

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\  
 Data File : VN060158.D  
 Acq On : 19 Feb 2020 17:02  
 Operator : JC/MD  
 Sample : L1601-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP

Quant Time: Feb 20 03:17:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 155693   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.56  | 114  | 241195   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 220279   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 93341    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 87671    | 46.28 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.56% |      |
| 35) Dibromofluoromethane    | 7.56   | 113 | 73837    | 49.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.60% |      |
| 50) Toluene-d8              | 10.08  | 98  | 288745   | 49.46 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.92% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 99792    | 46.51 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.02% |      |

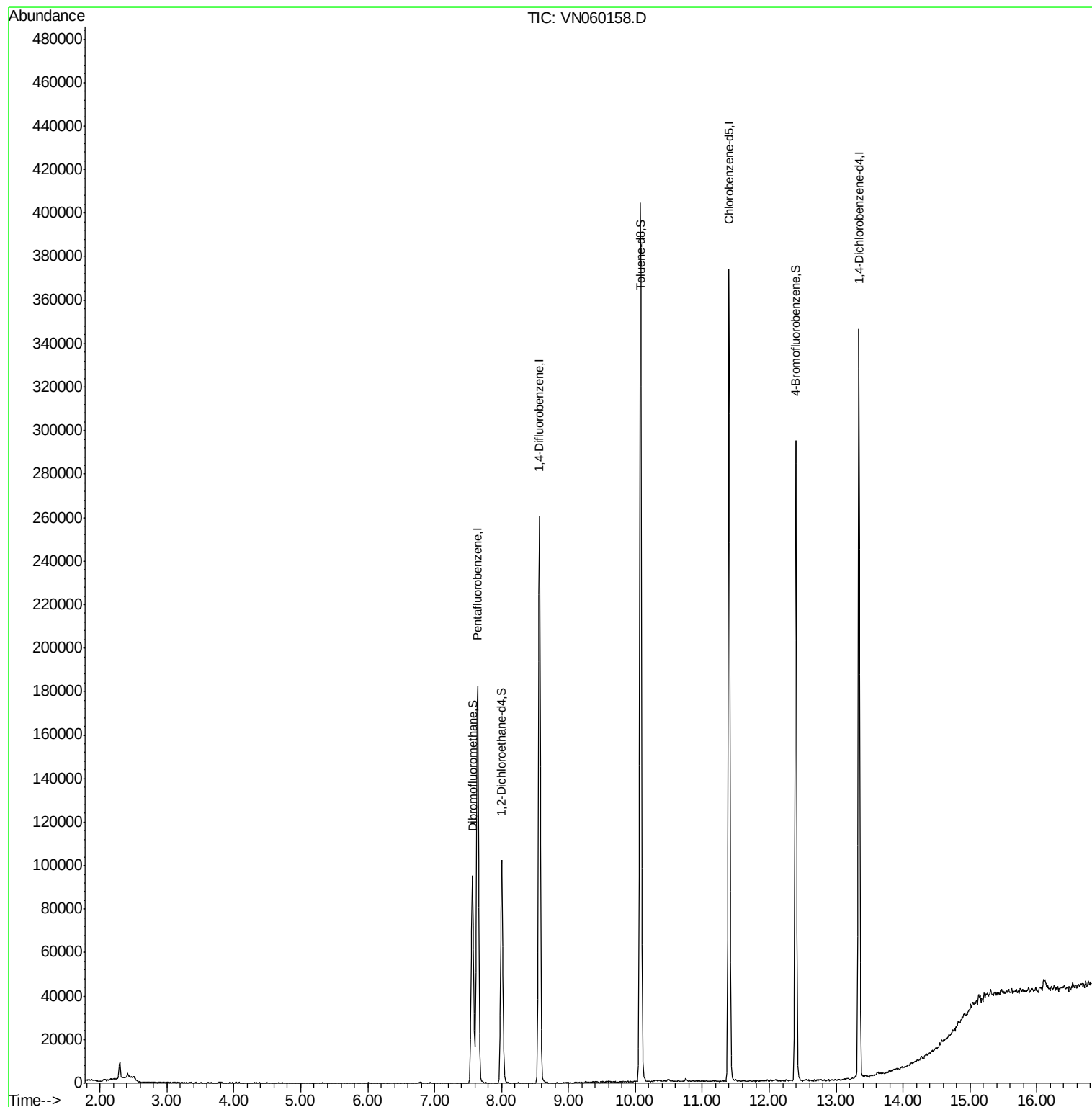
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

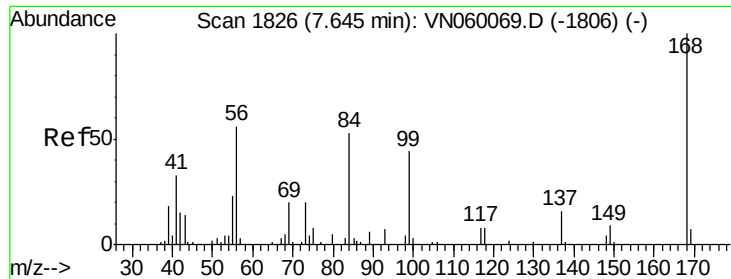
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021920\  
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Sample : L1601-08  
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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP

Quant Time: Feb 20 03:17:14 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 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: VN060158.D

Acq: 19 Feb 2020 17:02

Instrument :

MSVOA\_N

ClientSampled :

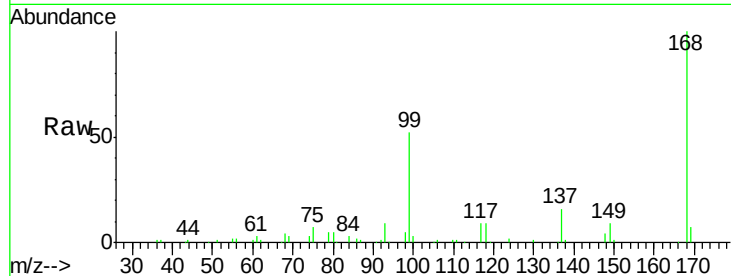
TRIP

Tot Ion:168 Resp: 155693

Ion Ratio Lower Upper

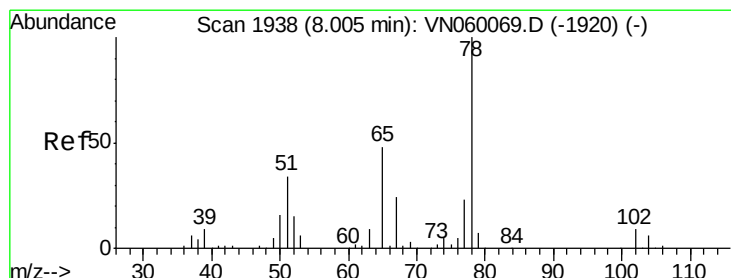
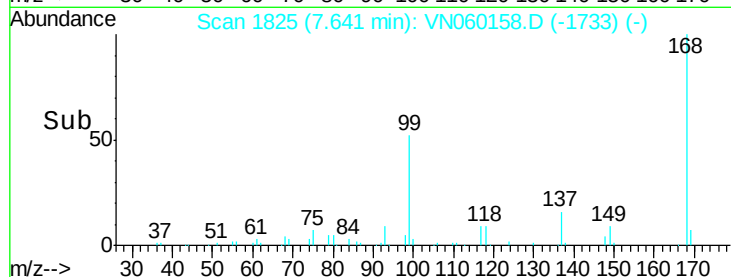
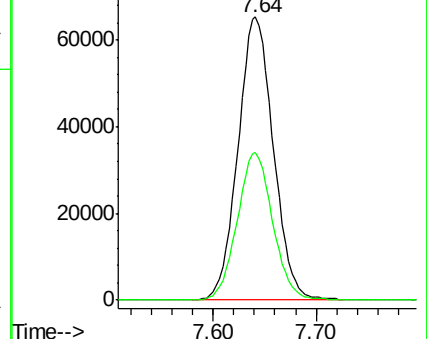
168 100

99 52.2 42.7 64.1



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: 46.276 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060158.D

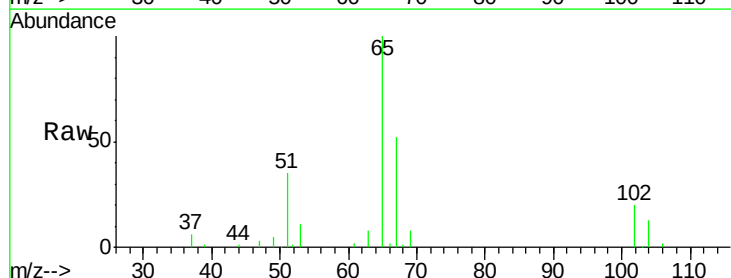
Acq: 19 Feb 2020 17:02

Tgt Ion: 65 Resp: 87671

Ion Ratio Lower Upper

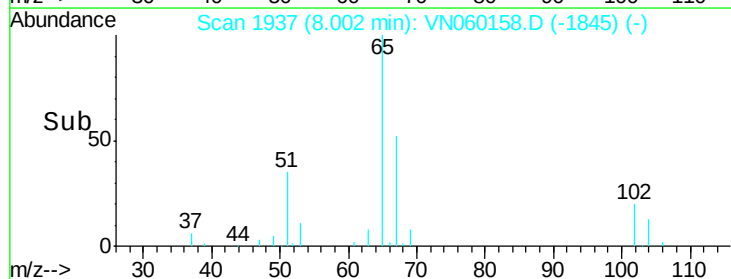
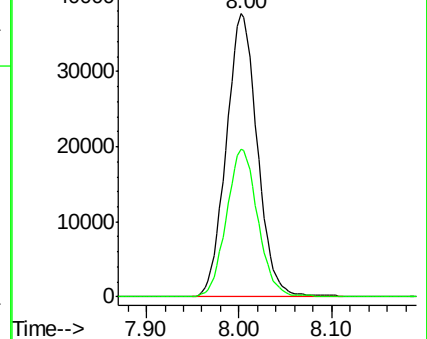
65 100

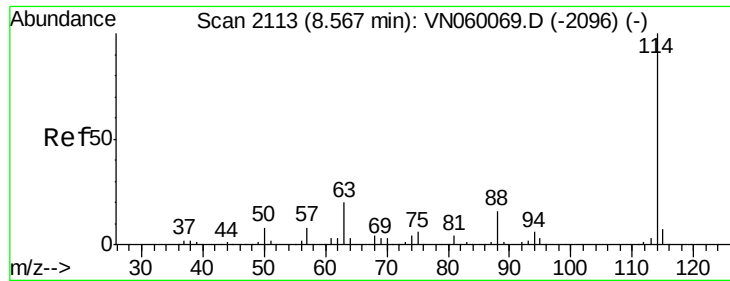
67 52.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

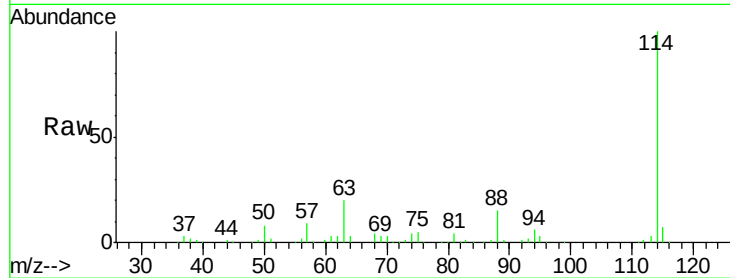




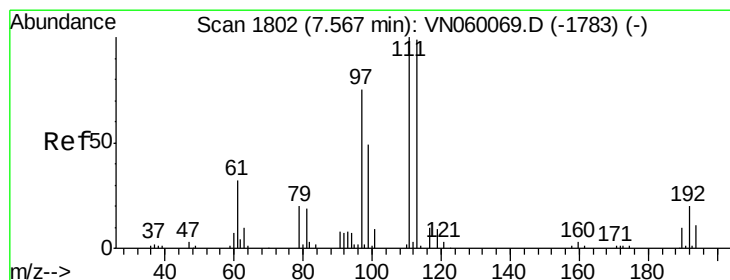
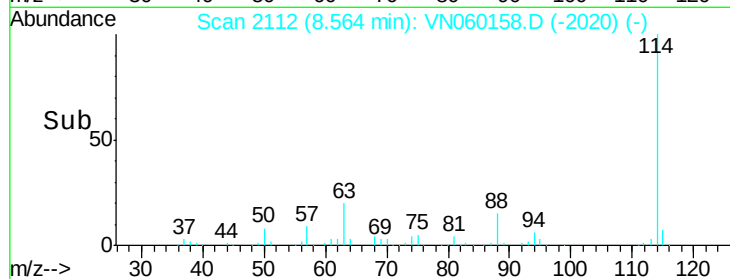
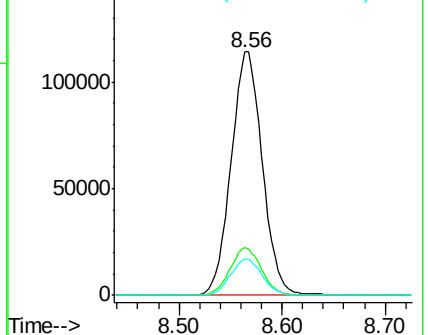
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.56 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP

Tot Ion:114 Resp: 241195  
Ion Ratio Lower Upper  
114 100  
63 19.5 0.0 40.0  
88 14.9 0.0 31.6

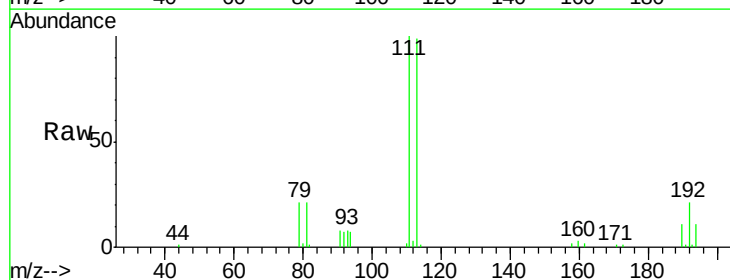


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

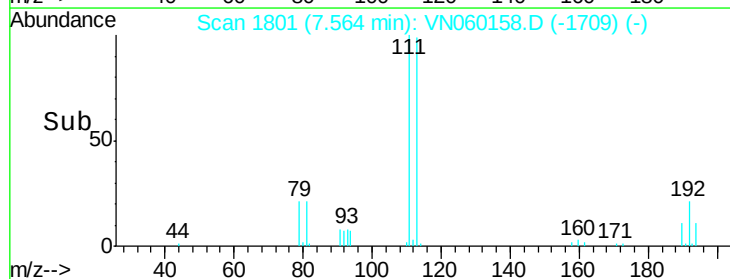
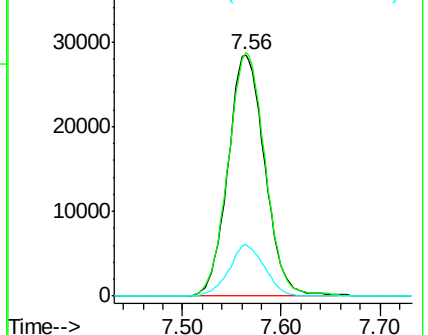


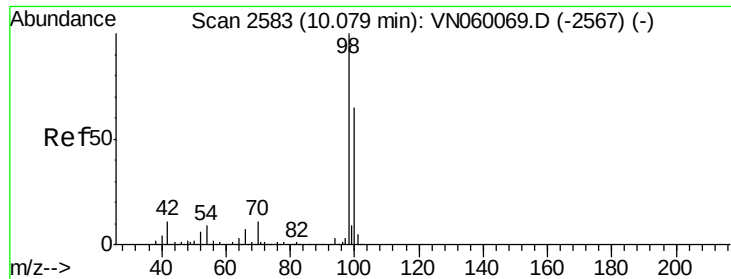
#35  
Dibromofluoromethane  
Concen: 49.801 ug/l  
RT: 7.56 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

Tgt Ion:113 Resp: 73837  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.4 122.2  
192 20.4 16.2 24.2



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

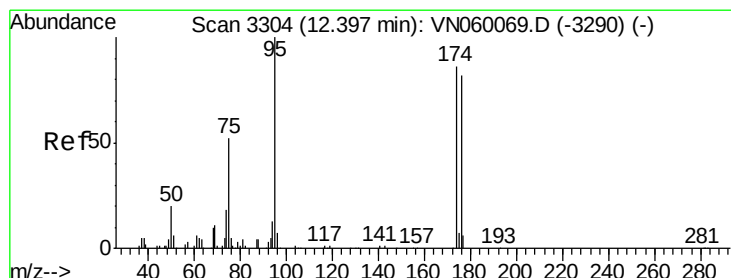
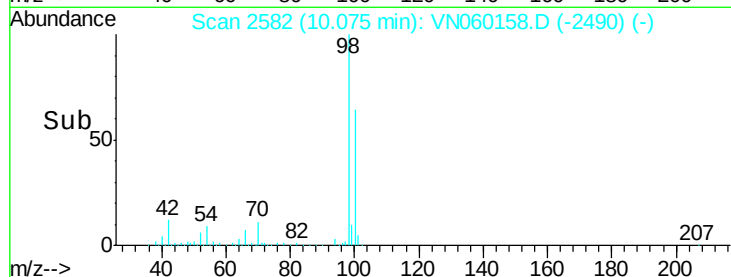
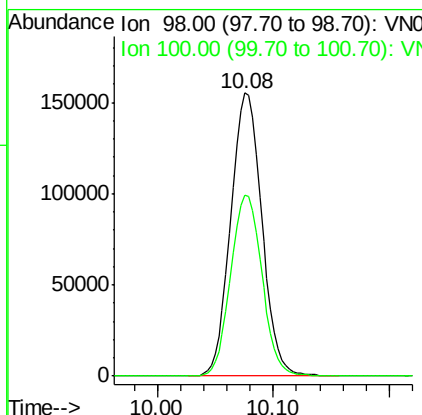
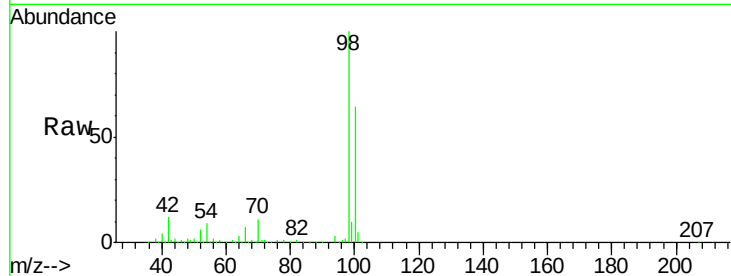




#50  
Toluene-d8  
Concen: 49.455 ug/l  
RT: 10.08 min Scan# 2582  
Delta R.T. -0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

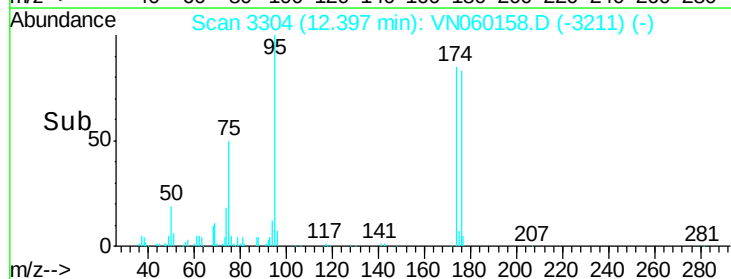
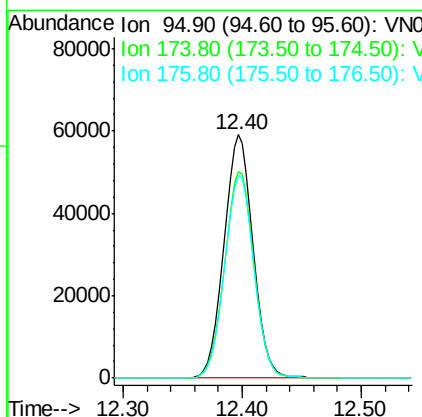
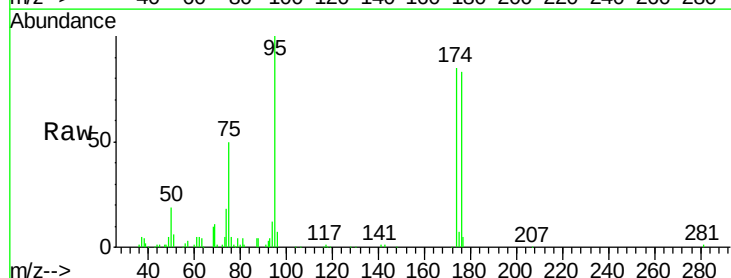
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP

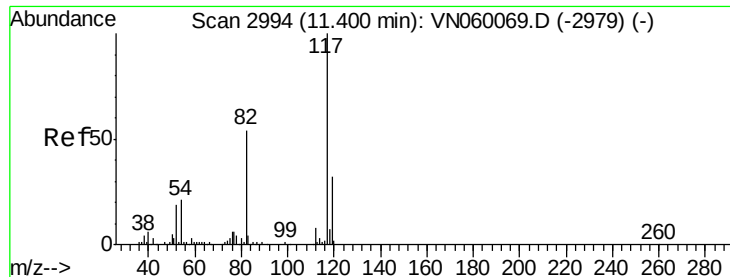
Tot Ion: 98 Resp: 288745  
Ion Ratio Lower Upper  
98 100  
100 64.4 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 46.515 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

Tgt Ion: 95 Resp: 99792  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 169.8  
176 84.3 0.0 164.8

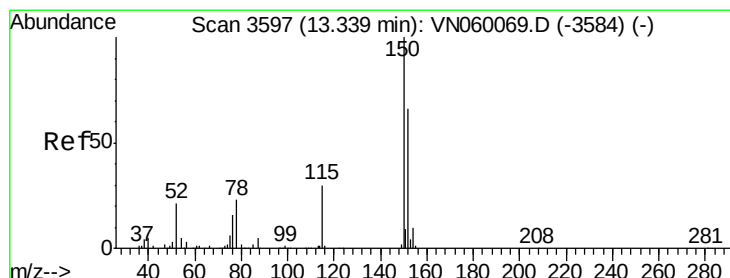
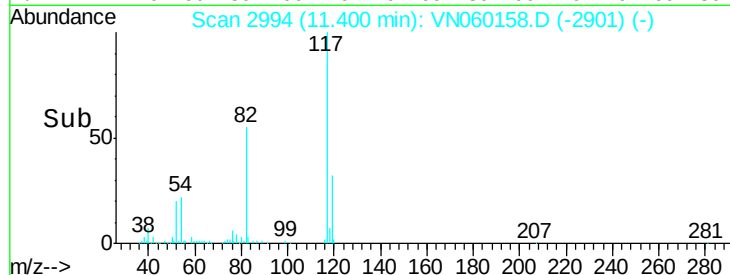
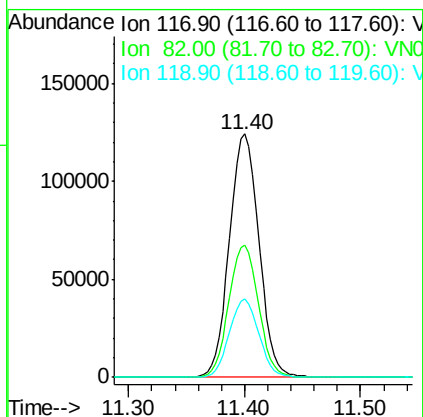
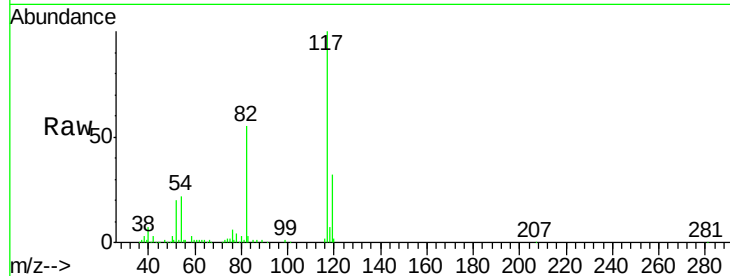




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRIP

Tot Ion:117 Resp: 220279  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.4 65.0  
119 32.0 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN060158.D  
Acq: 19 Feb 2020 17:02

Tgt Ion:152 Resp: 93341  
Ion Ratio Lower Upper  
152 100  
115 58.6 28.9 86.8  
150 158.2 0.0 342.4

