

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059211.D
 Acq On : 20 Jun 2018 3:30
 Operator : VA/AP
 Sample : J3249-03
 Misc : 6.51g/5mL/MSVOA-F/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 06:54:40 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	5.04	168	242395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	392532	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	379622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	223812	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	181667	61.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.60%	
35) Dibromofluoromethane	4.29	113	171968	62.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.88%	
50) Toluene-d8	7.70	98	370236	45.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	11.50	95	208677	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	

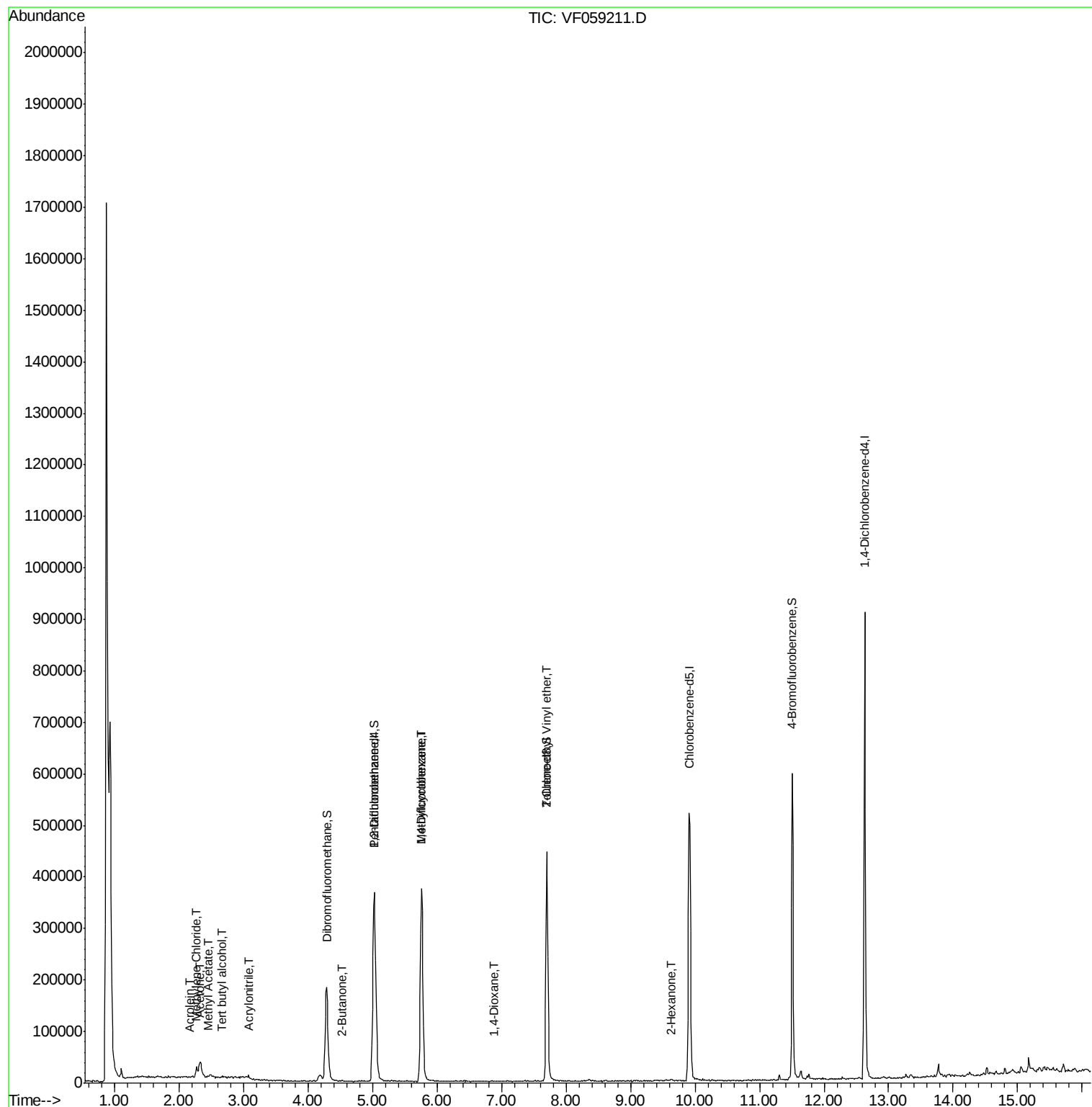
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	990	5.256	ug/l #	1
13) Acrolein	2.16	56	394	2.417	ug/l	84
15) Acrylonitrile	3.08	53	516	1.379	ug/l #	58
16) Acetone	2.34	43	34917	49.747	ug/l	94
18) Methyl Acetate	2.45	43	1761	1.459	ug/l #	81
20) Methylene Chloride	2.28	84	8703	5.178	ug/l	89
25) 2-Butanone	4.52	43	1199	1.102	ug/l #	56
39) Methylcyclohexane	5.76	83	4723	1.218	ug/l #	41
49) 1,4-Dioxane	6.87	88	71	17.561	ug/l #	16
58) 2-Chloroethyl Vinyl ether	7.71	63	330	1.588	ug/l	100
59) 2-Hexanone	9.62	43	3167	1.855	ug/l	95
89) n-Butylbenzene	12.91	91	1315	Below Cal	#	79

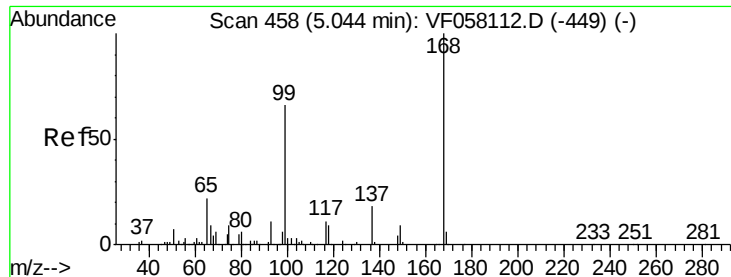
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

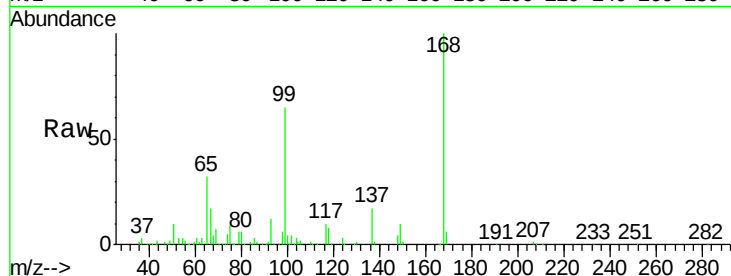
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 242395

Ion Ratio Lower Upper

168 100

99 65.4 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

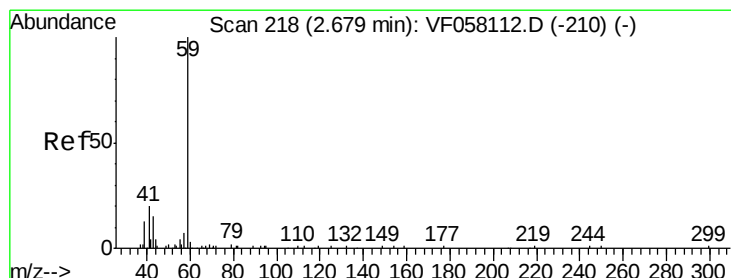
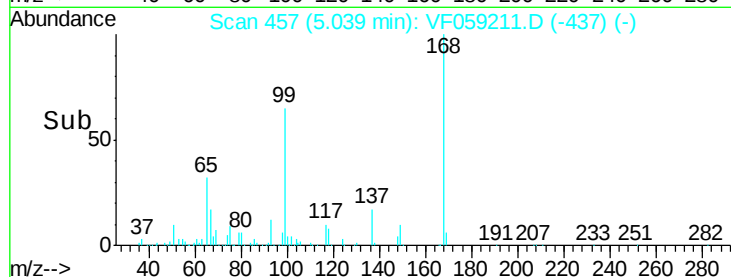
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#11

Tert butyl alcohol

Concen: 5.256 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.01 min

Lab File: VF059211.D

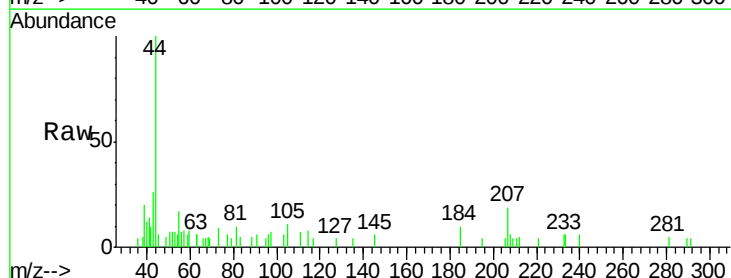
Acq: 20 Jun 2018 3:30

Tgt Ion: 59 Resp: 990

Ion Ratio Lower Upper

59 100

57 54.4 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

500

400

300

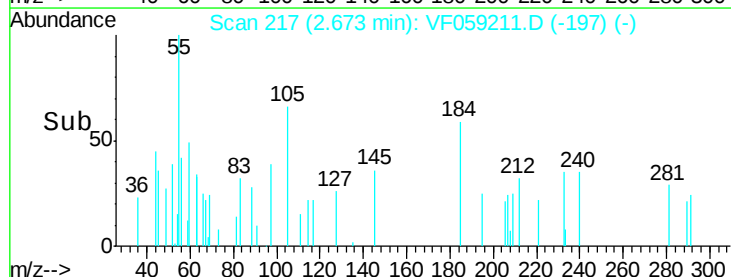
200

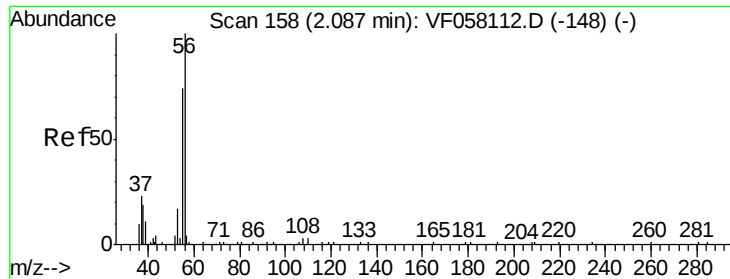
100

0

2.65 2.70

Time-->





#13

Acrolein

Concen: 2.417 ug/l

RT: 2.16 min Scan# 165

Delta R.T. 0.07 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

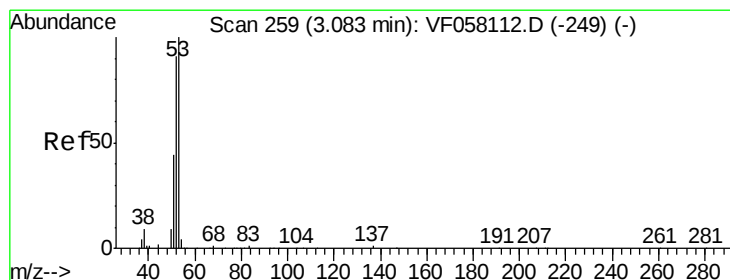
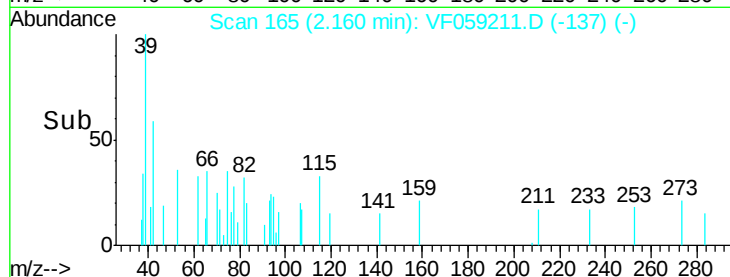
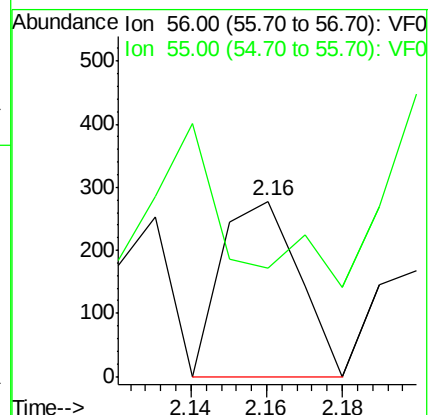
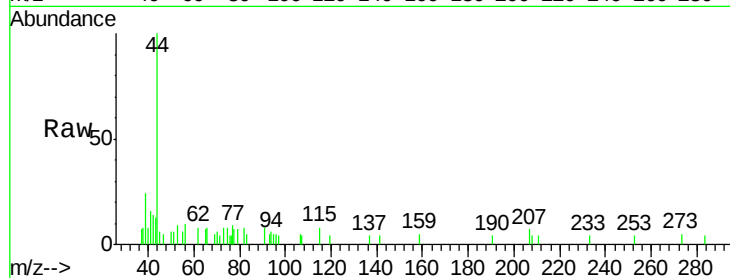
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 394

Ion Ratio Lower Upper

56 100

55 61.5 60.0 90.0



#15

Acrylonitrile

Concen: 1.379 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

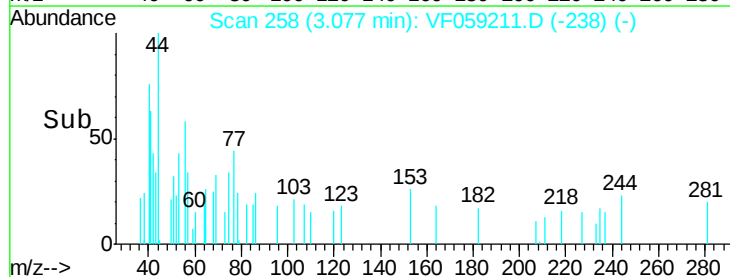
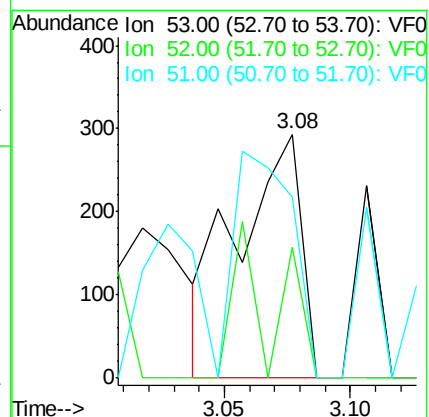
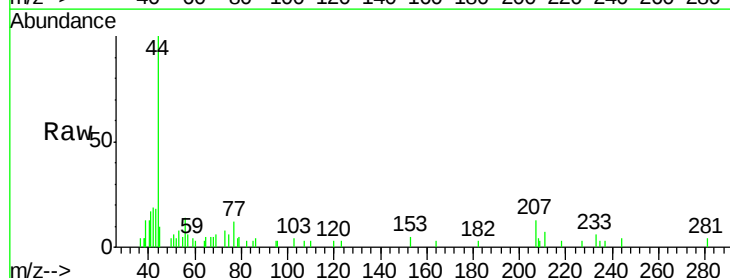
Tgt Ion: 53 Resp: 516

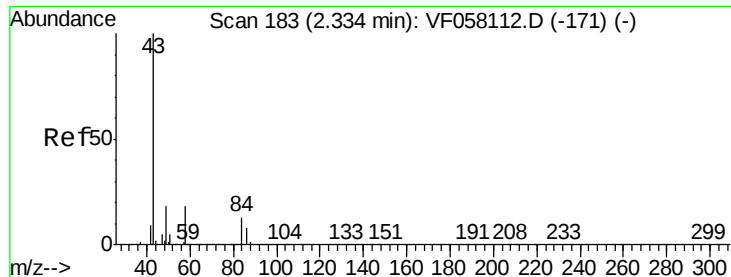
Ion Ratio Lower Upper

53 100

52 53.6 73.2 109.8#

51 74.4 35.6 53.4#

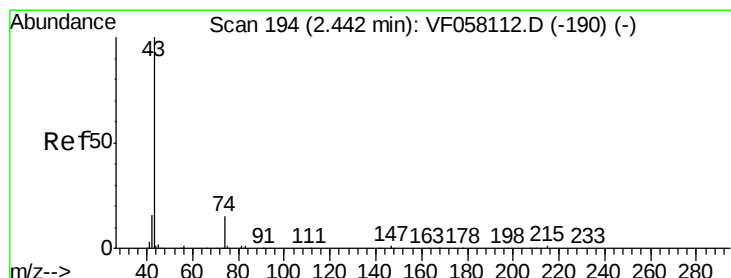
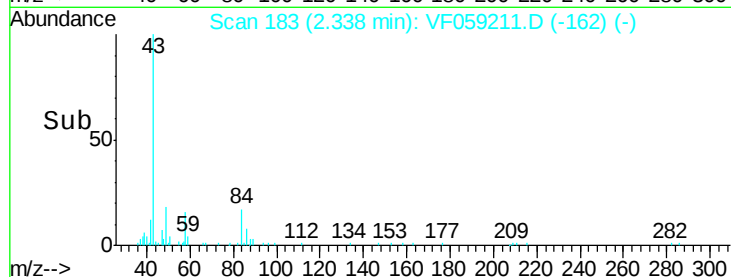
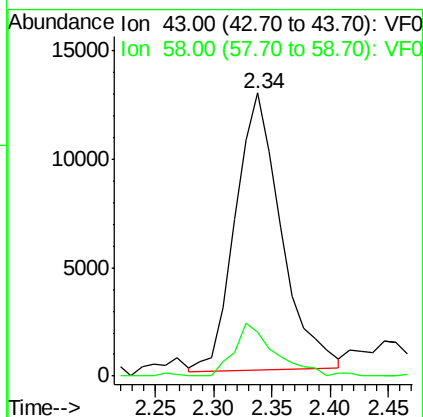
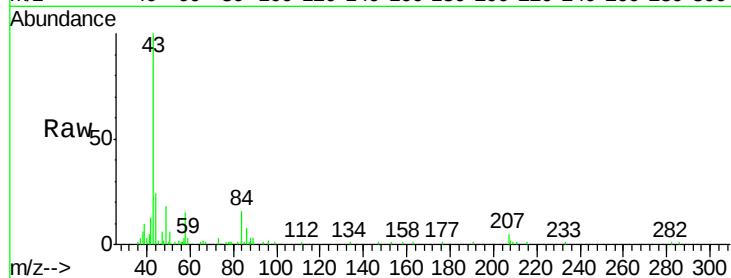




#16
Acetone
Concen: 49.747 ug/l
RT: 2.34 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

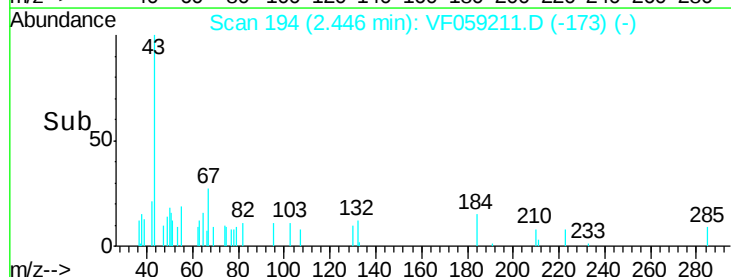
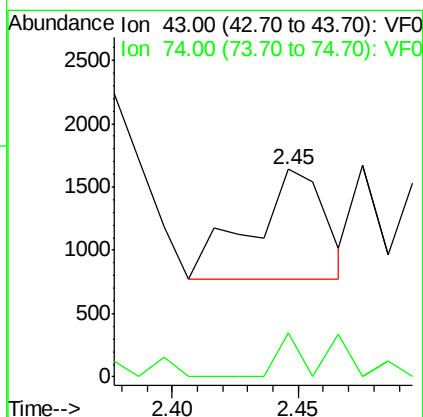
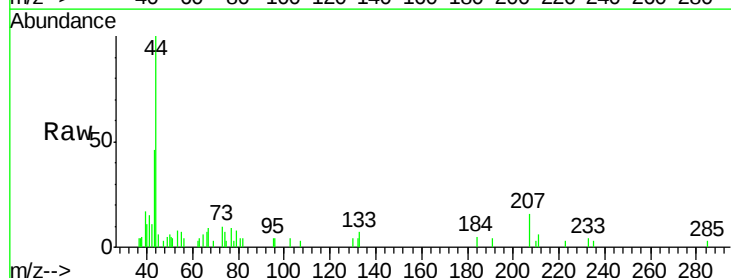
Instrument :
MSVOA_F
ClientSampleId :

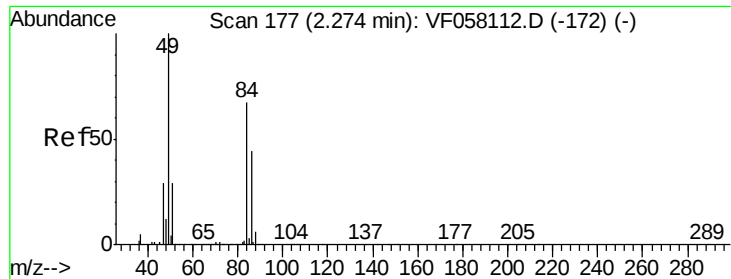
Tot Ion: 43 Resp: 34917
Ion Ratio Lower Upper
43 100
58 15.5 14.4 21.6



#18
Methyl Acetate
Concen: 1.459 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
74 21.4 10.9 16.3#

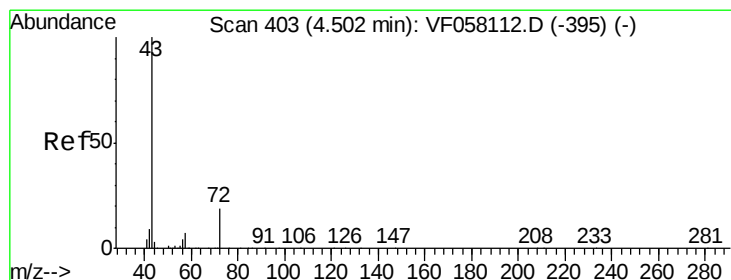
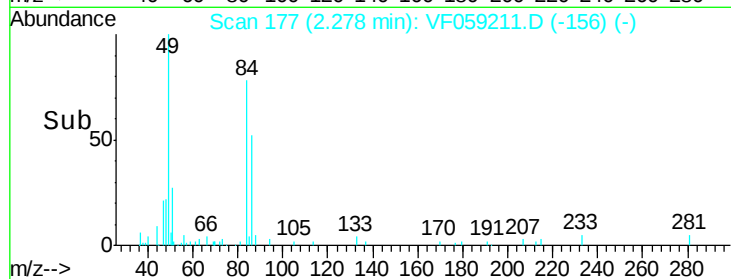
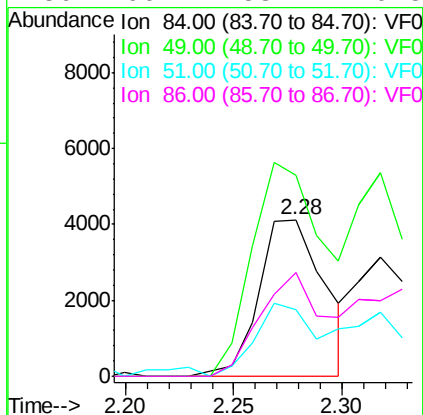
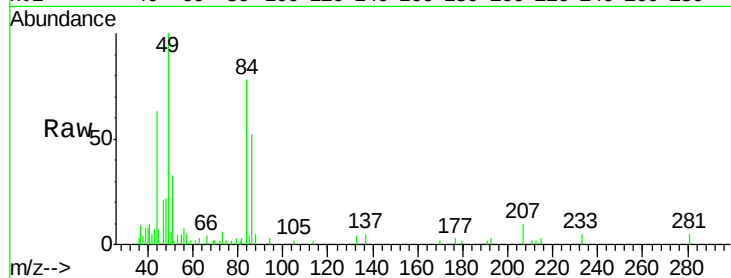




#20
Methvlene Chloride
Concen: 5.178 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

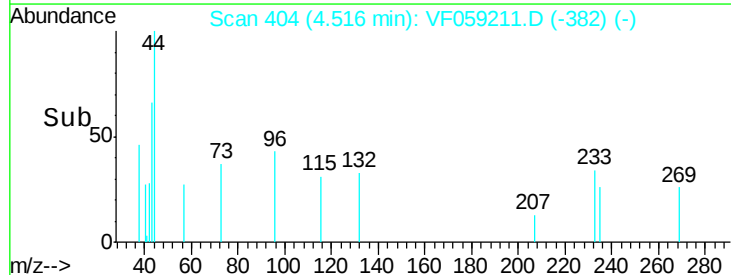
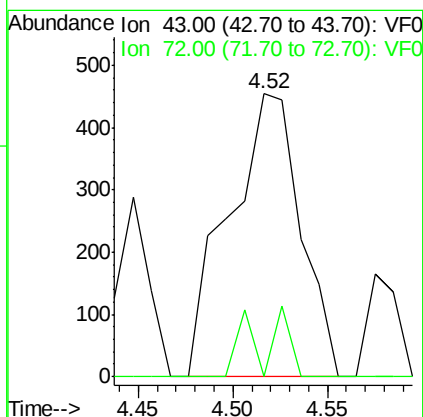
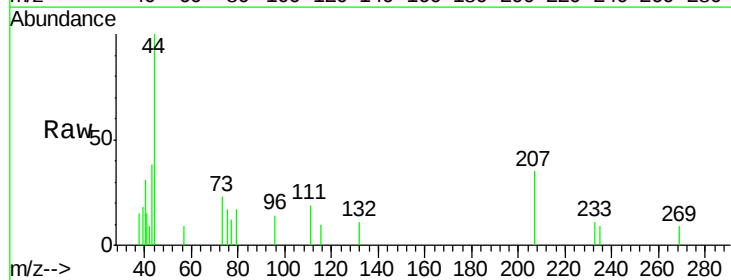
Instrument :
MSVOA_F
ClientSampleId :

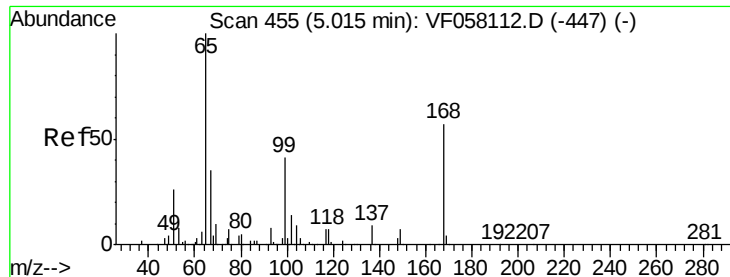
Tot Ion: 84 Resp: 8703
Ion Ratio Lower Upper
84 100
49 128.7 121.0 181.4
51 45.7 35.8 53.6
86 66.7 53.2 79.8



#25
2-Butanone
Concen: 1.102 ug/l
RT: 4.52 min Scan# 404
Delta R.T. 0.01 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

Tgt Ion: 43 Resp: 1199
Ion Ratio Lower Upper
43 100
72 0.0 16.1 24.1#





#33

1,2-Dichloroethane-d4

Concen: 61.797 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

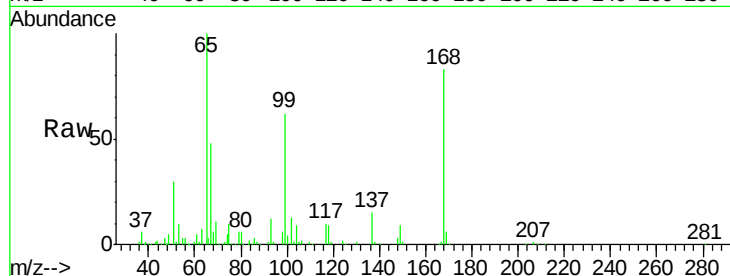
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 181667

Ion Ratio Lower Upper

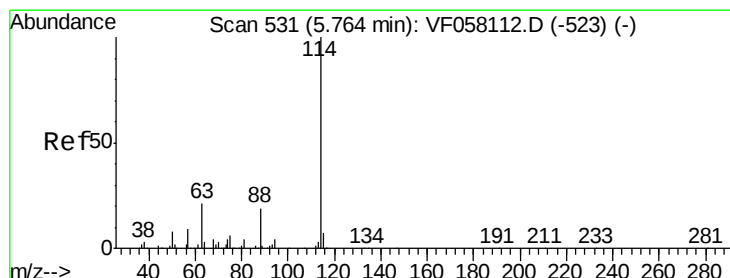
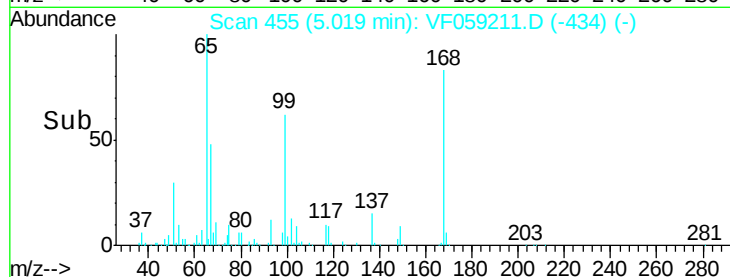
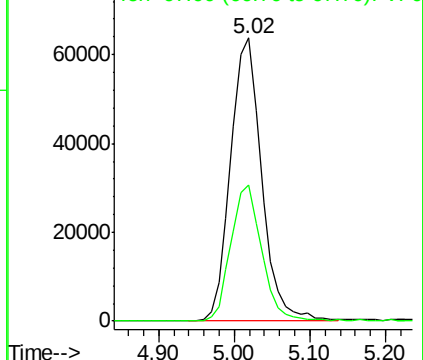
65 100

67 48.1 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. -0.01 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

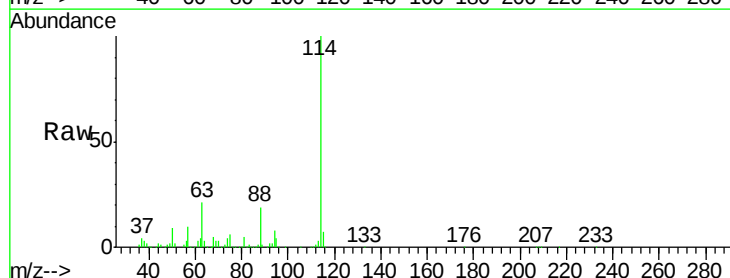
Tgt Ion: 114 Resp: 392532

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

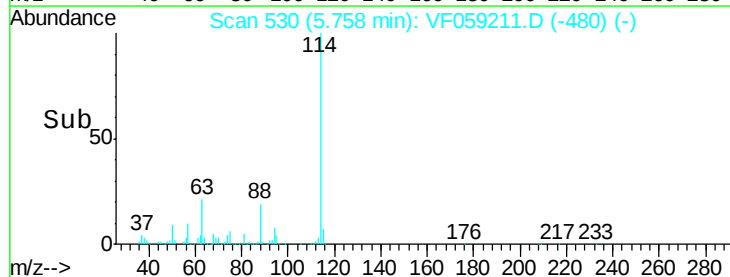
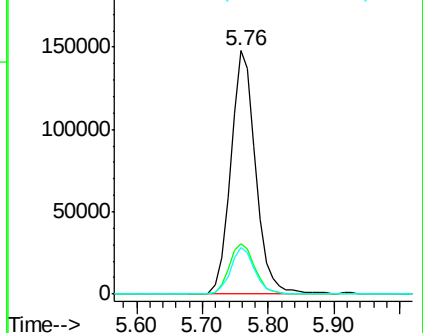
88 19.1 0.0 38.8

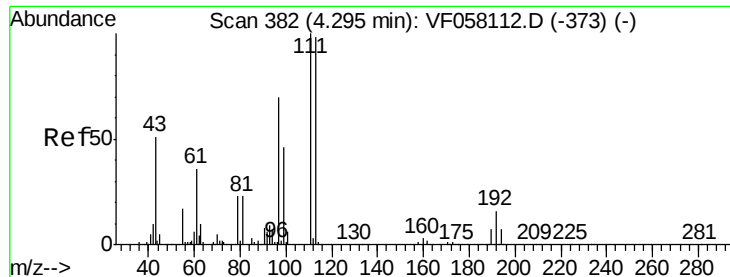


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

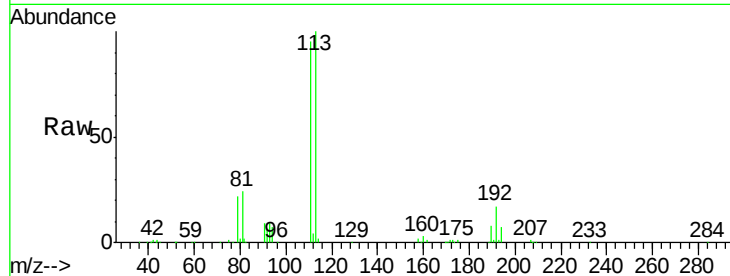




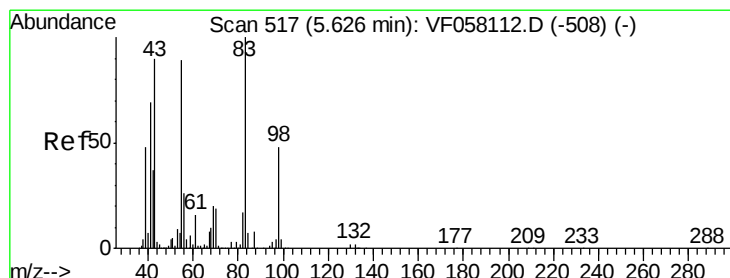
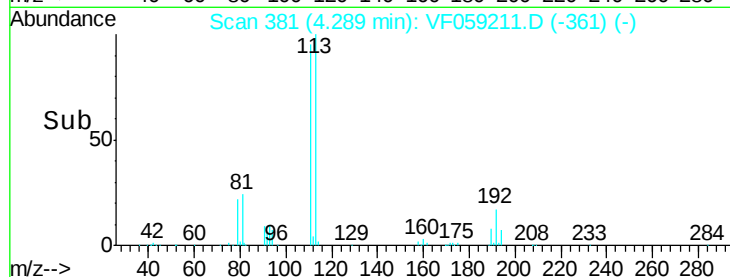
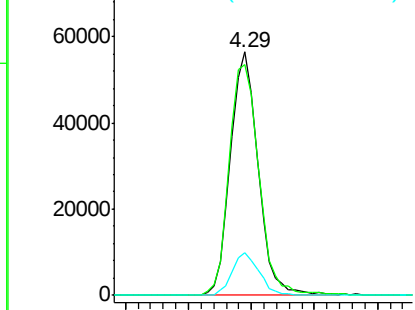
#35
Dibromofluoromethane
Concen: 62.436 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:113 Resp: 171968
Ion Ratio Lower Upper
113 100
111 94.9 81.3 121.9
192 17.4 12.7 19.1

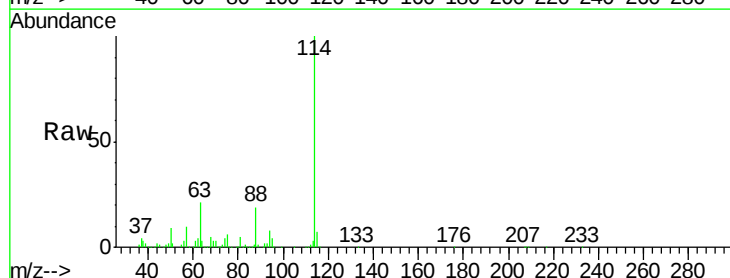


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

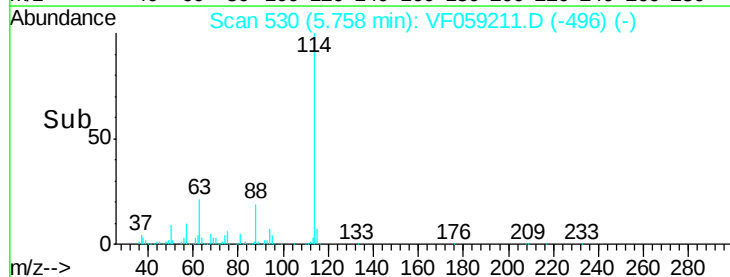
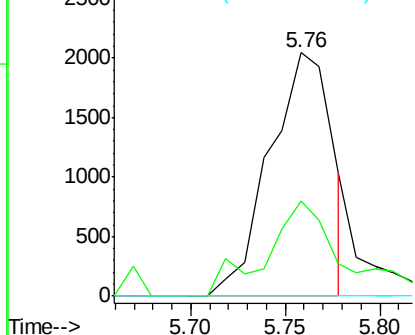


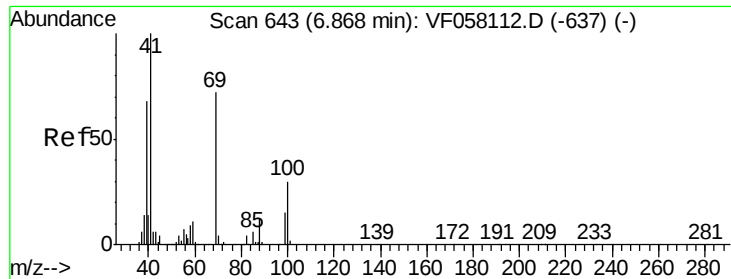
#39
Methylcyclohexane
Concen: 1.218 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.13 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

Tgt Ion: 83 Resp: 4723
Ion Ratio Lower Upper
83 100
55 39.1 71.0 106.4#
98 0.0 38.1 57.1#



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

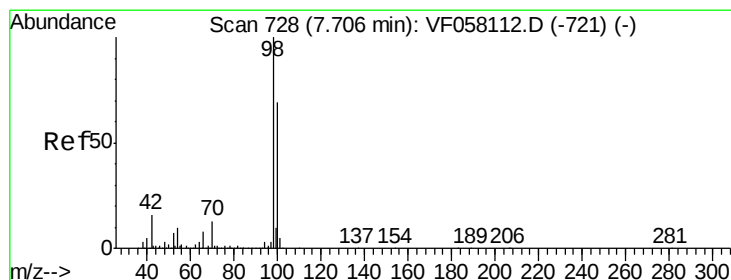
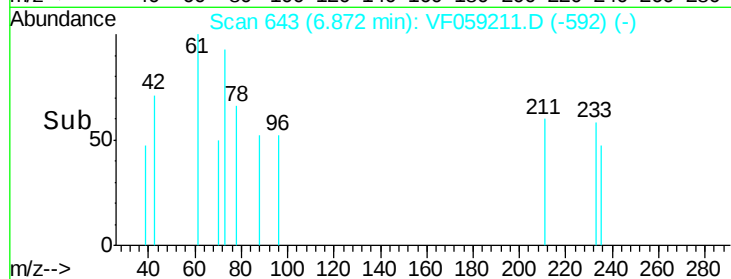
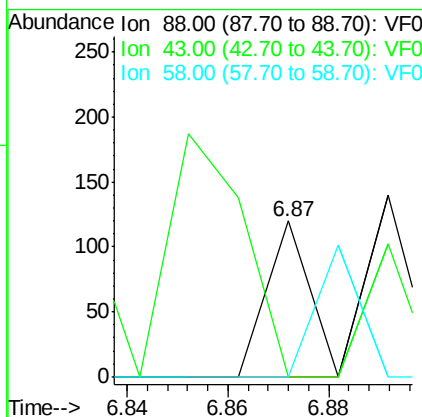
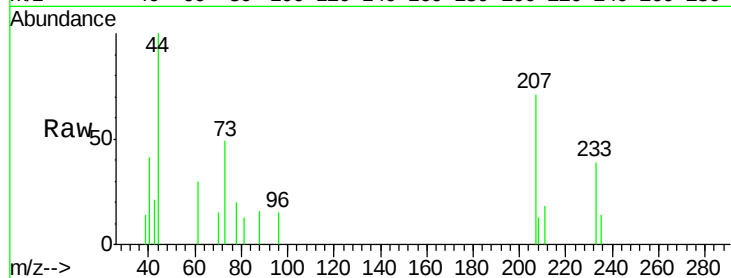




#49
1,4-Dioxane
Concen: 17.561 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

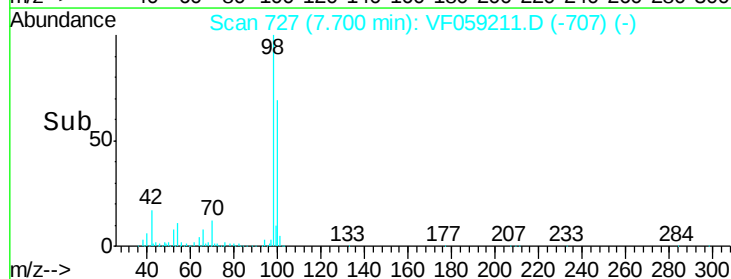
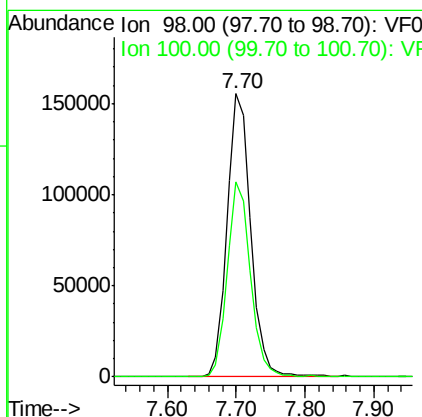
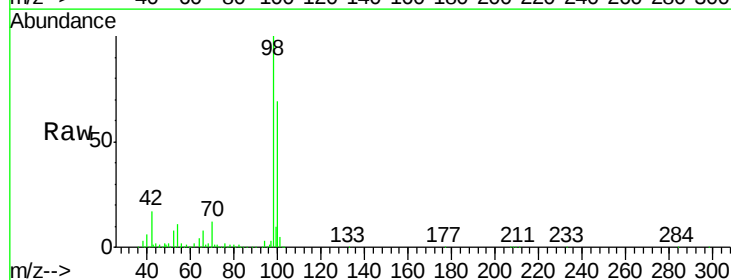
Instrument :
MSVOA_F
ClientSampled :

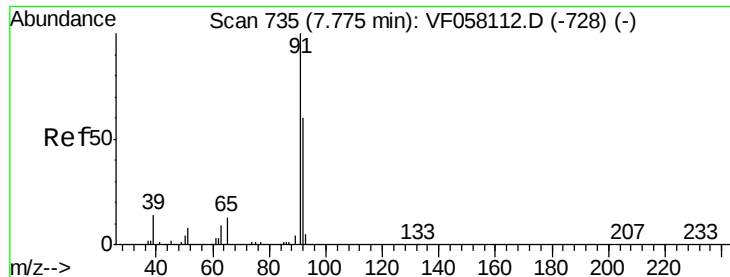
Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 47.8 71.8#
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 45.756 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059211.D
Acq: 20 Jun 2018 3:30

Tgt Ion: 98 Resp: 370236
Ion Ratio Lower Upper
98 100
100 68.8 55.6 83.4





#58

2-Chloroethyl Vinyl ether

Concen: 1.588 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.07 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

Instrument :

MSVOA_F

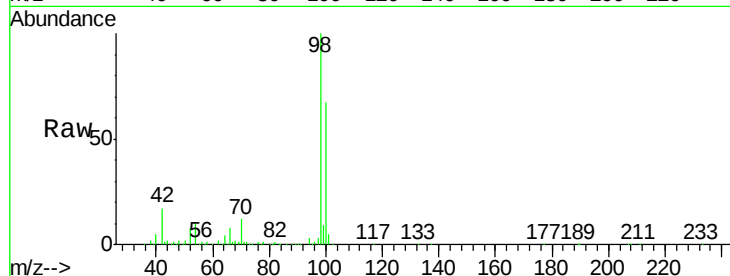
ClientSampleId :

Tot Ion: 63 Resp: 330

Ion Ratio Lower Upper

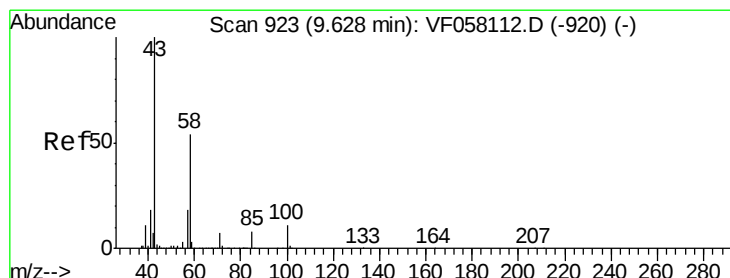
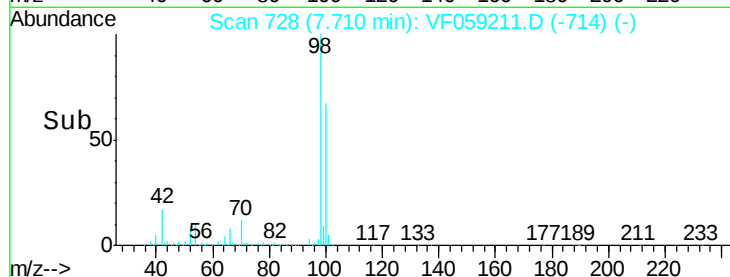
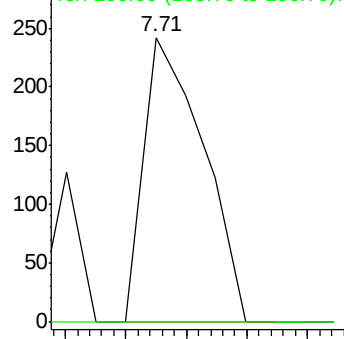
63 100

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



#59

2-Hexanone

Concen: 1.855 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: VF059211.D

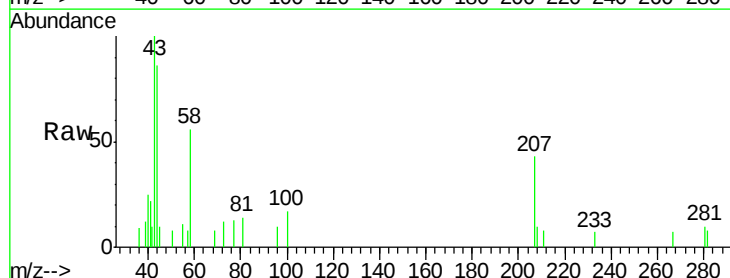
Acq: 20 Jun 2018 3:30

Tgt Ion: 43 Resp: 3167

Ion Ratio Lower Upper

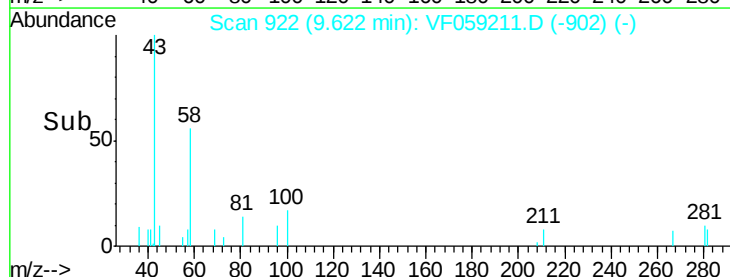
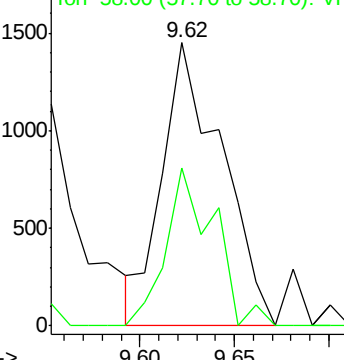
43 100

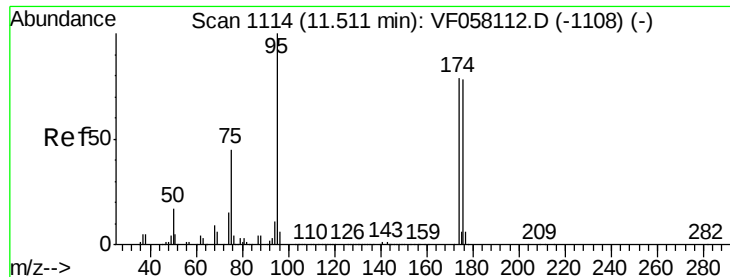
58 55.7 26.3 78.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 50.281 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

Instrument :

MSVOA_F

ClientSampleId :

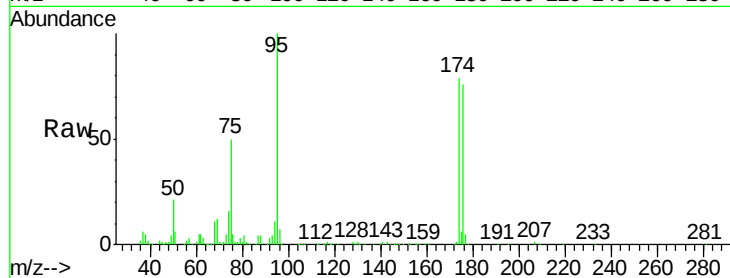
Tot Ion: 95 Resp: 208677

Ion Ratio Lower Upper

95 100

174 79.2 0.0 157.8

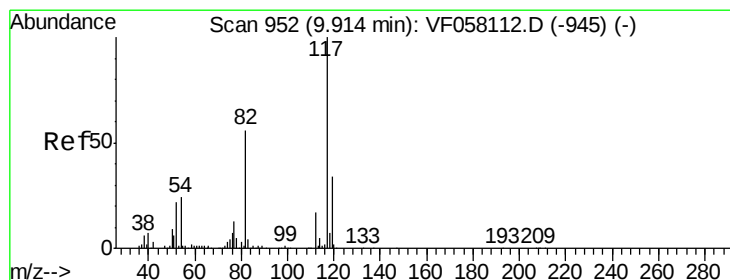
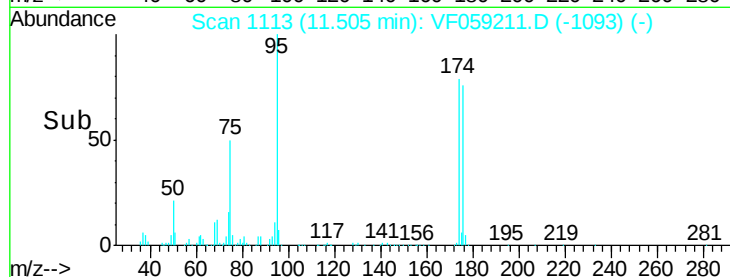
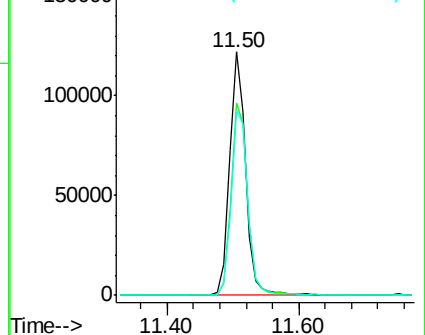
176 76.1 0.0 155.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059211.D

Acq: 20 Jun 2018 3:30

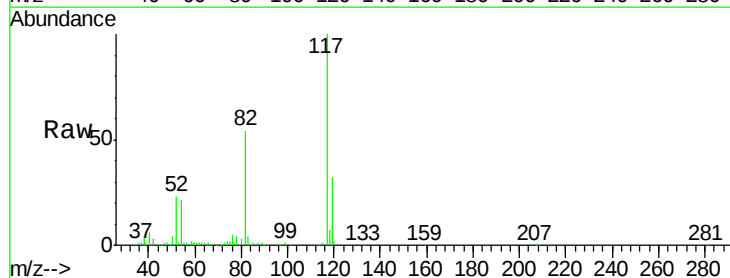
Tgt Ion: 117 Resp: 379622

Ion Ratio Lower Upper

117 100

82 54.0 45.2 67.8

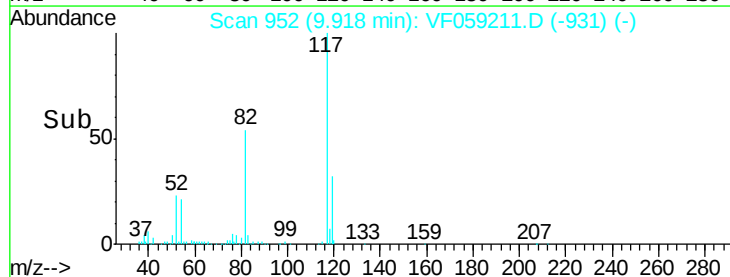
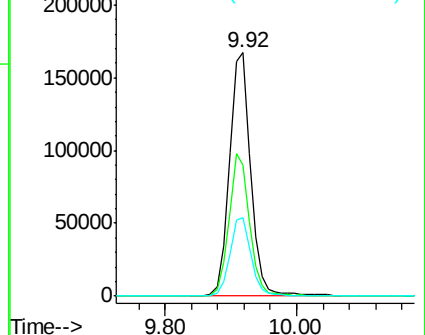
119 32.0 27.5 41.3

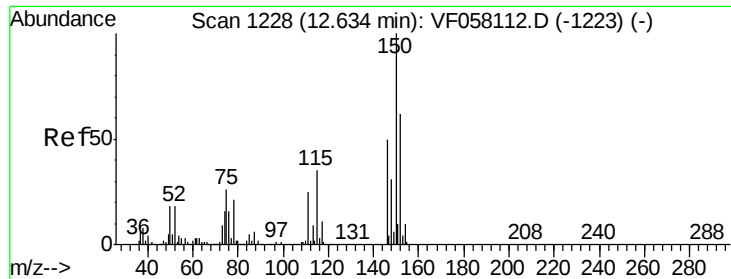


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



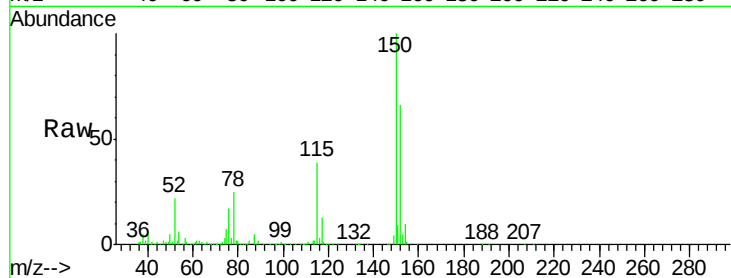


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059211.D
 Acq: 20 Jun 2018 3:30

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.4	28.5	85.5
150	150.5	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

