

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059221.D
 Acq On : 20 Jun 2018 8:08
 Operator : VA/AP
 Sample : J3575-18
 Misc : 8.16g/5mL/MSVOA-F/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 08:31:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	199814	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	302131	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	305314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	187811	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	133281	55.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.00%	
35) Dibromofluoromethane	4.28	113	117656	55.50	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	111.00%	
50) Toluene-d8	7.70	98	287910	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.51	95	165784	51.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.80%	

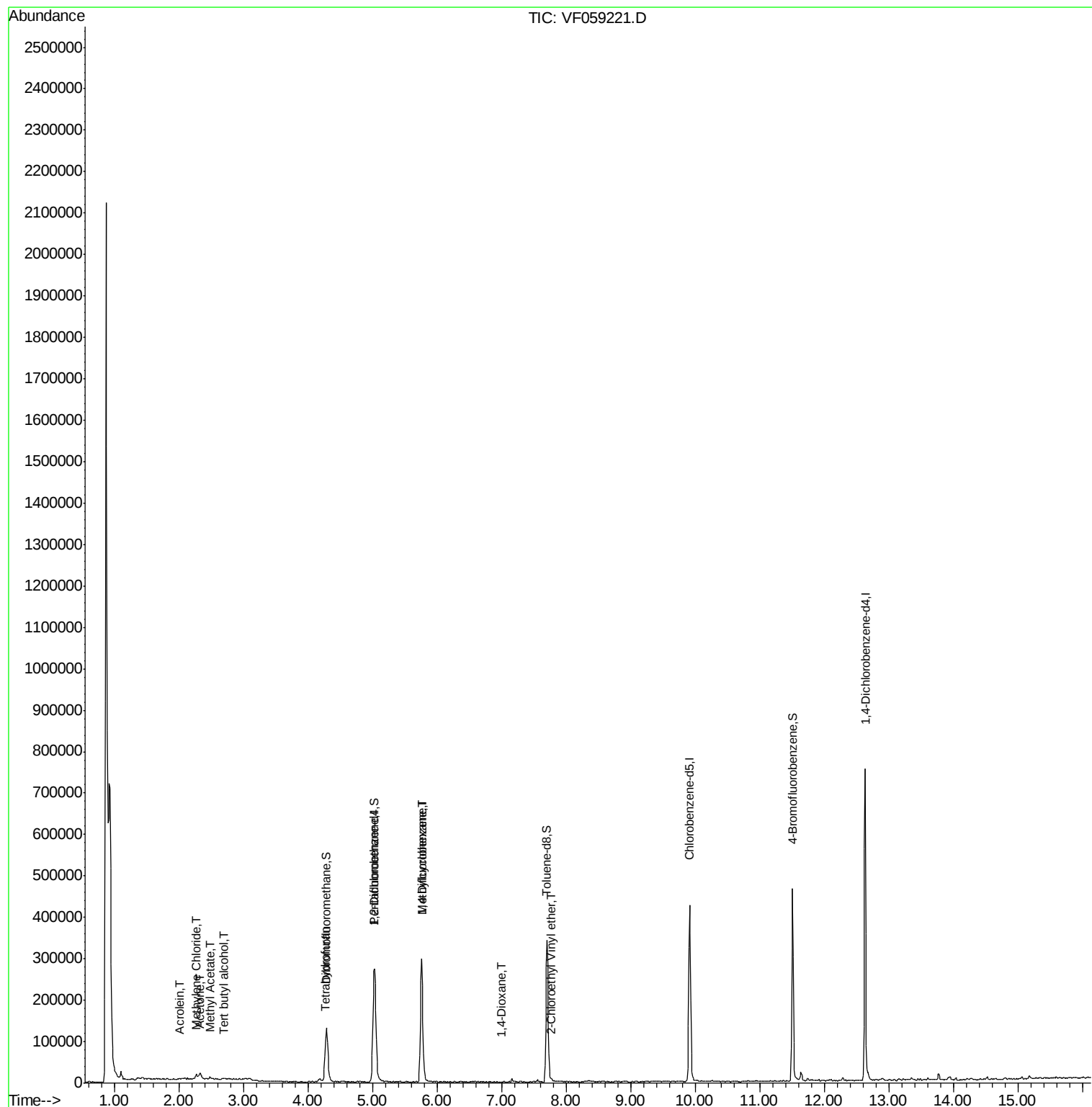
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.68	59	1392	8.965	ug/l #	45
13) Acrolein	2.00	56	278	2.069	ug/l	89
16) Acetone	2.33	43	14990	25.908	ug/l	97
18) Methyl Acetate	2.48	43	2768	2.783	ug/l #	88
20) Methylene Chloride	2.28	84	7494	5.409	ug/l #	91
29) Tetrahydrofuran	4.25	42	554	1.402	ug/l #	47
39) Methylcyclohexane	5.76	83	3938	1.319	ug/l #	49
49) 1,4-Dioxane	7.00	88	153	25.569	ug/l #	57
58) 2-Chloroethyl Vinyl ether	7.78	63	270	1.688	ug/l	100
89) n-Butylbenzene	12.90	91	610	Below Cal	#	4

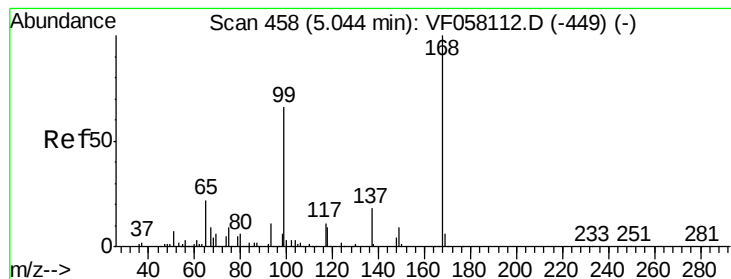
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

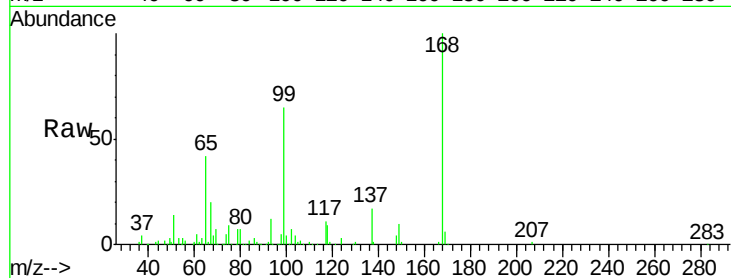
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 199814

Ion Ratio Lower Upper

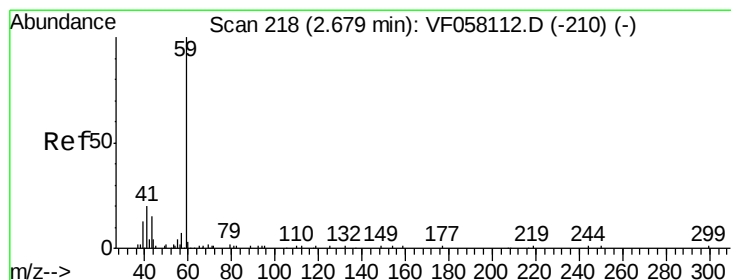
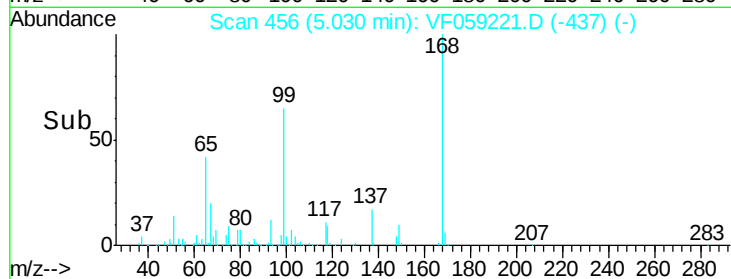
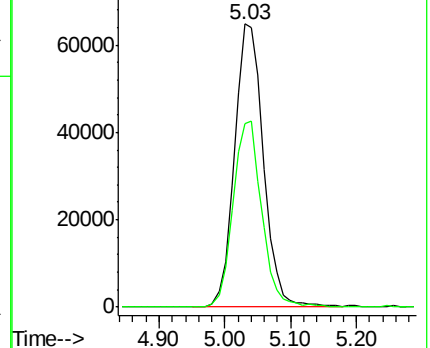
168 100

99 64.9 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#11

Tert butyl alcohol

Concen: 8.965 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059221.D

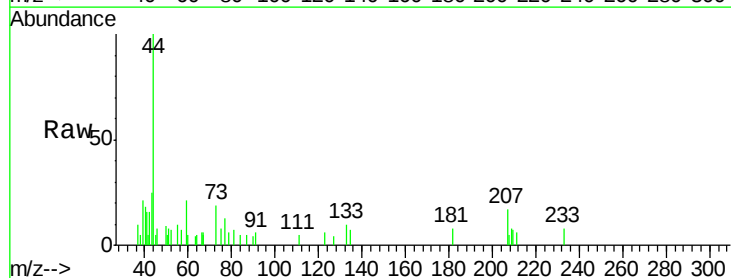
Acq: 20 Jun 2018 8:08

Tgt Ion: 59 Resp: 1392

Ion Ratio Lower Upper

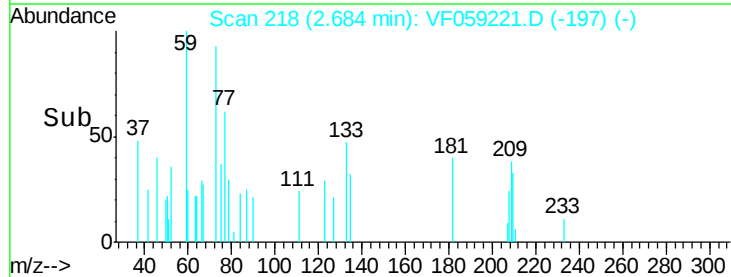
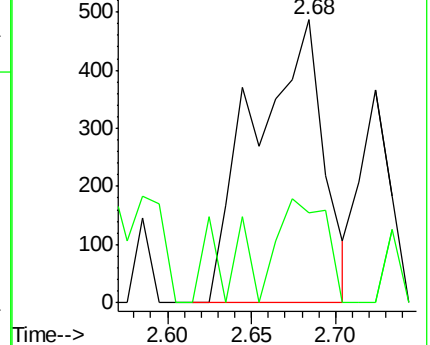
59 100

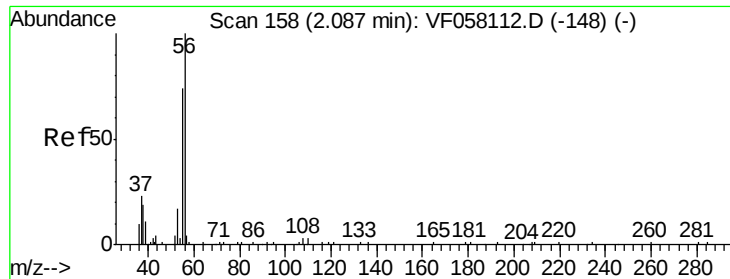
57 31.8 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 2.069 ug/l

RT: 2.00 min Scan# 149

Delta R.T. -0.08 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

Instrument :

MSVOA_F

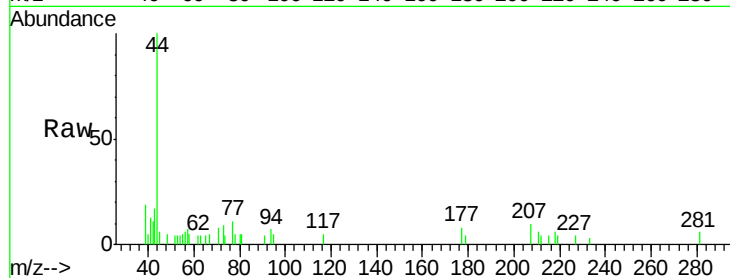
ClientSampleId :

Tot Ion: 56 Resp: 278

Ion Ratio Lower Upper

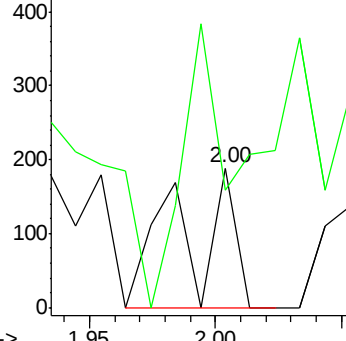
56 100

55 84.1 60.0 90.0

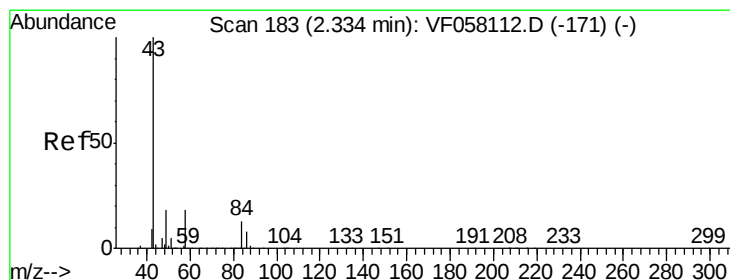
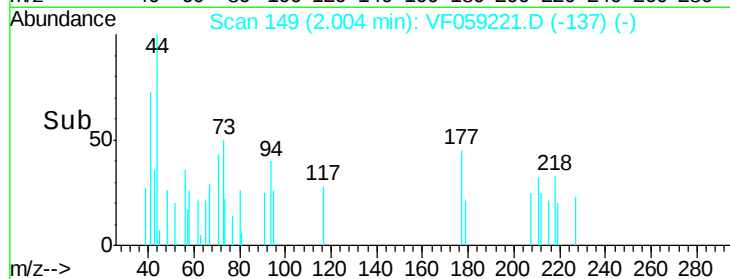


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#16

Acetone

Concen: 25.908 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059221.D

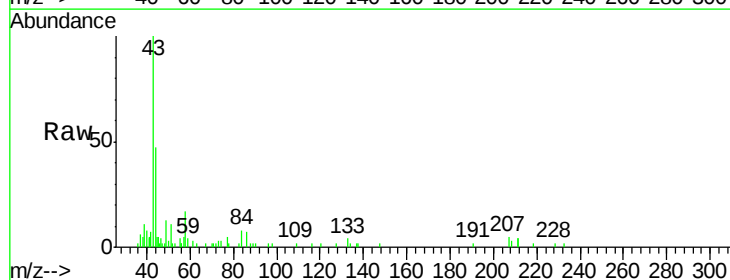
Acq: 20 Jun 2018 8:08

Tgt Ion: 43 Resp: 14990

Ion Ratio Lower Upper

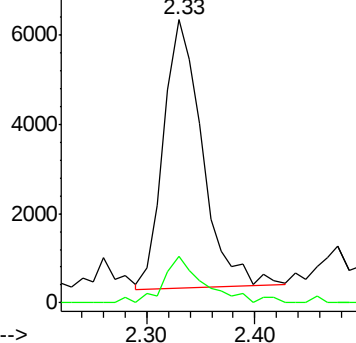
43 100

58 16.5 14.4 21.6

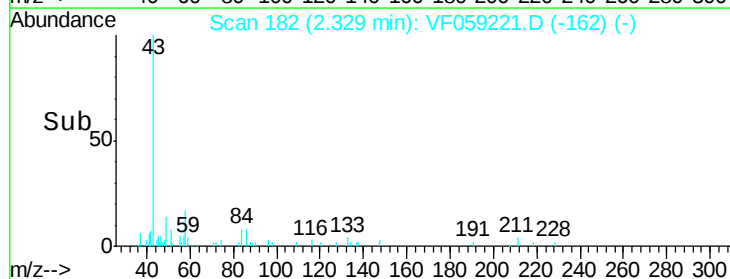


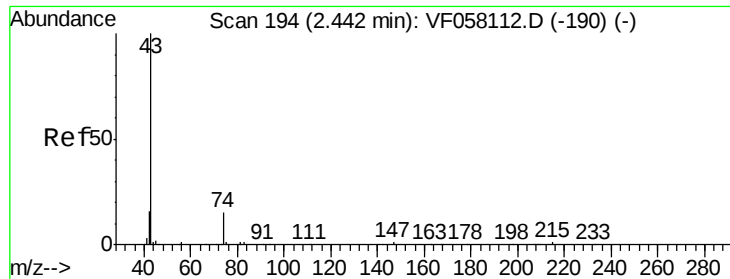
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->

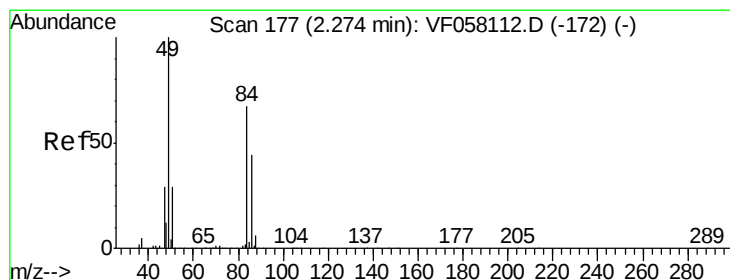
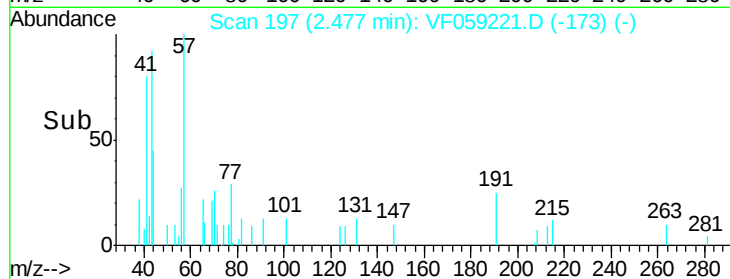
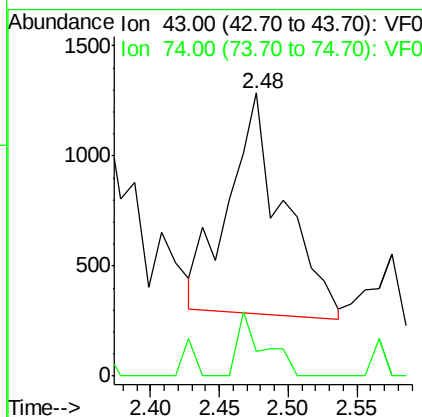
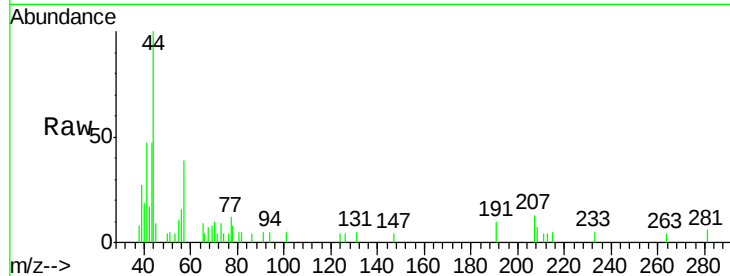




#18
Methvl Acetate
Concen: 2.783 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.04 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

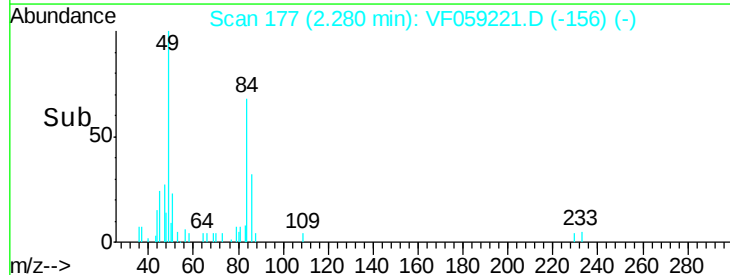
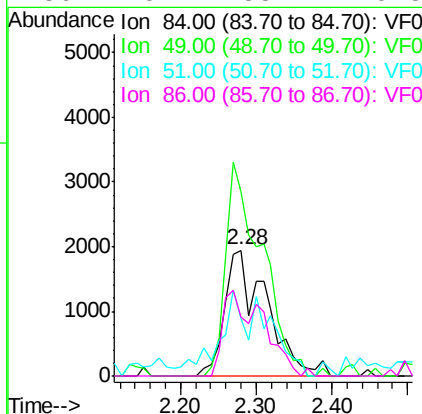
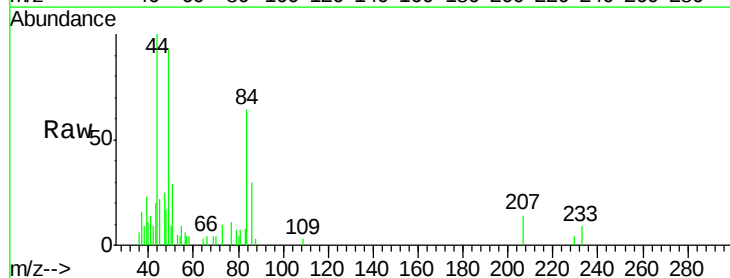
Instrument :
MSVOA_F
ClientSampled :

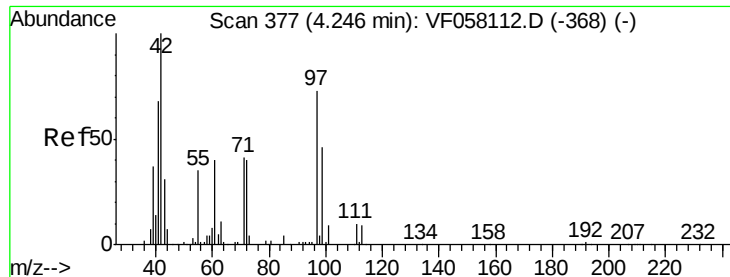
Tot Ion: 43 Resp: 2768
Ion Ratio Lower Upper
43 100
74 8.8 10.9 16.3#



#20
Methylene Chloride
Concen: 5.409 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

Tgt Ion: 84 Resp: 7494
Ion Ratio Lower Upper
84 100
49 146.7 121.0 181.4
51 46.2 35.8 53.6
86 46.7 53.2 79.8#

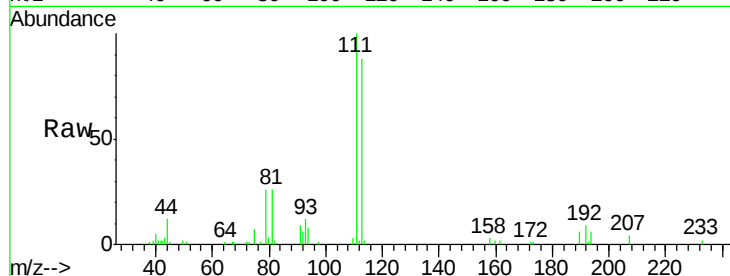




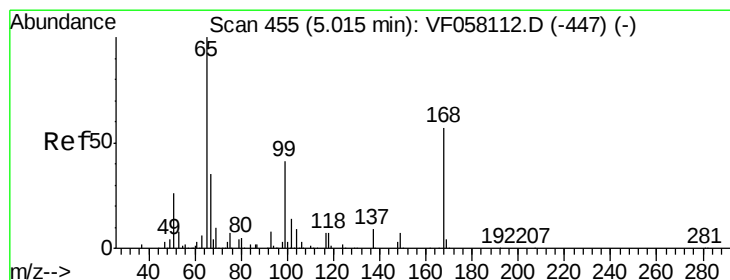
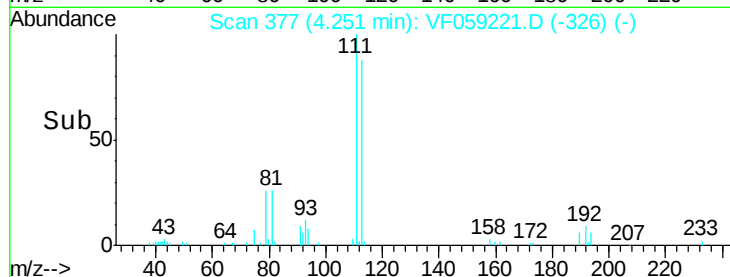
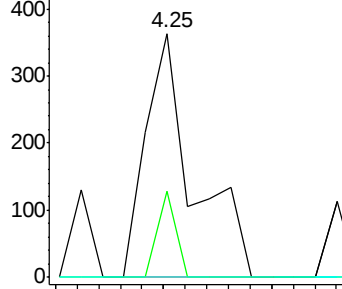
#29
Tetrahydrofuran
Concen: 1.402 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 42 Resp: 554
Ion Ratio Lower Upper
42 100
72 13.7 30.5 45.7#
71 0.0 31.5 47.3#

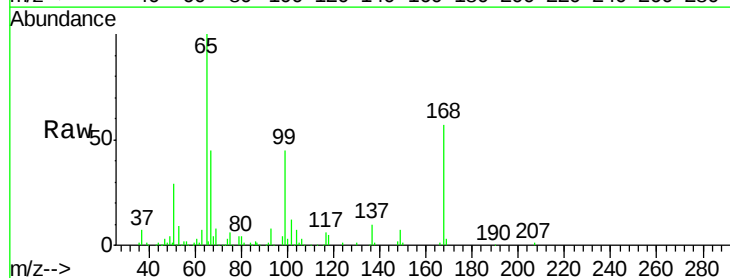


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

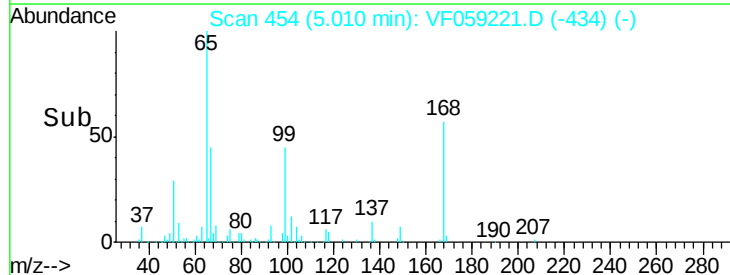
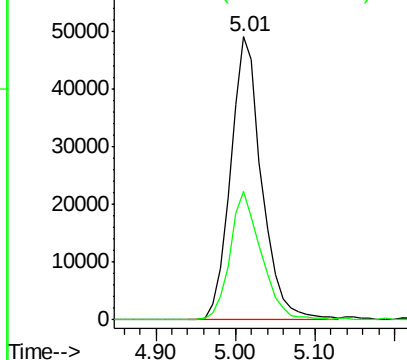


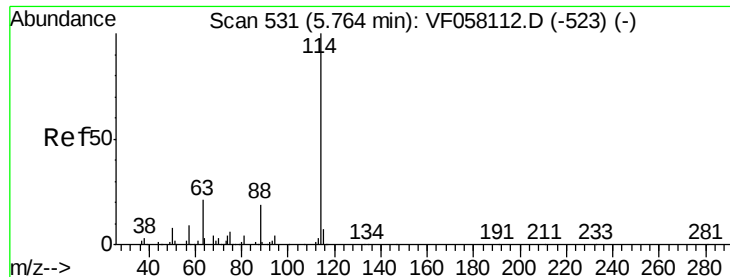
#33
1,2-Dichloroethane-d4
Concen: 54.999 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

Tgt Ion: 65 Resp: 133281
Ion Ratio Lower Upper
65 100
67 45.4 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

Instrument :

MSVOA_F

ClientSampleId :

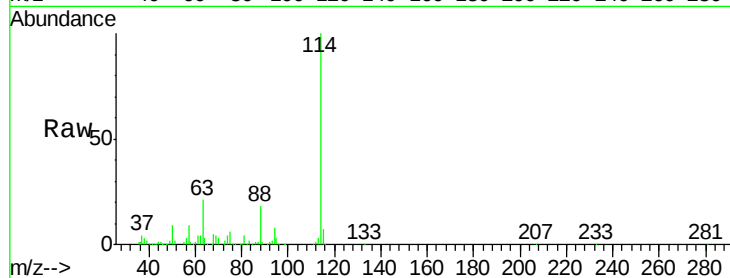
Tot Ion:114 Resp: 302131

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

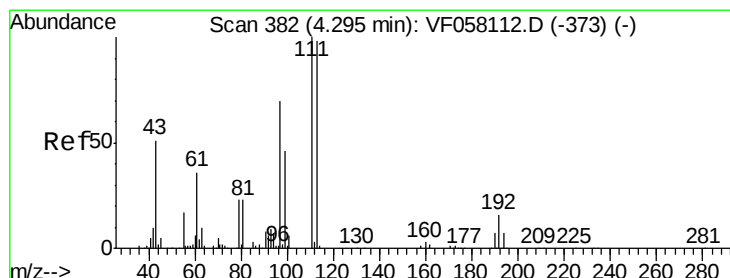
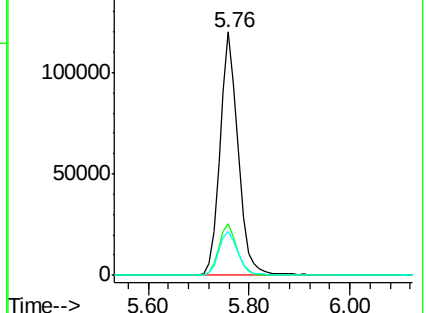
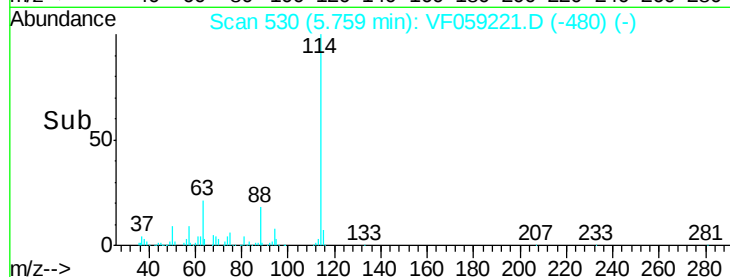
88 18.0 0.0 38.8



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



#35

Dibromofluoromethane

Concen: 55.499 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

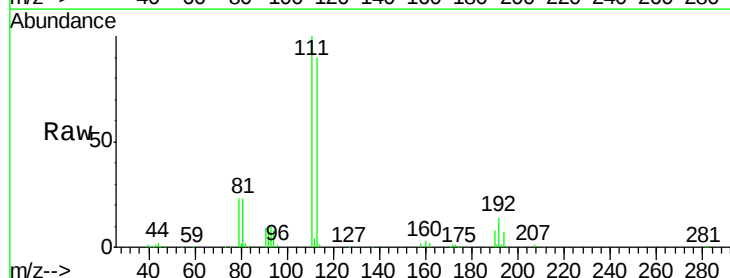
Tgt Ion:113 Resp: 117656

Ion Ratio Lower Upper

113 100

111 110.7 81.3 121.9

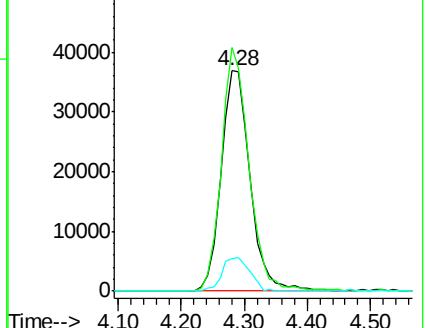
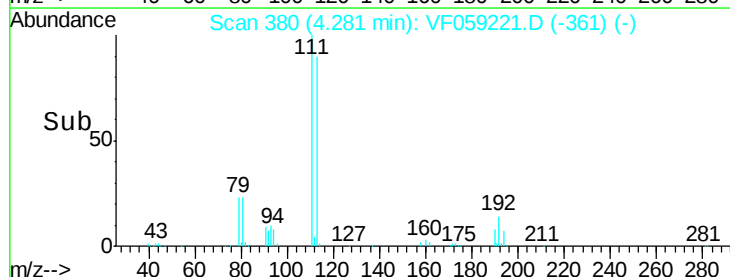
192 15.0 12.7 19.1

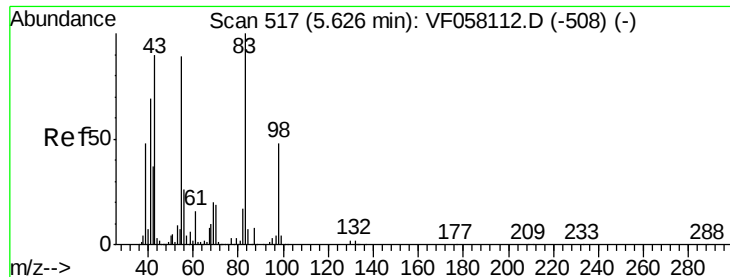


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

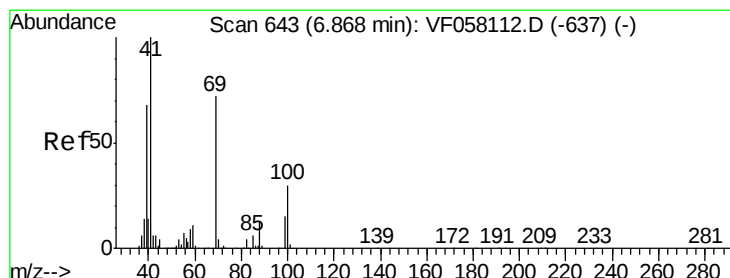
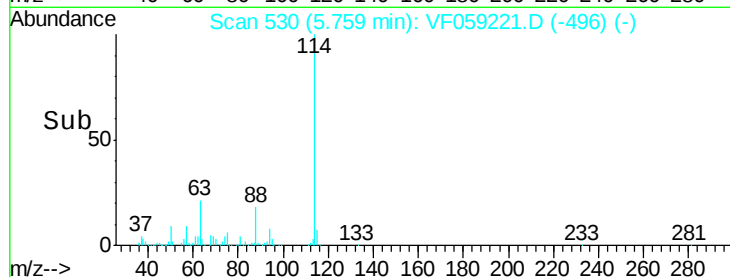
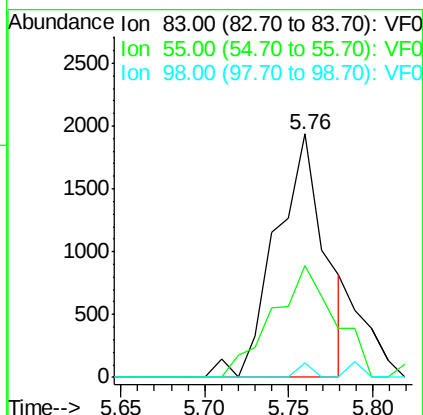
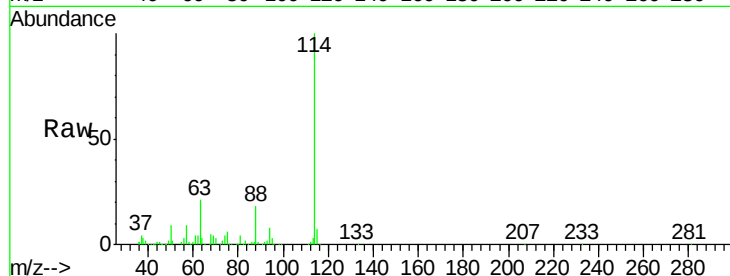




#39
Methvlcvclohexane
Concen: 1.319 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

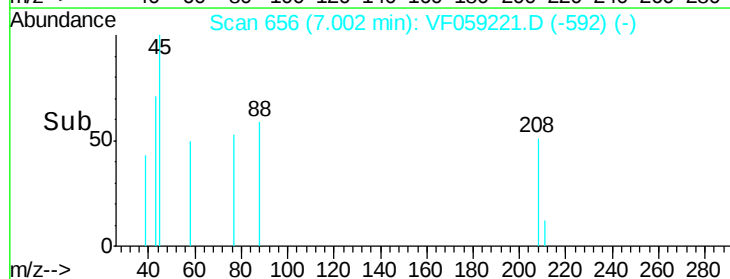
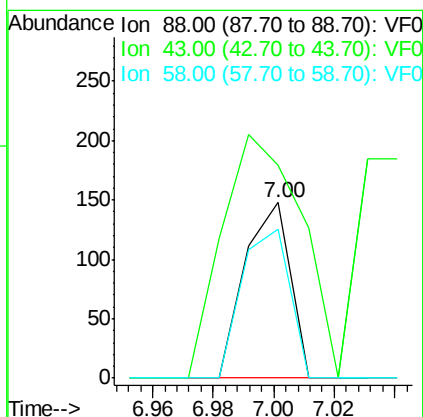
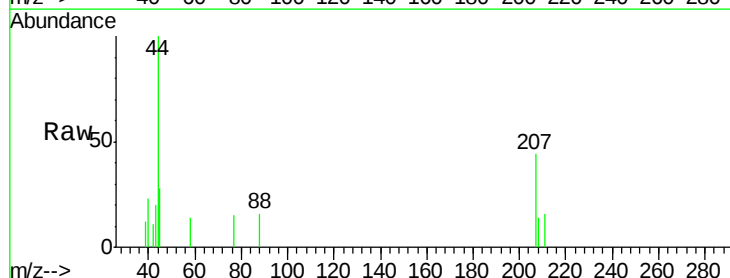
Instrument :
MSVOA_F
ClientSampled :

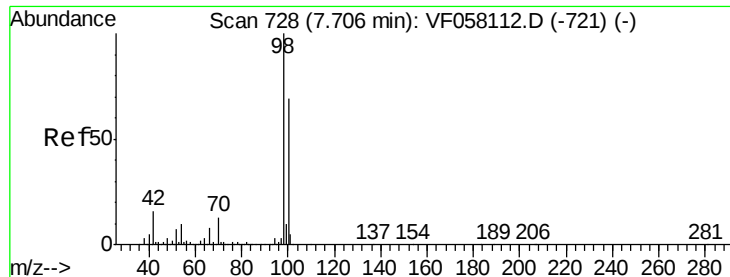
Tot Ion: 83 Resp: 3938
Ion Ratio Lower Upper
83 100
55 46.0 71.0 106.4#
98 6.0 38.1 57.1#



#49
1,4-Dioxane
Concen: 25.569 ug/l
RT: 7.00 min Scan# 656
Delta R.T. 0.13 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

Tgt Ion: 88 Resp: 153
Ion Ratio Lower Upper
88 100
43 120.9 47.8 71.8#
58 84.5 59.4 89.0





#50

Toluene-d8

Concen: 46.228 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.00 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

Instrument :

MSVOA_F

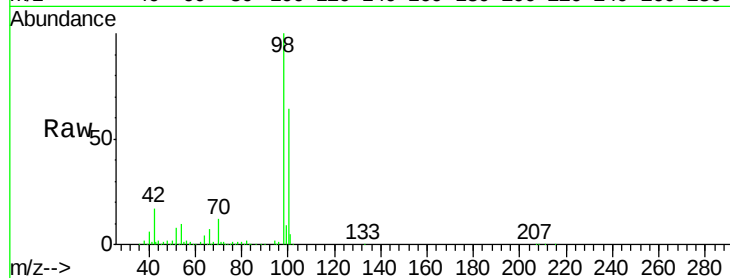
ClientSampleId :

Tot Ion: 98 Resp: 287910

Ion Ratio Lower Upper

98 100

100 63.9 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

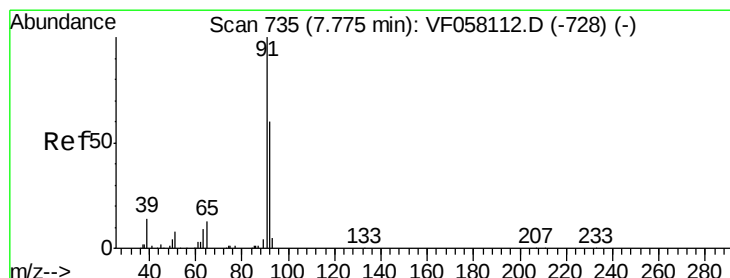
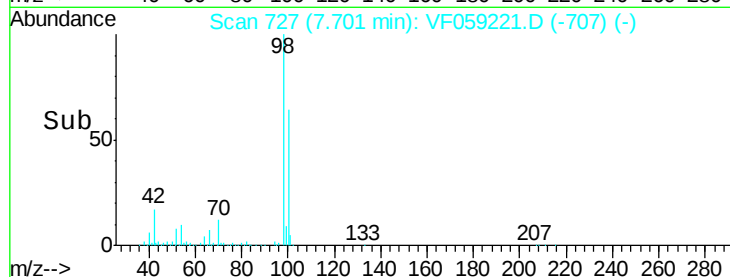
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 1.688 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059221.D

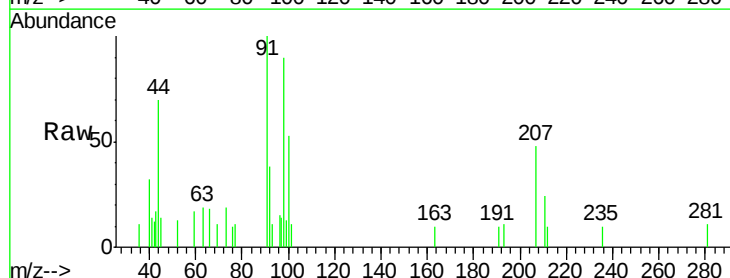
Acq: 20 Jun 2018 8:08

Tgt Ion: 63 Resp: 270

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

200

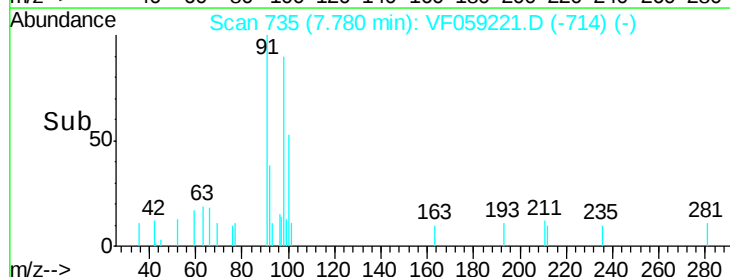
150

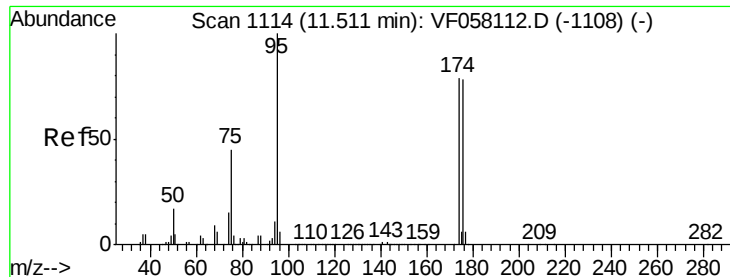
100

50

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.898 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

Instrument :

MSVOA_F

ClientSampleId :

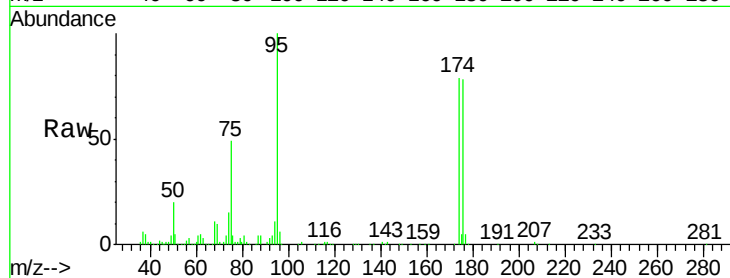
Tot Ion: 95 Resp: 165784

Ion Ratio Lower Upper

95 100

174 78.8 0.0 157.8

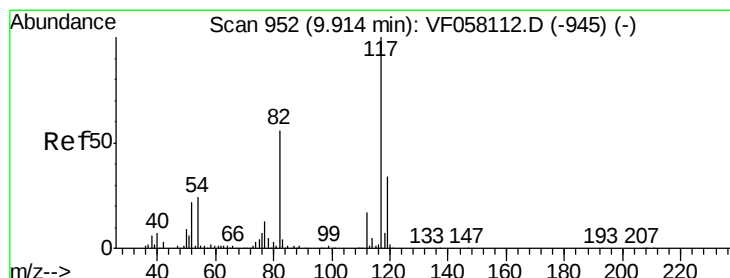
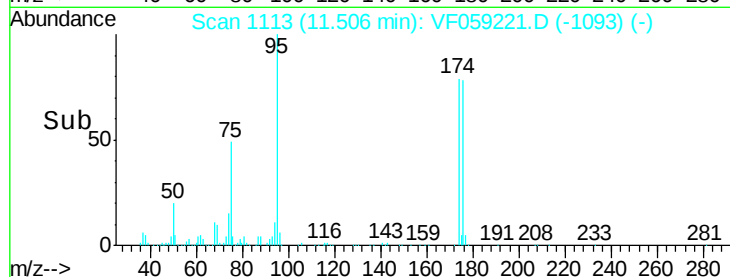
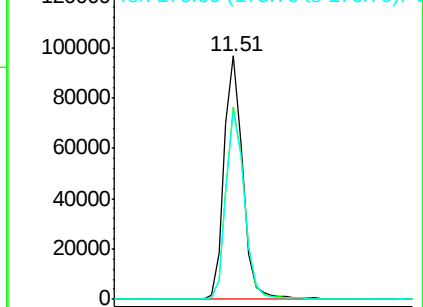
176 77.6 0.0 155.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 951

Delta R.T. -0.00 min

Lab File: VF059221.D

Acq: 20 Jun 2018 8:08

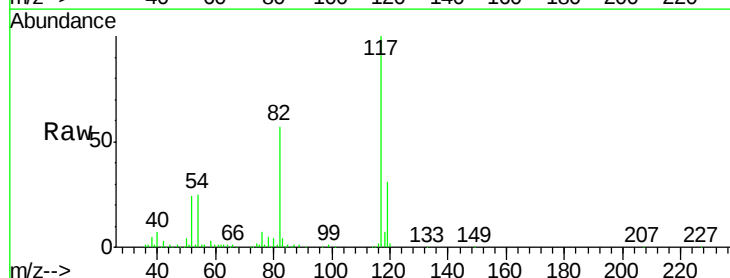
Tgt Ion: 117 Resp: 305314

Ion Ratio Lower Upper

117 100

82 57.3 45.2 67.8

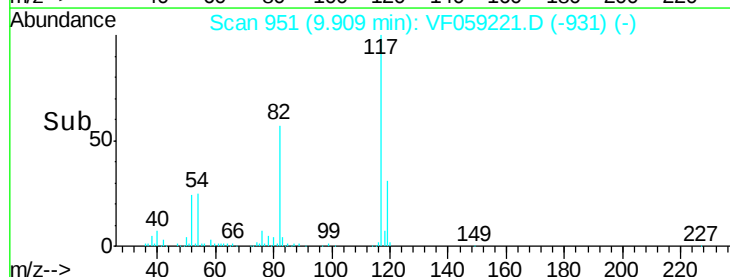
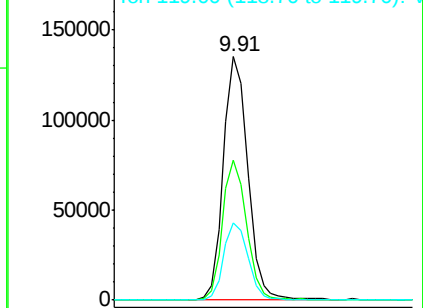
119 31.5 27.5 41.3

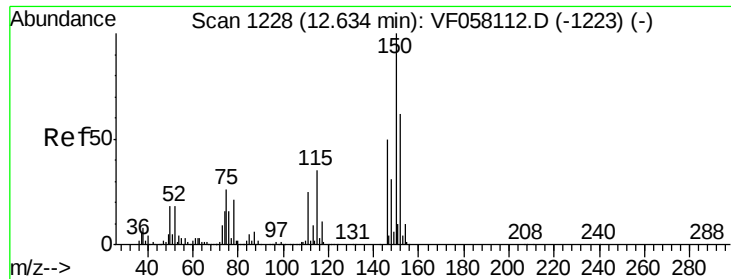


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



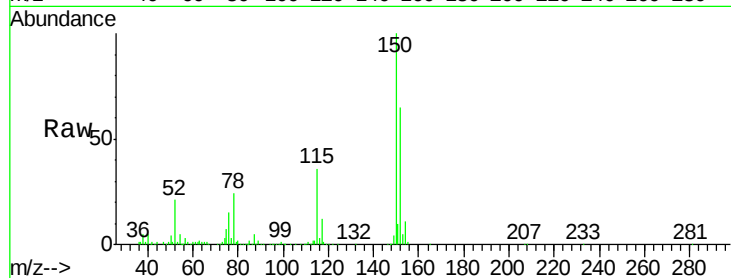


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059221.D
Acq: 20 Jun 2018 8:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.5	85.5
150	153.5	0.0	323.8



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

