

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012119\  
 Data File : VF061475.D  
 Acq On : 21 Jan 2019 15:57  
 Operator : VA/AP  
 Sample : K1009-07RE  
 Misc : 7.00g/5mL/MSVOA-F/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CL-01-011819-DRE

Quant Time: Jan 22 06:30:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene       | 0.00  | 168  | 0        | 0.00 | ug/l  | -4.86    |
| 34) 1,4-Difluorobenzene     | 0.00  | 114  | 0        | 0.00 | ug/l  | -5.59    |
| 63) Chlorobenzene-d5        | 0.00  | 117  | 0        | 0.00 | ug/l  | -9.77    |
| 72) 1,4-Dichlorobenzene-d4  | 0.00  | 152  | 0        | 0.00 | ug/l  | -12.55   |
| System Monitoring Compounds |       |      |          |      |       |          |
| 33) 1,2-Dichloroethane-d4   | 4.80  | 65   | 60       | 0.00 | ug/l  | -0.03    |
| Spiked Amount 50.000        |       |      | Recovery | =    | 0.00% |          |
| 35) Dibromofluoromethane    | 4.12  | 113  | 59       | 0.00 | ug/l  | 0.02     |
| 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    | 11.41 | 95   | 67       | 0.00 | ug/l  | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =    | 0.00% |          |

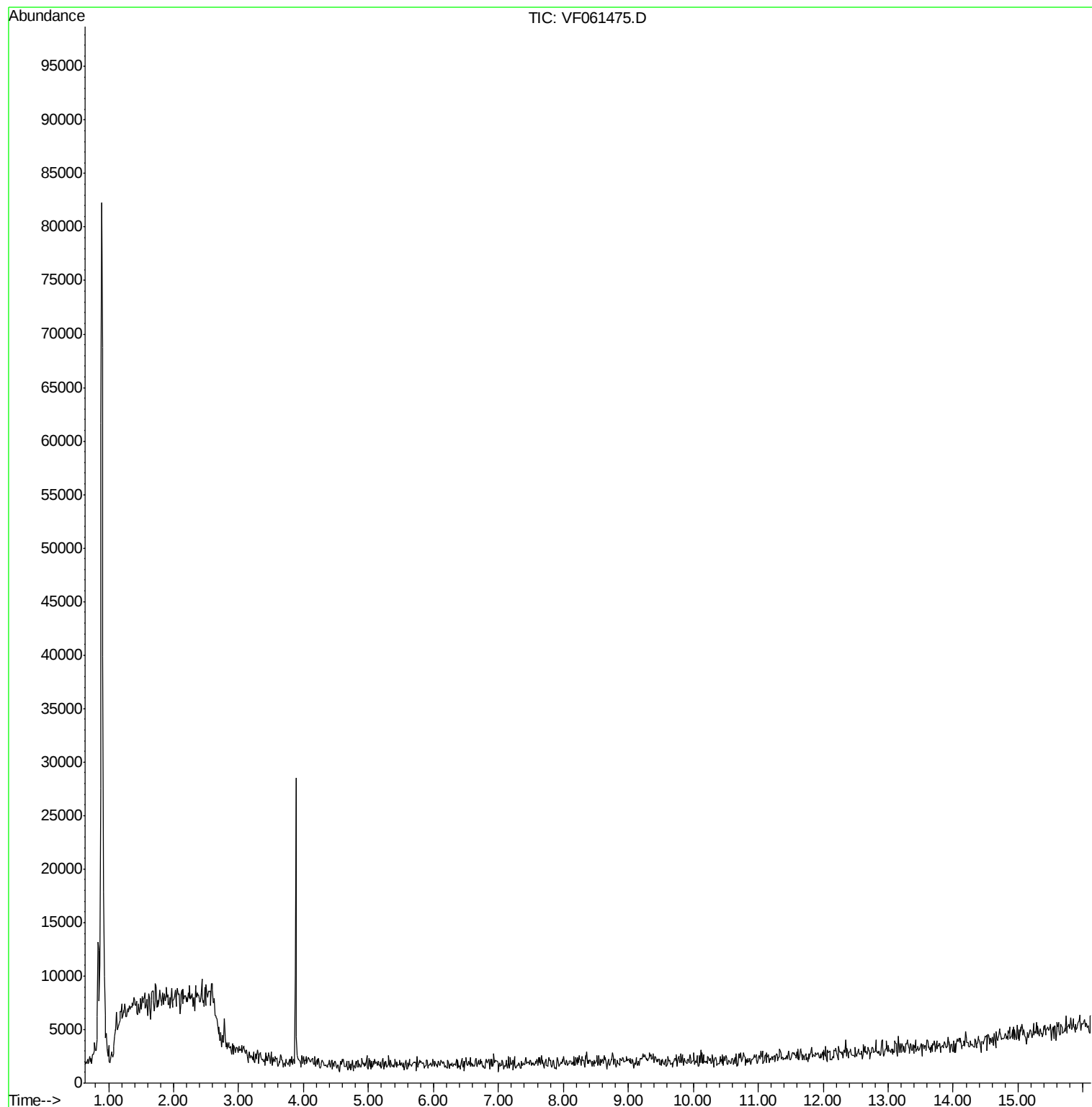
Target Compounds Qvalue

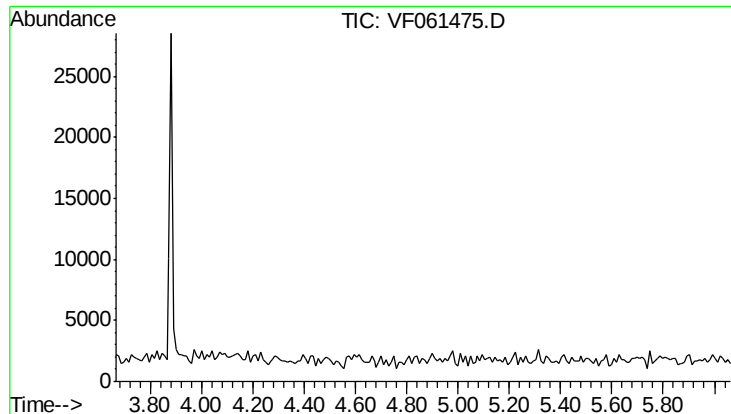
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061475.D

Acq: 21 Jan 2019 15:57

Tot Ion: 168

Sig Exp Ratio

168 100

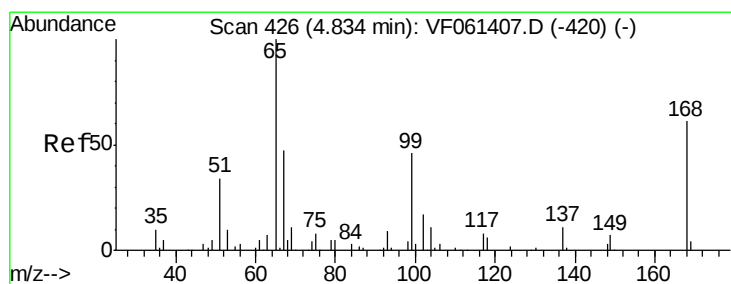
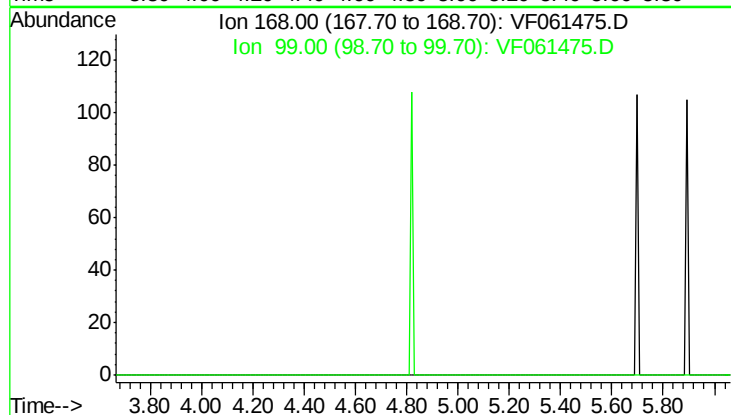
99 66.9

Instrument :

MSVOA\_F

ClientSampleId :

CL-01-011819-DRE



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.80 min Scan# 423

Delta R.T. -0.03 min

Lab File: VF061475.D

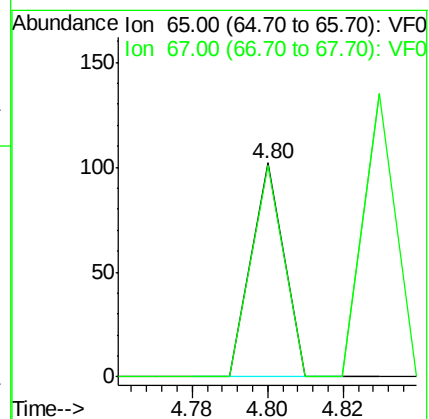
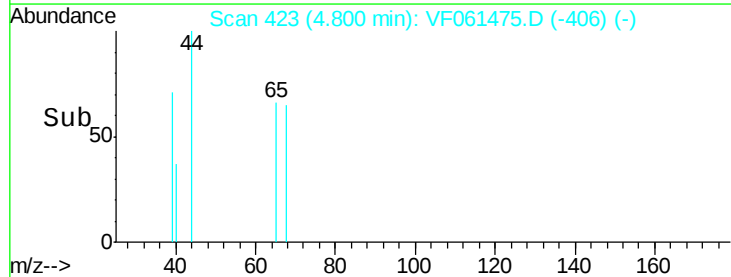
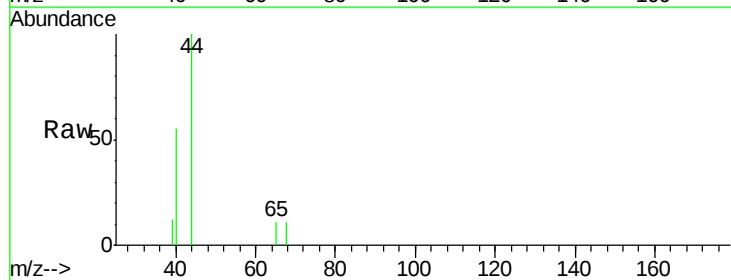
Acq: 21 Jan 2019 15:57

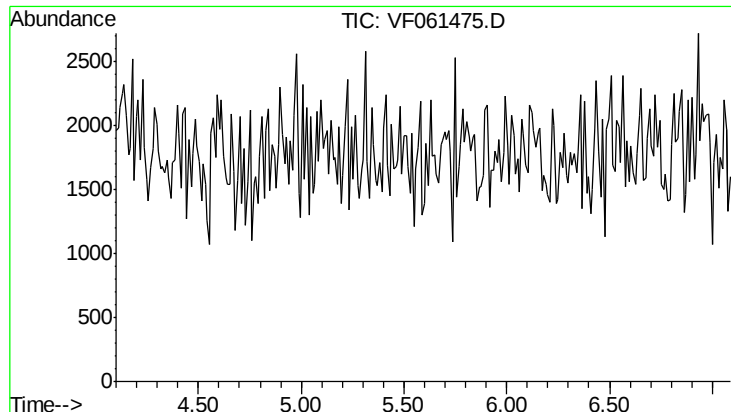
Tgt Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

67 99.0 0.0 99.8

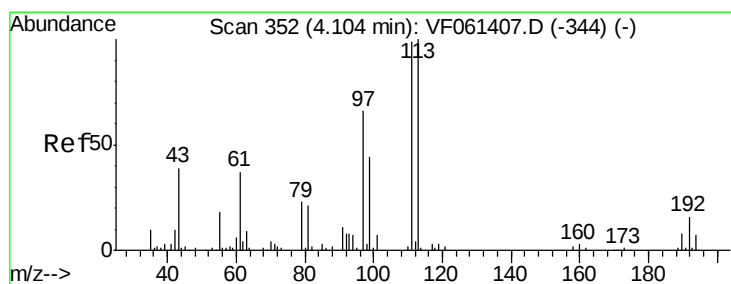
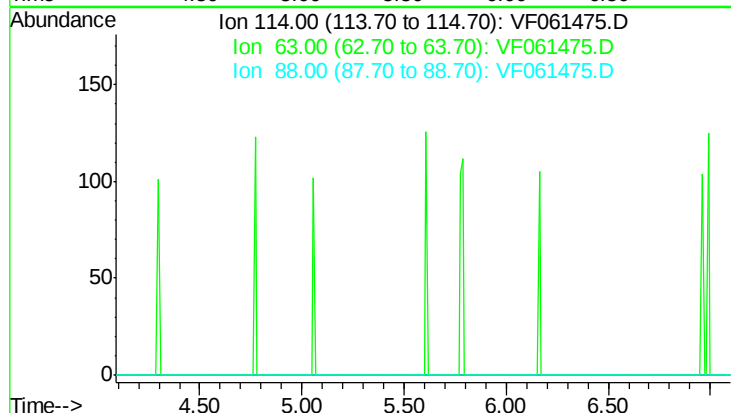




#34  
 1,4-Difluorobenzene  
 Concen: 0.000 ug/l  
 Expected RT: 5.59 min  
 Lab File: VF061475.D  
 Acq: 21 Jan 2019 15:57

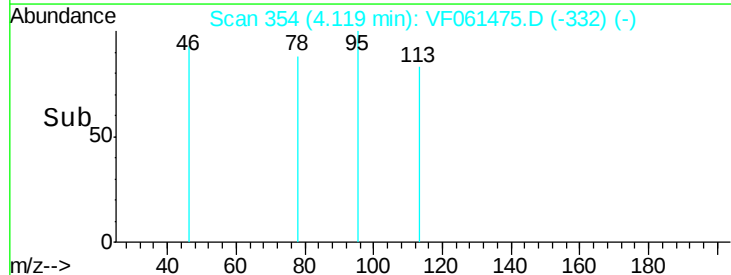
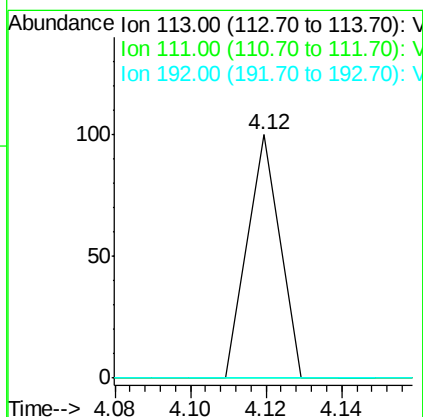
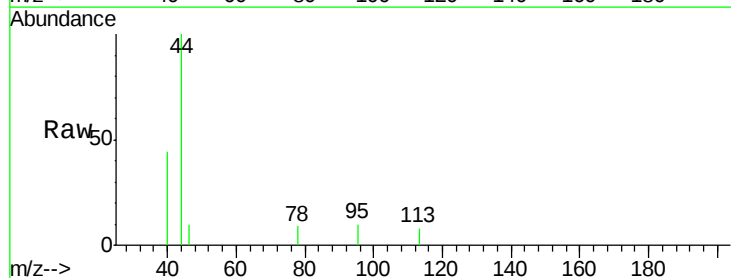
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CL-01-011819-DRE

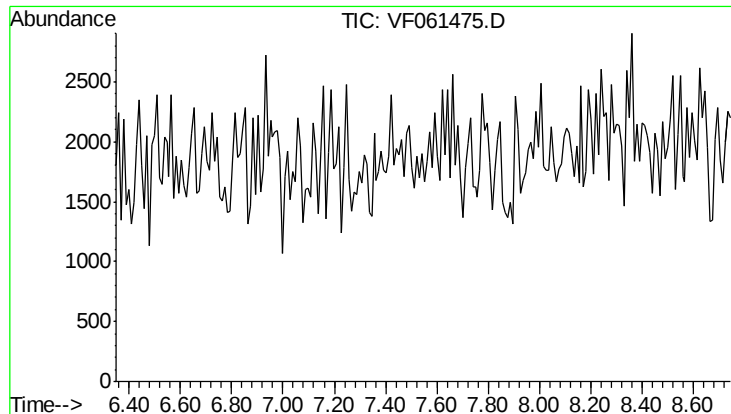
Tot Ion: 114  
 Sig Exp Ratio  
 114 100  
 63 19.5  
 88 18.7



#35  
 Dibromofluoromethane  
 Concen: 0.000 ug/l  
 RT: 4.12 min Scan# 354  
 Delta R.T. 0.02 min  
 Lab File: VF061475.D  
 Acq: 21 Jan 2019 15:57

Tgt Ion: 113 Resp: 59  
 Ion Ratio Lower Upper  
 113 100  
 111 0.0 79.4 119.0#  
 192 0.0 12.4 18.6#



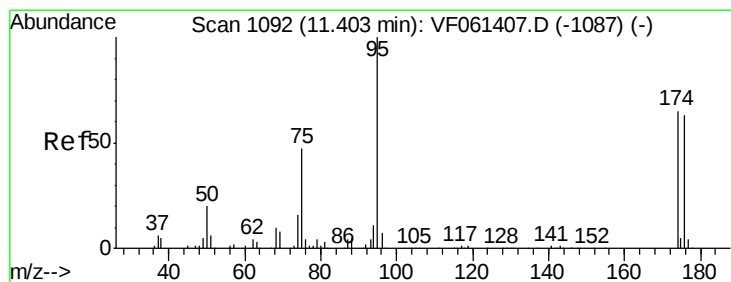
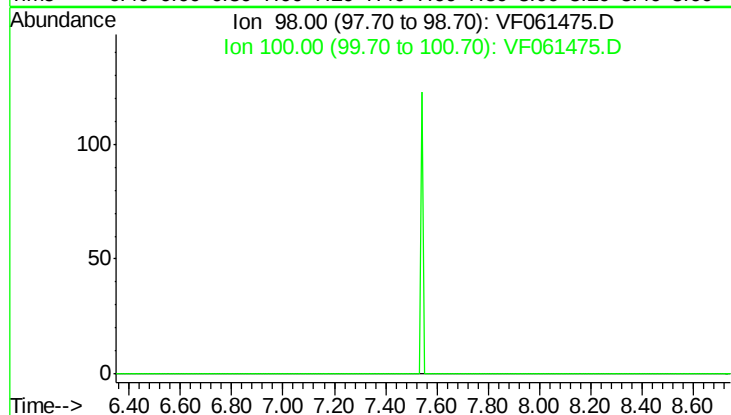


#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 7.55 min

Lab File: VF061475.D  
Acq: 21 Jan 2019 15:57

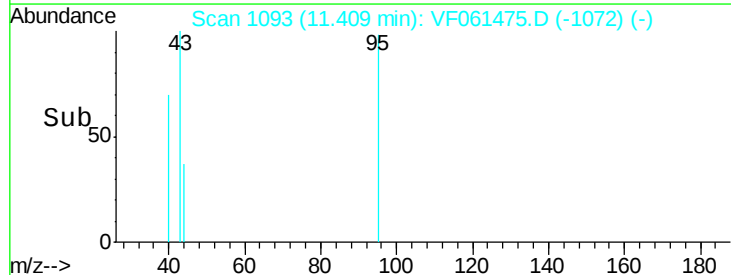
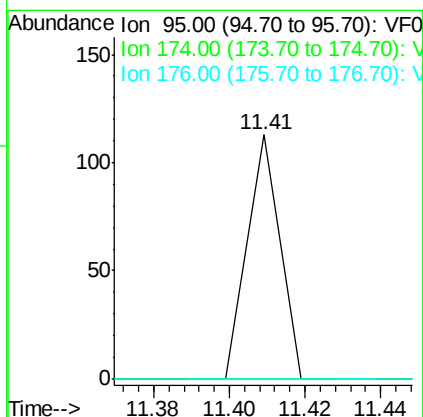
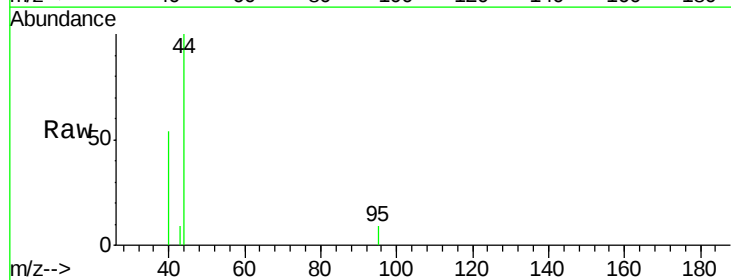
Instrument :  
MSVOA\_F  
ClientSampleId :  
CL-01-011819-DRE

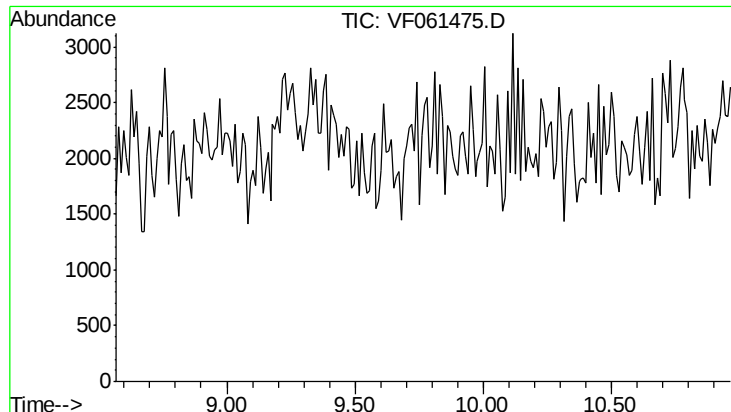
Tot Ion: 98  
Sig Exp Ratio  
98 100  
100 69.5



#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
RT: 11.41 min Scan# 1093  
Delta R.T. 0.01 min  
Lab File: VF061475.D  
Acq: 21 Jan 2019 15:57

Tgt Ion: 95 Resp: 67  
Ion Ratio Lower Upper  
95 100  
174 0.0 0.0 130.4  
176 0.0 0.0 126.2

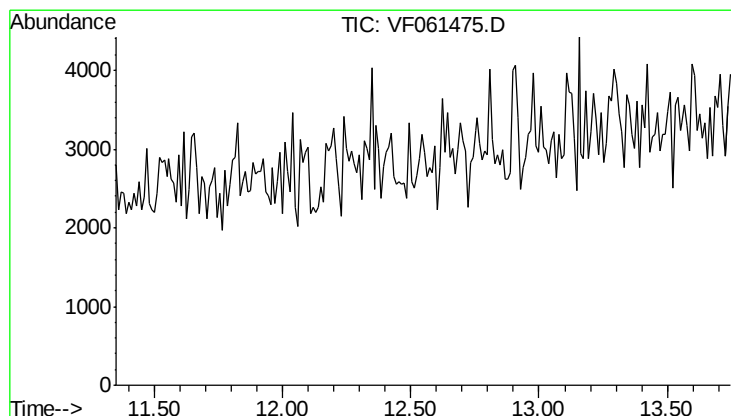
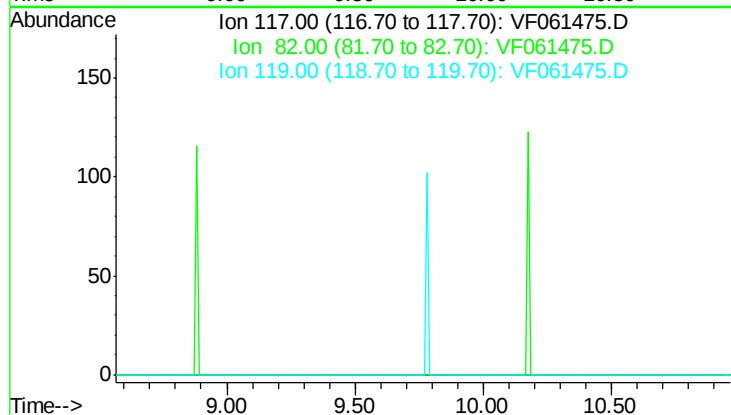




#63  
 Chlorobenzene-d5  
 Concen: 0.000 ug/l  
 Expected RT: 9.77 min  
 Lab File: VF061475.D  
 Acq: 21 Jan 2019 15:57

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 CL-01-011819-DRE

| Tot Ion | 117       |
|---------|-----------|
| Sig     | Exp Ratio |
| 117     | 100       |
| 82      | 58.0      |
| 119     | 34.0      |



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 0.000 ug/l  
 Expected RT: 12.55 min  
 Lab File: VF061475.D  
 Acq: 21 Jan 2019 15:57

| Tgt Ion | 152       |
|---------|-----------|
| Sig     | Exp Ratio |
| 152     | 100       |
| 115     | 60.0      |
| 150     | 160.7     |

