

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082718\  
 Data File : VF060138.D  
 Acq On : 27 Aug 2018 21:21  
 Operator : VA/AP  
 Sample : J4648-02  
 Misc : 7.27g/5mL/MSVOA F/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SB-1-@-8-FT

Quant Time: Aug 28 01:15:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F082118S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 04:43:43 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  | -5.05    |
| 34) 1,4-Difluorobenzene    | 0.00 | 114  | 0        | 0.00 | ug/l  | -5.78    |
| 63) Chlorobenzene-d5       | 0.00 | 117  | 0        | 0.00 | ug/l  | -9.93    |
| 72) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00 | ug/l  | -12.64   |

| System Monitoring Compounds | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|------|------|----------|------|-------|----------|
| 33) 1,2-Dichloroethane-d4   | 0.00 | 65   | 0        | 0.00 | ug/l  |          |
| 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    | 0.00 | 95   | 0        | 0.00 | ug/l  |          |
| Spiked Amount 50.000        |      |      | Recovery | =    | 0.00% |          |

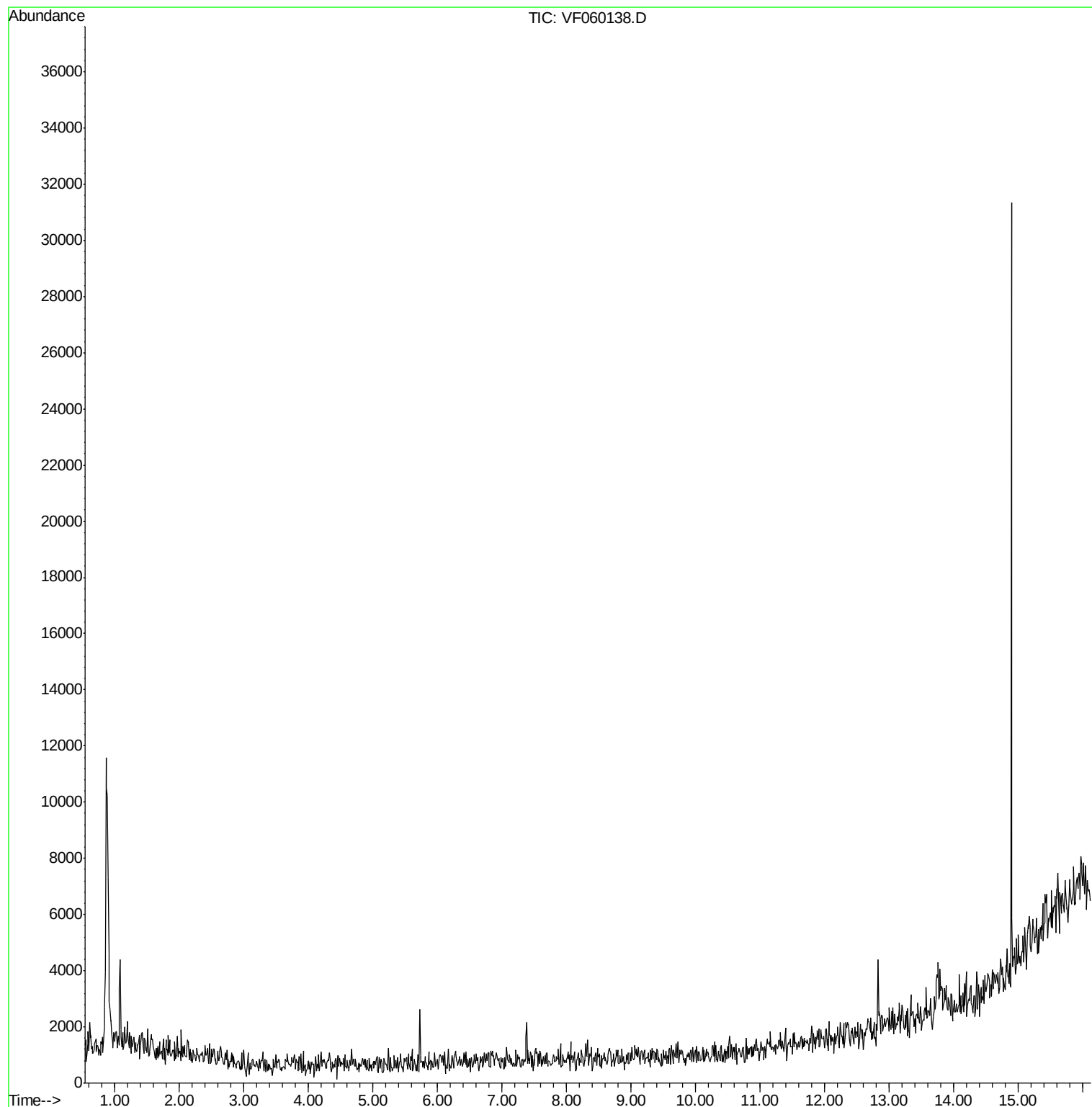
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

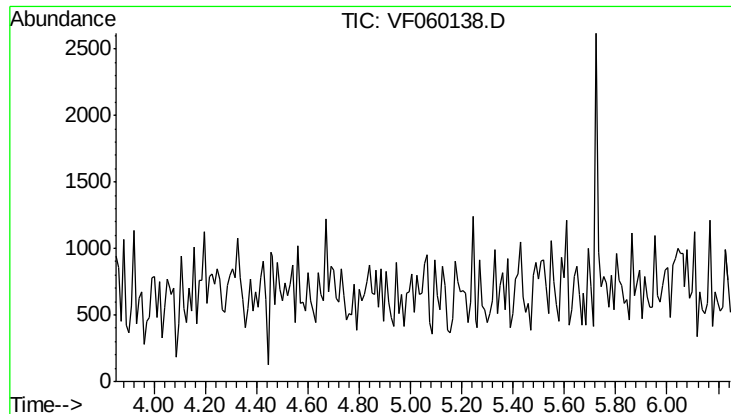
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.05 min

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Acq: 27 Aug 2018 21:21

Instrument :

MSVOA\_F

ClientSampleId :

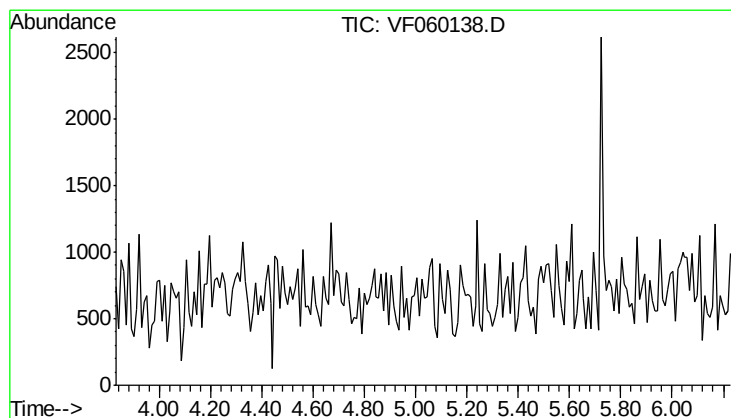
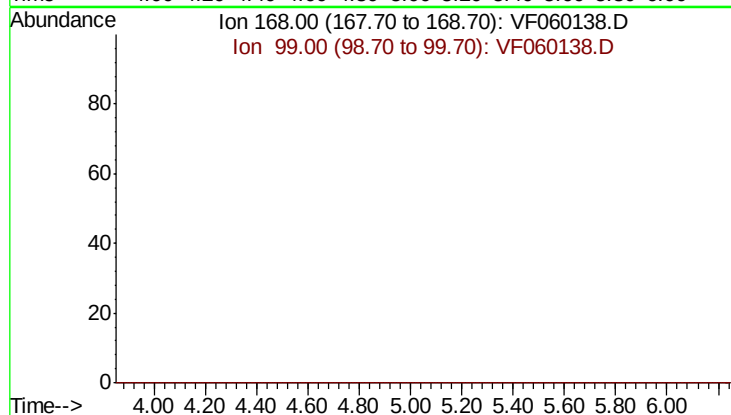
SB-1-@-8-FT

Tot Ion: 168

Sig Exp Ratio

168 100

99 65.8



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 5.03 min

Lab File: VF060138.D

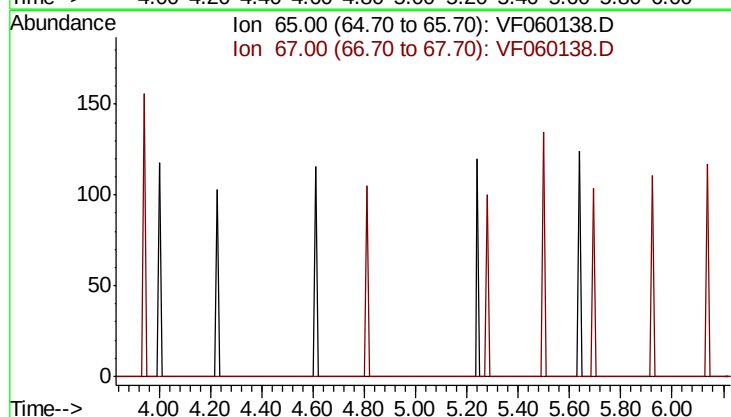
Acq: 27 Aug 2018 21:21

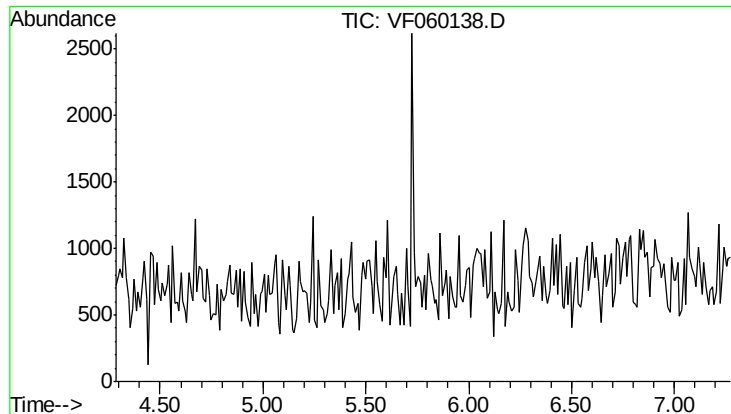
Tgt Ion: 65

Sig Exp Ratio

65 100

67 46.0





#34

1,4-Difluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.78 min

Lab File: VF060138.D

Acq: 27 Aug 2018 21:21

Instrument :

MSVOA\_F

ClientSampleId :

SB-1-@-8-FT

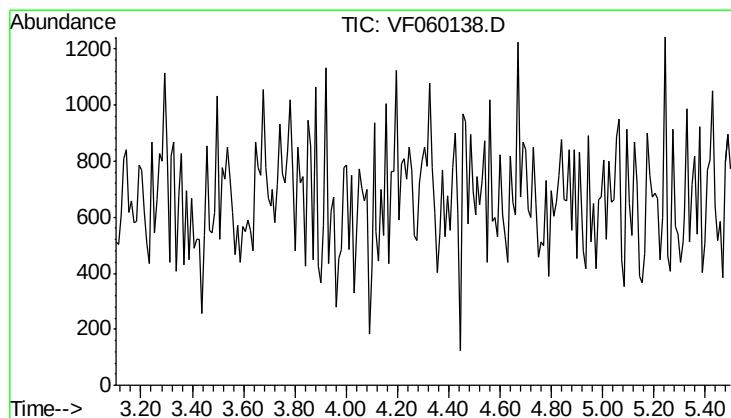
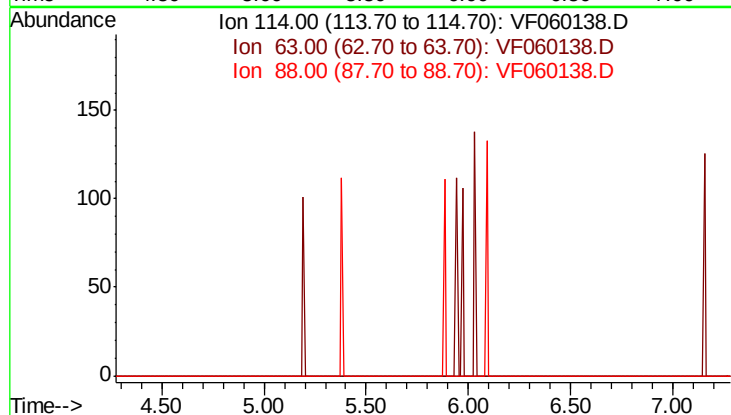
Tot Ion: 114

Sig Exp Ratio

114 100

63 20.2

88 19.3



#35

Dibromofluoromethane

Concen: 0.00 ug/l

Expected RT: 4.30 min

Lab File: VF060138.D

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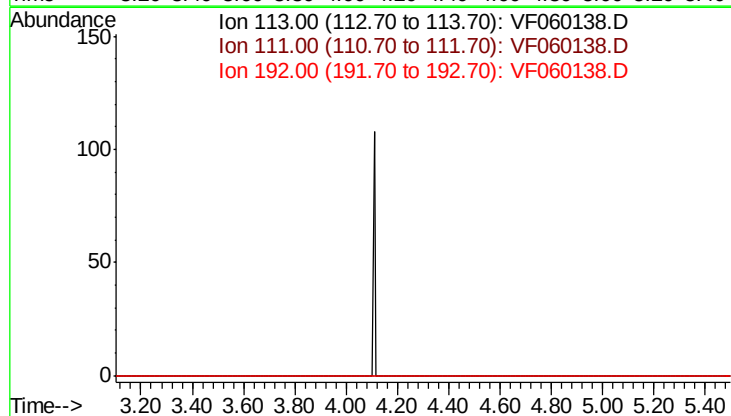
Tgt Ion: 113

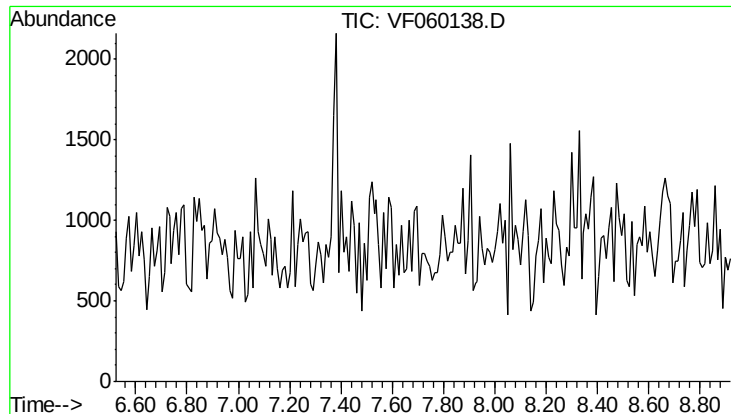
Sig Exp Ratio

113 100

111 103.4

192 16.2

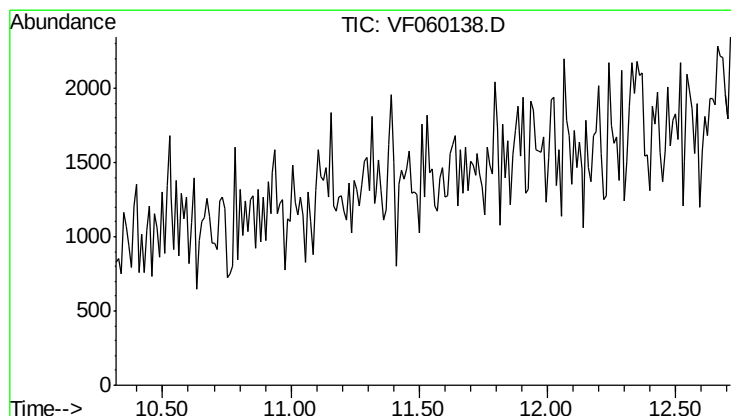
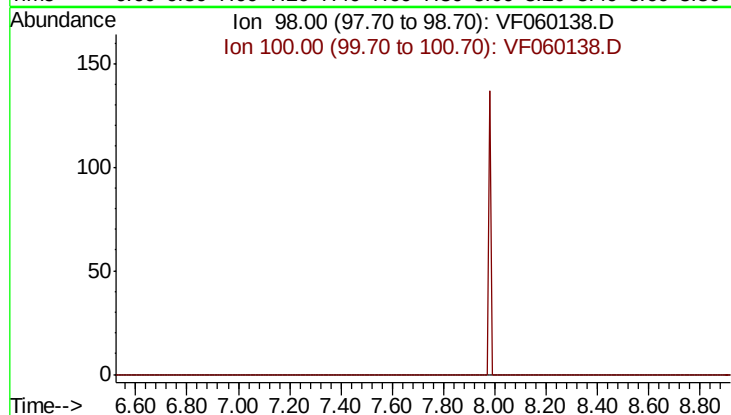




#50  
Toluene-d8  
Concen: 0.00 ug/l  
Expected RT: 7.72 min  
Lab File: VF060138.D  
Acq: 27 Aug 2018 21:21

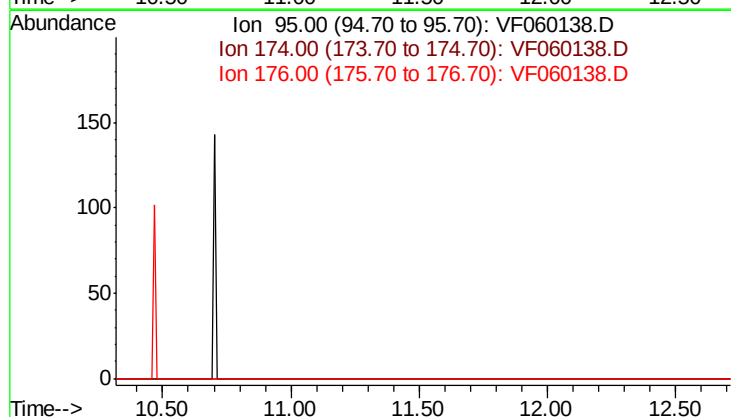
Instrument :  
MSVOA\_F  
ClientSampleId :  
SB-1-@-8-FT

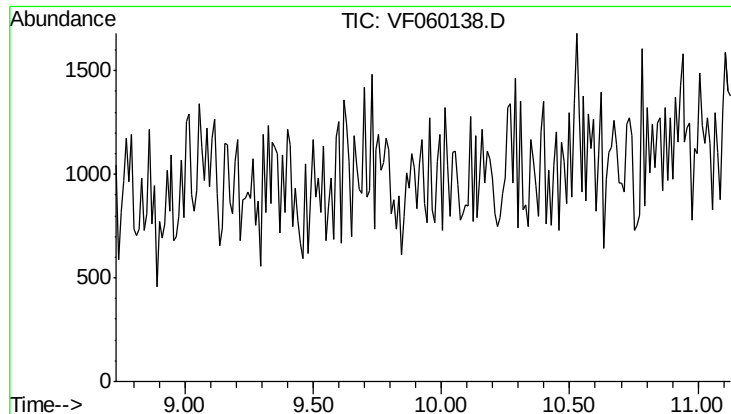
| Tot Ion | 98        |
|---------|-----------|
| Sig     | Exp Ratio |
| 98      | 100       |
| 100     | 66.5      |



#62  
4-Bromofluorobenzene  
Concen: 0.00 ug/l  
Expected RT: 11.52 min  
Lab File: VF060138.D  
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| Tgt Ion | 95        |
|---------|-----------|
| Sig     | Exp Ratio |
| 95      | 100       |
| 174     | 79.2      |
| 176     | 76.5      |

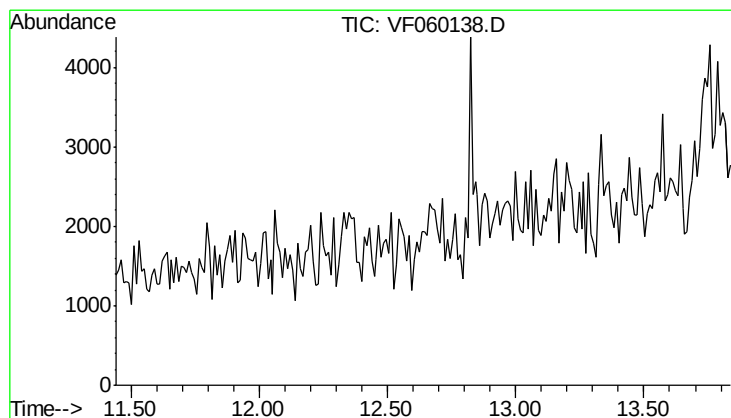
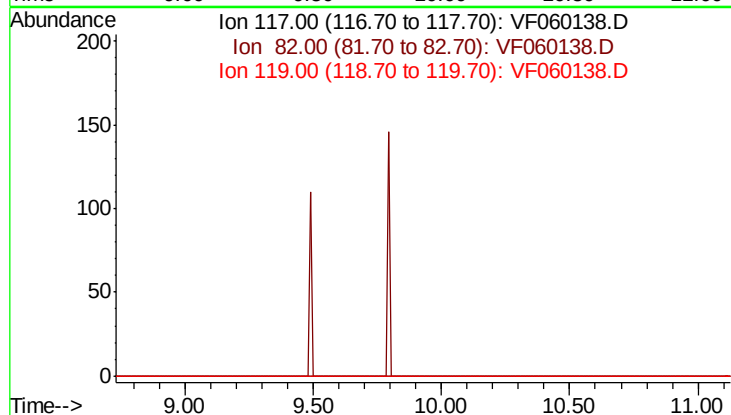




#63  
 Chlorobenzene-d5  
 Concen: 0.00 ug/l  
 Expected RT: 9.93 min  
 Lab File: VF060138.D  
 Acq: 27 Aug 2018 21:21

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SB-1-@-8-FT

Tot Ion: 117  
 Sig Exp Ratio  
 117 100  
 82 54.5  
 119 32.0



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 0.00 ug/l  
 Expected RT: 12.64 min  
 Lab File: VF060138.D  
 Acq: 27 Aug 2018 21:21

Tgt Ion: 152  
 Sig Exp Ratio  
 152 100  
 115 57.3  
 150 156.0

