

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021219\  
 Data File : VF061612.D  
 Acq On : 12 Feb 2019 16:46  
 Operator : VA/AP  
 Sample : K1343-11  
 Misc : 6.91g/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 JC-02-021119-F

Quant Time: Feb 13 02:50:06 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 |        | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|------|----------|------|-------|----------|
| 33) 1,2-Dichloroethane-d4   |        | 4.78 | 65   | 69       | 0.00 | ug/l  | -0.05    |
| 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              |        | 7.51 | 98   | 89       | 0.00 | ug/l  | -0.03    |
| Spiked Amount               | 50.000 |      |      | Recovery | =    | 0.00% |          |
| 62) 4-Bromofluorobenzene    |        | 0.00 | 95   | 0        | 0.00 | ug/l  |          |
| Spiked Amount               | 50.000 |      |      | Recovery | =    | 0.00% |          |

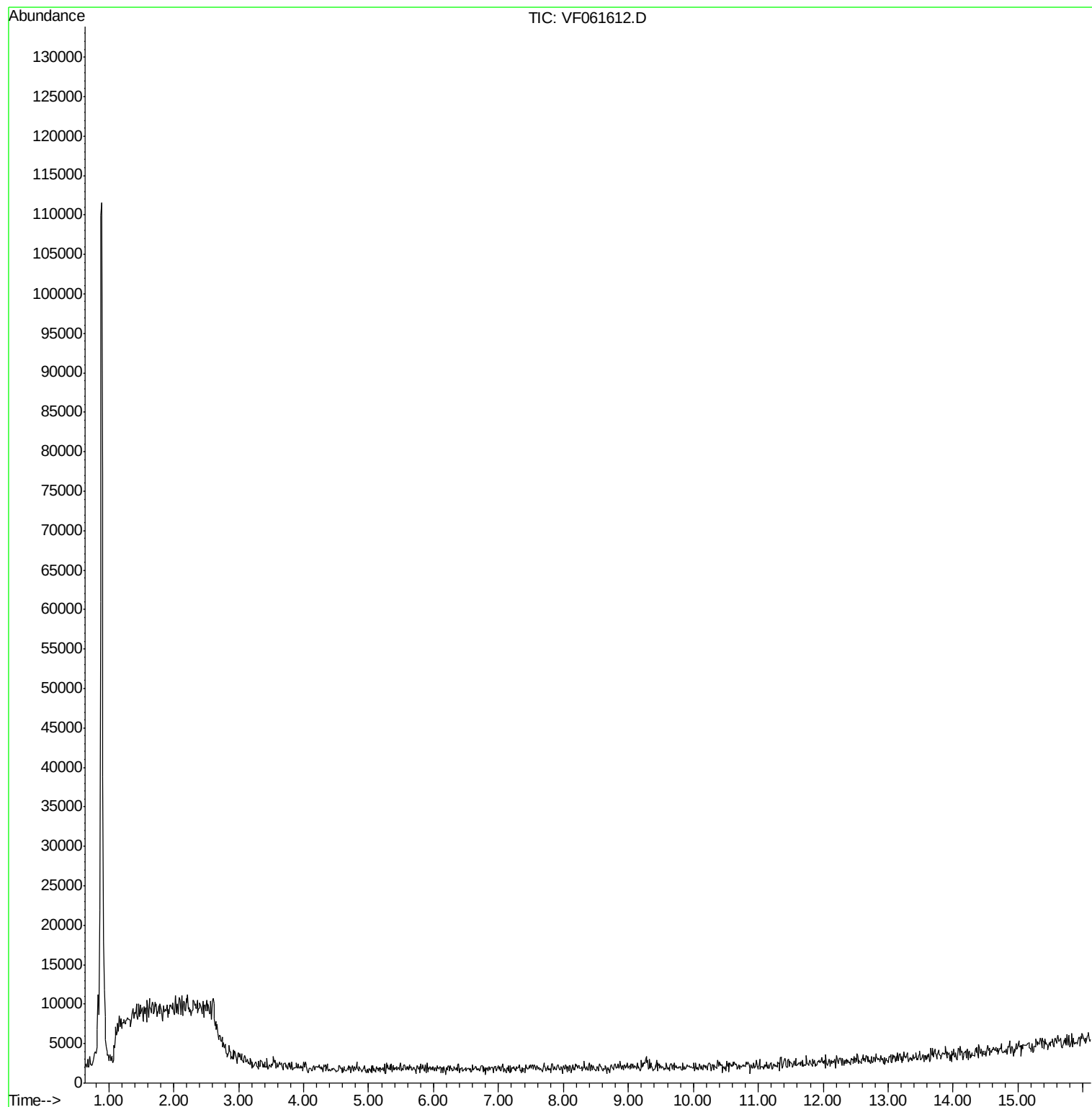
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

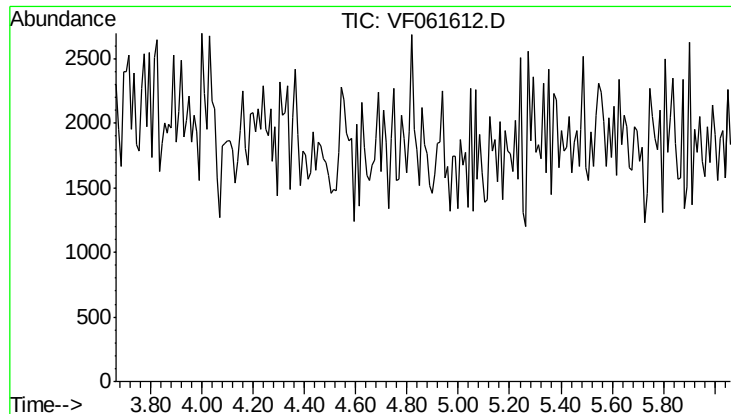
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF021219\  
Data File : VF061612.D  
Acq On : 12 Feb 2019 16:46  
Operator : VA/AP  
Sample : K1343-11  
Misc : 6.91g/5mL/MSVOA-F/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_F  
ClientSampleId :  
JC-02-021119-F

Quant Time: Feb 13 02:50:06 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 16 04:51:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 4.86 min

Lab File: VF061612.D

Acq: 12 Feb 2019 16:46

Tot Ion: 168

Sig Exp Ratio

168 100

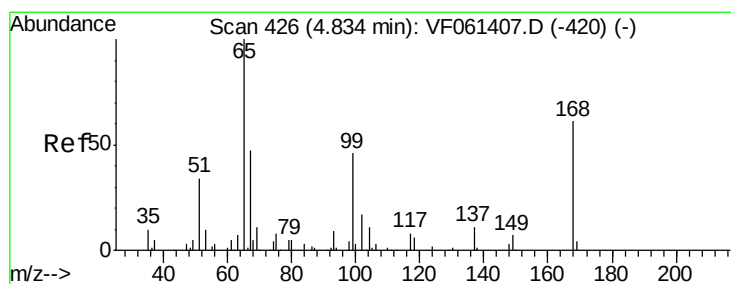
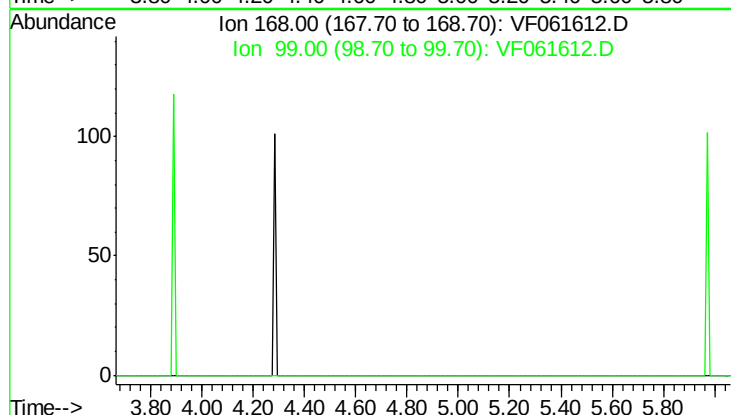
99 66.9

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-021119-F



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 4.78 min Scan# 421

Delta R.T. -0.05 min

Lab File: VF061612.D

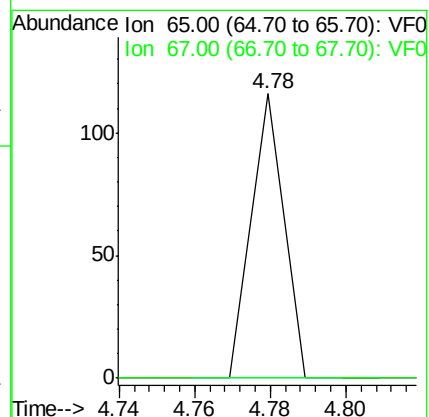
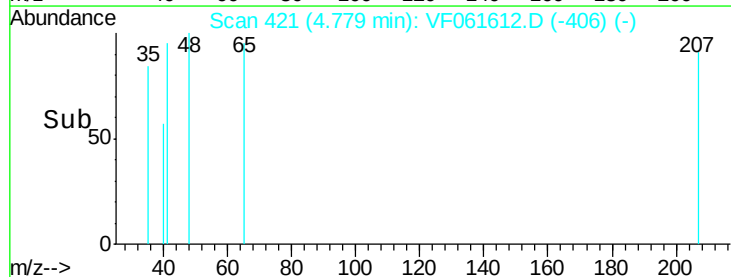
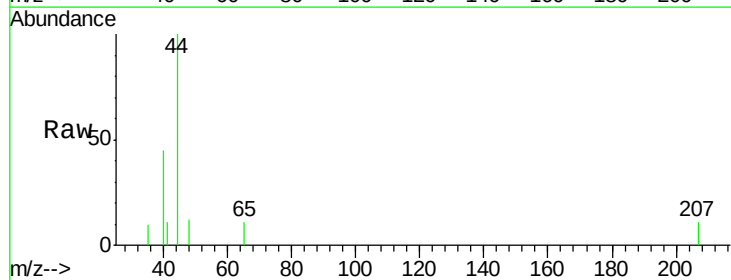
Acq: 12 Feb 2019 16:46

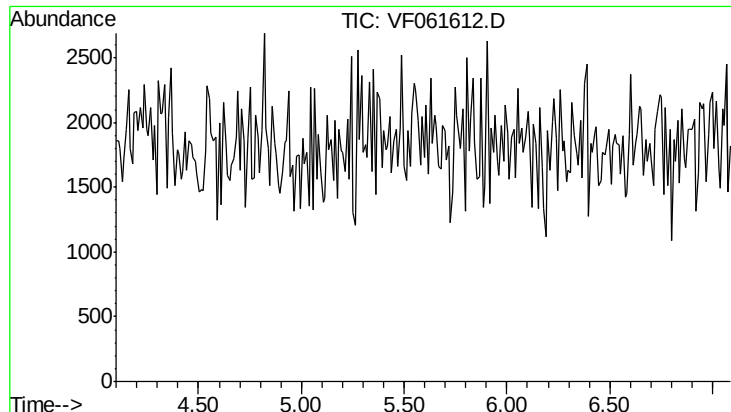
Tgt Ion: 65 Resp: 69

Ion Ratio Lower Upper

65 100

67 0.0 0.0 99.8





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 5.59 min

Lab File: VF061612.D

Acq: 12 Feb 2019 16:46

Tot Ion: 114

Sig Exp Ratio

114 100

63 19.5

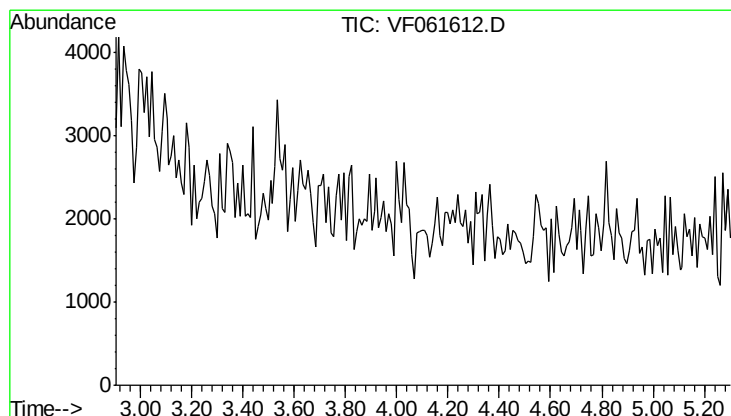
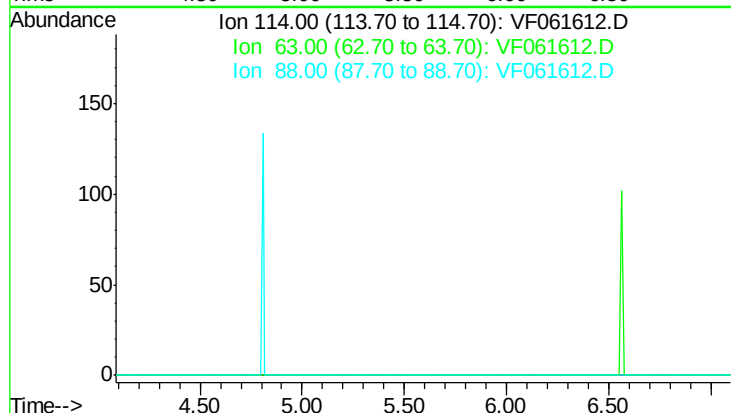
88 18.7

Instrument :

MSVOA\_F

ClientSampleId :

JC-02-021119-F



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 4.10 min

Lab File: VF061612.D

Acq: 12 Feb 2019 16:46

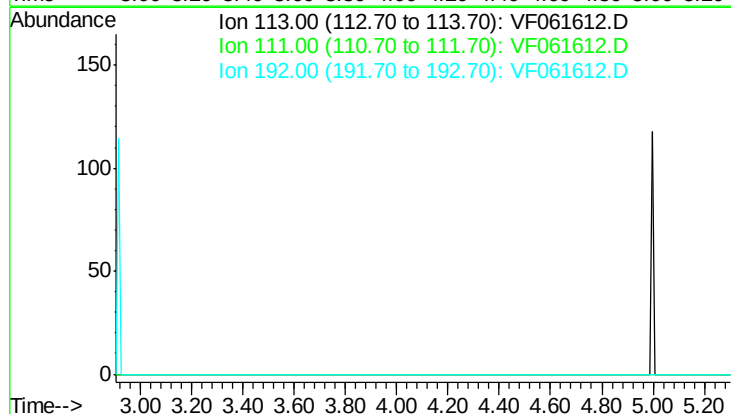
Tgt Ion: 113

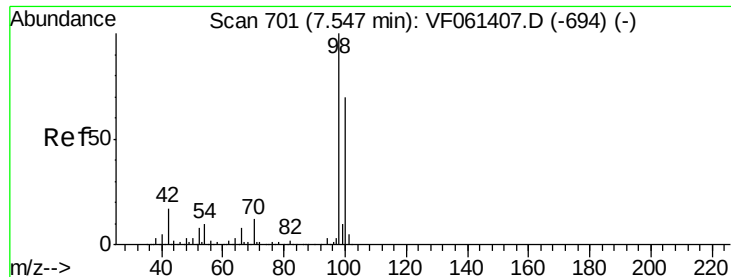
Sig Exp Ratio

113 100

111 99.2

192 15.5





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 7.51 min Scan# 698

Delta R.T. -0.03 min

Lab File: VF061612.D

Acq: 12 Feb 2019 16:46

Instrument :

MSVOA\_F

ClientSampleId :

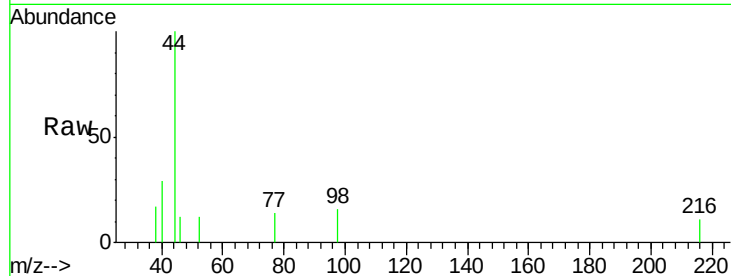
JC-02-021119-F

Tot Ion: 98 Resp: 89

Ion Ratio Lower Upper

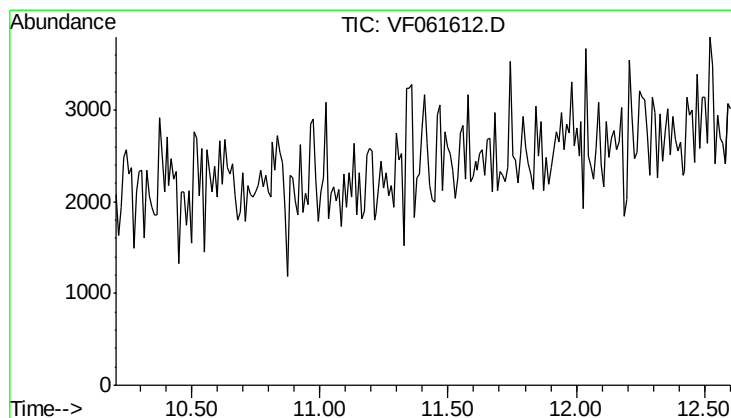
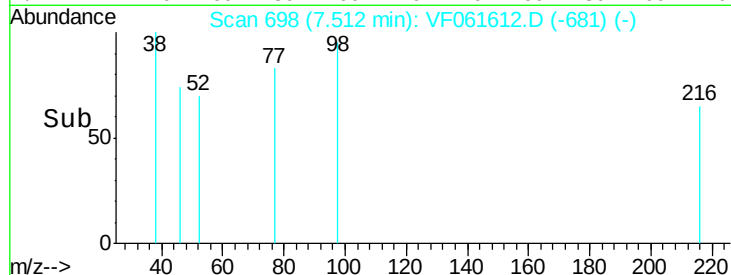
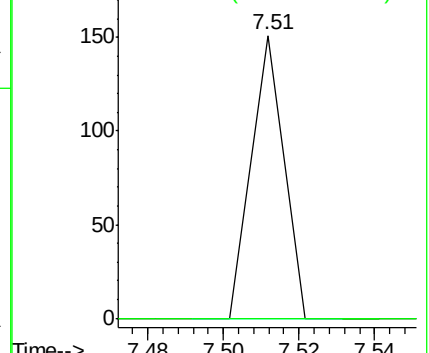
98 100

100 0.0 55.6 83.4#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 11.40 min

Lab File: VF061612.D

Acq: 12 Feb 2019 16:46

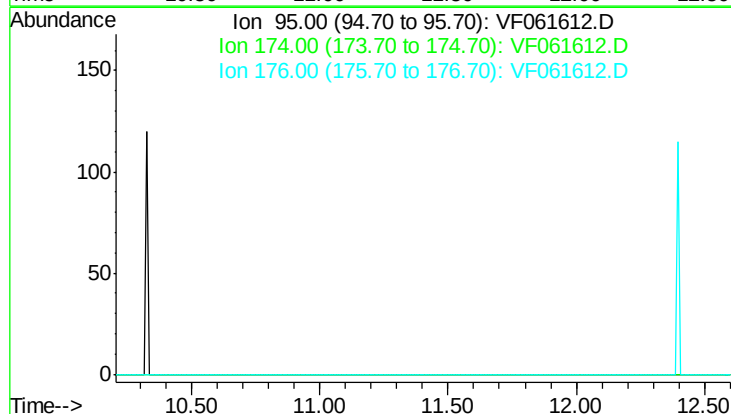
Tgt Ion: 95

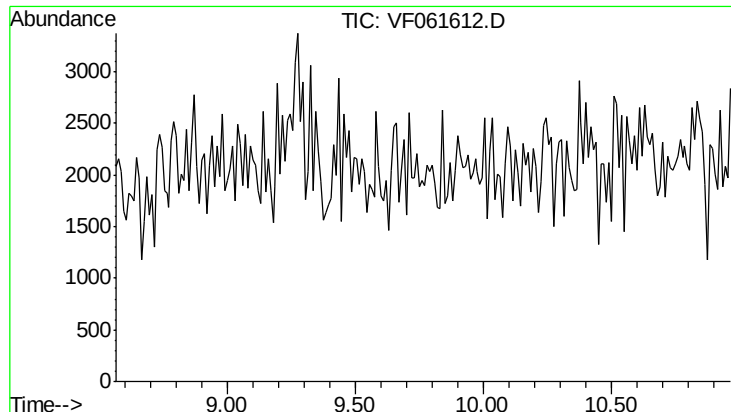
Sig Exp Ratio

95 100

174 65.2

176 63.1



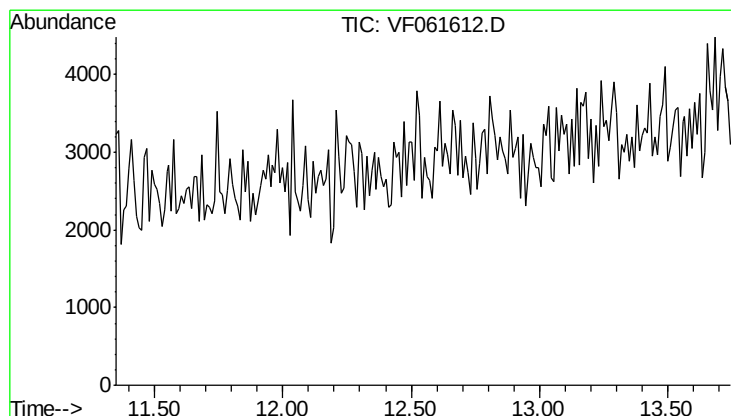
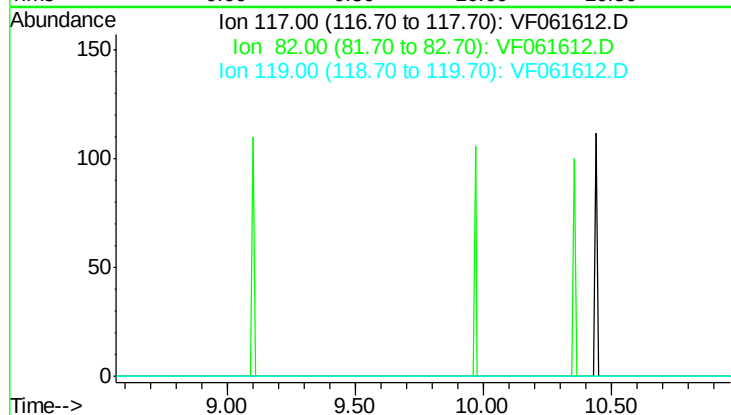


#63  
 Chlorobenzene-d5  
 Concen: 0.000 ug/l  
 Expected RT: 9.77 min

Lab File: VF061612.D  
 Acq: 12 Feb 2019 16:46

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 JC-02-021119-F

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: VF061612.D  
 Acq: 12 Feb 2019 16:46

Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 115 60.0  
 150 160.7

