

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122418\
 Data File : VF061178.D
 Acq On : 24 Dec 2018 21:27
 Operator : VA/AP
 Sample : J6446-16
 Misc : 4.07g/5mL/MSVOA-F/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS022-1218-01

Quant Time: Dec 25 01:25:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	27102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	33020	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	16981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	3481	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	6328	18.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	36.30%	
35) Dibromofluoromethane	4.11	113	10434	39.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.90%	
50) Toluene-d8	7.56	98	30043	40.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.16%	
62) 4-Bromofluorobenzene	11.42	95	5411	15.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.32%	

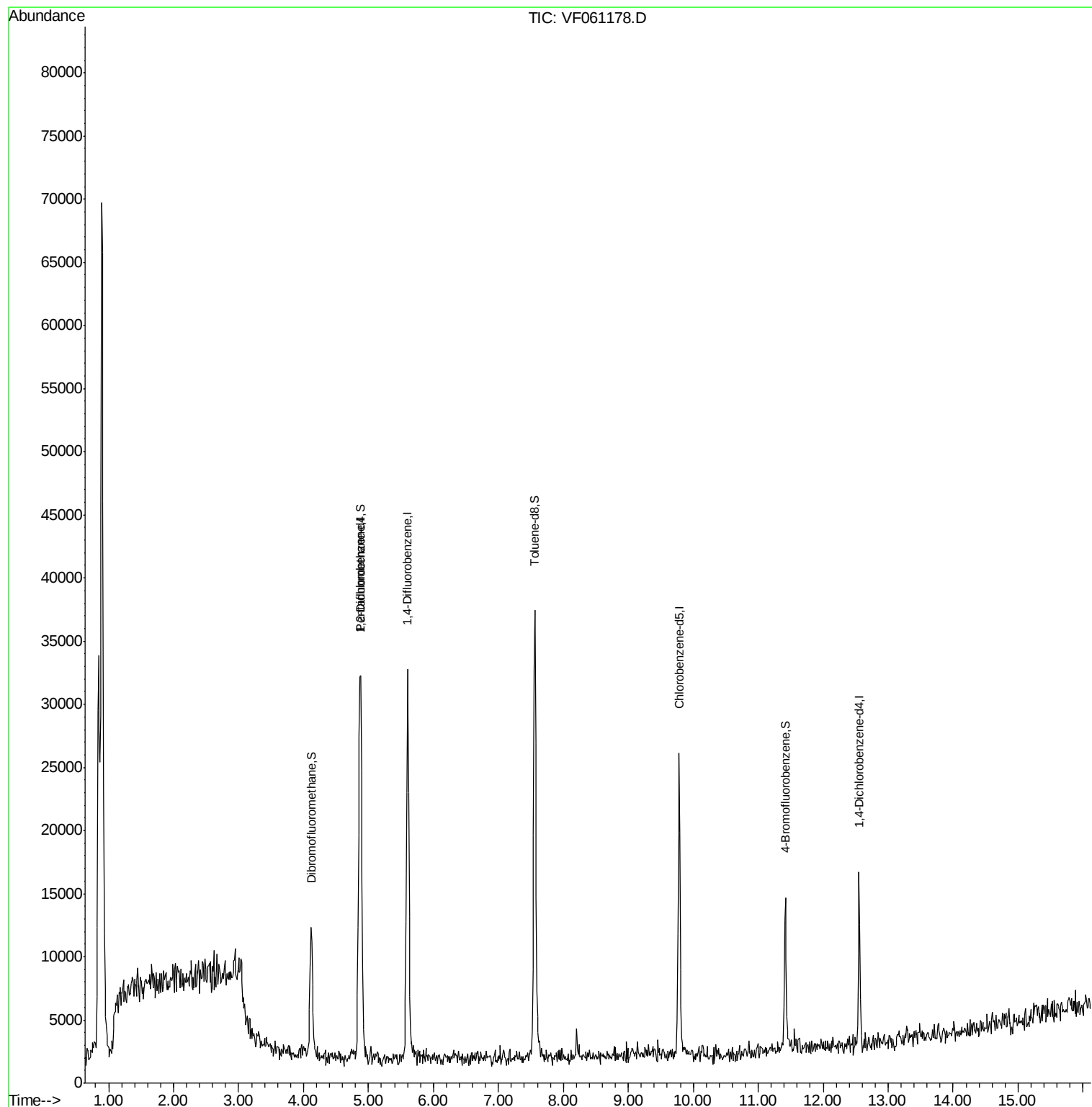
Target Compounds	Qvalue
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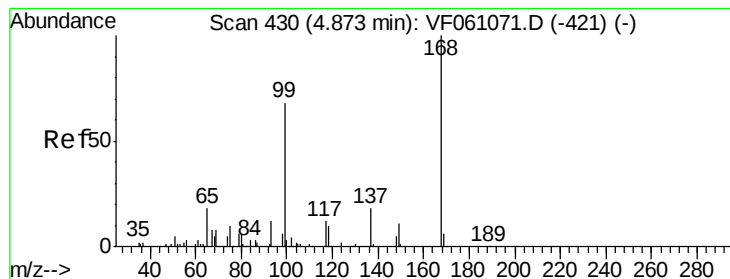
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061178.D

Acq: 24 Dec 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

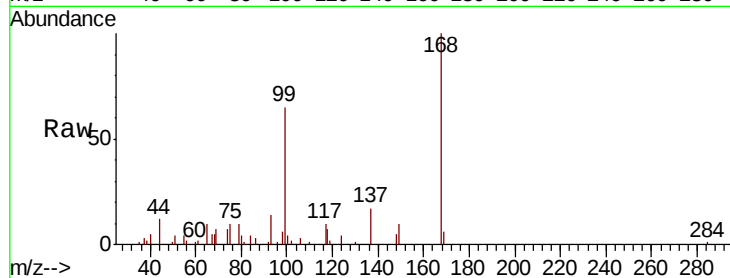
P001-SS022-1218-01

Tot Ion:168 Resp: 27102

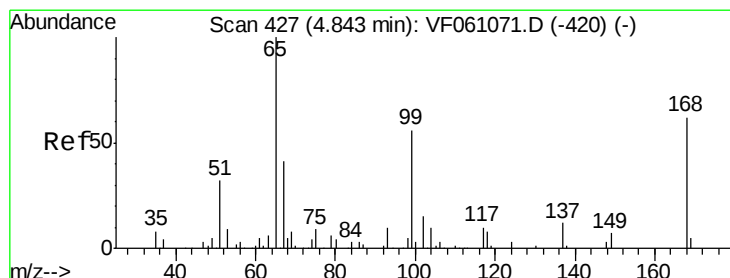
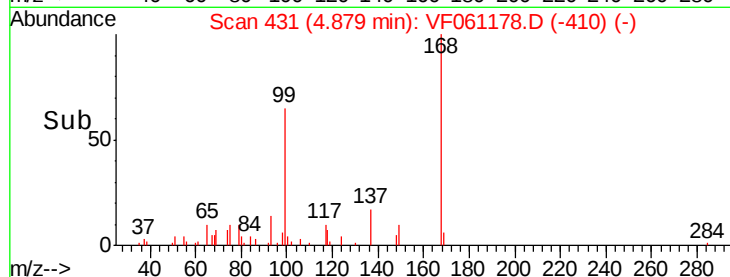
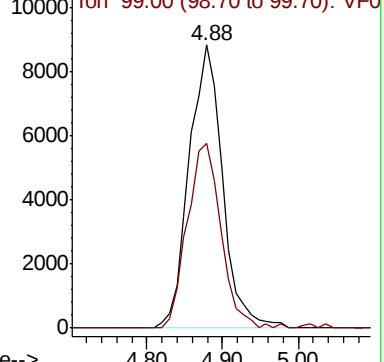
Ion Ratio Lower Upper

168 100

99 65.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 18.154 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061178.D

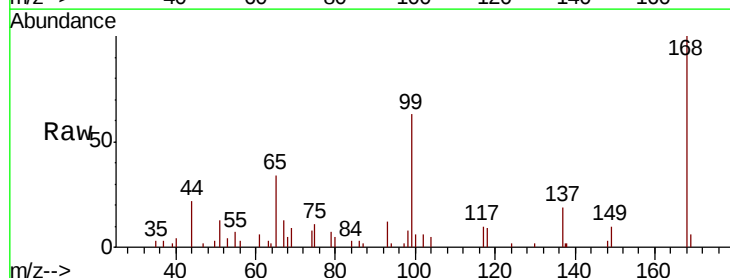
Acq: 24 Dec 2018 21:27

Tgt Ion: 65 Resp: 6328

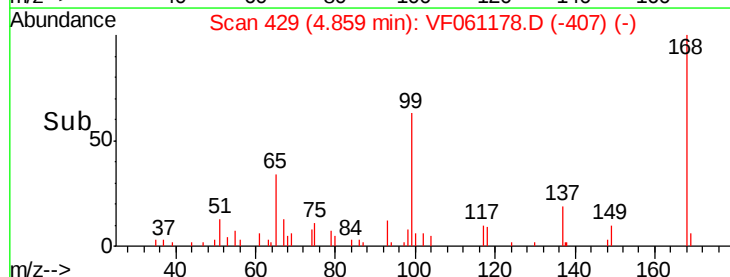
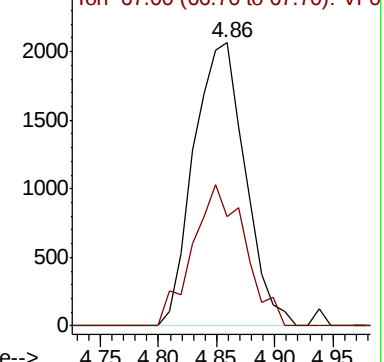
Ion Ratio Lower Upper

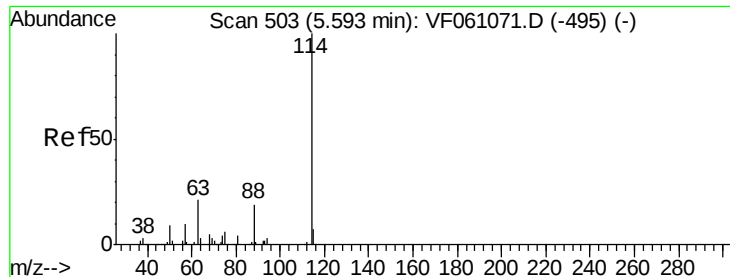
65 100

67 38.8 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. 0.01 min

Lab File: VF061178.D

Acq: 24 Dec 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

P001-SS022-1218-01

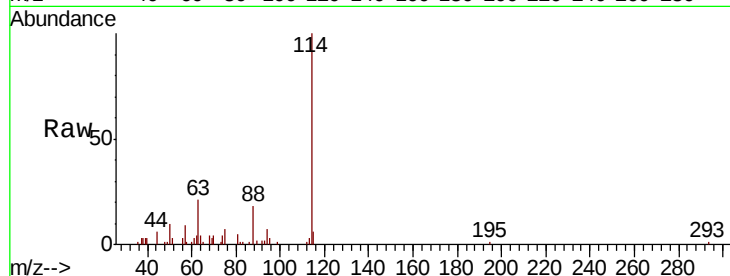
Tot Ion:114 Resp: 33020

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.6

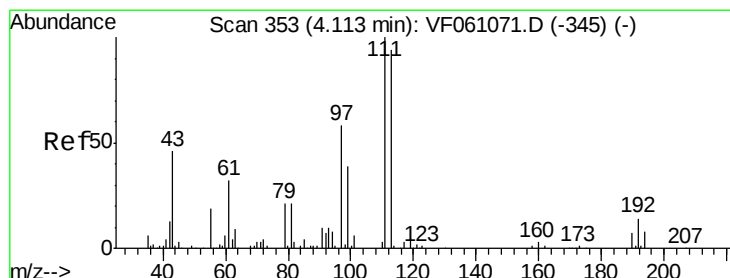
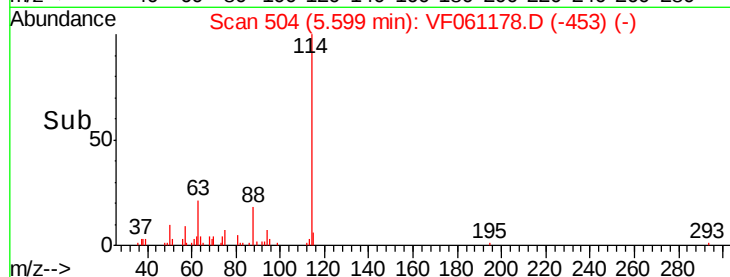
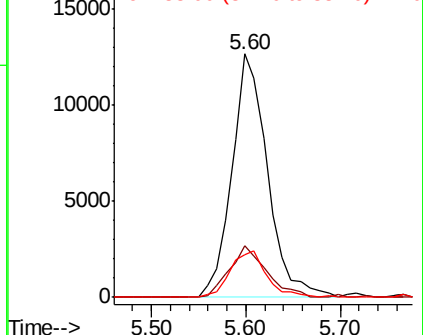
88 17.6 0.0 38.0



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: 39.447 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061178.D

Acq: 24 Dec 2018 21:27

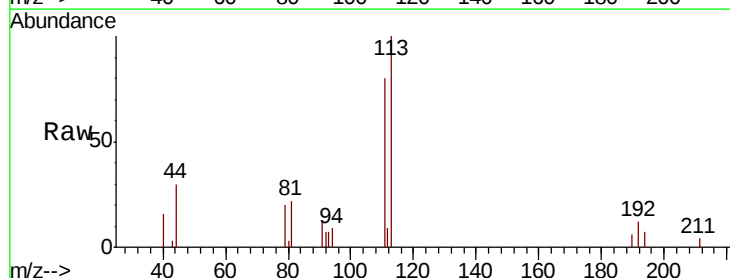
Tgt Ion:113 Resp: 10434

Ion Ratio Lower Upper

113 100

111 80.0 85.2 127.8#

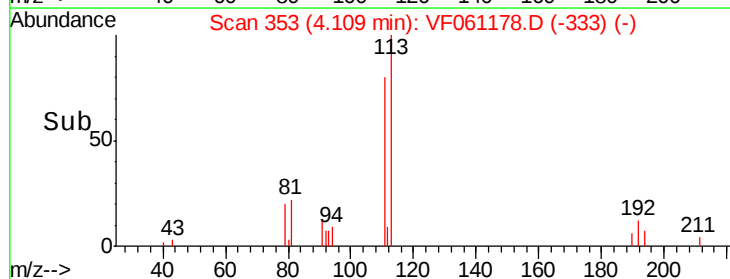
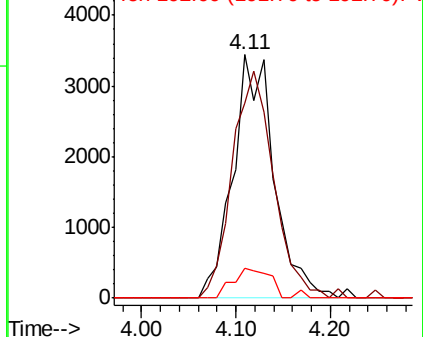
192 12.3 12.8 19.2#

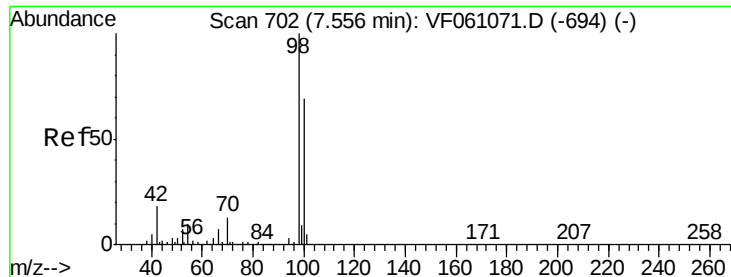


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 40.079 ug/l

RT: 7.56 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF061178.D

Acq: 24 Dec 2018 21:27

Instrument :

MSVOA_F

ClientSampleId :

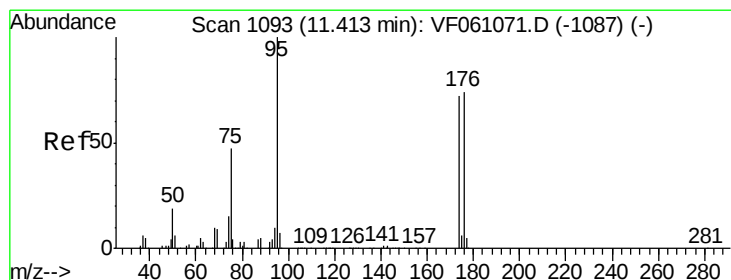
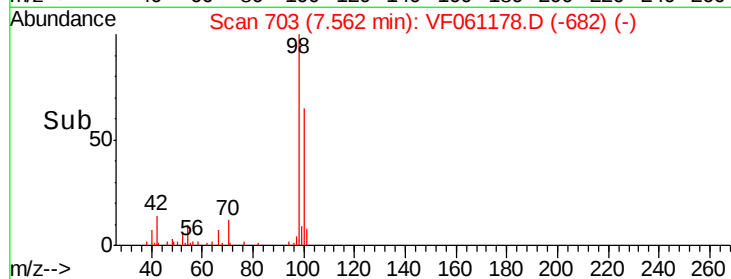
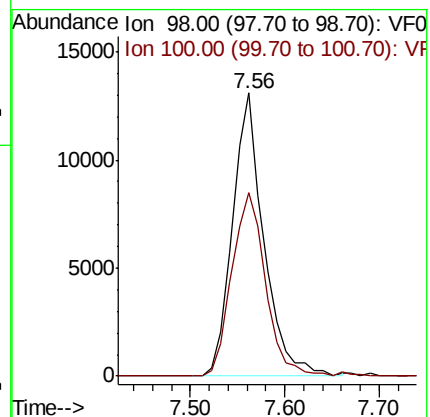
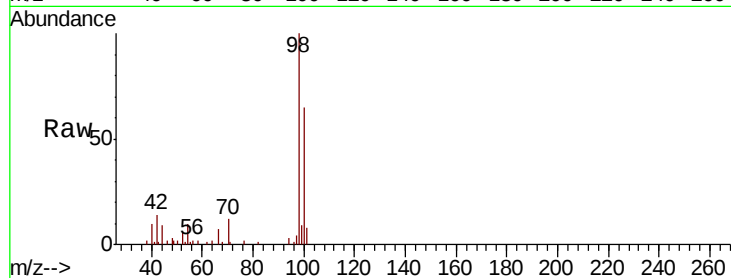
P001-SS022-1218-01

Tot Ion: 98 Resp: 30043

Ion Ratio Lower Upper

98 100

100 64.8 55.3 82.9



#62

4-Bromofluorobenzene

Concen: 15.658 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061178.D

Acq: 24 Dec 2018 21:27

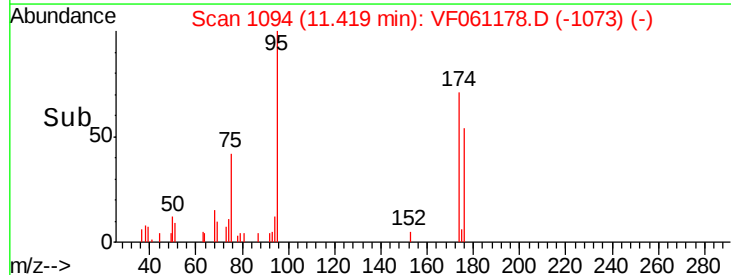
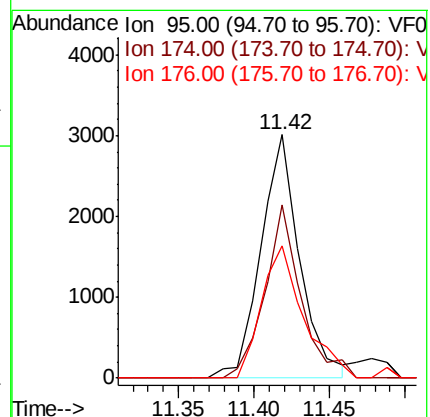
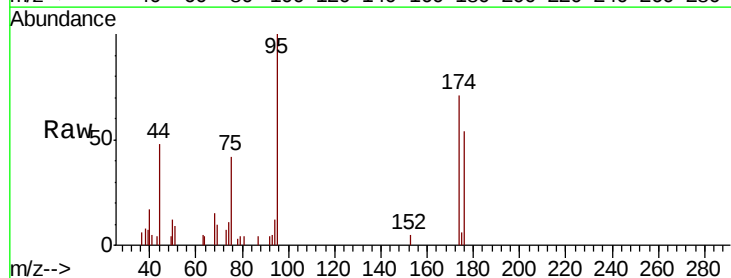
Tgt Ion: 95 Resp: 5411

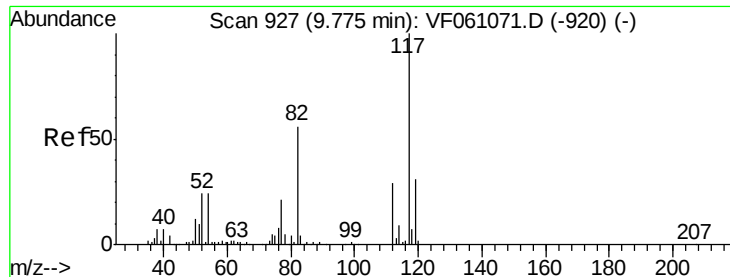
Ion Ratio Lower Upper

95 100

174 71.0 0.0 143.8

176 54.5 0.0 147.6

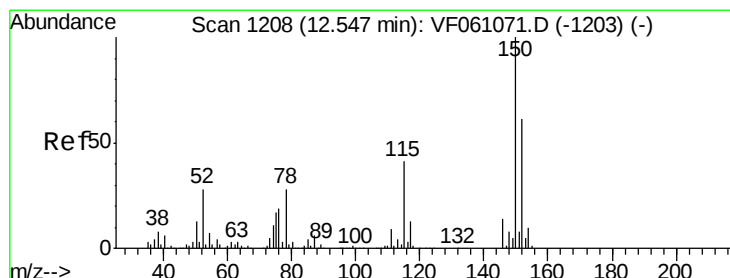
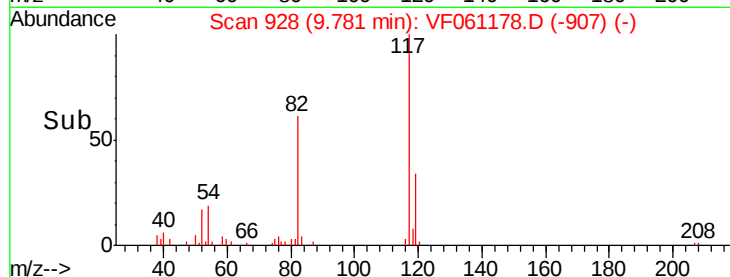
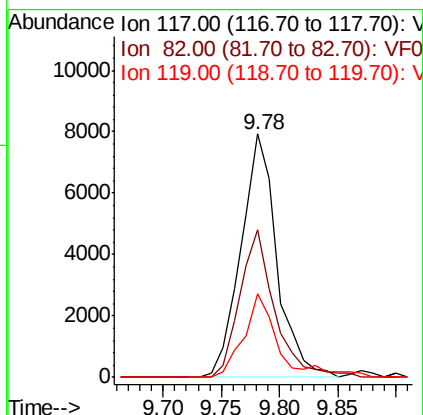
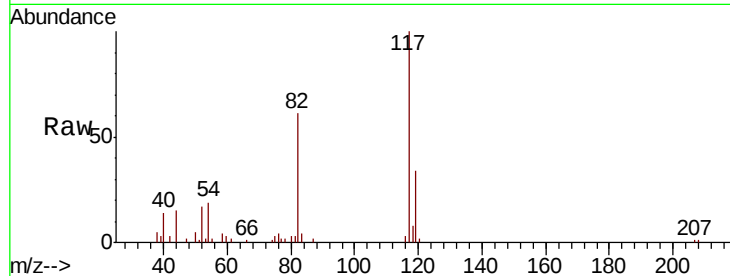




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061178.D
Acq: 24 Dec 2018 21:27

Instrument :
MSVOA_F
ClientSampleId :
P001-SS022-1218-01

Tot Ion:117 Resp: 16981
Ion Ratio Lower Upper
117 100
82 60.9 45.0 67.4
119 34.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061178.D
Acq: 24 Dec 2018 21:27

Tgt Ion:152 Resp: 3481
Ion Ratio Lower Upper
152 100
115 58.5 33.3 99.9
150 155.4 0.0 328.2

