

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051019\
 Data File : VF062443.D
 Acq On : 11 May 2019 3:12
 Operator : FY/SY
 Sample : K2754-05
 Misc : 5.04g/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 C-1

Quant Time: May 11 06:43:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	228799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	341551	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	204288	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	113409	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	164978	76.30	ug/l	0.02
Spiked Amount 50.000			Recovery	=	152.60%	
35) Dibromofluoromethane	4.32	113	196615	72.26	ug/l	0.02
Spiked Amount 50.000			Recovery	=	144.52%	
50) Toluene-d8	7.72	98	211171	32.06	ug/l	0.02
Spiked Amount 50.000			Recovery	=	64.12%	
62) 4-Bromofluorobenzene	11.50	95	119338	40.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.32%	

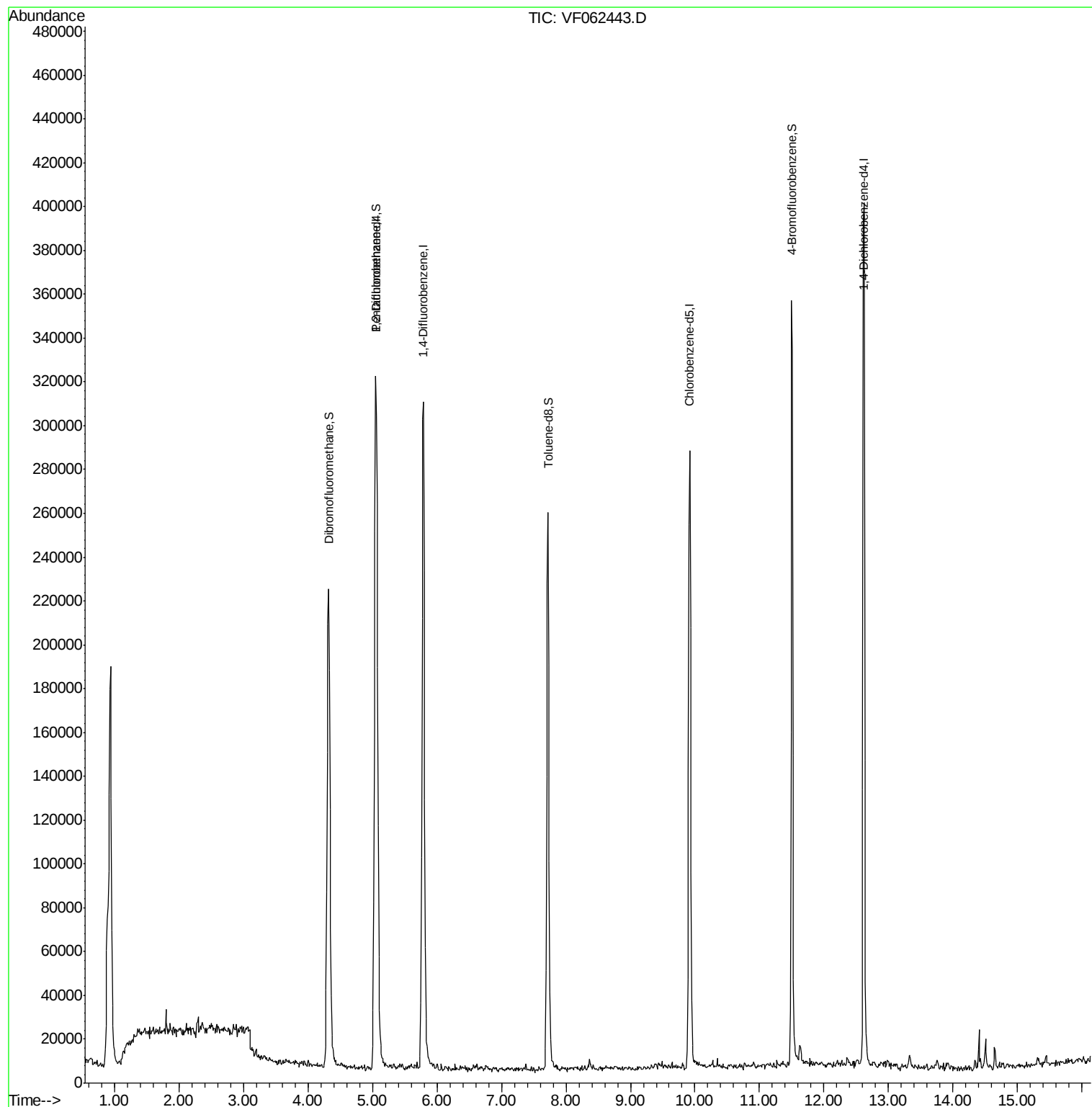
Target Compounds	Qvalue

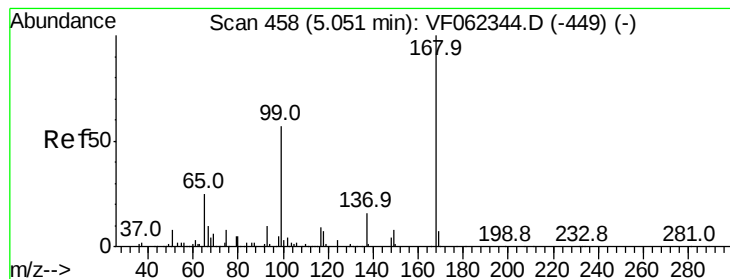
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062443.D

Acq: 11 May 2019 3:12

Instrument :

MSVOA_F

ClientSampled :

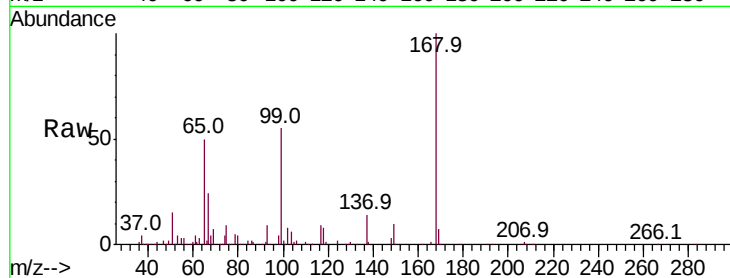
C-1

Tot Ion:168 Resp: 228799

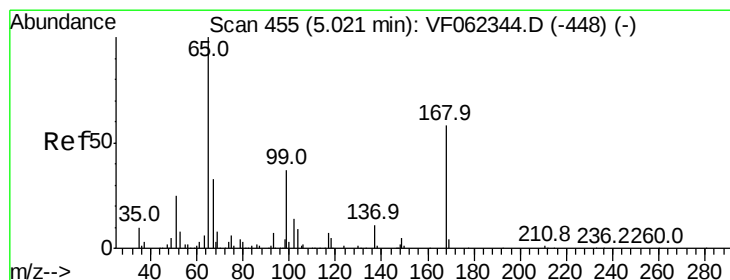
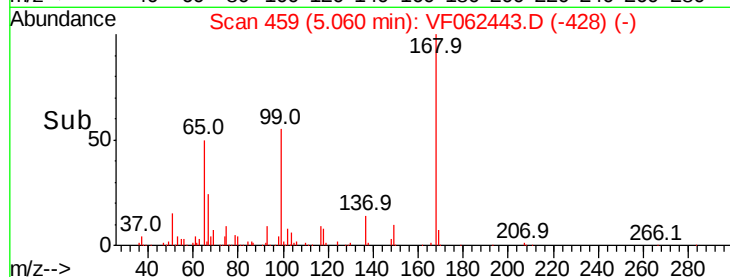
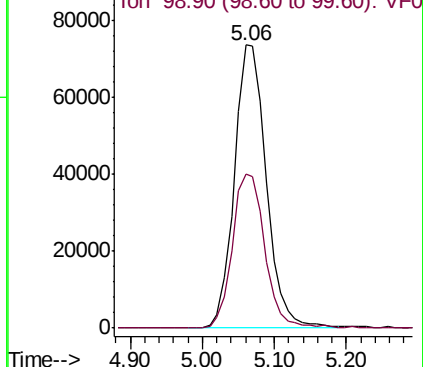
Ion Ratio Lower Upper

168 100

99 54.6 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): VF0



#33

1,2-Dichloroethane-d4

Concen: 76.299 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.02 min

Lab File: VF062443.D

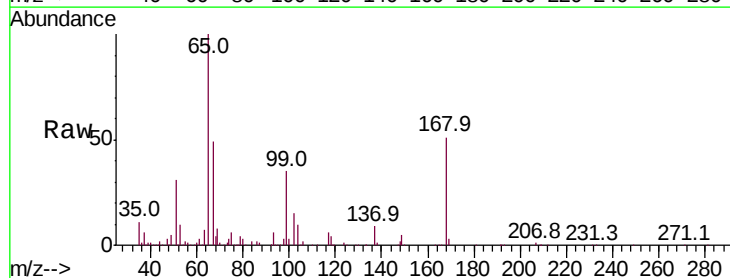
Acq: 11 May 2019 3:12

Tgt Ion: 65 Resp: 164978

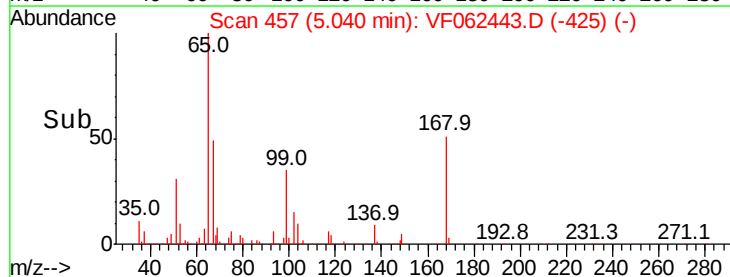
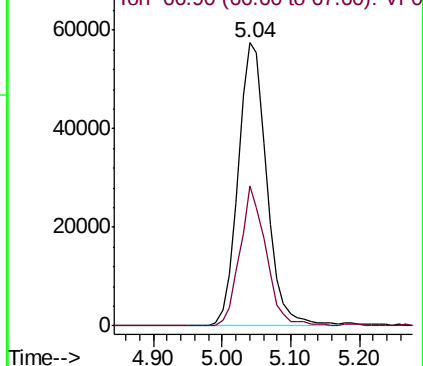
Ion Ratio Lower Upper

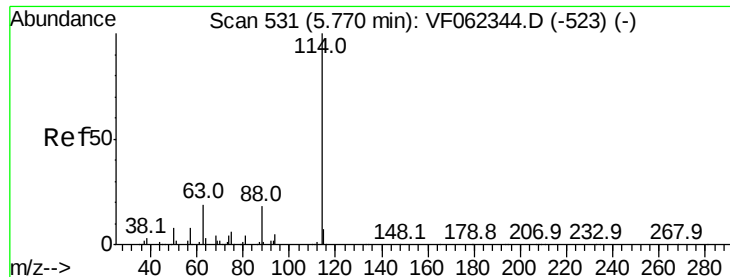
65 100

67 45.5 0.0 85.8



Abundance Ion 64.90 (64.60 to 65.60): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062443.D

Acq: 11 May 2019 3:12

Instrument :

MSVOA_F

ClientSampleId :

C-1

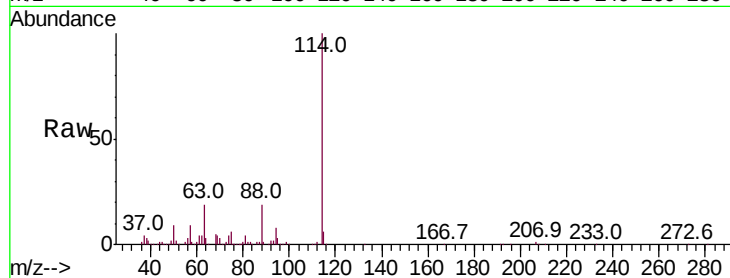
Tot Ion:114 Resp: 341551

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

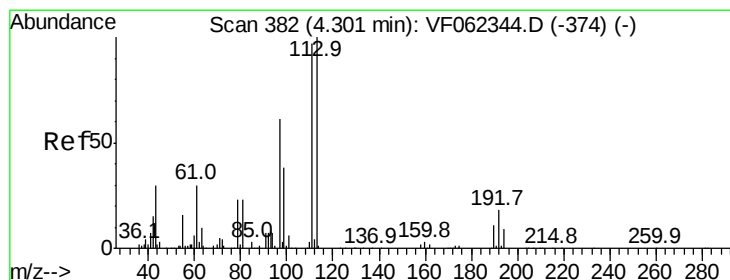
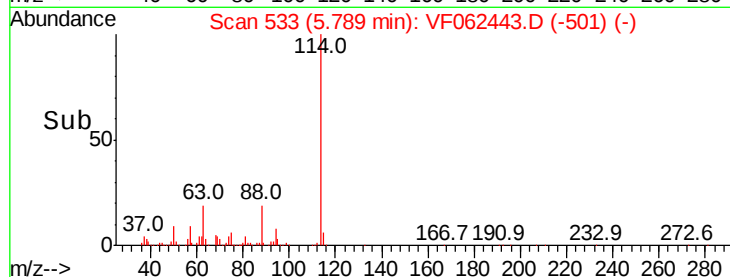
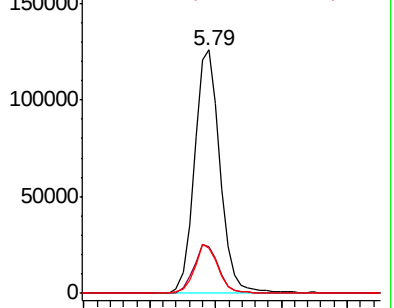
88 18.7 0.0 36.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0



#35

Dibromofluoromethane

Concen: 72.256 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062443.D

Acq: 11 May 2019 3:12

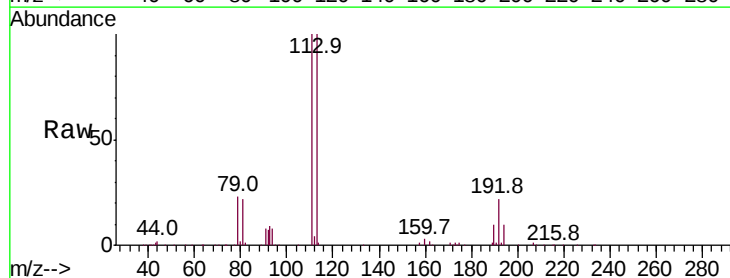
Tgt Ion:113 Resp: 196615

Ion Ratio Lower Upper

113 100

111 101.4 79.4 119.0

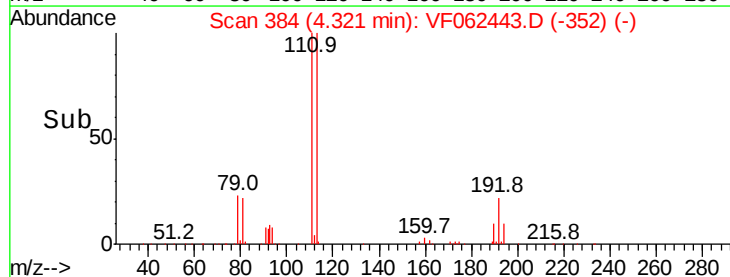
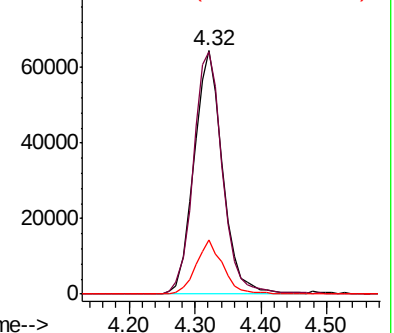
192 20.8 16.0 24.0

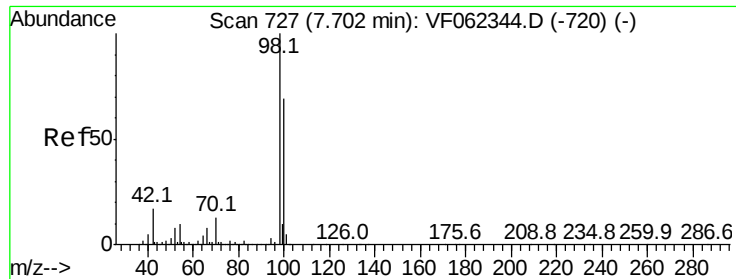


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

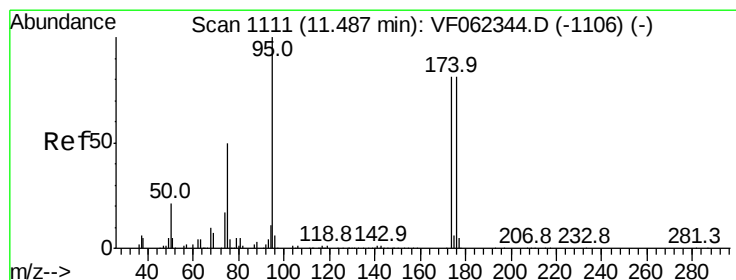
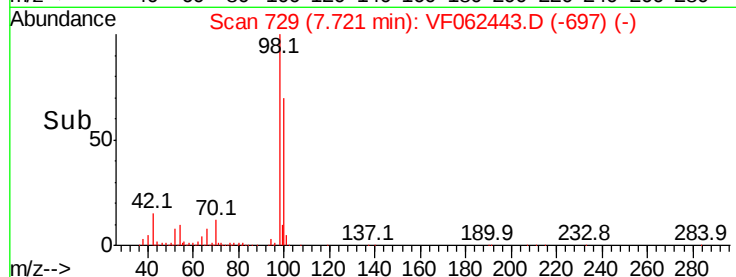
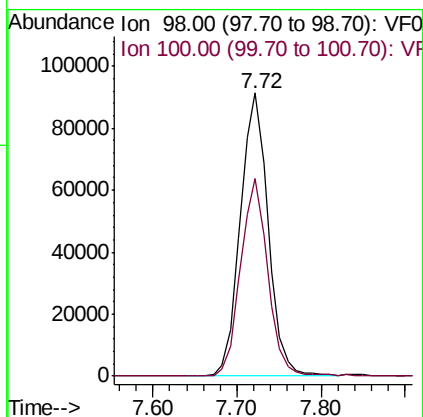
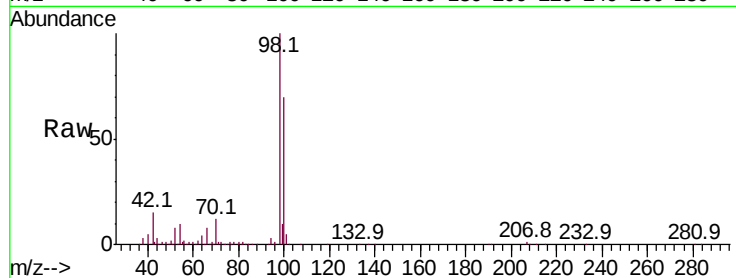




#50
Toluene-d8
Concen: 32.060 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062443.D
Acq: 11 May 2019 3:12

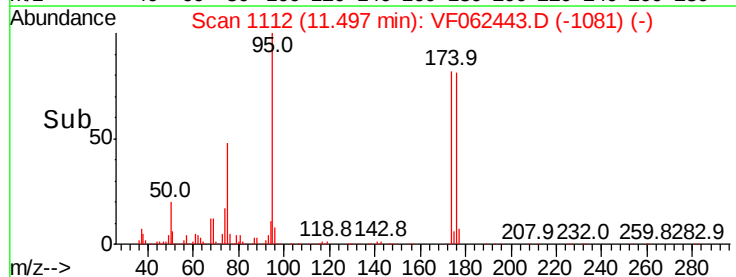
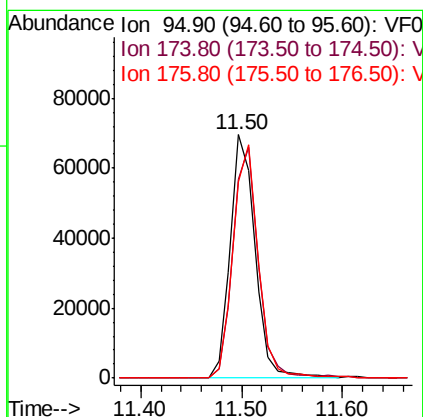
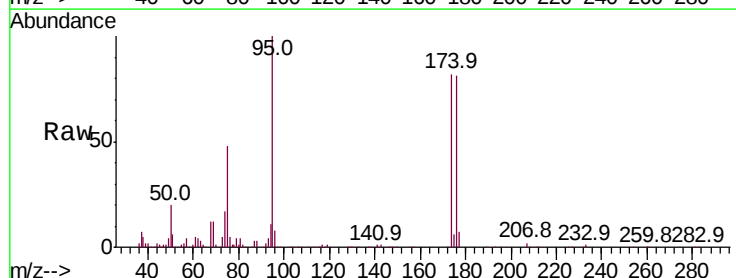
Instrument :
MSVOA_F
ClientSampled :
C-1

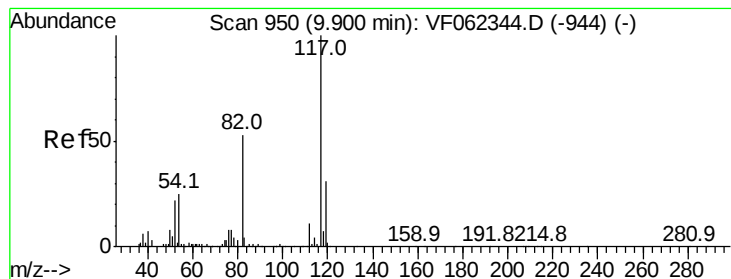
Tot Ion: 98 Resp: 211171
Ion Ratio Lower Upper
98 100
100 68.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 40.158 ug/l
RT: 11.50 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF062443.D
Acq: 11 May 2019 3:12

Tgt Ion: 95 Resp: 119338
Ion Ratio Lower Upper
95 100
174 97.1 0.0 191.8
176 97.2 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062443.D

Acq: 11 May 2019 3:12

Instrument :

MSVOA_F

ClientSampleId :

C-1

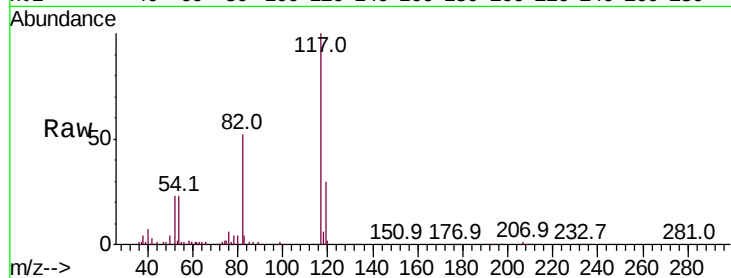
Tot Ion:117 Resp: 204288

Ion Ratio Lower Upper

117 100

82 52.0 42.2 63.2

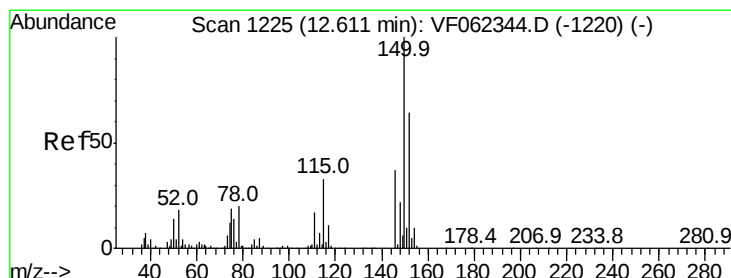
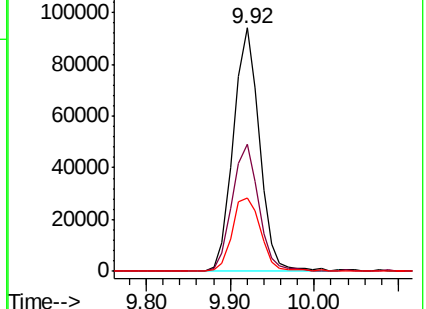
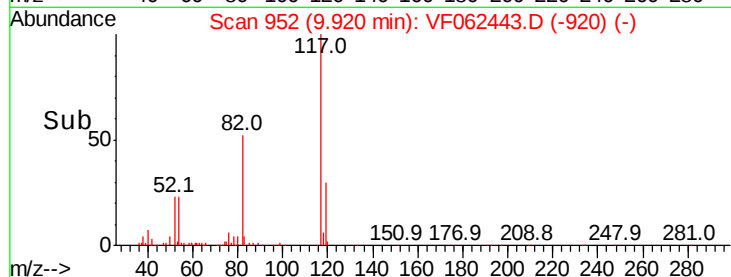
119 30.1 25.0 37.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VF062443.D

Acq: 11 May 2019 3:12

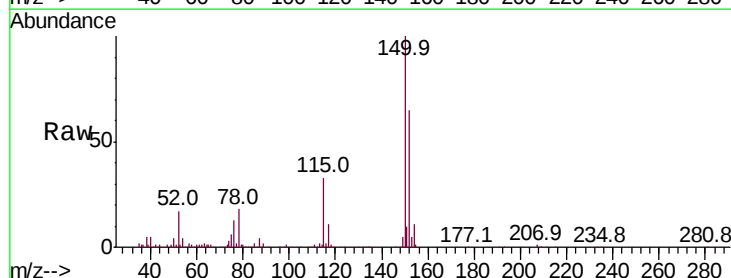
Tgt Ion:152 Resp: 113409

Ion Ratio Lower Upper

152 100

115 54.6 26.4 79.2

150 159.0 0.0 335.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

