

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
 Data File : VN060606.D  
 Acq On : 18 Mar 2020 21:43  
 Operator : JC/MD  
 Sample : VN0318WBL03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318WBL03

Quant Time: Mar 19 07:59:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 198986   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 329455   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 301785   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 133102   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 126790   | 46.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.84% |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 96234    | 48.31 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.62% |      |
| 50) Toluene-d8              | 10.08  | 98  | 402607   | 49.48 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.96% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 147602   | 49.50 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.00% |      |

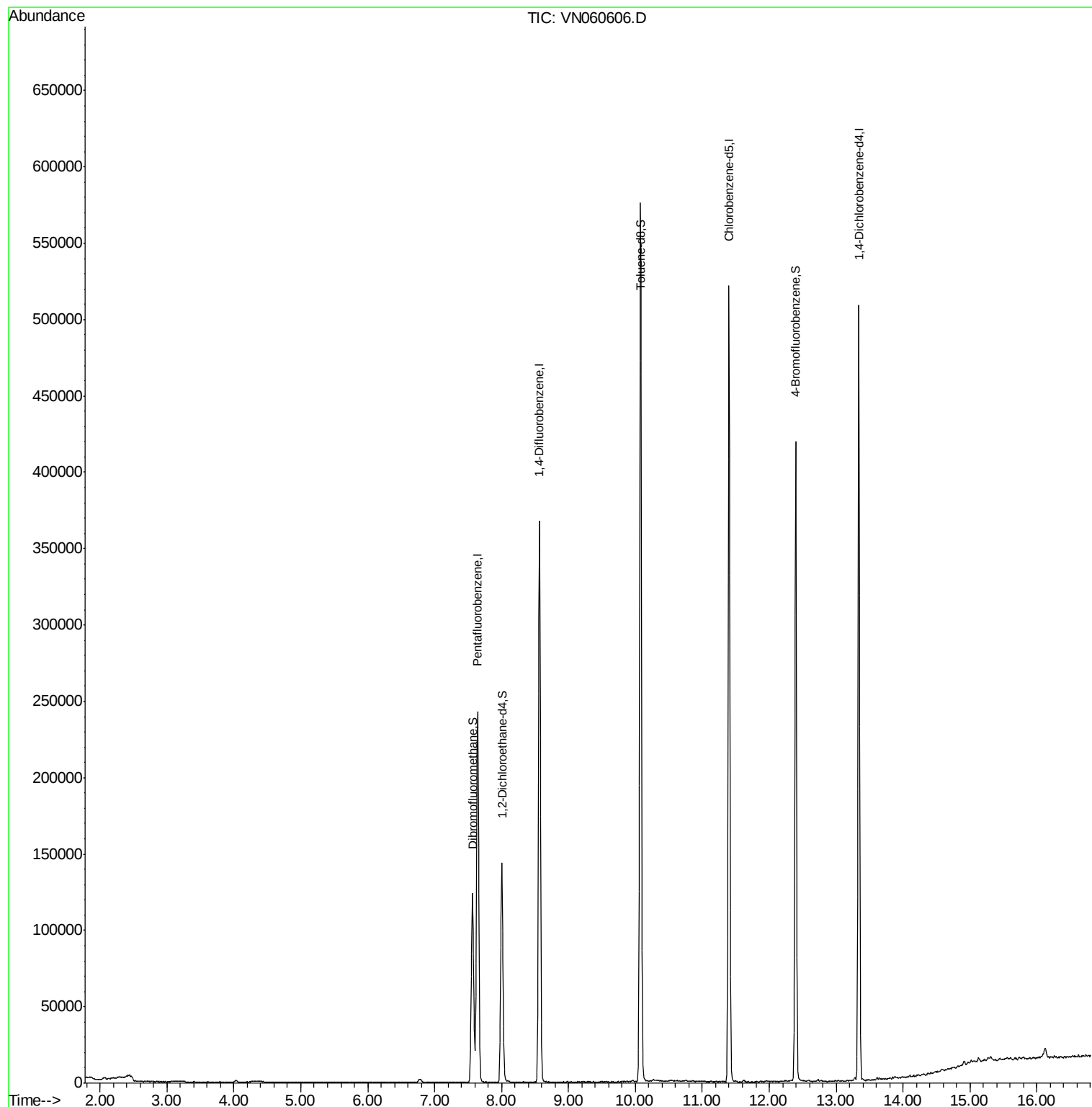
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

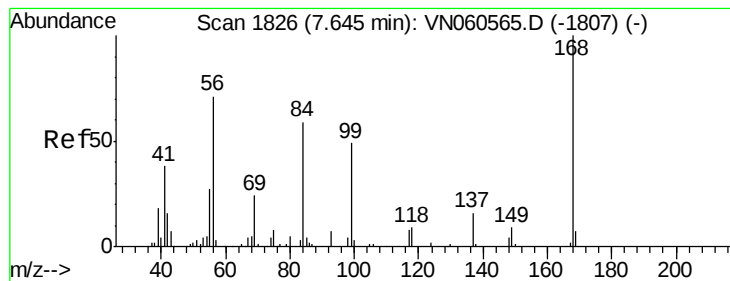
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031820\  
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ALS Vial : 33 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
VN0318WBL03

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA\_N

ClientSampleId :

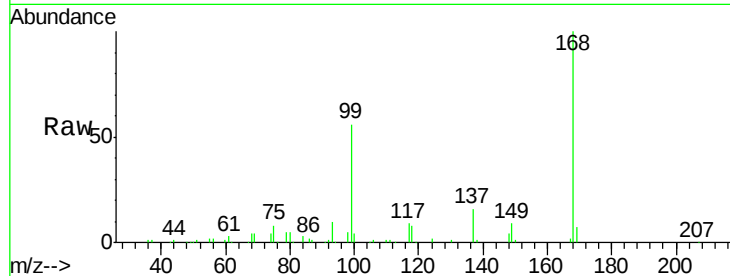
VN0318WBL03

Tot Ion:168 Resp: 198986

Ion Ratio Lower Upper

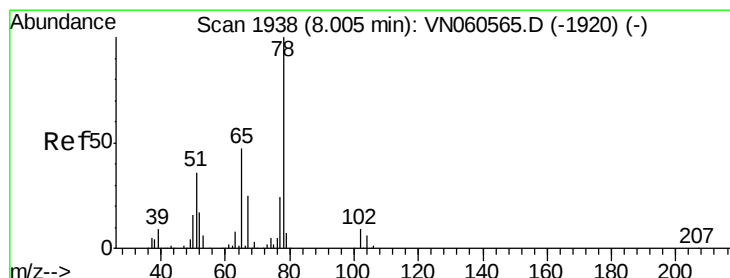
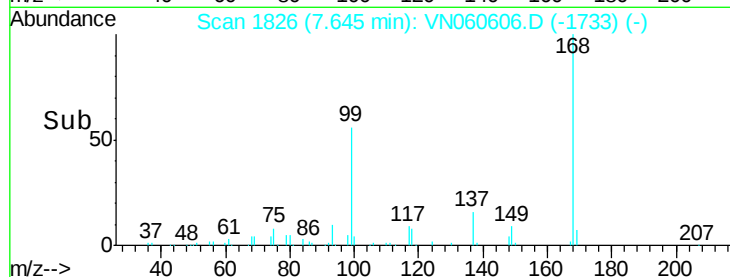
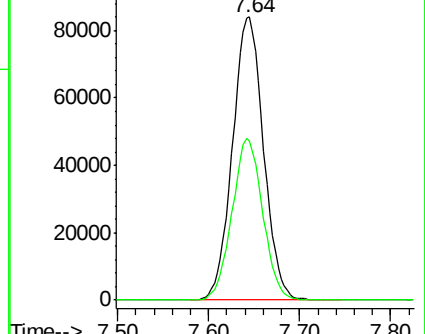
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.416 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060606.D

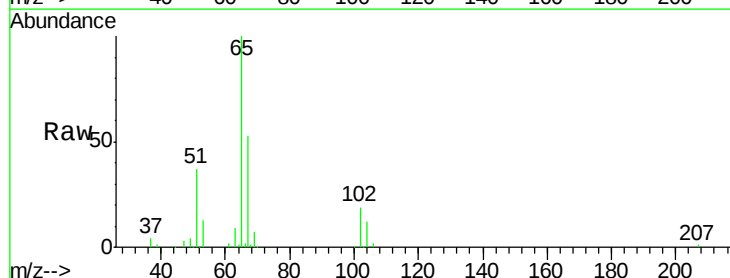
Acq: 18 Mar 2020 21:43

Tgt Ion: 65 Resp: 126790

Ion Ratio Lower Upper

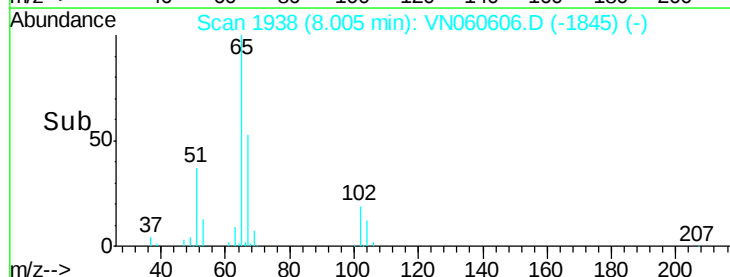
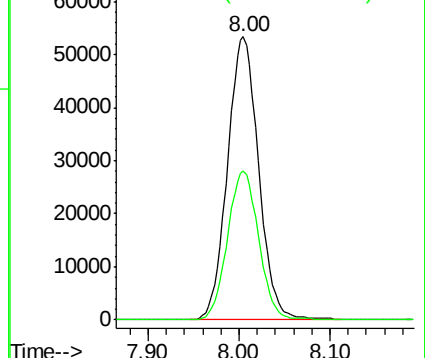
65 100

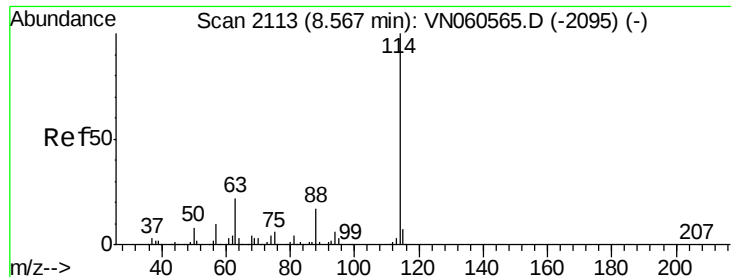
67 52.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

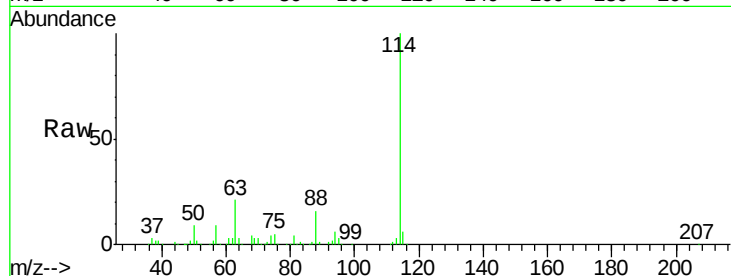




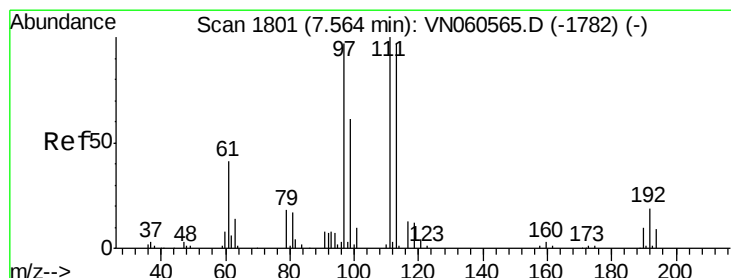
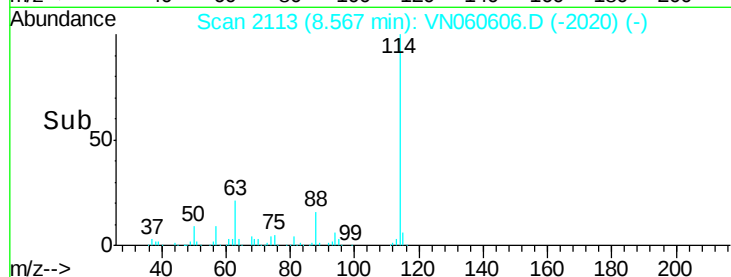
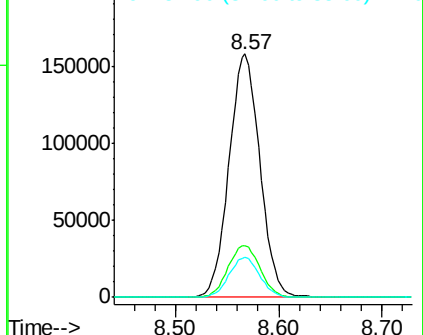
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060606.D  
 Acq: 18 Mar 2020 21:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0318WBL03

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.4  | 0.0   | 43.8  |
| 88      | 16.3  | 0.0   | 33.0  |

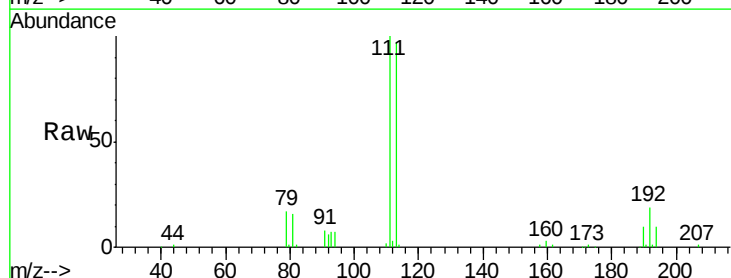


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

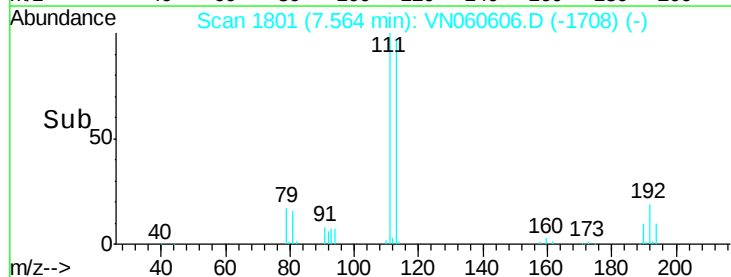
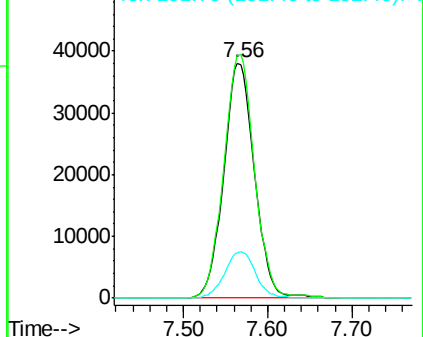


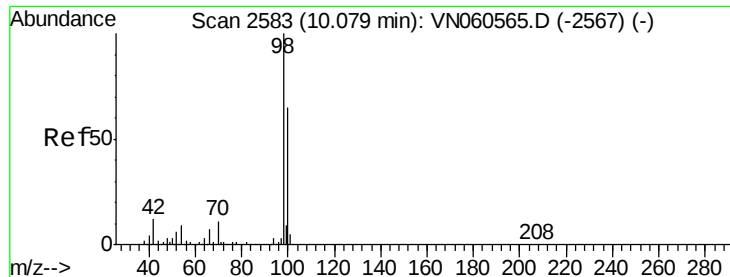
#35  
 Dibromofluoromethane  
 Concen: 48.308 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: VN060606.D  
 Acq: 18 Mar 2020 21:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.9  | 124.3 |
| 192     | 19.9  | 15.8  | 23.8  |



Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.479 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

Instrument :

MSVOA\_N

ClientSampleId :

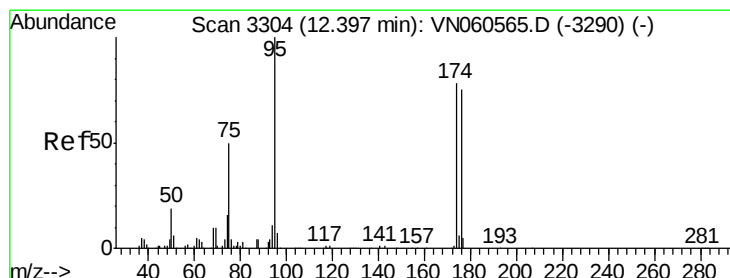
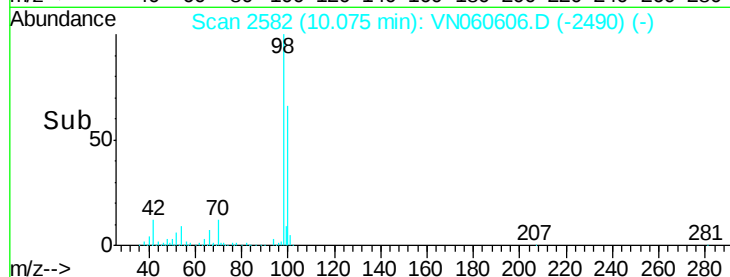
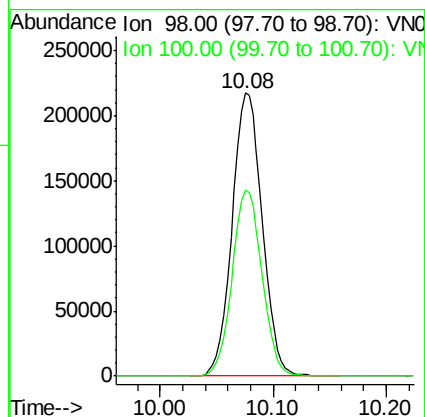
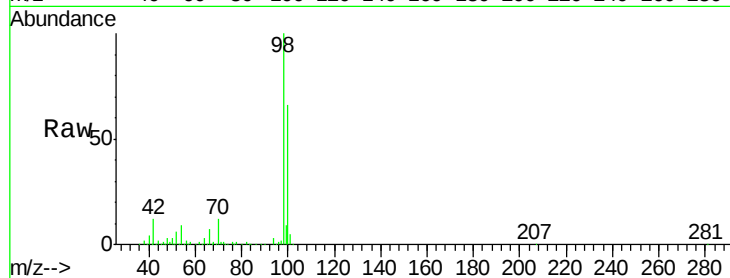
VN0318WBL03

Tot Ion: 98 Resp: 402607

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 49.496 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060606.D

Acq: 18 Mar 2020 21:43

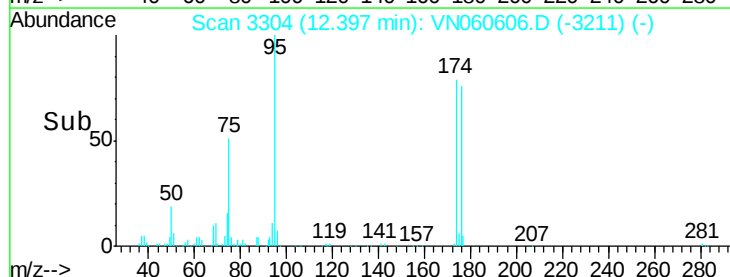
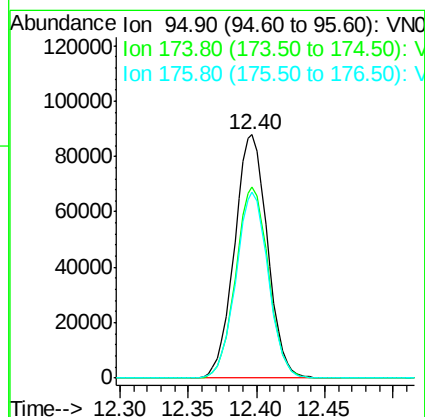
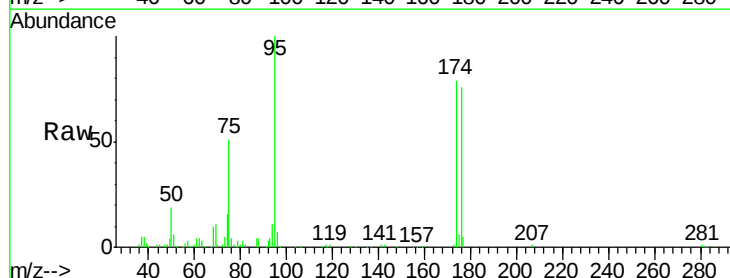
Tgt Ion: 95 Resp: 147602

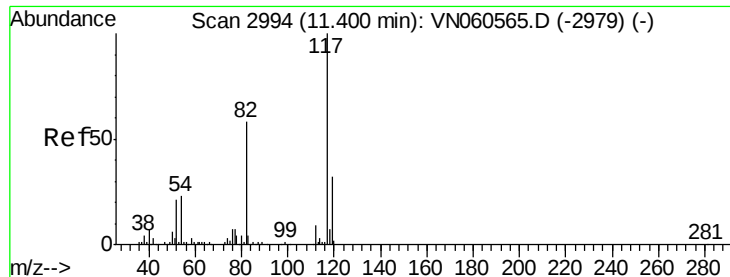
Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

176 75.1 0.0 150.6

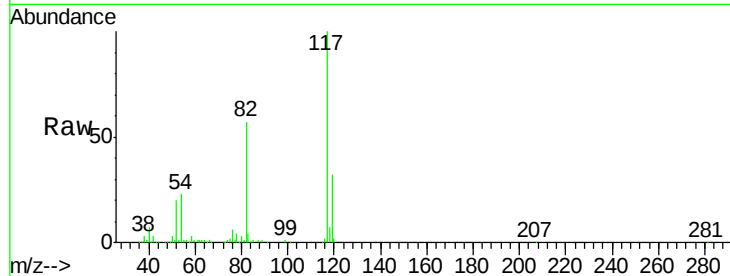




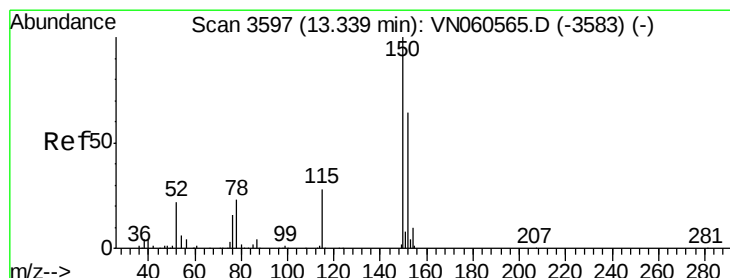
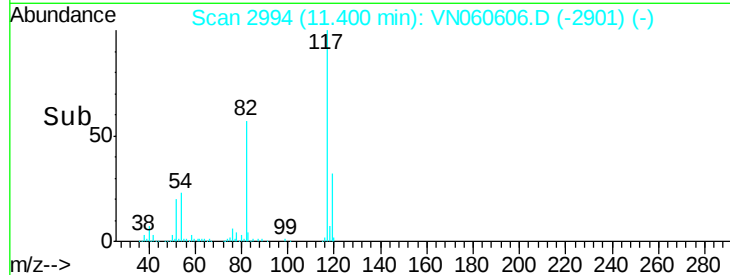
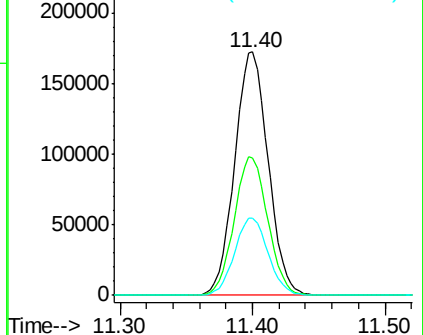
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060606.D  
Acq: 18 Mar 2020 21:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0318WBL03

Tot Ion:117 Resp: 301785  
Ion Ratio Lower Upper  
117 100  
82 56.5 46.7 70.1  
119 31.8 25.5 38.3

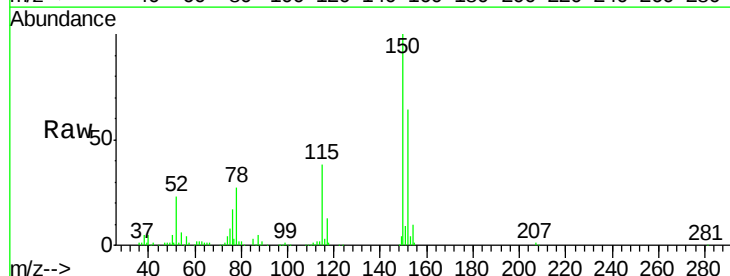


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060606.D  
Acq: 18 Mar 2020 21:43

Tgt Ion:152 Resp: 133102  
Ion Ratio Lower Upper  
152 100  
115 60.0 30.2 90.6  
150 157.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V

