

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\  
 Data File : VF059720.D  
 Acq On : 31 Jul 2018 20:16  
 Operator : VA/AP  
 Sample : J4140-09RE  
 Misc : 6.31g/5mL/MSVOA F/SOIL  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 EPE-F-8(135-137)RE

Quant Time: Aug 01 07:47:49 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

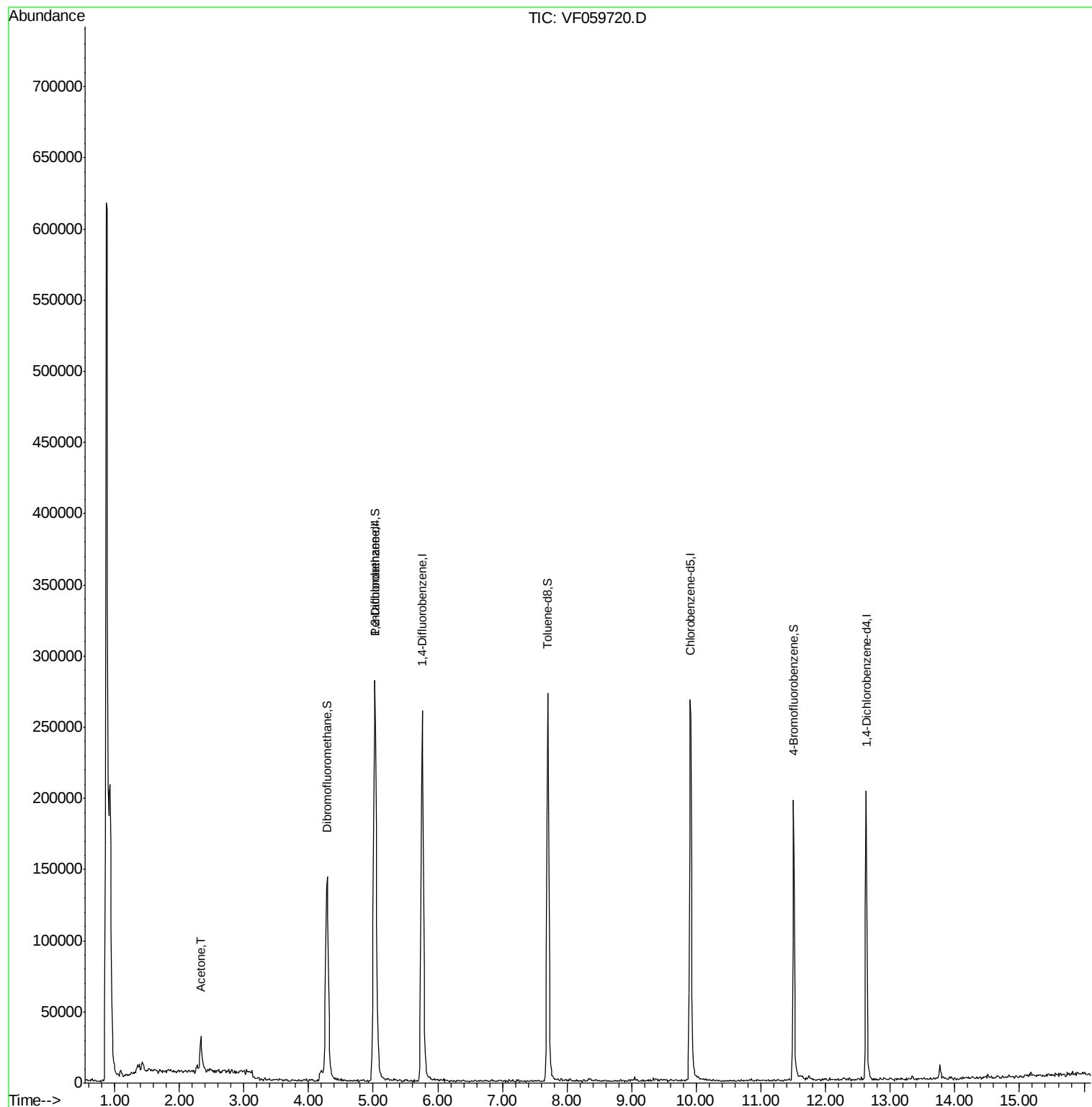
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 5.04  | 168  | 156472   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 5.76  | 114  | 242732   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 9.92  | 117  | 172736   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.63 | 152  | 47046    | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 161905   | 57.57  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.14% |            |
| 35) Dibromofluoromethane    | 4.29  | 113  | 130190   | 51.64  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.28% |            |
| 50) Toluene-d8              | 7.70  | 98   | 216960   | 36.90  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.80%  |            |
| 62) 4-Bromofluorobenzene    | 11.50 | 95   | 64866    | 19.93  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 39.86%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 2.34  | 43   | 40657    | 80.379 | ug/l    | Qvalue 100 |

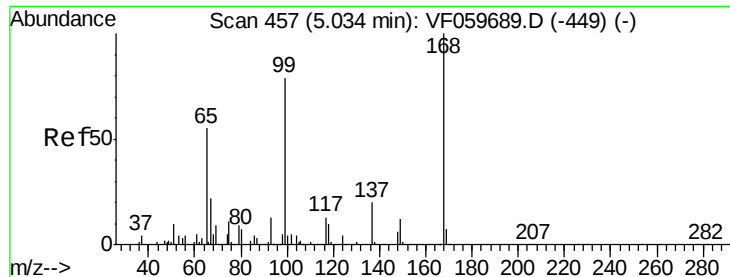
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 457

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA\_F

ClientSampleId :

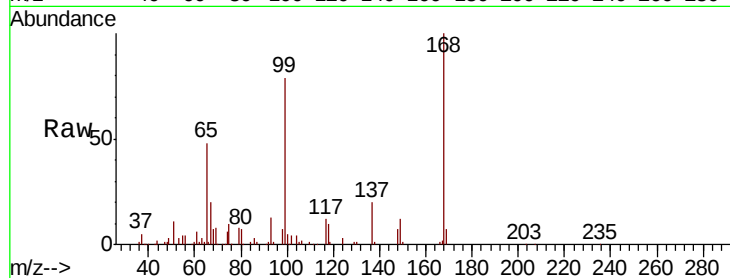
EPE-F-8(135-137)RE

Tot Ion:168 Resp: 156472

Ion Ratio Lower Upper

168 100

99 78.8 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

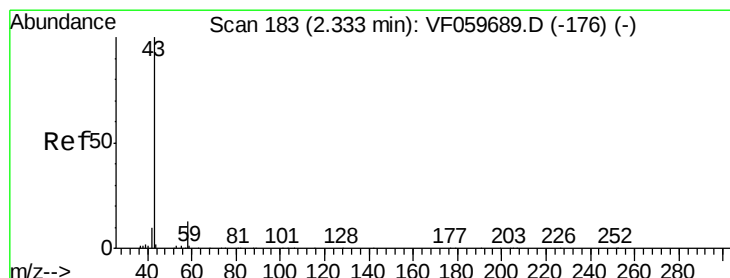
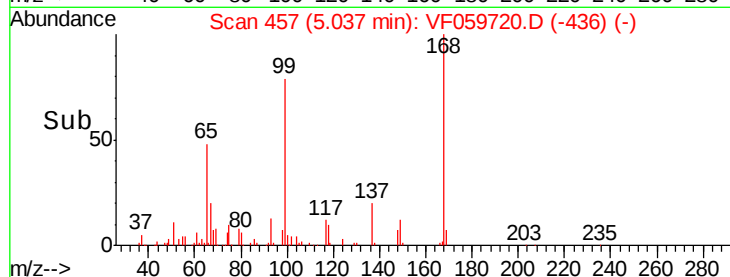
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#16

Acetone

Concen: 80.379 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059720.D

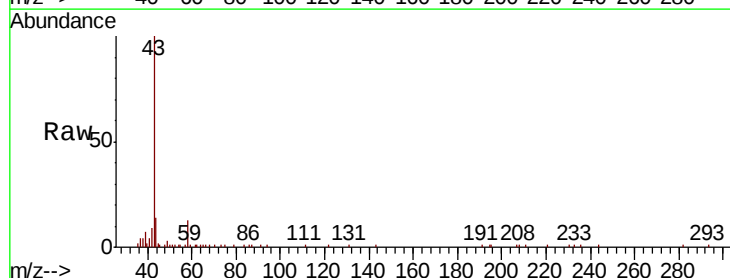
Acq: 31 Jul 2018 20:16

Tgt Ion: 43 Resp: 40657

Ion Ratio Lower Upper

43 100

58 12.6 10.1 15.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.34

20000

15000

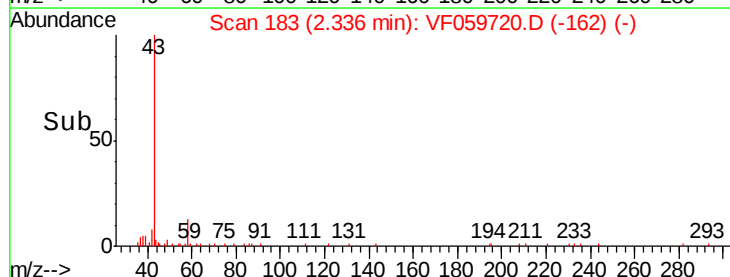
10000

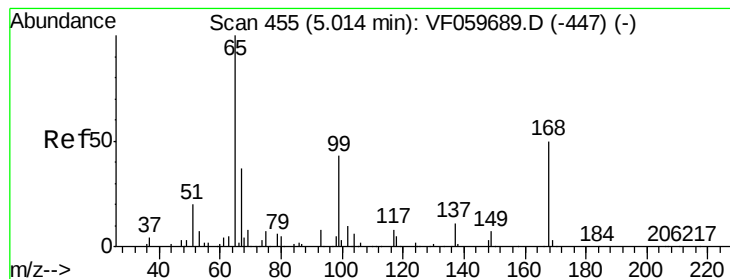
5000

0

2.20 2.30 2.40

Time-->





#33

1,2-Dichloroethane-d4

Concen: 57.574 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA\_F

ClientSampleId :

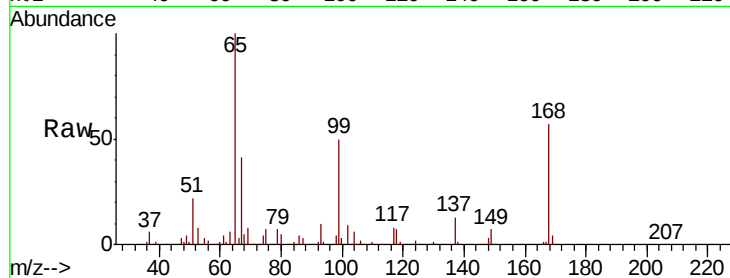
EPE-F-8(135-137)RE

Tot Ion: 65 Resp: 161905

Ion Ratio Lower Upper

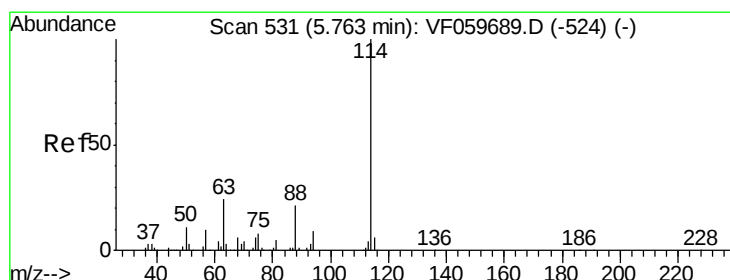
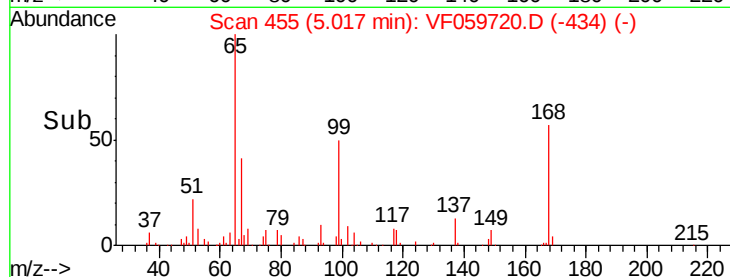
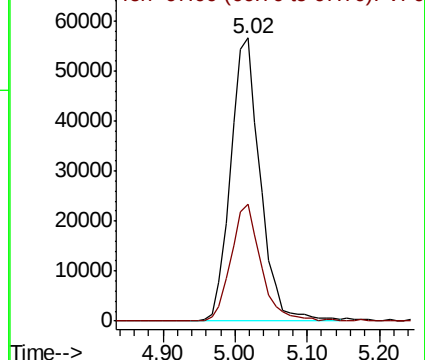
65 100

67 41.3 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

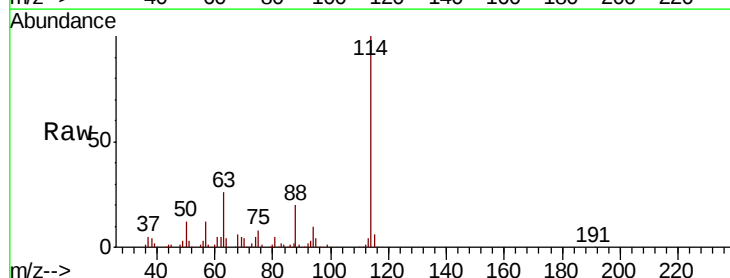
Tgt Ion: 114 Resp: 242732

Ion Ratio Lower Upper

114 100

63 26.2 0.0 47.4

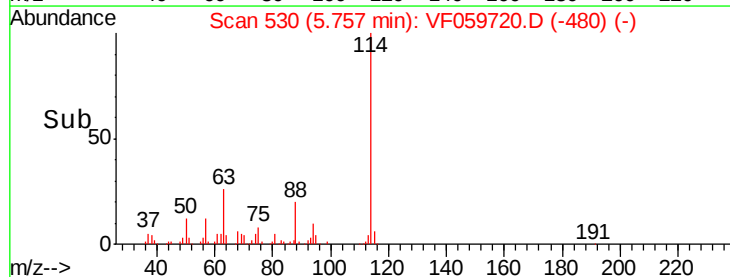
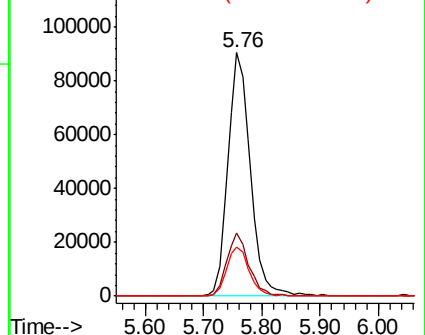
88 20.1 0.0 41.2

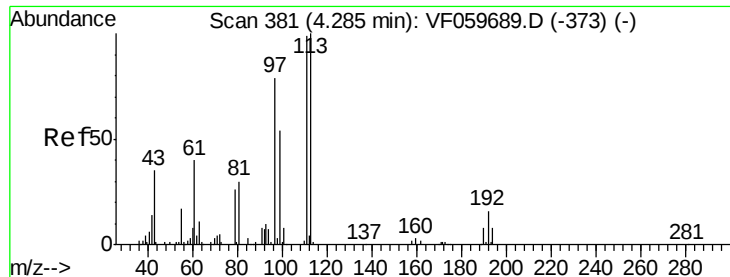


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.639 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

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ClientSampleId :

EPE-F-8(135-137)RE

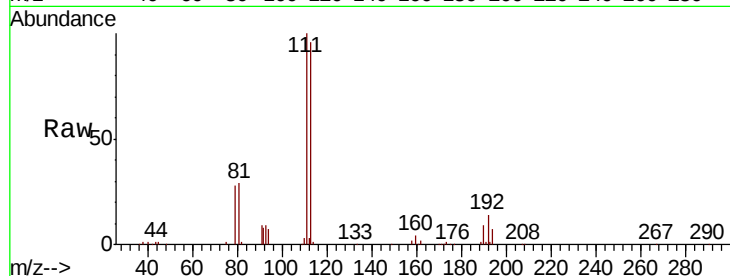
Tot Ion:113 Resp: 130190

Ion Ratio Lower Upper

113 100

111 103.8 79.0 118.4

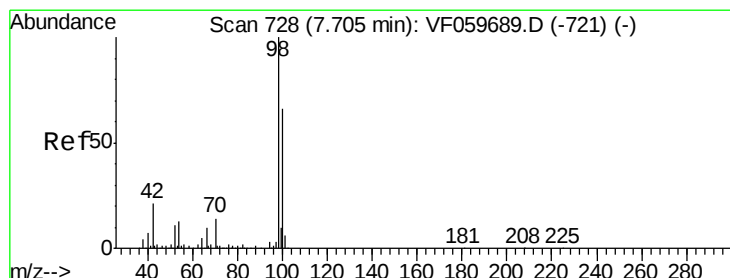
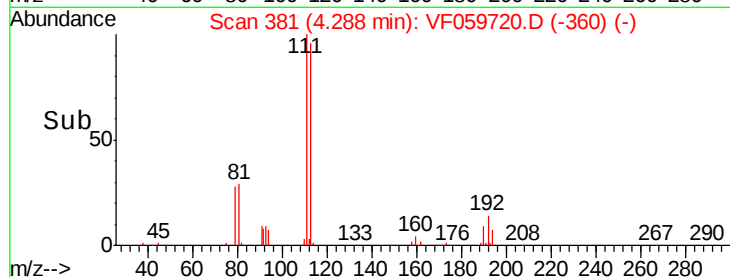
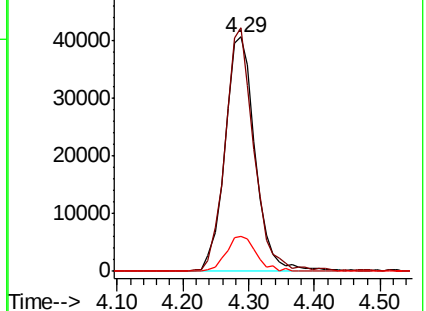
192 14.8 13.2 19.8



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: 36.903 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059720.D

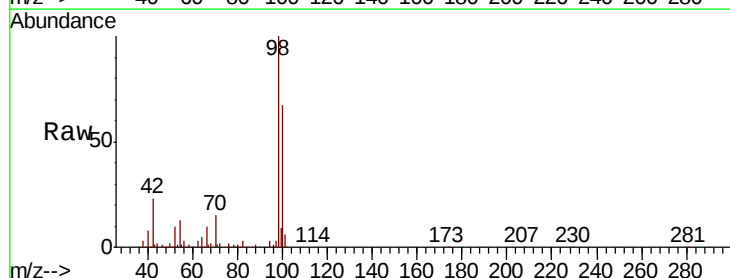
Acq: 31 Jul 2018 20:16

Tgt Ion: 98 Resp: 216960

Ion Ratio Lower Upper

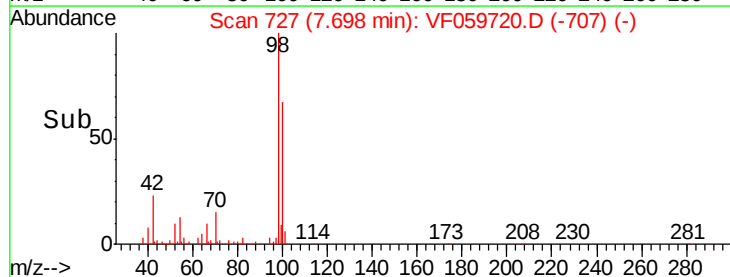
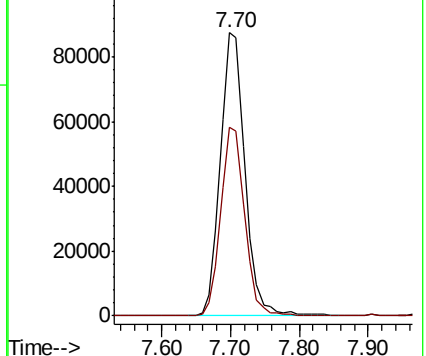
98 100

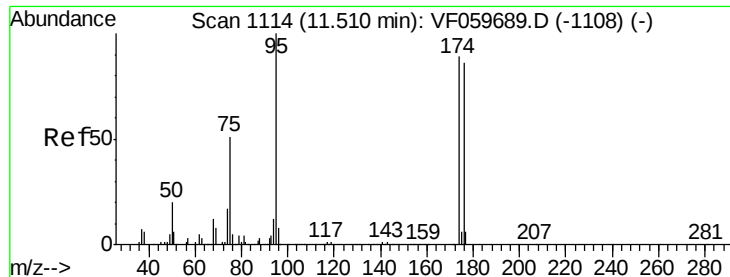
100 66.8 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#62

4-Bromofluorobenzene

Concen: 19.930 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

Instrument :

MSVOA\_F

ClientSampleId :

EPE-F-8(135-137)RE

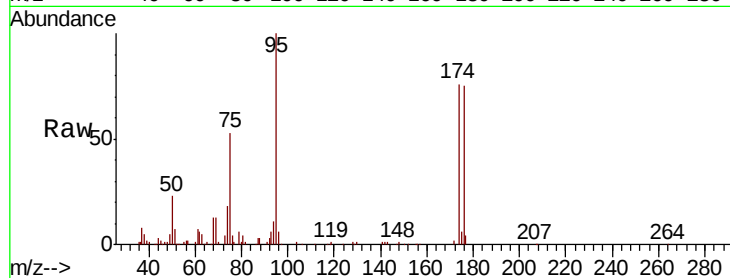
Tot Ion: 95 Resp: 64866

Ion Ratio Lower Upper

95 100

174 75.6 0.0 178.4

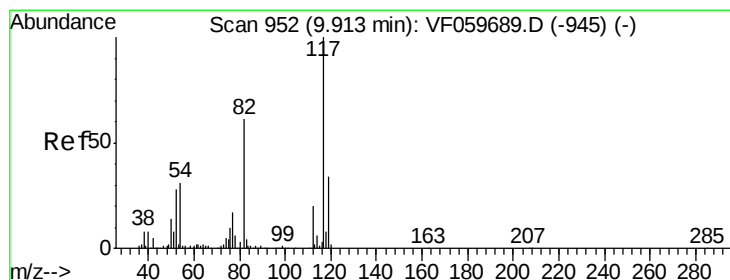
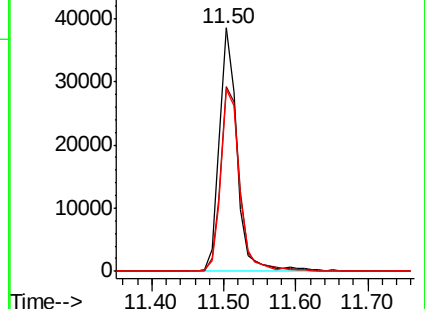
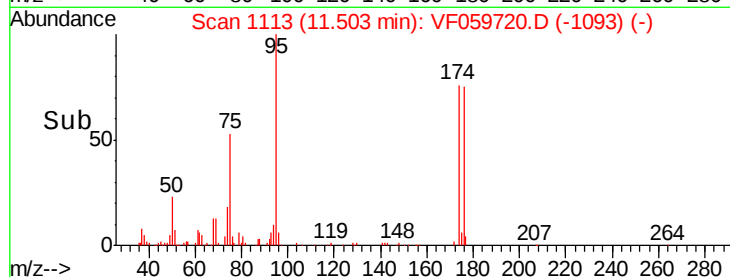
176 74.8 0.0 173.0



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# 952

Delta R.T. 0.00 min

Lab File: VF059720.D

Acq: 31 Jul 2018 20:16

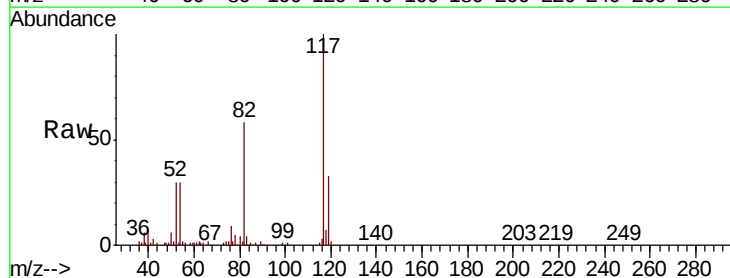
Tgt Ion: 117 Resp: 172736

Ion Ratio Lower Upper

117 100

82 58.0 49.0 73.4

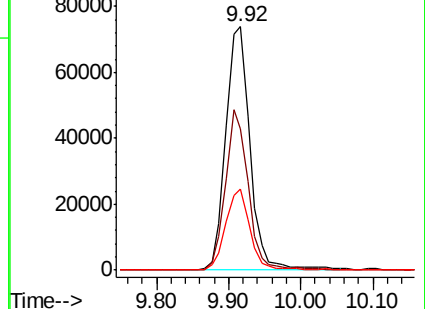
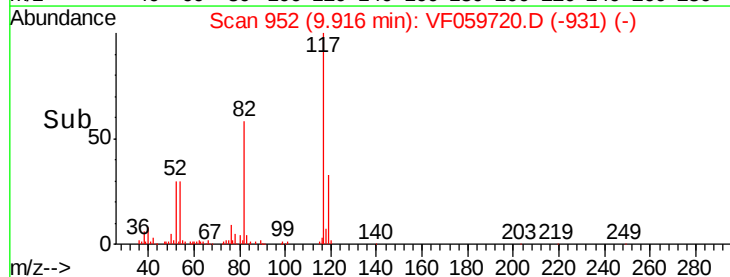
119 33.5 27.3 40.9

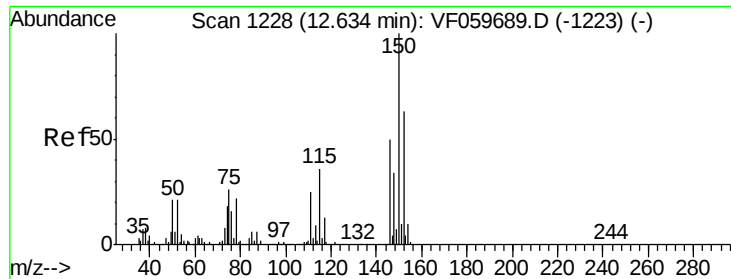


Abundance Ion 117.00 (116.70 to 117.70): V

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# 1227  
Delta R.T. -0.01 min  
Lab File: VF059720.D  
Acq: 31 Jul 2018 20:16

Instrument :  
MSVOA\_F  
ClientSampleId :  
EPE-F-8(135-137)RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.6  | 28.2  | 84.6  |
| 150     | 148.5 | 0.0   | 316.2 |

