

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090220\  
 Data File : VN063200.D  
 Acq On : 2 Sep 2020 17:05  
 Operator : JC/MD  
 Sample : L3889-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB181-GW-843-845

Quant Time: Sep 03 07:14:24 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      | 7.63  | 168  | 307668   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 609516   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 600263   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 233140   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 254635   | 50.63 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.26% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 194690   | 49.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.58%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 773638   | 51.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.80% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 270589   | 51.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 102.78% |          |

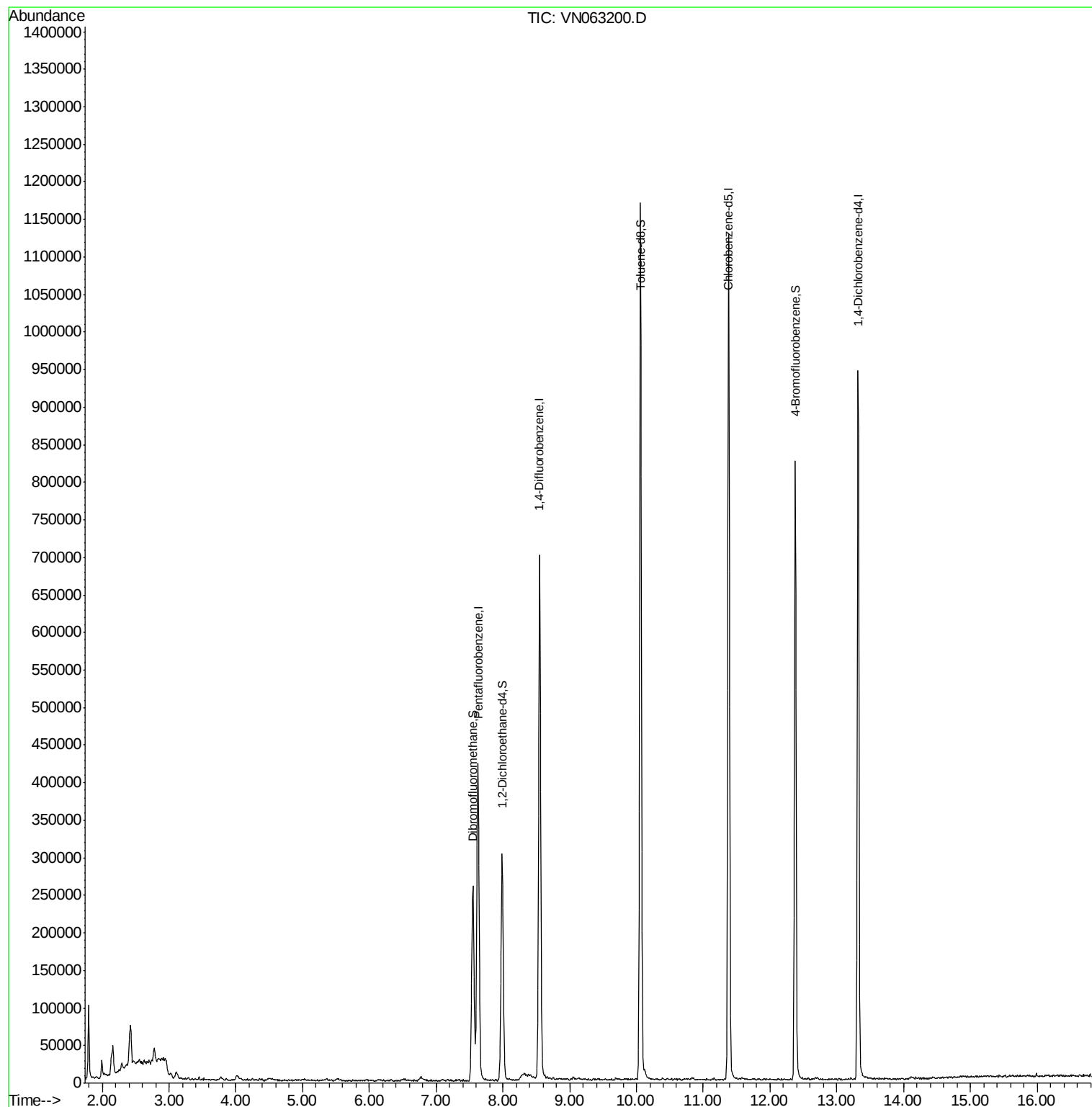
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

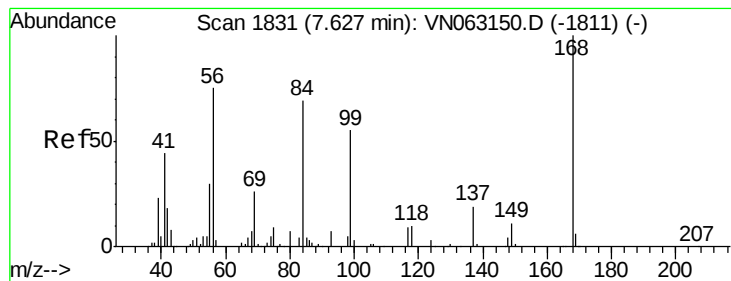
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 01 04:21:28 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: VN063200.D

Acq: 2 Sep 2020 17:05

Instrument :

MSVOA\_N

ClientSampleId :

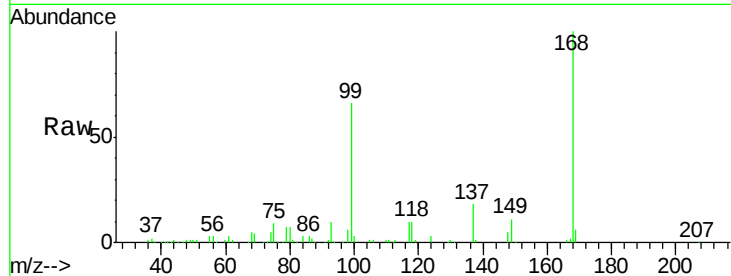
BP-VPB181-GW-843-845

Tot Ion:168 Resp: 307668

Ion Ratio Lower Upper

168 100

99 65.9 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN063200.D (-1738) (-)

Ion 98.90 (98.60 to 99.60): VN063200.D (-1738) (-)

7.63

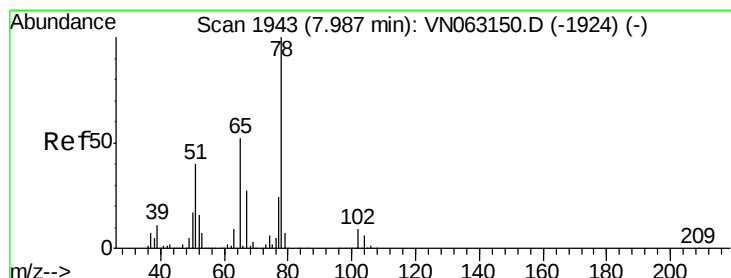
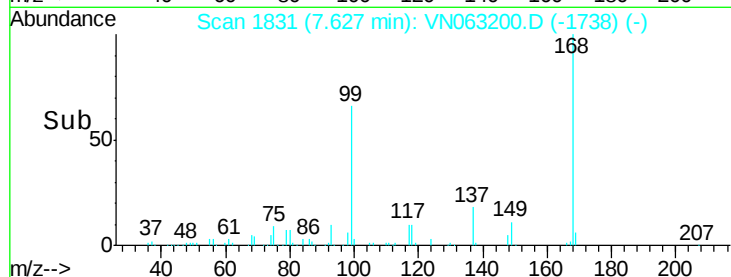
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#33

1,2-Dichloroethane-d4

Concen: 50.629 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063200.D

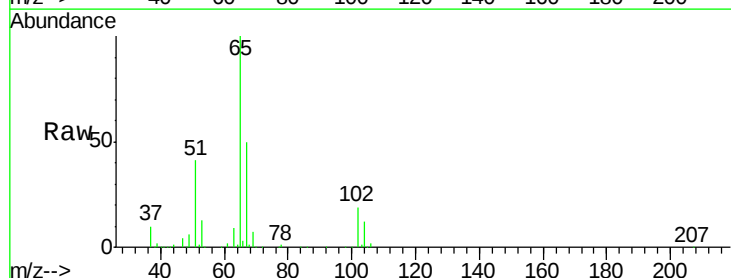
Acq: 2 Sep 2020 17:05

Tgt Ion: 65 Resp: 254635

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN063200.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN063200.D (-1850) (-)

7.99

120000

100000

80000

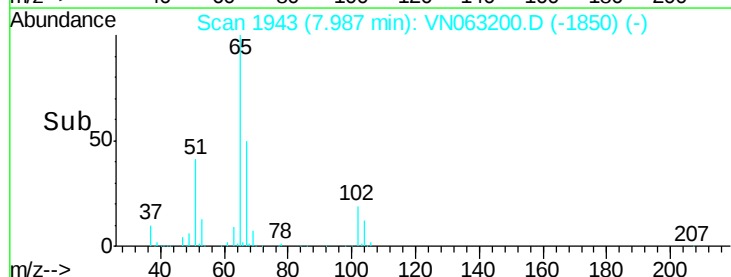
60000

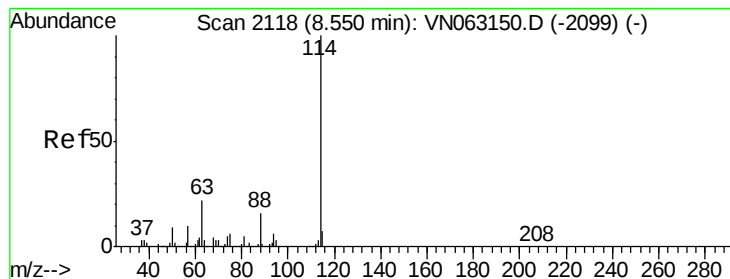
40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063200.D

Acq: 2 Sep 2020 17:05

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB181-GW-843-845

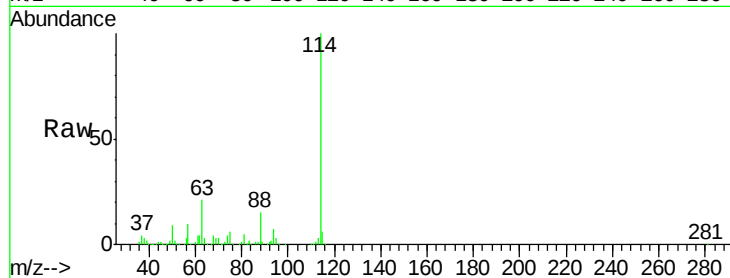
Tot Ion:114 Resp: 609516

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

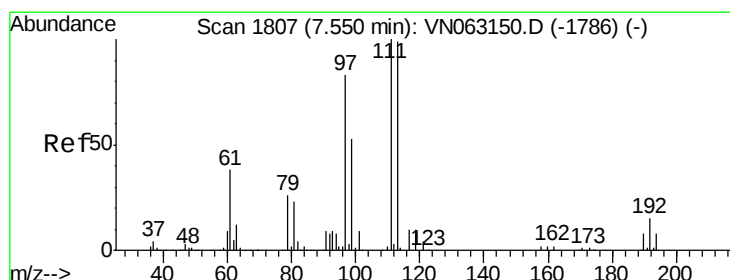
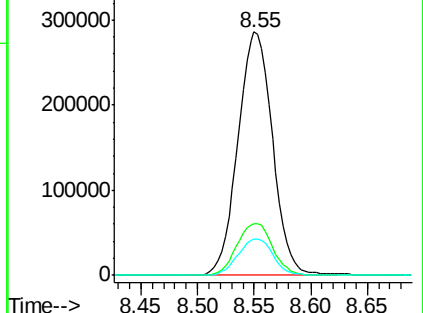
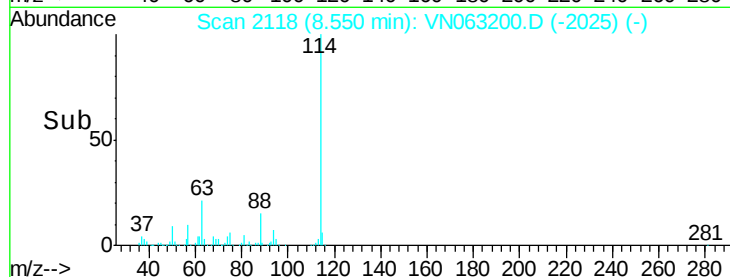
88 15.0 0.0 31.6



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: 49.788 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063200.D

Acq: 2 Sep 2020 17:05

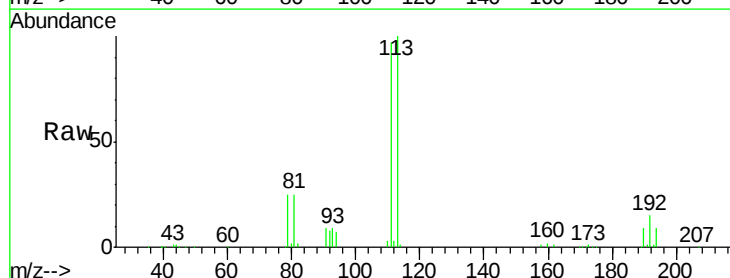
Tgt Ion:113 Resp: 194690

Ion Ratio Lower Upper

113 100

111 101.1 80.7 121.1

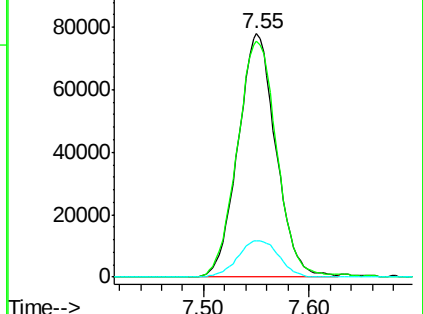
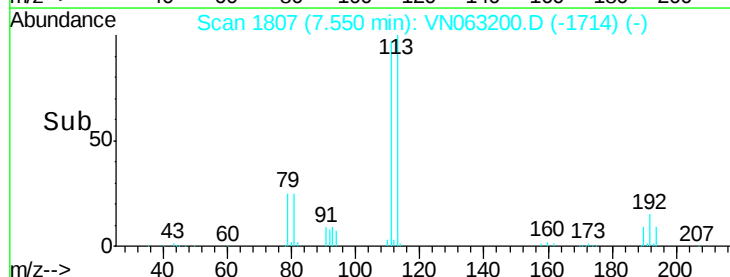
192 16.3 12.6 19.0

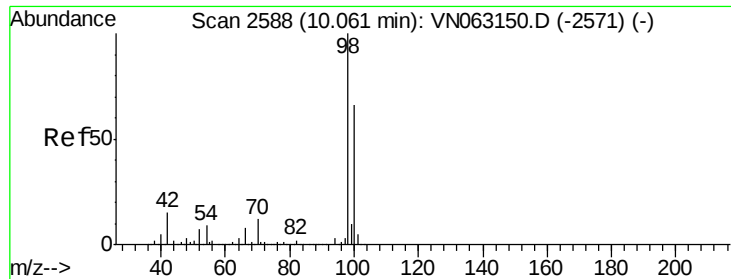


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.401 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063200.D

Acq: 2 Sep 2020 17:05

Instrument :

MSVOA\_N

ClientSampleId :

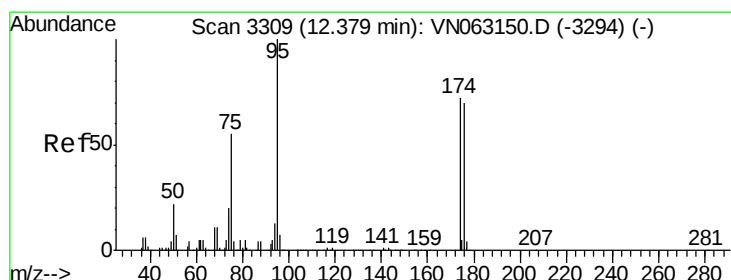
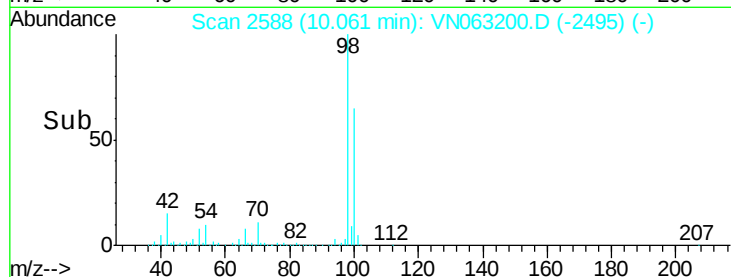
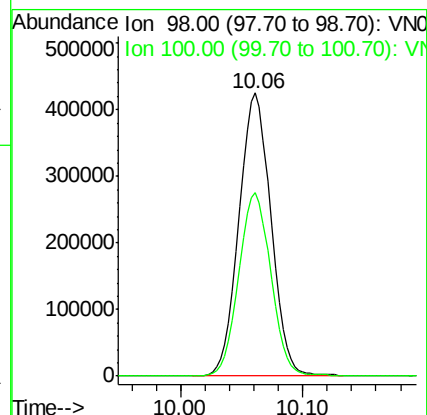
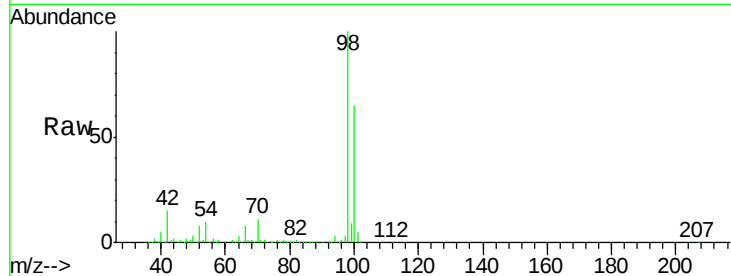
BP-VPB181-GW-843-845

Tot Ion: 98 Resp: 773638

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.395 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063200.D

Acq: 2 Sep 2020 17:05

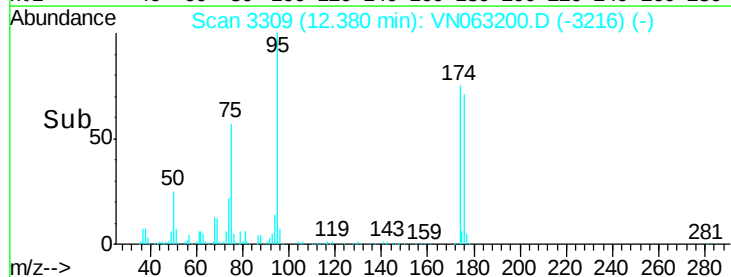
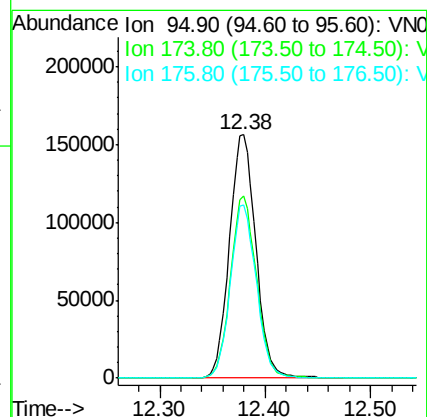
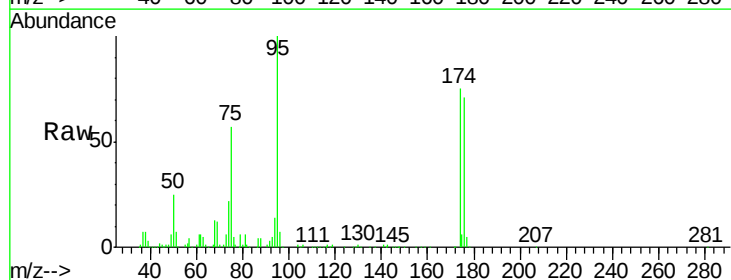
Tgt Ion: 95 Resp: 270589

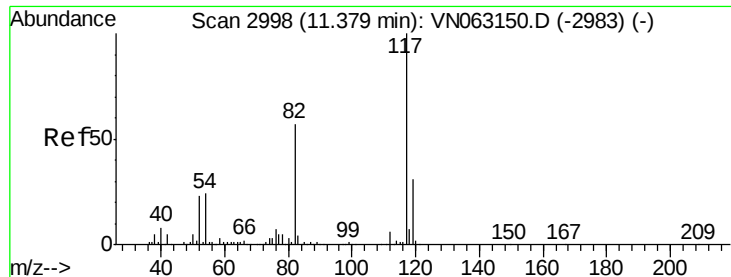
Ion Ratio Lower Upper

95 100

174 73.7 0.0 143.8

176 69.9 0.0 138.4

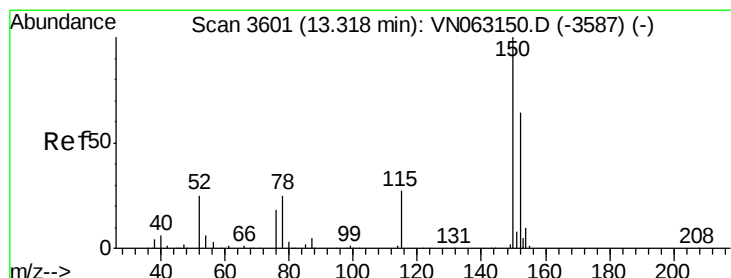
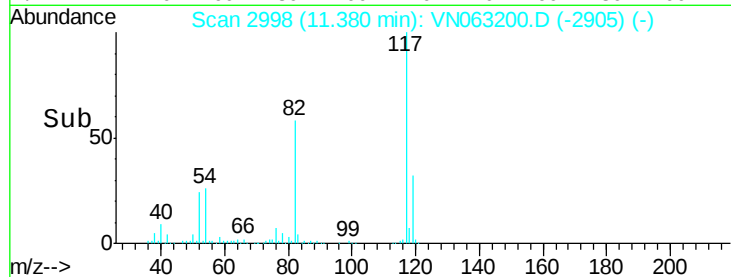
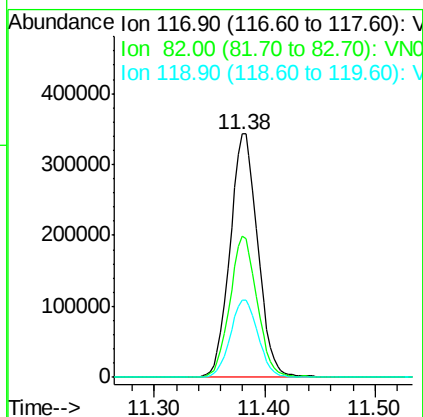
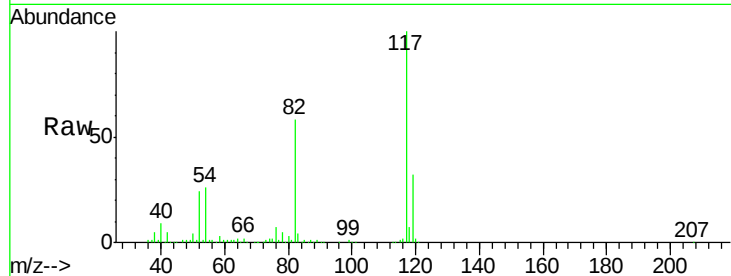




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063200.D  
Acq: 2 Sep 2020 17:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB181-GW-843-845

Tot Ion:117 Resp: 600263  
Ion Ratio Lower Upper  
117 100  
82 58.0 45.4 68.0  
119 31.6 24.6 37.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063200.D  
Acq: 2 Sep 2020 17:05

Tgt Ion:152 Resp: 233140  
Ion Ratio Lower Upper  
152 100  
115 61.6 32.0 96.2  
150 161.1 0.0 353.0

