

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN090920\  
 Data File : VN063272.D  
 Acq On : 9 Sep 2020 10:48  
 Operator : JC/MD  
 Sample : VN0909MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0909MBL01

Quant Time: Sep 09 15:51:00 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      | 7.62  | 168  | 370025   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 694882   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 652795   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 253895   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.98  | 65   | 287959   | 47.61 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.22%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 226788   | 50.87 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.74% |          |
| 50) Toluene-d8              | 10.06 | 98   | 886130   | 51.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.28% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 319824   | 53.28 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.56% |          |

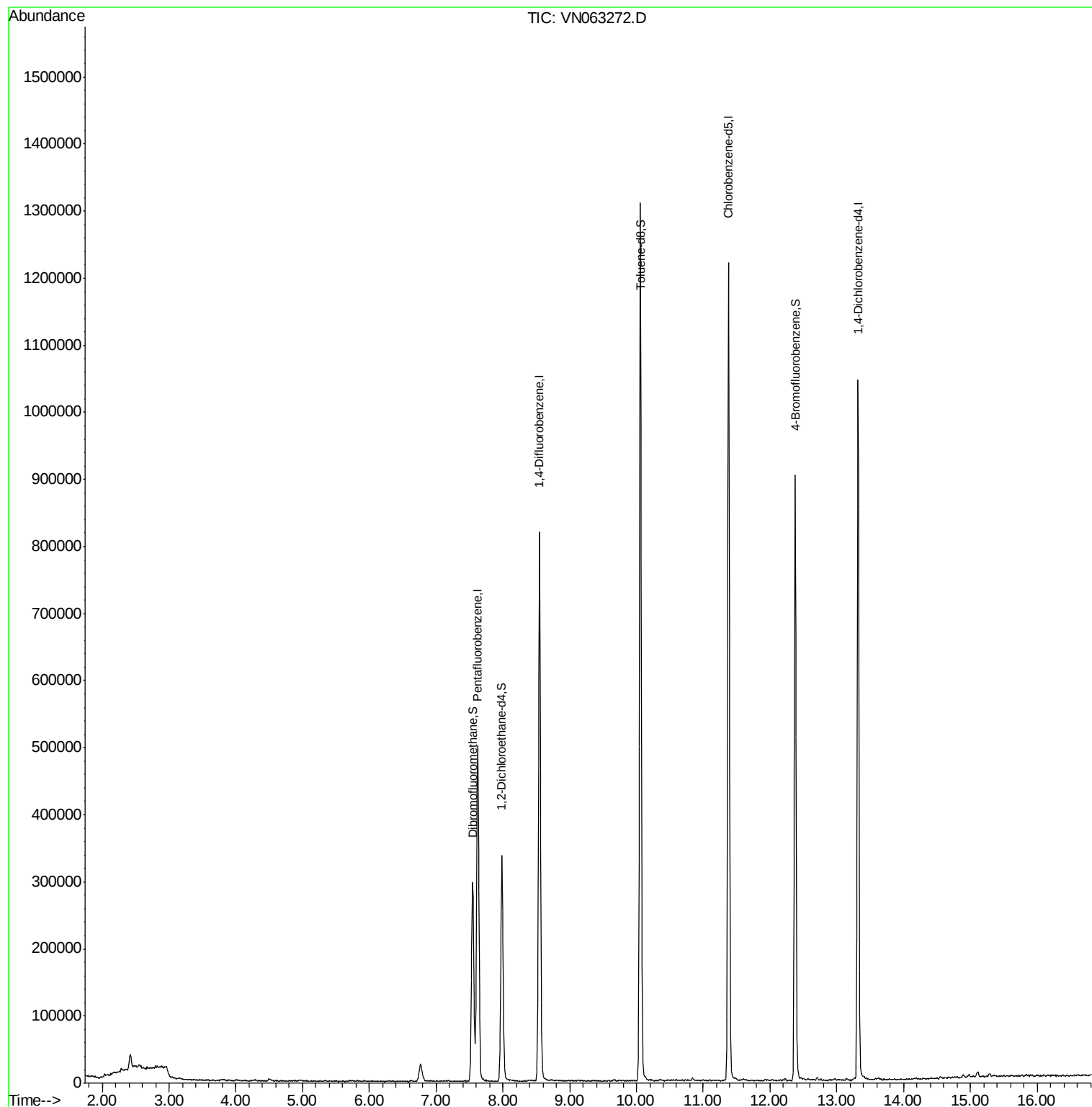
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

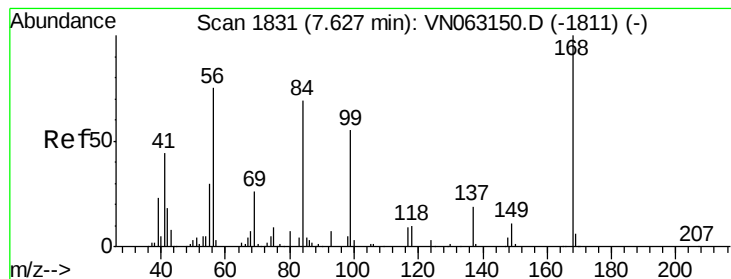
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA\_N

ClientSampled :

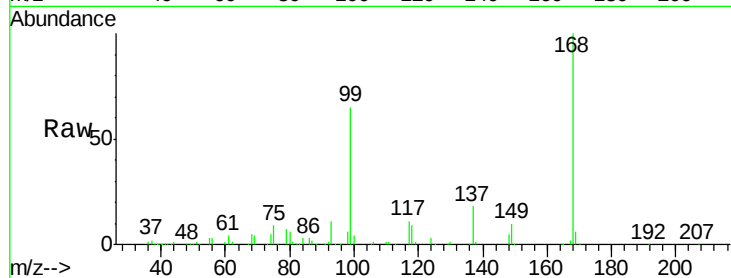
VN0909MBL01

Tot Ion:168 Resp: 370025

Ion Ratio Lower Upper

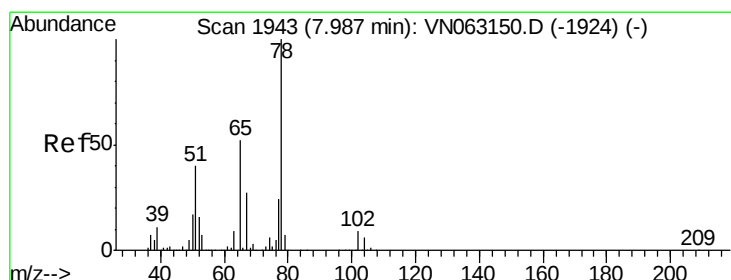
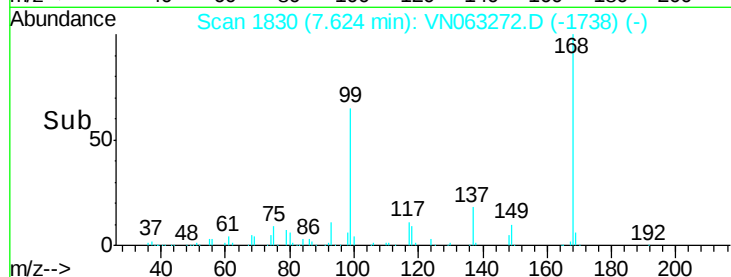
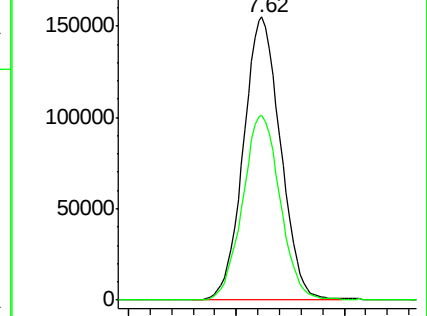
168 100

99 65.2 54.2 81.2



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: 47.606 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063272.D

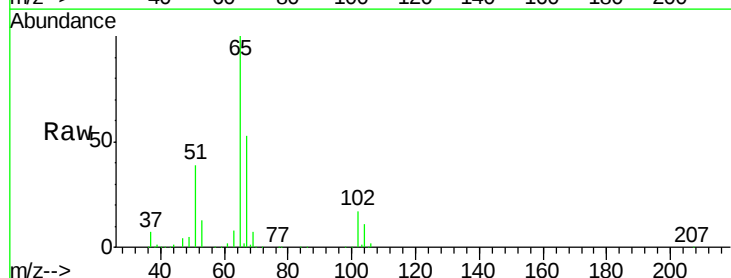
Acq: 9 Sep 2020 10:48

Tgt Ion: 65 Resp: 287959

Ion Ratio Lower Upper

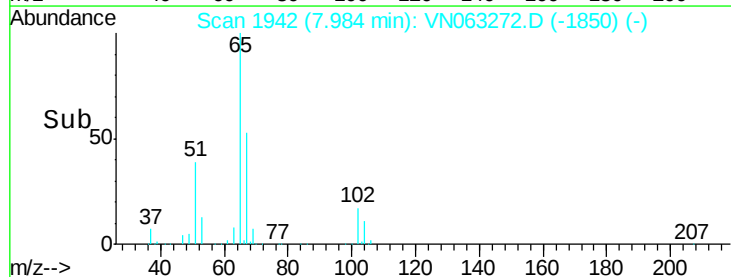
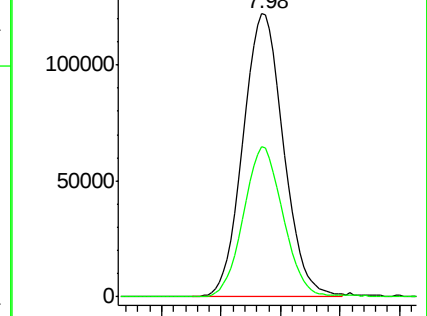
65 100

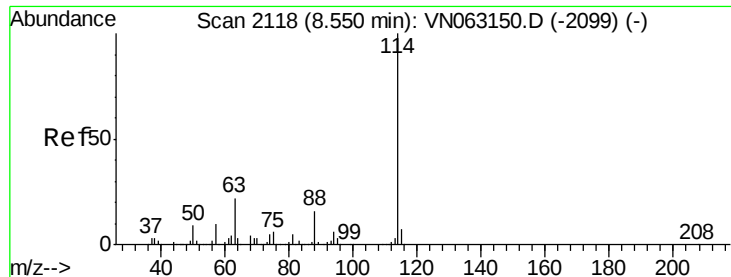
67 51.7 0.0 104.4



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: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA\_N

ClientSampleId :

VN0909MBL01

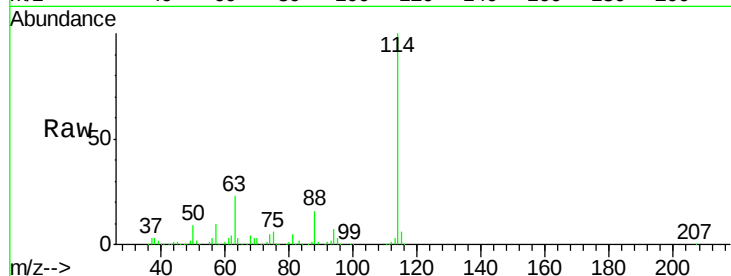
Tot Ion:114 Resp: 694882

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.0

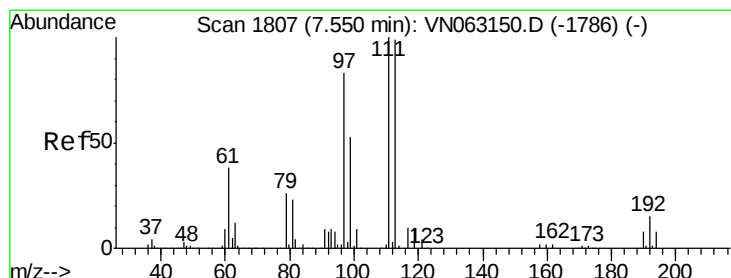
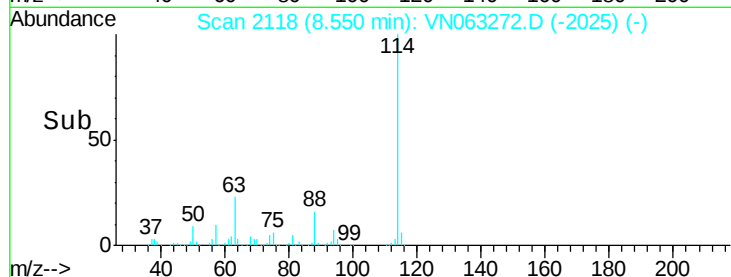
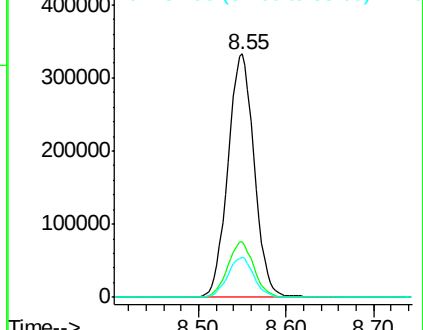
88 16.3 0.0 31.6



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: 50.872 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

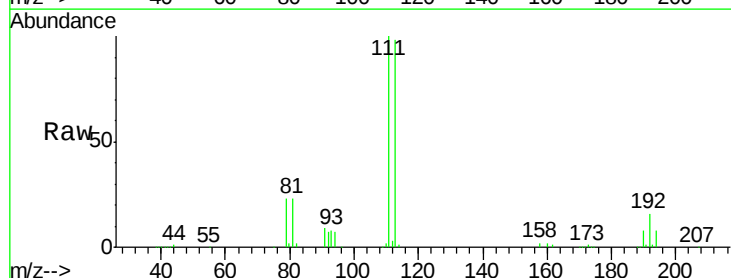
Tgt Ion:113 Resp: 226788

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

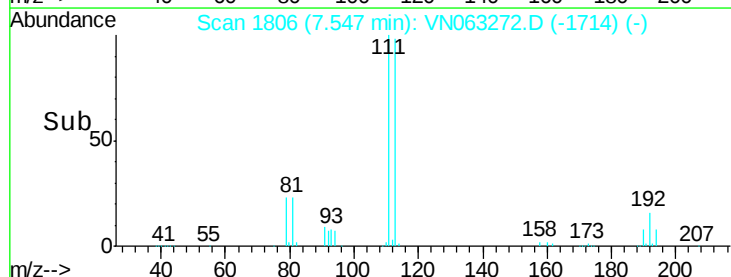
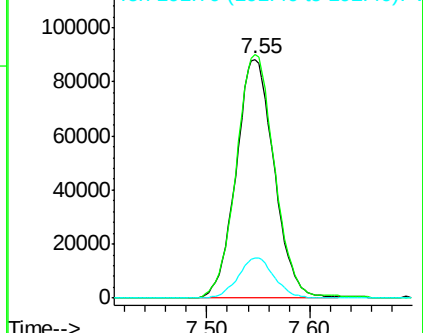
192 16.0 12.6 19.0

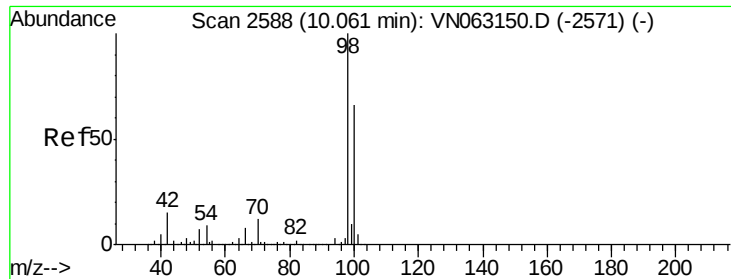


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.642 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

Instrument :

MSVOA\_N

ClientSampled :

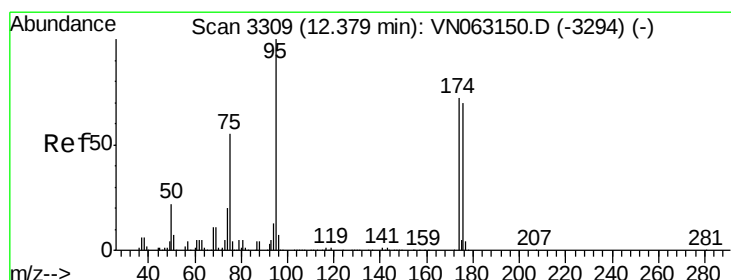
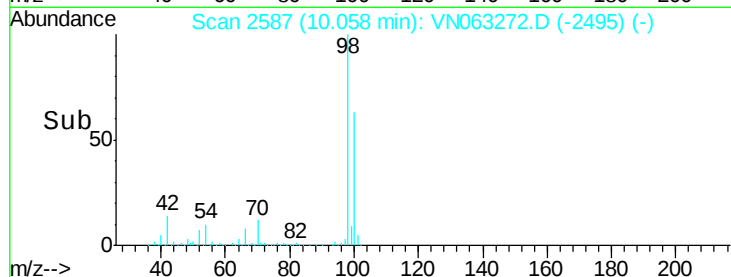
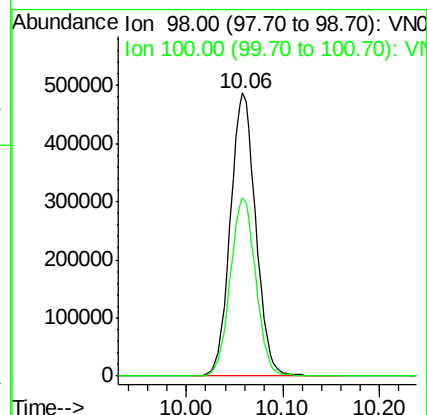
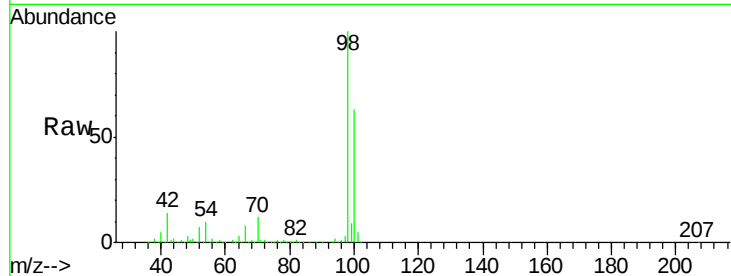
VN0909MBL01

Tot Ion: 98 Resp: 886130

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.284 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063272.D

Acq: 9 Sep 2020 10:48

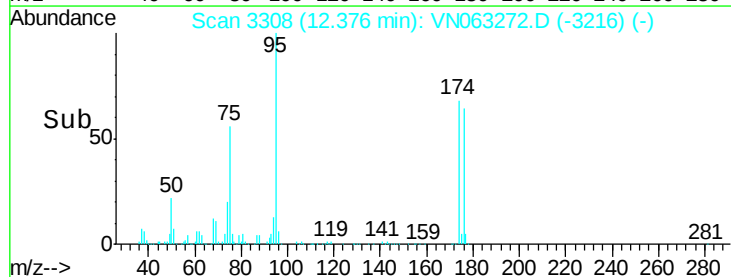
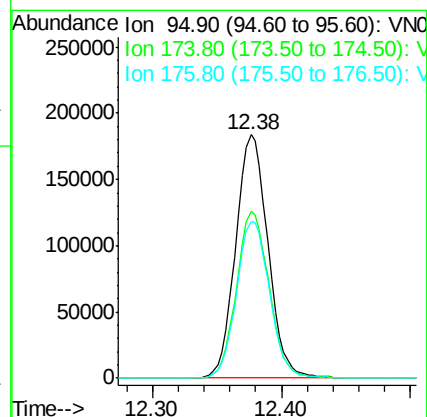
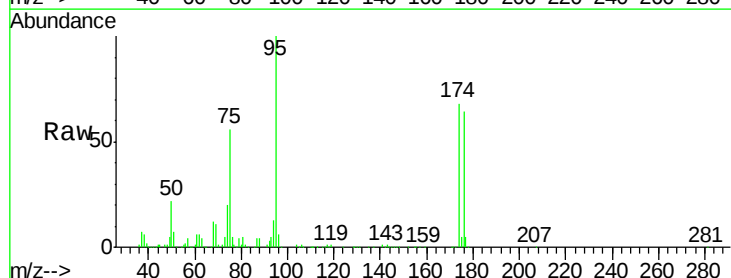
Tgt Ion: 95 Resp: 319824

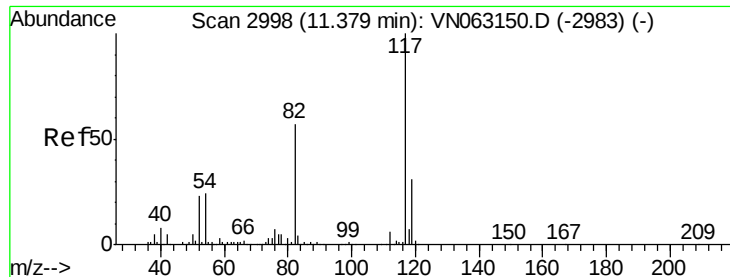
Ion Ratio Lower Upper

95 100

174 69.2 0.0 143.8

176 66.0 0.0 138.4

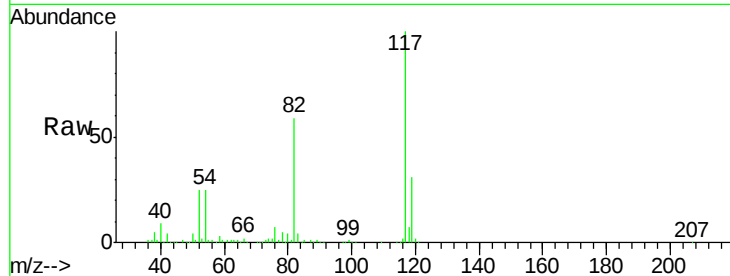




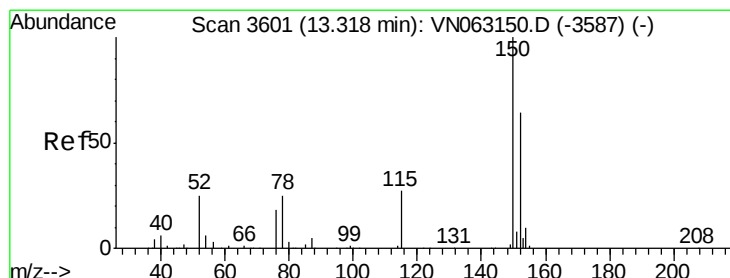
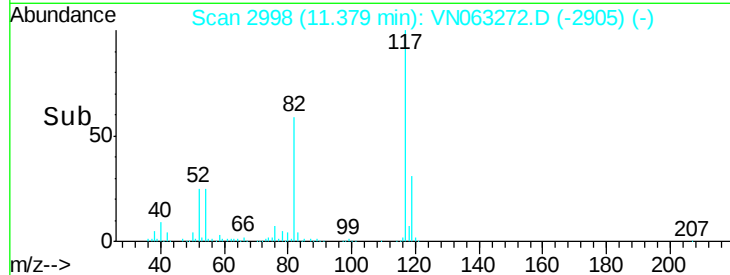
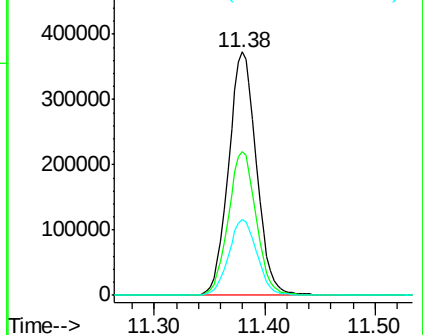
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063272.D  
Acq: 9 Sep 2020 10:48

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0909MBL01

Tot Ion:117 Resp: 652795  
Ion Ratio Lower Upper  
117 100  
82 59.2 45.4 68.0  
119 31.1 24.6 37.0

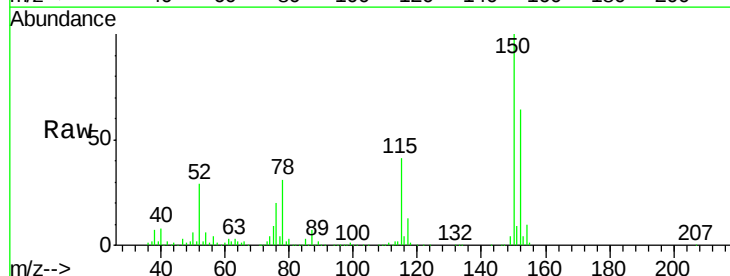


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063272.D  
Acq: 9 Sep 2020 10:48

Tgt Ion:152 Resp: 253895  
Ion Ratio Lower Upper  
152 100  
115 65.7 32.0 96.2  
150 159.5 0.0 353.0



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

