

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\  
 Data File : VN063223.D  
 Acq On : 3 Sep 2020 16:24  
 Operator : JC/MD  
 Sample : L3902-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB01-20200901

Quant Time: Sep 04 04:52:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 01 04:21:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 287132   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 560218   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 557697   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 212134   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 231378   | 49.29 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.58%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 182710   | 50.84 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.68% |          |
| 50) Toluene-d8              | 10.06 | 98   | 712557   | 51.51 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.02% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 238783   | 49.34 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.68%  |          |

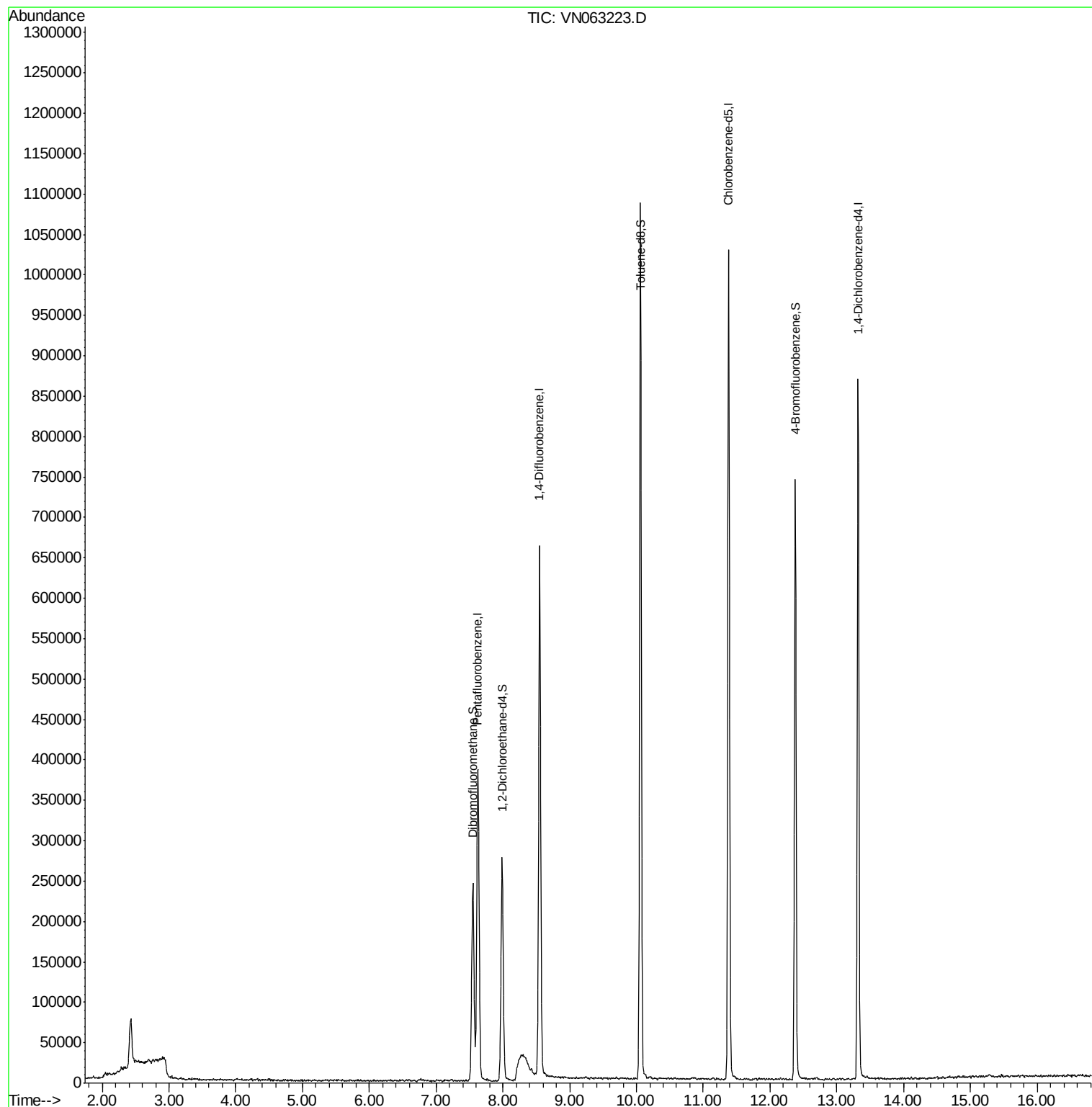
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

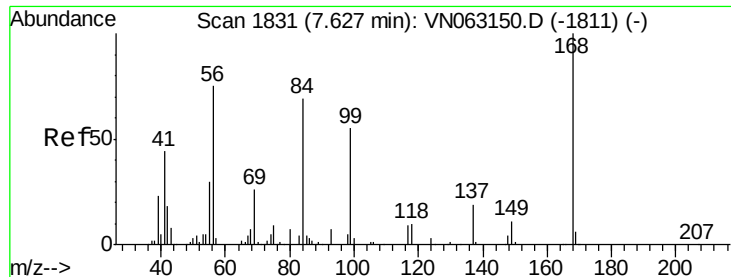
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TB01-20200901

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Quant Title : SW846 8260  
QLast Update : Tue Sep 01 04:21:28 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA\_N

ClientSampled :

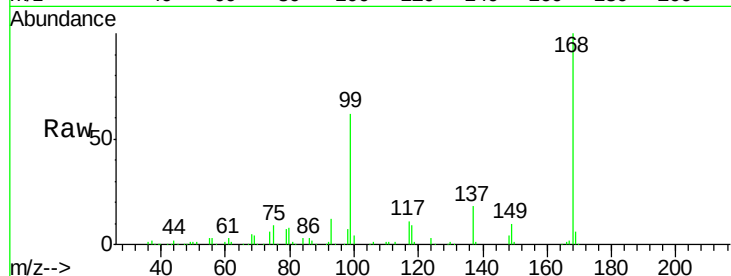
TB01-20200901

Tot Ion:168 Resp: 287132

Ion Ratio Lower Upper

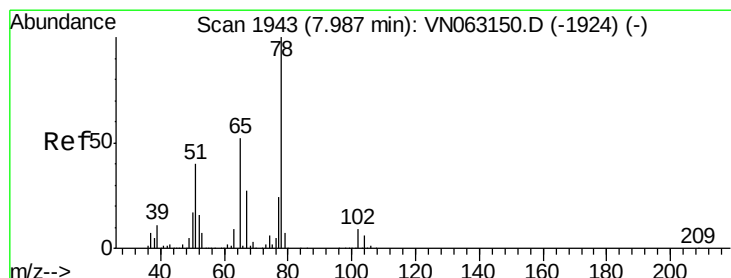
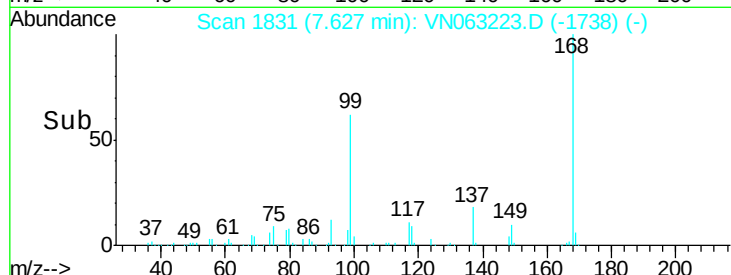
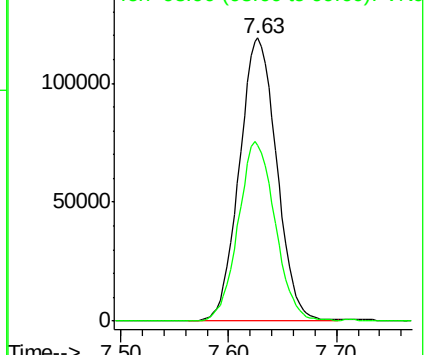
168 100

99 62.0 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 49.295 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063223.D

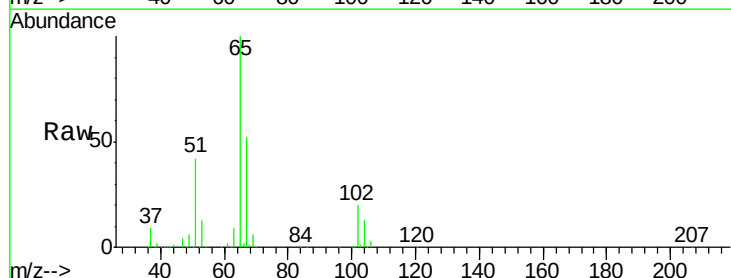
Acq: 3 Sep 2020 16:24

Tgt Ion: 65 Resp: 231378

Ion Ratio Lower Upper

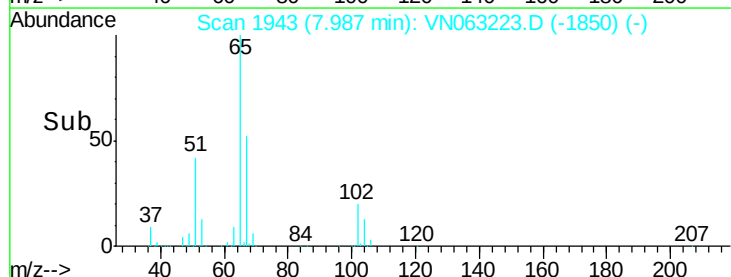
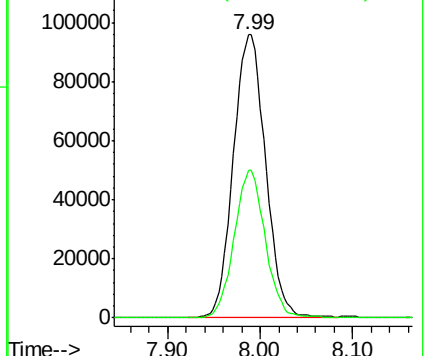
65 100

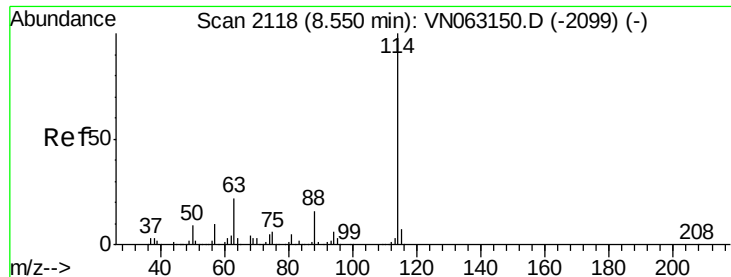
67 50.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

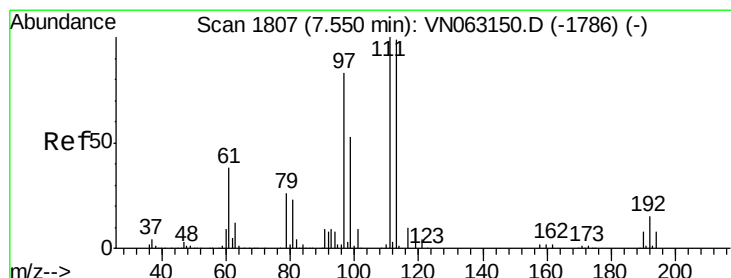
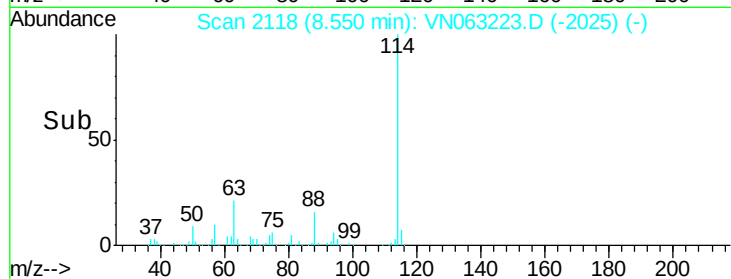
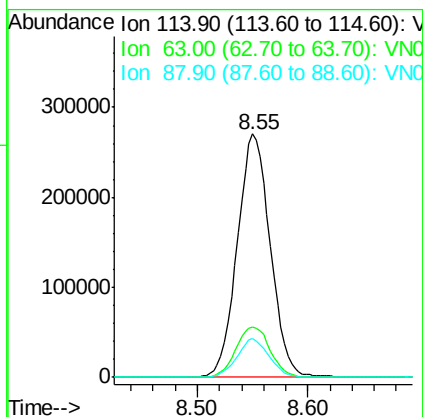
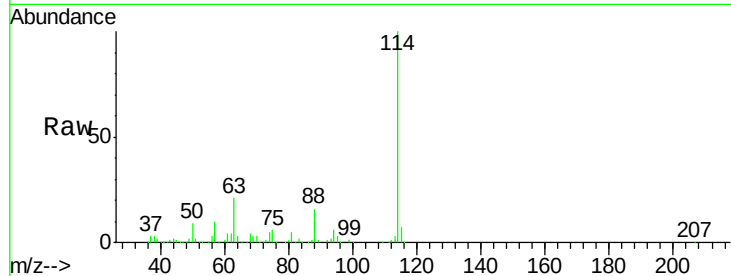




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN063223.D  
 Acq: 3 Sep 2020 16:24

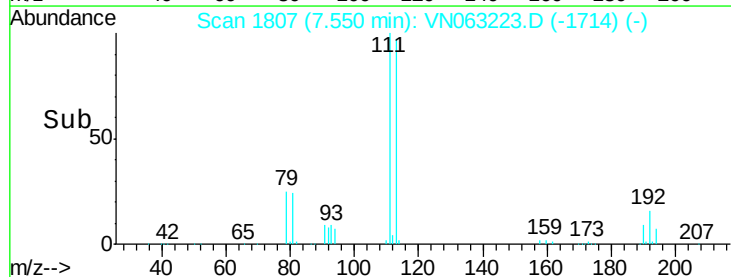
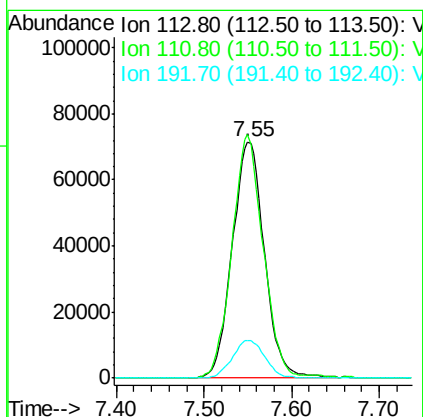
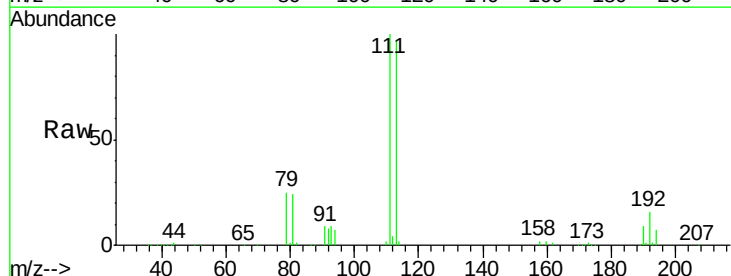
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB01-20200901

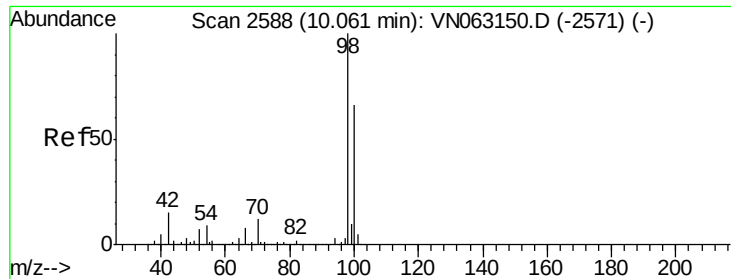
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.5  | 0.0   | 43.0  |
| 88      | 15.7  | 0.0   | 31.6  |



#35  
 Dibromofluoromethane  
 Concen: 50.836 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063223.D  
 Acq: 3 Sep 2020 16:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 99.6  | 80.7  | 121.1 |
| 192     | 16.1  | 12.6  | 19.0  |





#50

Toluene-d8

Concen: 51.509 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

Instrument :

MSVOA\_N

ClientSampleId :

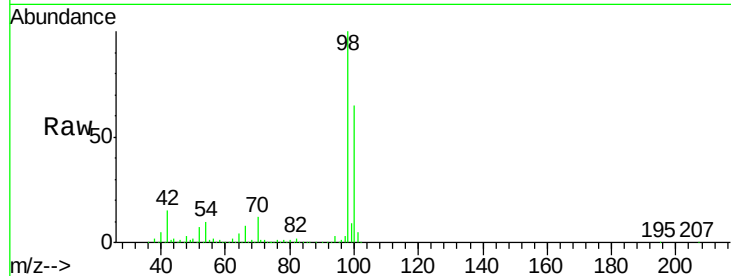
TB01-20200901

Tot Ion: 98 Resp: 712557

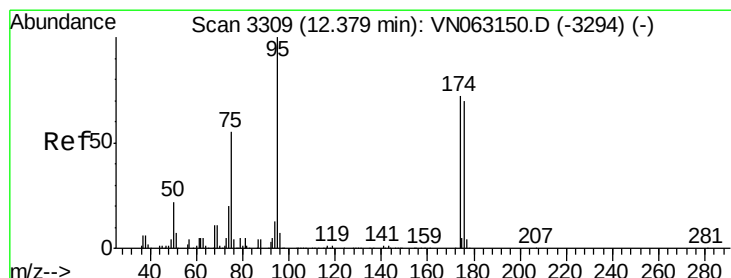
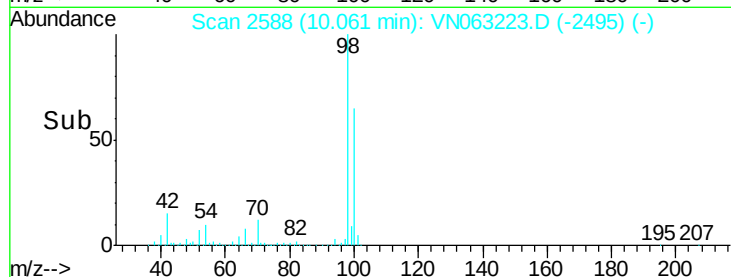
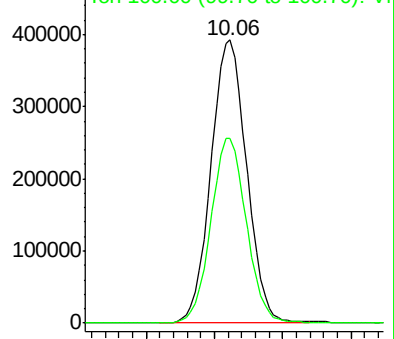
Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN063150.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 49.345 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063223.D

Acq: 3 Sep 2020 16:24

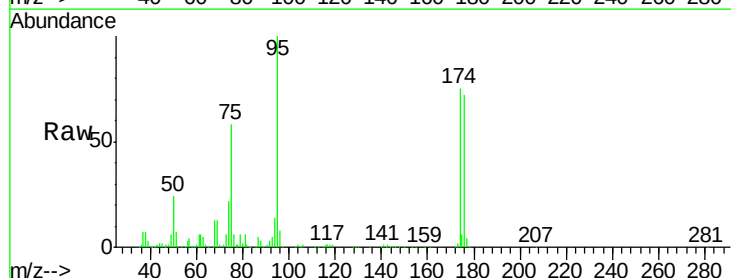
Tgt Ion: 95 Resp: 238783

Ion Ratio Lower Upper

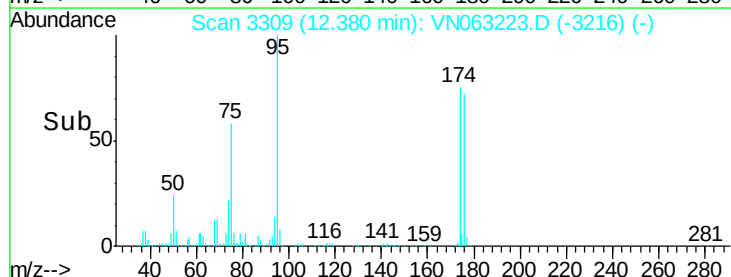
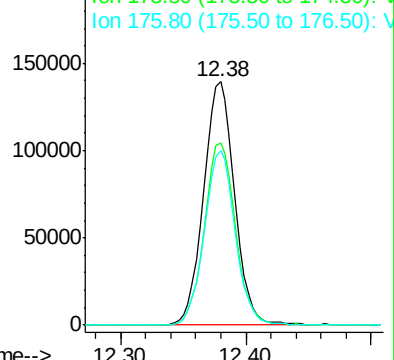
95 100

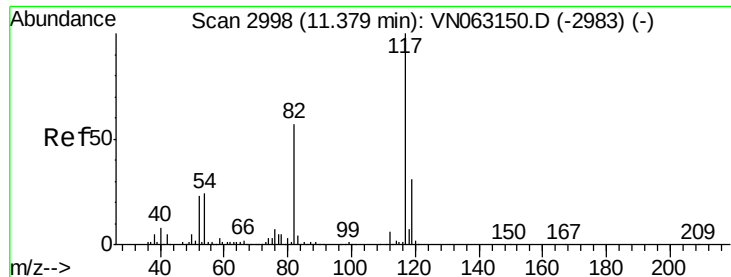
174 75.0 0.0 143.8

176 71.3 0.0 138.4



Abundance Ion 94.90 (94.60 to 95.60): VN063150.D (-3294) (-)

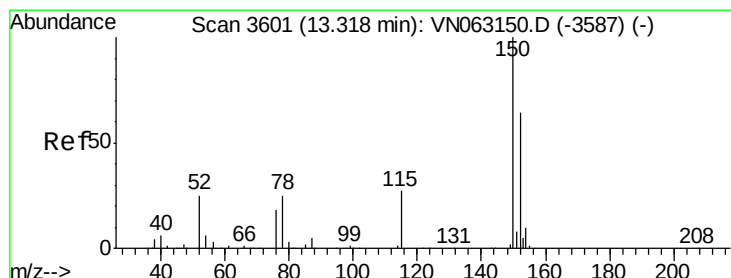
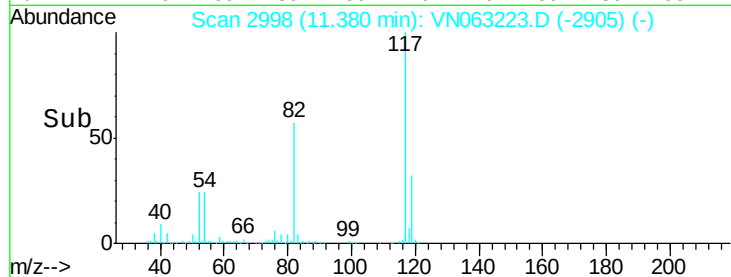
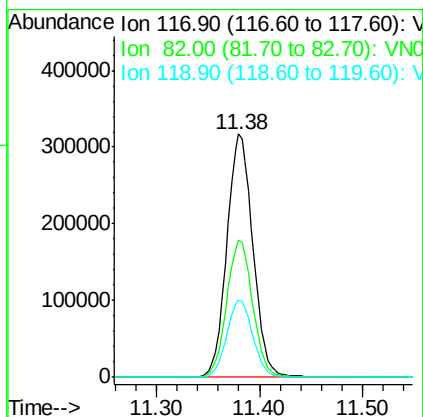
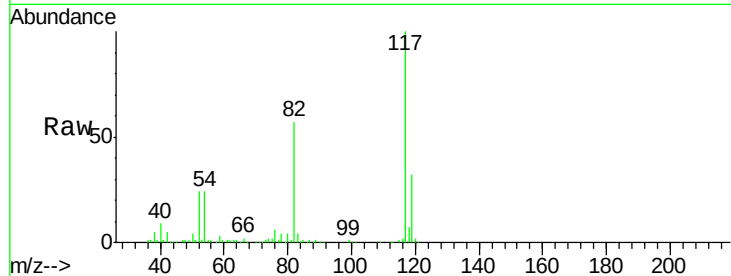




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063223.D  
Acq: 3 Sep 2020 16:24

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB01-20200901

Tot Ion:117 Resp: 557697  
Ion Ratio Lower Upper  
117 100  
82 56.5 45.4 68.0  
119 31.9 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063223.D  
Acq: 3 Sep 2020 16:24

Tgt Ion:152 Resp: 212134  
Ion Ratio Lower Upper  
152 100  
115 60.6 32.0 96.2  
150 157.5 0.0 353.0

