

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080718\  
 Data File : VF059923.D  
 Acq On : 7 Aug 2018 15:20  
 Operator : VA/AP  
 Sample : J4298-01RE  
 Misc : 4.14g/5mL/MSVOA F/SOIL  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 WC-1RE

Quant Time: Aug 07 15:51:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 04 07:08:36 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.05  | 168  | 93454    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.77  | 114  | 131305   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.93  | 117  | 111798   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.64 | 152  | 53404    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 5.03   | 65  | 66329    | 39.37 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 78.74% |      |
| 35) Dibromofluoromethane    | 4.30   | 113 | 54532    | 41.74 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.48% |      |
| 50) Toluene-d8              | 7.71   | 98  | 93896    | 33.78 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 67.56% |      |
| 62) 4-Bromofluorobenzene    | 11.52  | 95  | 41200    | 26.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 52.76% |      |

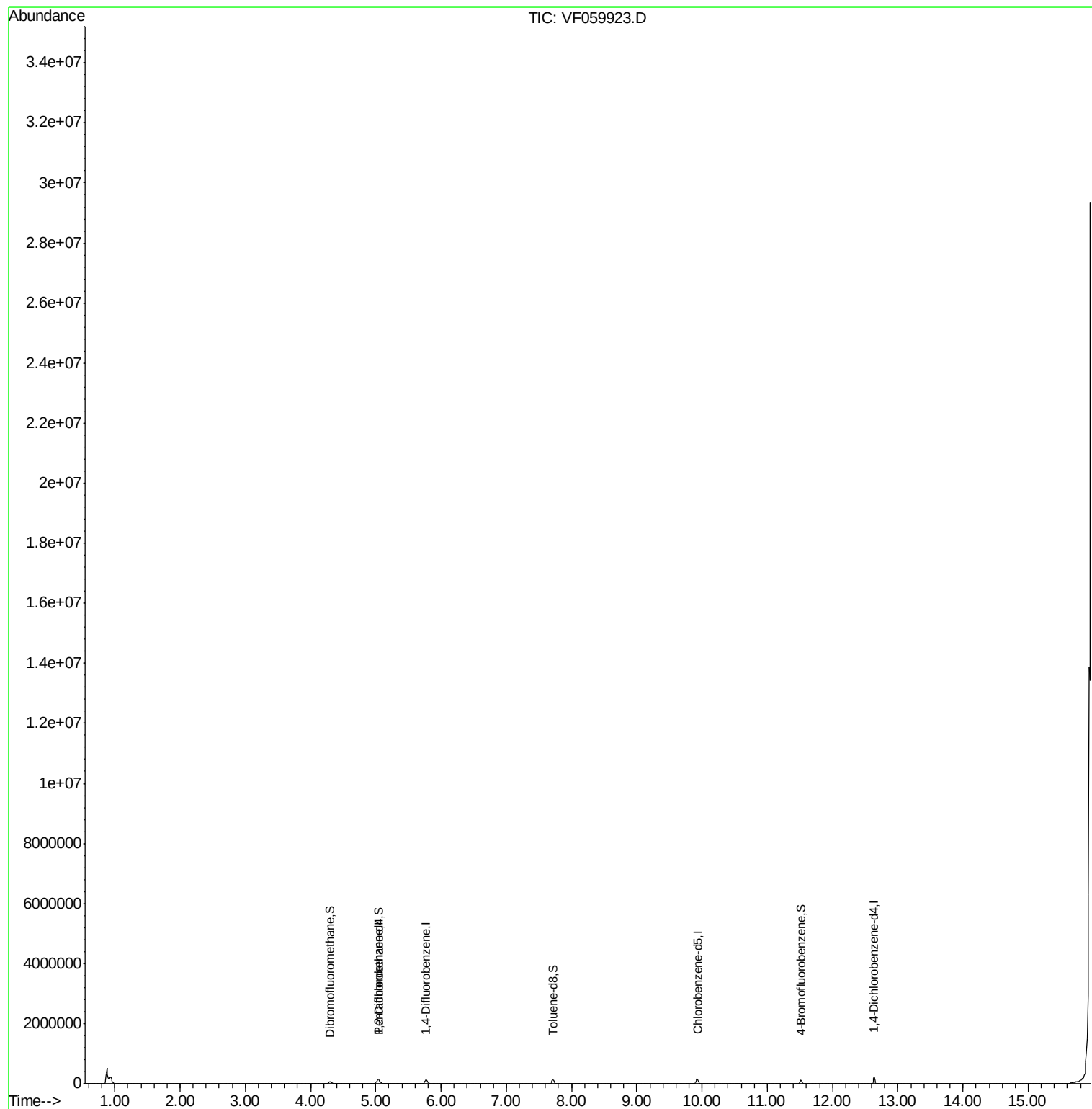
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

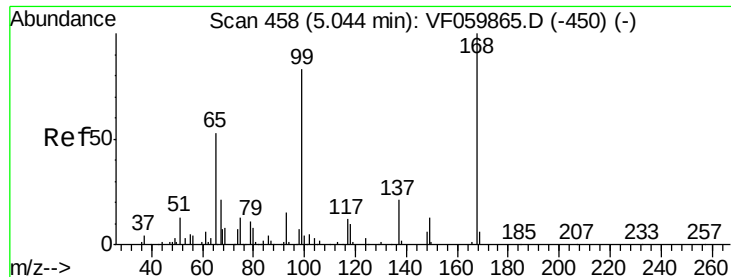
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080718\  
Data File : VF059923.D  
Acq On : 7 Aug 2018 15:20  
Operator : VA/AP  
Sample : J4298-01RE  
Misc : 4.14g/5mL/MSVOA F/SOIL  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
WC-1RE

Quant Time: Aug 07 15:51:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
Quant Title : SW846 8260  
QLast Update : Sat Aug 04 07:08:36 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059923.D

Acq: 7 Aug 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

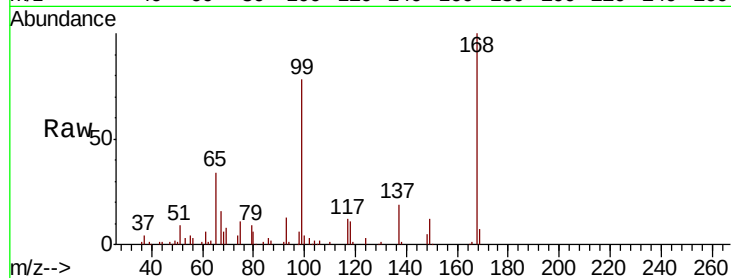
WC-1RE

Tot Ion:168 Resp: 93454

Ion Ratio Lower Upper

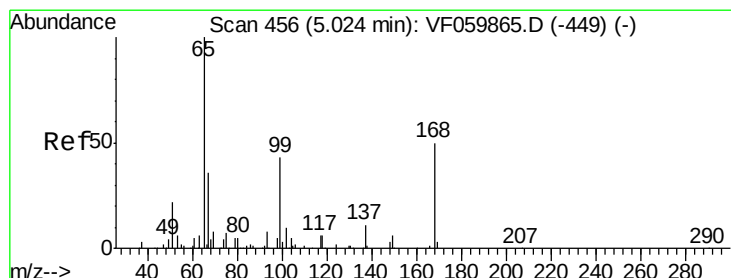
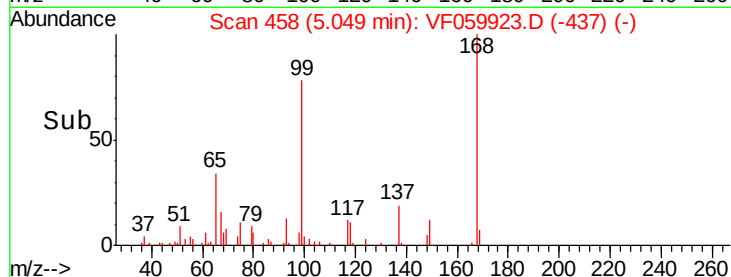
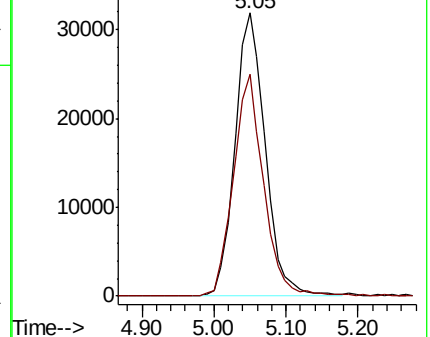
168 100

99 78.4 66.3 99.5



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 39.37 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059923.D

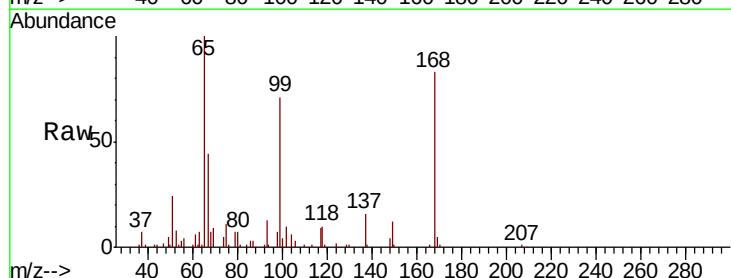
Acq: 7 Aug 2018 15:20

Tgt Ion: 65 Resp: 66329

Ion Ratio Lower Upper

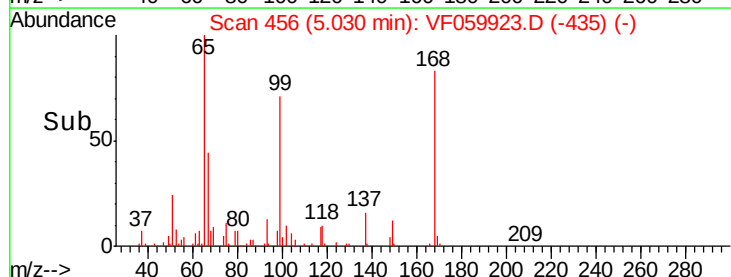
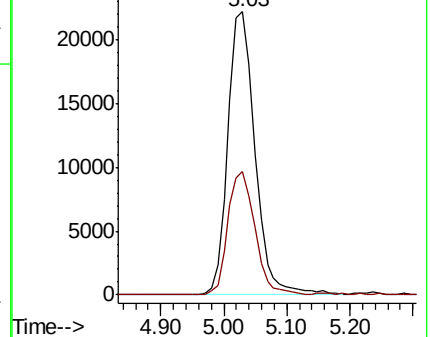
65 100

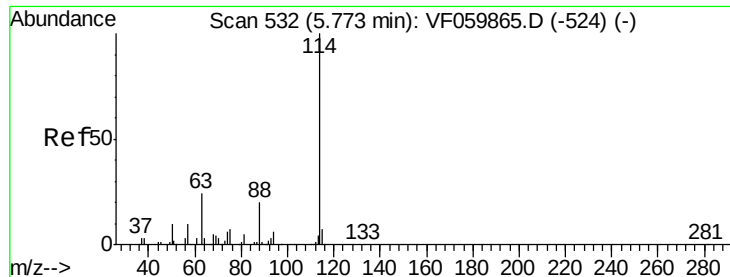
67 43.6 0.0 77.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.00 min

Lab File: VF059923.D

Acq: 7 Aug 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

WC-1RE

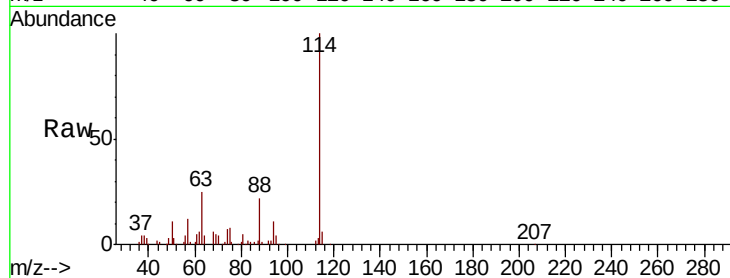
Tot Ion:114 Resp: 131305

Ion Ratio Lower Upper

114 100

63 25.4 0.0 48.0

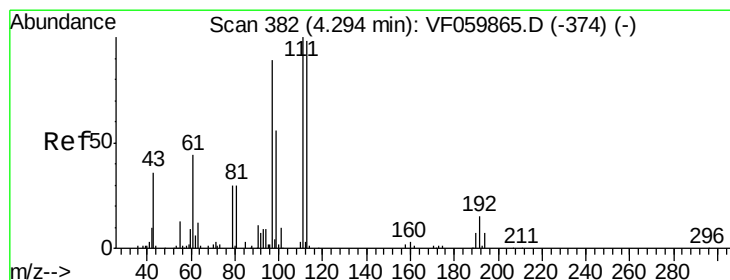
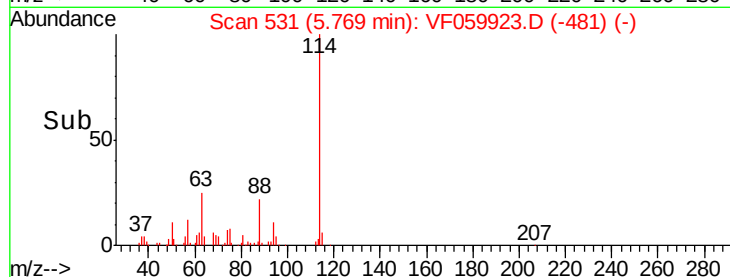
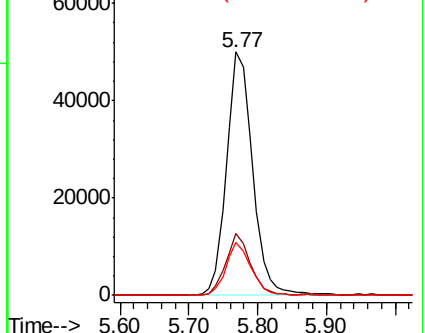
88 21.6 0.0 39.4



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: 41.74 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059923.D

Acq: 7 Aug 2018 15:20

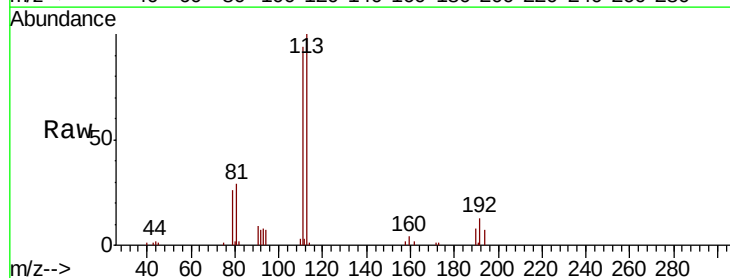
Tgt Ion:113 Resp: 54532

Ion Ratio Lower Upper

113 100

111 93.6 81.8 122.8

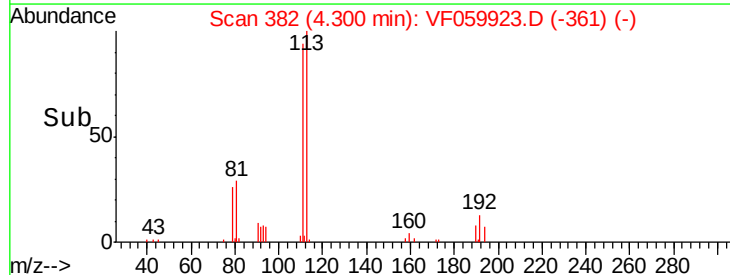
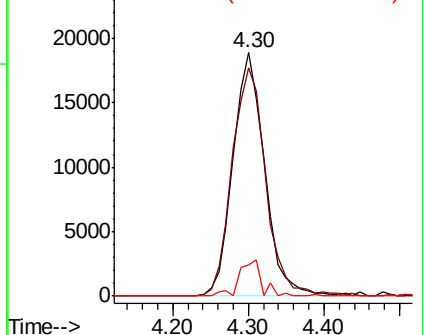
192 13.0 12.4 18.6

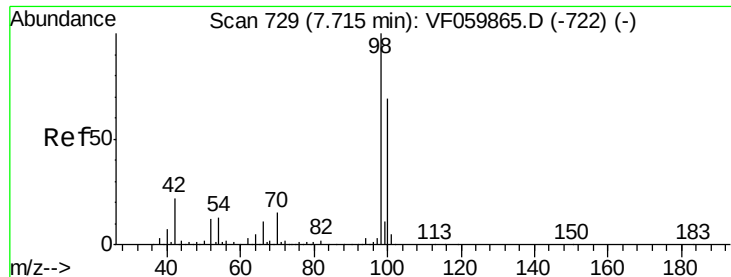


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.78 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059923.D

Acq: 7 Aug 2018 15:20

Instrument :

MSVOA\_F

ClientSampleId :

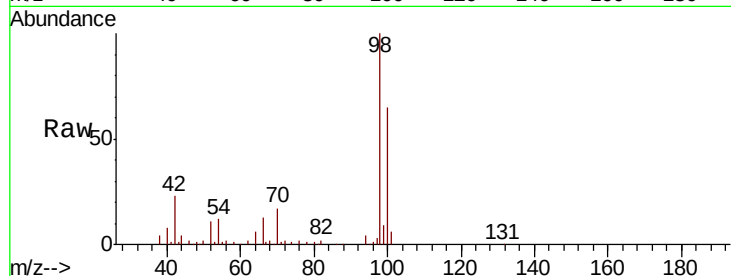
WC-1RE

Tot Ion: 98 Resp: 93896

Ion Ratio Lower Upper

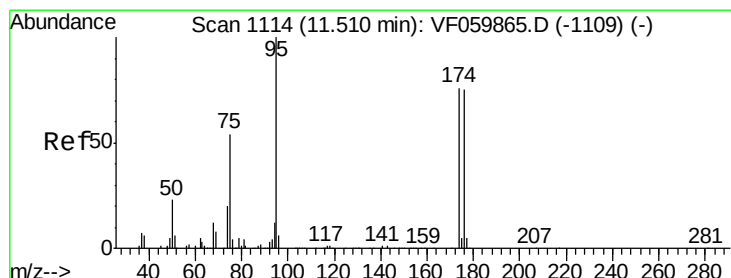
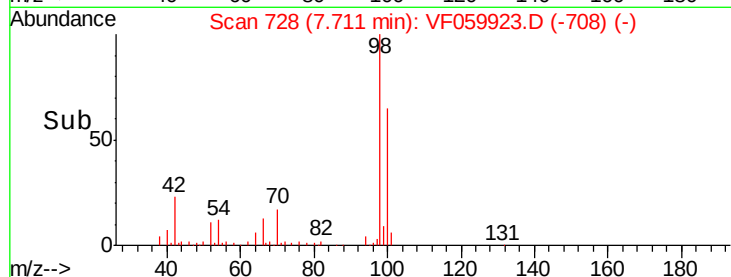
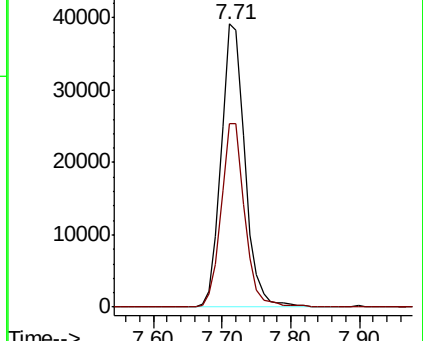
98 100

100 64.9 55.0 82.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 26.38 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VF059923.D

Acq: 7 Aug 2018 15:20

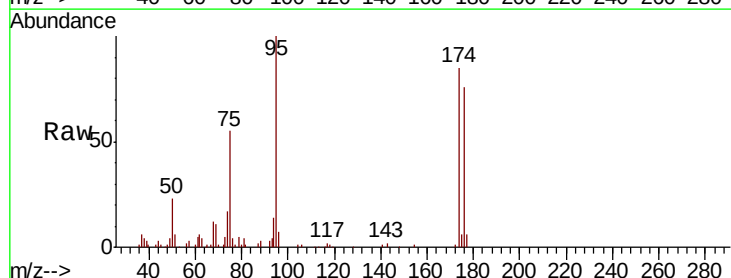
Tgt Ion: 95 Resp: 41200

Ion Ratio Lower Upper

95 100

174 84.8 0.0 151.6

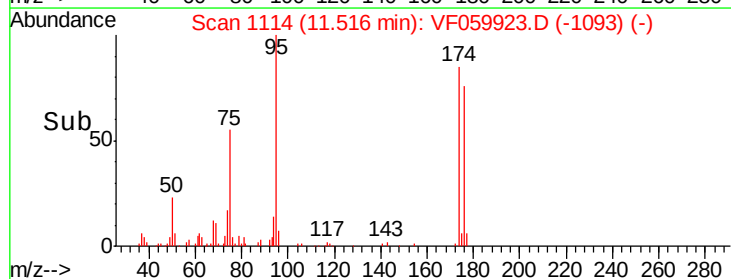
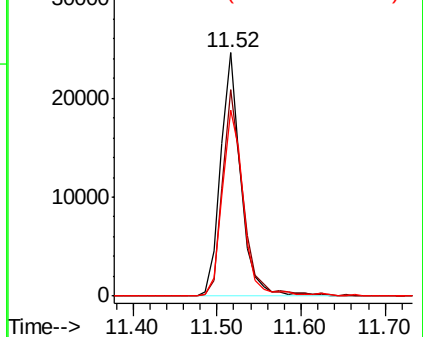
176 76.5 0.0 149.8

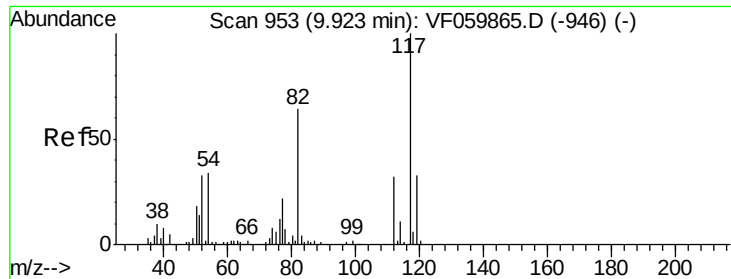


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

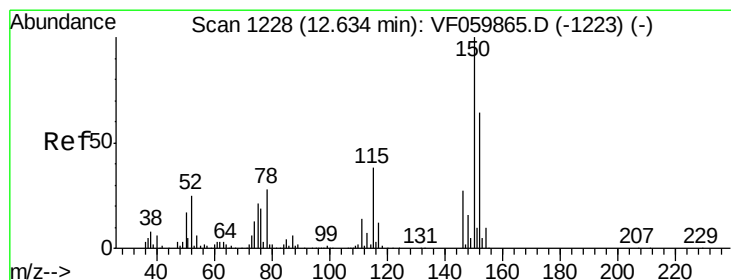
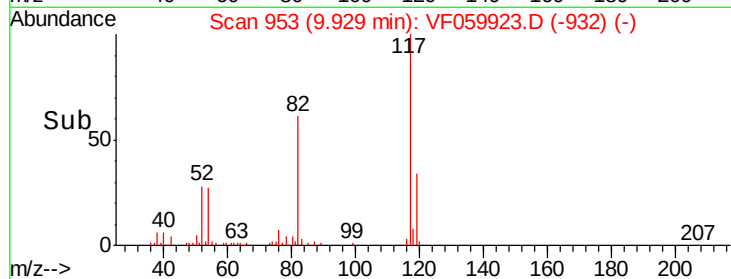
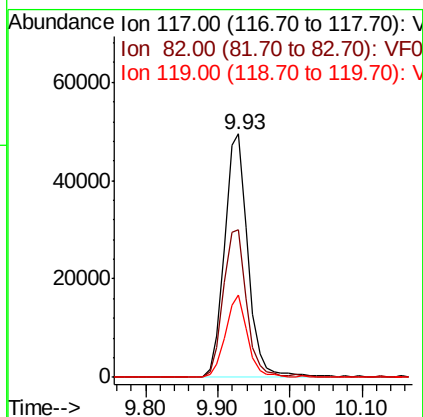
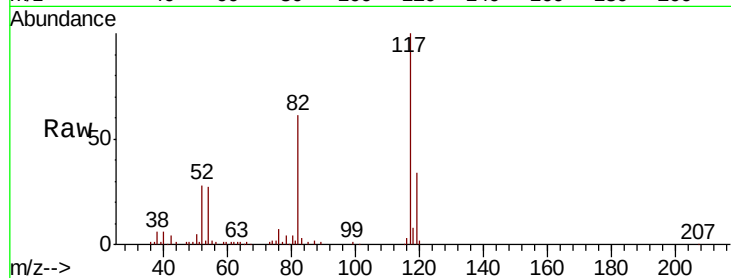




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.93 min Scan# 953  
Delta R.T. 0.01 min  
Lab File: VF059923.D  
Acq: 7 Aug 2018 15:20

Instrument :  
MSVOA\_F  
ClientSampleId :  
WC-1RE

Tot Ion:117 Resp: 111798  
Ion Ratio Lower Upper  
117 100  
82 60.7 51.3 76.9  
119 33.7 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.64 min Scan# 1228  
Delta R.T. 0.01 min  
Lab File: VF059923.D  
Acq: 7 Aug 2018 15:20

Tgt Ion:152 Resp: 53404  
Ion Ratio Lower Upper  
152 100  
115 56.2 29.8 89.4  
150 147.2 0.0 315.6

