

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059202.D
 Acq On : 19 Jun 2018 21:29
 Operator : VA/AP
 Sample : J3567-07RE
 Misc : 5.50µ/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 20 03:05:34 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	237647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	369759	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	355713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	211353	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	172379	59.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.62%	
35) Dibromofluoromethane	4.28	113	149443	57.60	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	115.20%	
50) Toluene-d8	7.70	98	352164	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.50	95	203603	52.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.16%	

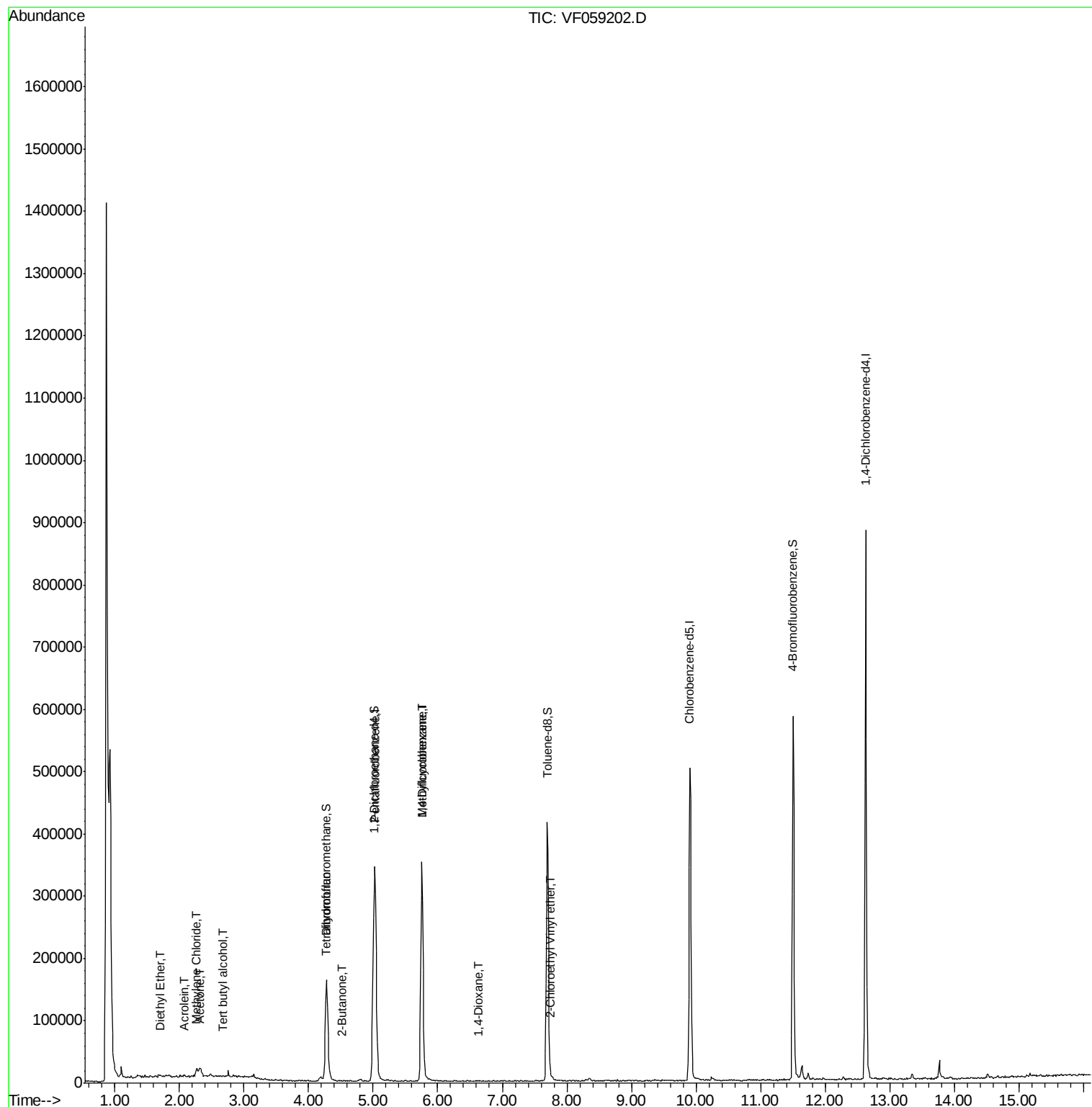
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	1.69	74	892	1.213	ug/l	56
11) Tert butyl alcohol	2.69	59	905	4.901	ug/l #	49
13) Acrolein	2.06	56	706	4.417	ug/l #	27
16) Acetone	2.32	43	11862	17.238	ug/l #	86
20) Methylene Chloride	2.28	84	5753	3.492	ug/l #	79
25) 2-Butanone	4.51	43	1278	1.198	ug/l #	56
29) Tetrahydrofuran	4.26	42	744	1.583	ug/l #	67
39) Methylcyclohexane	5.75	83	5669	1.552	ug/l #	40
49) 1,4-Dioxane	6.62	88	133	21.958	ug/l #	50
58) 2-Chloroethyl Vinyl ether	7.75	63	240	1.226	ug/l	100
89) n-Butylbenzene	12.91	91	387	Below Cal	#	59

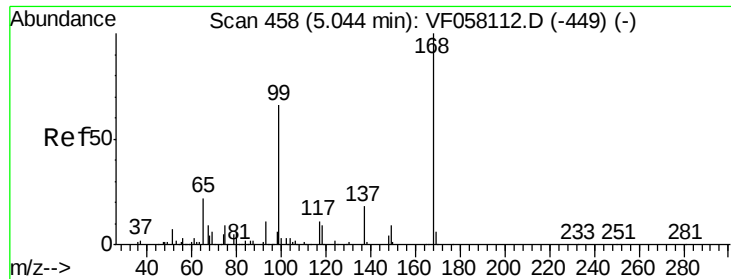
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061918\
Data File : VF059202.D
Acq On : 19 Jun 2018 21:29
Operator : VA/AP
Sample : J3567-07RE
Misc : 5.50µ/5mL/MSVOA-F/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :

Quant Time: Jun 20 03:05:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

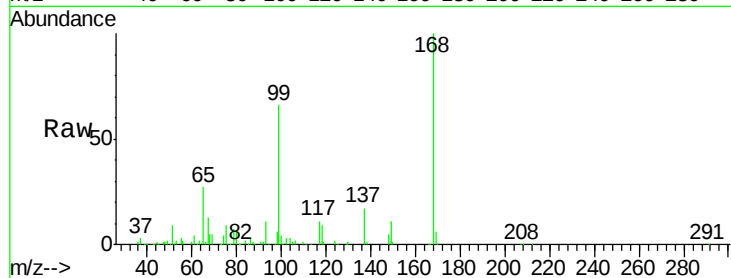




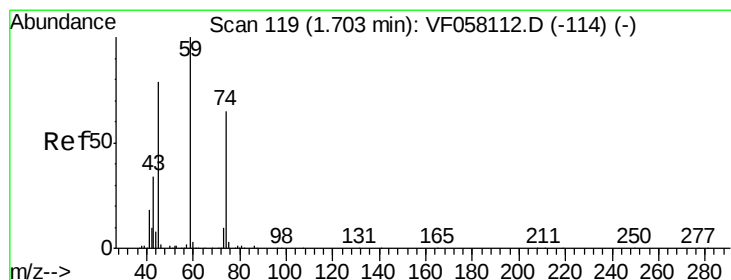
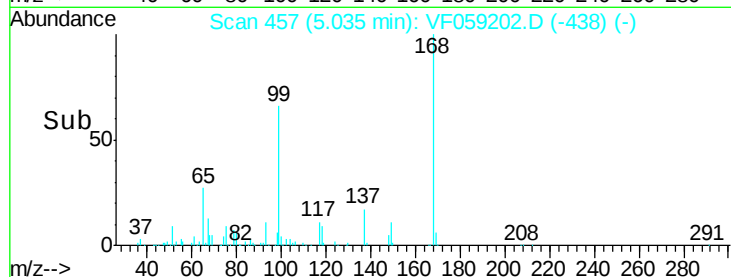
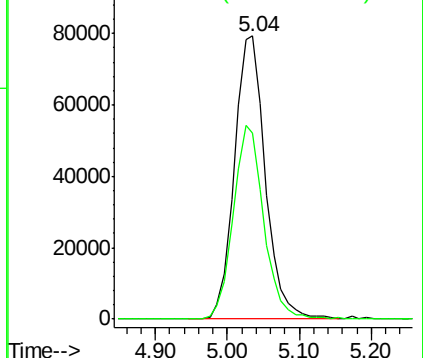
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. -0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:168 Resp: 237647
Ion Ratio Lower Upper
168 100
99 65.8 52.9 79.3

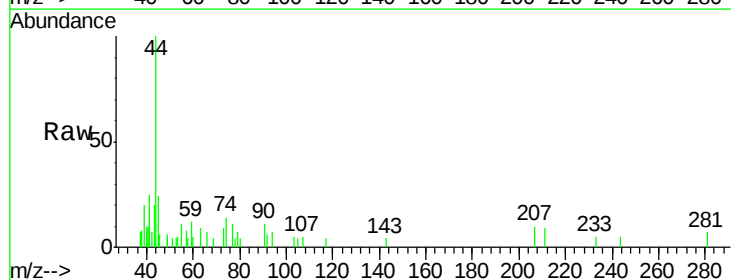


Abundance Ion 168.00 (167.70 to 168.70): VF0
Ion 99.00 (98.70 to 99.70): VF0

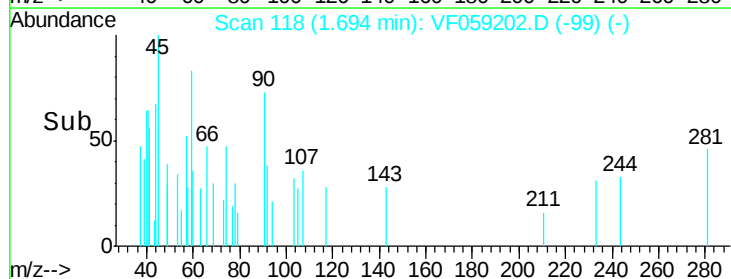
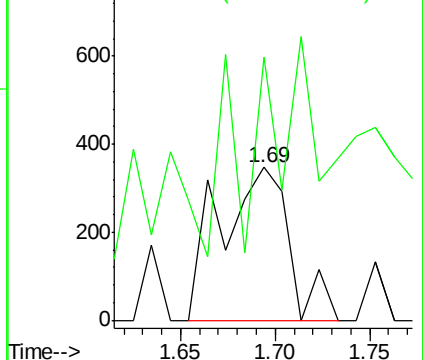


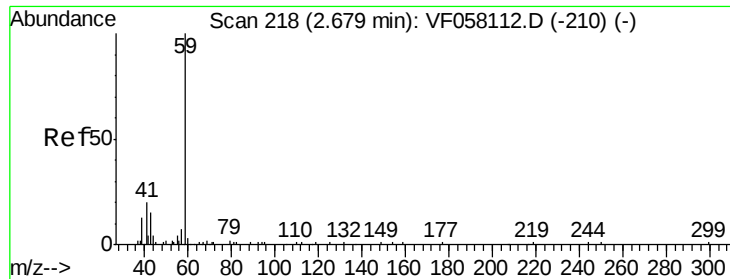
#8
Diethyl Ether
Concen: 1.213 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Tgt Ion: 74 Resp: 892
Ion Ratio Lower Upper
74 100
45 172.3 61.5 184.4



Abundance Ion 74.00 (73.70 to 74.70): VF0
Ion 45.00 (44.70 to 45.70): VF0

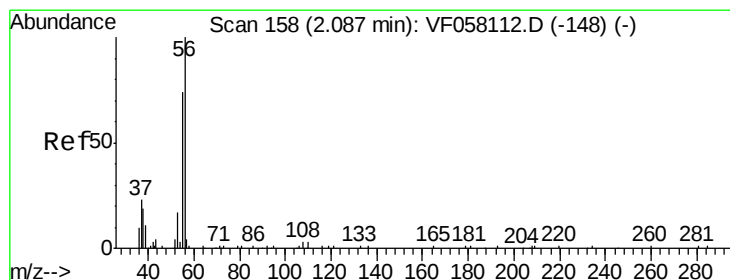
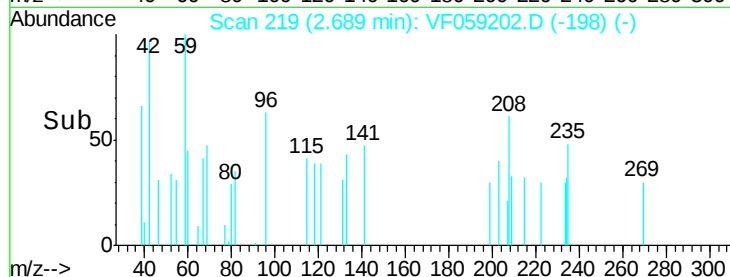
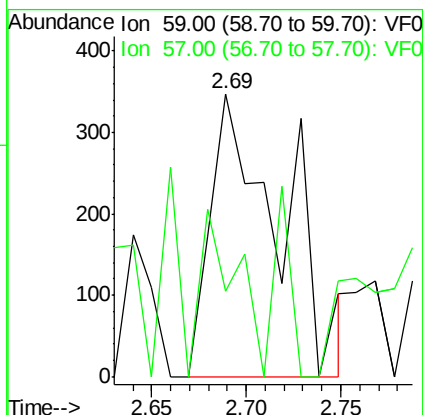
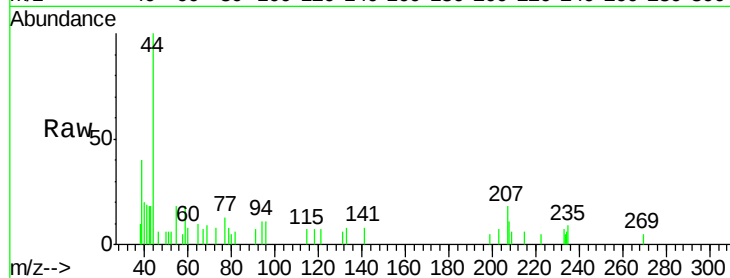




#11
Tert butyl alcohol
Concen: 4.901 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

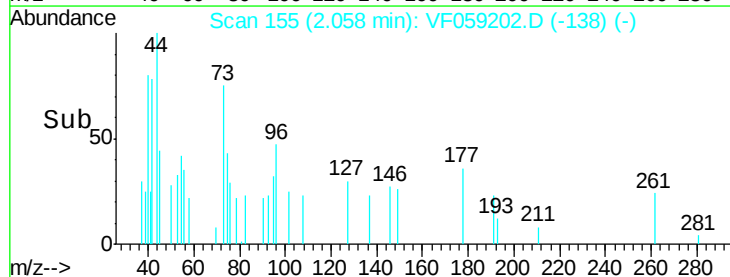
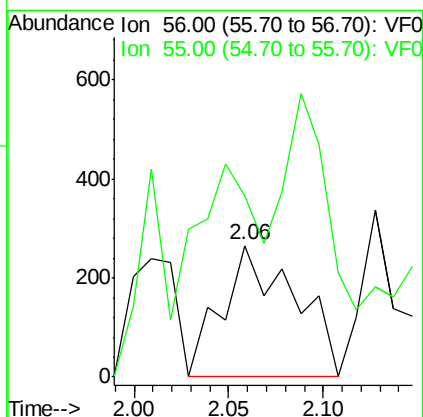
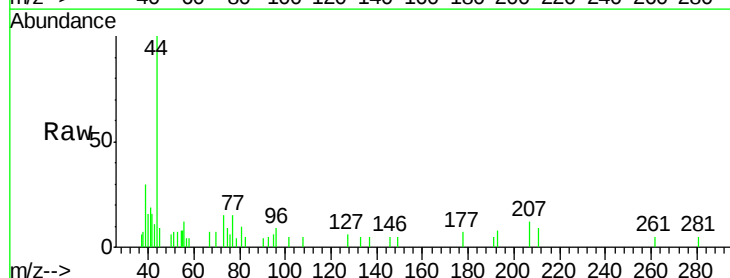
Instrument :
MSVOA_F
ClientSampled :

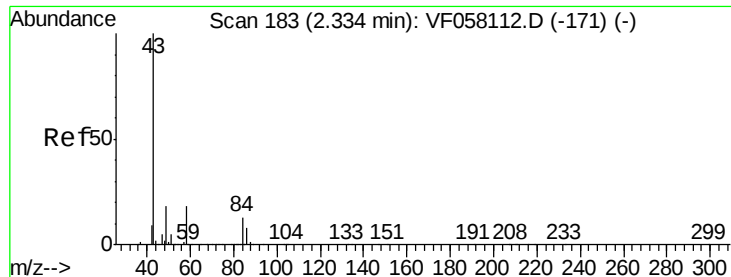
Tot Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 30.2 8.7 13.1#



#13
Acrolein
Concen: 4.417 ug/l
RT: 2.06 min Scan# 155
Delta R.T. -0.03 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Tgt Ion: 56 Resp: 706
Ion Ratio Lower Upper
56 100
55 137.2 60.0 90.0#





#16

Acetone

Concen: 17.238 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

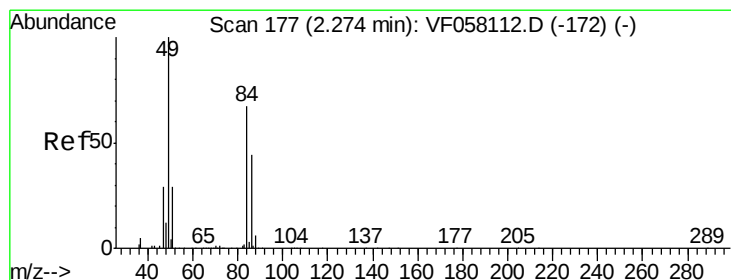
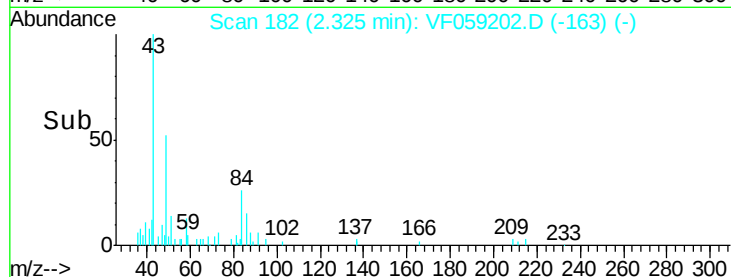
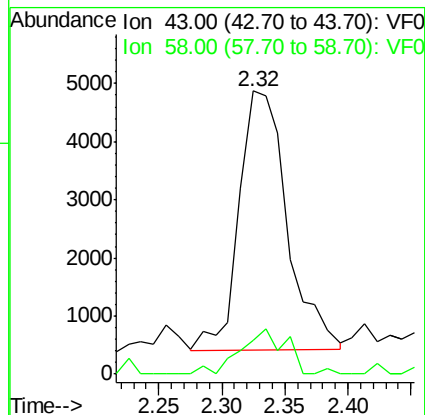
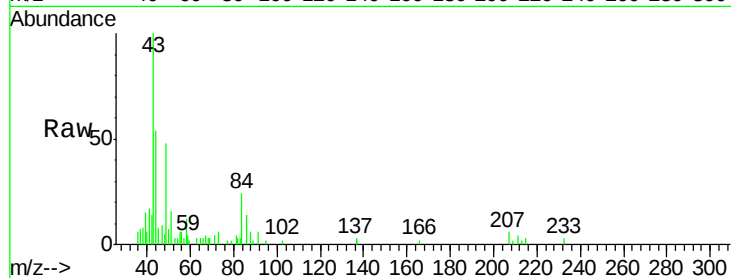
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 11862

Ion Ratio Lower Upper

43 100

58 11.7 14.4 21.6#



#20

Methylene Chloride

Concen: 3.492 ug/l

RT: 2.28 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

Tgt Ion: 84 Resp: 5753

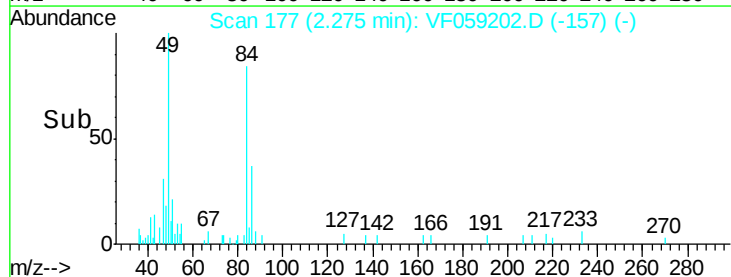
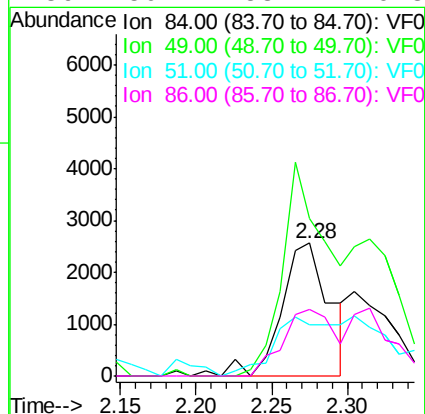
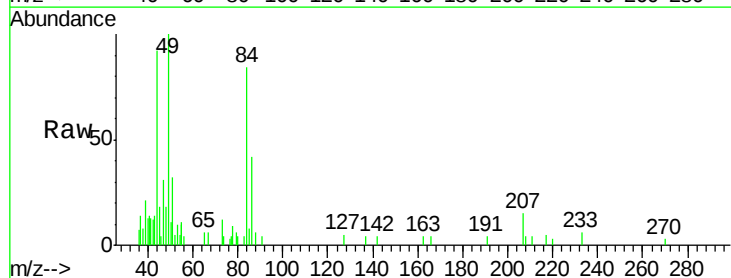
Ion Ratio Lower Upper

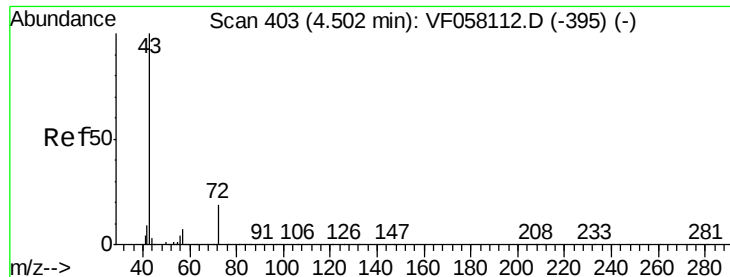
84 100

49 118.9 121.0 181.4#

51 38.3 35.8 53.6

86 50.4 53.2 79.8#





#25

2-Butanone

Concen: 1.198 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

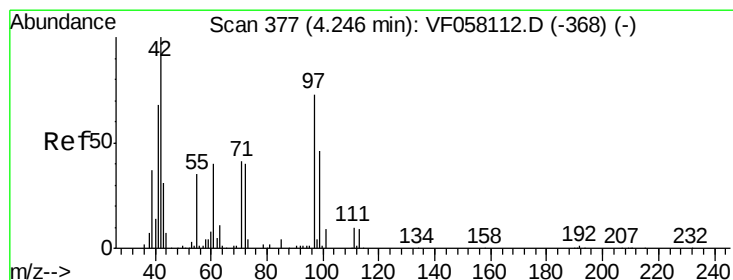
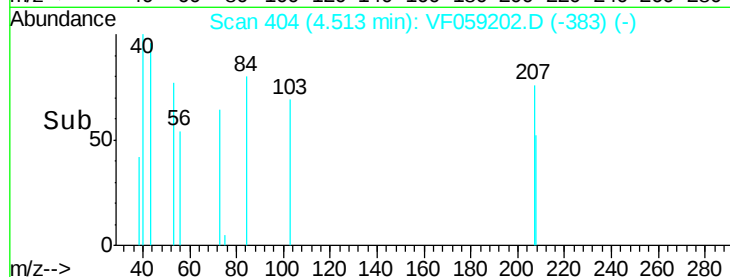
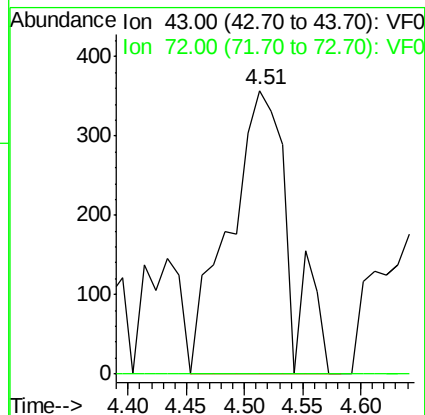
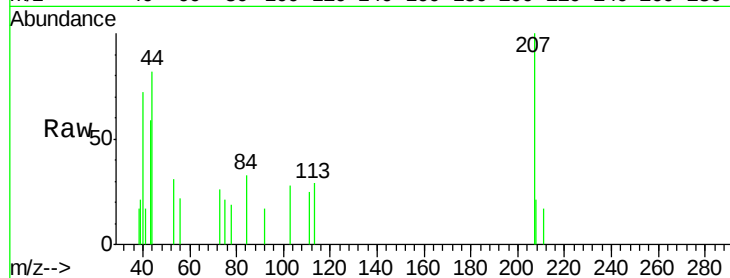
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

72 0.0 16.1 24.1#



#29

Tetrahydrofuran

Concen: 1.583 ug/l

RT: 4.26 min Scan# 378

Delta R.T. 0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

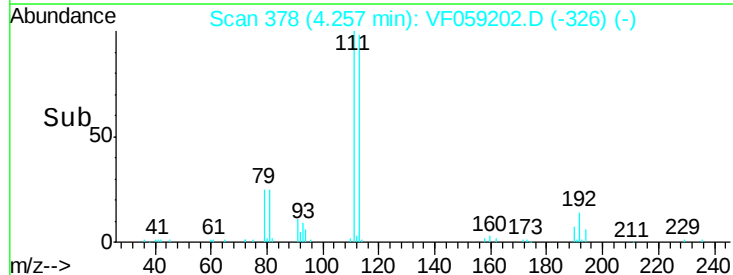
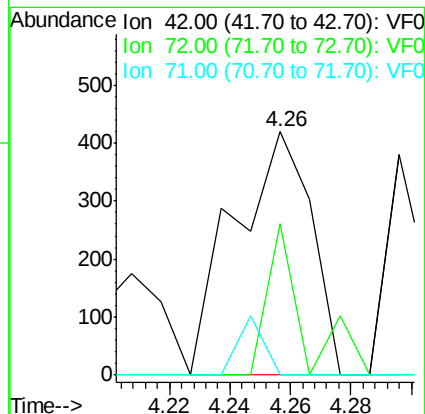
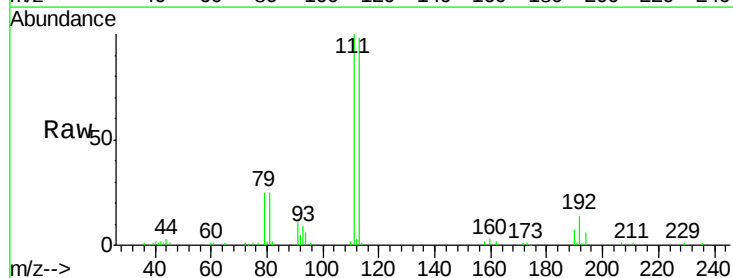
Tgt Ion: 42 Resp: 744

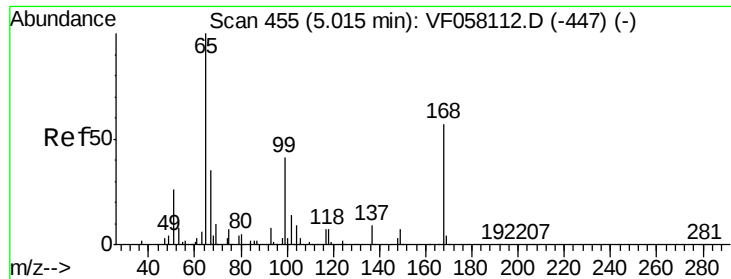
Ion Ratio Lower Upper

42 100

72 28.9 30.5 45.7#

71 8.1 31.5 47.3#





#33

1,2-Dichloroethane-d4

Concen: 59.809 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

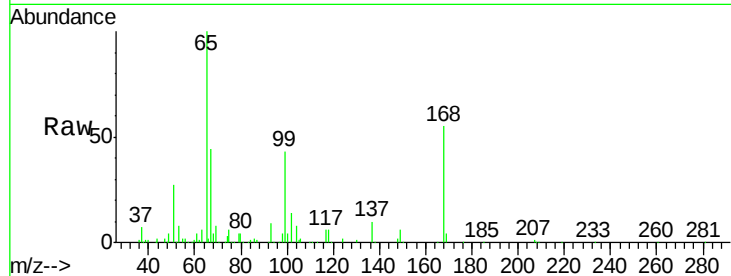
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 172379

Ion Ratio Lower Upper

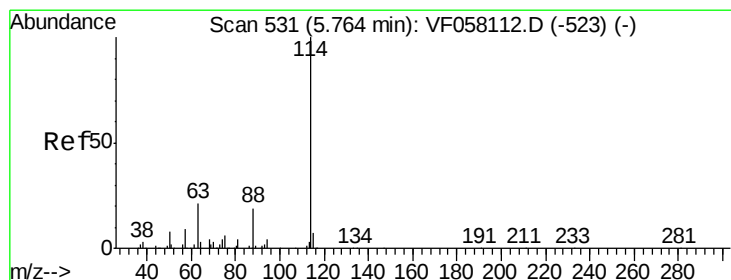
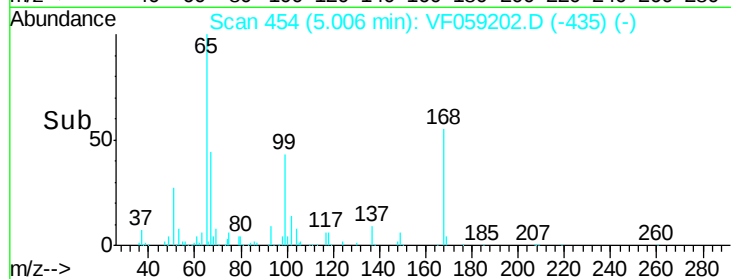
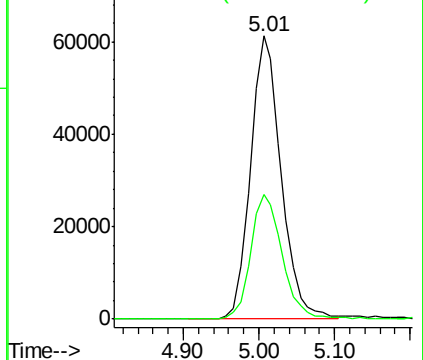
65 100

67 44.2 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: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

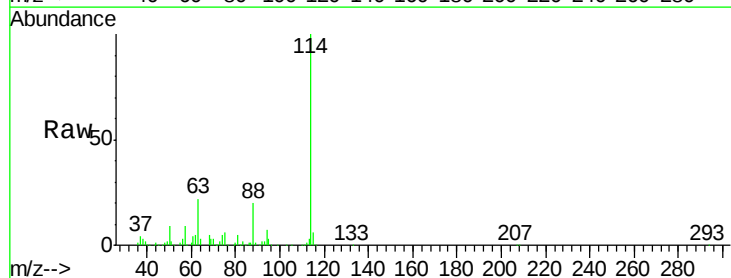
Tgt Ion: 114 Resp: 369759

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.6

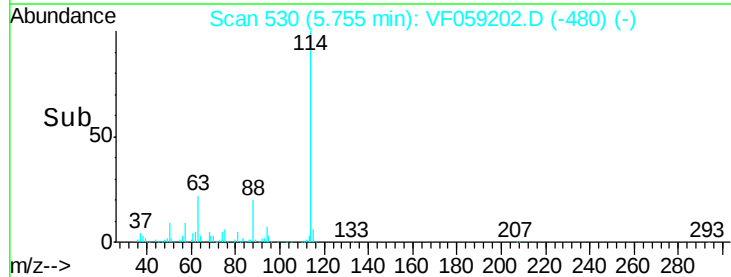
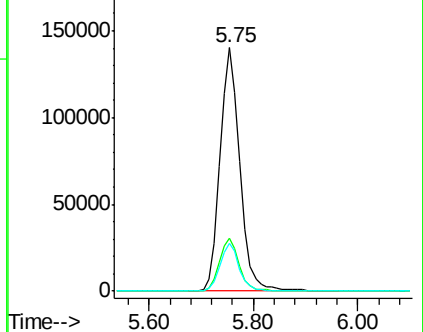
88 19.7 0.0 38.8

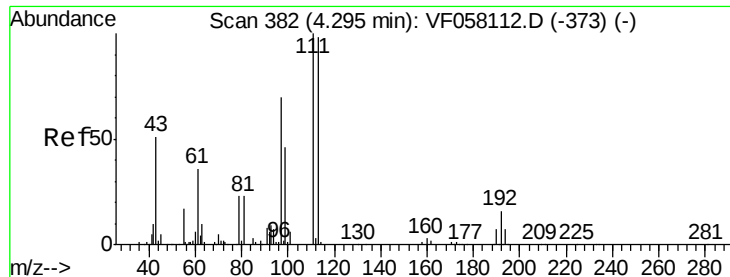


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 57.600 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :

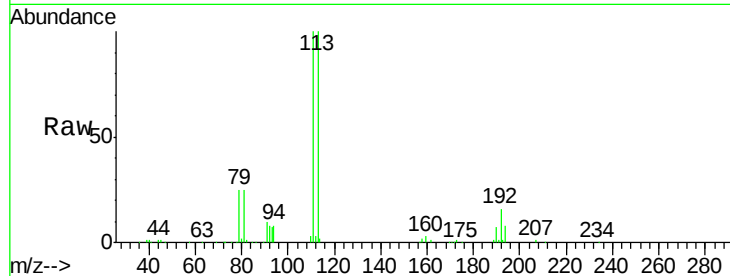
Tot Ion:113 Resp: 149443

Ion Ratio Lower Upper

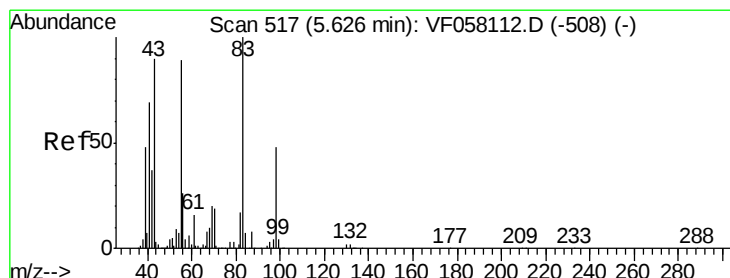
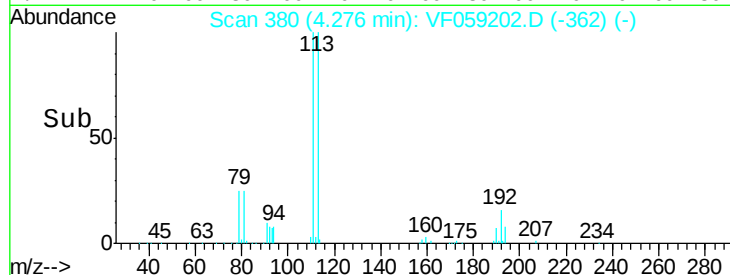
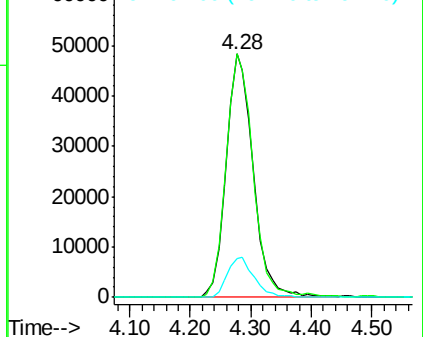
113 100

111 100.0 81.3 121.9

192 15.9 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: 1.552 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.13 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

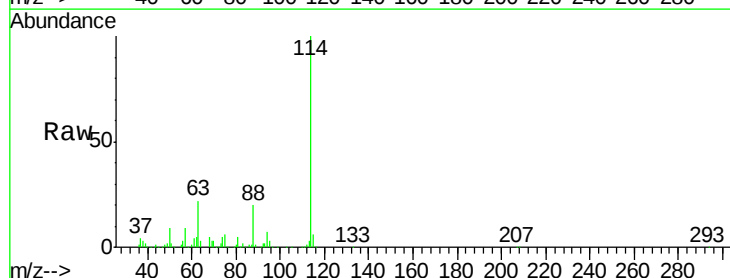
Tgt Ion: 83 Resp: 5669

Ion Ratio Lower Upper

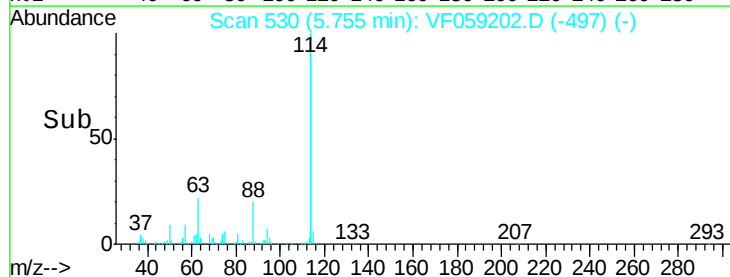
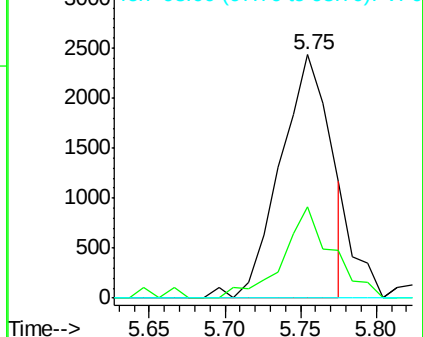
83 100

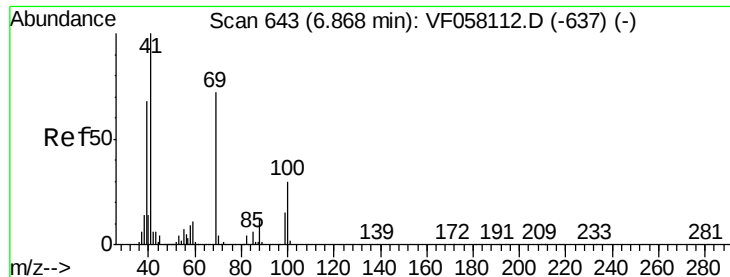
55 37.4 71.0 106.4#

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

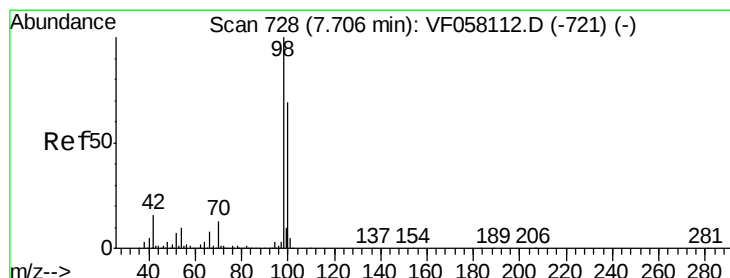
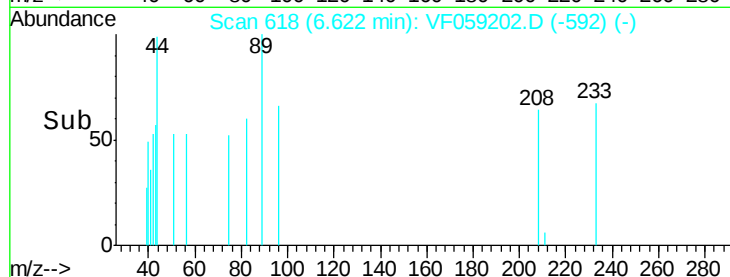
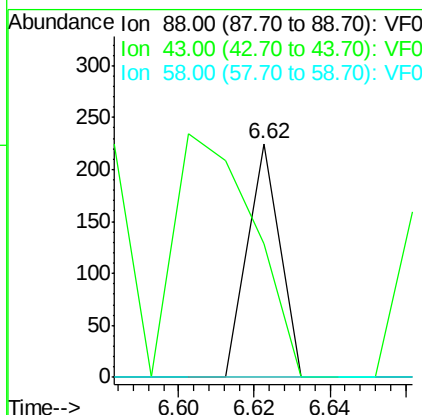
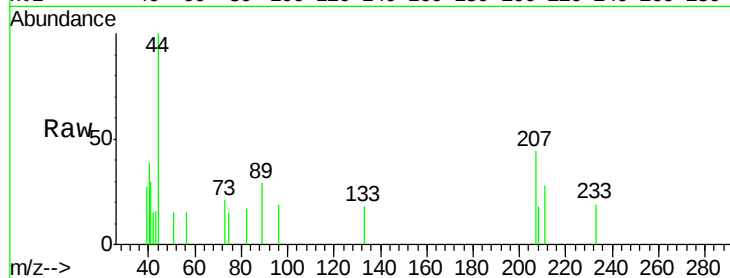




#49
1,4-Dioxane
Concen: 21.958 ug/l
RT: 6.62 min Scan# 618
Delta R.T. -0.24 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

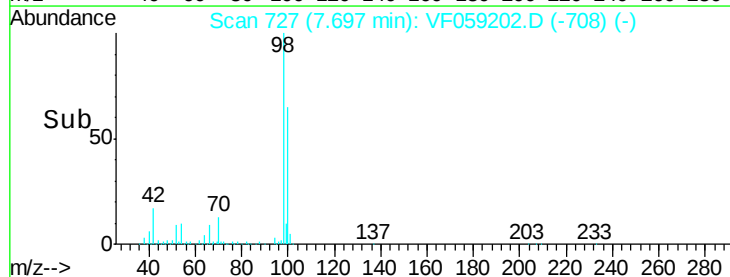
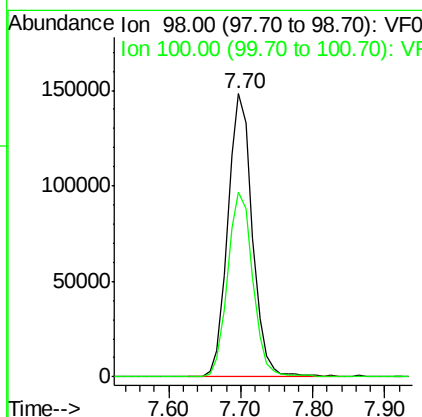
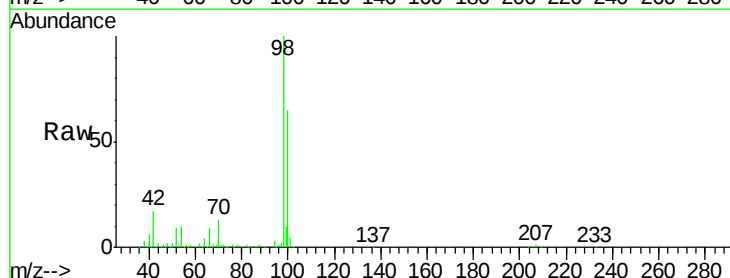
Instrument :
MSVOA_F
ClientSampleId :

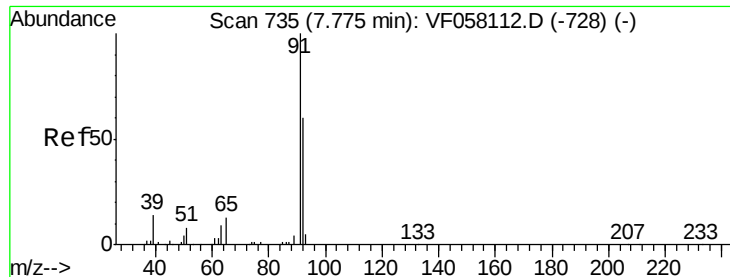
Tot Ion: 88 Resp: 133
Ion Ratio Lower Upper
88 100
43 56.9 47.8 71.8
58 0.0 59.4 89.0#



#50
Toluene-d8
Concen: 46.203 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Tgt Ion: 98 Resp: 352164
Ion Ratio Lower Upper
98 100
100 65.1 55.6 83.4





#58

2-Chloroethyl Vinyl ether

Concen: 1.226 ug/l

RT: 7.75 min Scan# 732

Delta R.T. -0.03 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

Instrument :

MSVOA_F

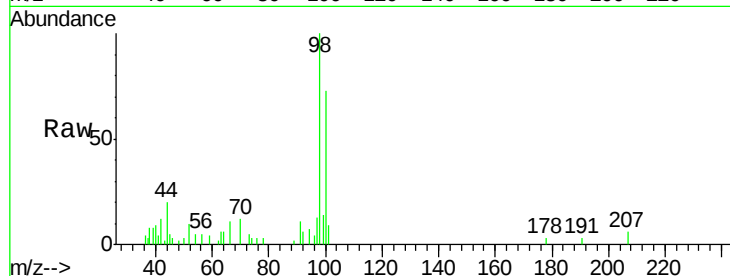
ClientSampled :

Tot Ion: 63 Resp: 240

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

7.75

250

200

150

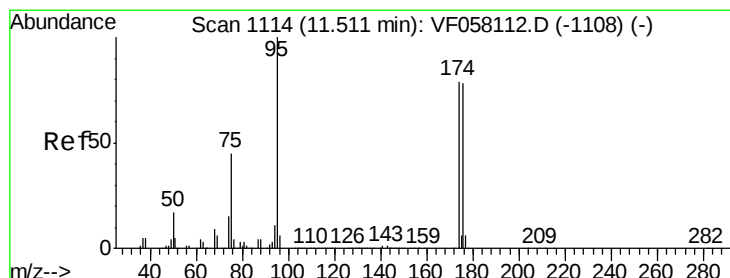
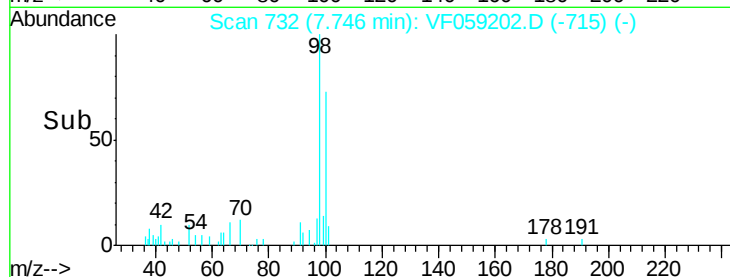
100

50

0

7.74 7.76

Time-->



#62

4-Bromofluorobenzene

Concen: 52.080 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059202.D

Acq: 19 Jun 2018 21:29

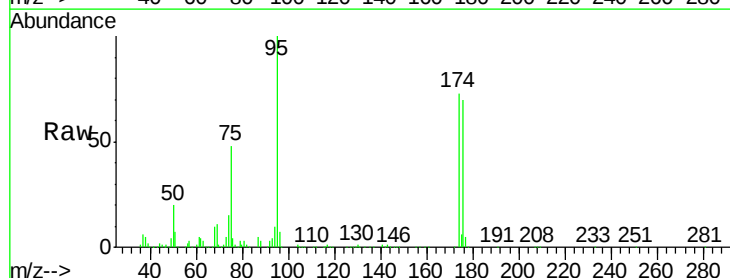
Tgt Ion: 95 Resp: 203603

Ion Ratio Lower Upper

95 100

174 73.2 0.0 157.8

176 69.9 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

11.50

150000

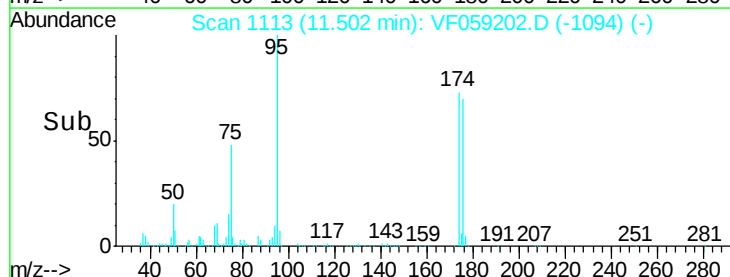
100000

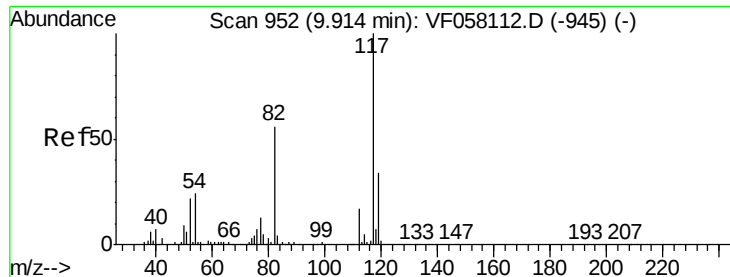
50000

0

11.40 11.50 11.60 11.70

Time-->

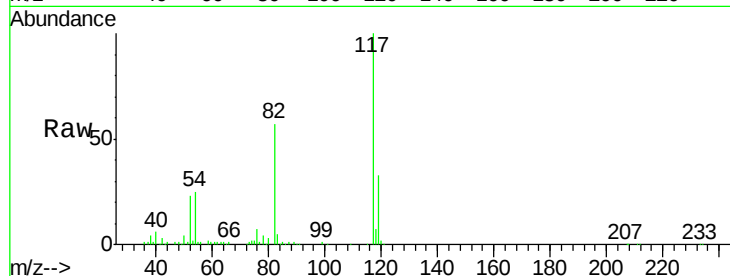




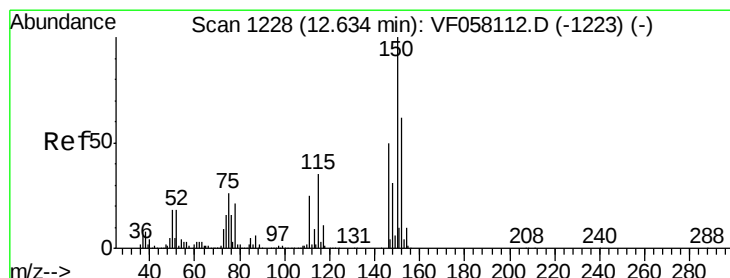
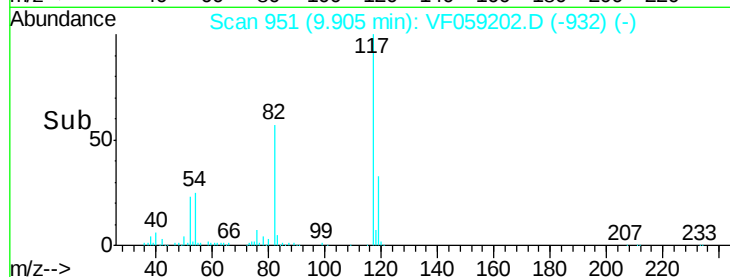
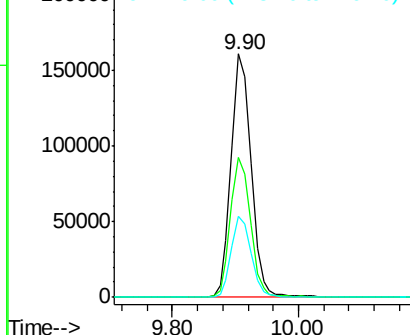
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 355713
Ion Ratio Lower Upper
117 100
82 57.4 45.2 67.8
119 33.3 27.5 41.3

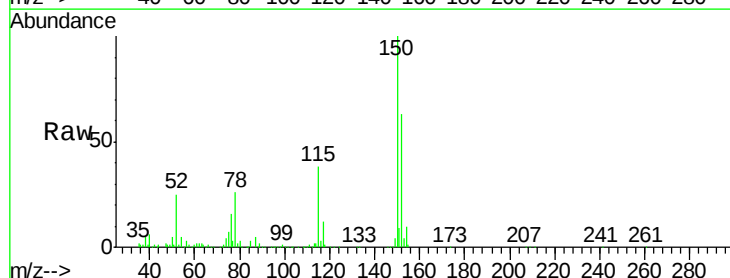


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059202.D
Acq: 19 Jun 2018 21:29

Tgt Ion:152 Resp: 211353
Ion Ratio Lower Upper
152 100
115 60.9 28.5 85.5
150 158.4 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

