

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061918\
 Data File : VF059207.D
 Acq On : 20 Jun 2018 1:39
 Operator : VA/AP
 Sample : VF0619SBL02
 Misc : 5.40g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0619SBL02

Quant Time: Jun 20 05:41:50 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	289877	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	452091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	428543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	264019	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	176336	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	4.29	113	165367	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	7.71	98	407259	43.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.40%	
62) 4-Bromofluorobenzene	11.50	95	220394	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	

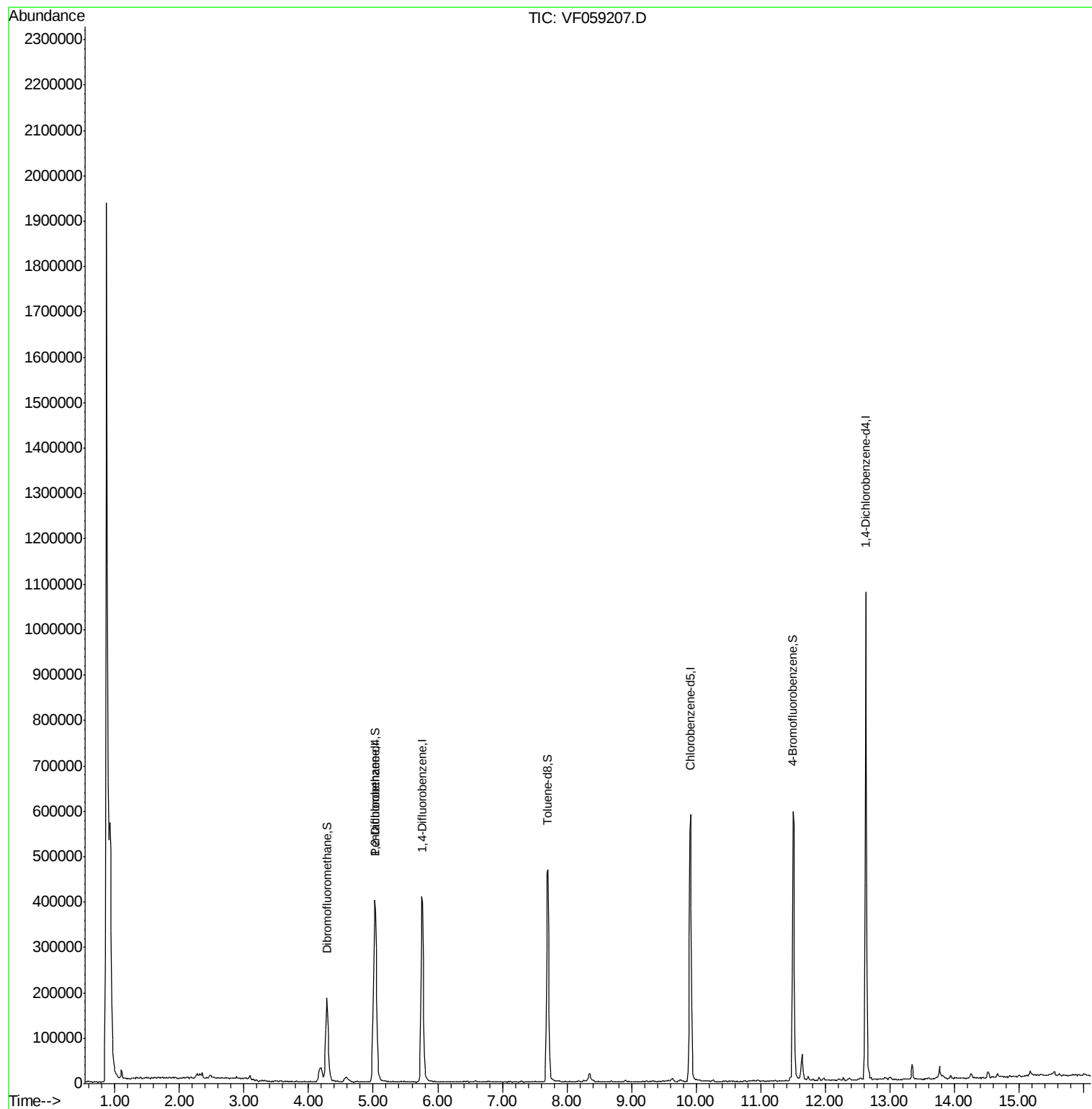
Target Compounds	Qvalue
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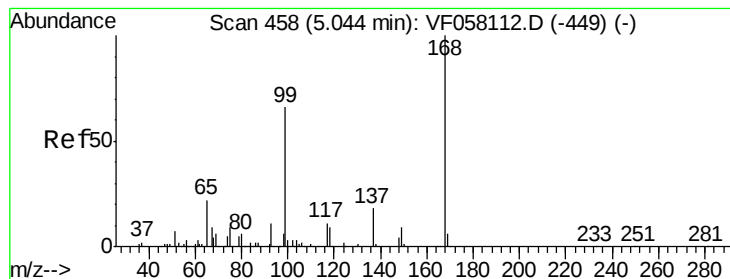
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

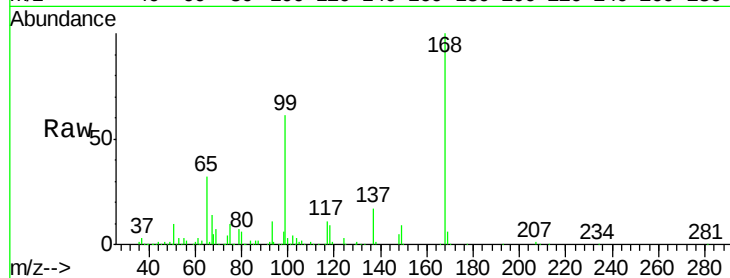
VF0619SBL02

Tot Ion:168 Resp: 289877

Ion Ratio Lower Upper

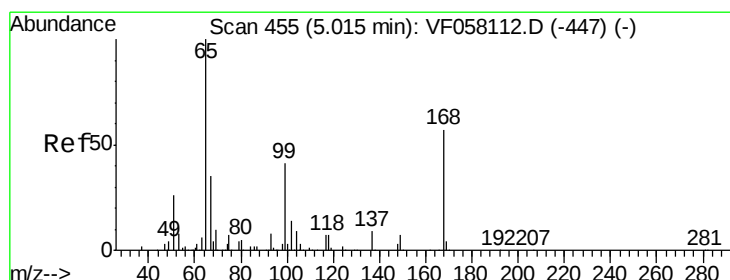
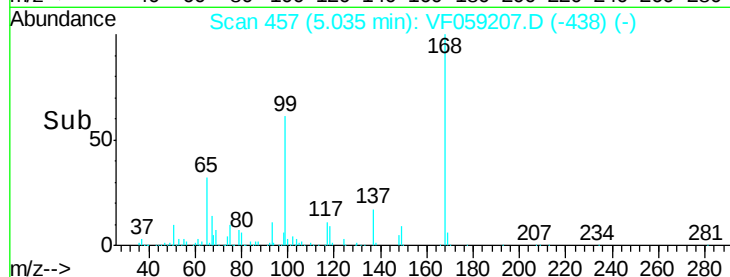
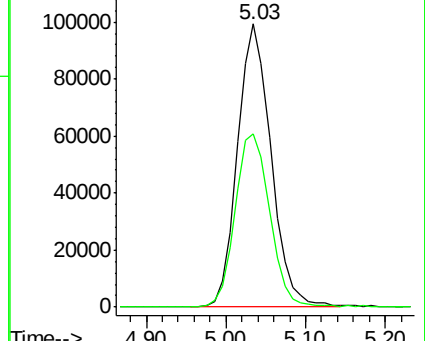
168 100

99 61.4 52.9 79.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 50.16 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059207.D

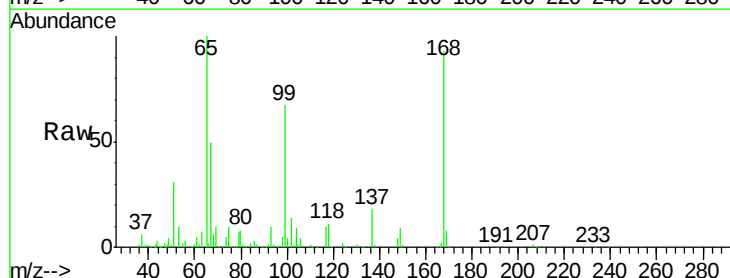
Acq: 20 Jun 2018 1:39

Tgt Ion: 65 Resp: 176336

Ion Ratio Lower Upper

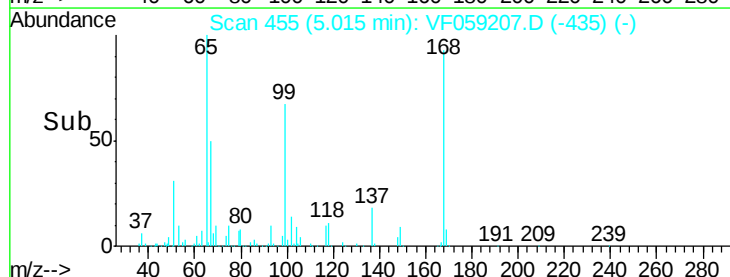
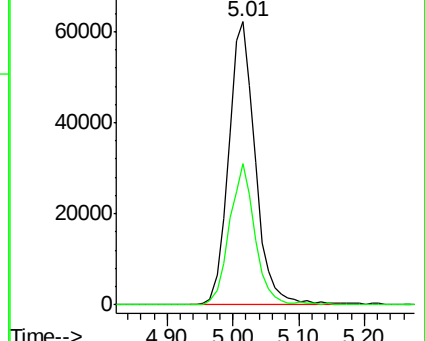
65 100

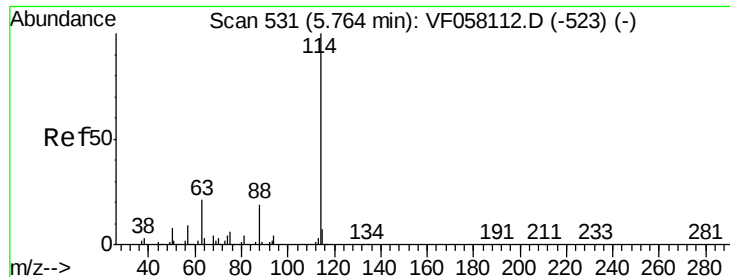
67 49.7 0.0 97.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBL02

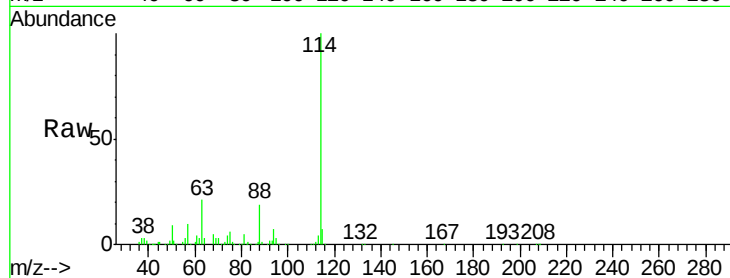
Tot Ion:114 Resp: 452091

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.6

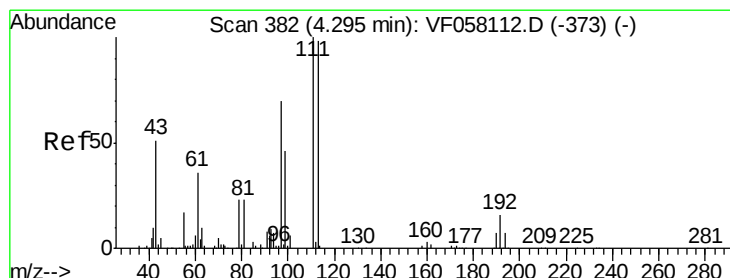
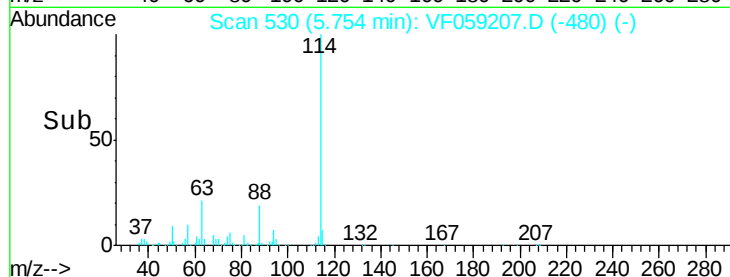
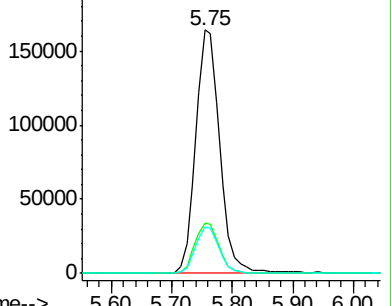
88 19.2 0.0 38.8



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: 52.13 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

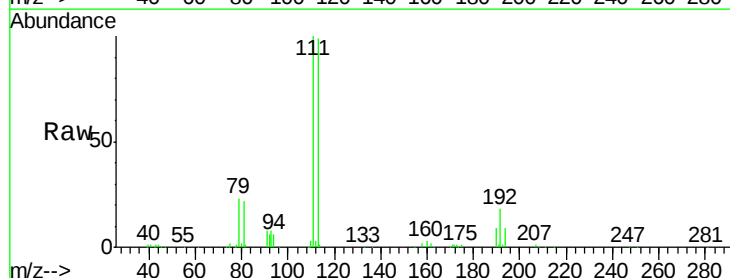
Tgt Ion:113 Resp: 165367

Ion Ratio Lower Upper

113 100

111 101.0 81.3 121.9

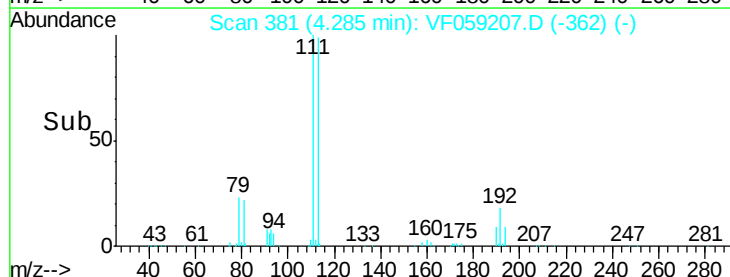
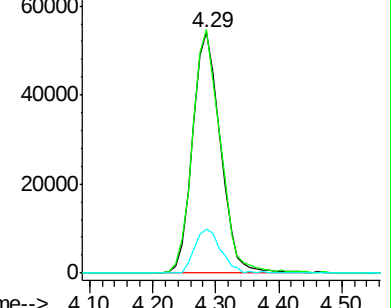
192 18.2 12.7 19.1

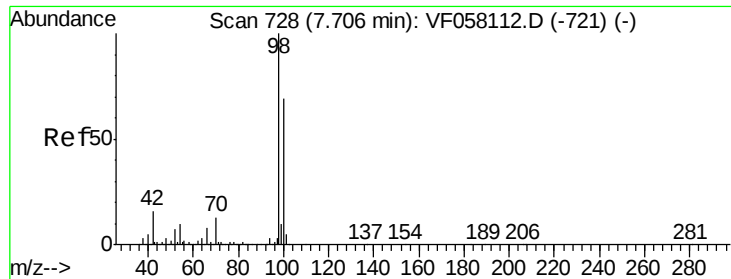


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

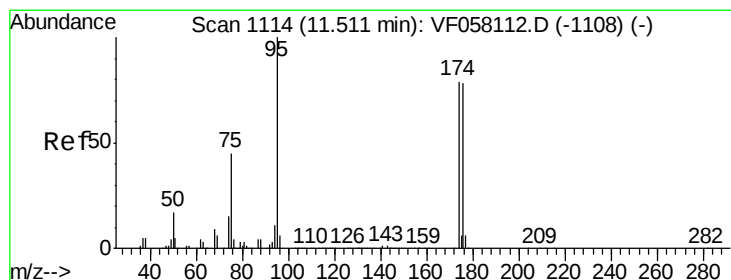
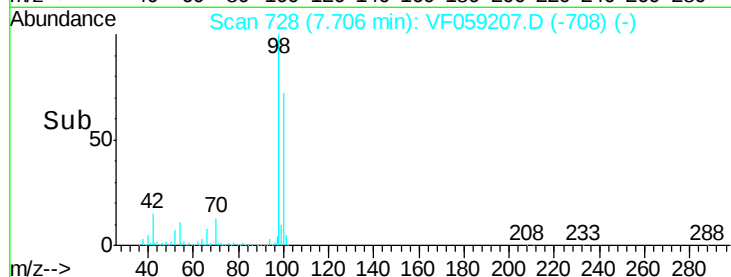
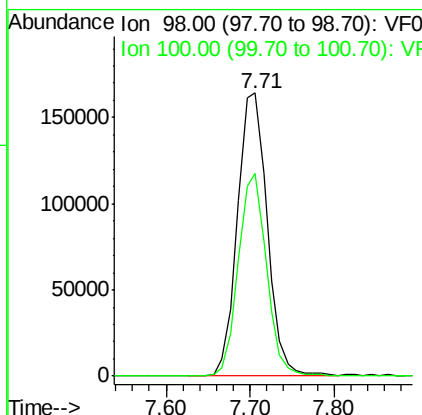
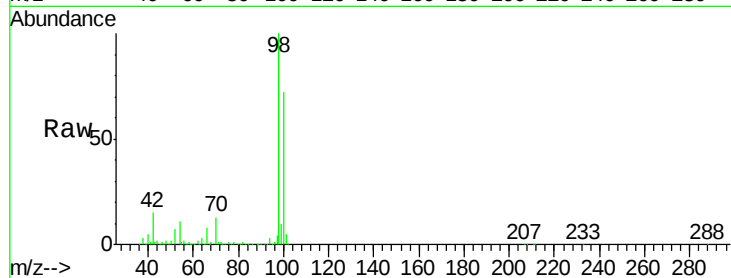




#50
Toluene-d8
Concen: 43.70 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

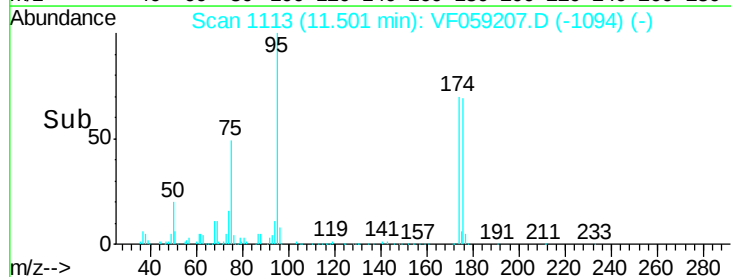
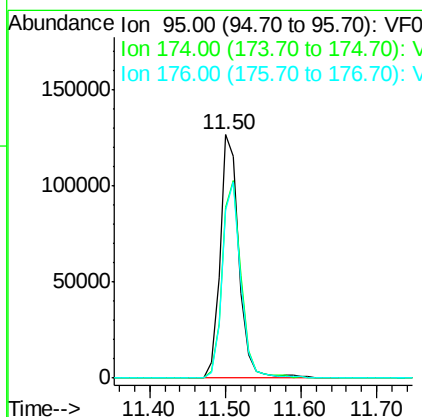
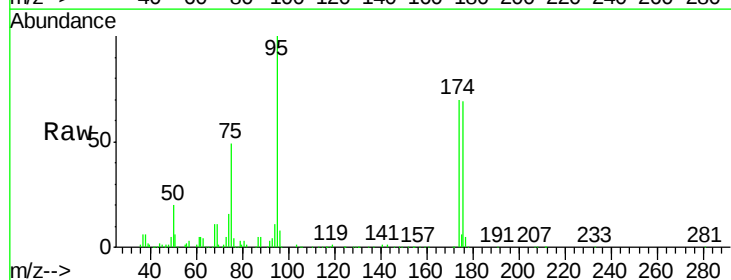
Instrument :
MSVOA_F
ClientSampleId :
VF0619SBL02

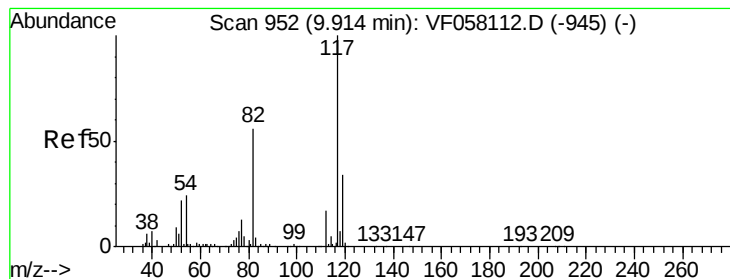
Tot Ion: 98 Resp: 407259
Ion Ratio Lower Upper
98 100
100 71.6 55.6 83.4



#62
4-Bromofluorobenzene
Concen: 46.11 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059207.D
Acq: 20 Jun 2018 1:39

Tgt Ion: 95 Resp: 220394
Ion Ratio Lower Upper
95 100
174 69.8 0.0 157.8
176 68.9 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

Instrument :

MSVOA_F

ClientSampleId :

VF0619SBL02

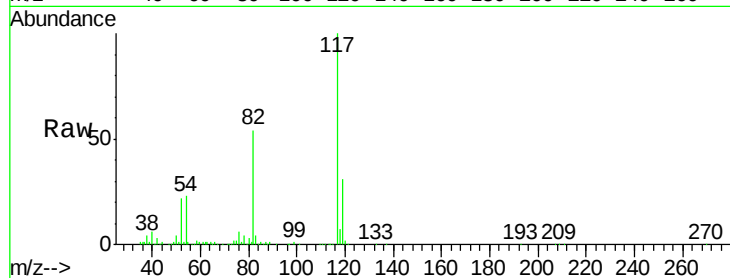
Tot Ion:117 Resp: 428543

Ion Ratio Lower Upper

117 100

82 53.9 45.2 67.8

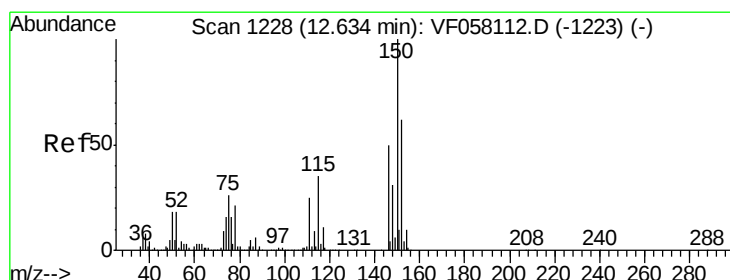
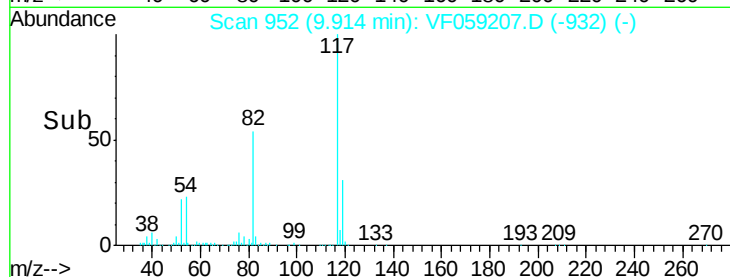
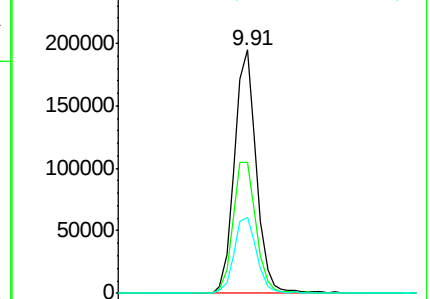
119 31.0 27.5 41.3



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: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059207.D

Acq: 20 Jun 2018 1:39

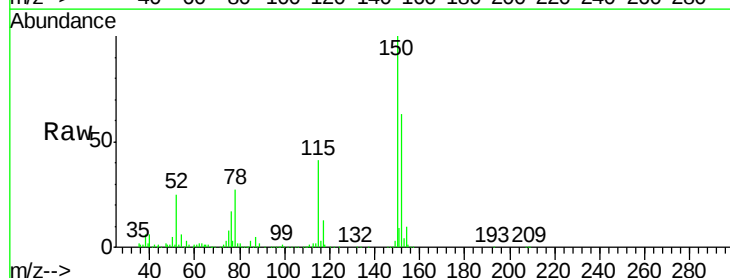
Tgt Ion:152 Resp: 264019

Ion Ratio Lower Upper

152 100

115 64.2 28.5 85.5

150 157.8 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

