

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\  
 Data File : VF059721.D  
 Acq On : 31 Jul 2018 20:44  
 Operator : VA/AP  
 Sample : J4140-10RE  
 Misc : 6.01g/5mL/MSVOA F/SOIL  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EPE-F-8(140-142)RE

Quant Time: Aug 01 07:50:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 31 15:23:22 2018  
 Response via : Initial Calibration

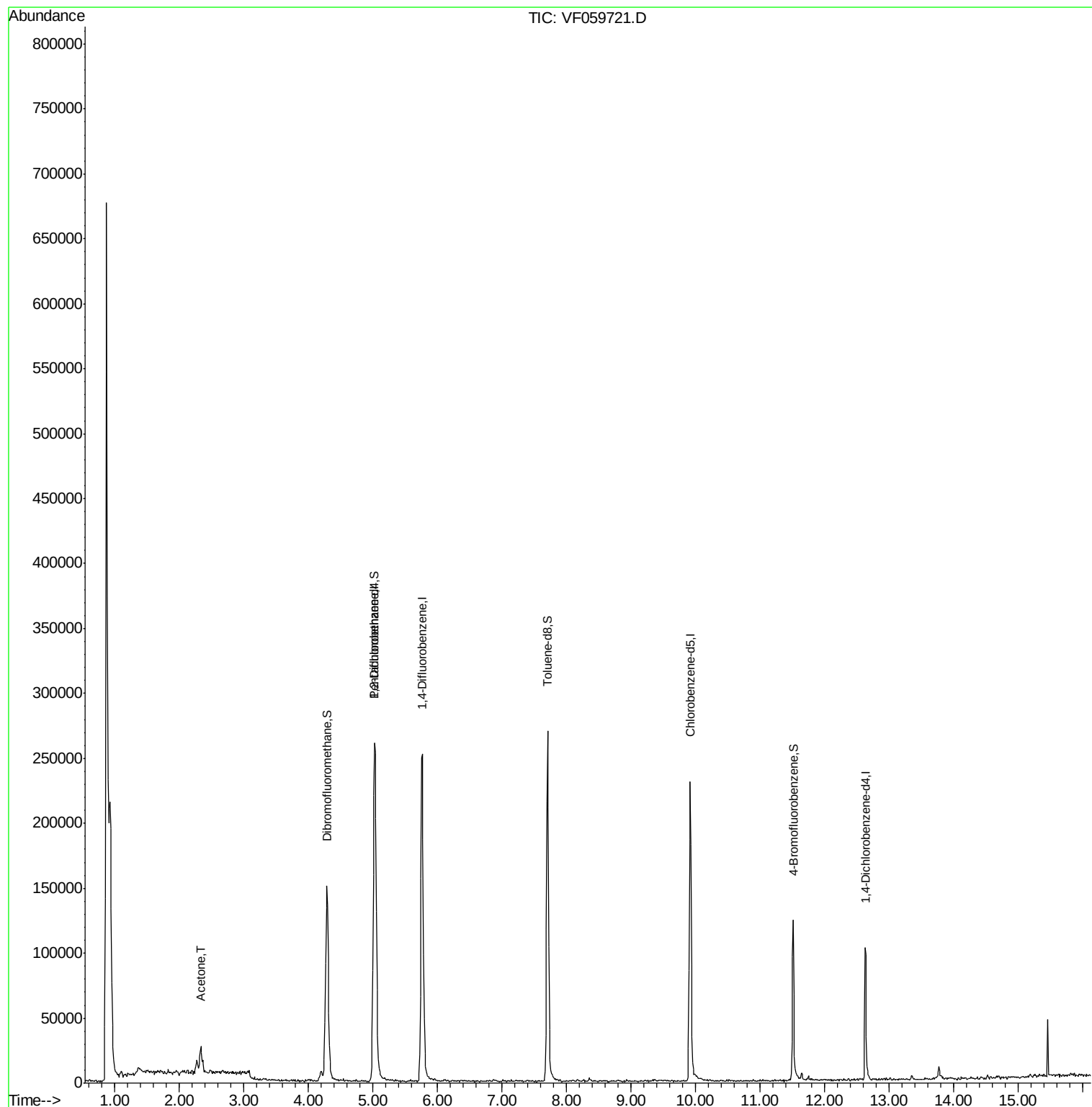
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 5.03  | 168  | 149068   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 234217   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.91  | 117  | 152301   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 24857    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.01  | 65   | 152431   | 56.90  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.80% |           |
| 35) Dibromofluoromethane    | 4.28  | 113  | 132093   | 54.30  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.60% |           |
| 50) Toluene-d8              | 7.71  | 98   | 200987   | 35.43  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 70.86%  |           |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 41028    | 13.06  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 26.12%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.33  | 43   | 27831    | 57.755 | ug/l    | Qvalue 98 |

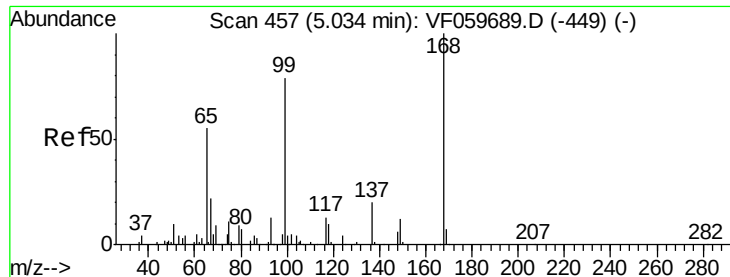
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF073118\  
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Sample : J4140-10RE  
Misc : 6.01a/5mL/MSVOA F/SOIL  
ALS Vial : 100 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
EPE-F-8(140-142)RE

Quant Time: Aug 01 07:50:12 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F073018S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 31 15:23:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA\_F

ClientSampleId :

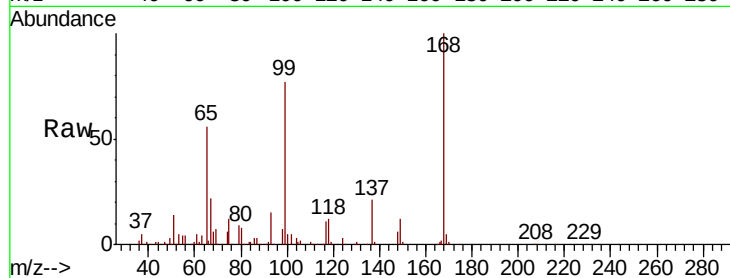
EPE-F-8(140-142)RE

Tot Ion:168 Resp: 149068

Ion Ratio Lower Upper

168 100

99 77.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

60000

50000

40000

30000

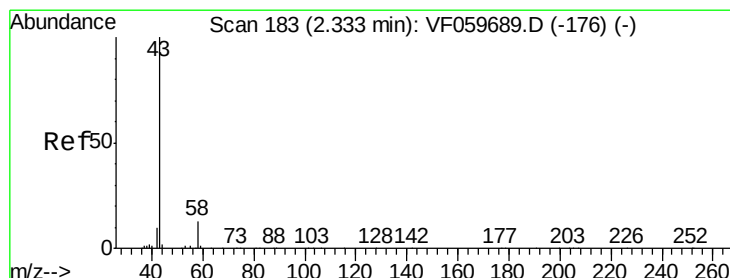
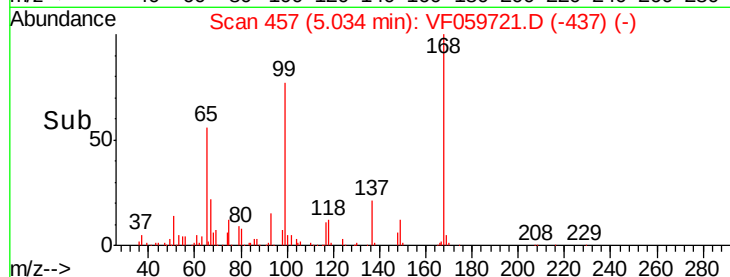
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#16

Acetone

Concen: 57.755 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059721.D

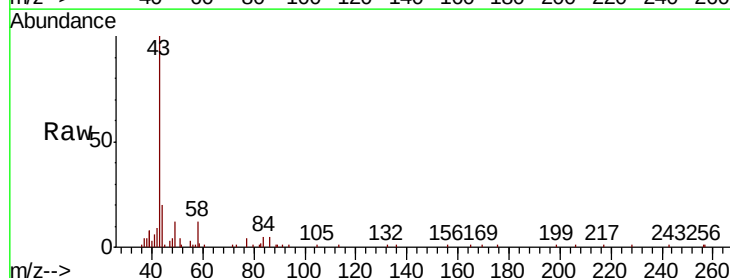
Acq: 31 Jul 2018 20:44

Tgt Ion: 43 Resp: 27831

Ion Ratio Lower Upper

43 100

58 11.8 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.33

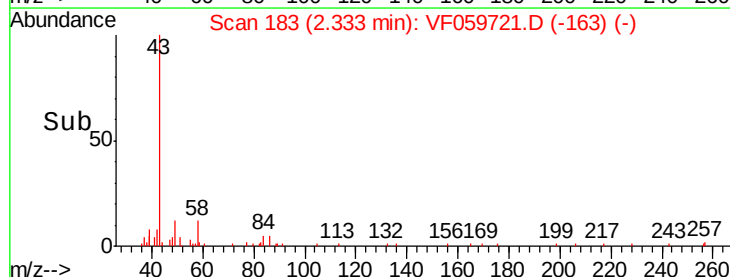
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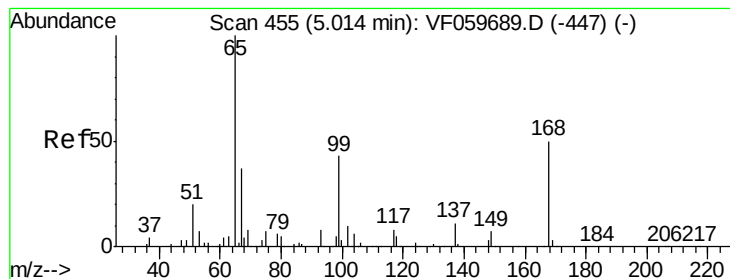
5000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#33

1,2-Dichloroethane-d4

Concen: 56.898 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA\_F

ClientSampleId :

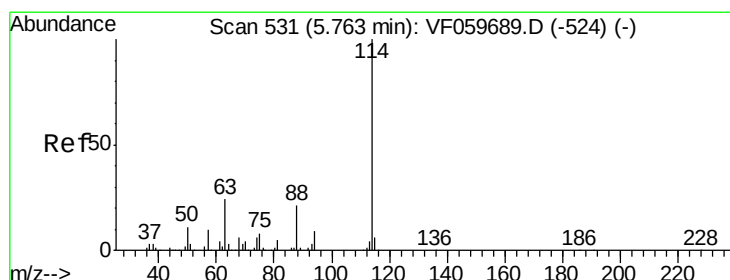
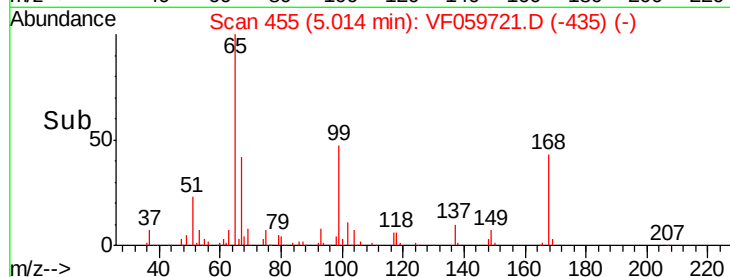
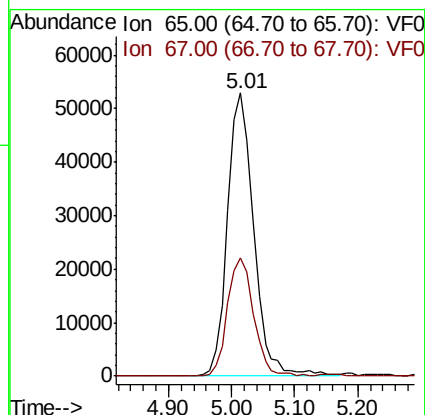
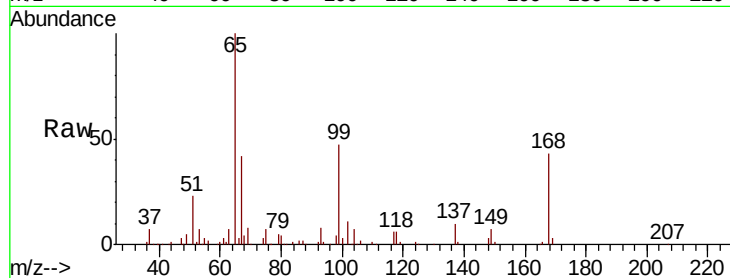
EPE-F-8(140-142)RE

Tot Ion: 65 Resp: 152431

Ion Ratio Lower Upper

65 100

67 41.9 0.0 84.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

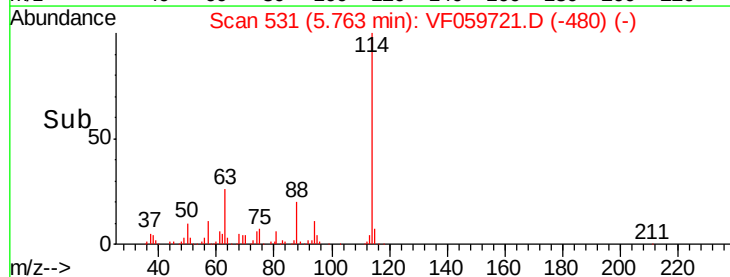
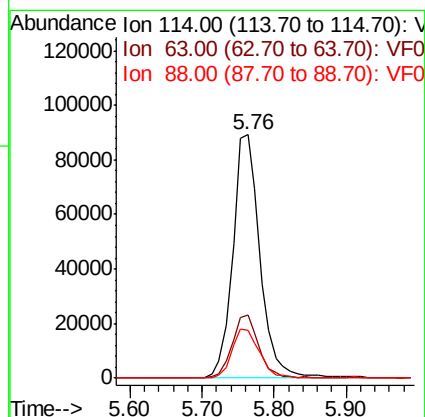
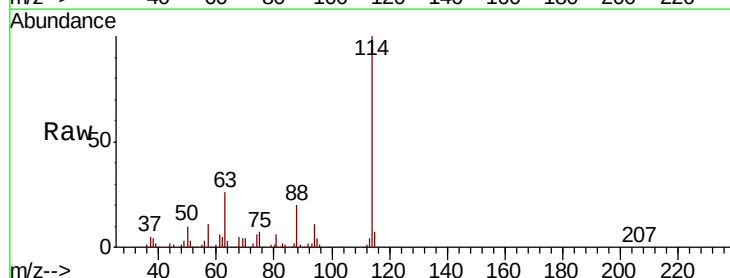
Tgt Ion: 114 Resp: 234217

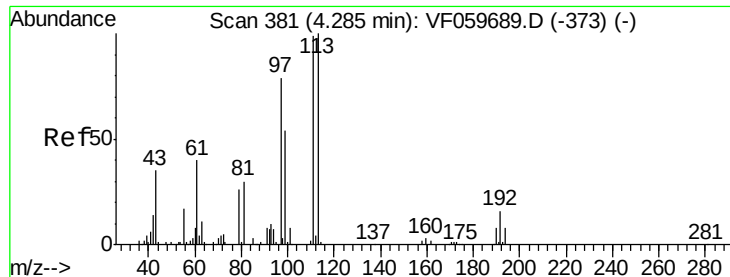
Ion Ratio Lower Upper

114 100

63 26.1 0.0 47.4

88 19.8 0.0 41.2

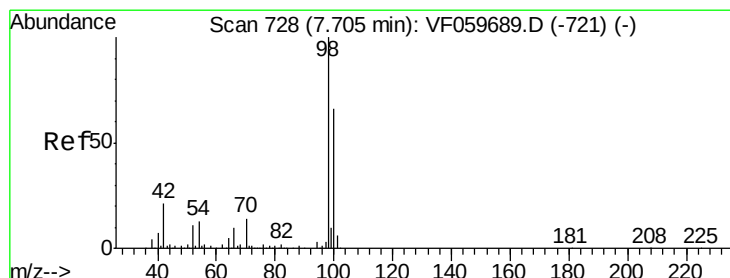
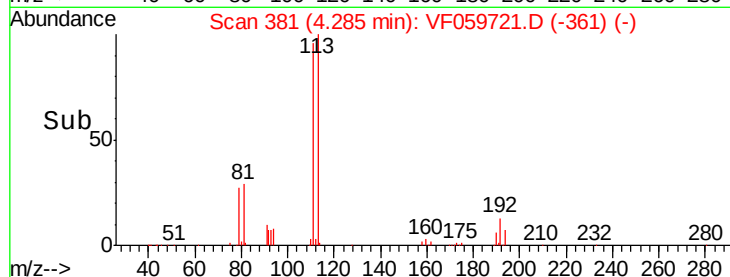
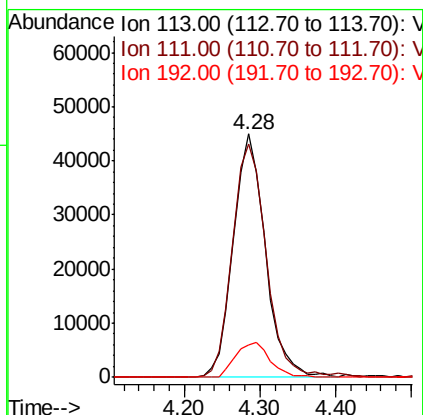
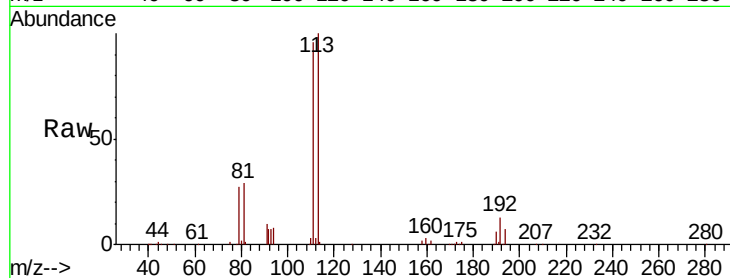




#35  
 Dibromofluoromethane  
 Concen: 54.299 ug/l  
 RT: 4.28 min Scan# 381  
 Delta R.T. 0.00 min  
 Lab File: VF059721.D  
 Acq: 31 Jul 2018 20:44

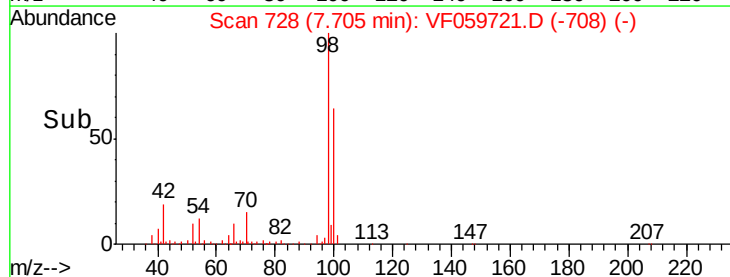
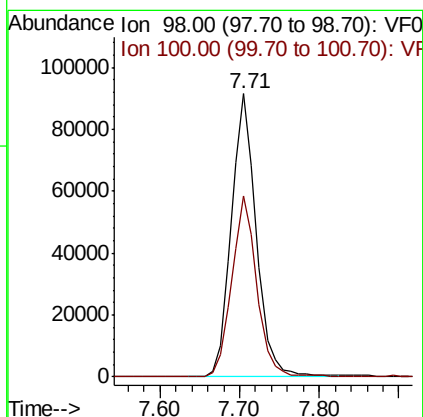
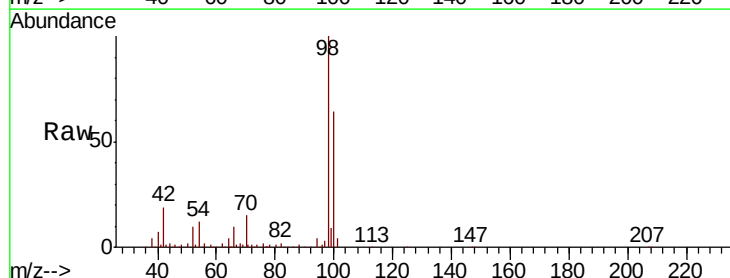
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EPE-F-8(140-142)RE

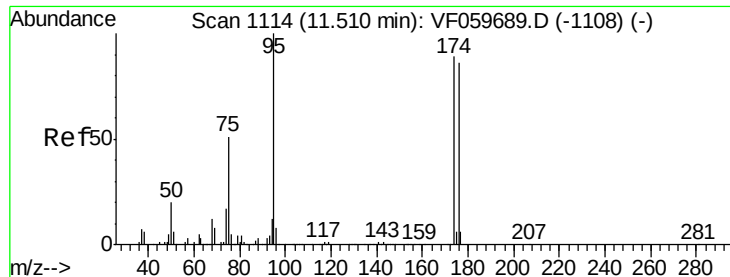
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 95.9  | 79.0  | 118.4 |
| 192     | 13.4  | 13.2  | 19.8  |



#50  
 Toluene-d8  
 Concen: 35.429 ug/l  
 RT: 7.71 min Scan# 728  
 Delta R.T. 0.00 min  
 Lab File: VF059721.D  
 Acq: 31 Jul 2018 20:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 52.8  | 79.2  |

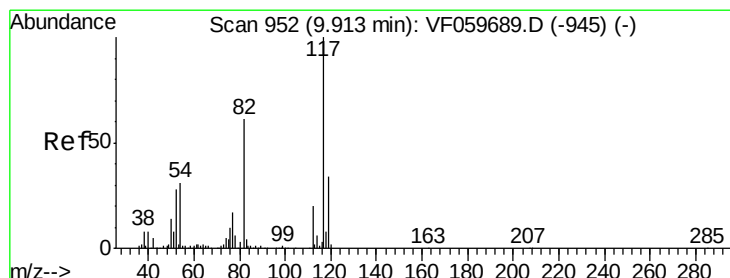
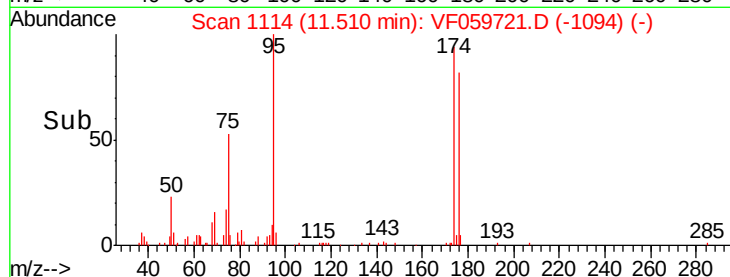
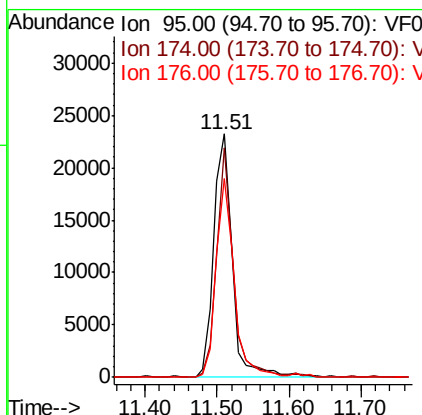
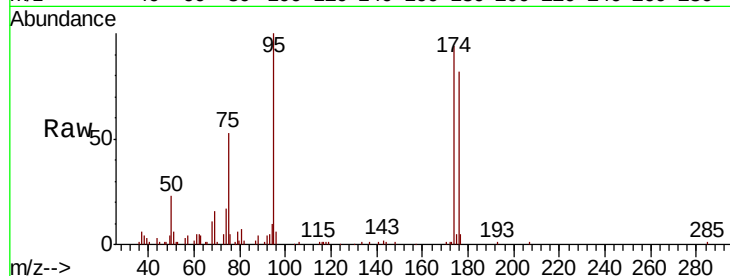




#62  
4-Bromofluorobenzene  
Concen: 13.064 ug/l  
RT: 11.51 min Scan# 1114  
Delta R.T. 0.00 min  
Lab File: VF059721.D  
Acq: 31 Jul 2018 20:44

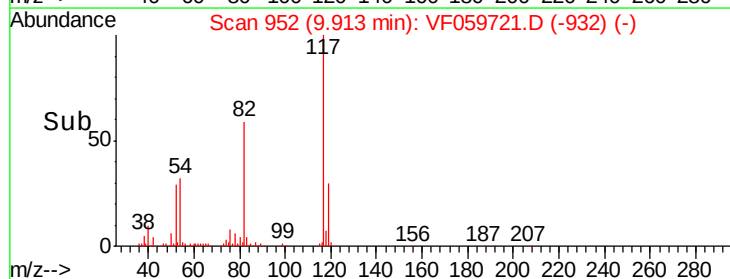
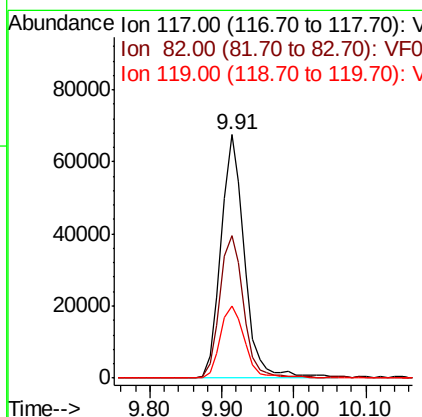
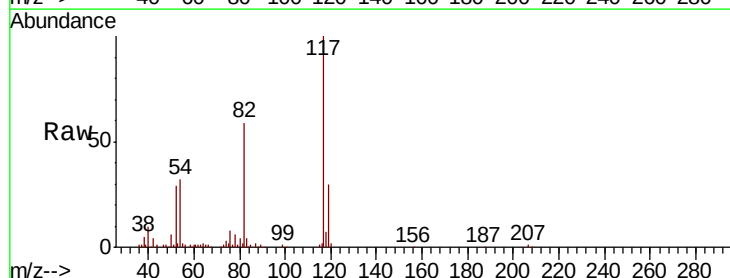
Instrument :  
MSVOA\_F  
ClientSampleId :  
EPE-F-8(140-142)RE

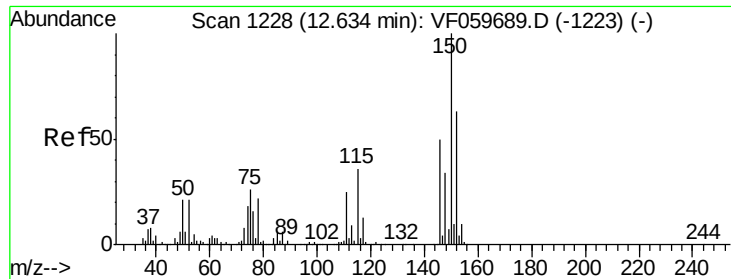
Tot Ion: 95 Resp: 41028  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 178.4  
176 81.6 0.0 173.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF059721.D  
Acq: 31 Jul 2018 20:44

Tgt Ion: 117 Resp: 152301  
Ion Ratio Lower Upper  
117 100  
82 58.7 49.0 73.4  
119 29.8 27.3 40.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059721.D

Acq: 31 Jul 2018 20:44

Instrument :

MSVOA\_F

ClientSampleId :

EPE-F-8(140-142)RE

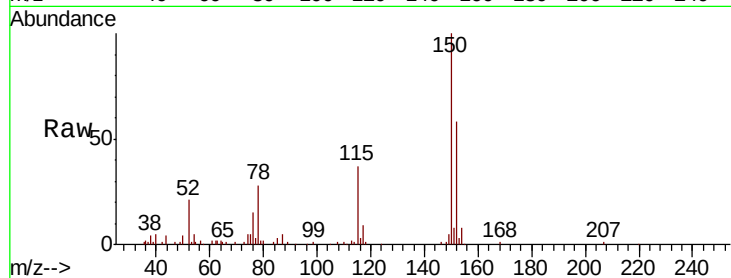
Tot Ion:152 Resp: 24857

Ion Ratio Lower Upper

152 100

115 63.7 28.2 84.6

150 173.6 0.0 316.2



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

