

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059577.D
 Acq On : 20 Jul 2018 1:30
 Operator : VA/AP
 Sample : J4057-13
 Misc : 5.87g/5mL/MSVOA F/SOIL
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jul 20 07:09:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	233228	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	349384	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	298970	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.63	152	148832	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	170023	46.87	ug/l	-0.02
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	4.29	113	149629	49.45	ug/l	-0.01
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	7.70	98	274131	35.96	ug/l	-0.02
Spiked Amount			Recovery	=	71.92%	
62) 4-Bromofluorobenzene	11.51	95	154515	38.64	ug/l	-0.01
Spiked Amount			Recovery	=	77.28%	

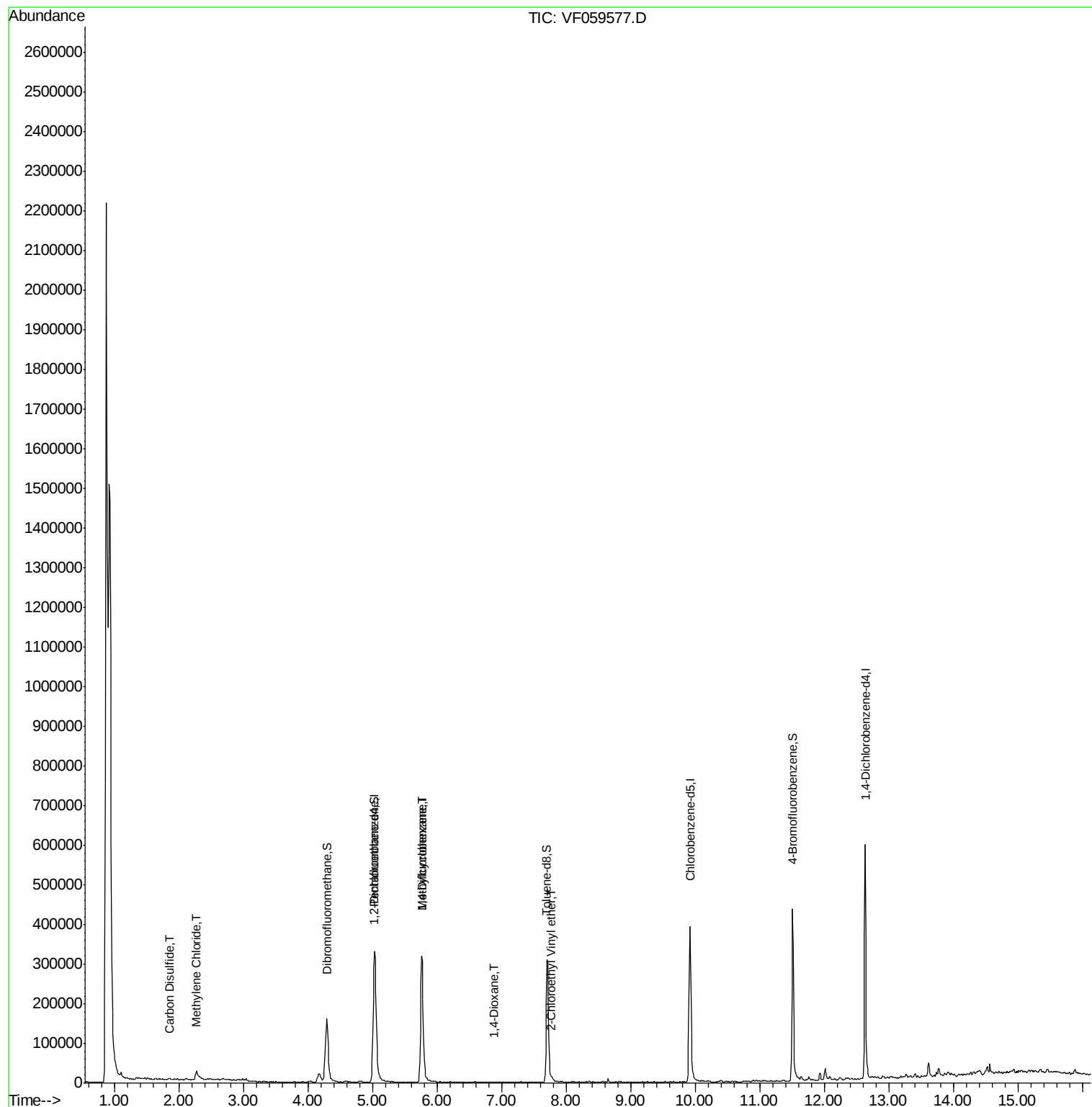
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.67	59	1344	Below Cal	#	77
13) Acrolein	2.14	56	268	Below Cal	#	8
16) Acetone	2.31	43	1978	Below Cal		99
17) Carbon Disulfide	1.84	76	6432	1.439	ug/l #	89
18) Methyl Acetate	2.31	43	1690	Below Cal		95
20) Methylene Chloride	2.28	84	11759	2.865	ug/l #	70
29) Tetrahydrofuran	4.29	42	134	Below Cal	#	1
37) Ethyl Acetate	4.32	43	201	Below Cal	#	41
39) Methylcyclohexane	5.76	83	3921	1.477	ug/l #	42
49) 1,4-Dioxane	6.87	88	277	16.165	ug/l #	60
58) 2-Chloroethyl Vinyl ether	7.77	63	668	3.200	ug/l	100

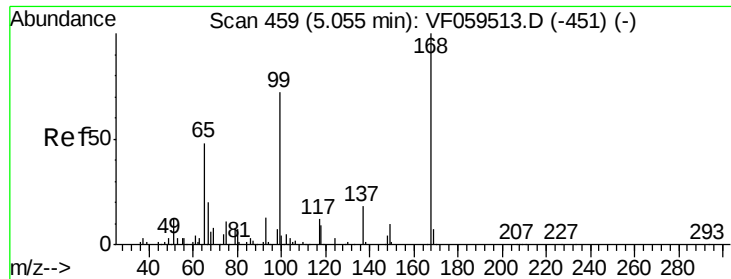
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 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: VF059577.D

Acq: 20 Jul 2018 1:30

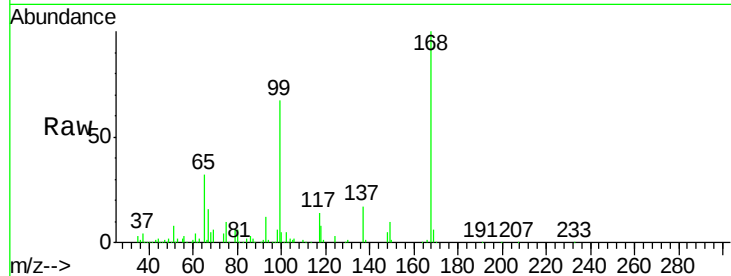
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 233228

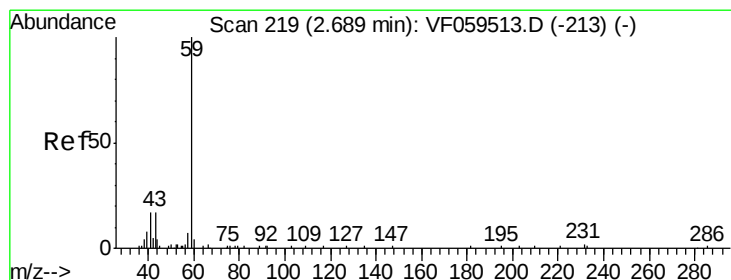
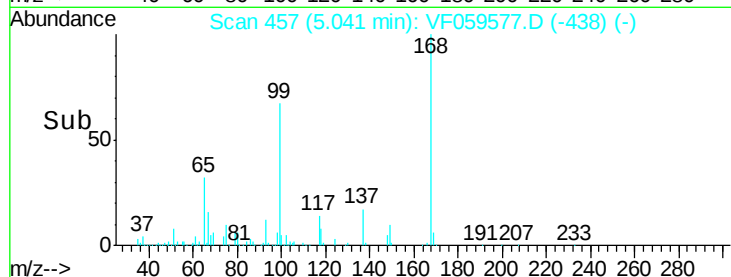
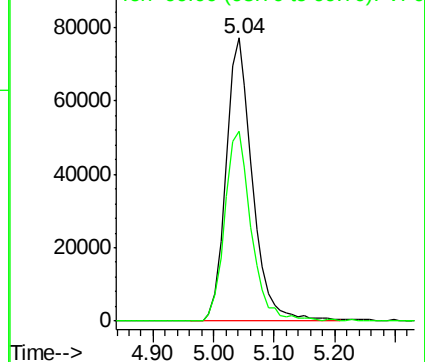
Ion Ratio Lower Upper

168 100

99 67.1 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.67 min Scan# 216

Delta R.T. -0.02 min

Lab File: VF059577.D

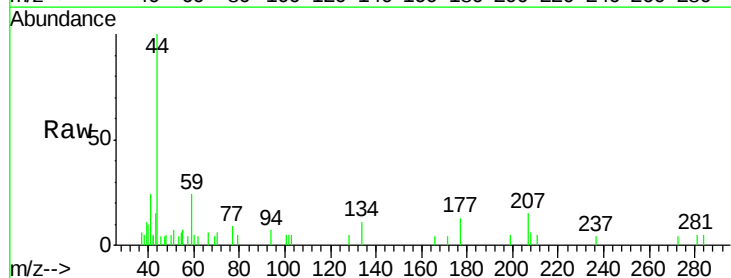
Acq: 20 Jul 2018 1:30

Tgt Ion: 59 Resp: 1344

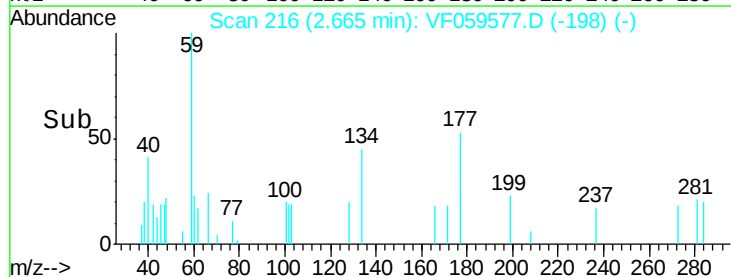
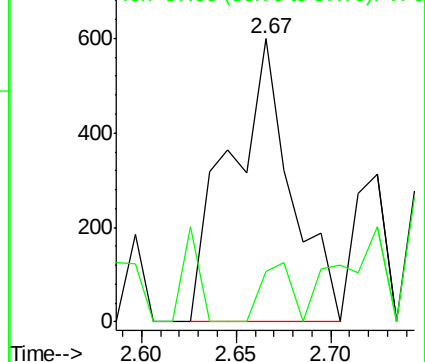
Ion Ratio Lower Upper

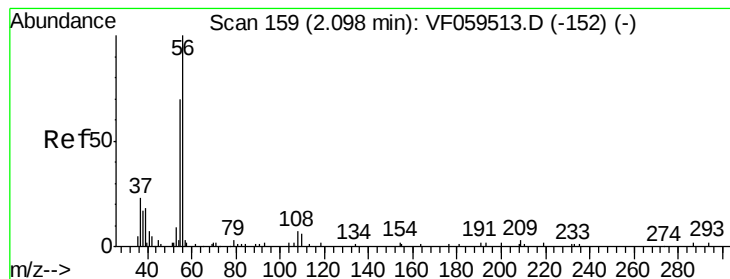
59 100

57 18.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VF0





#13

Acrolein

Concen: Below Cal

RT: 2.14 min Scan# 163

Delta R.T. 0.05 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

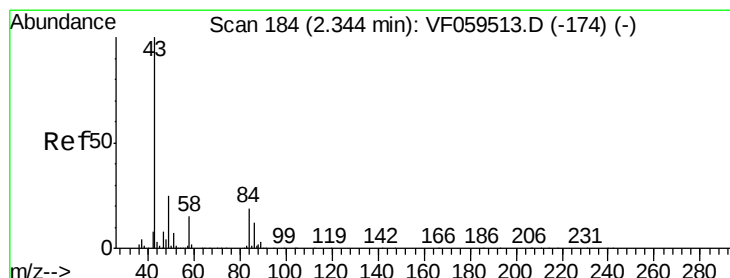
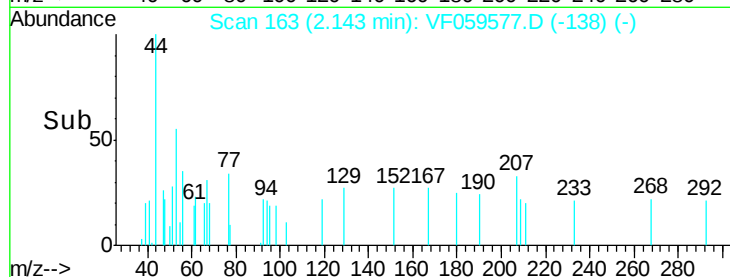
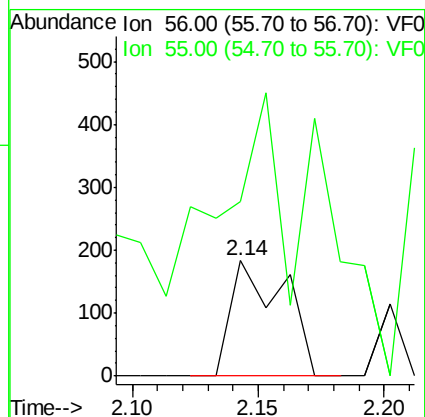
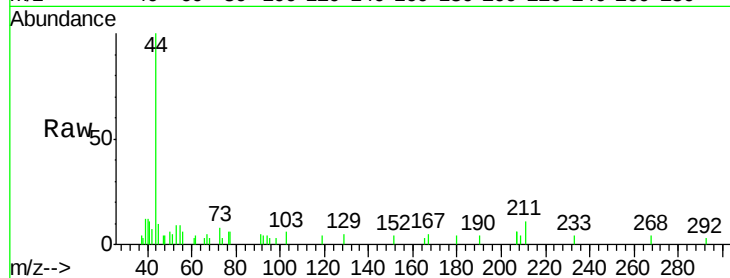
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 151.9 59.4 89.2#



#16

Acetone

Concen: Below Cal

RT: 2.31 min Scan# 180

Delta R.T. -0.03 min

Lab File: VF059577.D

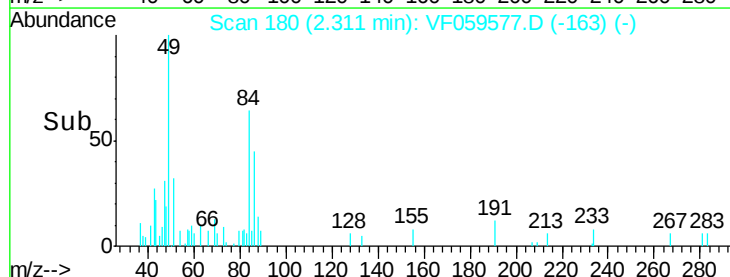
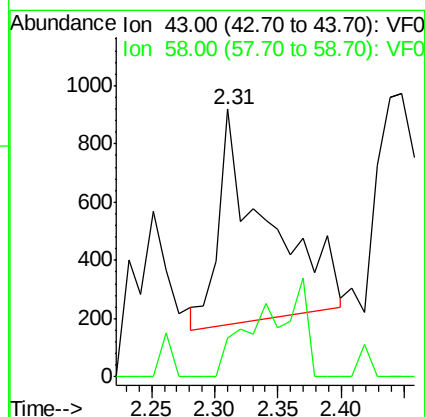
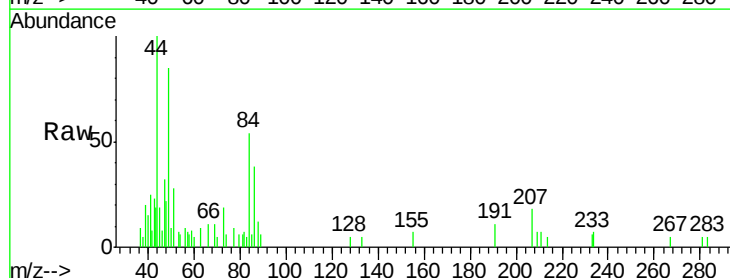
Acq: 20 Jul 2018 1:30

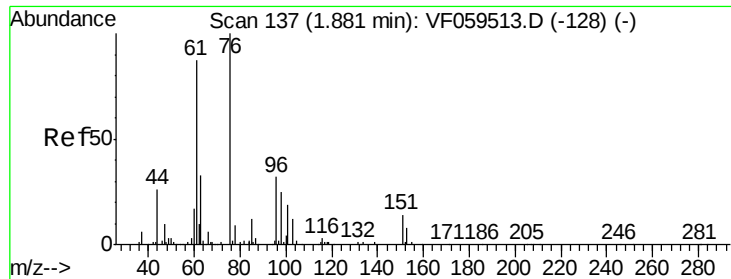
Tgt Ion: 43 Resp: 1978

Ion Ratio Lower Upper

43 100

58 14.5 11.8 17.6

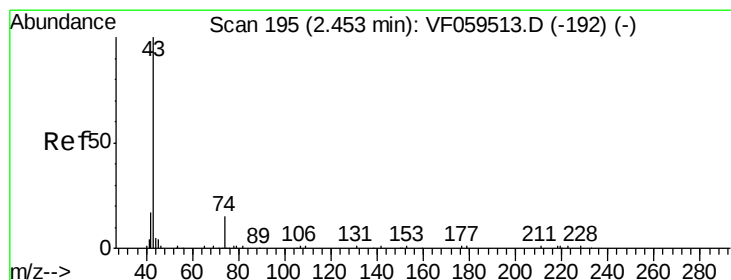
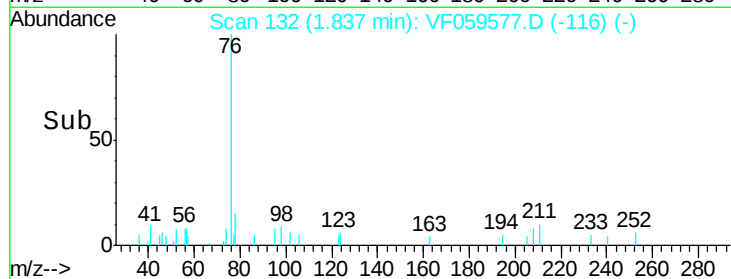
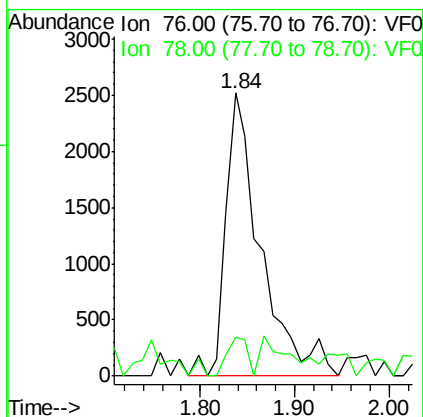
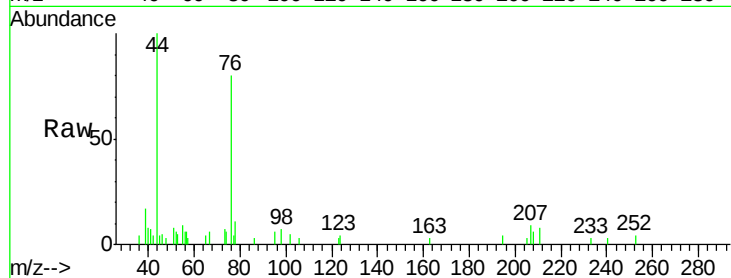




#17
Carbon Disulfide
Concen: 1.439 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.04 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

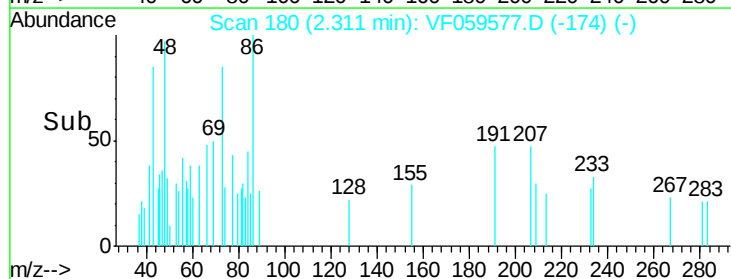
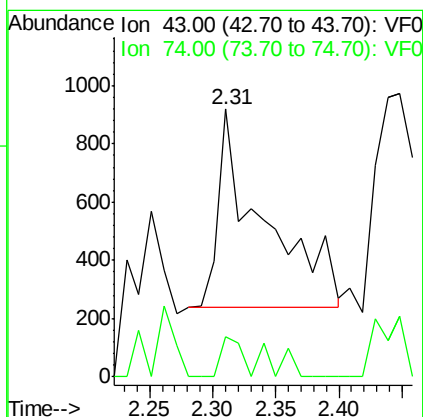
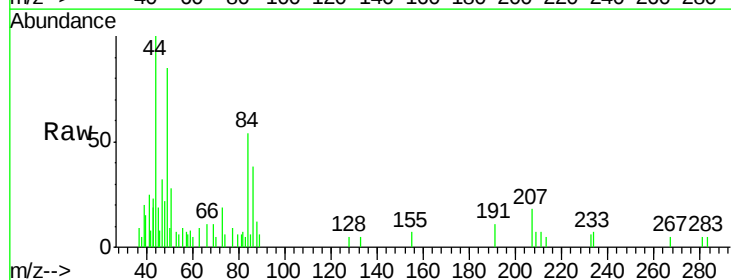
Instrument :
MSVOA_F
ClientSampleId :

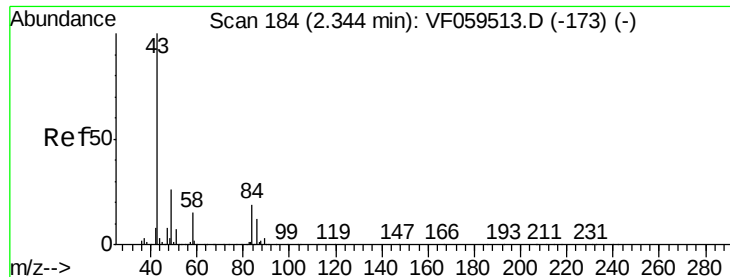
Tot Ion: 76 Resp: 6432
Ion Ratio Lower Upper
76 100
78 13.8 7.8 11.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 2.31 min Scan# 180
Delta R.T. -0.14 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

Tgt Ion: 43 Resp: 1690
Ion Ratio Lower Upper
43 100
74 15.0 10.6 15.8

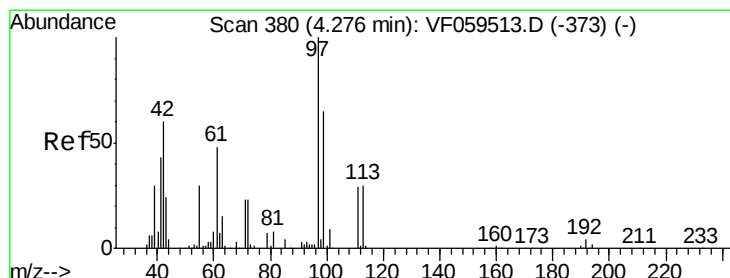
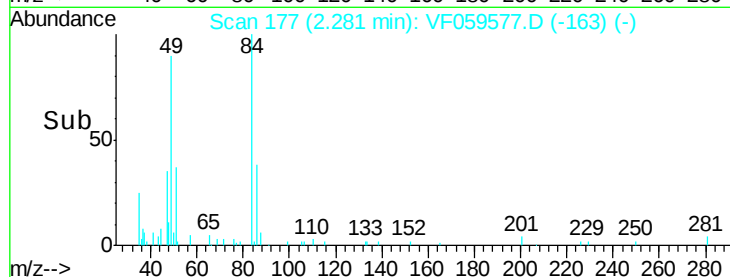
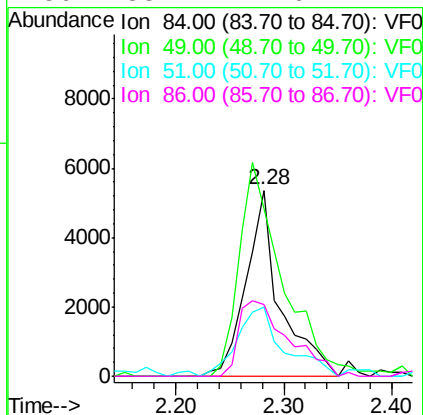
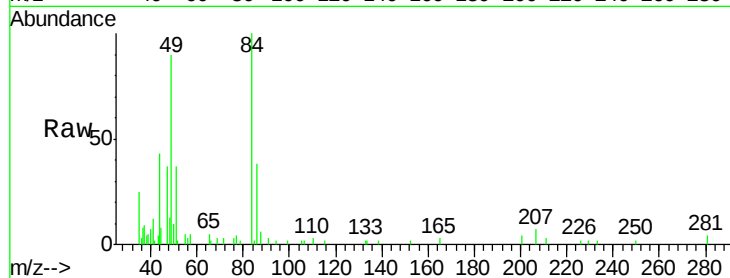




#20
Methvlene Chloride
Concen: 2.865 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.06 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

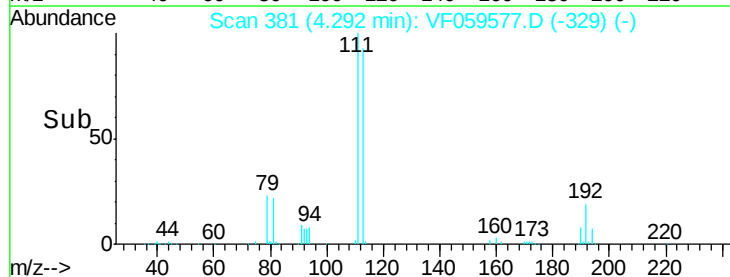
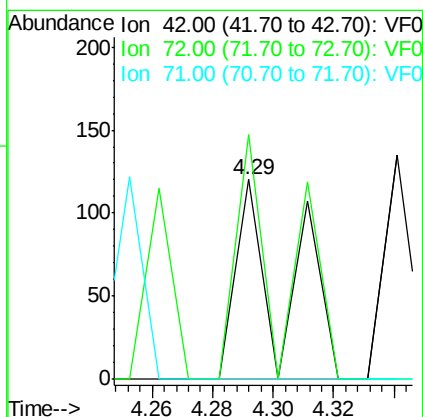
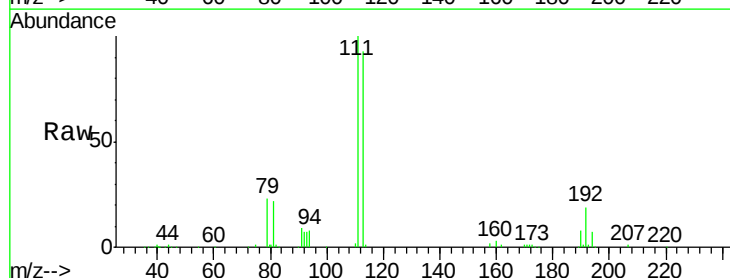
Instrument :
MSVOA_F
ClientSampleId :

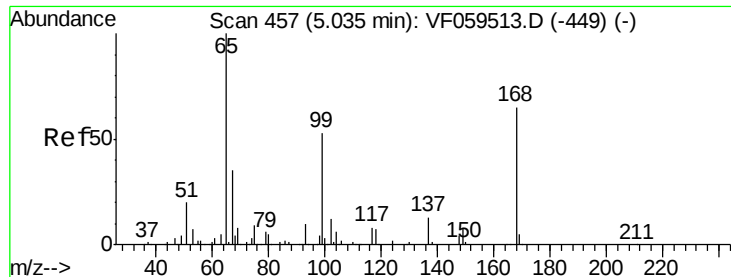
Tot Ion: 84 Resp: 11759
Ion Ratio Lower Upper
84 100
49 89.8 109.4 164.2#
51 37.0 30.5 45.7
86 38.4 47.6 71.4#



#29
Tetrahydrofuran
Concen: Below Cal
RT: 4.29 min Scan# 381
Delta R.T. 0.02 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

Tgt Ion: 42 Resp: 134
Ion Ratio Lower Upper
42 100
72 117.2 28.7 43.1#
71 0.0 30.8 46.2#





#33

1,2-Dichloroethane-d4

Concen: 46.873 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

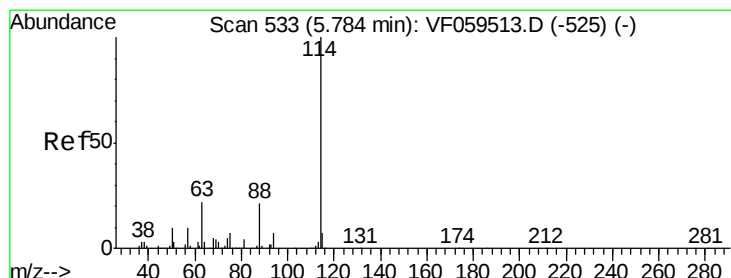
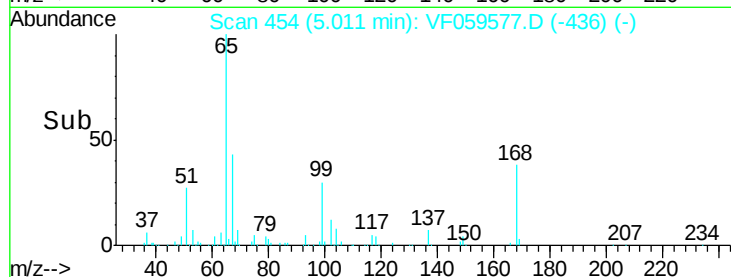
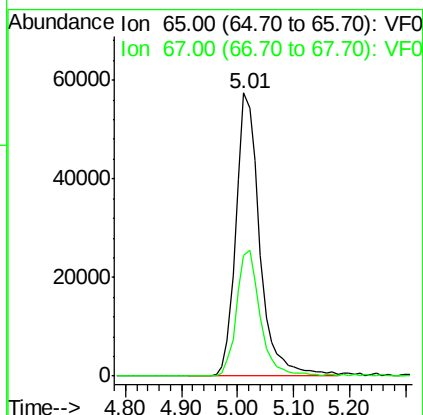
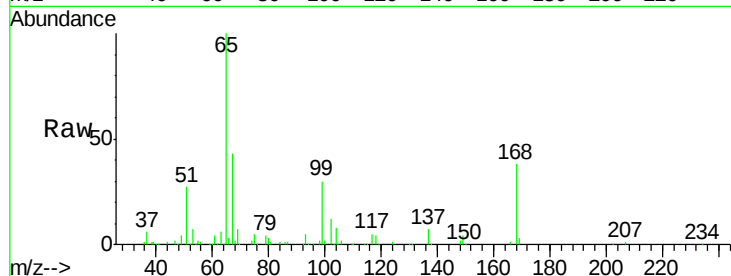
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 170023

Ion Ratio Lower Upper

65 100

67 42.8 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

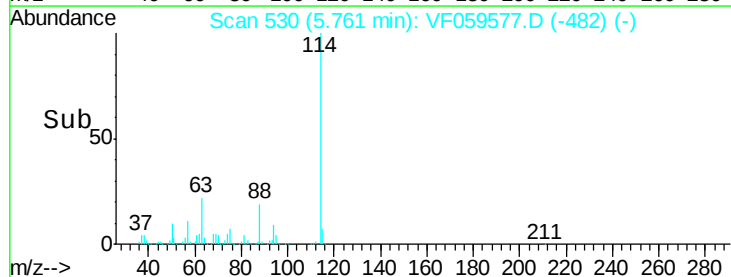
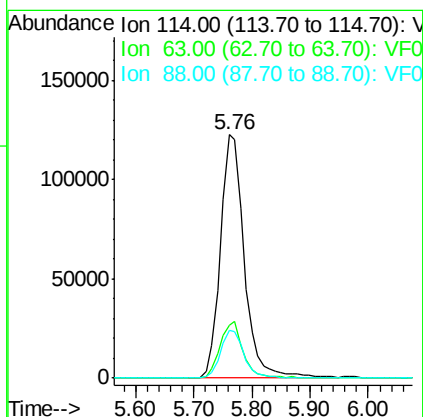
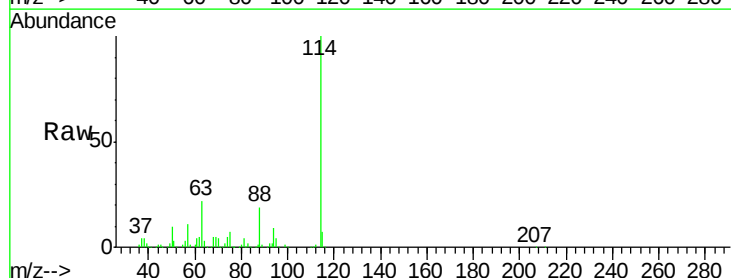
Tgt Ion:114 Resp: 349384

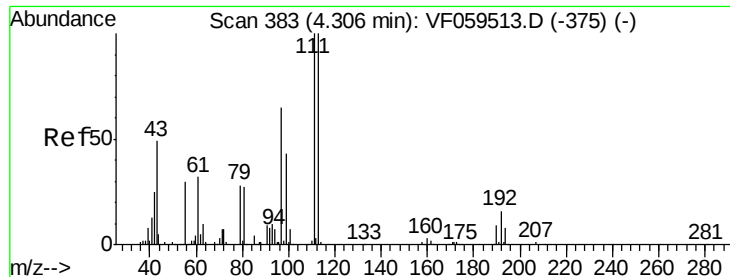
Ion Ratio Lower Upper

114 100

63 22.0 0.0 44.8

88 19.4 0.0 42.6

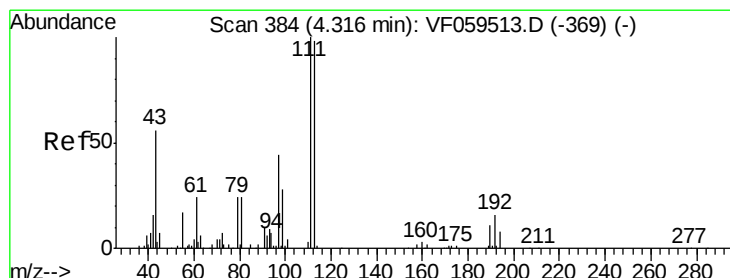
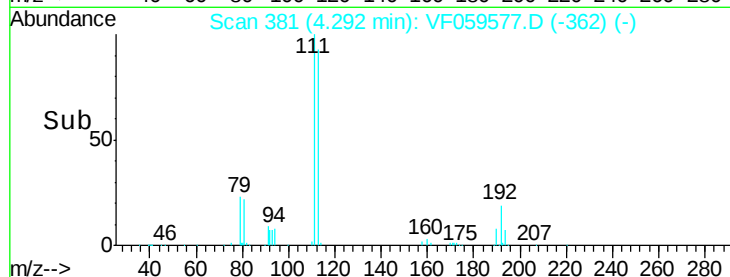
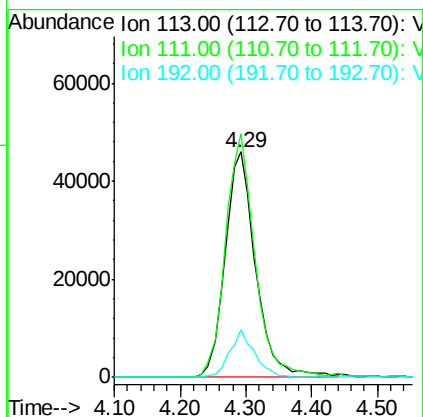
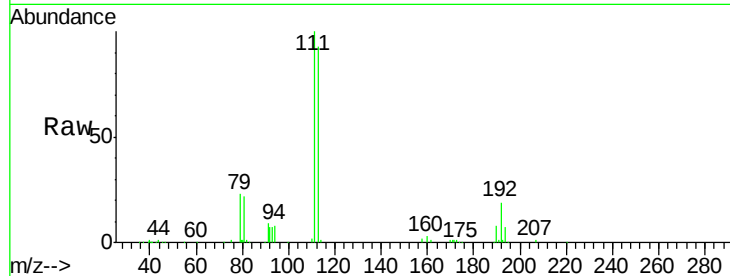




#35
 Dibromofluoromethane
 Concen: 49.449 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059577.D
 Acq: 20 Jul 2018 1:30

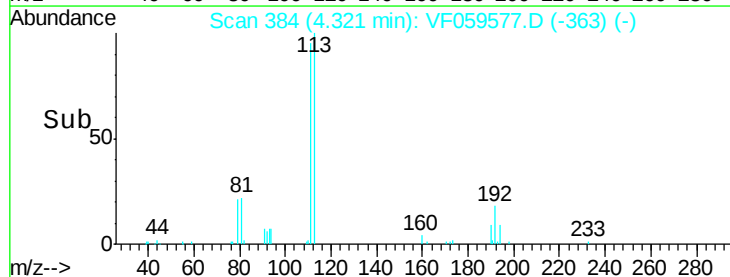
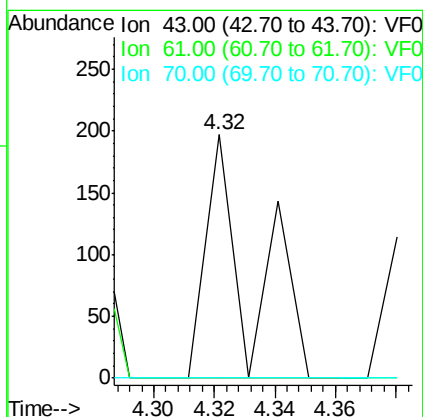
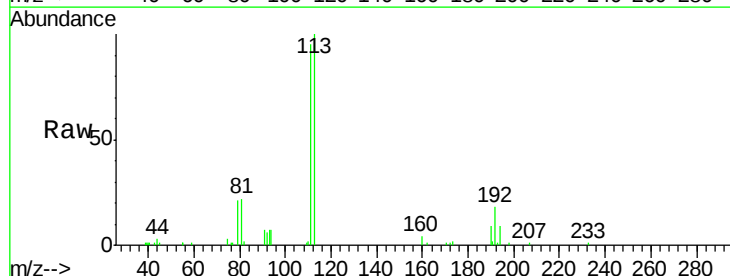
Instrument :
 MSVOA_F
 ClientSampleId :

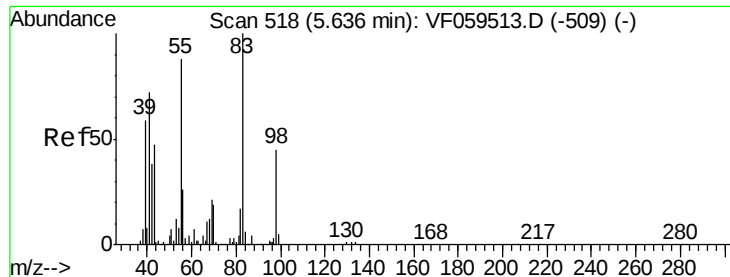
Tot Ion	Ratio	Lower	Upper
113	100		
111	108.0	80.3	120.5
192	21.1	13.1	19.7#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF059577.D
 Acq: 20 Jul 2018 1:30

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	33.7	50.5#
70	0.0	7.4	11.0#

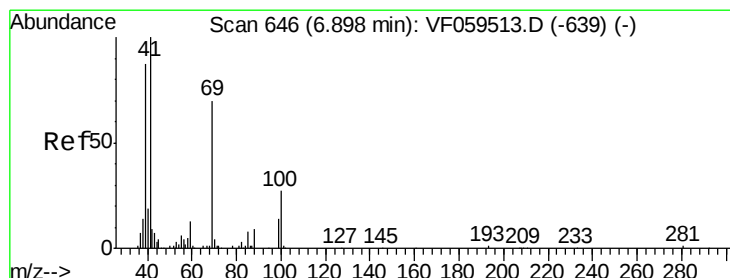
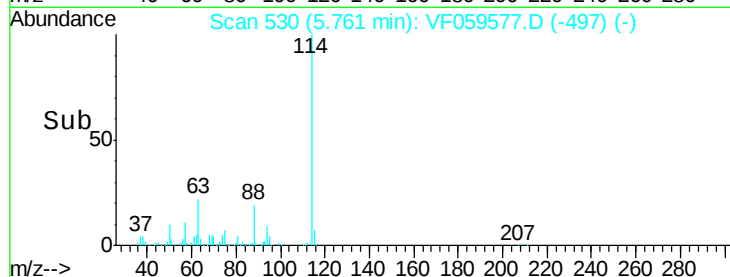
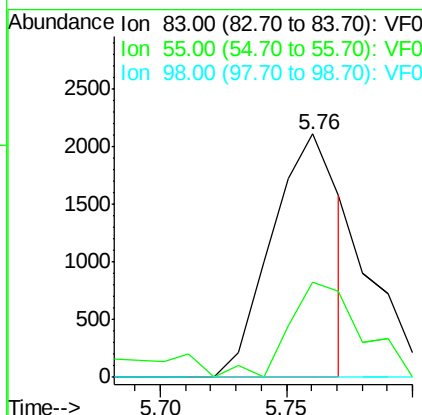
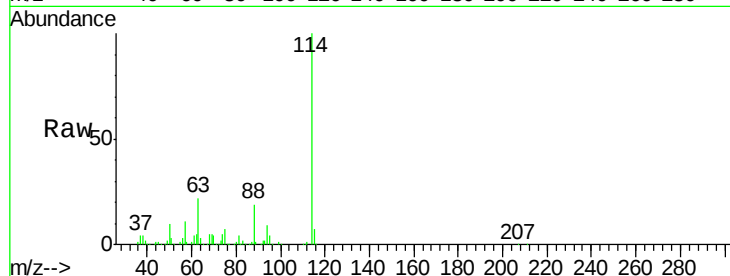




#39
Methvlcvclohexane
Concen: 1.477 ug/l
RT: 5.76 min Scan# 530
Delta R.T. 0.12 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

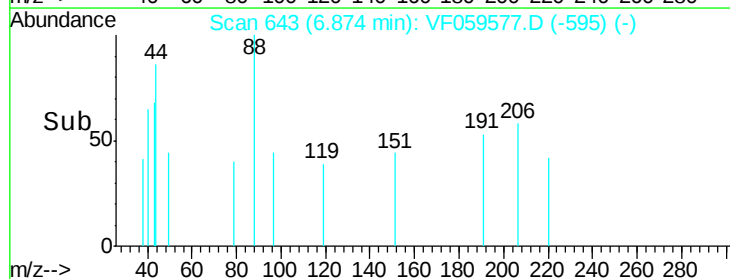
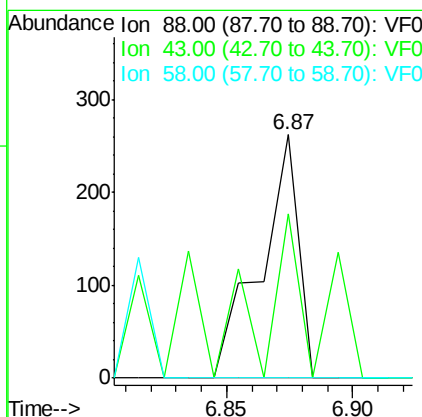
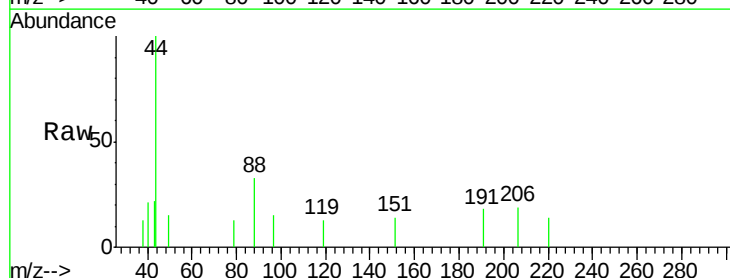
Instrument :
MSVOA_F
ClientSampleId :

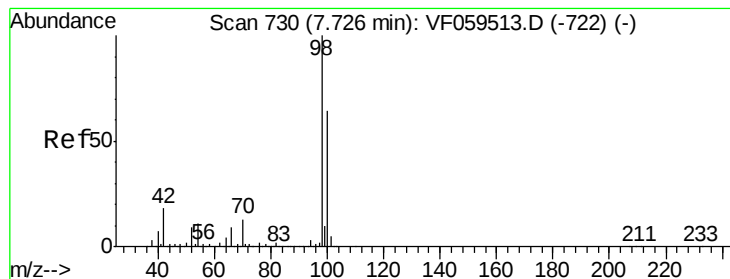
Tot Ion: 83 Resp: 3921
Ion Ratio Lower Upper
83 100
55 39.0 70.2 105.4#
98 0.0 36.2 54.2#



#49
1,4-Dioxane
Concen: 16.165 ug/l
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF059577.D
Acq: 20 Jul 2018 1:30

Tgt Ion: 88 Resp: 277
Ion Ratio Lower Upper
88 100
43 67.6 64.8 97.2
58 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 35.965 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

Instrument :

MSVOA_F

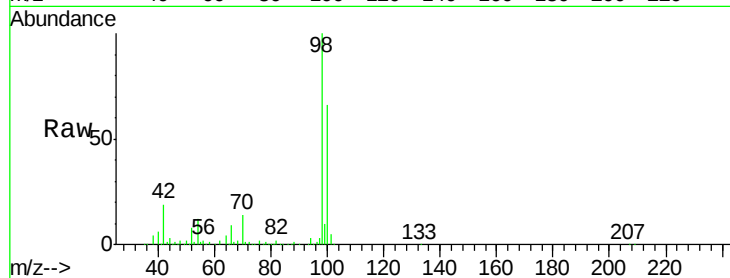
ClientSampleId :

Tot Ion: 98 Resp: 274131

Ion Ratio Lower Upper

98 100

100 66.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF

7.70

120000

100000

80000

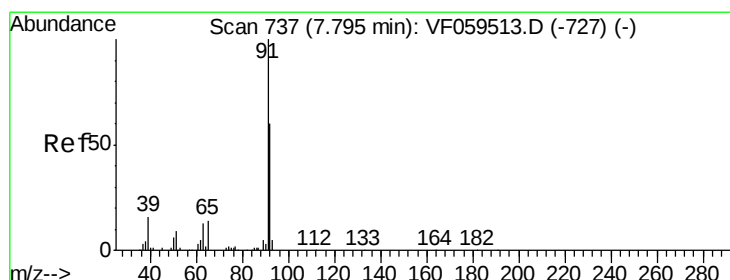
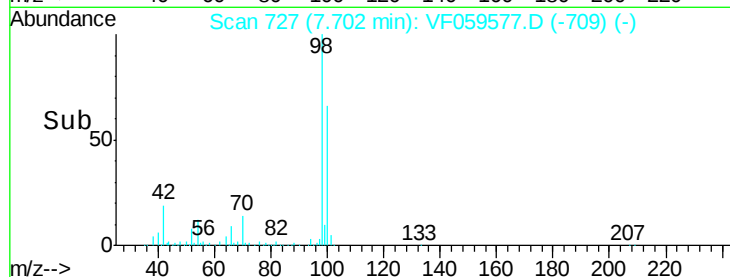
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 3.200 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF059577.D

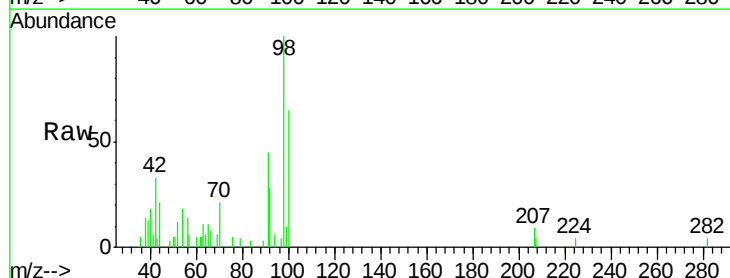
Acq: 20 Jul 2018 1:30

Tgt Ion: 63 Resp: 668

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

7.77

400

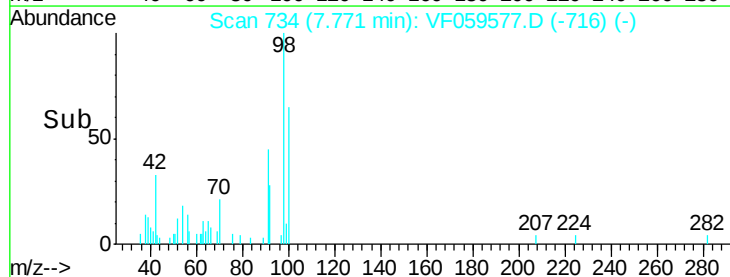
300

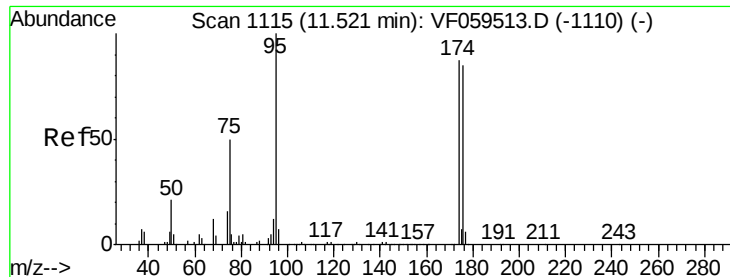
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 38.643 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

Instrument :

MSVOA_F

ClientSampleId :

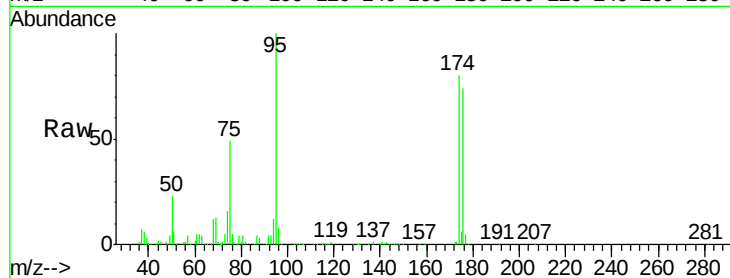
Tot Ion: 95 Resp: 154515

Ion Ratio Lower Upper

95 100

174 79.5 0.0 174.4

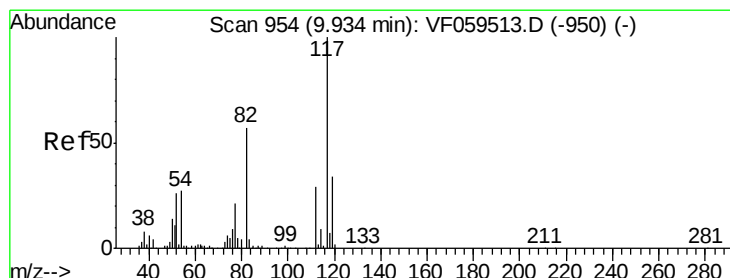
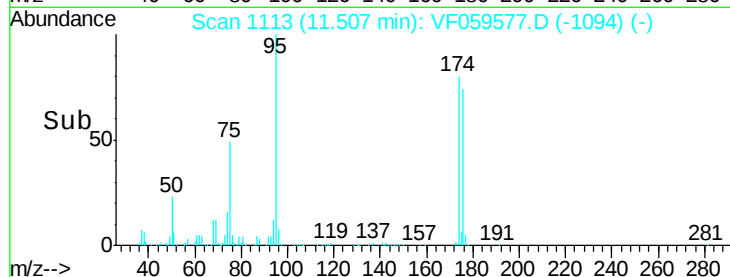
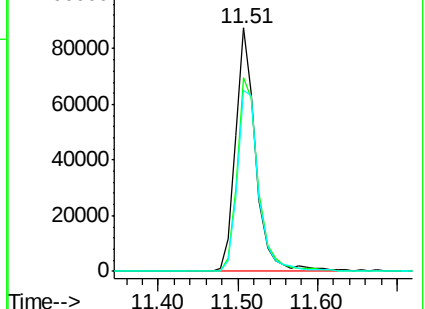
176 74.3 0.0 169.4



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: 9.92 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059577.D

Acq: 20 Jul 2018 1:30

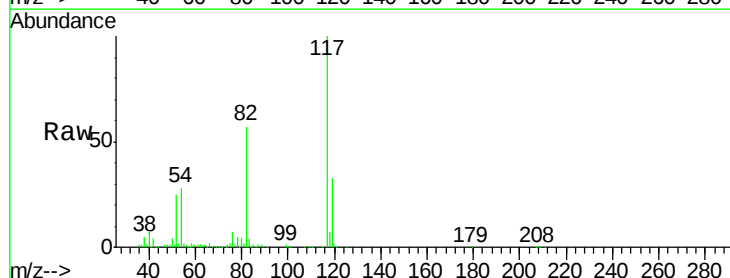
Tgt Ion: 117 Resp: 298970

Ion Ratio Lower Upper

117 100

82 57.2 46.1 69.1

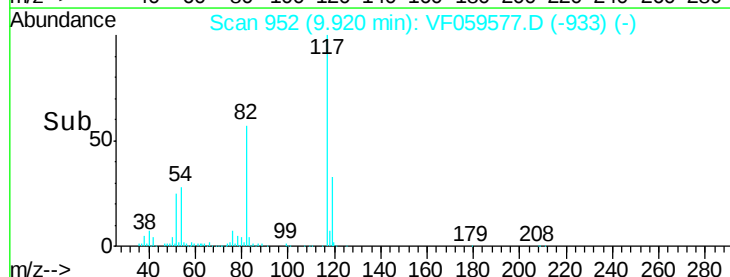
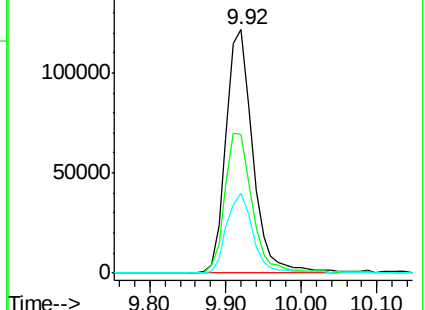
119 32.5 27.2 40.8

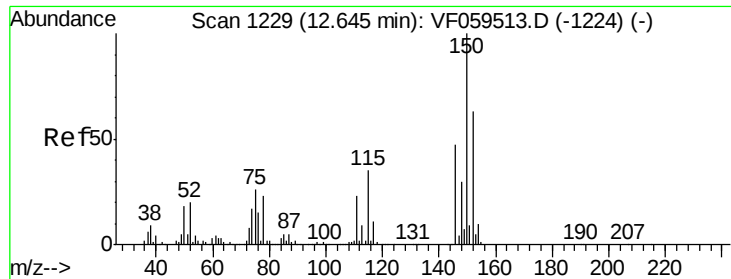


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



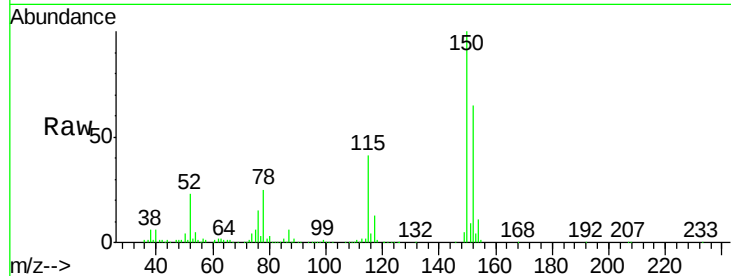


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059577.D
 Acq: 20 Jul 2018 1:30

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.5	27.8	83.3
150	153.5	0.0	318.4



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

