

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\  
 Data File : VN061068.D  
 Acq On : 17 Apr 2020 22:34  
 Operator : JC/MD  
 Sample : VN0417WBL02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0417WBL02

Quant Time: Apr 20 06:06:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 17 03:49:39 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 143865   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 244850   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 227291   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 98934    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 99133    | 53.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.72% |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 73975    | 51.73 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.46% |      |
| 50) Toluene-d8              | 10.08  | 98  | 303804   | 56.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.46% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 110627   | 52.24 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.48% |      |

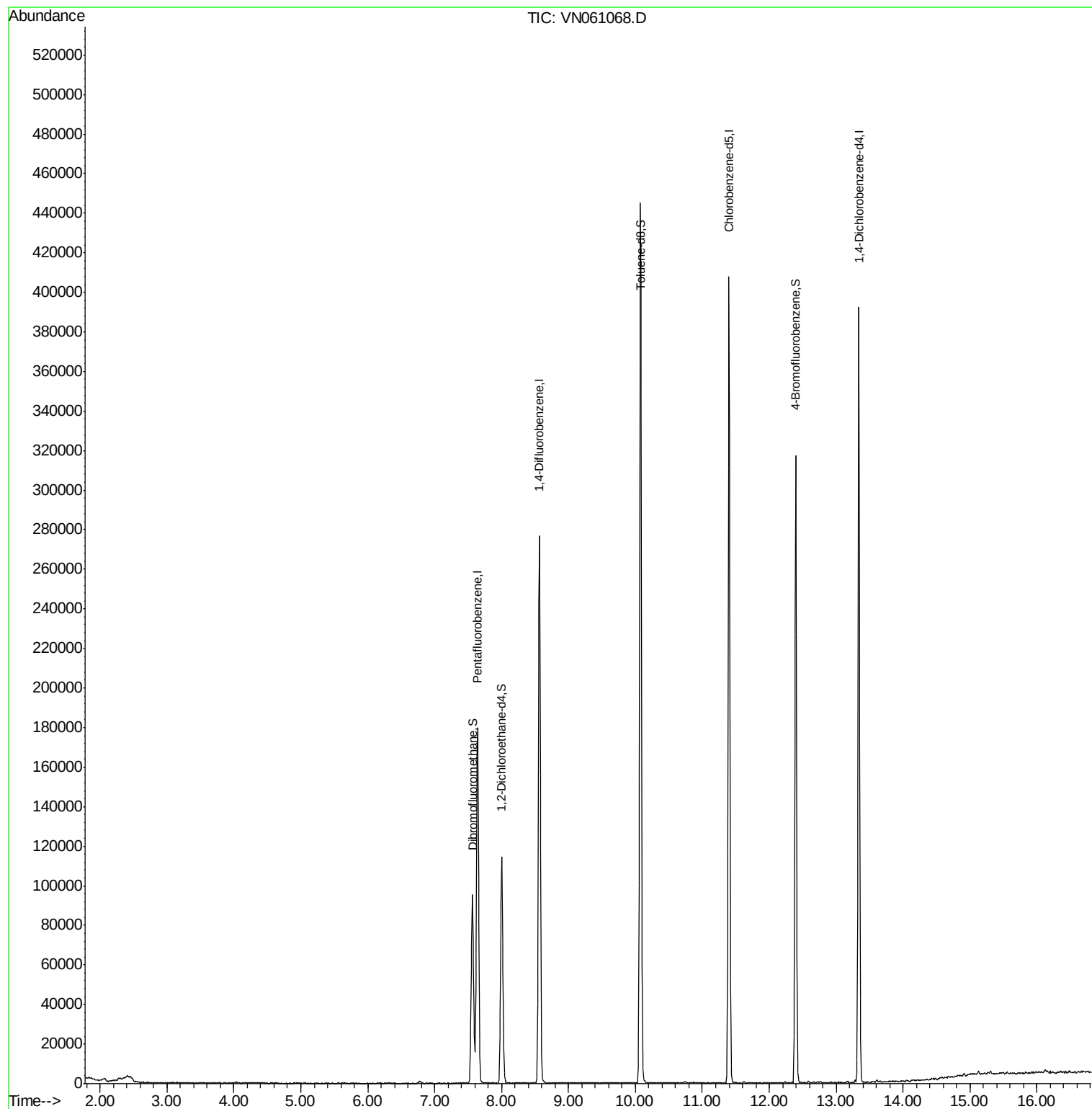
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

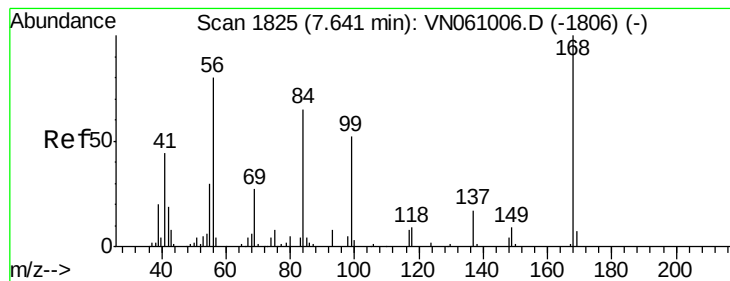
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041720\  
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ALS Vial : 32 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0417WBL02

Quant Time: Apr 20 06:06:33 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N041620W.M  
Quant Title : SW846 8260  
QLast Update : Fri Apr 17 03:49:39 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061068.D

Acq: 17 Apr 2020 22:34

Instrument :

MSVOA\_N

ClientSampleId :

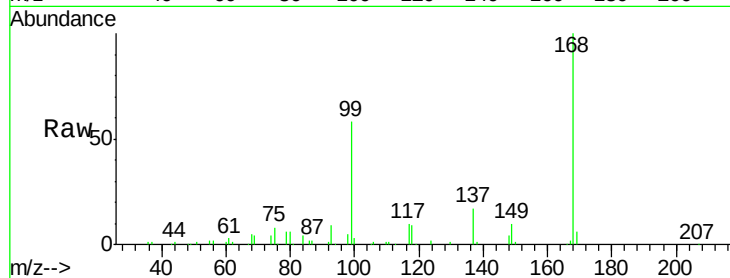
VN0417WBL02

Tot Ion:168 Resp: 143865

Ion Ratio Lower Upper

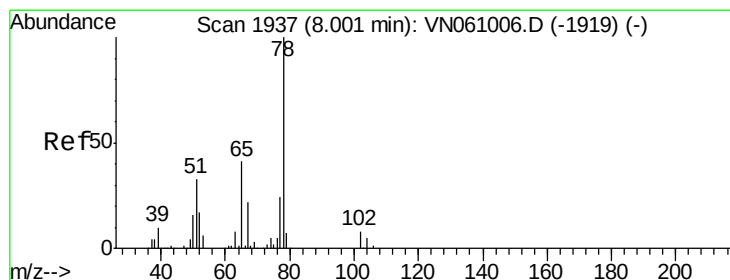
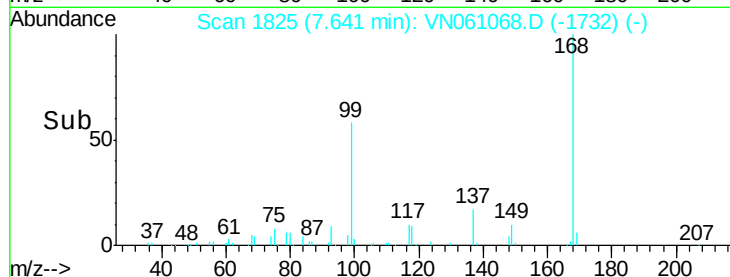
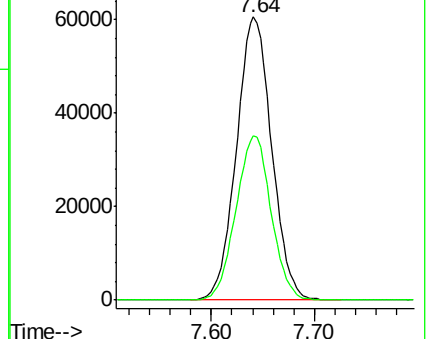
168 100

99 58.2 47.4 71.2



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: 53.857 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061068.D

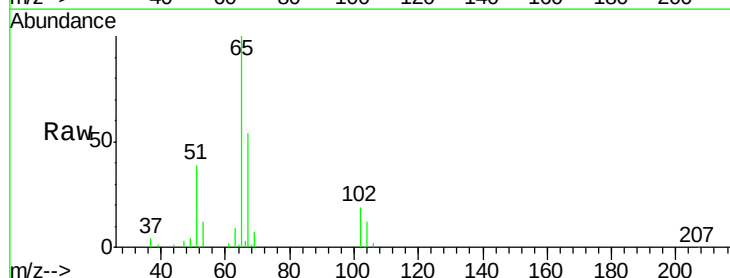
Acq: 17 Apr 2020 22:34

Tgt Ion: 65 Resp: 99133

Ion Ratio Lower Upper

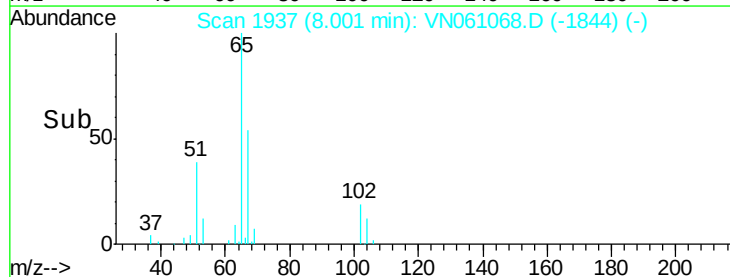
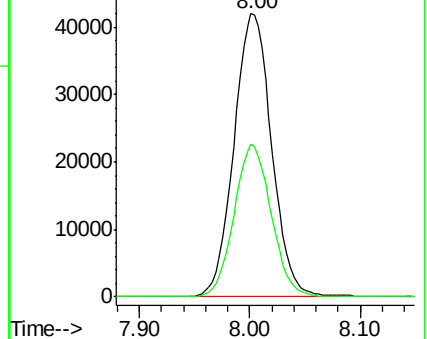
65 100

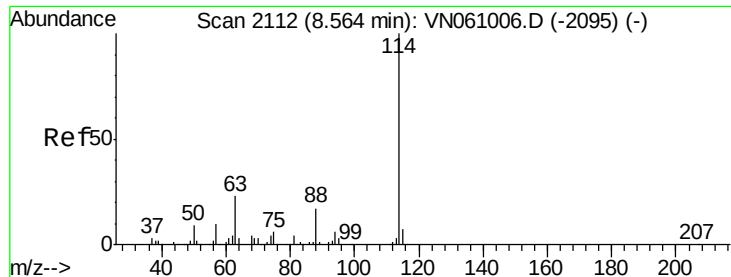
67 52.9 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

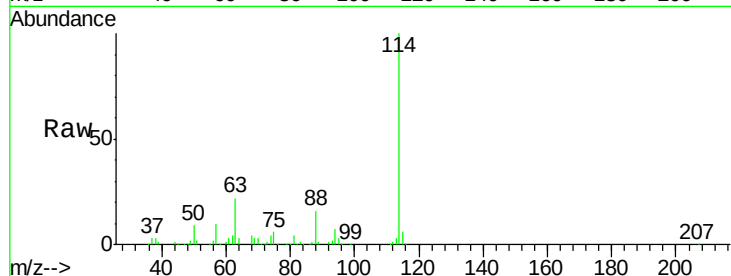




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN061068.D  
 Acq: 17 Apr 2020 22:34

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0417WBL02

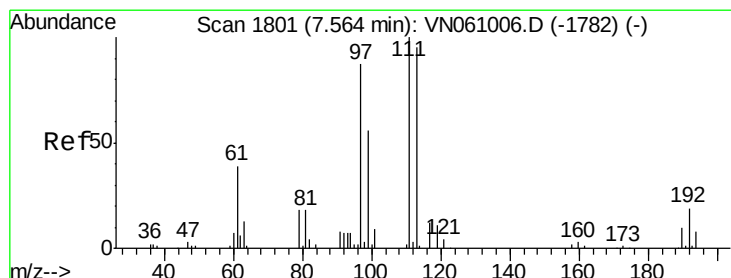
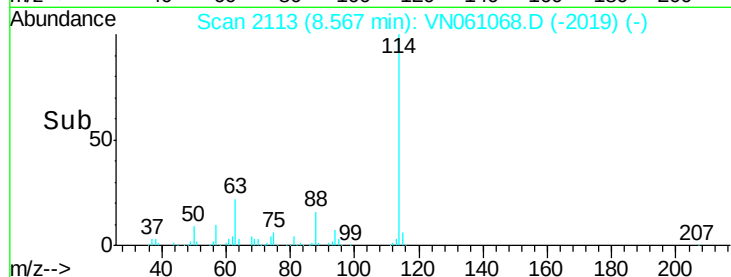
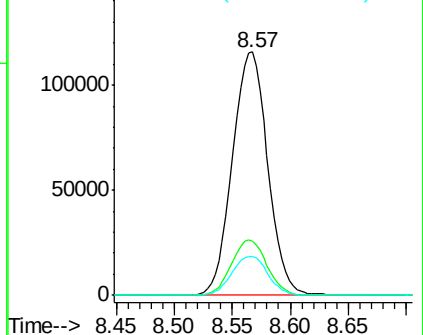
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.4  | 0.0   | 46.2  |
| 88      | 15.9  | 0.0   | 33.4  |



Abundance Ion 113.90 (113.60 to 114.60): V

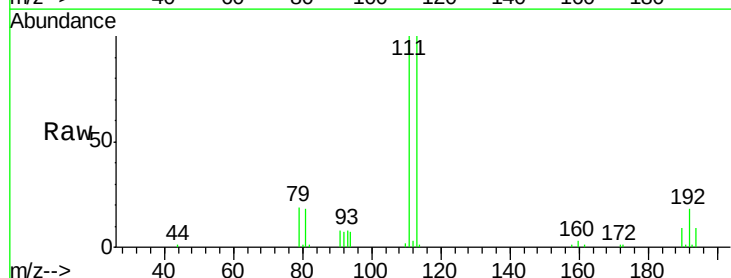
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35  
 Dibromofluoromethane  
 Concen: 51.735 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN061068.D  
 Acq: 17 Apr 2020 22:34

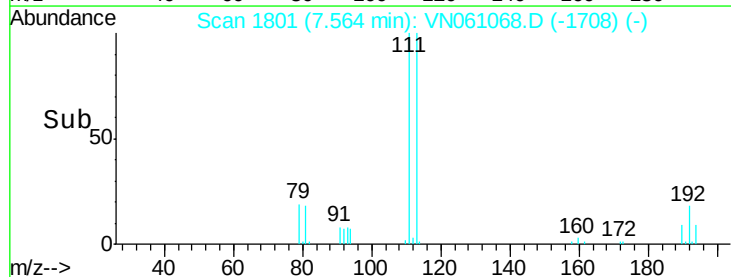
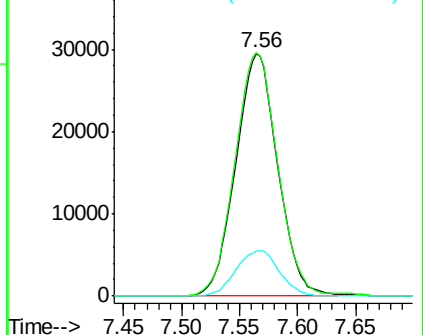
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.3 | 83.4  | 125.2 |
| 192     | 19.5  | 15.5  | 23.3  |

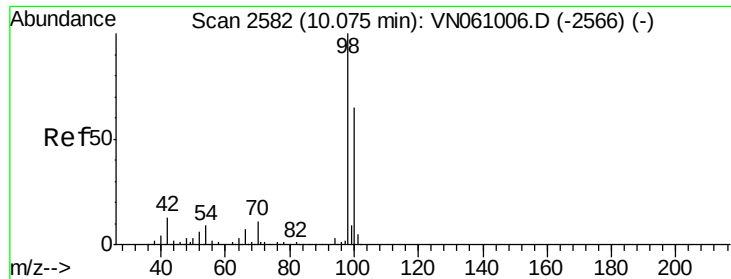


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

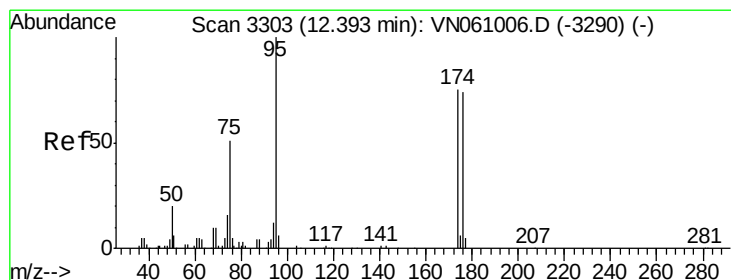
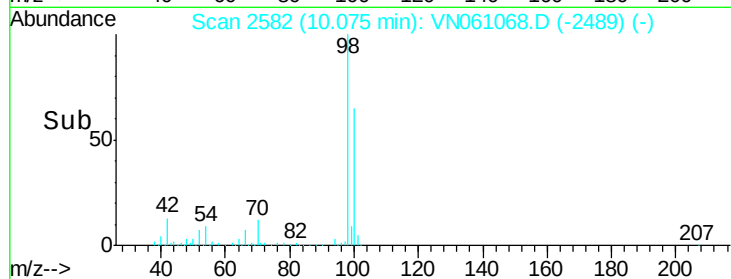
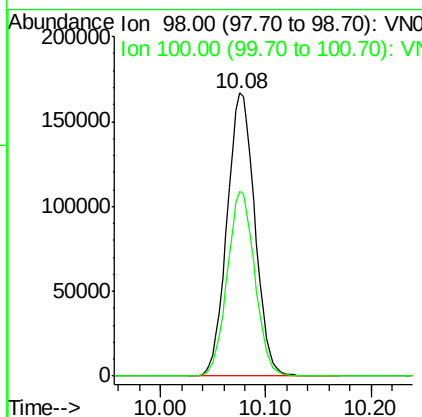
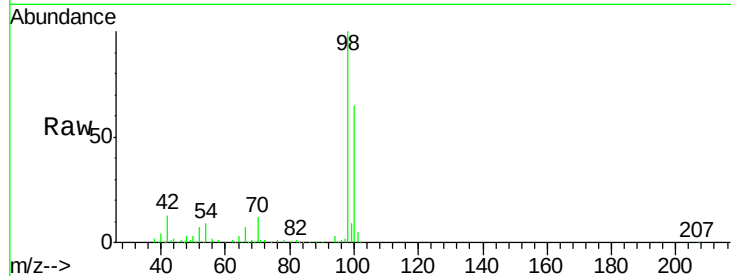




#50  
Toluene-d8  
Concen: 56.226 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN061068.D  
Acq: 17 Apr 2020 22:34

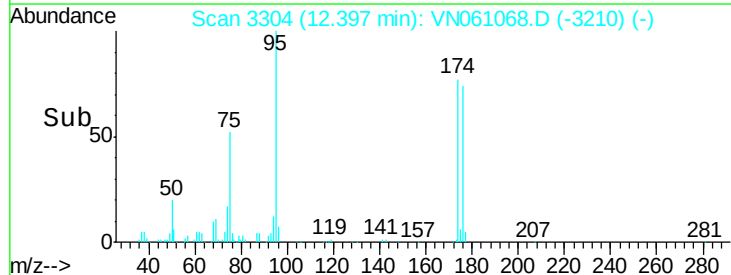
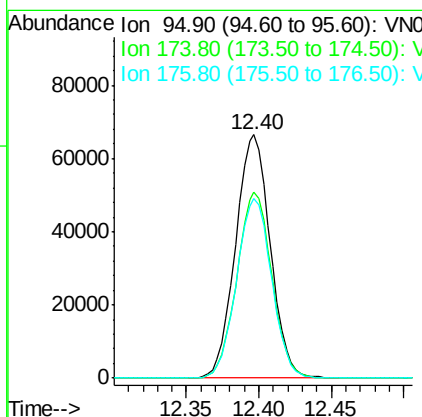
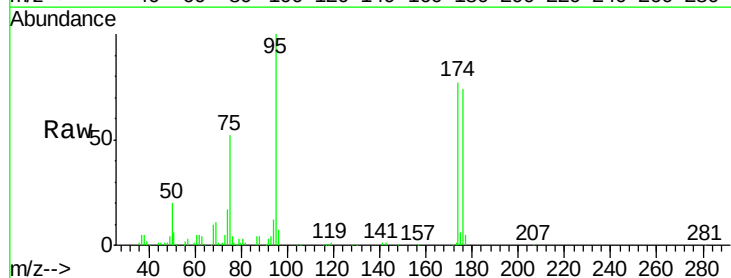
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0417WBL02

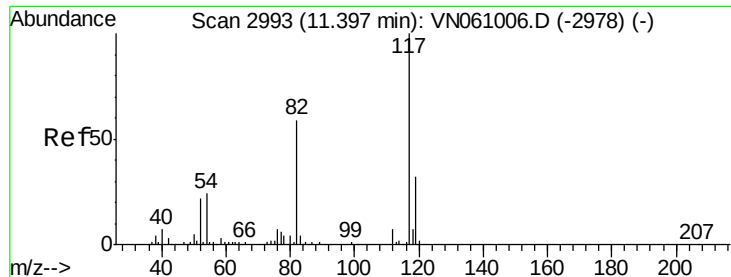
Tot Ion: 98 Resp: 303804  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 52.239 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN061068.D  
Acq: 17 Apr 2020 22:34

Tgt Ion: 95 Resp: 110627  
Ion Ratio Lower Upper  
95 100  
174 76.7 0.0 151.2  
176 74.6 0.0 148.2

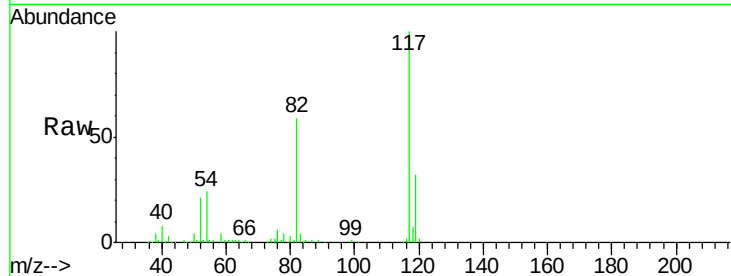




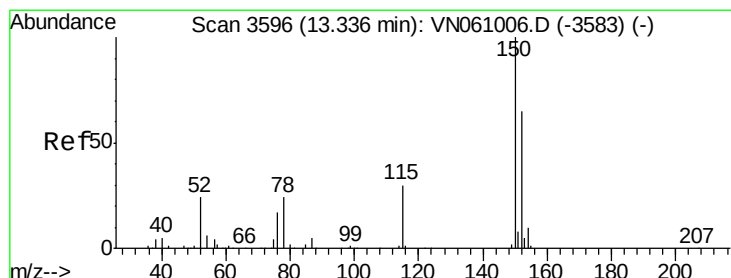
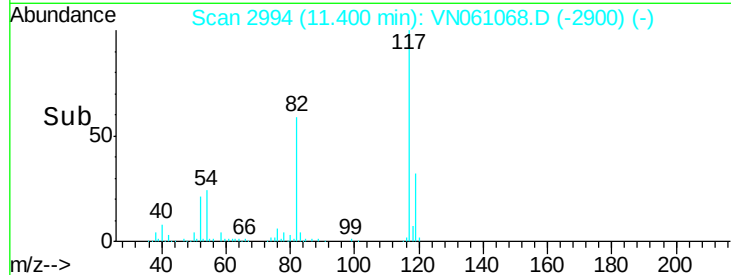
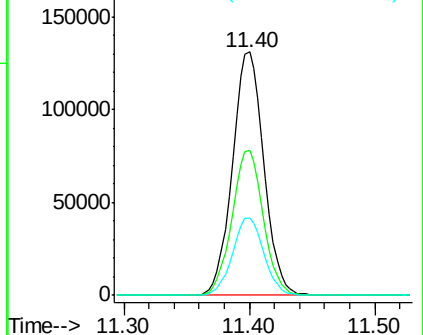
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN061068.D  
Acq: 17 Apr 2020 22:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0417WBL02

Tot Ion:117 Resp: 227291  
Ion Ratio Lower Upper  
117 100  
82 59.3 47.1 70.7  
119 31.8 25.7 38.5

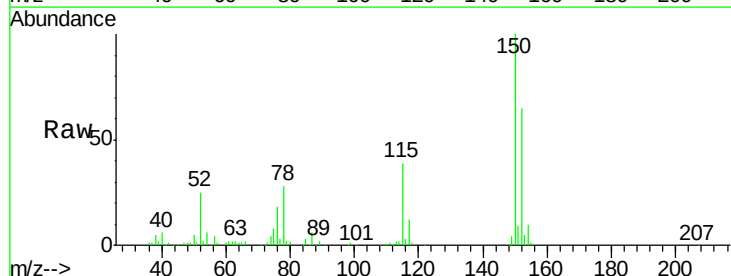


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN061068.D  
Acq: 17 Apr 2020 22:34

Tgt Ion:152 Resp: 98934  
Ion Ratio Lower Upper  
152 100  
115 61.0 30.8 92.4  
150 156.1 0.0 349.0



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

