

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081018\  
 Data File : VF059942.D  
 Acq On : 10 Aug 2018 14:05  
 Operator : VA/AP  
 Sample : J4388-02RE  
 Misc : 5.20g/5mL/MSVOA F/SOIL  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 S-1BRE

Quant Time: Aug 10 23:04:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F080418S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 04 07:08:36 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  | -5.77    |
| 63) Chlorobenzene-d5       | 10.03 | 117  | 70       | 50.00 | ug/l  | 0.11     |
| 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   | 0.00 | 65   | 0        | 0.00 | ug/l  |          |
| Spiked Amount               |      |      |          |      |       |          |
|                             |      |      | Recovery | =    | 0.00% |          |
| 35) Dibromofluoromethane    | 0.00 | 113  | 0        | 0.00 | ug/l  |          |
| Spiked Amount               |      |      |          |      |       |          |
|                             |      |      | Recovery | =    | 0.00% |          |
| 50) Toluene-d8              | 0.00 | 98   | 0        | 0.00 | ug/l  |          |
| Spiked Amount               |      |      |          |      |       |          |
|                             |      |      | Recovery | =    | 0.00% |          |
| 62) 4-Bromofluorobenzene    | 0.00 | 95   | 0        | 0.00 | ug/l  |          |
| Spiked Amount               |      |      |          |      |       |          |
|                             |      |      | Recovery | =    | 0.00% |          |

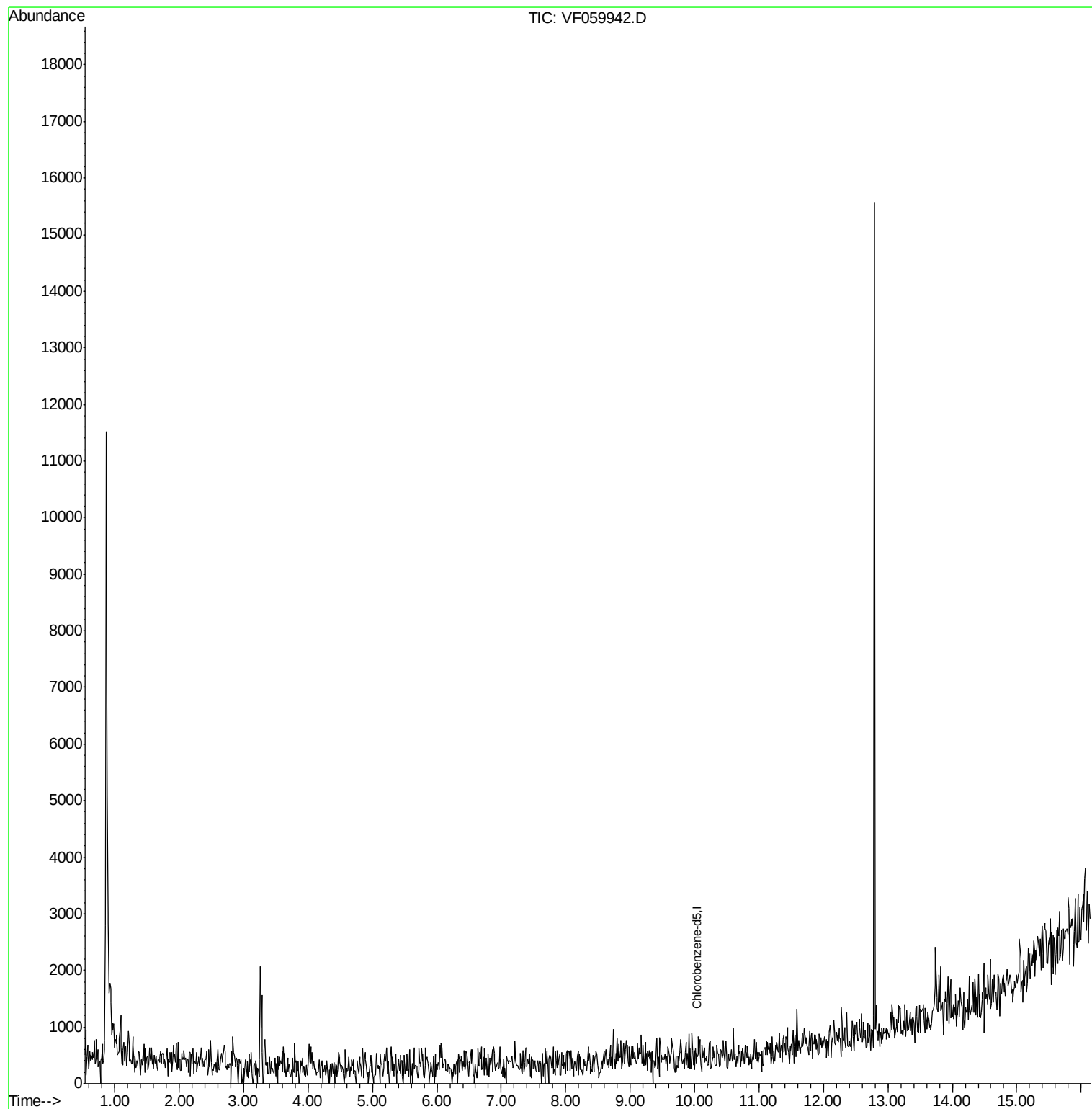
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

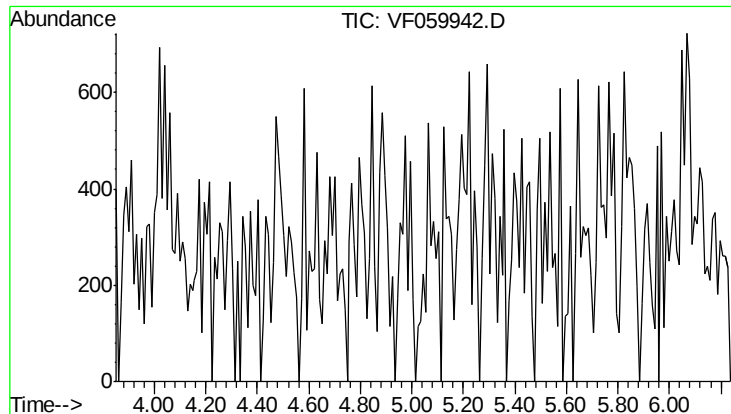
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.00 ug/l

Expected RT: 5.04 min

Lab File: VF059942.D

Acq: 10 Aug 2018 14:05

Instrument :

MSVOA\_F

ClientSampleId :

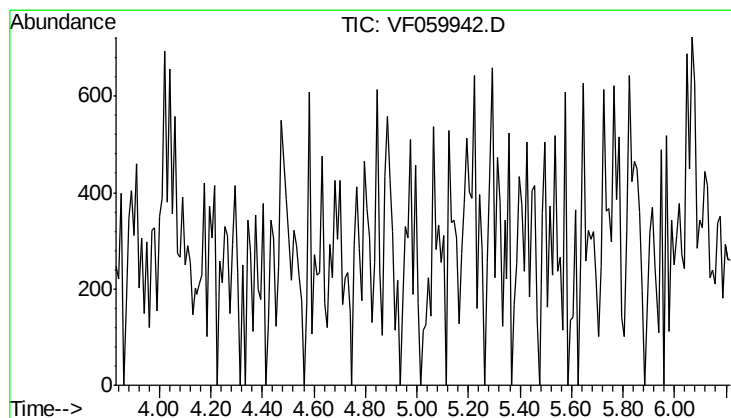
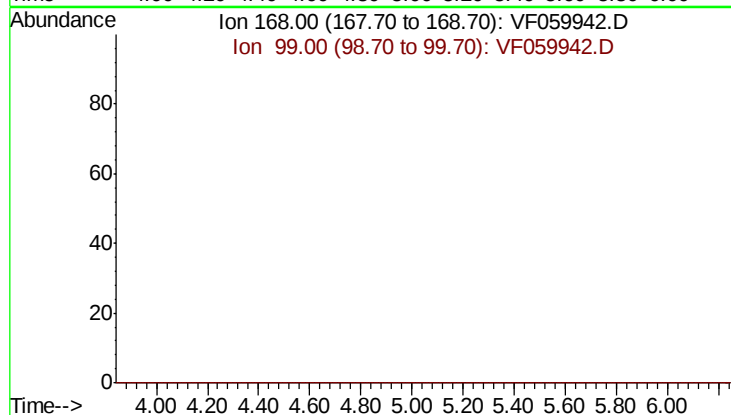
S-1BRE

Tot Ion: 168

Sig Exp Ratio

168 100

99 82.9



#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 5.02 min

Lab File: VF059942.D

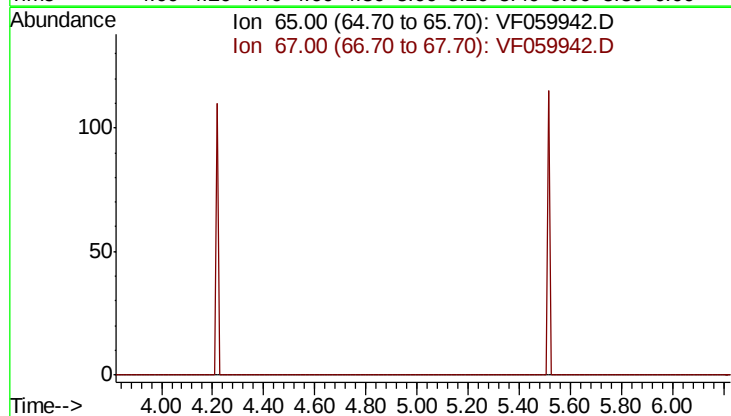
Acq: 10 Aug 2018 14:05

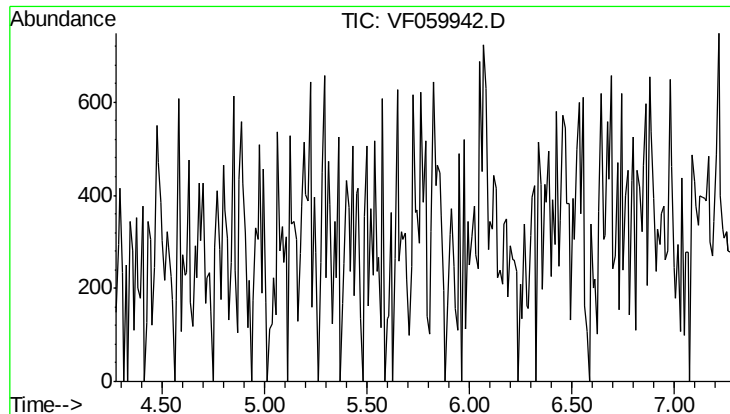
Tgt Ion: 65

Sig Exp Ratio

65 100

67 38.6

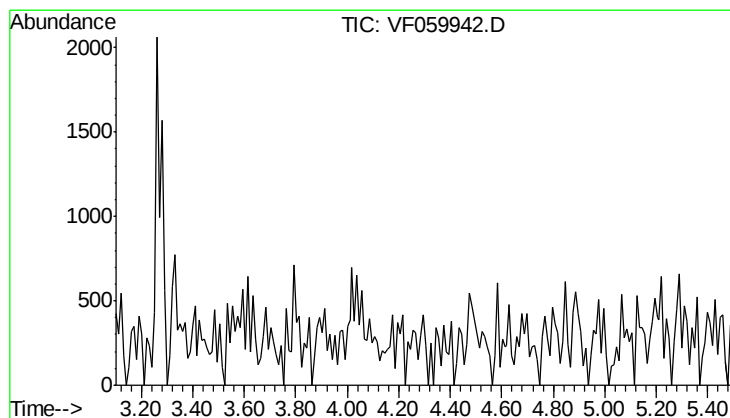
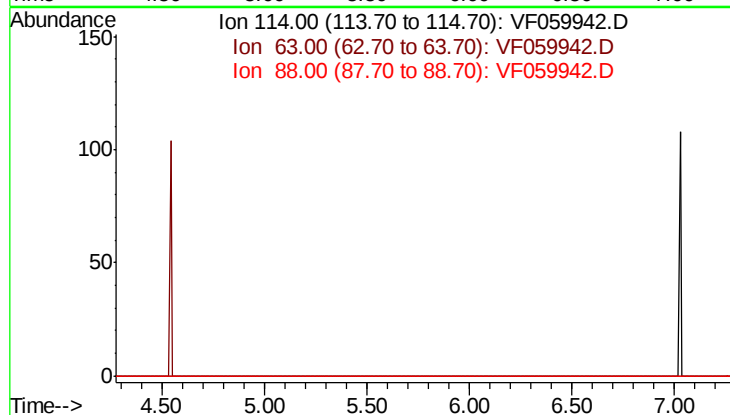




#34  
 1,4-Difluorobenzene  
 Concen: 0.00 ug/l  
 Expected RT: 5.77 min  
 Lab File: VF059942.D  
 Acq: 10 Aug 2018 14:05

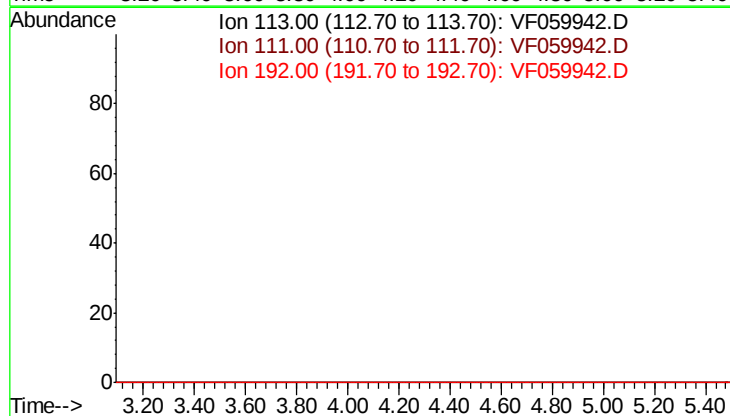
Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 S-1BRE

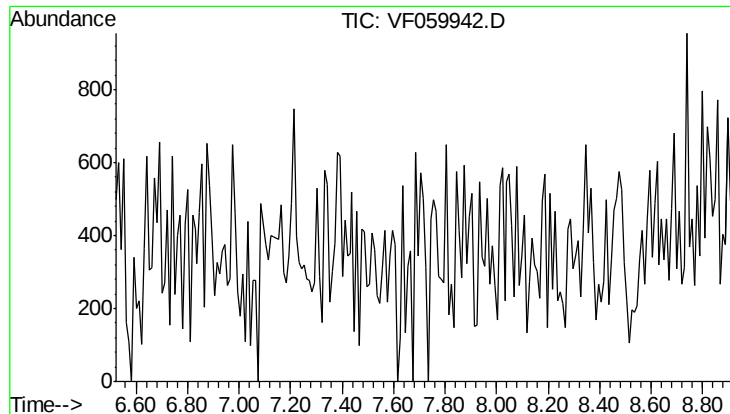
Tot Ion: 114  
 Sig Exp Ratio  
 114 100  
 63 24.0  
 88 19.7



#35  
 Dibromofluoromethane  
 Concen: 0.00 ug/l  
 Expected RT: 4.29 min  
 Lab File: VF059942.D  
 Acq: 10 Aug 2018 14:05

Tgt Ion: 113  
 Sig Exp Ratio  
 113 100  
 111 102.3  
 192 15.5

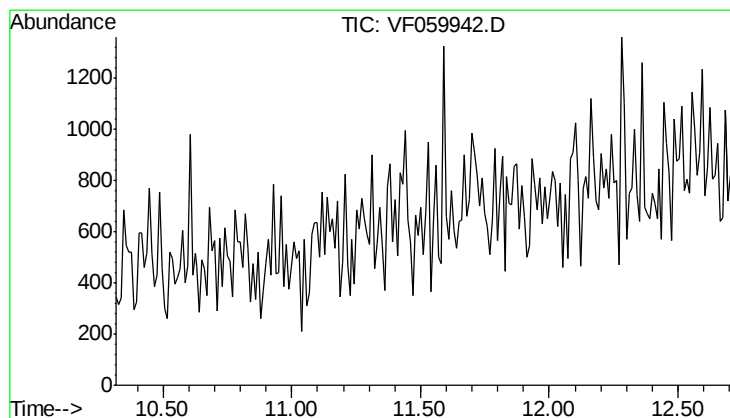
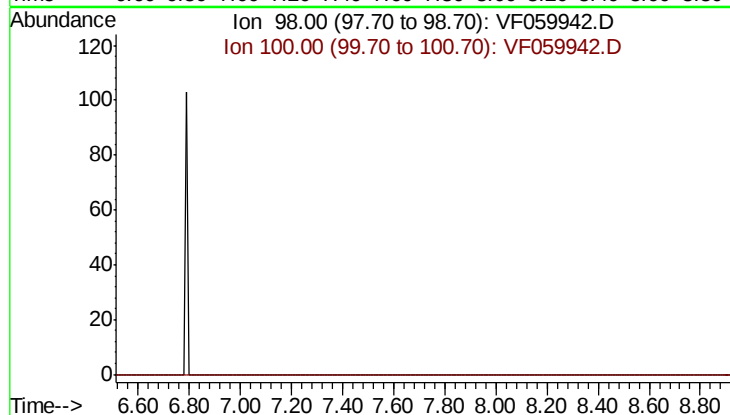




#50  
Toluene-d8  
Concen: 0.00 ug/l  
Expected RT: 7.71 min  
Lab File: VF059942.D  
Acq: 10 Aug 2018 14:05

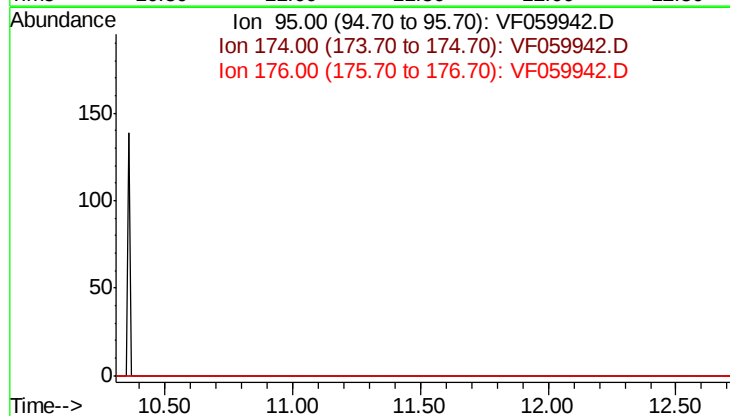
Instrument :  
MSVOA\_F  
ClientSampleId :  
S-1BRE

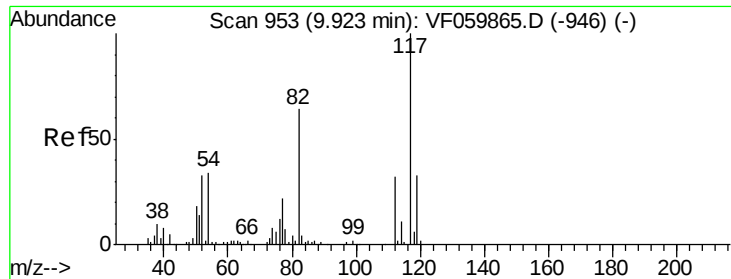
Tot Ion: 98  
Sig Exp Ratio  
98 100  
100 68.8



#62  
4-Bromofluorobenzene  
Concen: 0.00 ug/l  
Expected RT: 11.51 min  
Lab File: VF059942.D  
Acq: 10 Aug 2018 14:05

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 75.8  
176 74.9

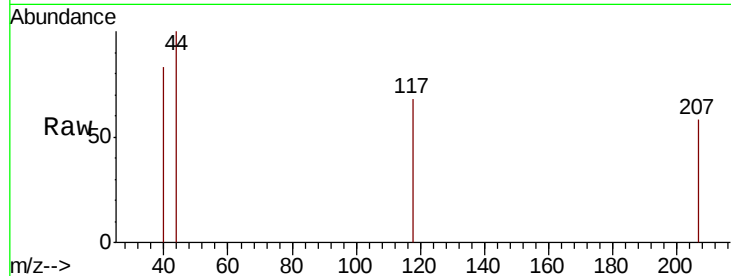




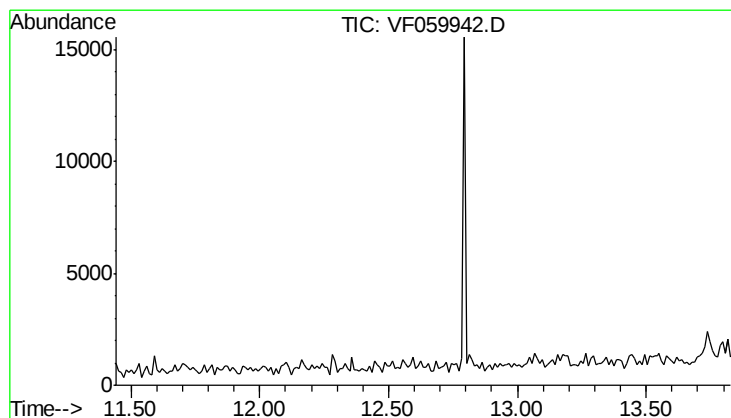
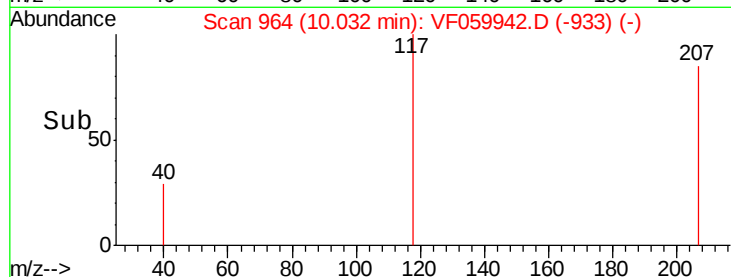
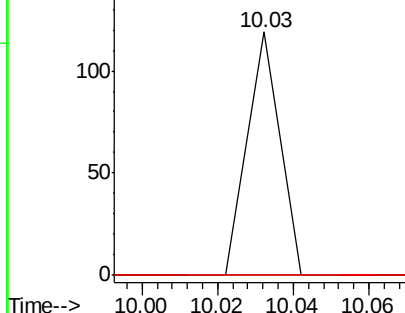
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.03 min Scan# 964  
Delta R.T. 0.11 min  
Lab File: VF059942.D  
Acq: 10 Aug 2018 14:05

Instrument :  
MSVOA\_F  
ClientSampleId :  
S-1BRE

Tot Ion:117 Resp: 70  
Ion Ratio Lower Upper  
117 100  
82 0.0 51.3 76.9#  
119 0.0 26.4 39.6#



Abundance Ion 117.00 (116.70 to 117.70): V  
Ion 82.00 (81.70 to 82.70): VF0  
Ion 119.00 (118.70 to 119.70): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.00 ug/l  
Expected RT: 12.63 min

Lab File: VF059942.D  
Acq: 10 Aug 2018 14:05

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 59.6  
150 157.8

