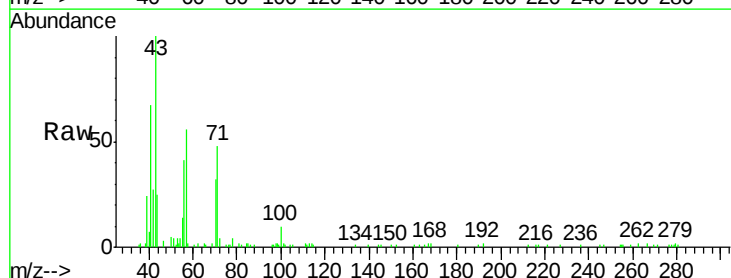
Instrument :
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MGP2090BR-15-17

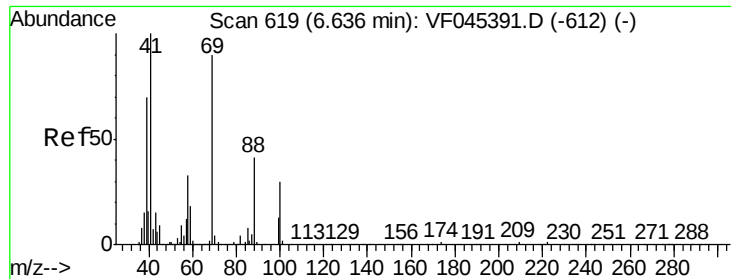
Tot Ion:113 Resp: 563131
Ion Ratio Lower Upper
113 100
111 99.1 75.5 113.3
192 17.7 15.6 23.4



#40
Methacrylonitrile
Concen: 8.72 ug/l
RT: 4.63 min Scan# 416
Delta R.T. -0.03 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Tgt Ion: 41 Resp: 32118
Ion Ratio Lower Upper
41 100
39 36.5 44.9 67.3#
67 0.0 49.0 73.4#
52 1.9 38.2 57.2#





#48

1,4-Dioxane

Concen: 2.62 ug/l

RT: 6.66 min Scan# 622

Delta R.T. 0.02 min

Lab File: VF045413.D

Acq: 17 Sep 2015 18:23

Instrument :

MSVOA_F

ClientSampleId :

MGP2090BR-15-17

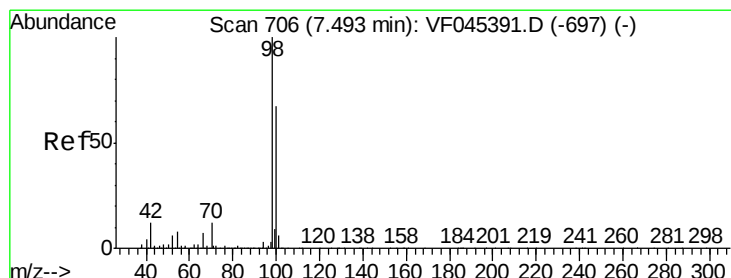
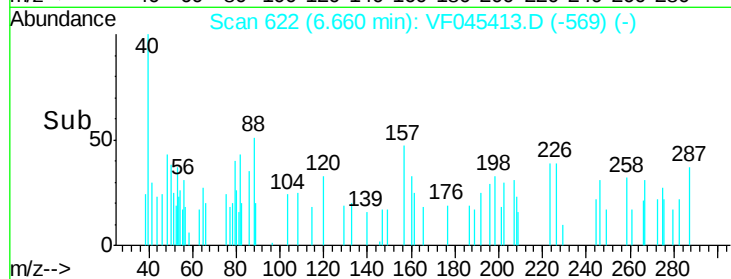
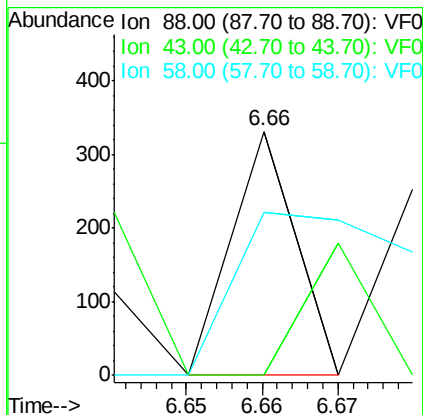
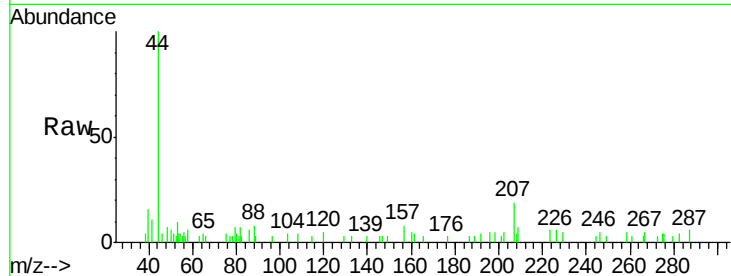
Tot Ion: 88 Resp: 195

Ion Ratio Lower Upper

88 100

43 0.0 34.5 51.7#

58 67.1 46.5 69.7



#49

Toluene-d8

Concen: 43.40 ug/l

RT: 7.51 min Scan# 708

Delta R.T. 0.01 min

Lab File: VF045413.D

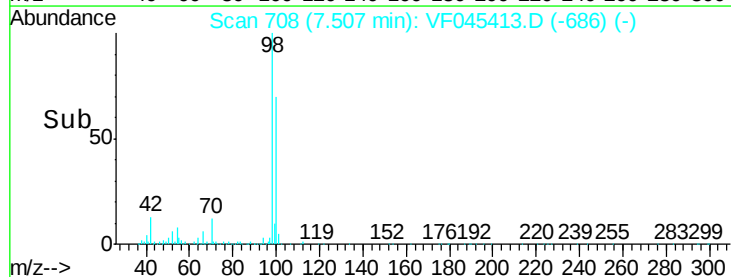
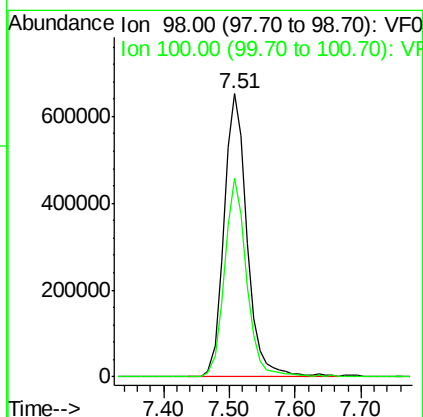
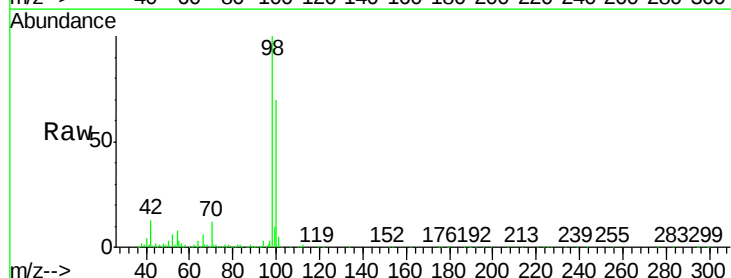
Acq: 17 Sep 2015 18:23

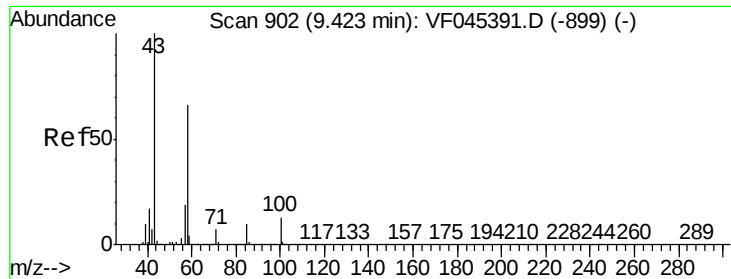
Tgt Ion: 98 Resp: 1605603

Ion Ratio Lower Upper

98 100

100 70.2 54.4 81.6

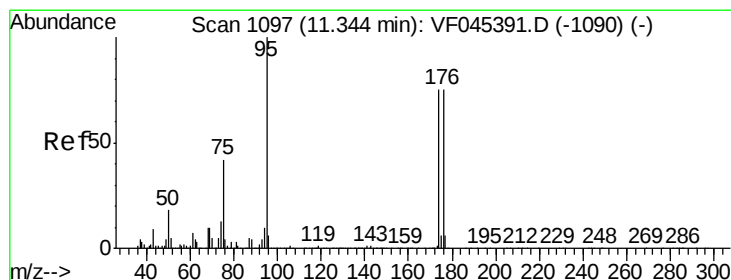
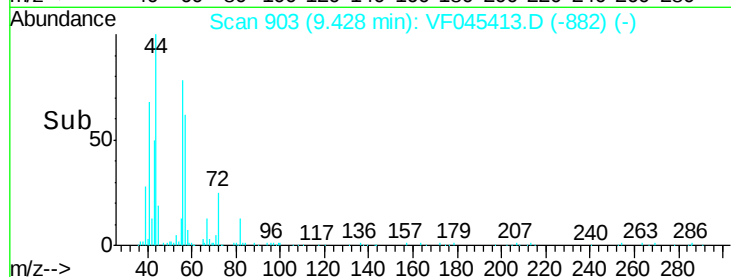
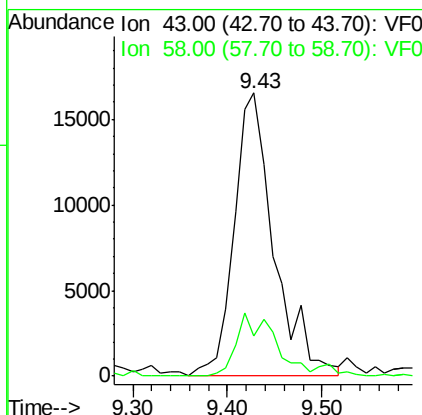
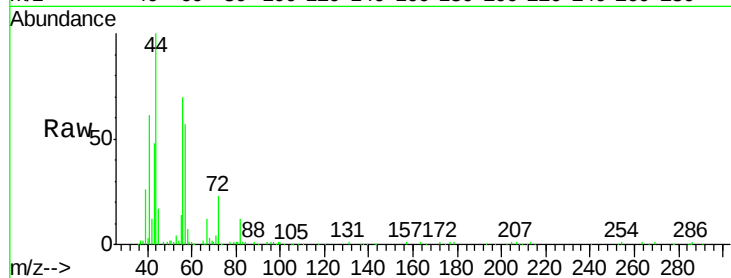




#58
2-Hexanone
Concen: 8.33 ug/l
RT: 9.43 min Scan# 903
Delta R.T. 0.00 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

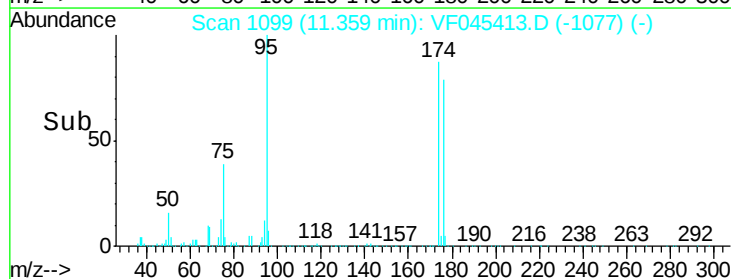
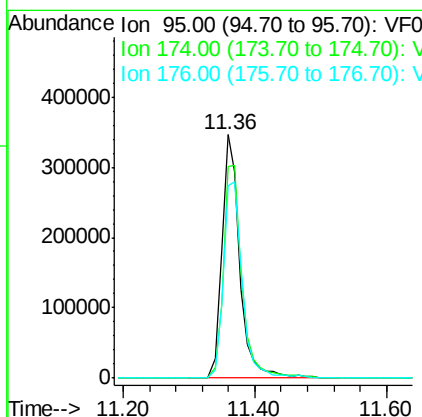
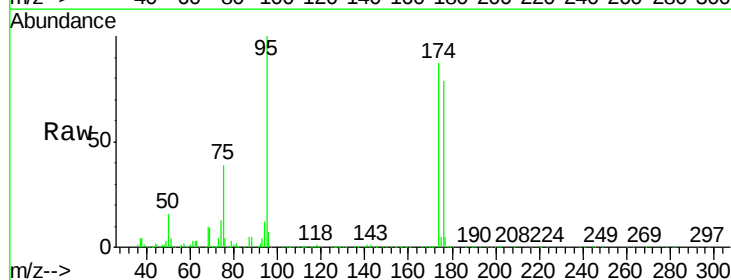
Instrument :
MSVOA_F
ClientSampleId :
MGP2090BR-15-17

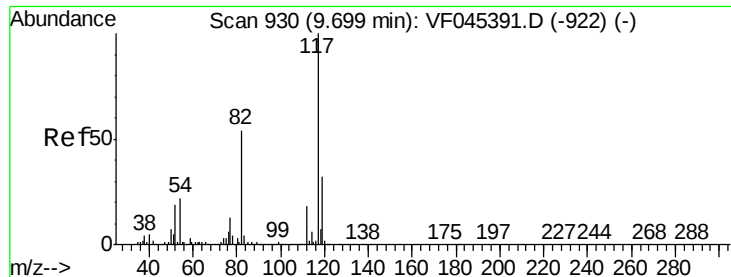
Tot Ion: 43 Resp: 48364
Ion Ratio Lower Upper
43 100
58 14.1 28.8 86.5#



#61
4-Bromofluorobenzene
Concen: 36.68 ug/l
RT: 11.36 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VF045413.D
Acq: 17 Sep 2015 18:23

Tgt Ion: 95 Resp: 652335
Ion Ratio Lower Upper
95 100
174 87.0 0.0 177.8
176 79.2 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: VF045413.D

Acq: 17 Sep 2015 18:23

Instrument :

MSVOA_F

ClientSampleId :

MGP2090BR-15-17

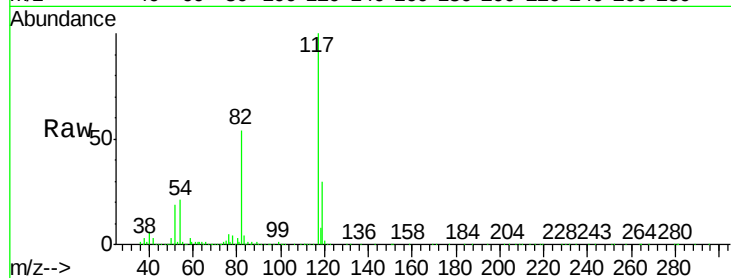
Tot Ion:117 Resp: 1443129

Ion Ratio Lower Upper

117 100

82 54.2 45.0 67.6

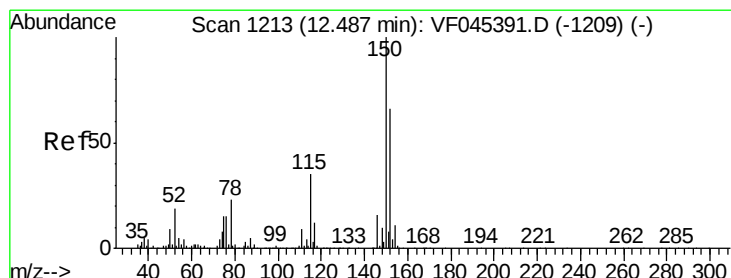
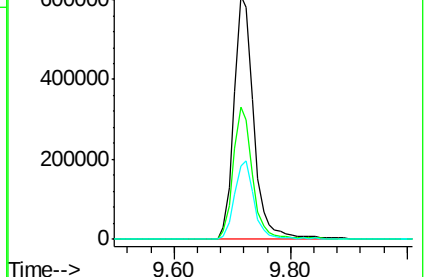
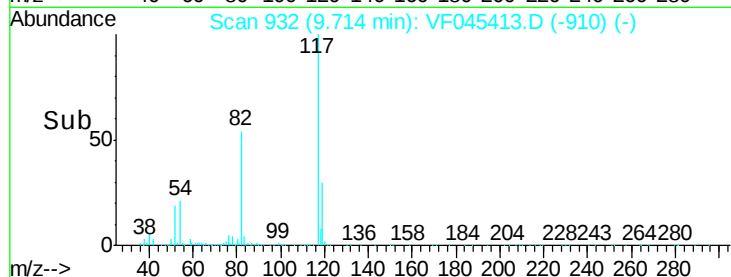
119 29.9 26.2 39.4



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: VF045413.D

Acq: 17 Sep 2015 18:23

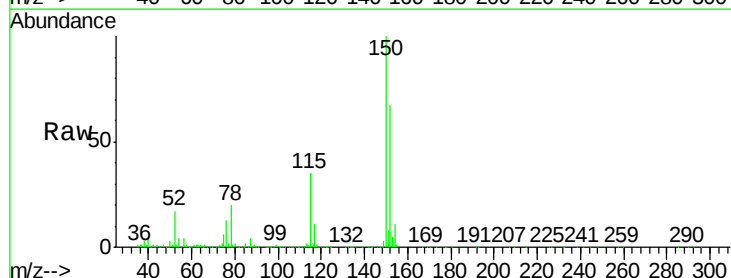
Tgt Ion:152 Resp: 634013

Ion Ratio Lower Upper

152 100

115 51.1 28.3 85.0

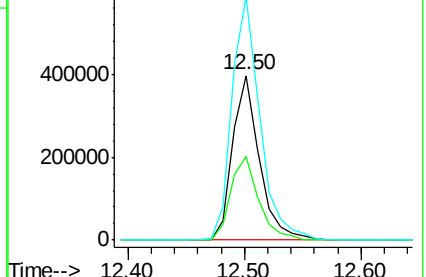
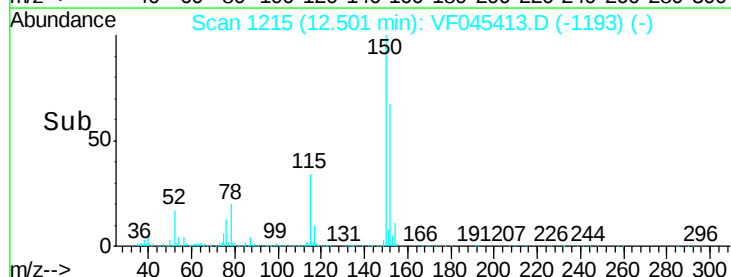
150 148.2 0.0 324.2

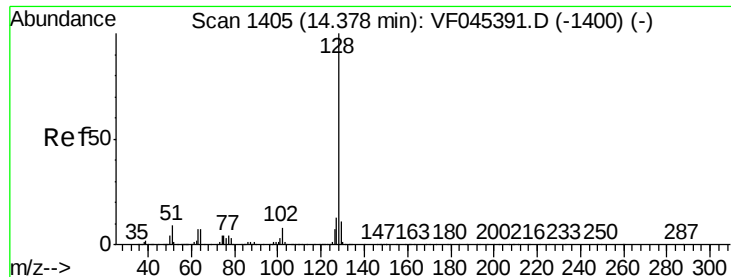


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#94

Naphthalene

Concen: 3.75 ug/l

RT: 14.39 min Scan# 1407

Delta R.T. 0.02 min

Lab File: VF045413.D

Acq: 17 Sep 2015 18:23

Instrument :

MSVOA_F

ClientSampleId :

MGP2090BR-15-17

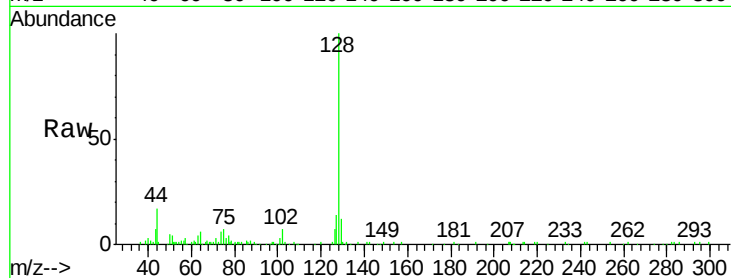
Tot Ion:128 Resp: 44164

Ion Ratio Lower Upper

128 100

127 13.9 9.8 14.8

129 12.4 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

