

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\  
 Data File : VD062011.D  
 Acq On : 24 Apr 2019 21:49  
 Operator : VA/AP  
 Sample : K2529-01  
 Misc : 6.60g/5ml/MSVOA D/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Apr 25 01:37:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D042319S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 23 14:52:55 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  | -7.05    |
| 34) 1,4-Difluorobenzene    | 8.23  | 114  | 187      | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 12.37 | 117  | 217      | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 0.00  | 152  | 0        | 0.00  | ug/l  | -14.52   |

| 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% |          |

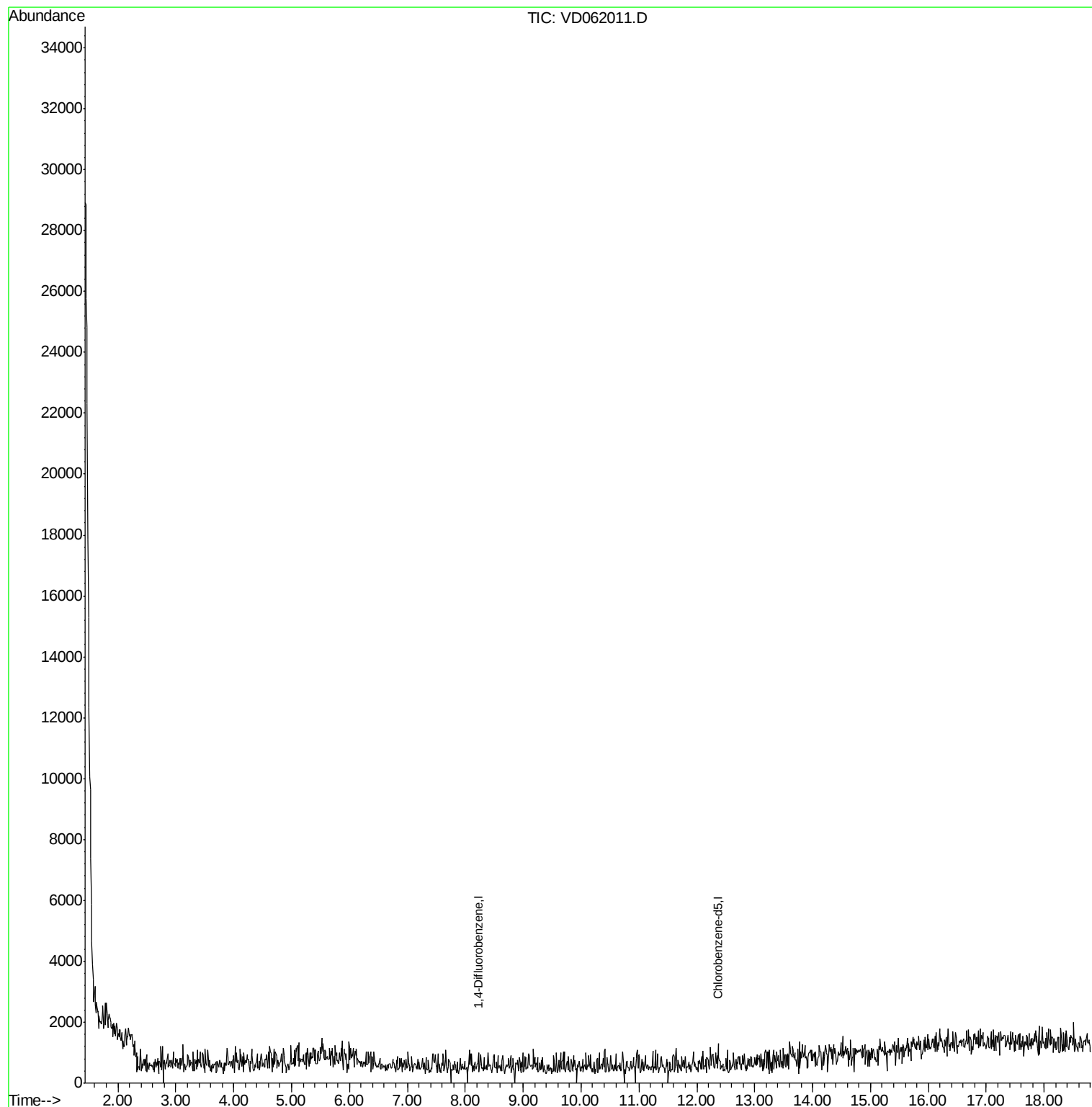
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

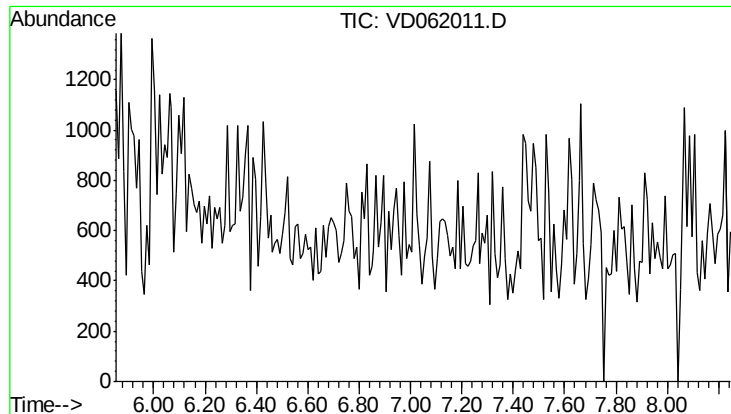
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Apr 23 14:52:55 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.05 min

Lab File: VD062011.D

Acq: 24 Apr 2019 21:49

Tot Ion: 168

Sig Exp Ratio

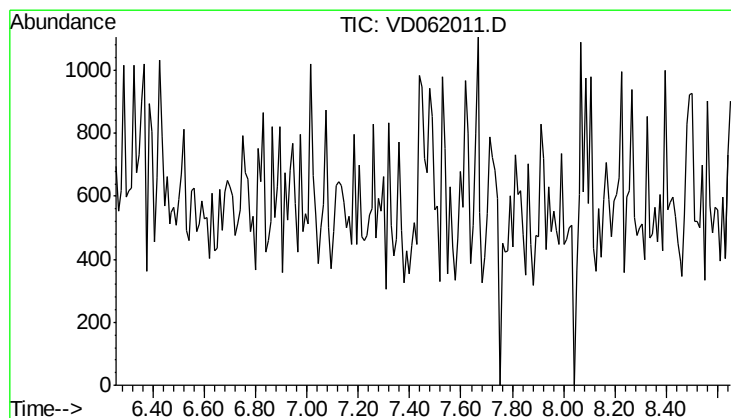
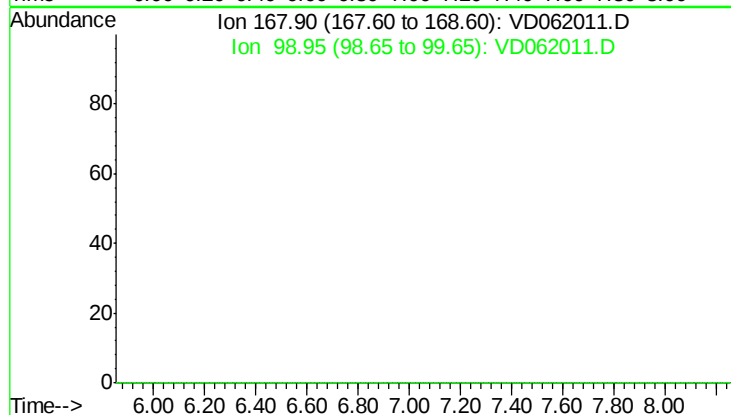
168 100

99 58.1

Instrument :

MSVOA\_D

ClientSampleId :



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

Expected RT: 7.46 min

Lab File: VD062011.D

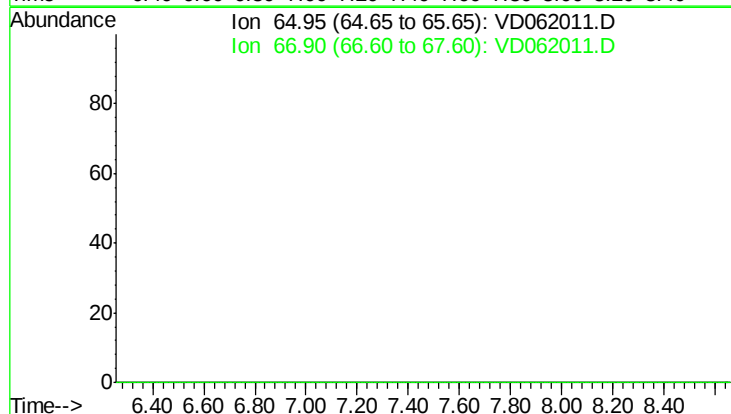
Acq: 24 Apr 2019 21:49

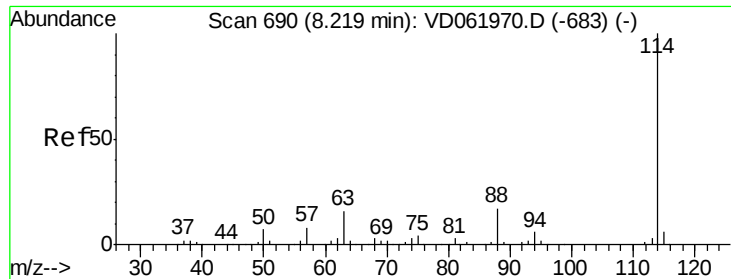
Tgt Ion: 65

Sig Exp Ratio

65 100

67 49.0

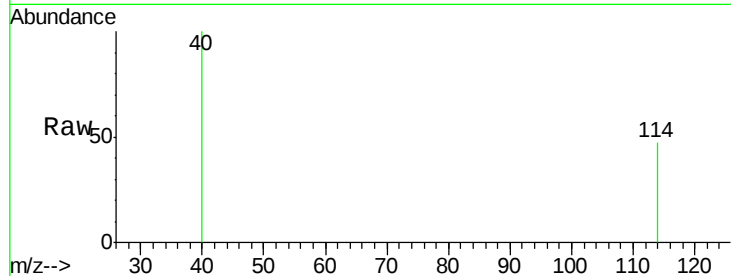




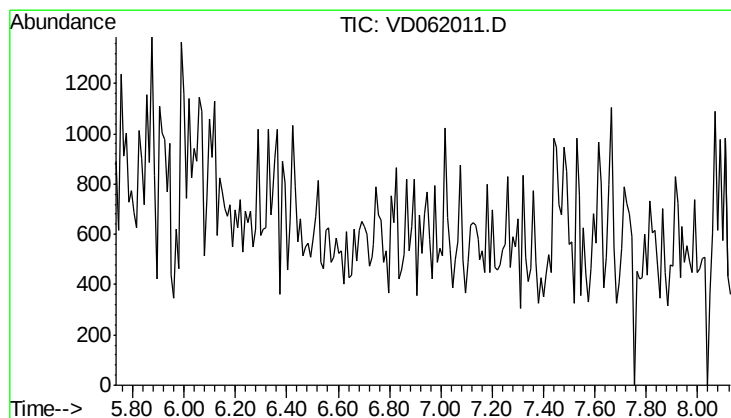
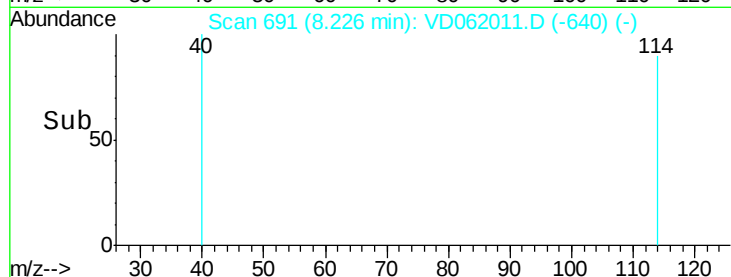
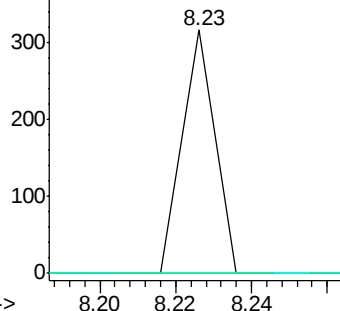
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.23 min Scan# 691  
 Delta R.T. 0.00 min  
 Lab File: VD062011.D  
 Acq: 24 Apr 2019 21:49

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tot Ion:114 Resp: 187  
 Ion Ratio Lower Upper  
 114 100  
 63 0.0 0.0 32.4  
 88 0.0 0.0 33.6

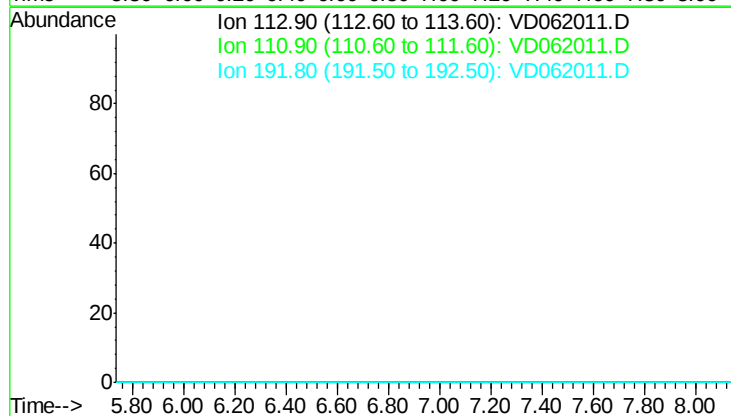


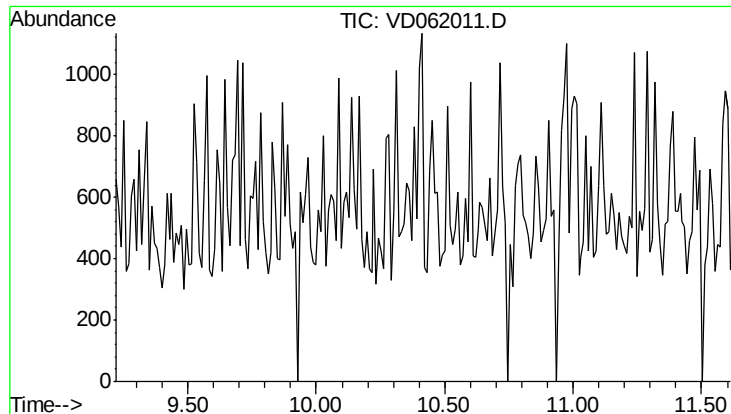
Abundance Ion 114.00 (113.70 to 114.70): V  
 Ion 62.95 (62.65 to 63.65): VDC  
 Ion 87.90 (87.60 to 88.60): VDC



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 Expected RT: 6.93 min  
 Lab File: VD062011.D  
 Acq: 24 Apr 2019 21:49

Tgt Ion: 113  
 Sig Exp Ratio  
 113 100  
 111 98.1  
 192 16.2



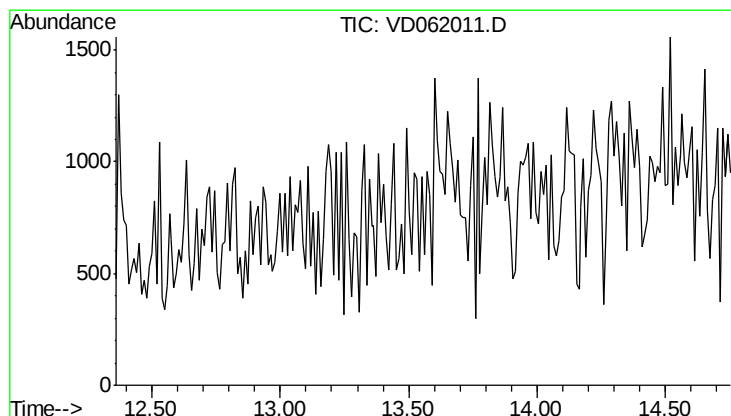
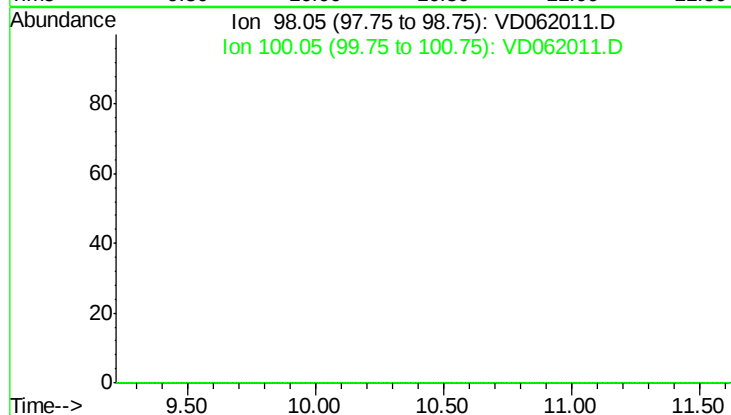


#50  
Toluene-d8  
Concen: N.D. ug/l  
Expected RT: 10.42 min

Lab File: VD062011.D  
Acq: 24 Apr 2019 21:49

Instrument :  
MSVOA\_D  
ClientSampleId :

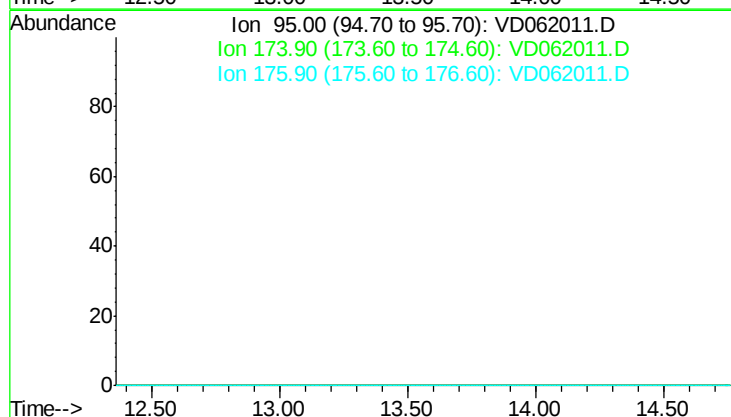
| Tot Ion | 98        |
|---------|-----------|
| Sig     | Exp Ratio |
| 98      | 100       |
| 100     | 67.3      |

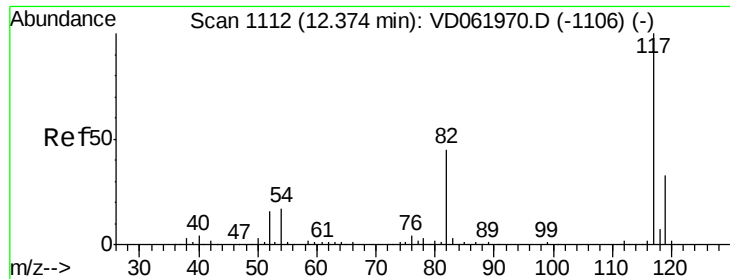


#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
Expected RT: 13.56 min

Lab File: VD062011.D  
Acq: 24 Apr 2019 21:49

| Tgt Ion | 95        |
|---------|-----------|
| Sig     | Exp Ratio |
| 95      | 100       |
| 174     | 90.9      |
| 176     | 87.2      |

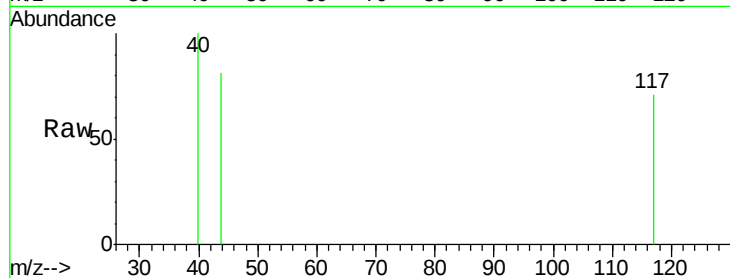




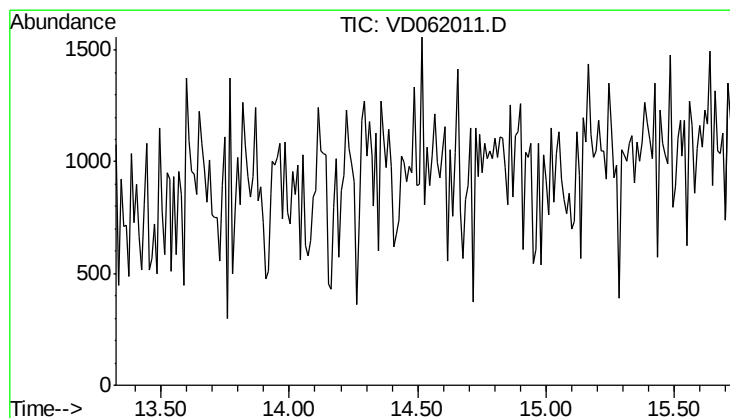
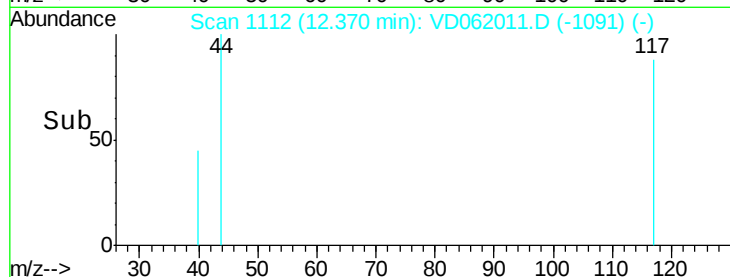
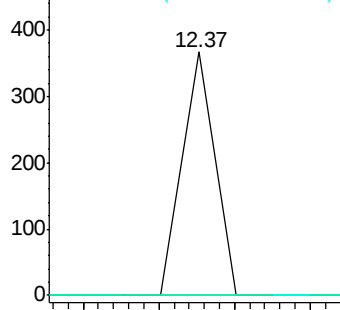
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 12.37 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VD062011.D  
Acq: 24 Apr 2019 21:49

Instrument :  
MSVOA\_D  
ClientSampleId :

Tot Ion:117 Resp: 217  
Ion Ratio Lower Upper  
117 100  
82 0.0 36.2 54.2#  
119 0.0 26.2 39.4#



Abundance Ion 116.95 (116.65 to 117.65): V  
Ion 82.05 (81.75 to 82.75): VD  
Ion 118.95 (118.65 to 119.65): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 14.52 min

Lab File: VD062011.D  
Acq: 24 Apr 2019 21:49

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 61.8  
150 157.4

