

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\  
 Data File : VF061345.D  
 Acq On : 10 Jan 2019 15:48  
 Operator : VA/AP  
 Sample : K1006-13RE  
 Misc : 5.92g/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

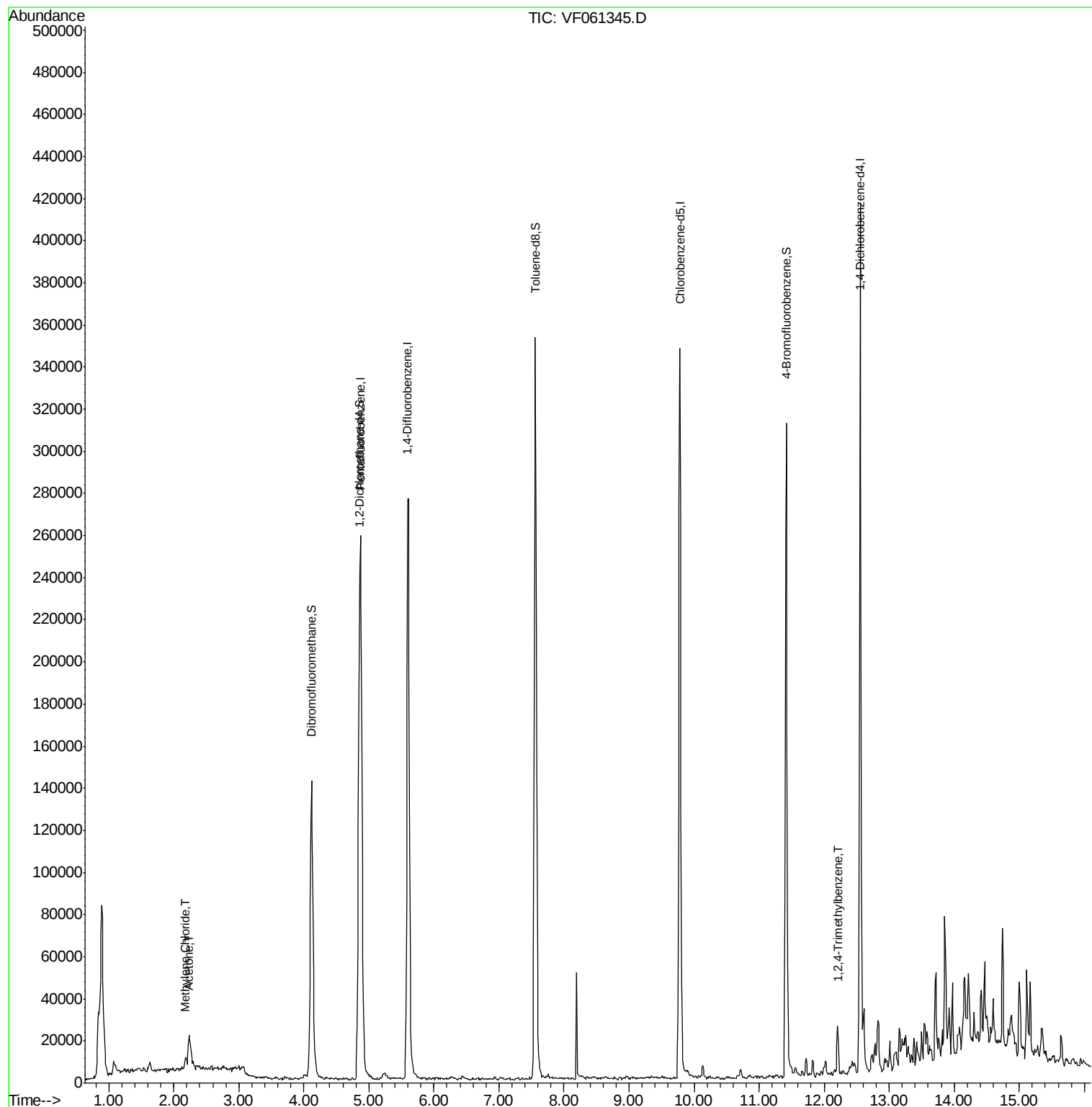
Quant Time: Jan 11 00:49:14 2019  
 Quant Method : Z:\HPCHEM1\MSVOA\_F\METHODS\82F010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 07:13:51 2019  
 Response via : Initial Calibration

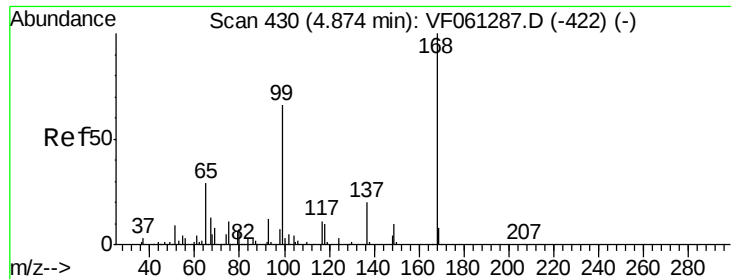
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.88  | 168  | 180012   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.61  | 114  | 320100   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.78  | 117  | 242941   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 98927    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 4.85  | 65   | 122844   | 61.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.62% |          |
| 35) Dibromofluoromethane    | 4.12  | 113  | 132808   | 54.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.44% |          |
| 50) Toluene-d8              | 7.56  | 98   | 292590   | 40.37  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 80.74%  |          |
| 62) 4-Bromofluorobenzene    | 11.42 | 95   | 124238   | 39.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 78.50%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.23  | 43   | 29666    | 63.648 | ug/l #  | 87       |
| 20) Methylene Chloride      | 2.19  | 84   | 5379m    | 2.728  | ug/l    |          |
| 84) 1,2,4-Trimethylbenzene  | 12.21 | 105  | 10263    | 1.492  | ug/l    | 83       |

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF061345.D

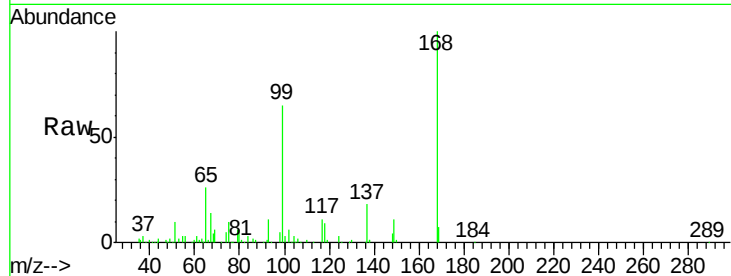
Acq: 10 Jan 2019 15:48

Tot Ion:168 Resp: 180012

Ion Ratio Lower Upper

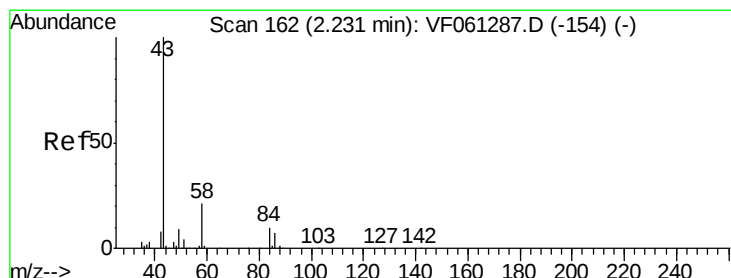
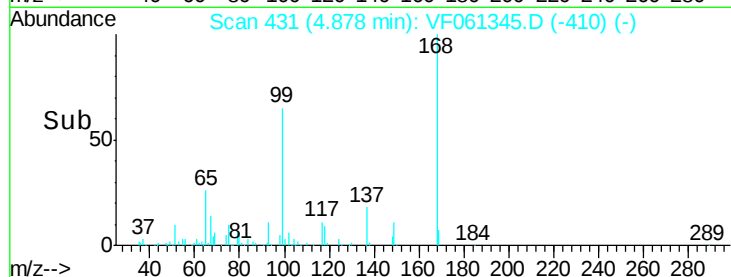
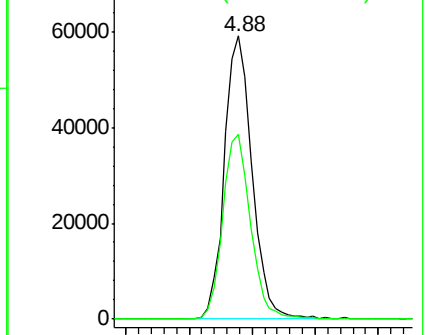
168 100

99 65.4 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 63.648 ug/l

RT: 2.23 min Scan# 163

Delta R.T. 0.00 min

Lab File: VF061345.D

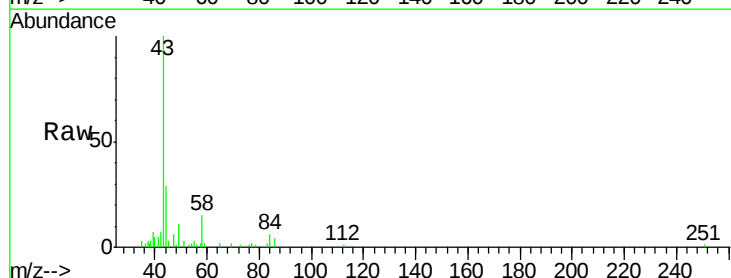
Acq: 10 Jan 2019 15:48

Tgt Ion: 43 Resp: 29666

Ion Ratio Lower Upper

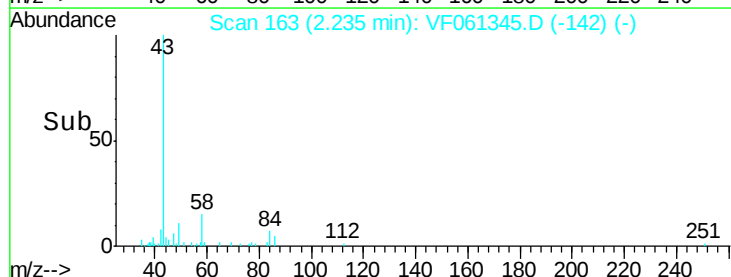
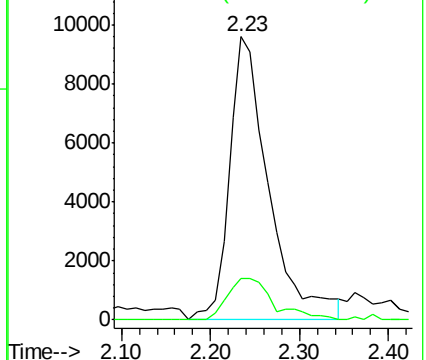
43 100

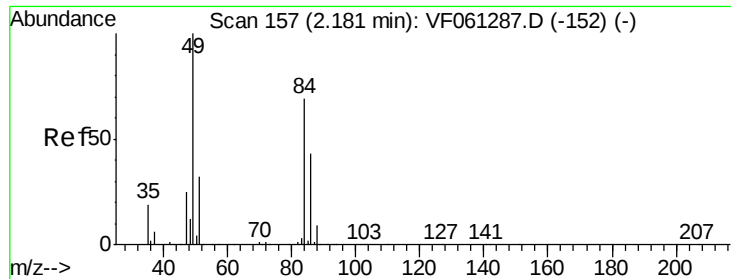
58 14.7 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VF0

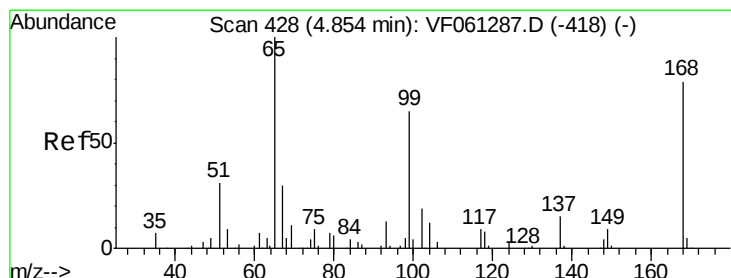
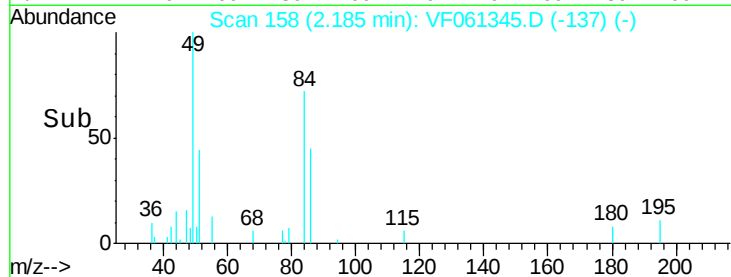
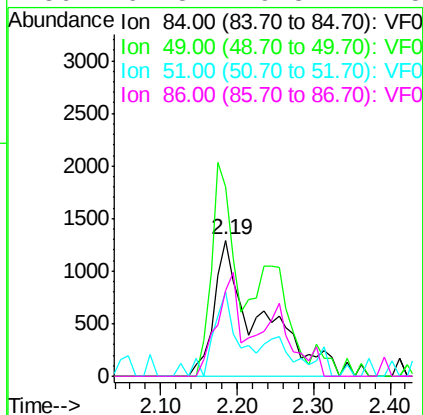
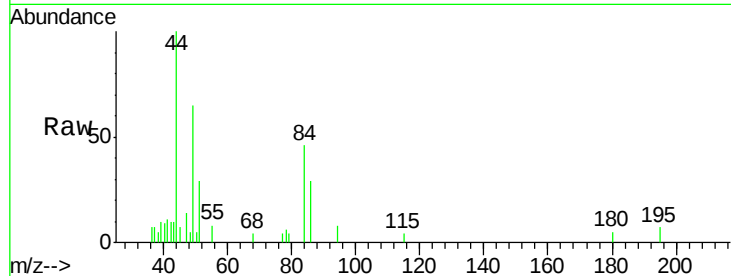
Ion 58.00 (57.70 to 58.70): VF0





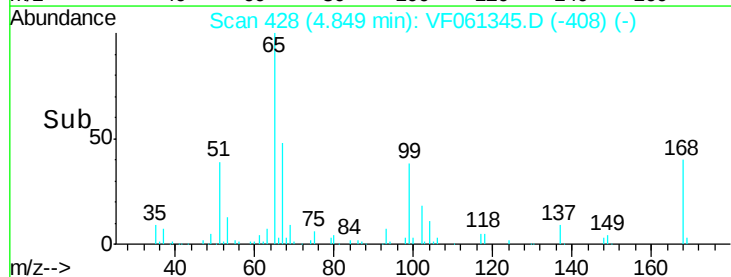
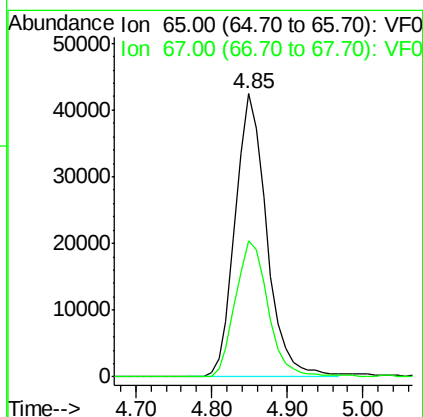
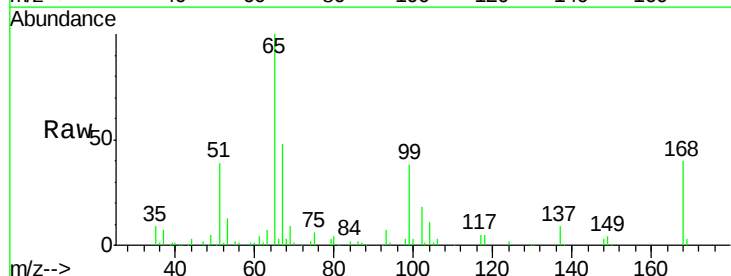
#20  
Methylene Chloride  
Concen: 2.728 ug/l m  
RT: 2.19 min Scan# 158  
Delta R.T. 0.00 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

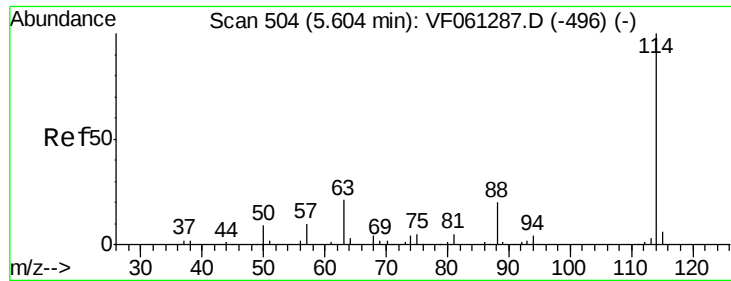
Tot Ion: 84 Resp: 5379  
Ion Ratio Lower Upper  
84 100  
49 139.2 116.6 175.0  
51 61.9 37.7 56.5#  
86 62.8 49.8 74.8



#33  
1,2-Dichloroethane-d4  
Concen: 61.310 ug/l  
RT: 4.85 min Scan# 428  
Delta R.T. -0.01 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

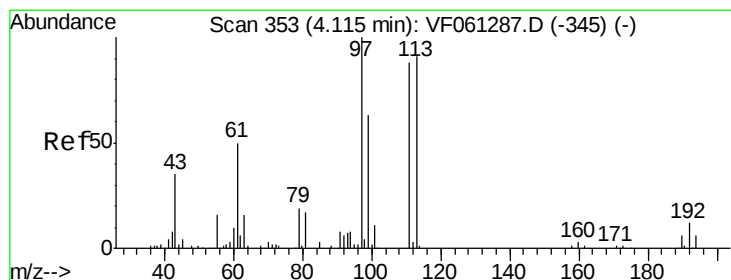
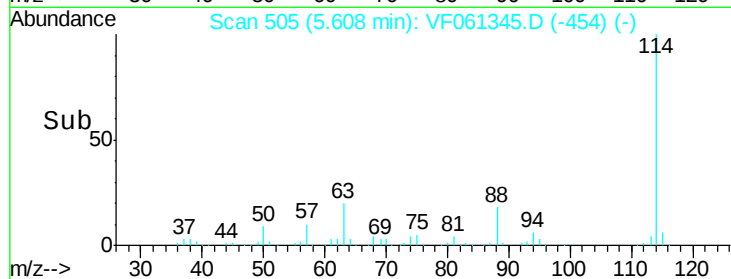
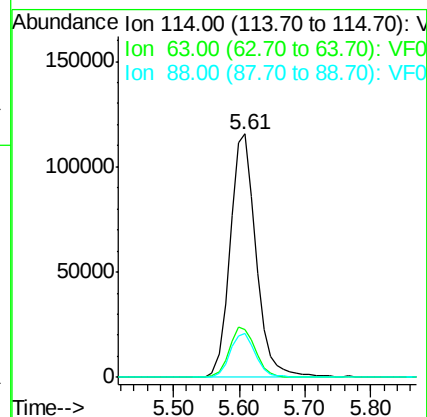
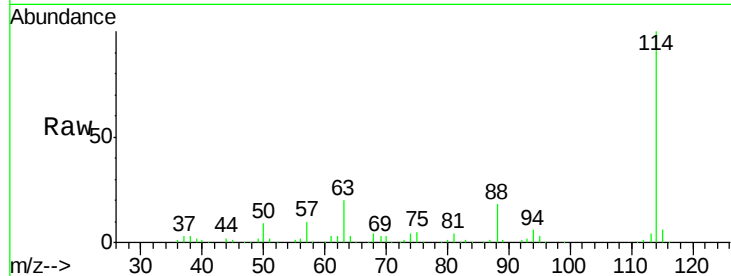
Tgt Ion: 65 Resp: 122844  
Ion Ratio Lower Upper  
65 100  
67 48.3 0.0 98.2





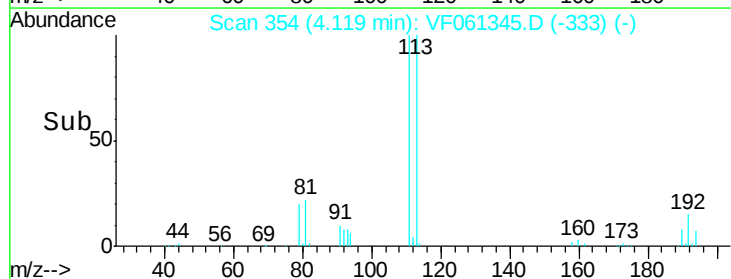
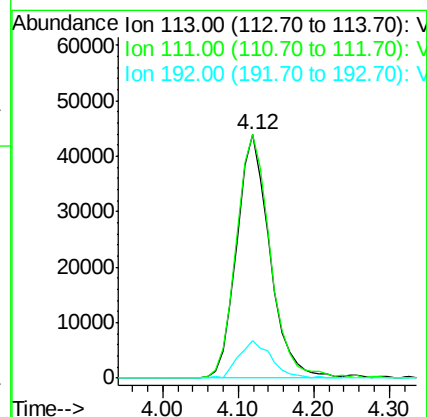
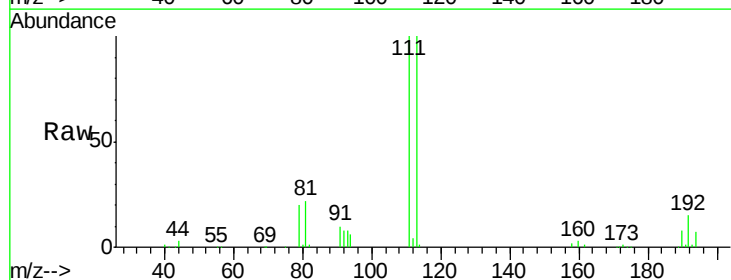
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 5.61 min Scan# 505  
Delta R.T. 0.00 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

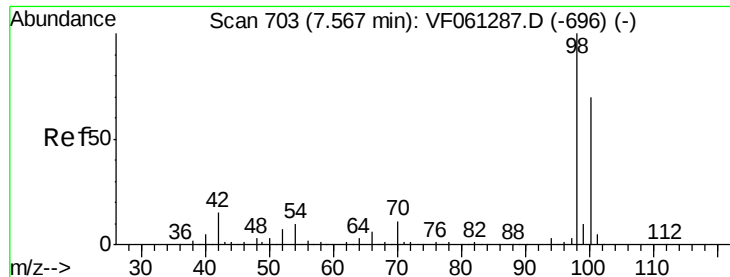
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.6  | 0.0   | 42.8  |
| 88      | 18.0  | 0.0   | 40.0  |



#35  
Dibromofluoromethane  
Concen: 54.223 ug/l  
RT: 4.12 min Scan# 354  
Delta R.T. 0.00 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.1 | 78.0  | 117.0 |
| 192     | 15.2  | 10.6  | 16.0  |





#50

Toluene-d8

Concen: 40.368 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF061345.D

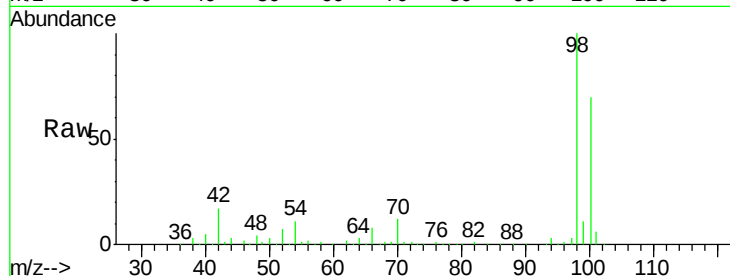
Acq: 10 Jan 2019 15:48

Tot Ion: 98 Resp: 292590

Ion Ratio Lower Upper

98 100

100 70.4 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.56

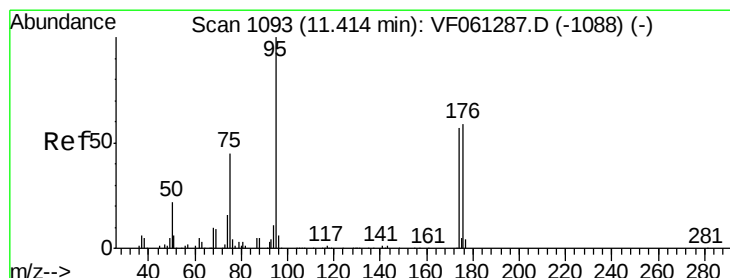
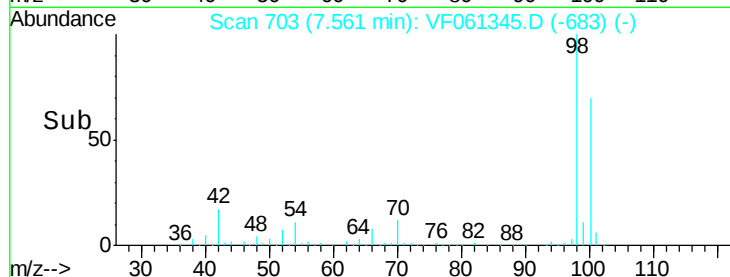
100000

50000

0

Time-->

7.40 7.50 7.60 7.70 7.80



#62

4-Bromofluorobenzene

Concen: 39.254 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF061345.D

Acq: 10 Jan 2019 15:48

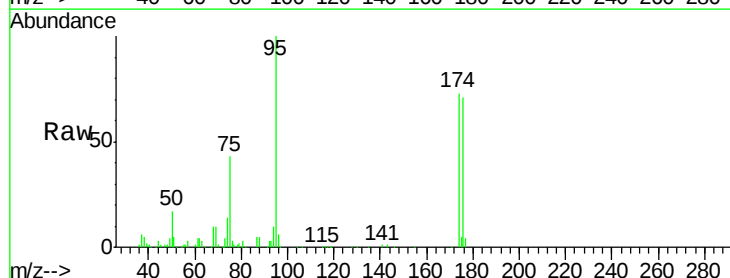
Tgt Ion: 95 Resp: 124238

Ion Ratio Lower Upper

95 100

174 72.8 0.0 114.2

176 71.0 0.0 117.8



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.42

80000

60000

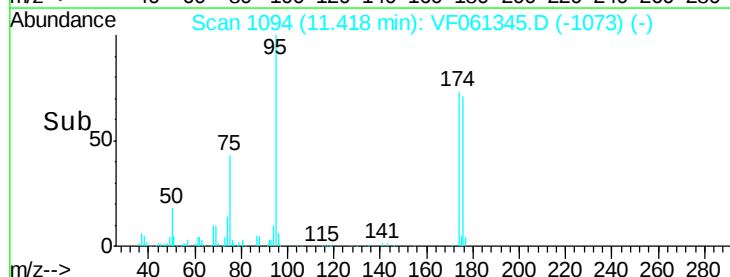
40000

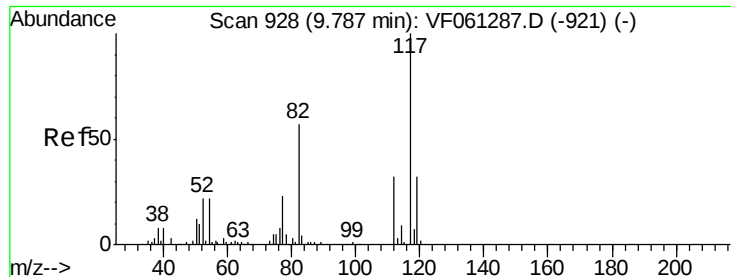
20000

0

Time-->

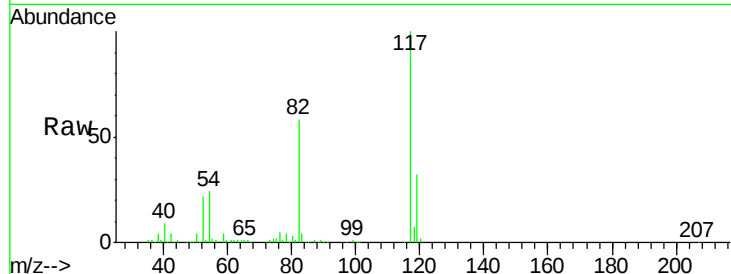
11.40 11.60



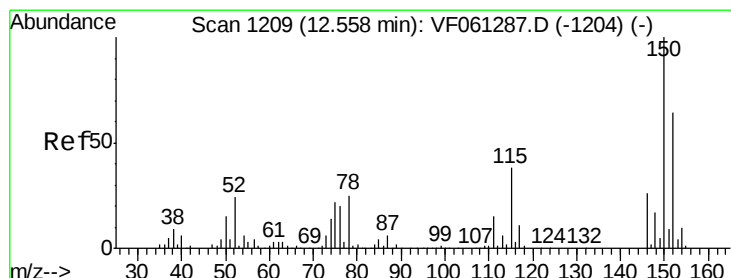
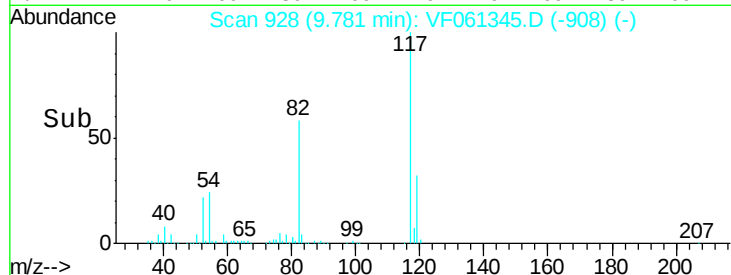
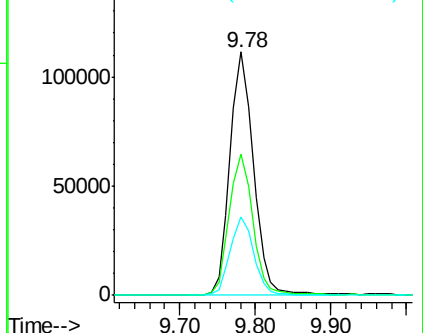


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.78 min Scan# 928  
Delta R.T. -0.01 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.1  | 45.3  | 67.9  |
| 119     | 32.4  | 25.4  | 38.0  |

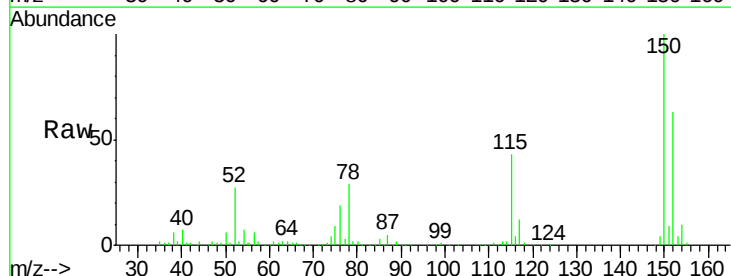


Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 119.00 (118.70 to 119.70): V

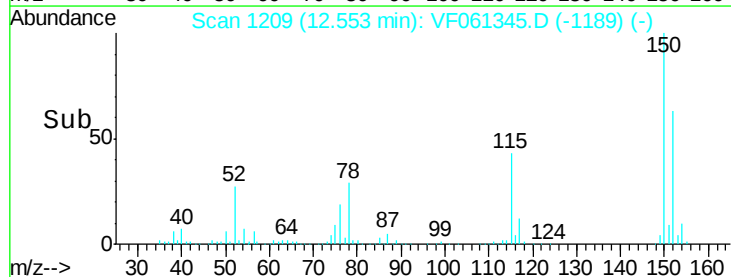
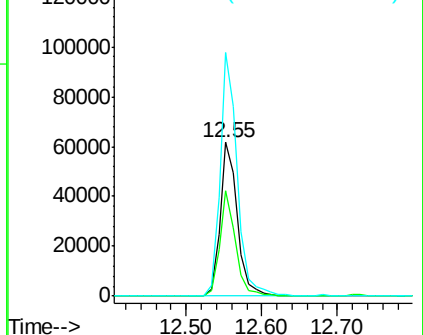


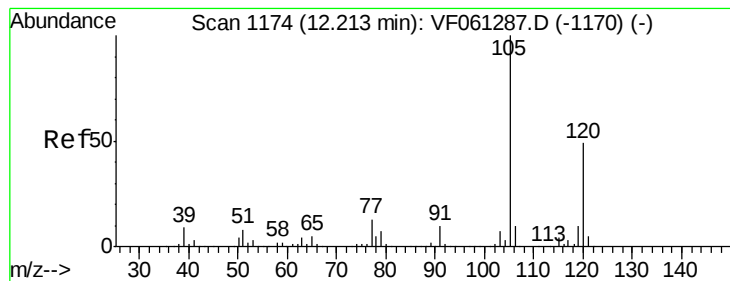
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.55 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: VF061345.D  
Acq: 10 Jan 2019 15:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 68.5  | 29.6  | 88.9  |
| 150     | 158.3 | 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





#84

1,2,4-Trimethylbenzene

Concen: 1.492 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF061345.D

Acq: 10 Jan 2019 15:48

Tot Ion:105 Resp: 10263

Ion Ratio Lower Upper

105 100

120 37.7 24.7 74.1

