

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF020819\
 Data File : VF061568.D
 Acq On : 8 Feb 2019 20:11
 Operator : VA/AP
 Sample : K1452-01
 Misc : 6.41g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-2

Quant Time: Feb 09 05:56:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 04:51:59 2019
 Response via : Initial Calibration

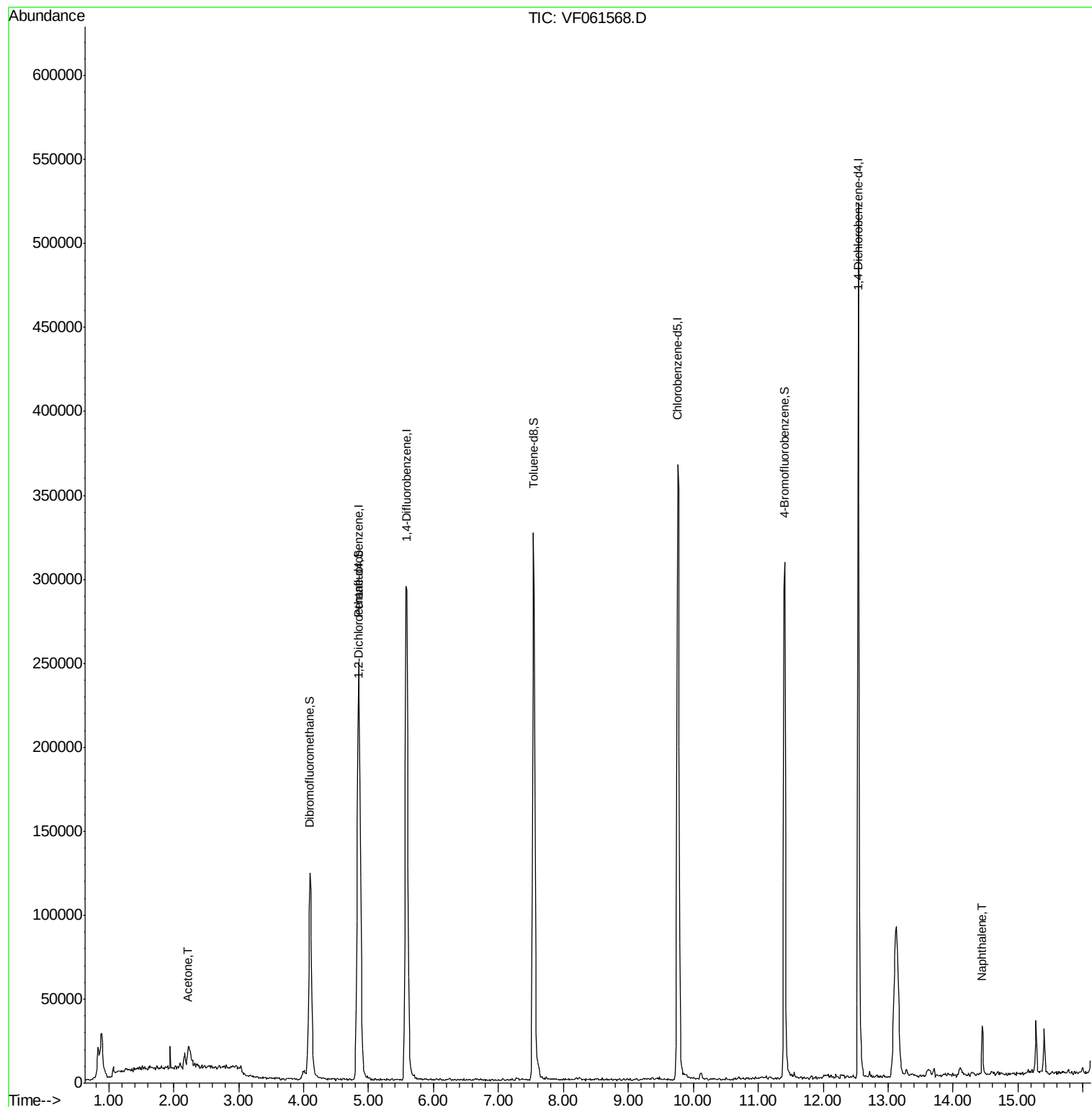
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	183277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	333023	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	272664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	124507	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	102343	45.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.46%	
35) Dibromofluoromethane	4.10	113	114864	43.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.42%	
50) Toluene-d8	7.54	98	276070	38.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.68%	
62) 4-Bromofluorobenzene	11.40	95	127255	37.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.66%	
Target Compounds						
16) Acetone	2.23	43	12371	27.252	ug/l #	92
95) Naphthalene	14.45	128	22187	4.167	ug/l	99

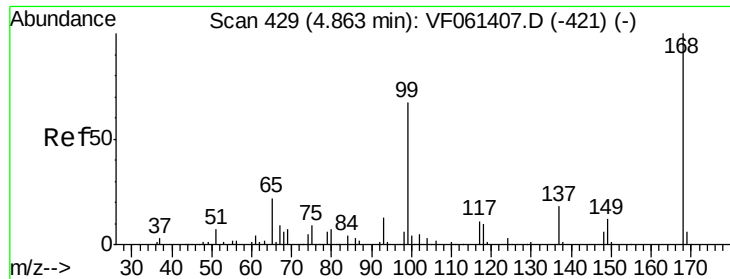
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

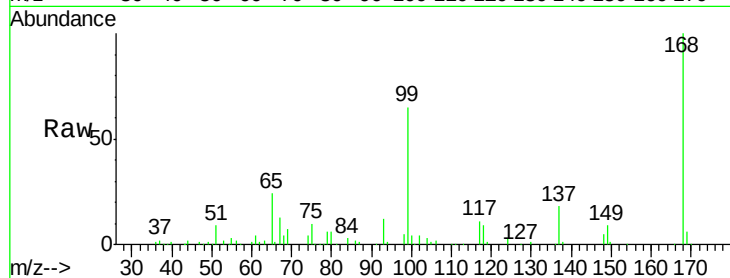
TEST-PIT-2

Tot Ion:168 Resp: 183277

Ion Ratio Lower Upper

168 100

99 65.1 53.5 80.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

60000

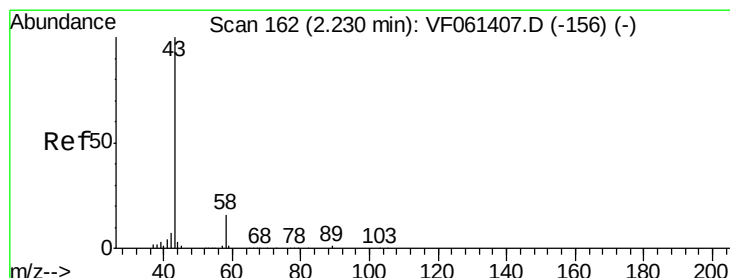
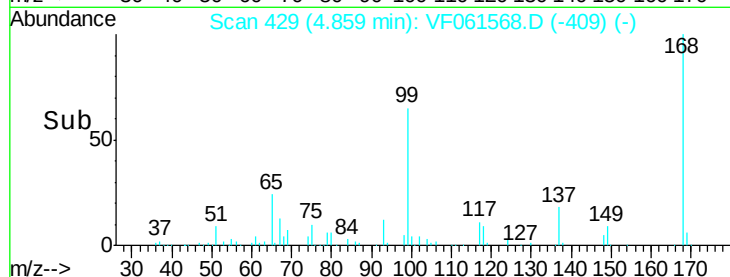
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 27.252 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061568.D

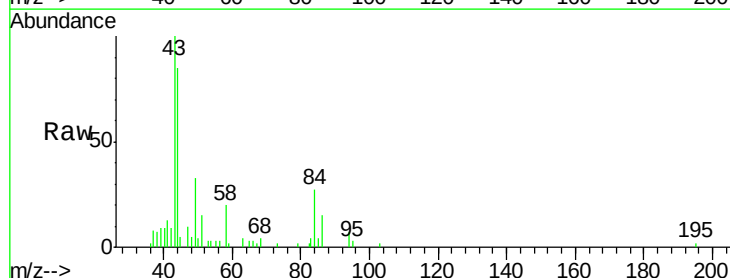
Acq: 8 Feb 2019 20:11

Tgt Ion: 43 Resp: 12371

Ion Ratio Lower Upper

43 100

58 20.2 13.3 19.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

5000

4000

3000

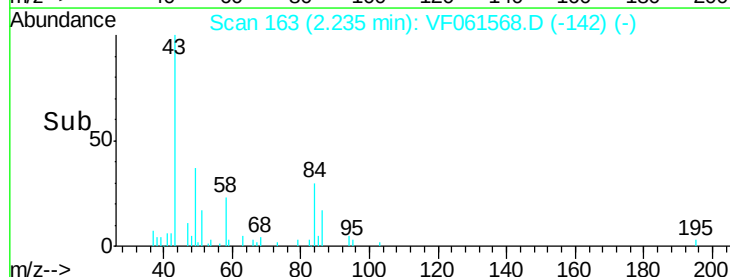
2000

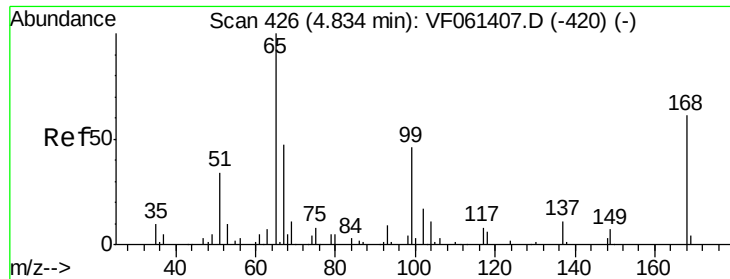
1000

0

Time-->

2.10 2.20 2.30

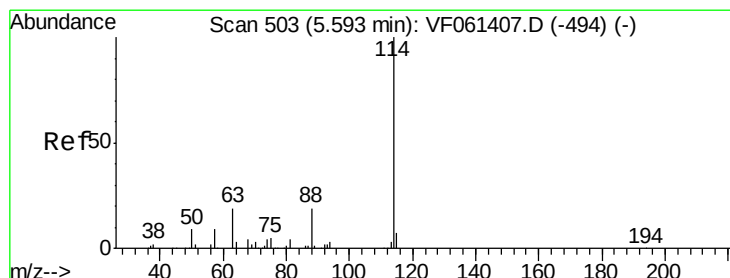
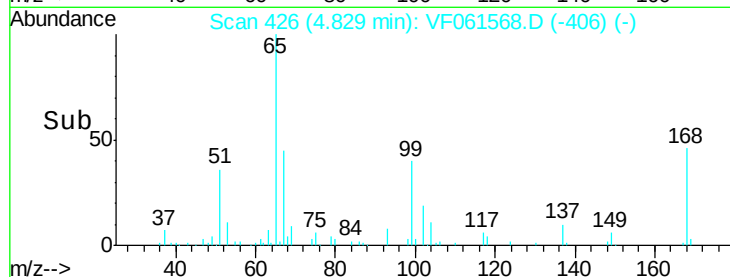
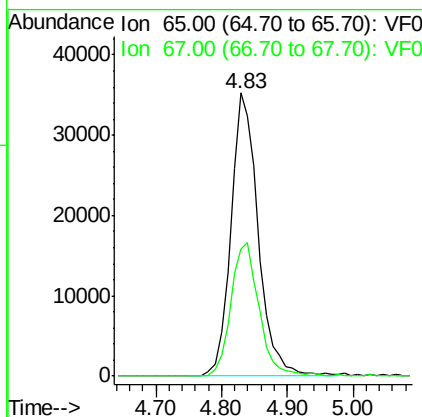
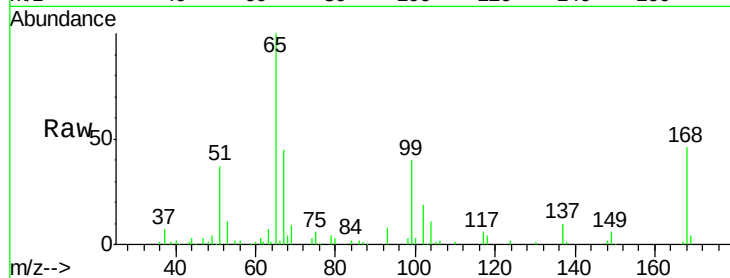




#33
 1,2-Dichloroethane-d4
 Concen: 45.229 ug/l
 RT: 4.83 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: VF061568.D
 Acq: 8 Feb 2019 20:11

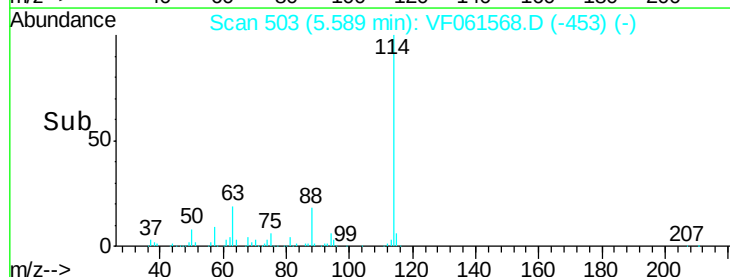
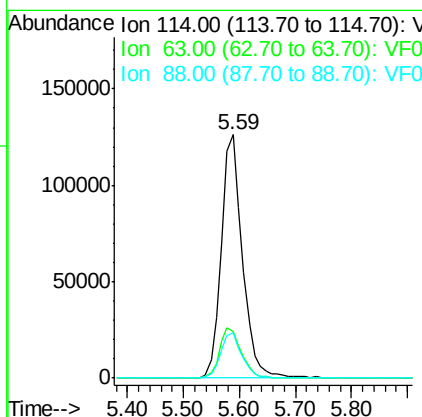
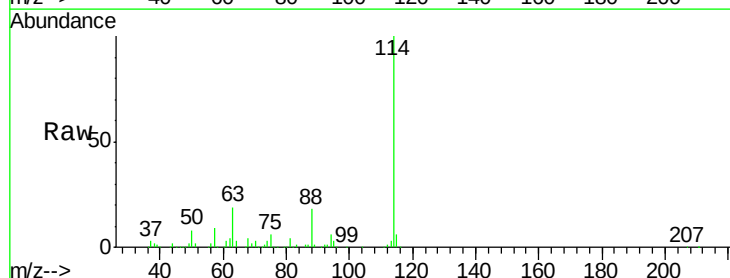
Instrument :
 MSVOA_F
 ClientSampleId :
 TEST-PIT-2

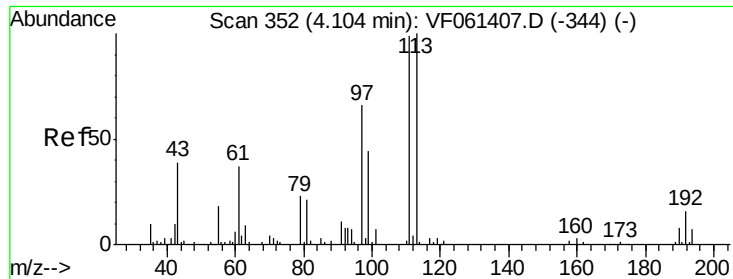
Tot Ion: 65 Resp: 102343
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF061568.D
 Acq: 8 Feb 2019 20:11

Tgt Ion: 114 Resp: 333023
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.0
 88 18.3 0.0 37.4





#35

Dibromofluoromethane

Concen: 43.710 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-2

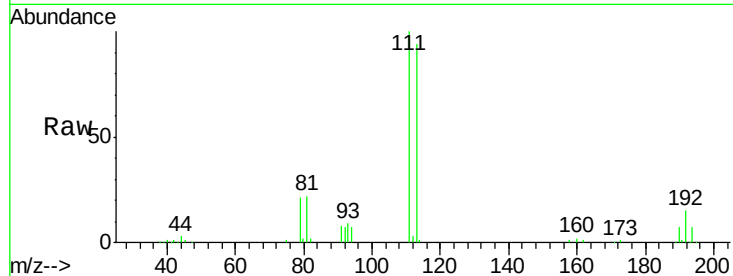
Tot Ion:113 Resp: 114864

Ion Ratio Lower Upper

113 100

111 106.3 79.4 119.0

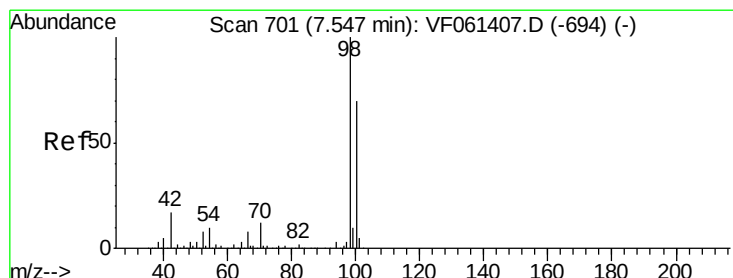
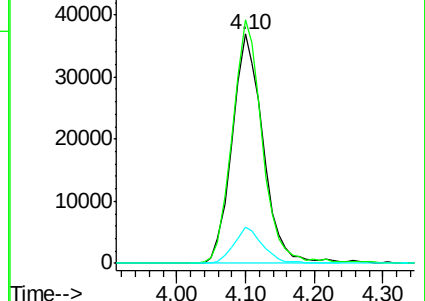
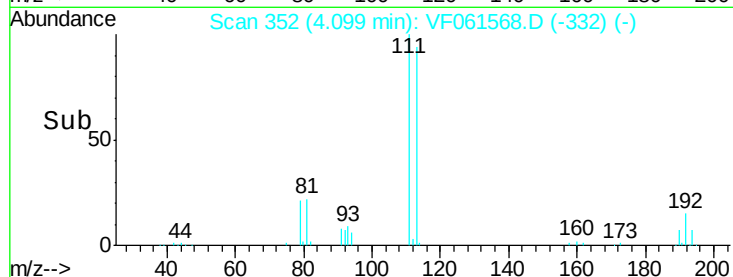
192 15.9 12.4 18.6



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: 38.344 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF061568.D

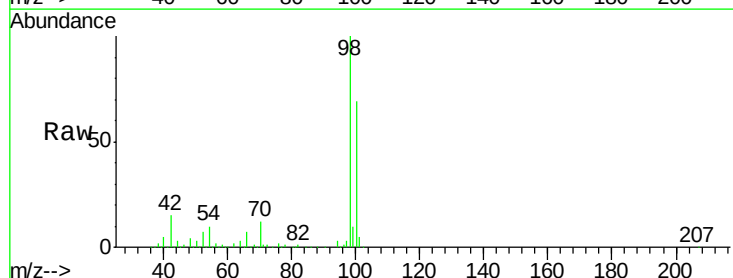
Acq: 8 Feb 2019 20:11

Tgt Ion: 98 Resp: 276070

Ion Ratio Lower Upper

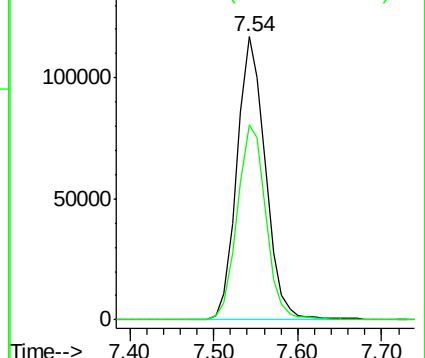
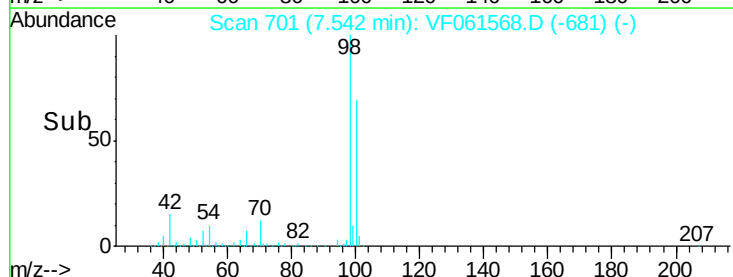
98 100

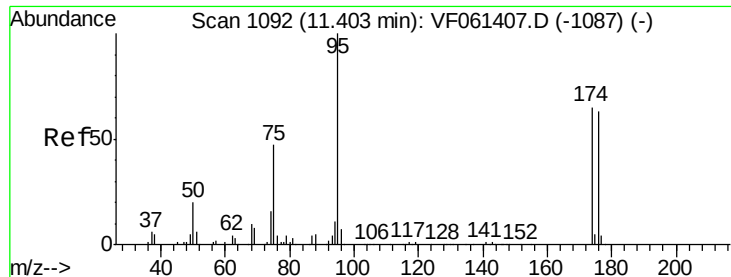
100 68.8 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#62

4-Bromofluorobenzene

Concen: 37.829 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

Instrument :

MSVOA_F

ClientSampleId :

TEST-PIT-2

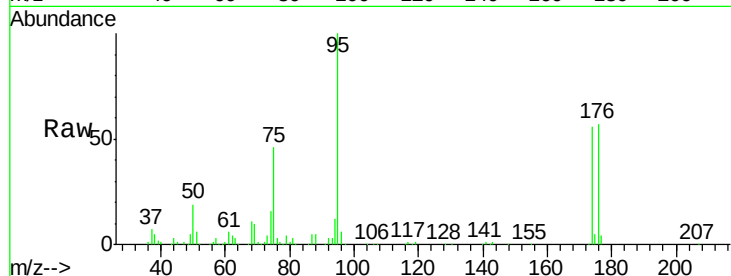
Tot Ion: 95 Resp: 127255

Ion Ratio Lower Upper

95 100

174 55.7 0.0 130.4

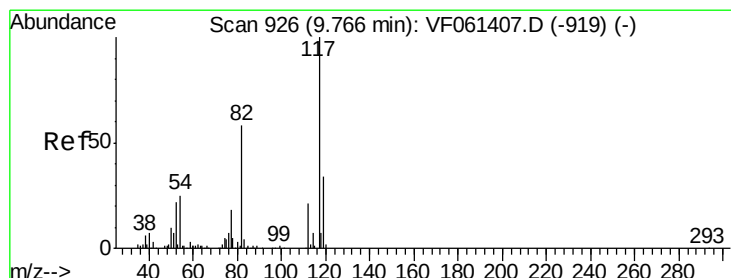
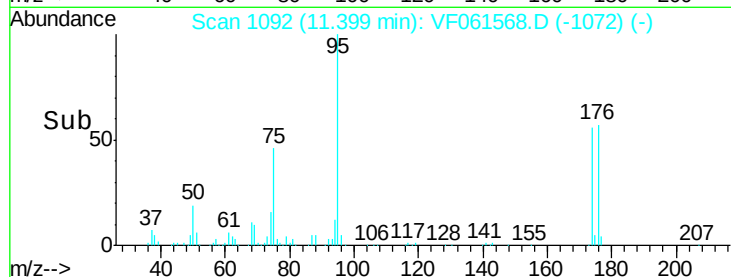
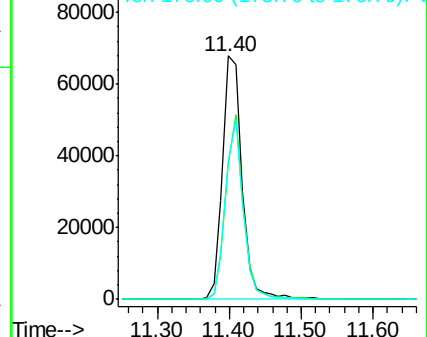
176 56.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): VF0

Ion 176.00 (175.70 to 176.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VF061568.D

Acq: 8 Feb 2019 20:11

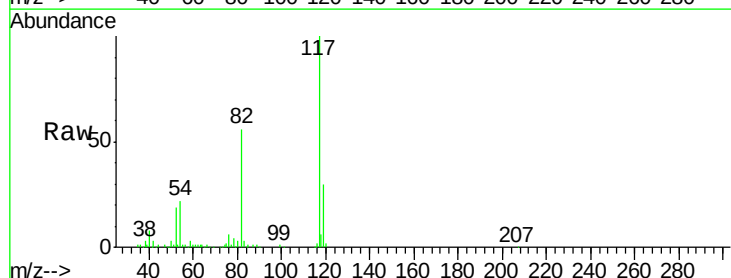
Tgt Ion: 117 Resp: 272664

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

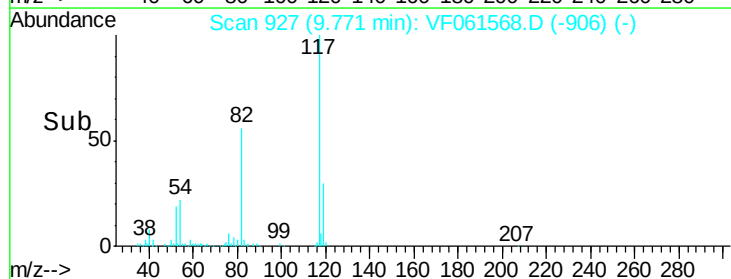
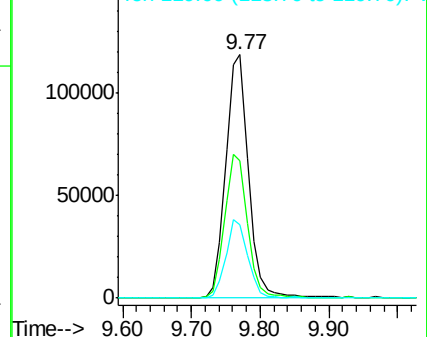
119 30.4 27.2 40.8

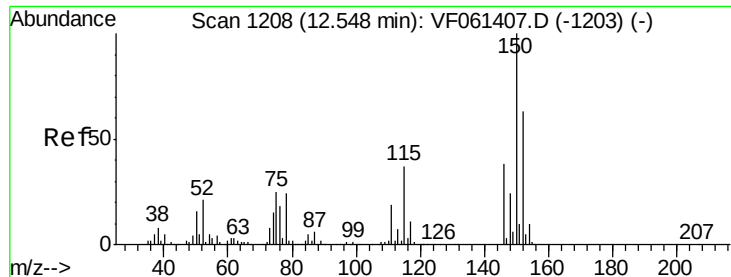


Abundance Ion 117.00 (116.70 to 117.70): VF0

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): VF0



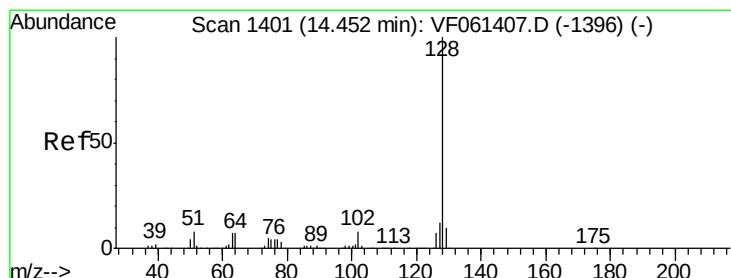
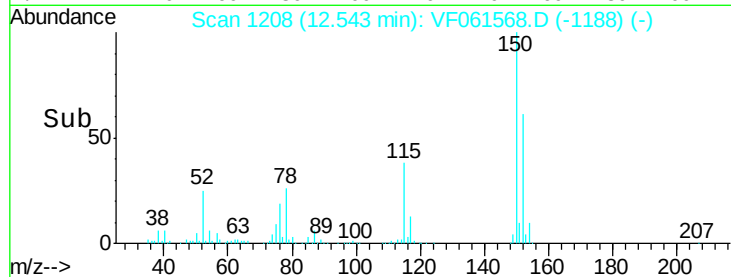
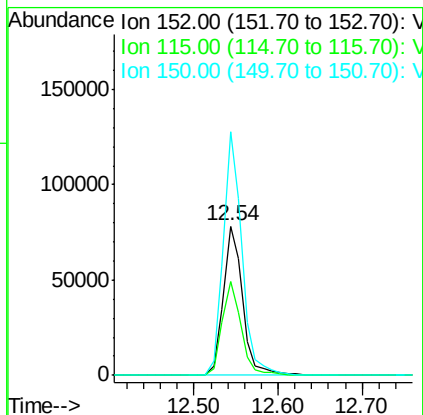
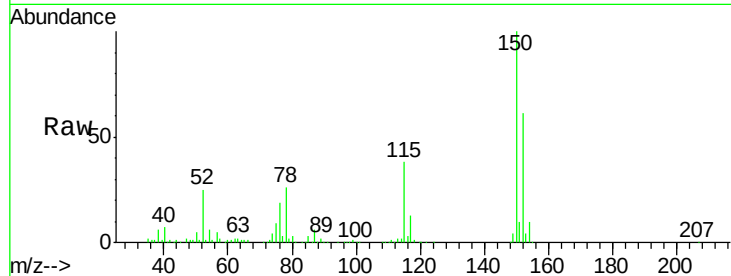


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VF061568.D
Acq: 8 Feb 2019 20:11

Instrument :
MSVOA_F
ClientSampled :
TEST-PIT-2

Tot Ion:152 Resp: 124507
Ion Ratio Lower Upper
152 100
115 62.6 30.0 90.0
150 163.4 0.0 321.4



#95

Naphthalene
Concen: 4.167 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061568.D
Acq: 8 Feb 2019 20:11

Tgt Ion:128 Resp: 22187
Ion Ratio Lower Upper
128 100
127 11.4 9.5 14.3
129 10.9 8.4 12.6

