

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122718\
 Data File : VF061217.D
 Acq On : 27 Dec 2018 19:33
 Operator : VA/AP
 Sample : J6498-05
 Misc : 6.25g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-1218-S-AB-6

Quant Time: Dec 28 00:19:34 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	4.85	168	192280	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	361774	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.75	117	294453	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.53	152	144211	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.82	65	118599	47.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.92%	
35) Dibromofluoromethane	4.09	113	135628	46.80	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.60%	
50) Toluene-d8	7.53	98	302738	36.86	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	73.72%	
62) 4-Bromofluorobenzene	11.40	95	134086	35.42	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	70.84%	

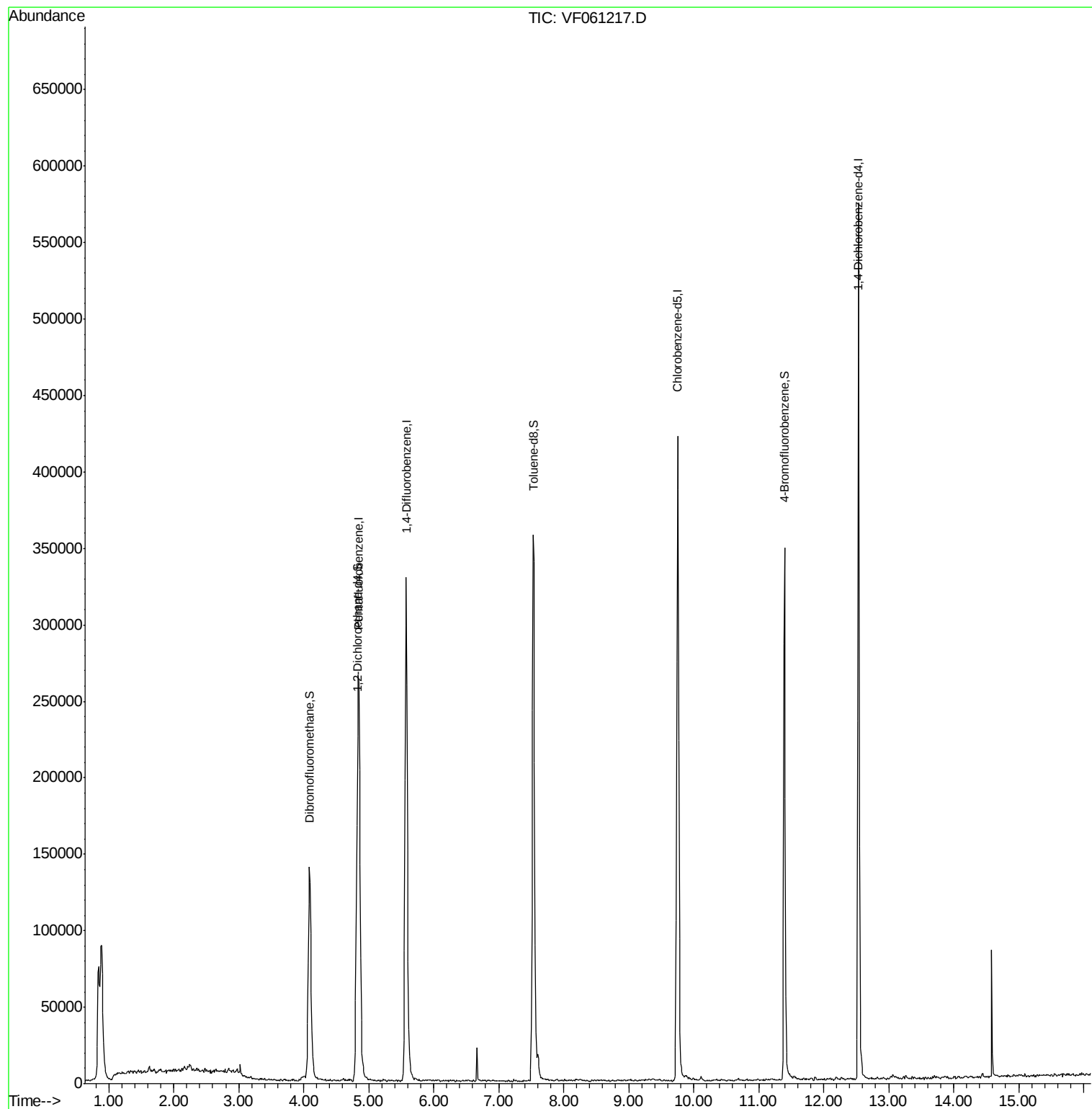
Target Compounds	Qvalue
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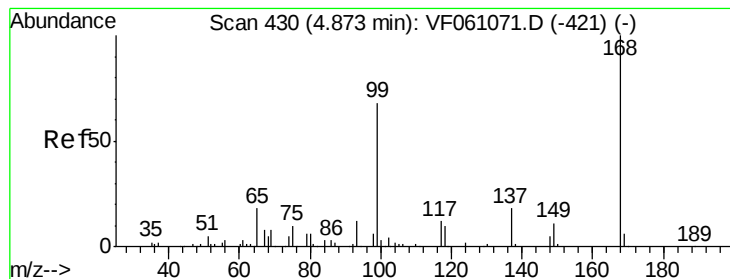
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

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Acq: 27 Dec 2018 19:33

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MSVOA_F

ClientSampleId :

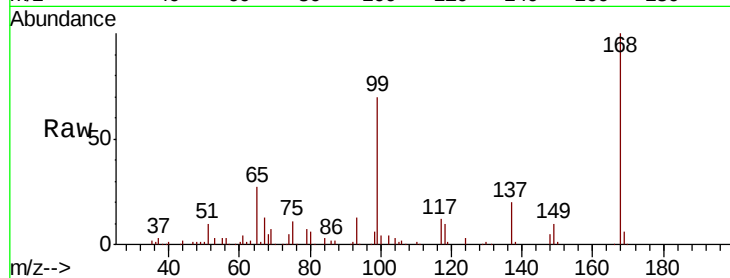
SSSI-1218-S-AB-6

Tot Ion:168 Resp: 192280

Ion Ratio Lower Upper

168 100

99 70.3 54.4 81.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

60000

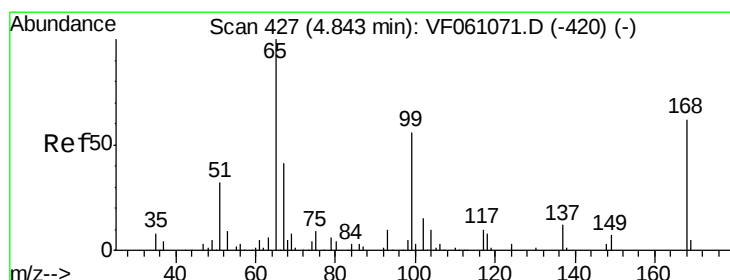
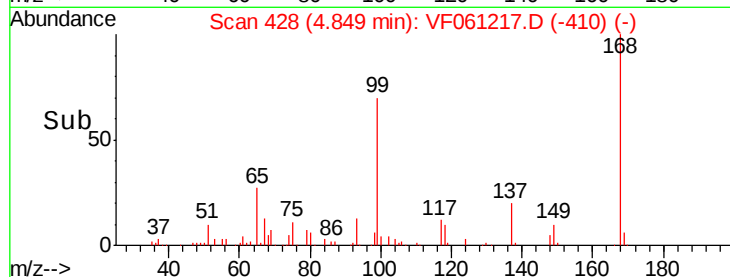
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 47.957 ug/l

RT: 4.82 min Scan# 425

Delta R.T. -0.02 min

Lab File: VF061217.D

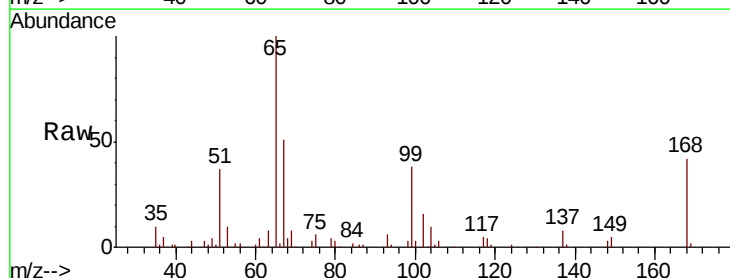
Acq: 27 Dec 2018 19:33

Tgt Ion: 65 Resp: 118599

Ion Ratio Lower Upper

65 100

67 51.4 0.0 94.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

4.82

40000

30000

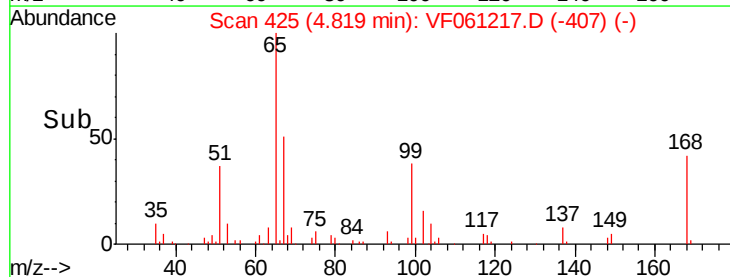
20000

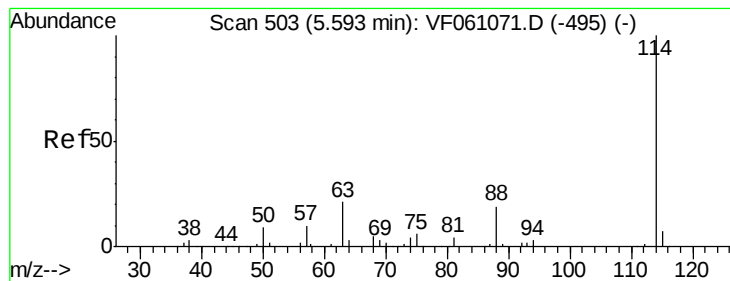
10000

0

Time-->

4.70 4.80 4.90 5.00





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.01 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

Instrument :

MSVOA_F

ClientSampleId :

SSSI-1218-S-AB-6

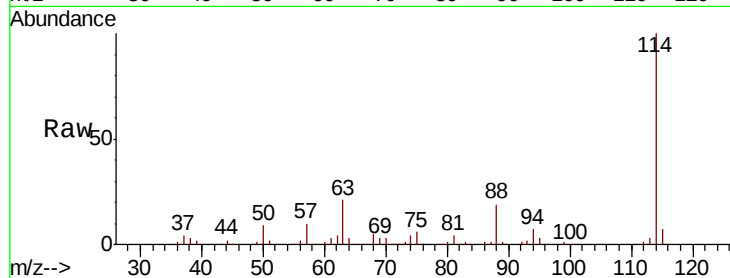
Tot Ion:114 Resp: 361774

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.6

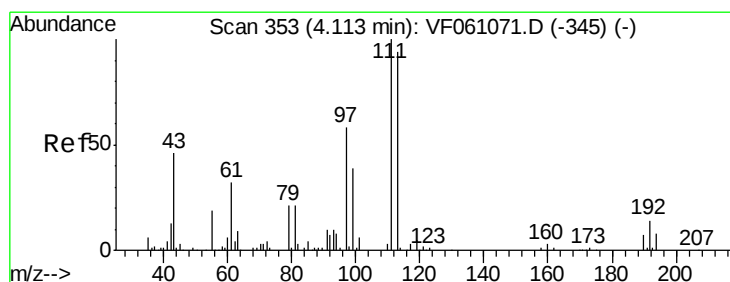
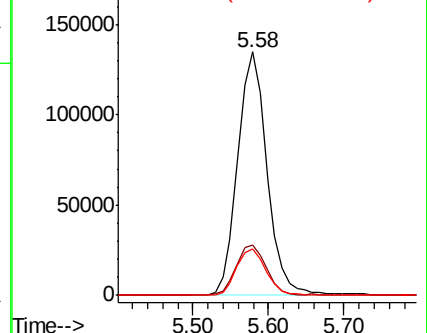
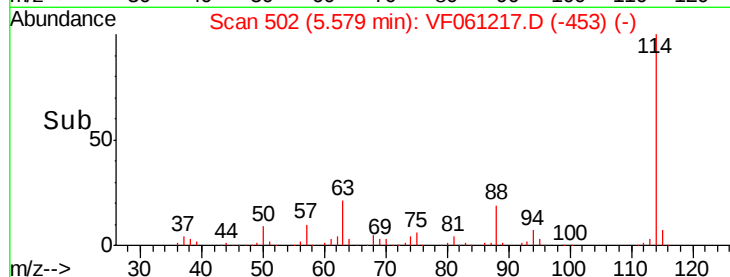
88 19.2 0.0 38.0



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: 46.800 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF061217.D

Acq: 27 Dec 2018 19:33

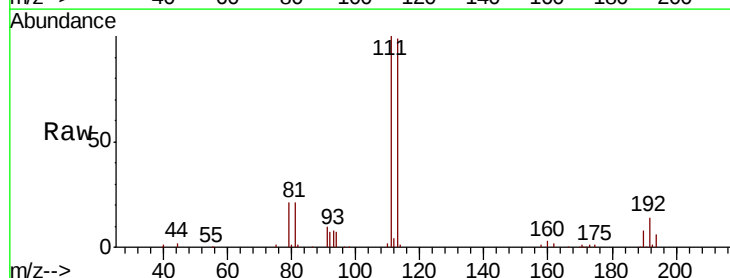
Tgt Ion:113 Resp: 135628

Ion Ratio Lower Upper

113 100

111 101.1 85.2 127.8

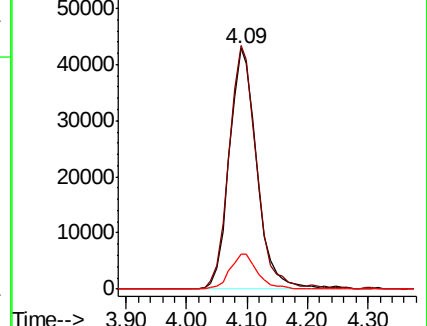
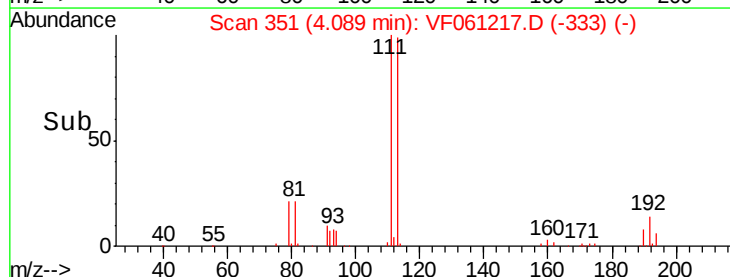
192 15.0 12.8 19.2

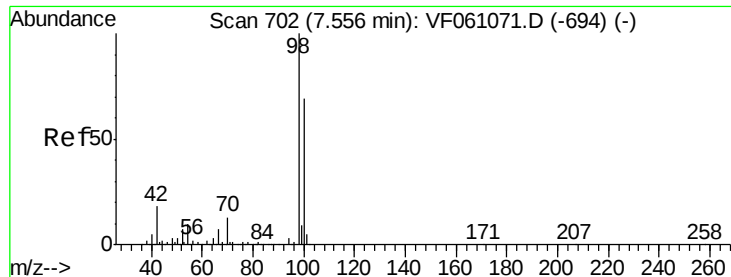


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

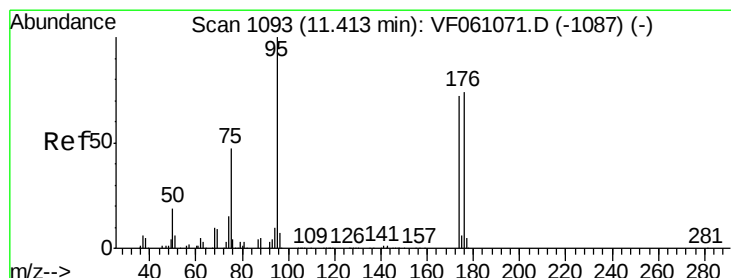
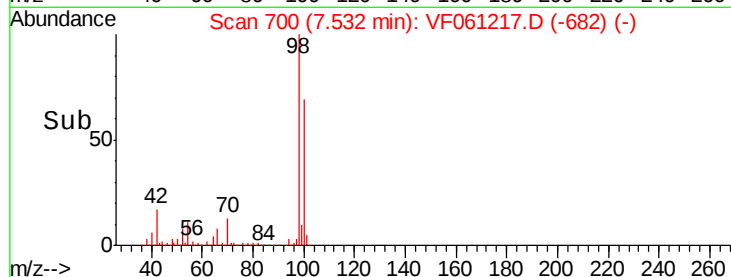
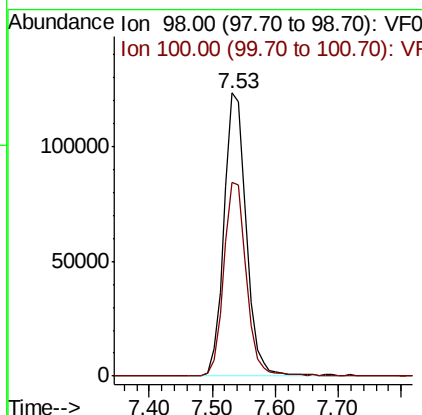
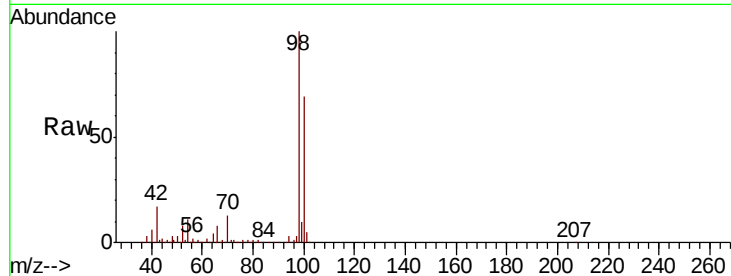




#50
Toluene-d8
Concen: 36.863 ug/l
RT: 7.53 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

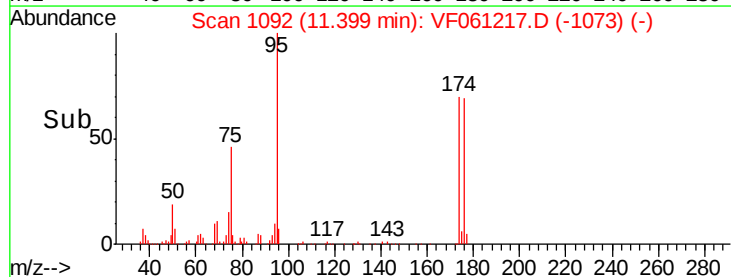
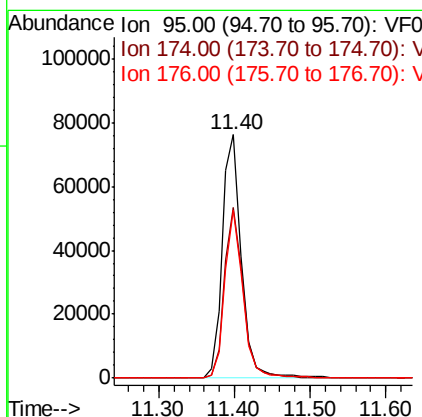
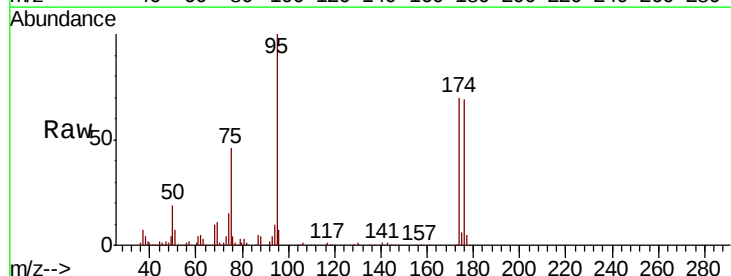
Instrument :
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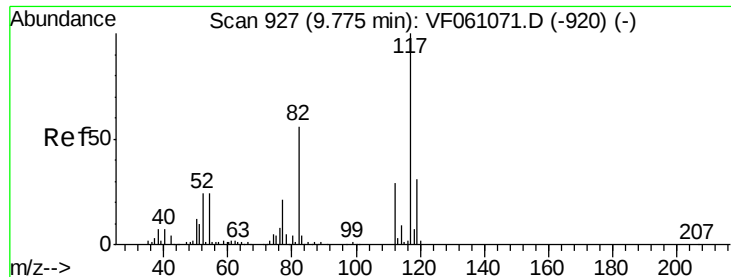
Tot Ion: 98 Resp: 302738
Ion Ratio Lower Upper
98 100
100 68.6 55.3 82.9



#62
4-Bromofluorobenzene
Concen: 35.415 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion: 95 Resp: 134086
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 69.1 0.0 147.6

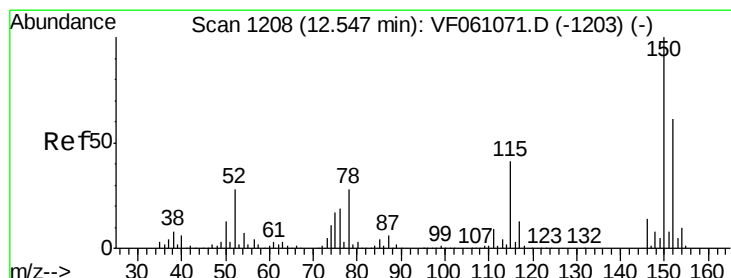
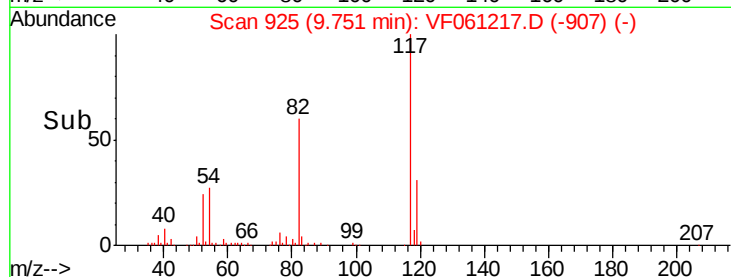
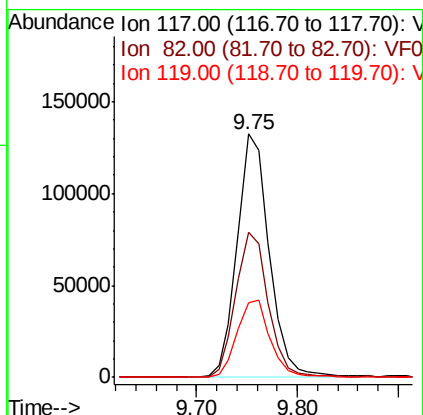
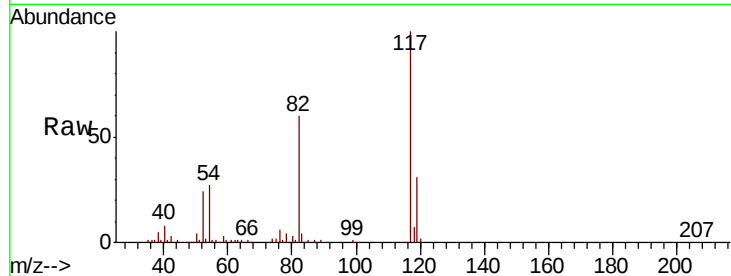




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Instrument :
MSVOA_F
ClientSampleId :
SSSI-1218-S-AB-6

Tot Ion:117 Resp: 294453
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.4
119 30.6 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.53 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061217.D
Acq: 27 Dec 2018 19:33

Tgt Ion:152 Resp: 144211
Ion Ratio Lower Upper
152 100
115 65.1 33.3 99.9
150 153.6 0.0 328.2

