

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\  
 Data File : VF059238.D  
 Acq On : 20 Jun 2018 20:59  
 Operator : VA/AP  
 Sample : J3575-21  
 Misc : 6.21g/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-13

Quant Time: Jun 21 06:39:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 07 10:52:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene      | 0.00 | 168  | 0        | 0.00 | ug/l  | -5.04    |
| 34) 1,4-Difluorobenzene    | 0.00 | 114  | 0        | 0.00 | ug/l  | -5.76    |
| 63) Chlorobenzene-d5       | 0.00 | 117  | 0        | 0.00 | ug/l  | -9.91    |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00 | ug/l  | -12.63   |

| System Monitoring Compounds |        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|-------|------|----------|------|-------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 5.13  | 65   | 61       | 0.00 | ug/l  | 0.12     |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 35) Dibromofluoromethane    |        | 0.00  | 113  | 0        | 0.00 | ug/l  |          |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 50) Toluene-d8              |        | 0.00  | 98   | 0        | 0.00 | ug/l  |          |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |
| 62) 4-Bromofluorobenzene    |        | 11.48 | 95   | 84       | 0.00 | ug/l  | -0.03    |
| Spiked Amount               | 50.000 |       |      | Recovery | =    | 0.00% |          |

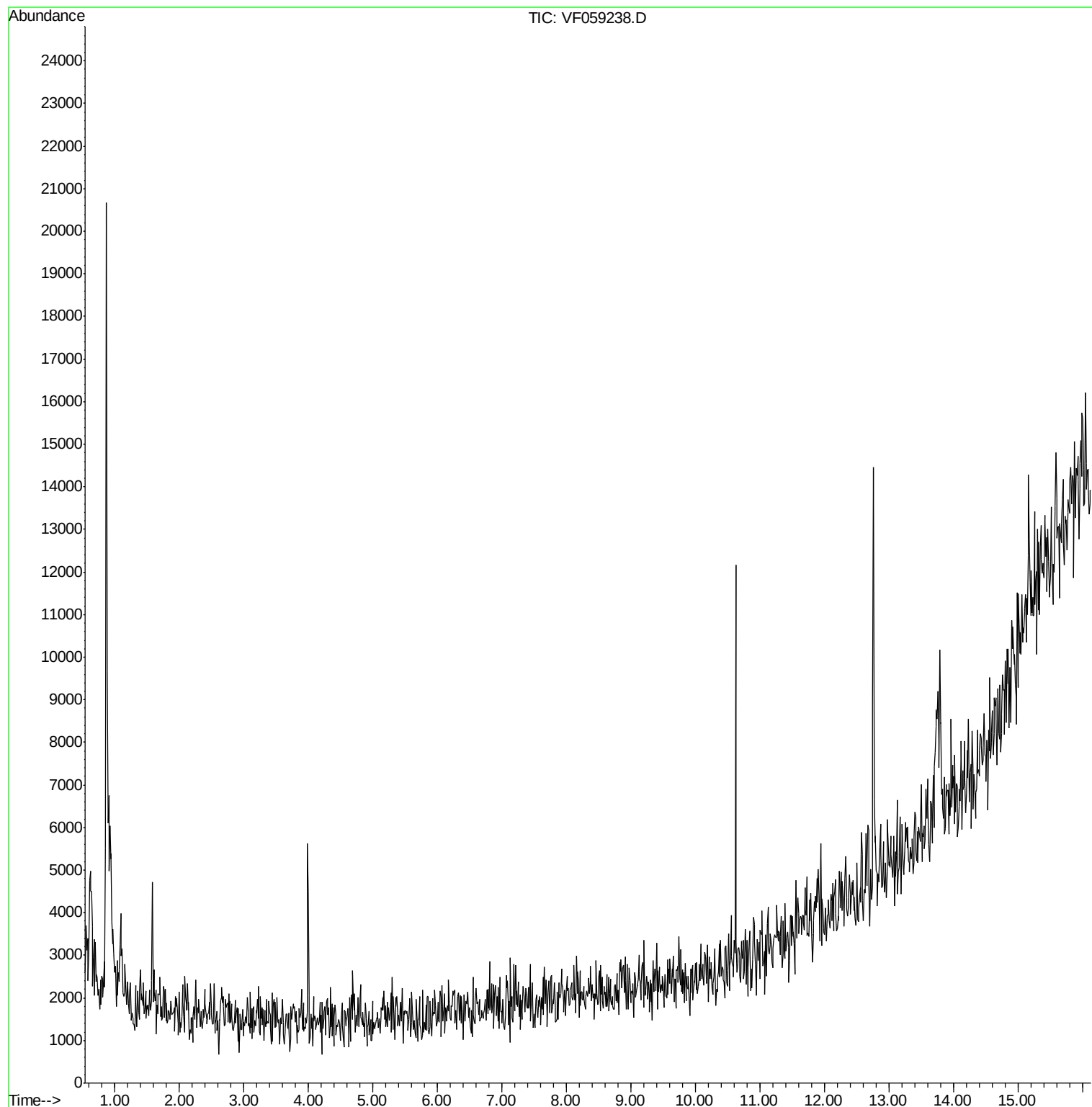
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

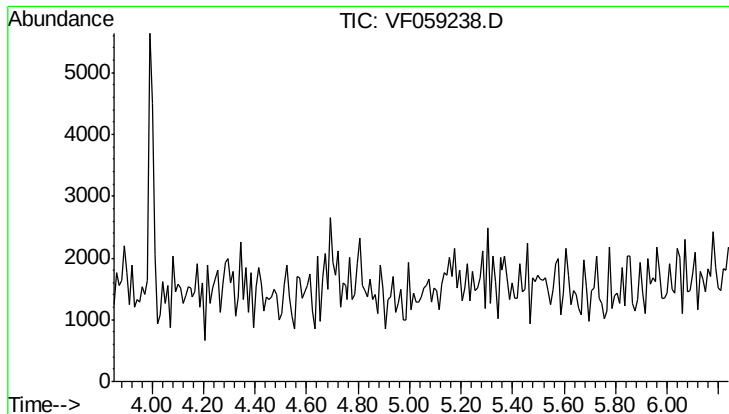
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062018\  
Data File : VF059238.D  
Acq On : 20 Jun 2018 20:59  
Operator : VA/AP  
Sample : J3575-21  
Misc : 6.21g/5mL/MSVOA-F/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-13

Quant Time: Jun 21 06:39:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F060618S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jun 07 10:52:00 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.04 min

Lab File: VF059238.D

Acq: 20 Jun 2018 20:59

Instrument :

MSVOA\_F

ClientSampleId :

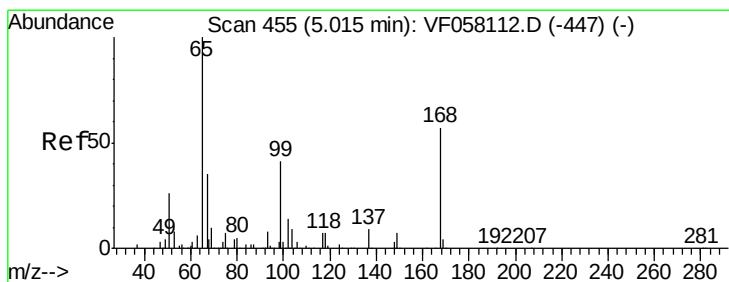
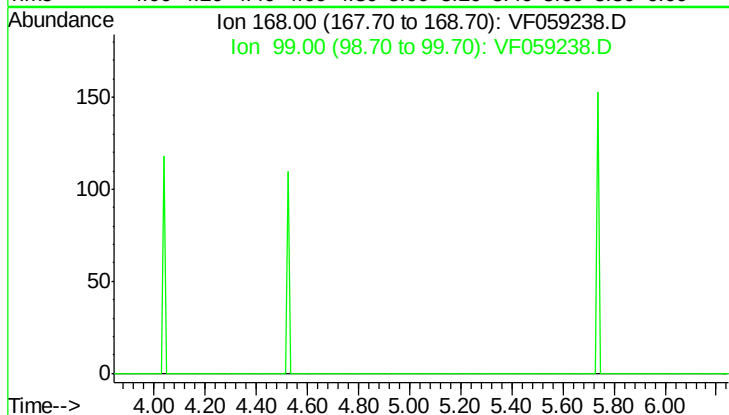
TP-13

Tot Ion: 168

Sig Exp Ratio

168 100

99 66.1



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

RT: 5.13 min Scan# 467

Delta R.T. 0.12 min

Lab File: VF059238.D

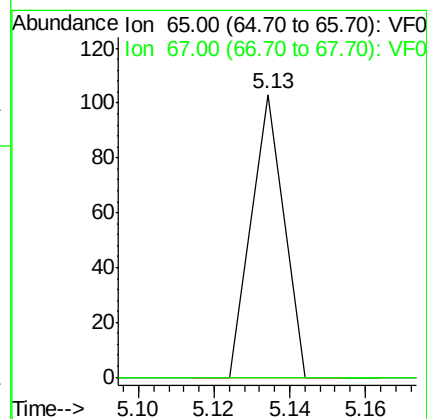
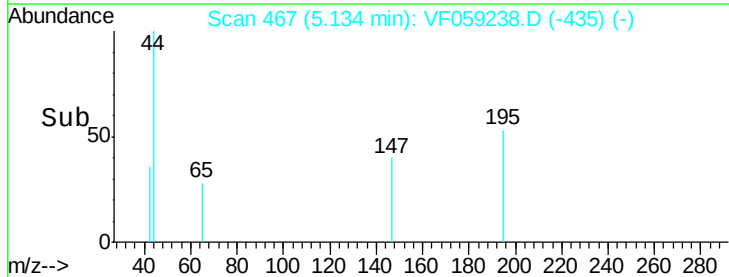
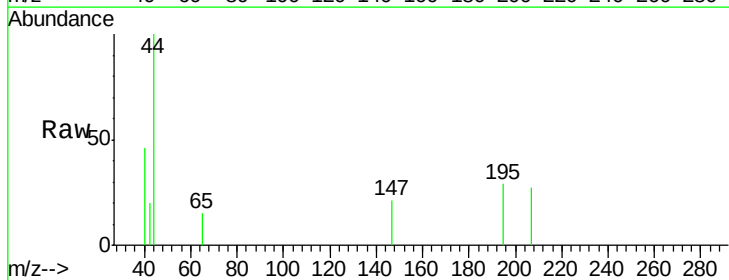
Acq: 20 Jun 2018 20:59

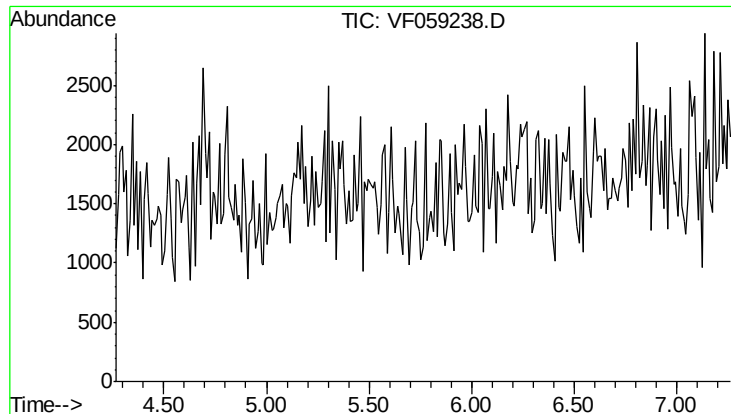
Tgt Ion: 65 Resp: 61

Ion Ratio Lower Upper

65 100

67 0.0 0.0 97.0

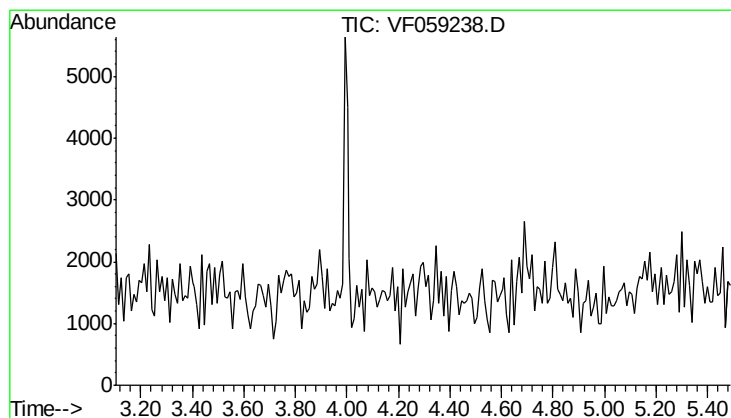
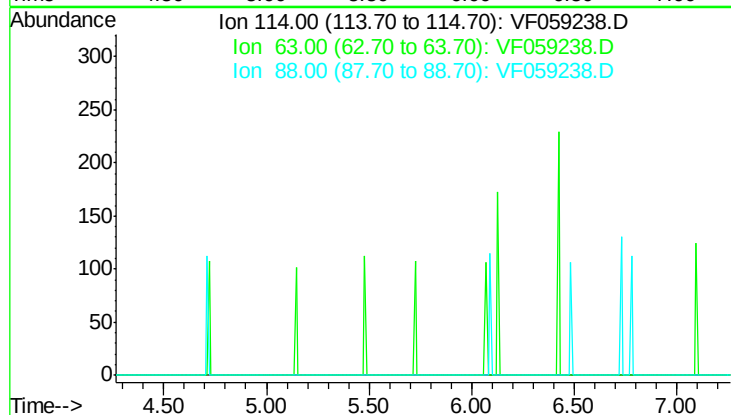




#34  
 1,4-Difluorobenzene  
 Concen: 0.00 ug/l  
 Expected RT: 5.76 min  
 Lab File: VF059238.D  
 Acq: 20 Jun 2018 20:59

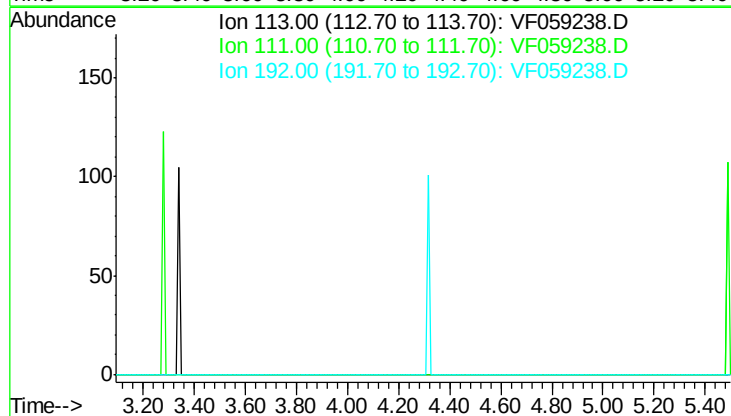
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-13

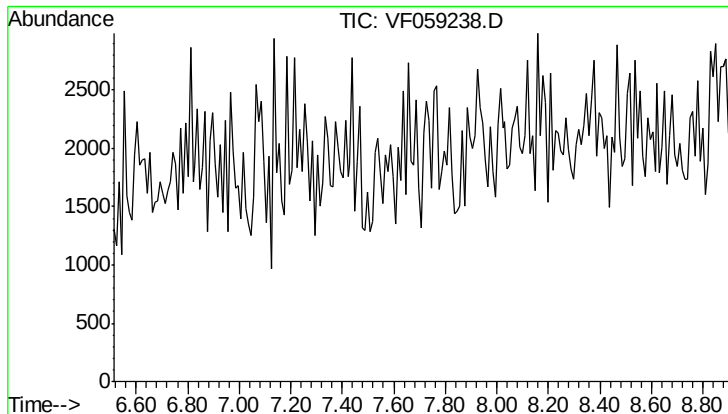
| Tot Ion | 114       |
|---------|-----------|
| Sig     | Exp Ratio |
| 114     | 100       |
| 63      | 20.8      |
| 88      | 19.4      |



#35  
 Dibromofluoromethane  
 Concen: 0.00 ug/l  
 Expected RT: 4.30 min  
 Lab File: VF059238.D  
 Acq: 20 Jun 2018 20:59

| Tgt Ion | 113       |
|---------|-----------|
| Sig     | Exp Ratio |
| 113     | 100       |
| 111     | 101.6     |
| 192     | 15.9      |



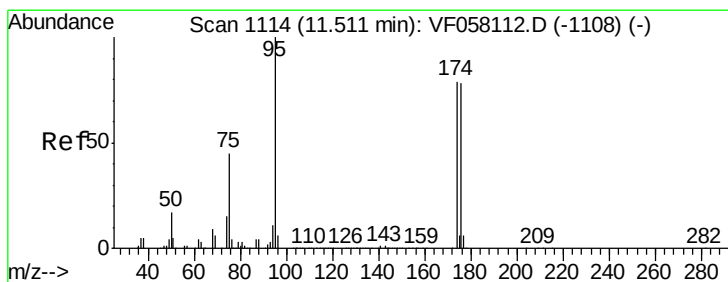
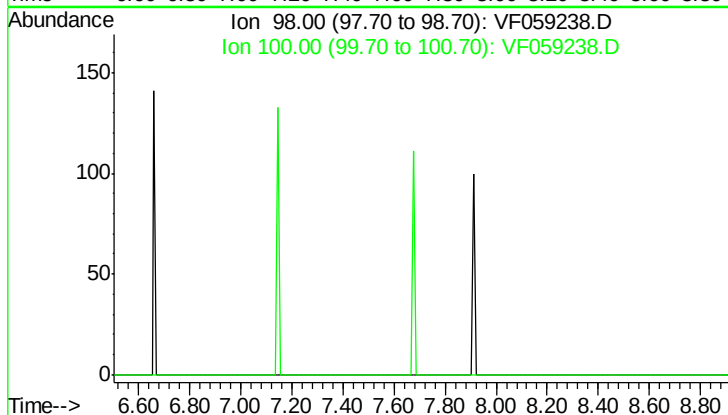


#50  
Toluene-d8  
Concen: 0.00 ug/l  
Expected RT: 7.71 min

Lab File: VF059238.D  
Acq: 20 Jun 2018 20:59

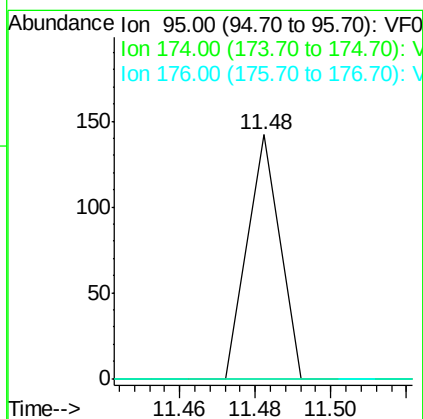
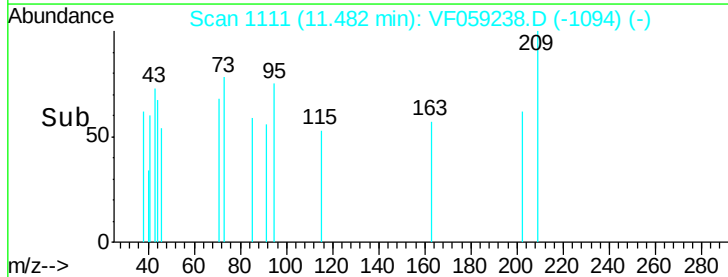
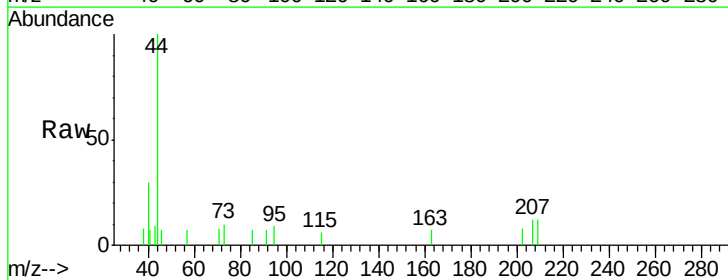
Instrument :  
MSVOA\_F  
ClientSampleId :  
TP-13

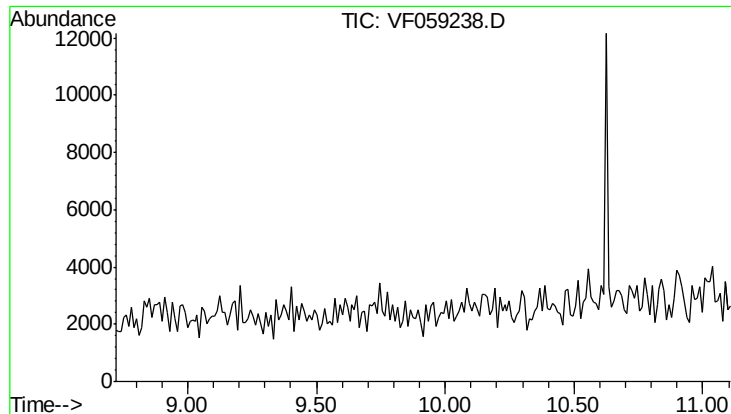
Tot Ion: 98  
Sig Exp Ratio  
98 100  
100 69.5



#62  
4-Bromofluorobenzene  
Concen: 0.00 ug/l  
RT: 11.48 min Scan# 1111  
Delta R.T. -0.03 min  
Lab File: VF059238.D  
Acq: 20 Jun 2018 20:59

Tgt Ion: 95 Resp: 84  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 157.8  
176 0.0 0.0 155.8

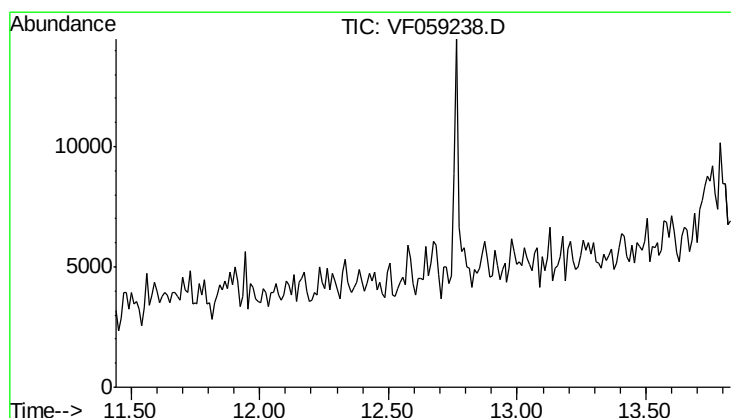
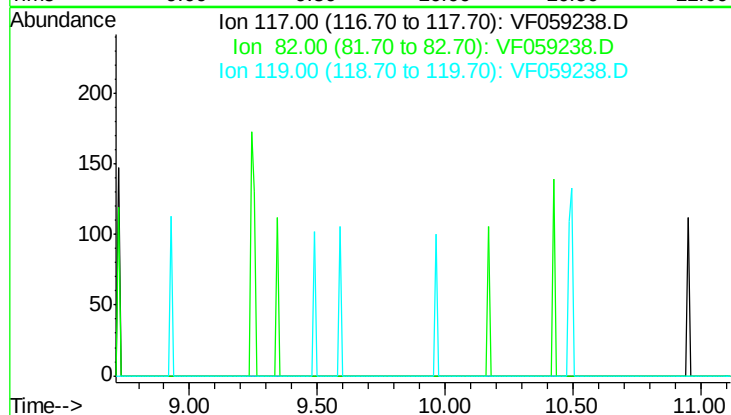




#63  
 Chlorobenzene-d5  
 Concen: 0.00 ug/l  
 Expected RT: 9.91 min  
 Lab File: VF059238.D  
 Acq: 20 Jun 2018 20:59

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 TP-13

Tot Ion: 117  
 Sig Exp Ratio  
 117 100  
 82 56.5  
 119 34.4



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ug/l  
 Expected RT: 12.63 min  
 Lab File: VF059238.D  
 Acq: 20 Jun 2018 20:59

Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 115 57.0  
 150 161.9

