

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\  
 Data File : VN063651.D  
 Acq On : 25 Sep 2020 1:26  
 Operator : JC/MD  
 Sample : PB131859TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131859TB

Quant Time: Sep 25 06:02:39 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

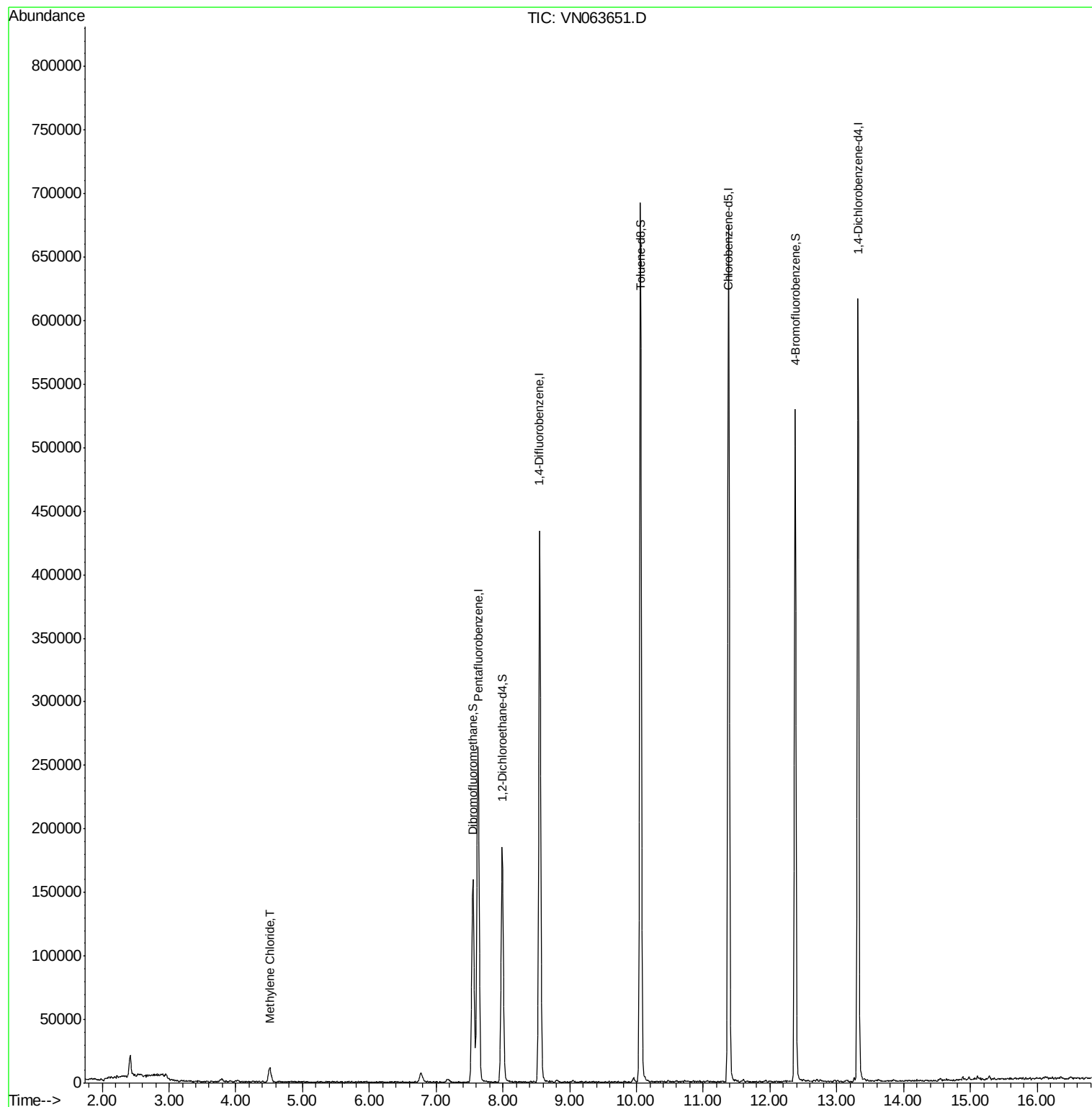
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 190521   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 355616   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 356622   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 144530   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 163954   | 50.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.10% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 120160   | 48.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.62%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 456522   | 49.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.64%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 174124   | 51.31 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.62% |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.51  | 84   | 7431     | 2.814 | ug/l    | 90       |

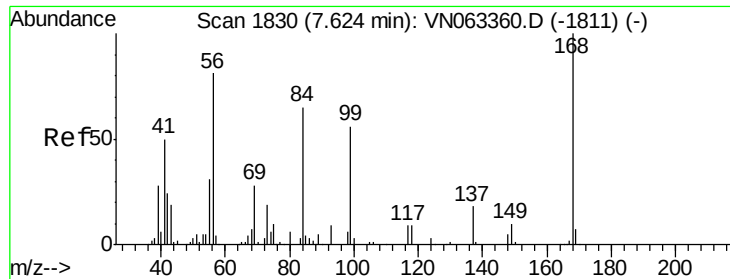
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 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: VN063651.D

Acq: 25 Sep 2020 1:26

Instrument :

MSVOA\_N

ClientSampleId :

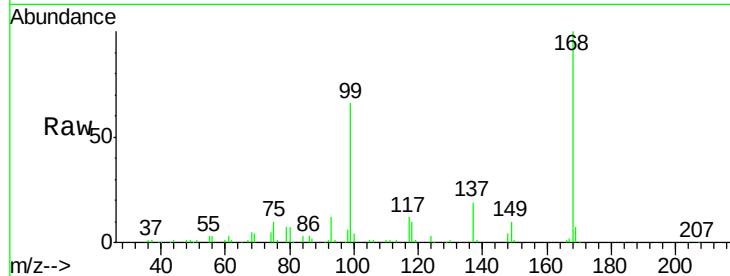
PB131859TB

Tot Ion:168 Resp: 190521

Ion Ratio Lower Upper

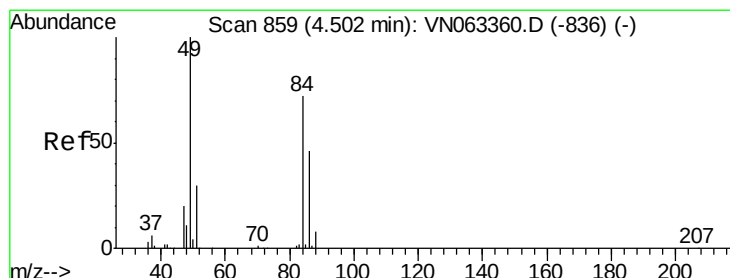
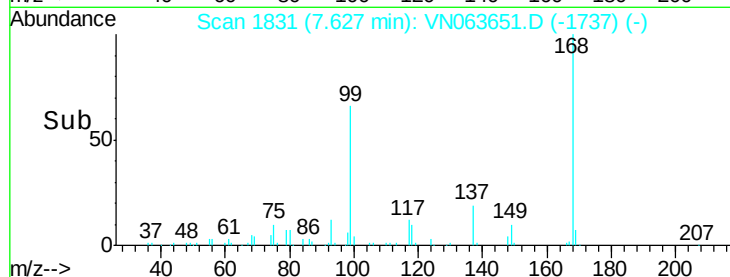
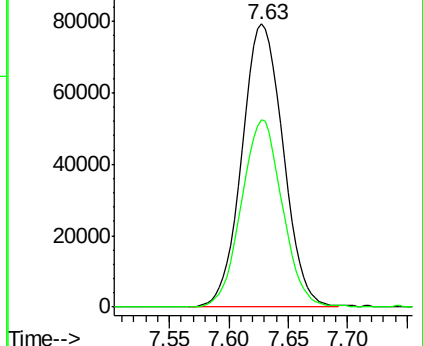
168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 2.814 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063651.D

Acq: 25 Sep 2020 1:26

Tgt Ion: 84 Resp: 7431

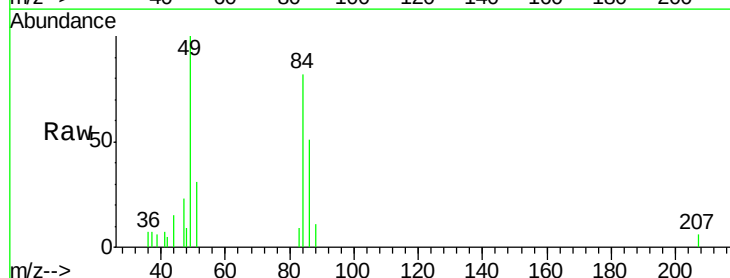
Ion Ratio Lower Upper

84 100

49 121.4 110.7 166.1

51 37.7 32.9 49.3

86 62.2 51.1 76.7

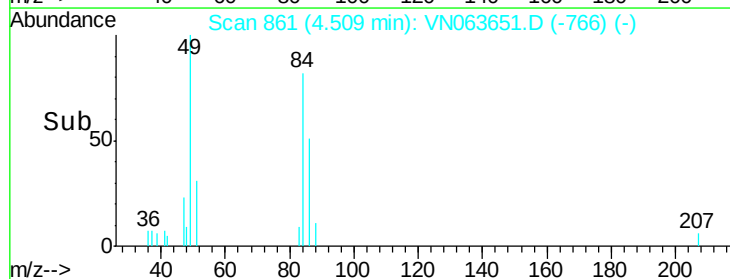
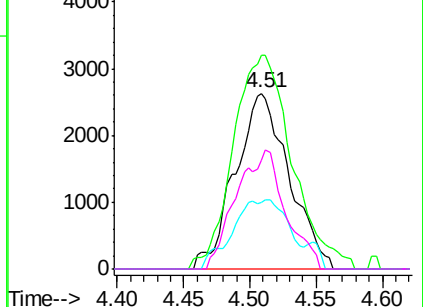


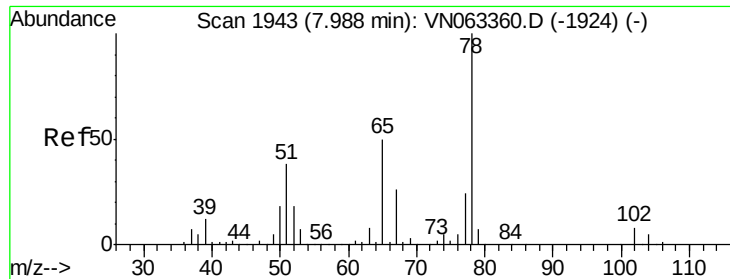
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

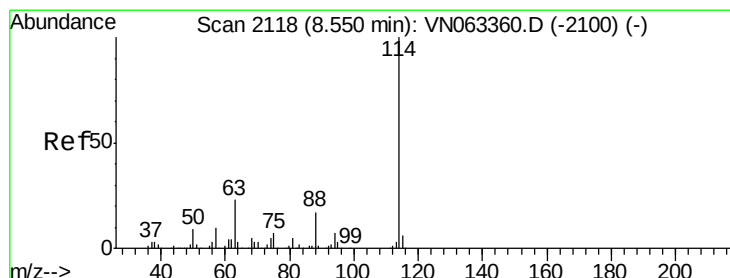
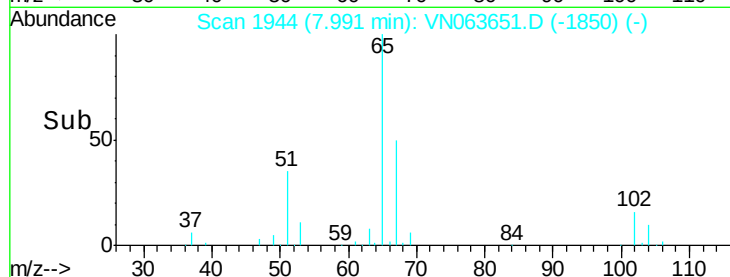
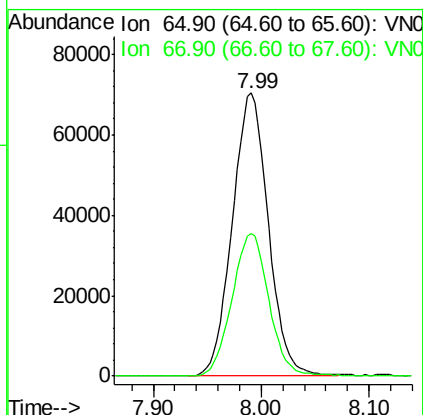
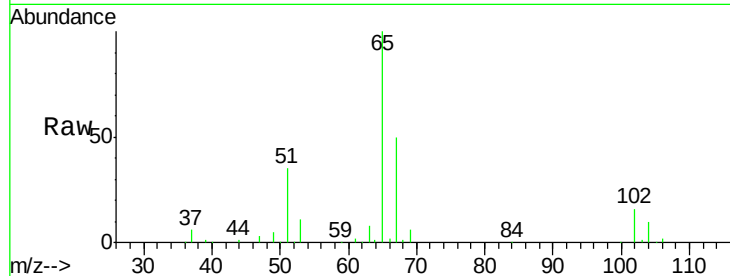




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.554 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN063651.D  
 Acq: 25 Sep 2020 1:26

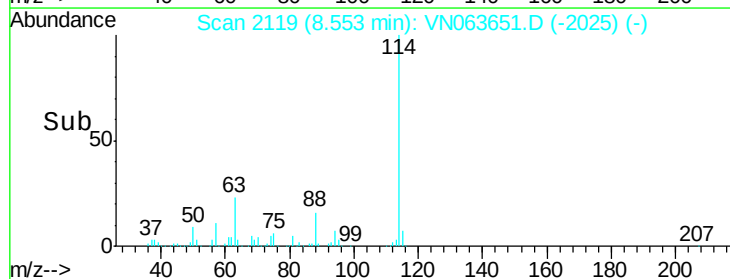
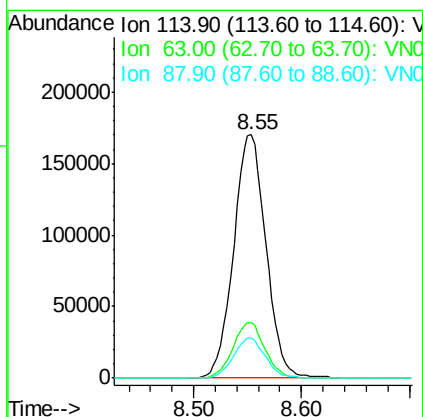
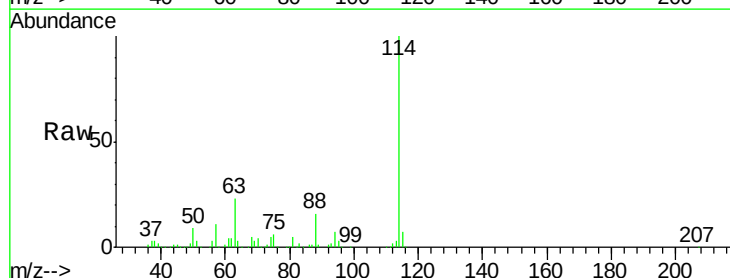
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131859TB

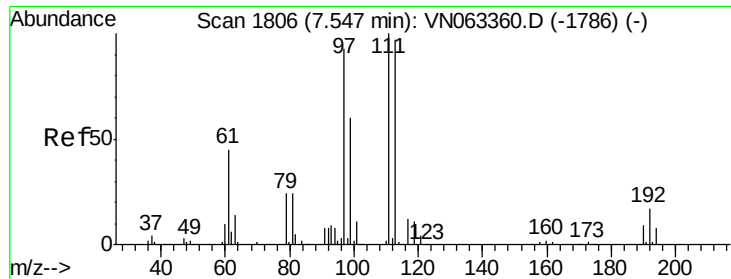
Tot Ion: 65 Resp: 163954  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN063651.D  
 Acq: 25 Sep 2020 1:26

Tgt Ion: 114 Resp: 355616  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 46.4  
 88 16.4 0.0 33.2

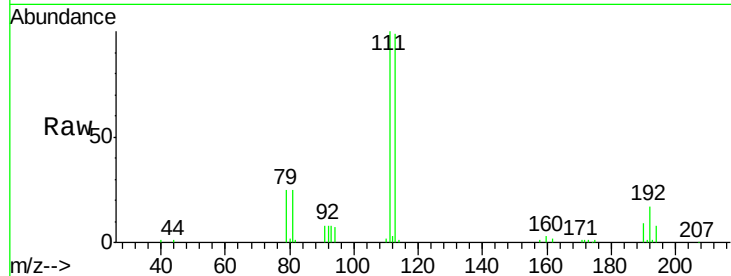




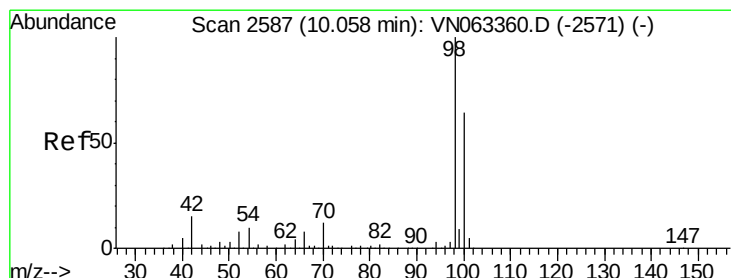
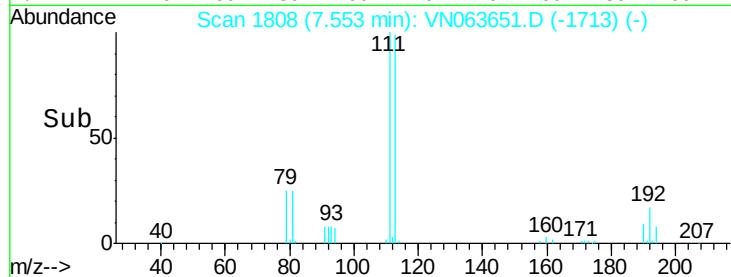
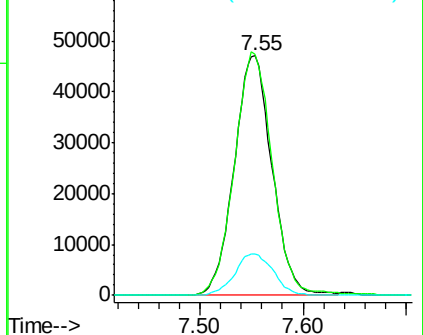
#35  
 Dibromofluoromethane  
 Concen: 48.809 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN063651.D  
 Acq: 25 Sep 2020 1:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB131859TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.5 | 82.9  | 124.3 |
| 192     | 17.6  | 13.9  | 20.9  |

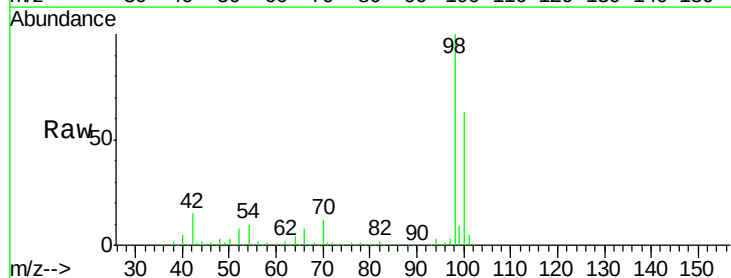


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

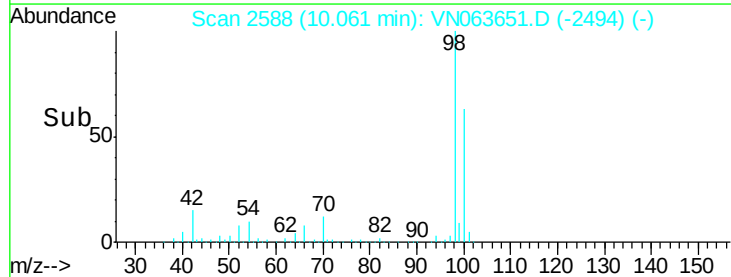
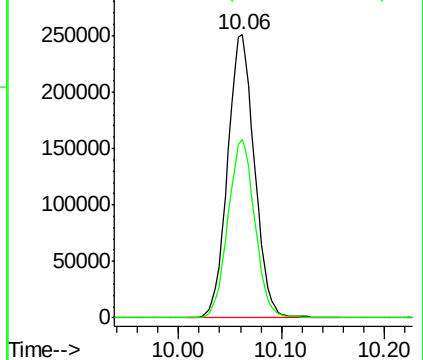


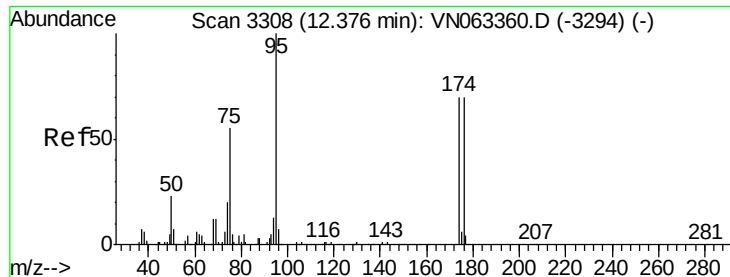
#50  
 Toluene-d8  
 Concen: 49.316 ug/l  
 RT: 10.06 min Scan# 2588  
 Delta R.T. 0.00 min  
 Lab File: VN063651.D  
 Acq: 25 Sep 2020 1:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.8  | 50.7  | 76.1  |



Abundance Ion 98.00 (97.70 to 98.70): VN  
 Ion 100.00 (99.70 to 100.70): VN

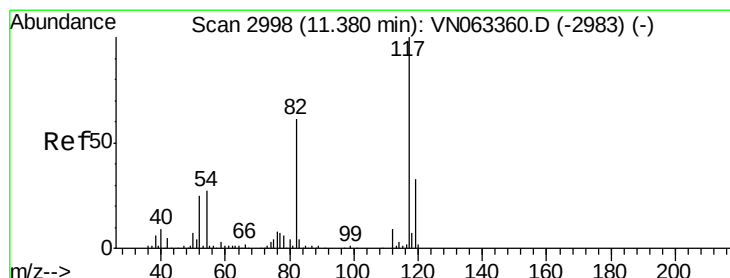
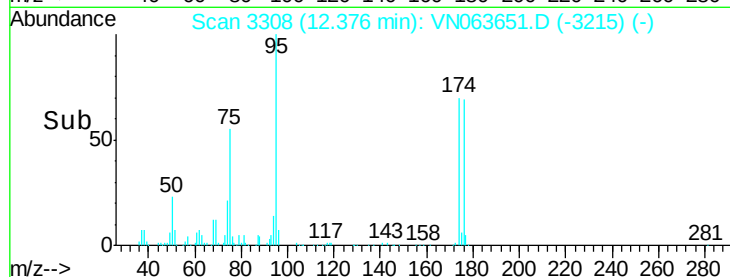
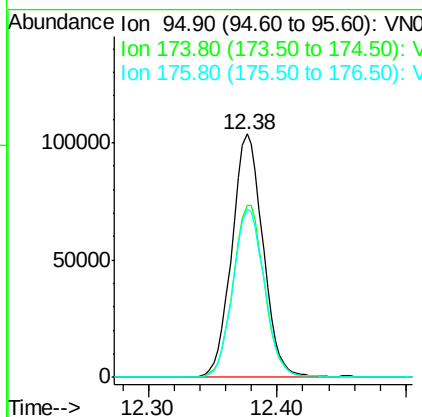
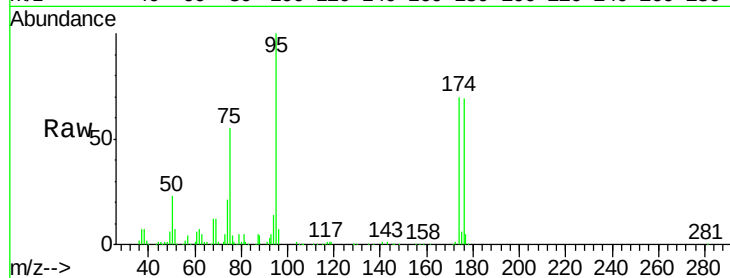




#62  
4-Bromofluorobenzene  
Concen: 51.312 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN063651.D  
Acq: 25 Sep 2020 1:26

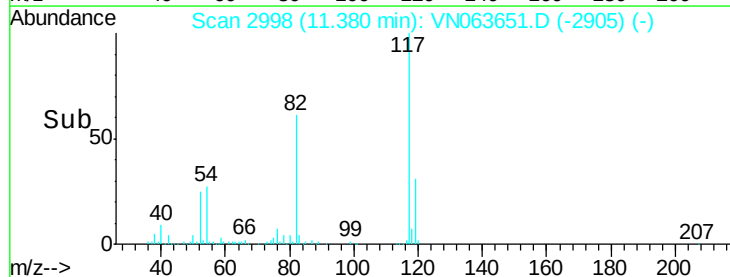
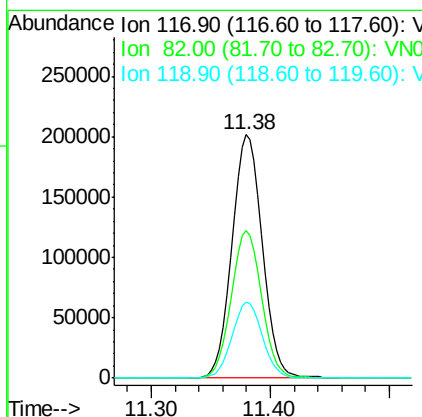
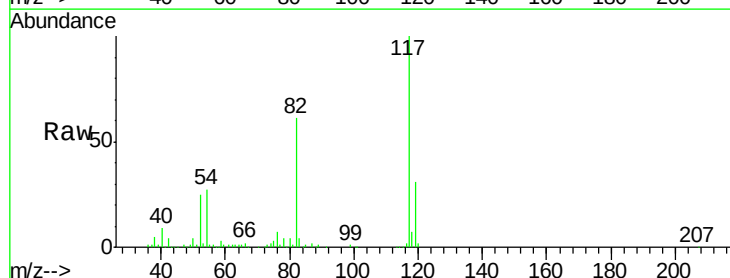
Instrument :  
MSVOA\_N  
ClientSampled :  
PB131859TB

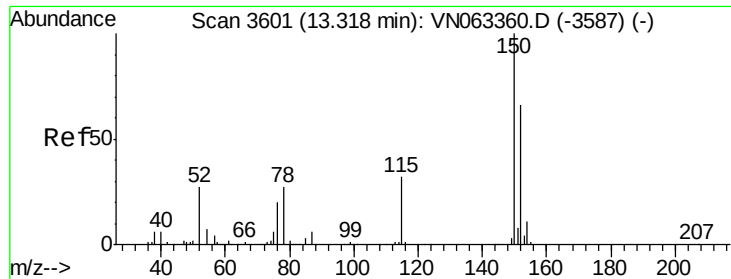
Tot Ion: 95 Resp: 174124  
Ion Ratio Lower Upper  
95 100  
174 71.5 0.0 140.8  
176 70.0 0.0 137.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063651.D  
Acq: 25 Sep 2020 1:26

Tgt Ion: 117 Resp: 356622  
Ion Ratio Lower Upper  
117 100  
82 60.8 49.2 73.8  
119 31.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063651.D

Acq: 25 Sep 2020 1:26

Instrument :

MSVOA\_N

ClientSampleId :

PB131859TB

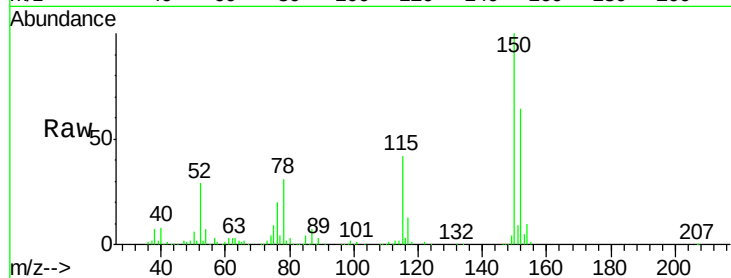
Tot Ion:152 Resp: 144530

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

150 159.8 0.0 343.4



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

