

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\  
 Data File : VF061397.D  
 Acq On : 14 Jan 2019 18:59  
 Operator : VA/AP  
 Sample : K1139-09  
 Misc : 4.54g/5mL/MSVOA-F/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 S-5

Quant Time: Jan 14 22:10:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 07:13:51 2019  
 Response via : Initial Calibration

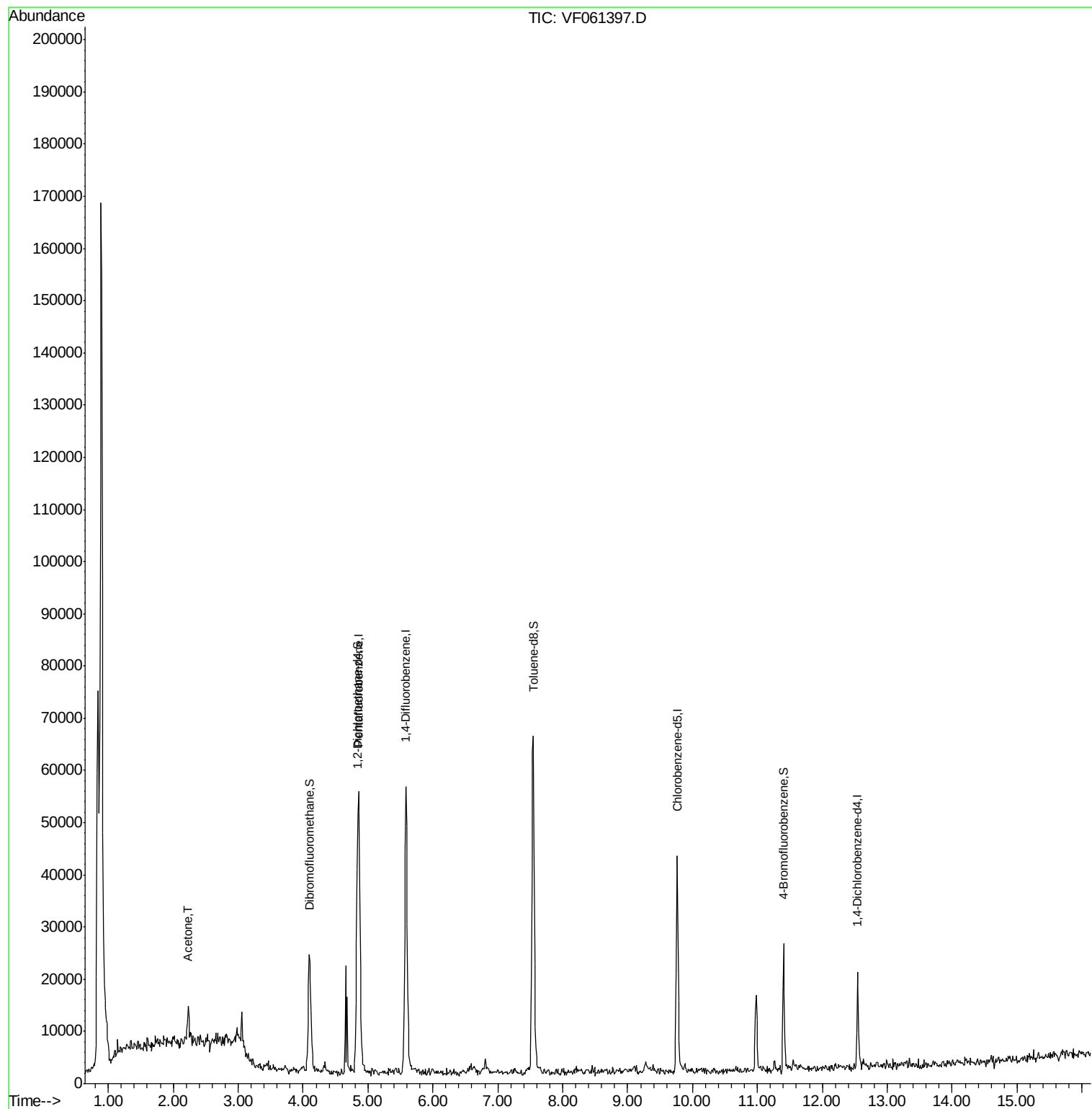
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 4.85  | 168  | 45417    | 50.00  | ug/l   | -0.02     |
| 34) 1,4-Difluorobenzene     | 5.58  | 114  | 60707    | 50.00  | ug/l   | -0.02     |
| 63) Chlorobenzene-d5        | 9.77  | 117  | 30029    | 50.00  | ug/l   | -0.02     |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 4656     | 50.00  | ug/l   | -0.01     |
| System Monitoring Compounds |       |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 4.83  | 65   | 14947    | 29.57  | ug/l   | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 59.14% |           |
| 35) Dibromofluoromethane    | 4.09  | 113  | 21909    | 47.17  | ug/l   | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.34% |           |
| 50) Toluene-d8              | 7.55  | 98   | 55932    | 40.69  | ug/l   | -0.02     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.38% |           |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 9331     | 15.55  | ug/l   | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 31.10% |           |
| Target Compounds            |       |      |          |        |        |           |
| 16) Acetone                 | 2.23  | 43   | 10672    | 90.751 | ug/l # | Qvalue 83 |

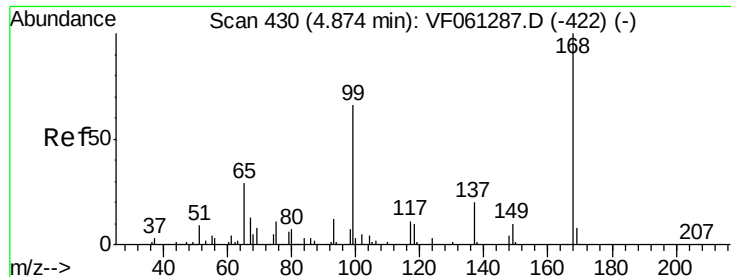
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 09 07:13:51 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061397.D

Acq: 14 Jan 2019 18:59

Instrument :

MSVOA\_F

ClientSampleId :

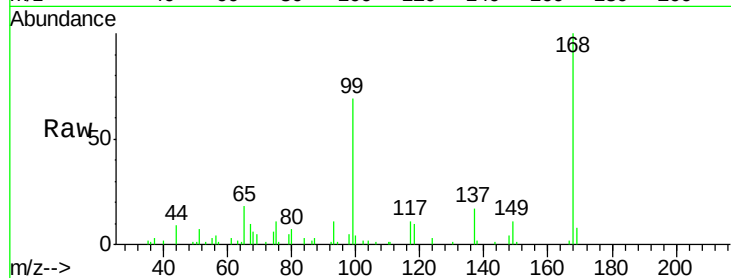
S-5

Tot Ion:168 Resp: 45417

Ion Ratio Lower Upper

168 100

99 68.6 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.85

15000

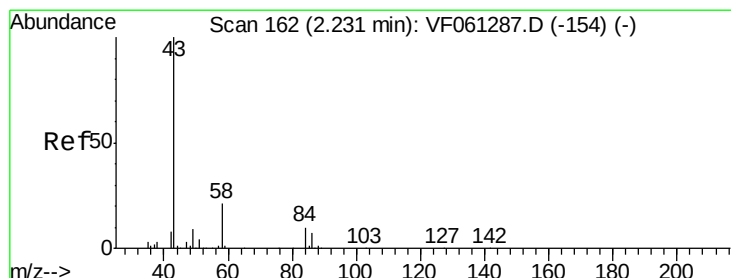
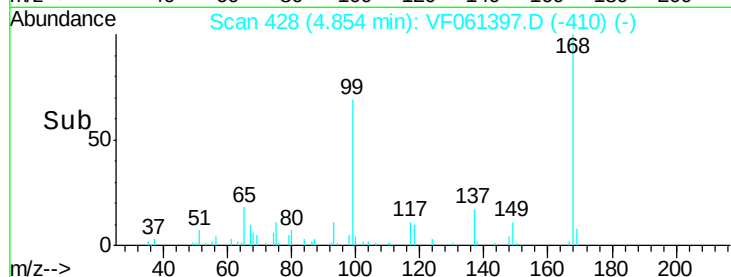
10000

5000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 90.751 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.00 min

Lab File: VF061397.D

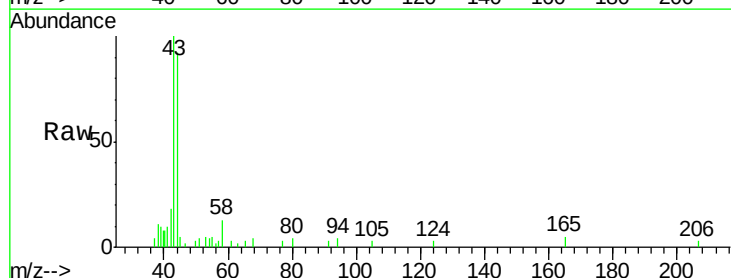
Acq: 14 Jan 2019 18:59

Tgt Ion: 43 Resp: 10672

Ion Ratio Lower Upper

43 100

58 13.1 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.23

5000

4000

3000

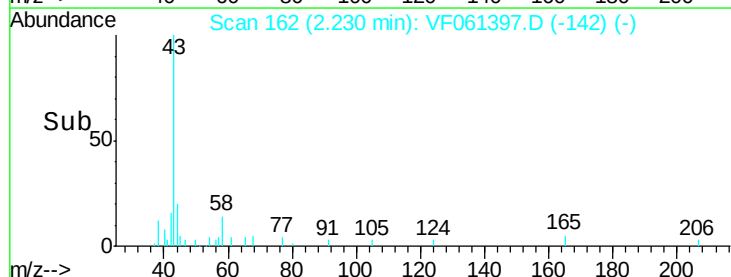
2000

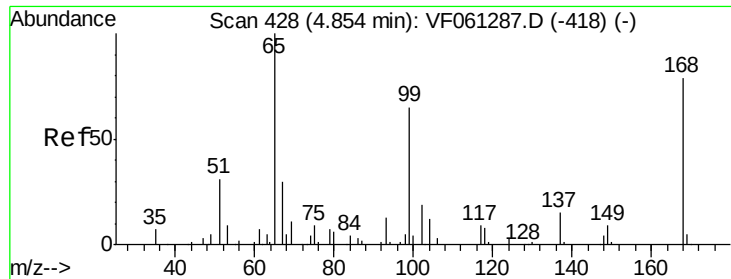
1000

0

Time-->

2.10 2.20 2.30

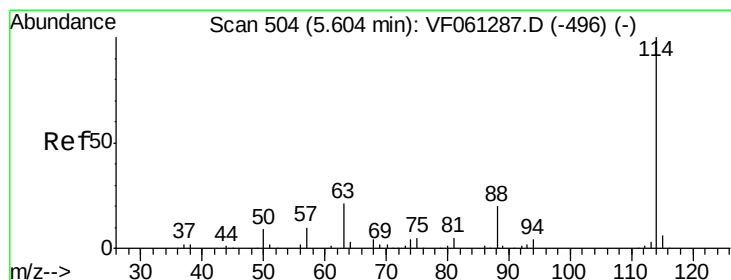
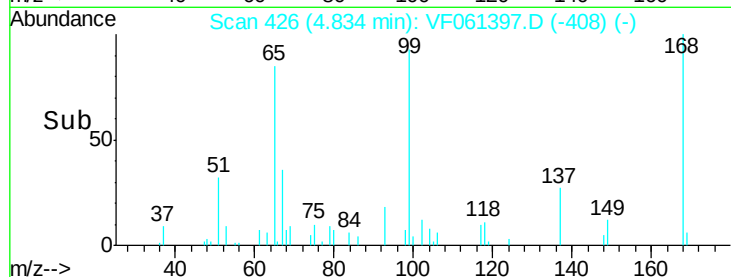
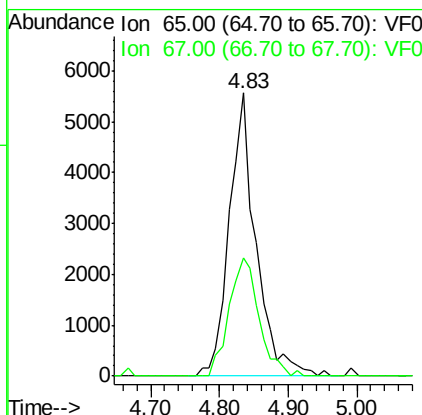
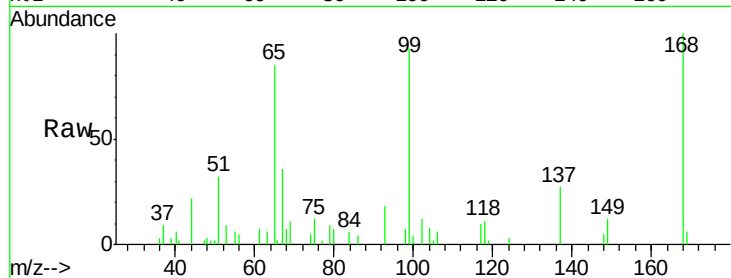




#33  
 1,2-Dichloroethane-d4  
 Concen: 29.568 ug/l  
 RT: 4.83 min Scan# 426  
 Delta R.T. -0.02 min  
 Lab File: VF061397.D  
 Acq: 14 Jan 2019 18:59

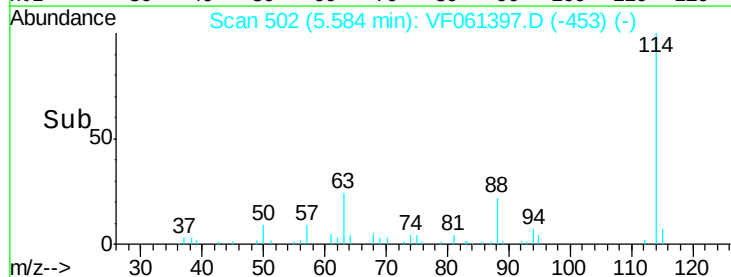
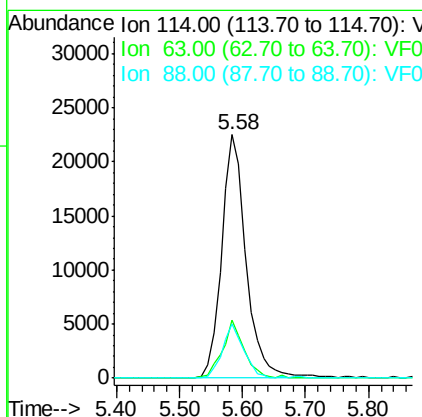
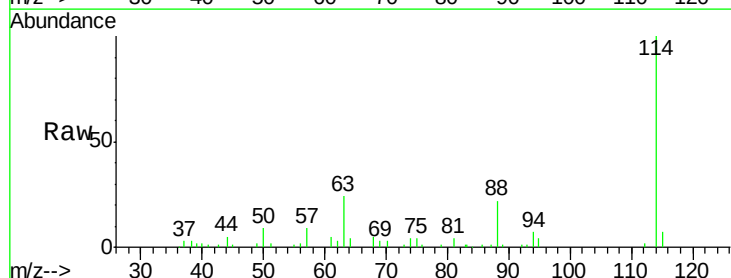
Instrument :  
 MSVOA\_F  
 ClientSampled :  
 S-5

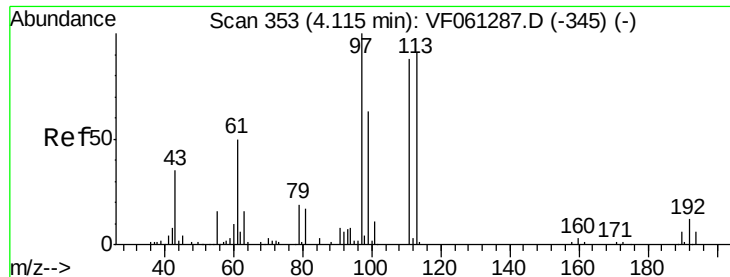
Tot Ion: 65 Resp: 14947  
 Ion Ratio Lower Upper  
 65 100  
 67 42.0 0.0 98.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.58 min Scan# 502  
 Delta R.T. -0.02 min  
 Lab File: VF061397.D  
 Acq: 14 Jan 2019 18:59

Tgt Ion: 114 Resp: 60707  
 Ion Ratio Lower Upper  
 114 100  
 63 23.8 0.0 42.8  
 88 22.1 0.0 40.0

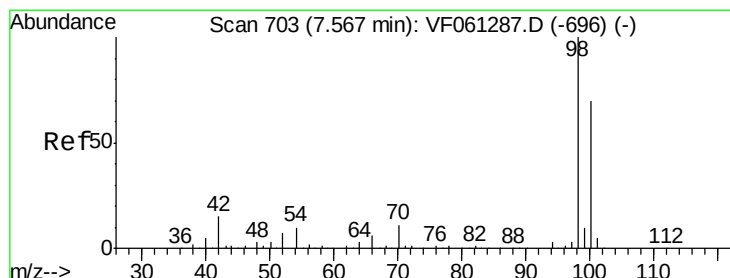
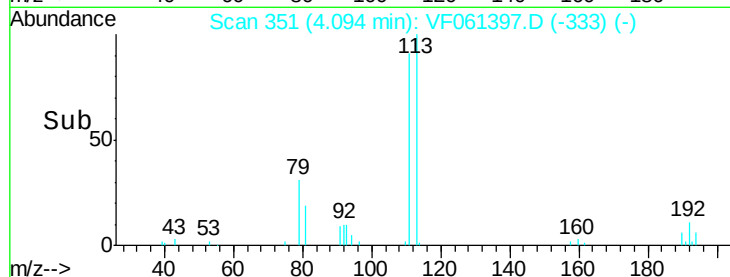
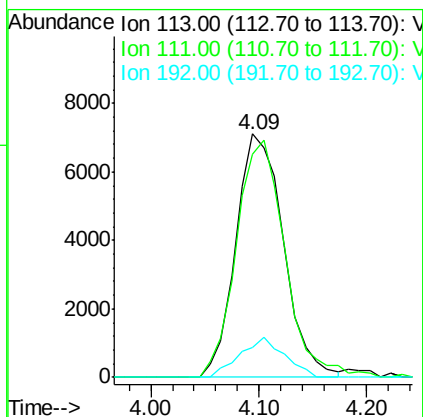
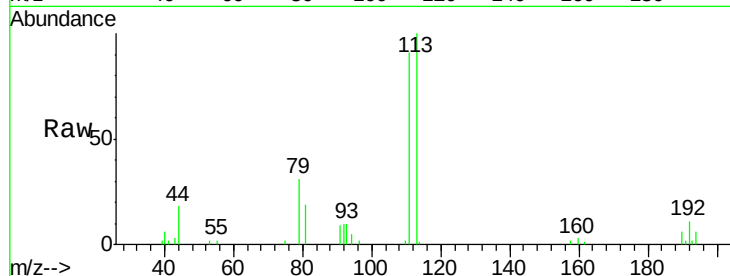




#35  
 Dibromofluoromethane  
 Concen: 47.166 ug/l  
 RT: 4.09 min Scan# 351  
 Delta R.T. -0.02 min  
 Lab File: VF061397.D  
 Acq: 14 Jan 2019 18:59

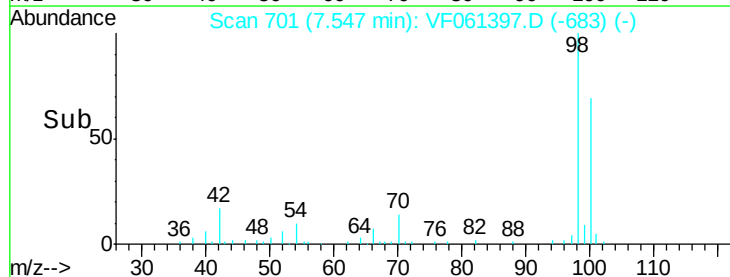
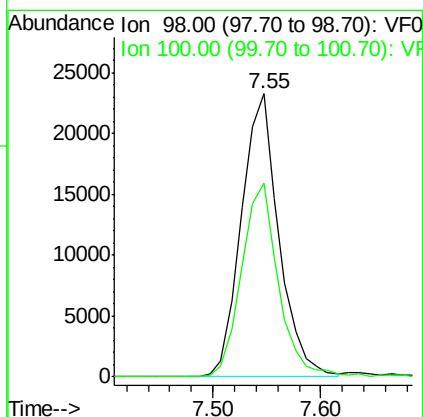
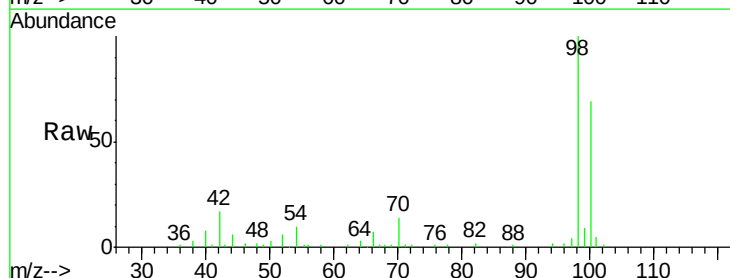
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 S-5

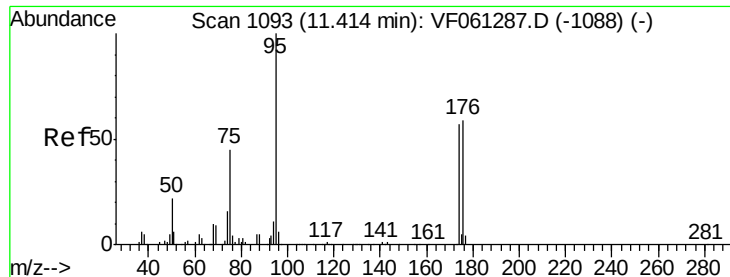
Tot Ion:113 Resp: 21909  
 Ion Ratio Lower Upper  
 113 100  
 111 91.4 78.0 117.0  
 192 12.4 10.6 16.0



#50  
 Toluene-d8  
 Concen: 40.690 ug/l  
 RT: 7.55 min Scan# 701  
 Delta R.T. -0.02 min  
 Lab File: VF061397.D  
 Acq: 14 Jan 2019 18:59

Tgt Ion: 98 Resp: 55932  
 Ion Ratio Lower Upper  
 98 100  
 100 68.6 55.6 83.4





#62

4-Bromofluorobenzene

Concen: 15.546 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061397.D

Acq: 14 Jan 2019 18:59

Instrument :

MSVOA\_F

ClientSampleId :

S-5

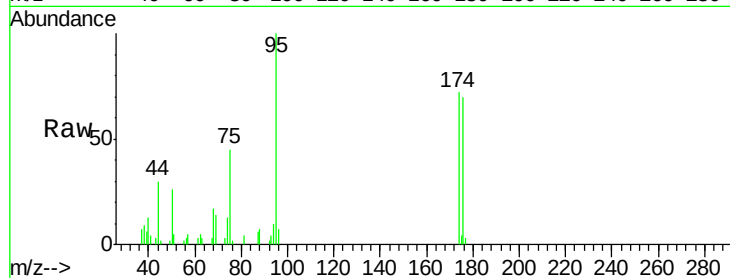
Tot Ion: 95 Resp: 9331

Ion Ratio Lower Upper

95 100

174 71.6 0.0 114.2

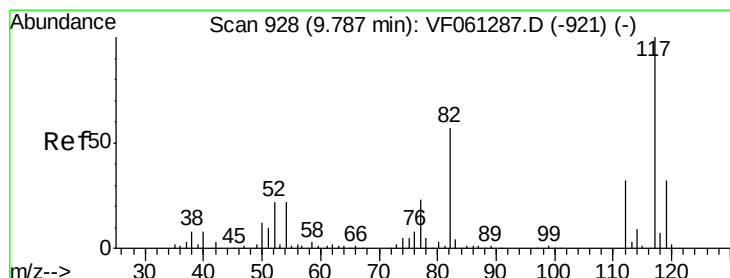
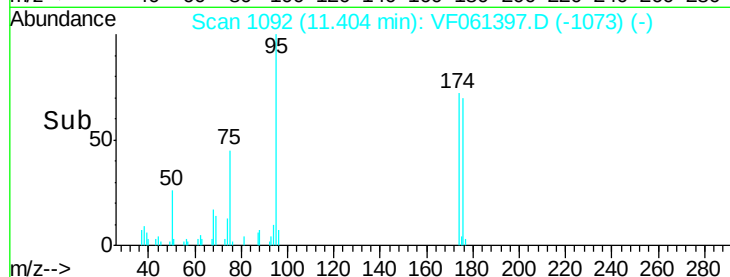
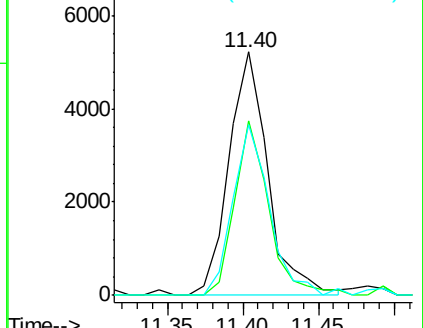
176 69.9 0.0 117.8



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# 926

Delta R.T. -0.02 min

Lab File: VF061397.D

Acq: 14 Jan 2019 18:59

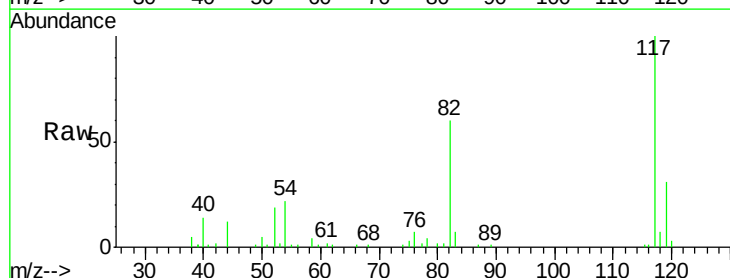
Tgt Ion: 117 Resp: 30029

Ion Ratio Lower Upper

117 100

82 59.8 45.3 67.9

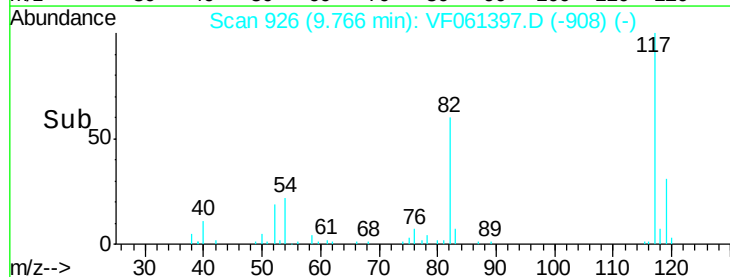
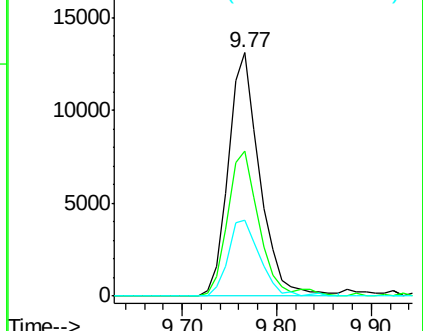
119 31.4 25.4 38.0

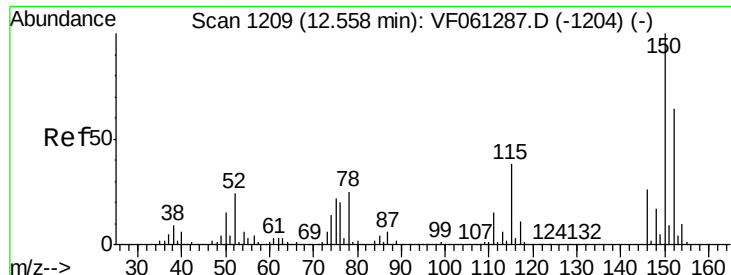


Abundance Ion 117.00 (116.70 to 117.70): VF0

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: 12.55 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061397.D

Acq: 14 Jan 2019 18:59

Instrument :

MSVOA\_F

ClientSampleId :

S-5

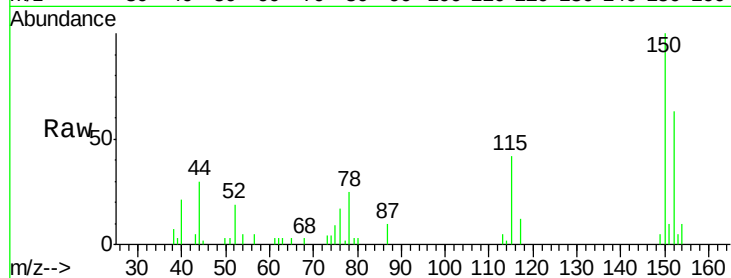
Tot Ion:152 Resp: 4656

Ion Ratio Lower Upper

152 100

115 66.3 29.6 88.9

150 157.6 0.0 315.4



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

