

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121418\
 Data File : VF061015.D
 Acq On : 14 Dec 2018 12:44
 Operator : VA/AP
 Sample : VF1214SBL01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1214SBL01

Quant Time: Dec 15 00:20:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	196719	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.58	114	329660	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	298536	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	176420	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	127347	54.95	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	4.10	113	147805	56.52	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	113.04%	
50) Toluene-d8	7.54	98	370741	48.12	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.40	95	184176	52.60	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.20%	

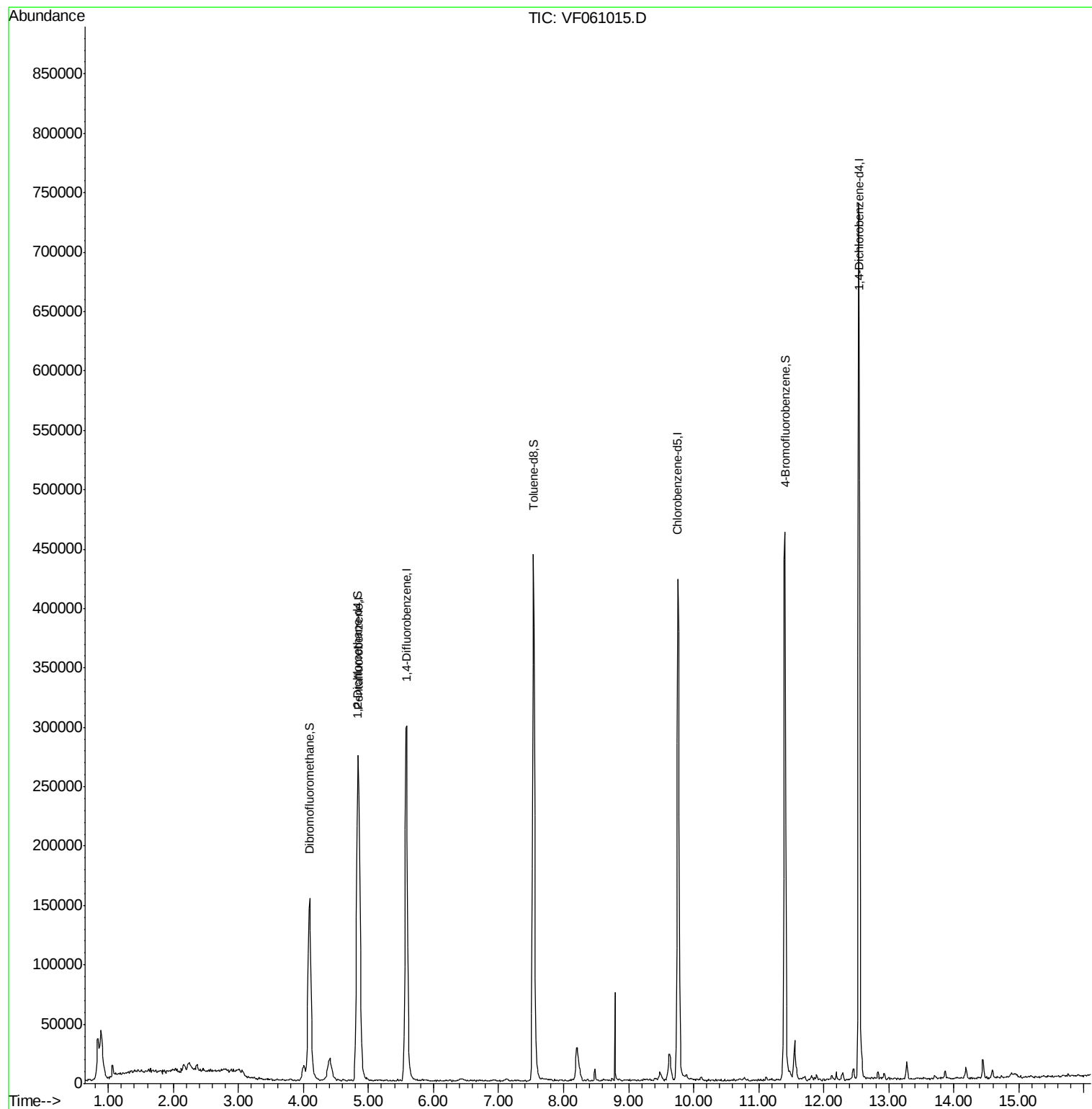
Target Compounds	Qvalue

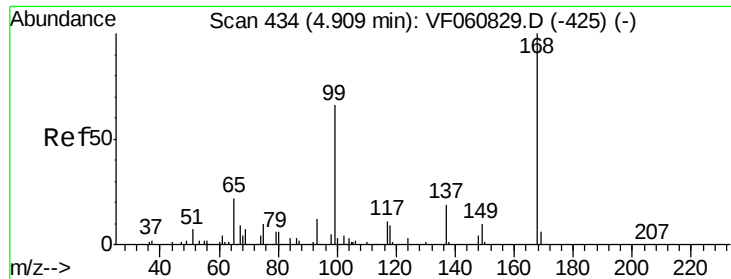
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.05 min

Lab File: VF061015.D

Acq: 14 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

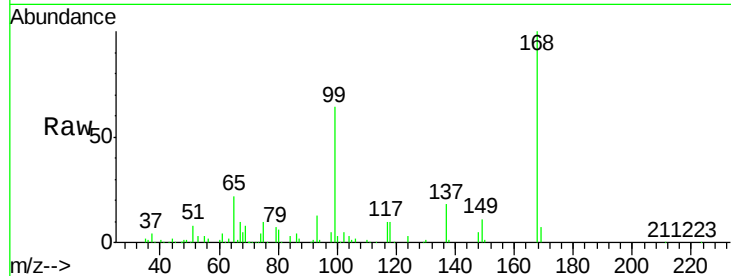
VF1214SBL01

Tgt Ion: 168 Resp: 196719

Ion Ratio Lower Upper

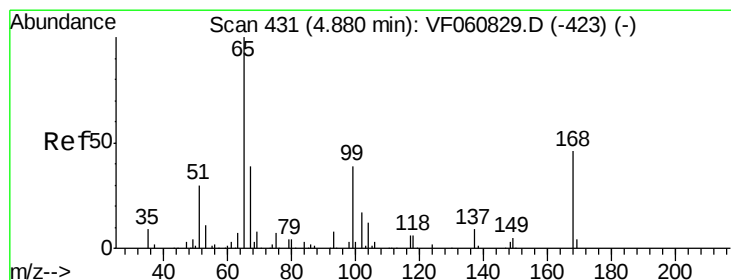
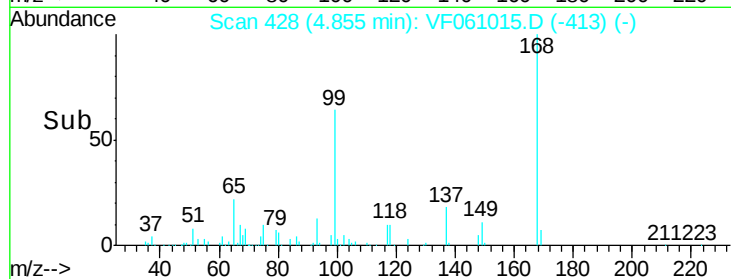
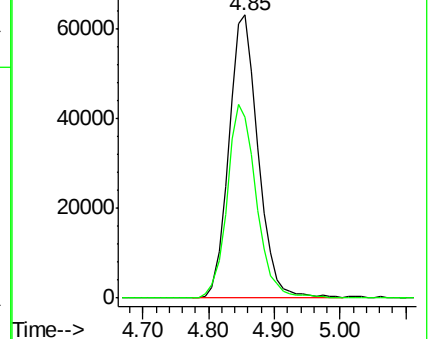
168 100

99 63.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 54.952 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.05 min

Lab File: VF061015.D

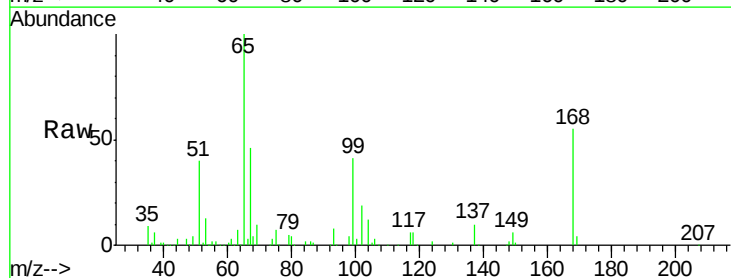
Acq: 14 Dec 2018 12:44

Tgt Ion: 65 Resp: 127347

Ion Ratio Lower Upper

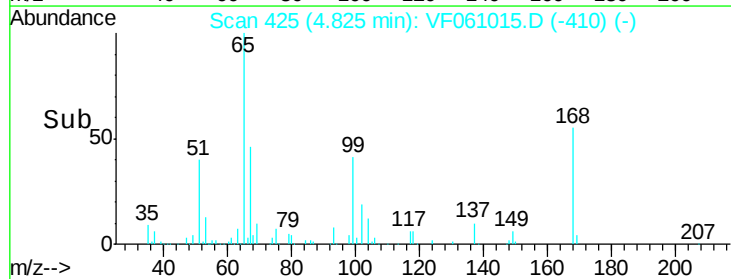
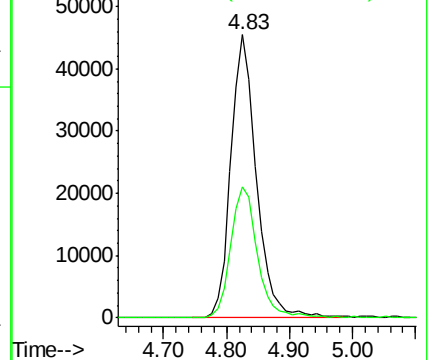
65 100

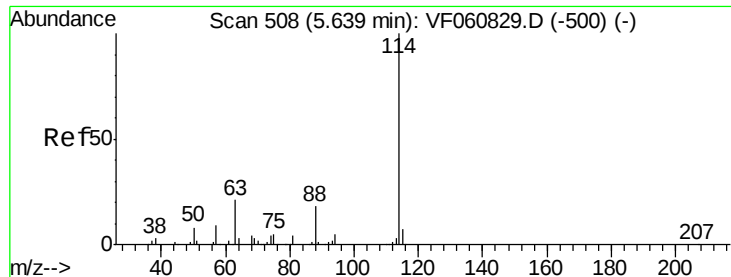
67 46.4 0.0 96.4



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: 5.58 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF061015.D

Acq: 14 Dec 2018 12:44

Instrument :

MSVOA_F

ClientSampleId :

VF1214SBL01

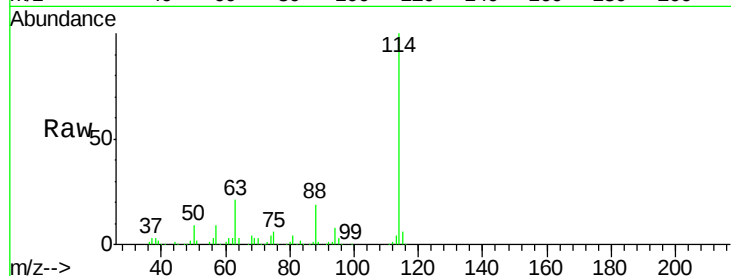
Tgt Ion:114 Resp: 329660

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

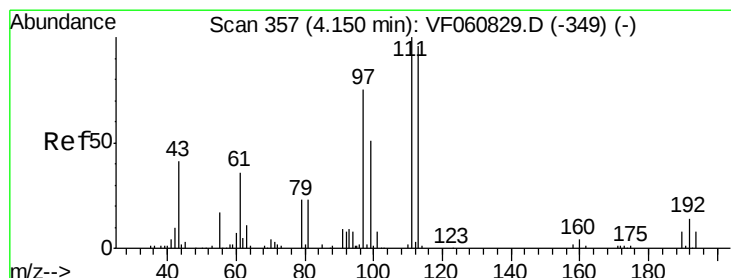
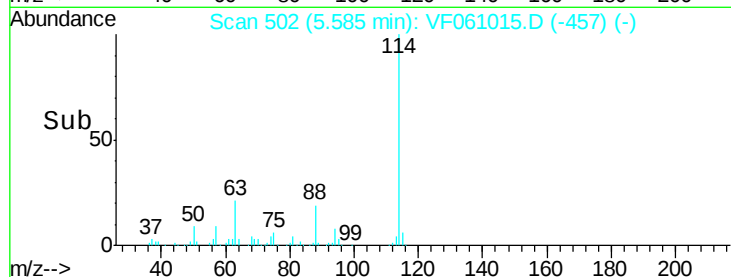
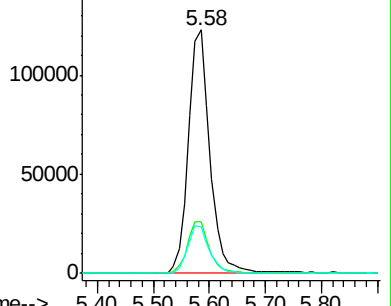
88 19.3 0.0 36.6



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: 56.516 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF061015.D

Acq: 14 Dec 2018 12:44

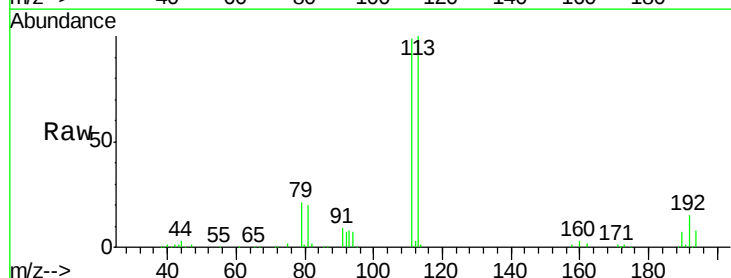
Tgt Ion:113 Resp: 147805

Ion Ratio Lower Upper

113 100

111 99.3 83.0 124.6

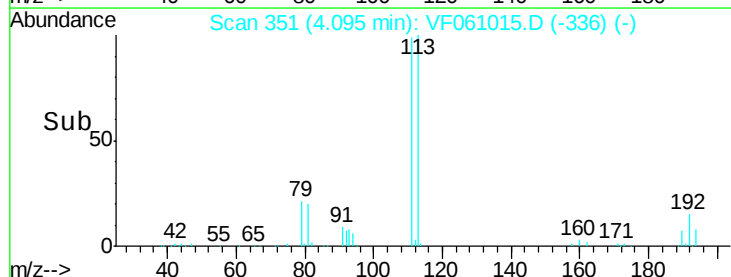
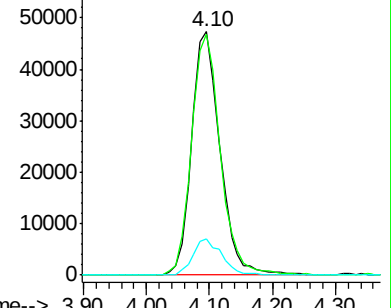
192 15.2 12.3 18.5

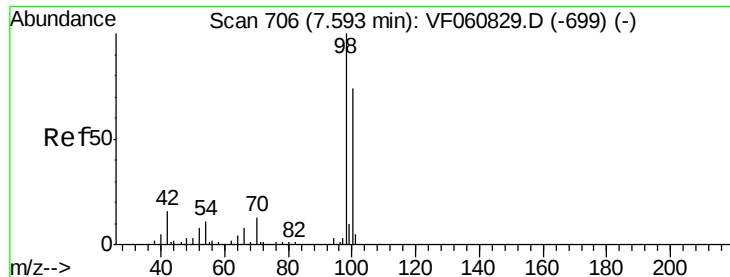


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

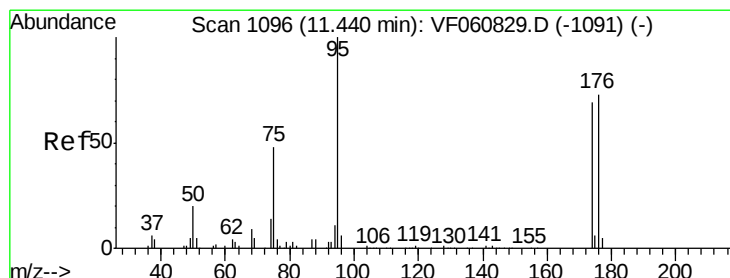
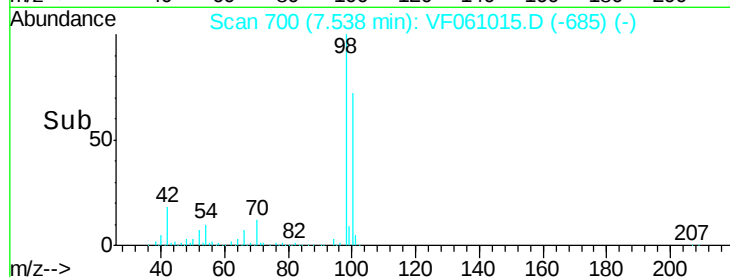
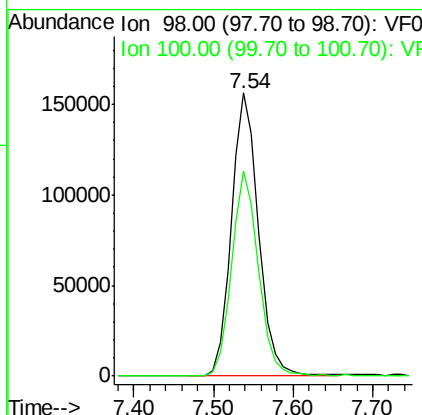
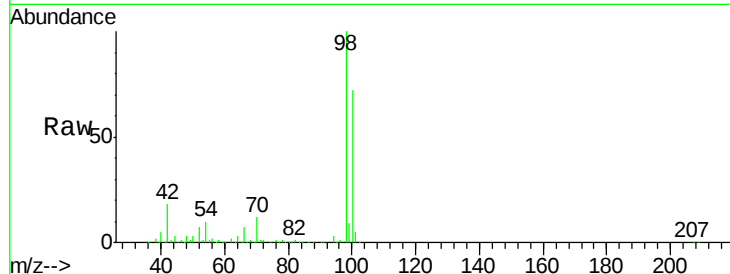




#50
Toluene-d8
Concen: 48.124 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.05 min
Lab File: VF061015.D
Acq: 14 Dec 2018 12:44

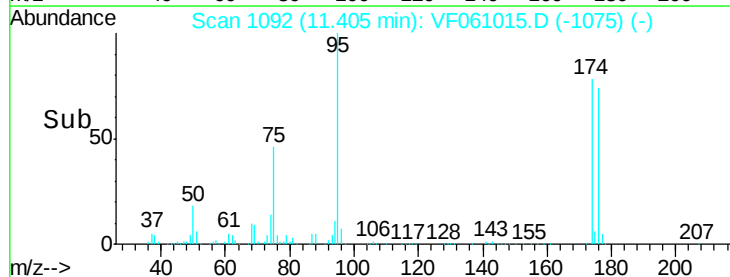
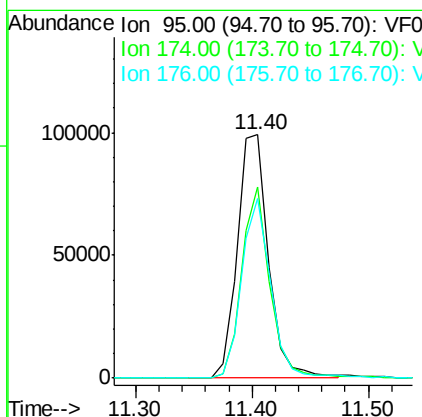
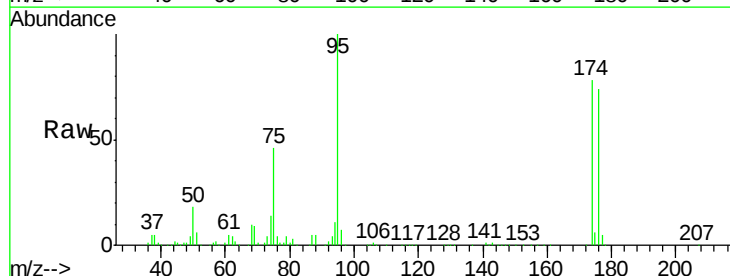
Instrument :
MSVOA_F
ClientSampleId :
VF1214SBL01

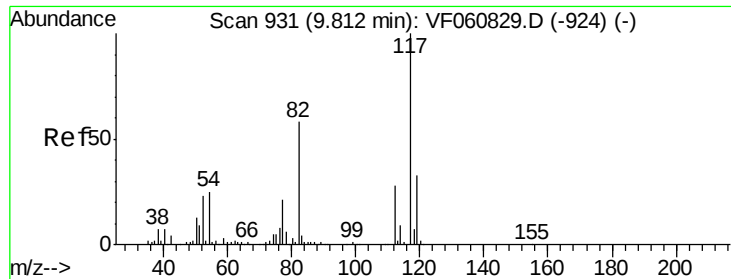
Tgt Ion: 98 Resp: 370741
Ion Ratio Lower Upper
98 100
100 72.5 59.3 88.9



#62
4-Bromofluorobenzene
Concen: 52.603 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.03 min
Lab File: VF061015.D
Acq: 14 Dec 2018 12:44

Tgt Ion: 95 Resp: 184176
Ion Ratio Lower Upper
95 100
174 78.3 0.0 138.2
176 73.6 0.0 146.2

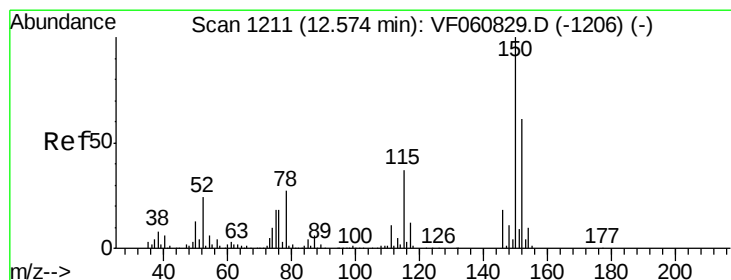
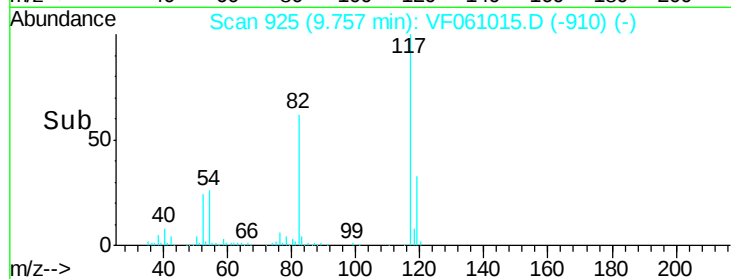
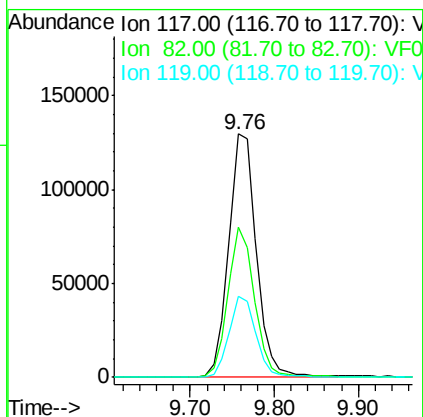
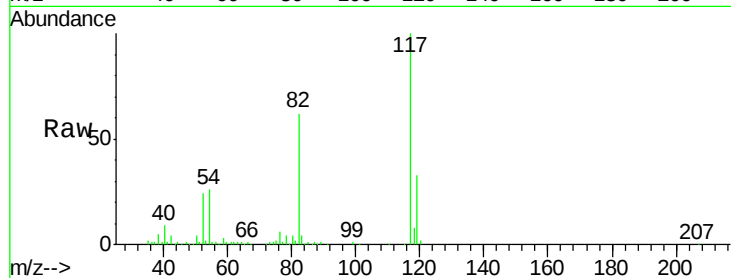




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.05 min
Lab File: VF061015.D
Acq: 14 Dec 2018 12:44

Instrument :
MSVOA_F
ClientSampleId :
VF1214SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.7	46.6	69.8
119	33.4	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.03 min
Lab File: VF061015.D
Acq: 14 Dec 2018 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.1	90.5
150	156.8	0.0	327.6

