

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\  
 Data File : VF059858.D  
 Acq On : 4 Aug 2018 00:08  
 Operator : VA/AP  
 Sample : J4318-01  
 Misc : 4.33g/5mL/MSVOA F/SOIL  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 BEEBEE-SITE-DEMO-1

Quant Time: Aug 04 05:01:46 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      | 5.05  | 168  | 164563   | 50.00 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 5.76  | 114  | 246768   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.91  | 117  | 181268   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.64 | 152  | 58449    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.02  | 65   | 139491   | 47.16 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.32% |          |
| 35) Dibromofluoromethane    | 4.29  | 113  | 115449   | 45.04 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.08% |          |
| 50) Toluene-d8              | 7.71  | 98   | 197969   | 33.12 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 66.24% |          |
| 62) 4-Bromofluorobenzene    | 11.51 | 95   | 67293    | 20.34 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 40.68% |          |

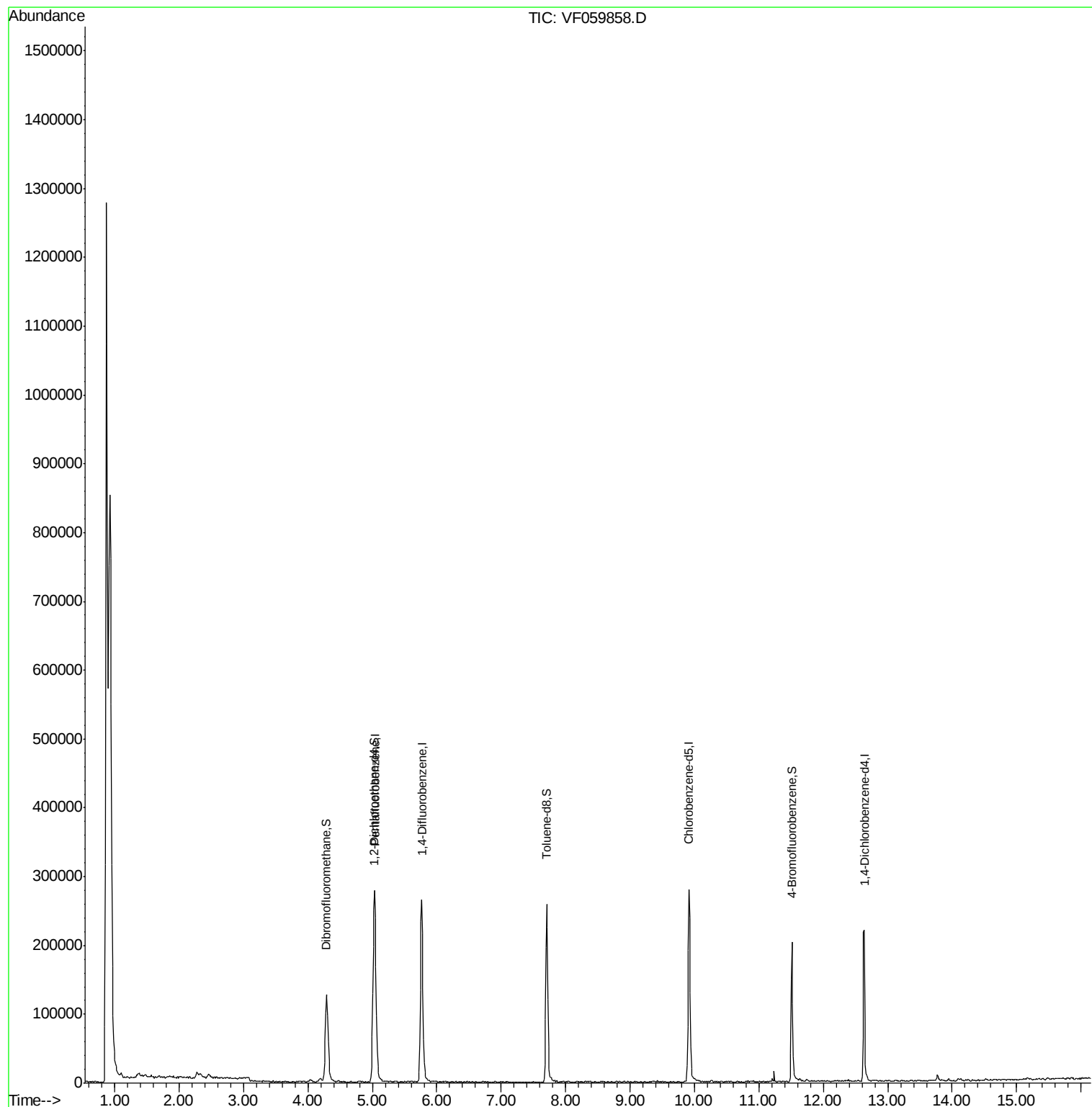
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

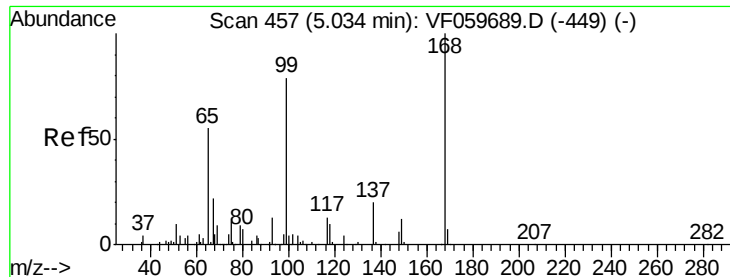
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080318\  
Data File : VF059858.D  
Acq On : 4 Aug 2018 00:08  
Operator : VA/AP  
Sample : J4318-01  
Misc : 4.33g/5mL/MSVOA F/SOIL  
ALS Vial : 100 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
BEEBEE-SITE-DEMO-1

Quant Time: Aug 04 05:01:46 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: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059858.D

Acq: 4 Aug 2018 00:08

Instrument :

MSVOA\_F

ClientSampleId :

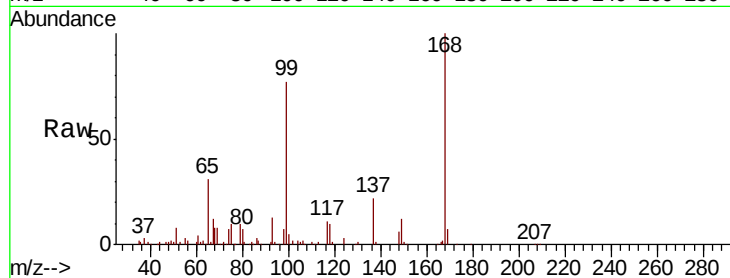
BEEBEE-SITE-DEMO-1

Tot Ion:168 Resp: 164563

Ion Ratio Lower Upper

168 100

99 76.5 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

30000

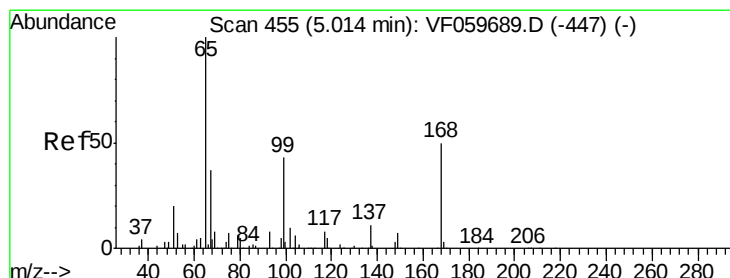
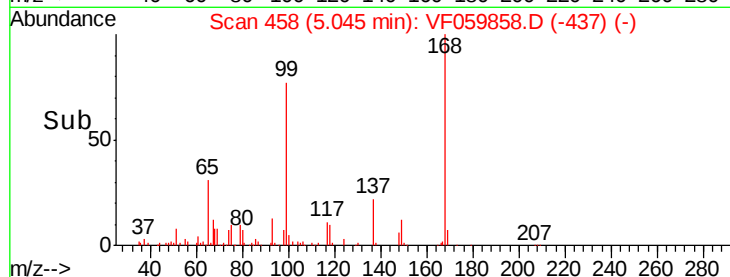
20000

10000

0

Time-->

4.90 5.00 5.10 5.20



#33

1,2-Dichloroethane-d4

Concen: 47.16 ug/l

RT: 5.02 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059858.D

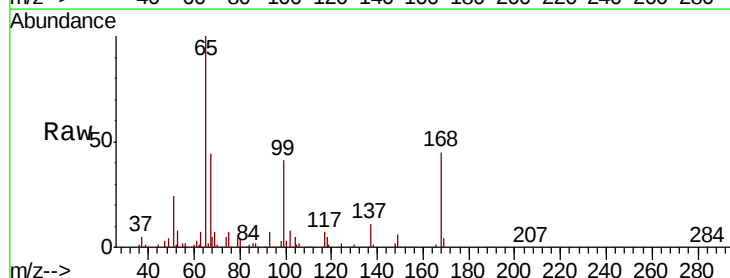
Acq: 4 Aug 2018 00:08

Tgt Ion: 65 Resp: 139491

Ion Ratio Lower Upper

65 100

67 44.0 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.02

50000

40000

30000

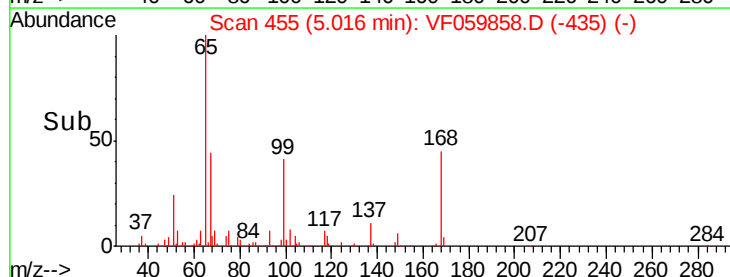
20000

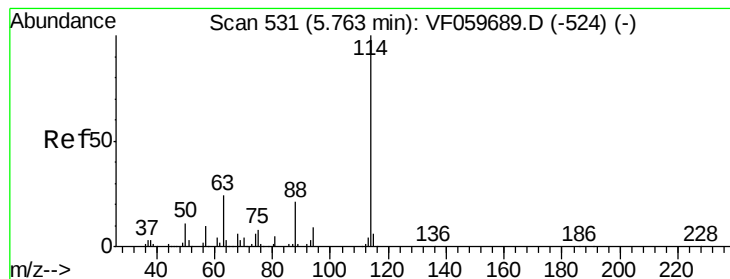
10000

0

Time-->

4.90 5.00 5.10 5.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059858.D

Acq: 4 Aug 2018 00:08

Instrument :

MSVOA\_F

ClientSampleId :

BEEBEE-SITE-DEMO-1

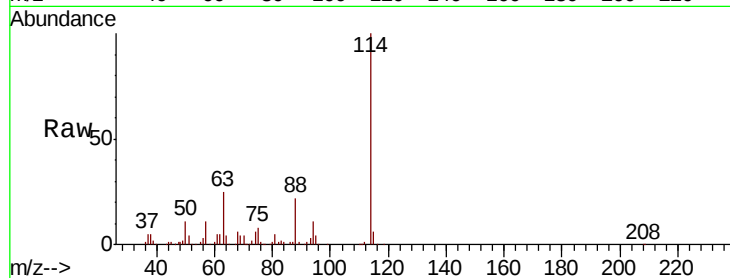
Tot Ion:114 Resp: 246768

Ion Ratio Lower Upper

114 100

63 25.3 0.0 47.4

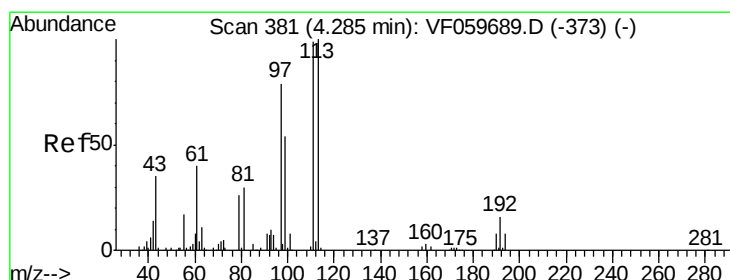
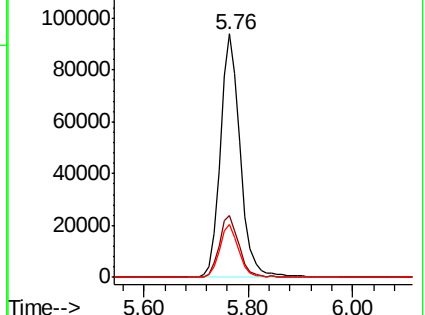
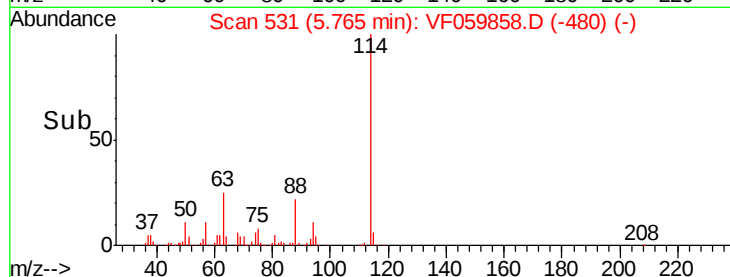
88 21.6 0.0 41.2



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: 45.04 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059858.D

Acq: 4 Aug 2018 00:08

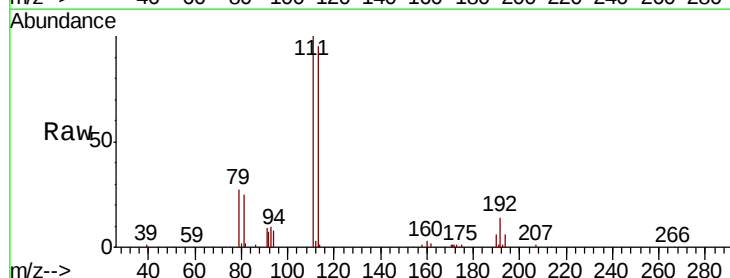
Tgt Ion:113 Resp: 115449

Ion Ratio Lower Upper

113 100

111 105.1 79.0 118.4

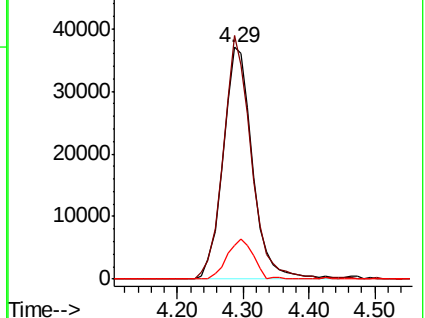
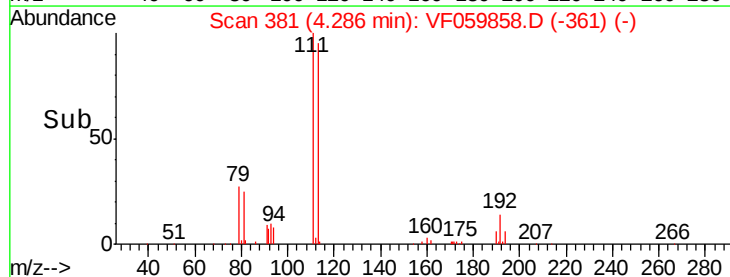
192 14.7 13.2 19.8

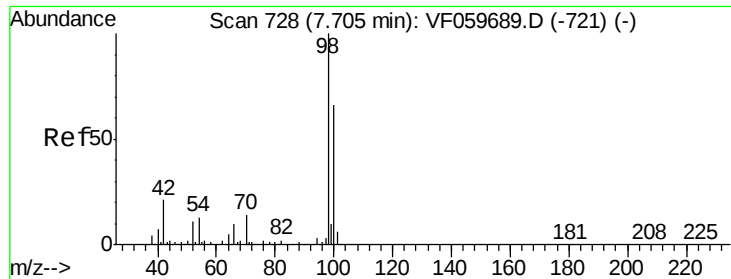


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#50

Toluene-d8

Concen: 33.12 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059858.D

Acq: 4 Aug 2018 00:08

Instrument :

MSVOA\_F

ClientSampleId :

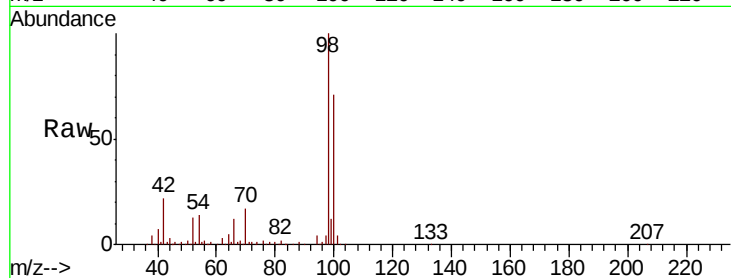
BEEBEE-SITE-DEMO-1

Tot Ion: 98 Resp: 197969

Ion Ratio Lower Upper

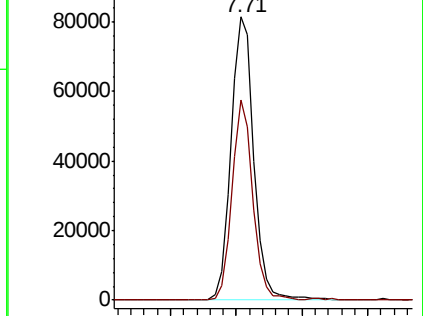
98 100

100 70.8 52.8 79.2

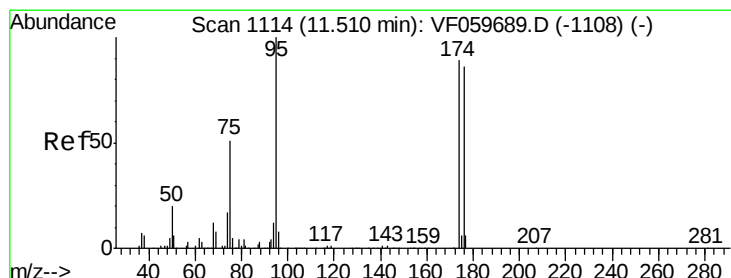
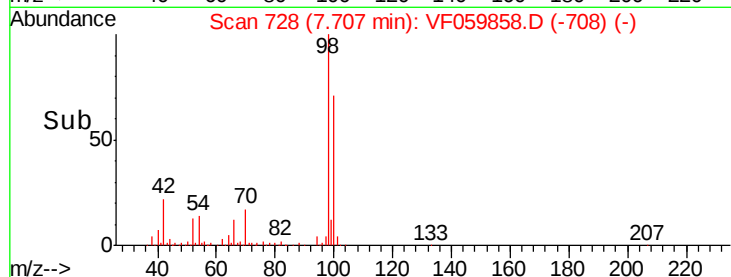


Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



Time-->



#62

4-Bromofluorobenzene

Concen: 20.34 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059858.D

Acq: 4 Aug 2018 00:08

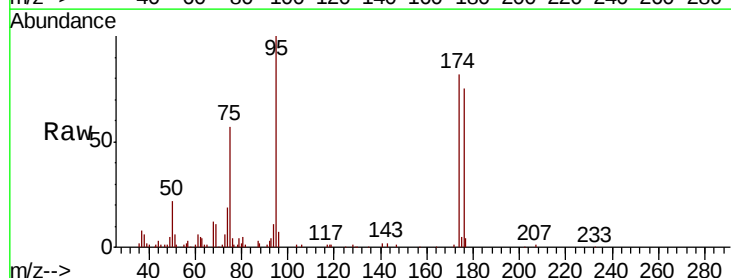
Tgt Ion: 95 Resp: 67293

Ion Ratio Lower Upper

95 100

174 82.2 0.0 178.4

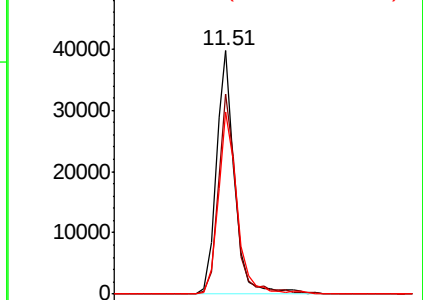
176 75.0 0.0 173.0



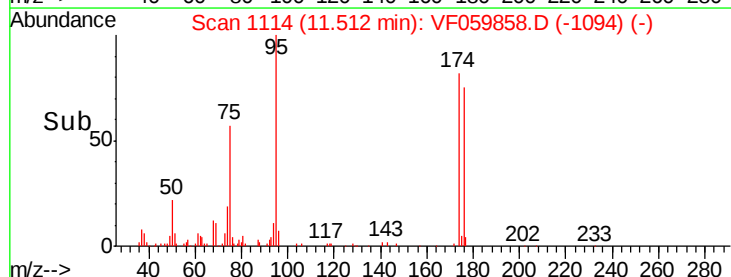
Abundance Ion 95.00 (94.70 to 95.70): VF0

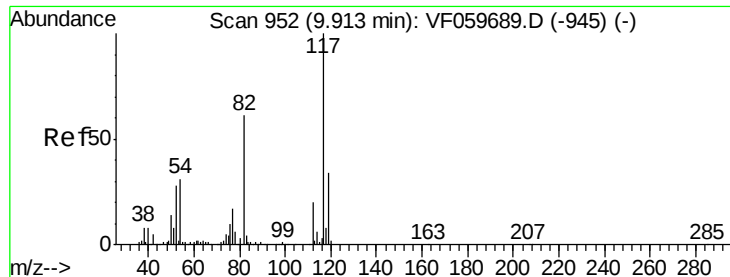
Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



Time-->

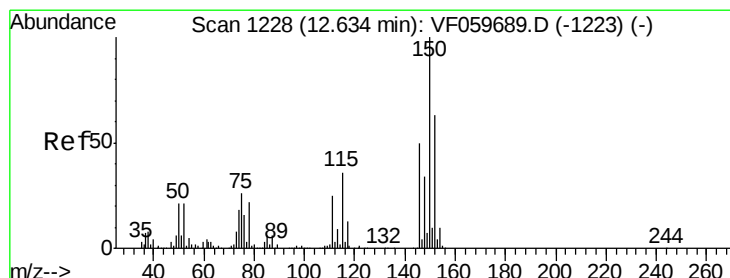
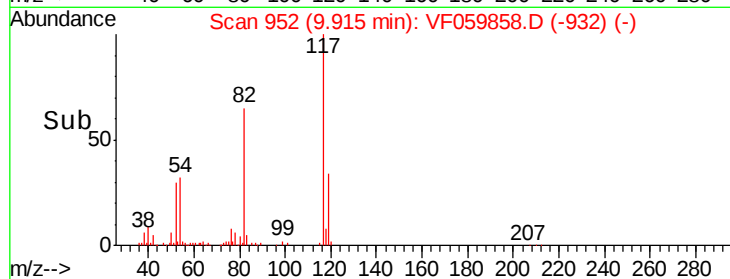
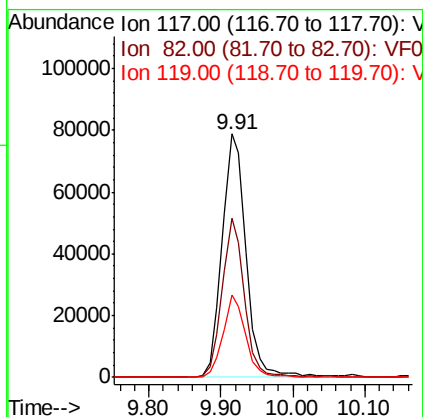
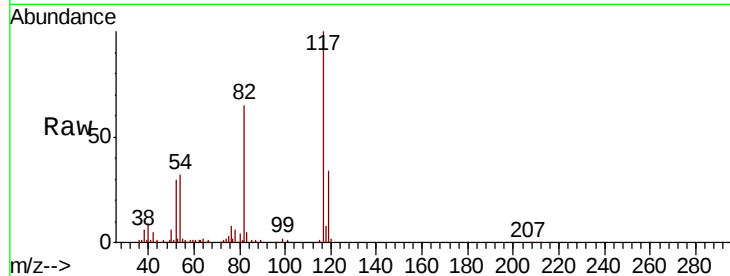




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.91 min Scan# 952  
Delta R.T. 0.00 min  
Lab File: VF059858.D  
Acq: 4 Aug 2018 00:08

Instrument :  
MSVOA\_F  
ClientSampleId :  
BEEBEE-SITE-DEMO-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 65.4  | 49.0  | 73.4  |
| 119     | 34.1  | 27.3  | 40.9  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.64 min Scan# 1228  
Delta R.T. 0.00 min  
Lab File: VF059858.D  
Acq: 4 Aug 2018 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.6  | 28.2  | 84.6  |
| 150     | 146.8 | 0.0   | 316.2 |

