

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\  
 Data File : VF059742.D  
 Acq On : 1 Aug 2018 8:17  
 Operator : VA/AP  
 Sample : J4140-07RE  
 Misc : 6.82g/5mL/MSVOA F/SOIL  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EPE-F-8(125-127)RE

Quant Time: Aug 01 08:46:13 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

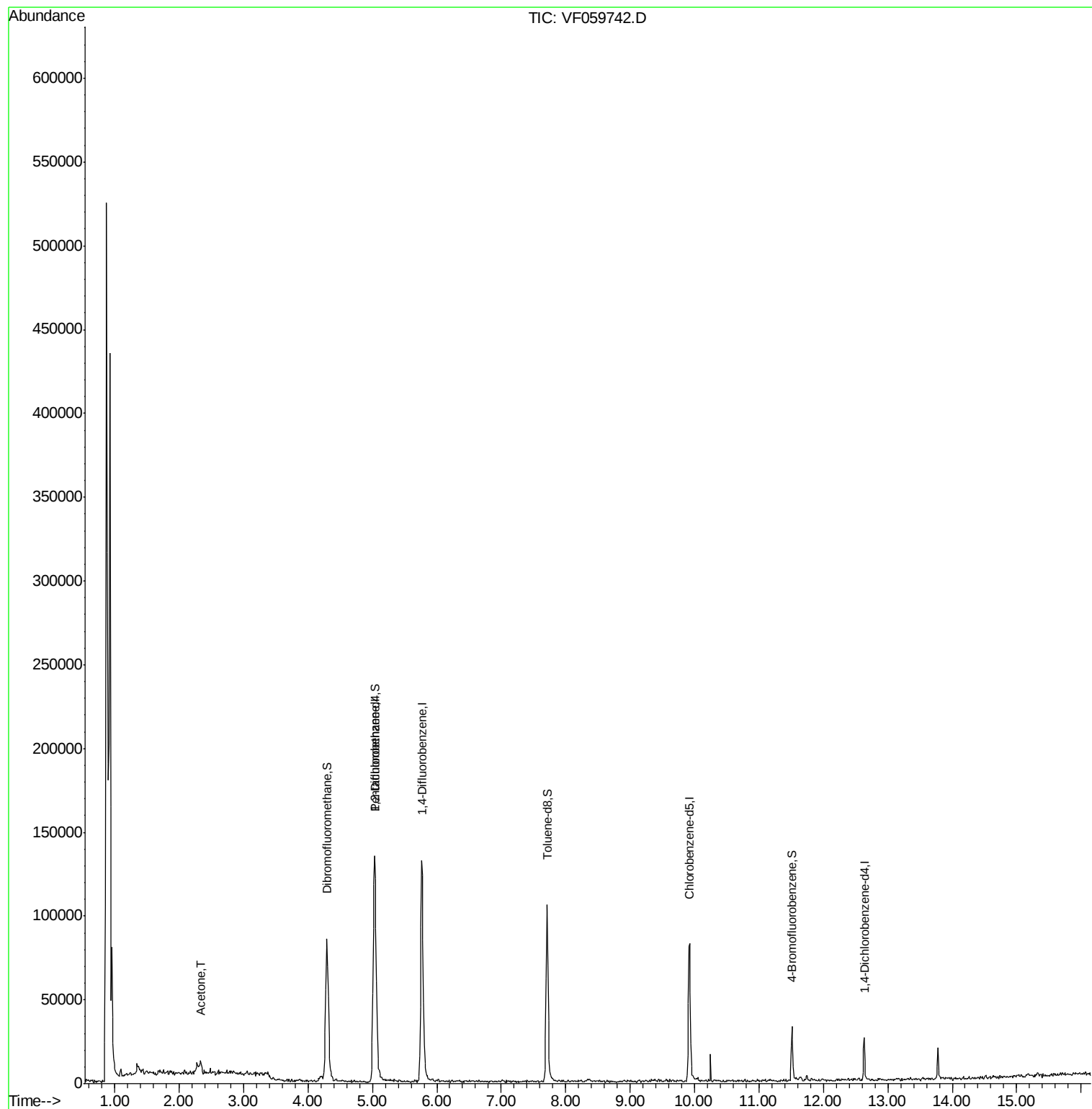
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 71148    | 50.00  | ug/l    | 0.01      |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 119024   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.92  | 117  | 54961    | 50.00  | ug/l    | 0.01      |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 6035     | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.03  | 65   | 85489    | 66.86  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 133.72% |           |
| 35) Dibromofluoromethane    | 4.30  | 113  | 74608    | 60.35  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.70% |           |
| 50) Toluene-d8              | 7.72  | 98   | 85173    | 29.54  | ug/l    | 0.01      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 59.08%  |           |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 10154    | 6.36   | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 12.72%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 16) Acetone                 | 2.33  | 43   | 12458    | 54.166 | ug/l #  | Qvalue 91 |

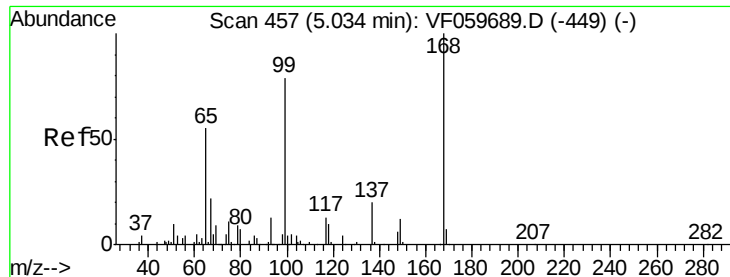
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA\_F

ClientSampleId :

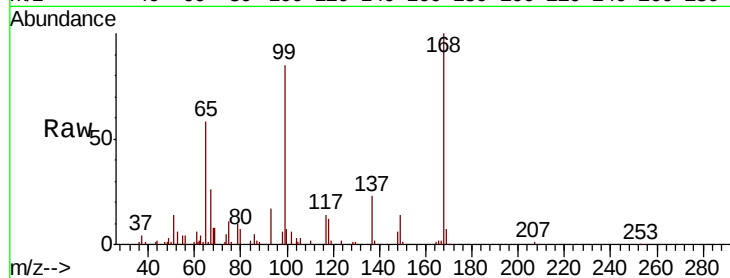
EPE-F-8(125-127)RE

Tot Ion:168 Resp: 71148

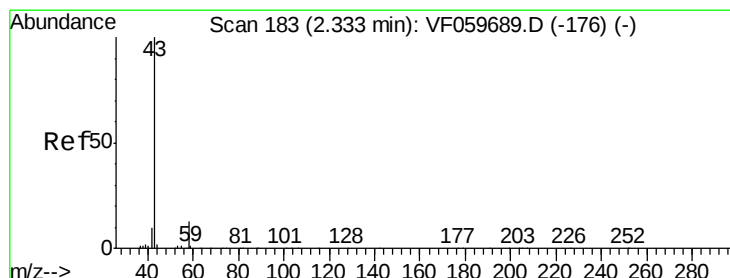
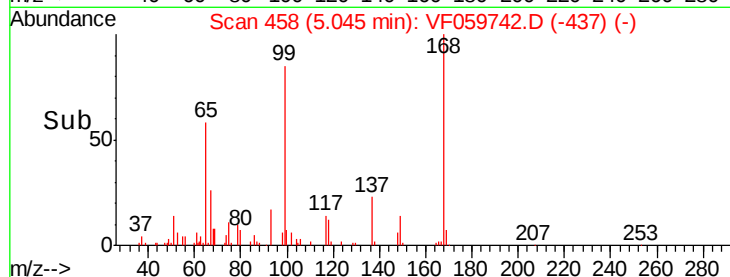
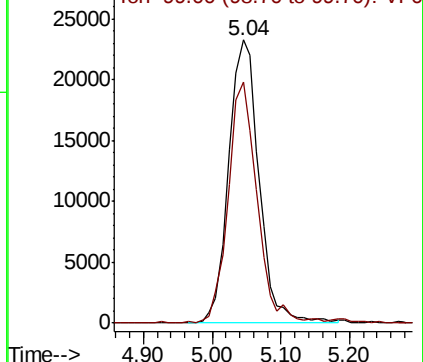
Ion Ratio Lower Upper

168 100

99 85.2 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#16

Acetone

Concen: 54.166 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059742.D

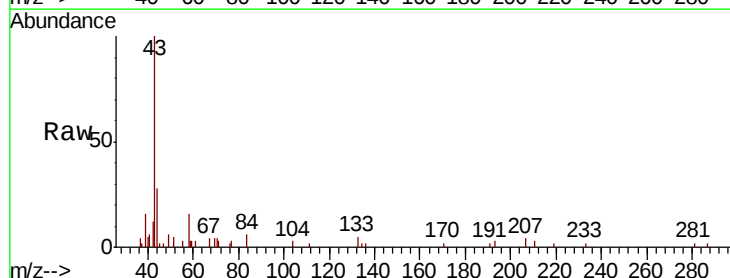
Acq: 1 Aug 2018 8:17

Tgt Ion: 43 Resp: 12458

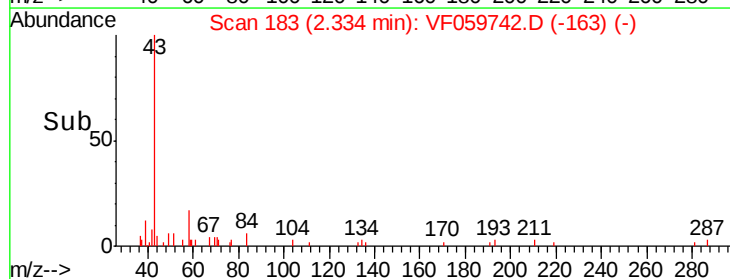
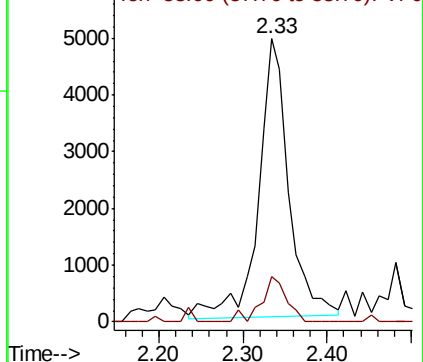
Ion Ratio Lower Upper

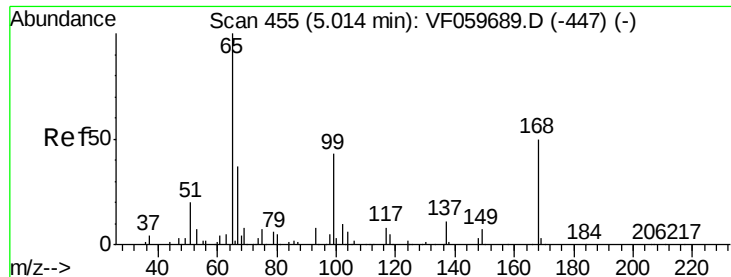
43 100

58 16.2 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

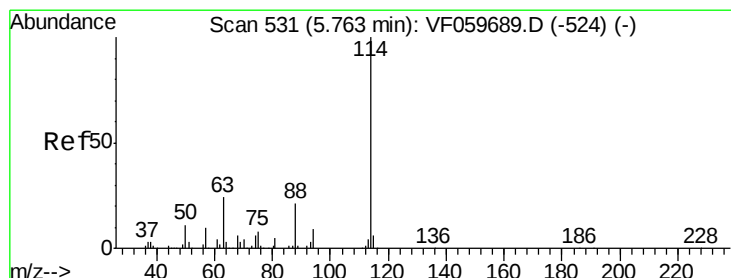
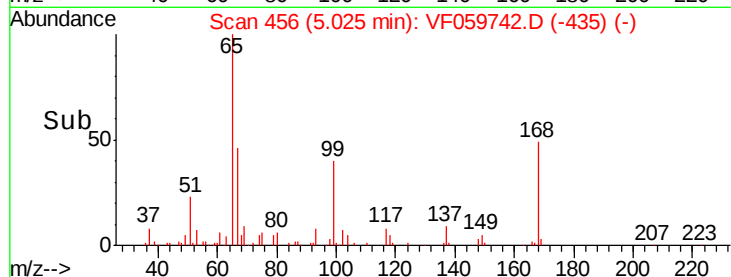
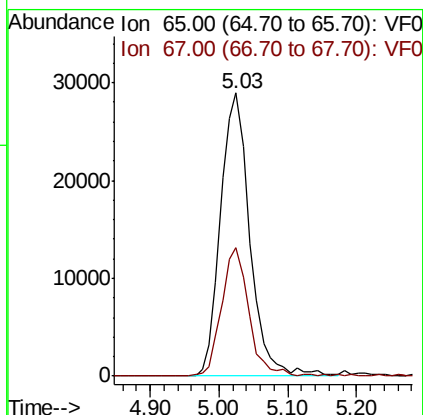
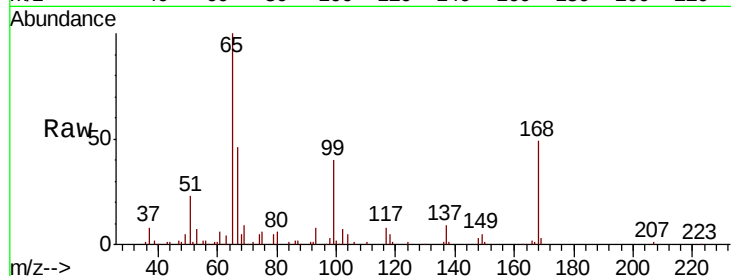




#33  
 1,2-Dichloroethane-d4  
 Concen: 66.858 ug/l  
 RT: 5.03 min Scan# 456  
 Delta R.T. 0.01 min  
 Lab File: VF059742.D  
 Acq: 1 Aug 2018 8:17

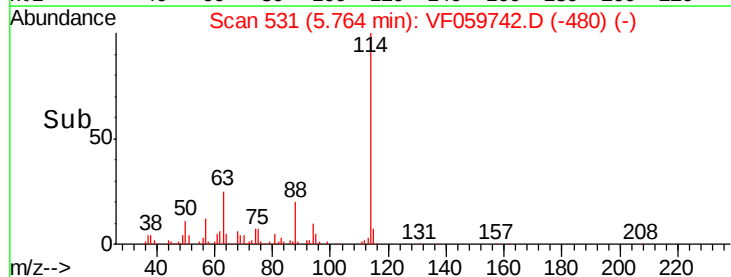
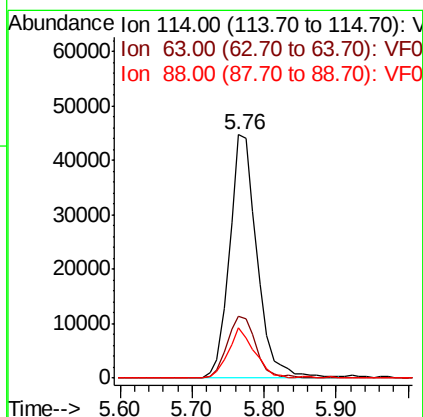
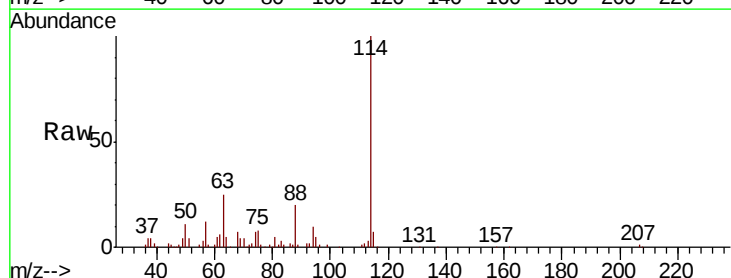
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EPE-F-8(125-127)RE

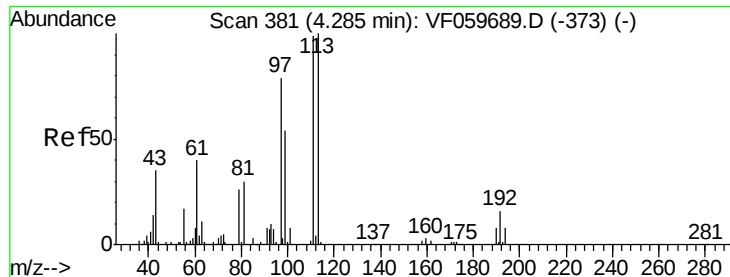
Tot Ion: 65 Resp: 85489  
 Ion Ratio Lower Upper  
 65 100  
 67 45.6 0.0 84.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.76 min Scan# 531  
 Delta R.T. 0.00 min  
 Lab File: VF059742.D  
 Acq: 1 Aug 2018 8:17

Tgt Ion: 114 Resp: 119024  
 Ion Ratio Lower Upper  
 114 100  
 63 25.3 0.0 47.4  
 88 20.5 0.0 41.2





#35

Dibromofluoromethane

Concen: 60.350 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA\_F

ClientSampleId :

EPE-F-8(125-127)RE

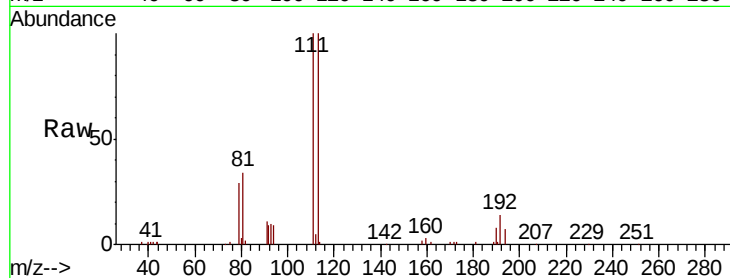
Tot Ion:113 Resp: 74608

Ion Ratio Lower Upper

113 100

111 99.9 79.0 118.4

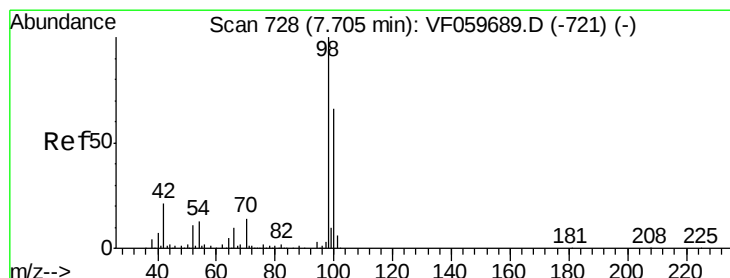
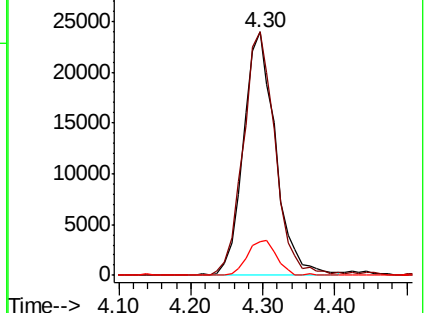
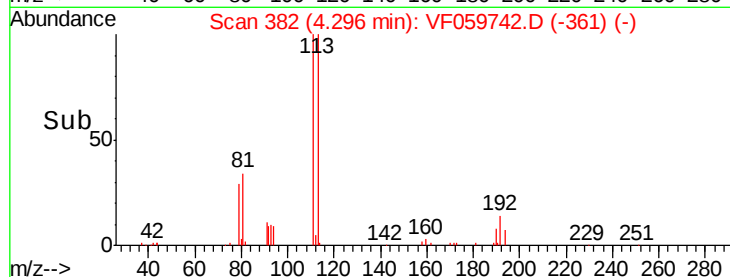
192 13.7 13.2 19.8



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: 29.545 ug/l

RT: 7.72 min Scan# 729

Delta R.T. 0.01 min

Lab File: VF059742.D

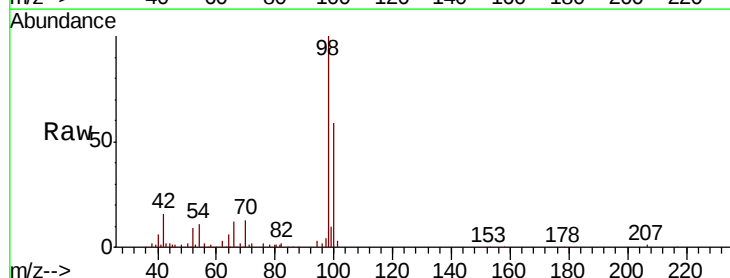
Acq: 1 Aug 2018 8:17

Tgt Ion: 98 Resp: 85173

Ion Ratio Lower Upper

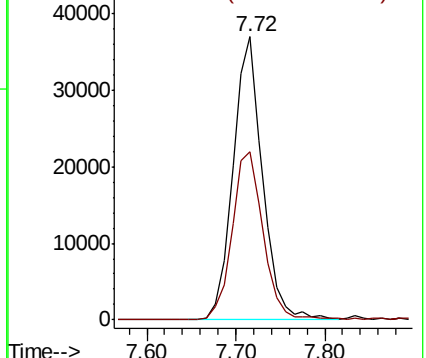
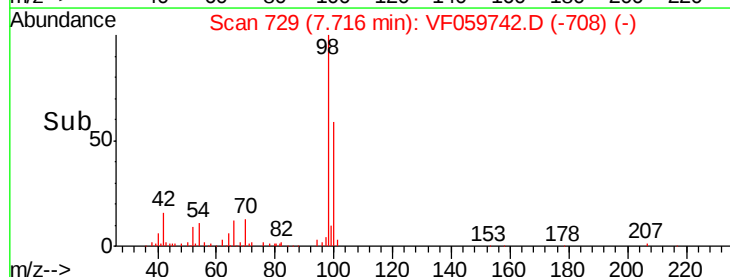
98 100

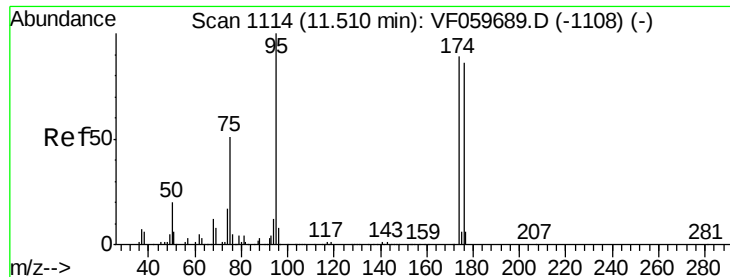
100 59.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 6.362 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA\_F

ClientSampleId :

EPE-F-8(125-127)RE

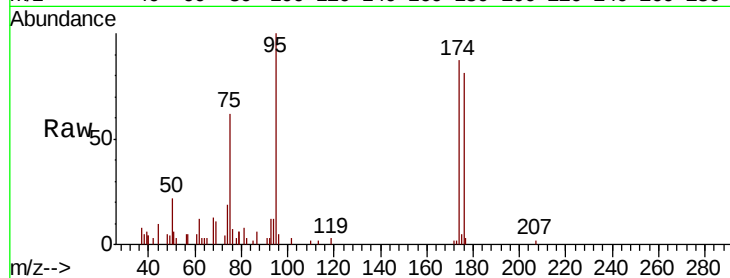
Tot Ion: 95 Resp: 10154

Ion Ratio Lower Upper

95 100

174 87.1 0.0 178.4

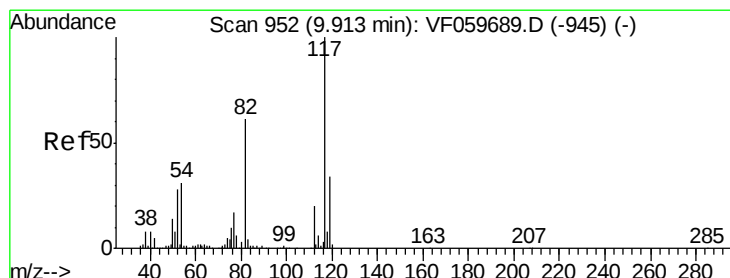
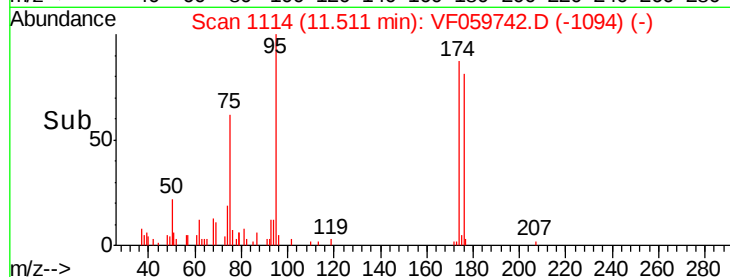
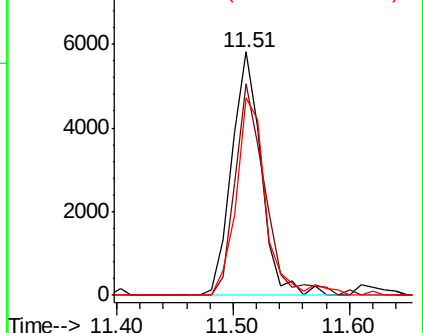
176 81.0 0.0 173.0



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 953

Delta R.T. 0.01 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

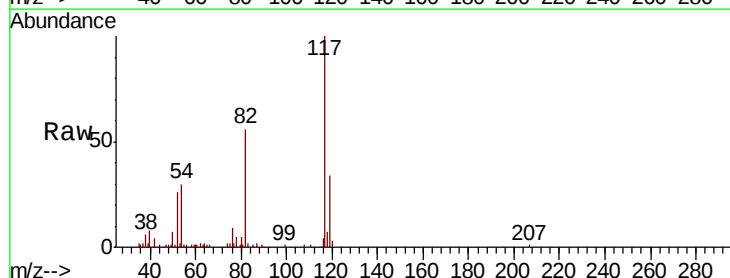
Tgt Ion: 117 Resp: 54961

Ion Ratio Lower Upper

117 100

82 56.2 49.0 73.4

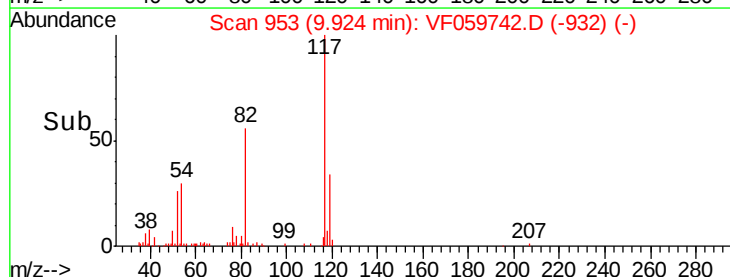
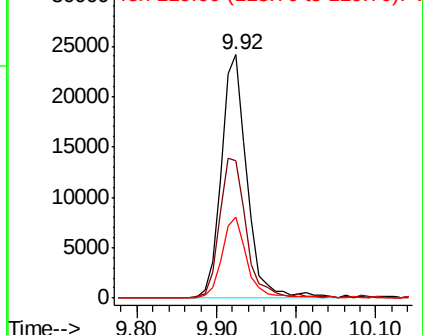
119 33.5 27.3 40.9

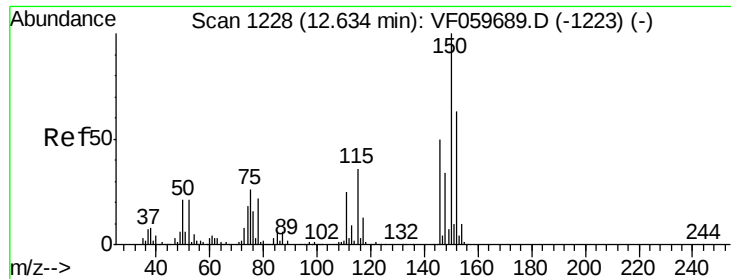


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059742.D

Acq: 1 Aug 2018 8:17

Instrument :

MSVOA\_F

ClientSampleId :

EPE-F-8(125-127)RE

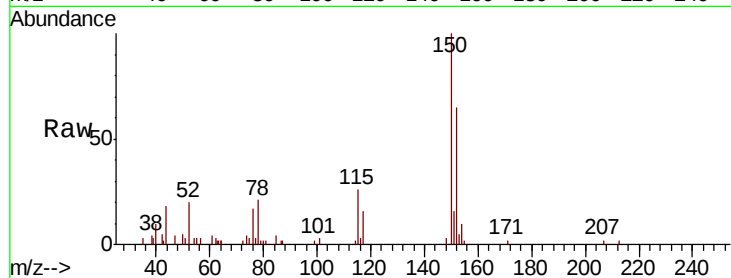
Tot Ion:152 Resp: 6035

Ion Ratio Lower Upper

152 100

115 39.1 28.2 84.6

150 153.1 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

