

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\  
 Data File : VN062812.D  
 Acq On : 10 Aug 2020 16:34  
 Operator : JC/MD  
 Sample : L3618-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB179-GW-538-540

Quant Time: Aug 11 07:35:46 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:26:42 2020  
 Response via : Initial Calibration

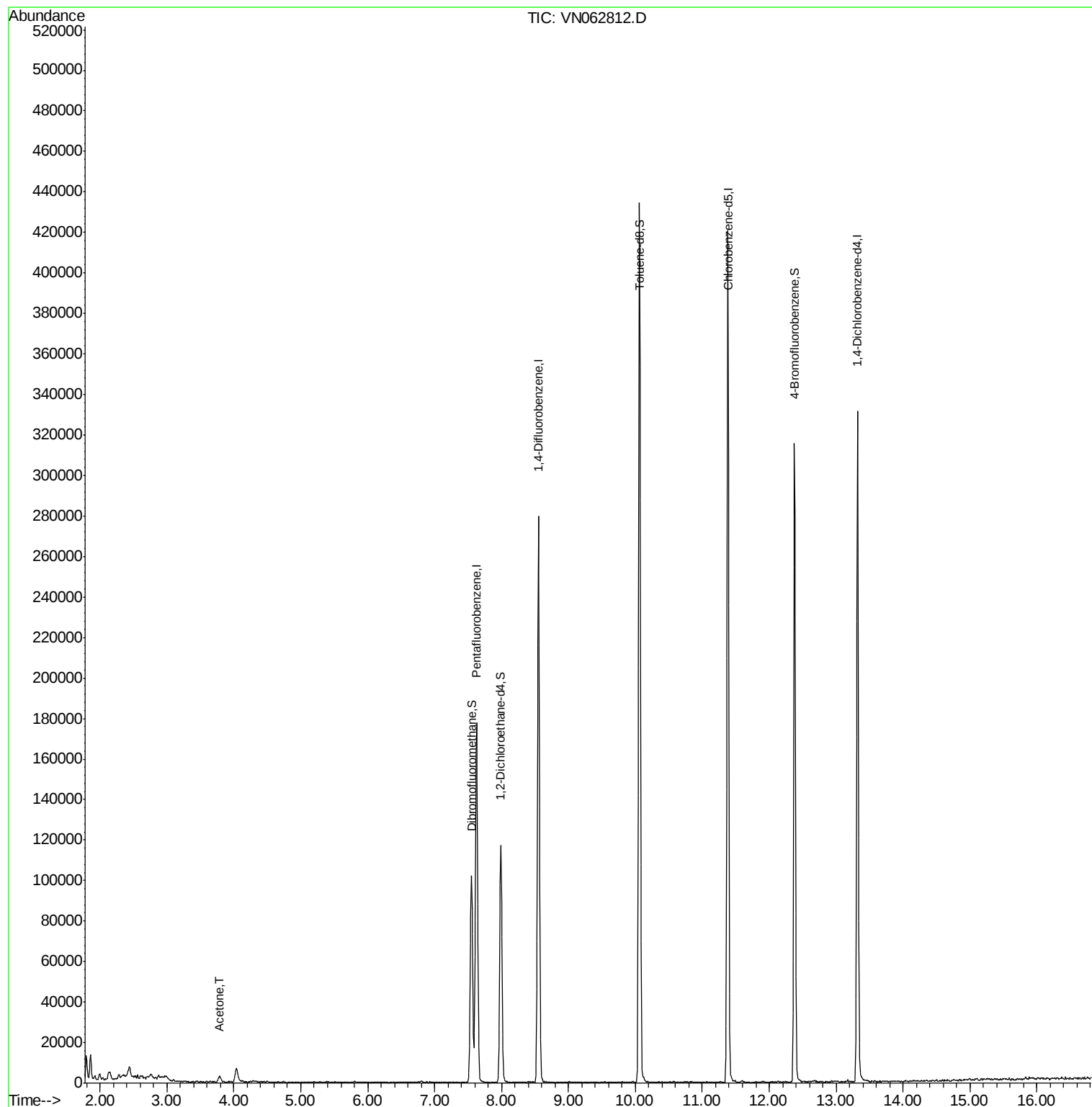
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 136446   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 236126   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 237022   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 88077    | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 110450   | 48.95 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.90% |           |
| 35) Dibromofluoromethane    | 7.55  | 113  | 79803    | 49.41 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.82% |           |
| 50) Toluene-d8              | 10.06 | 98   | 306947   | 48.68 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.36% |           |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 115014   | 48.26 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.52% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 3.79  | 43   | 5299     | 6.499 | ug/l   | Qvalue 98 |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:26:42 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062812.D

Acq: 10 Aug 2020 16:34

Instrument :

MSVOA\_N

ClientSampleId :

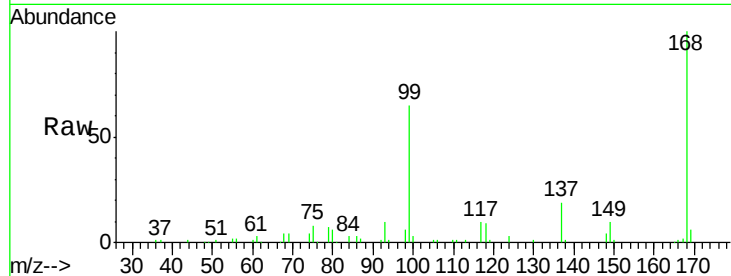
BP-VPB179-GW-538-540

Tot Ion:168 Resp: 136446

Ion Ratio Lower Upper

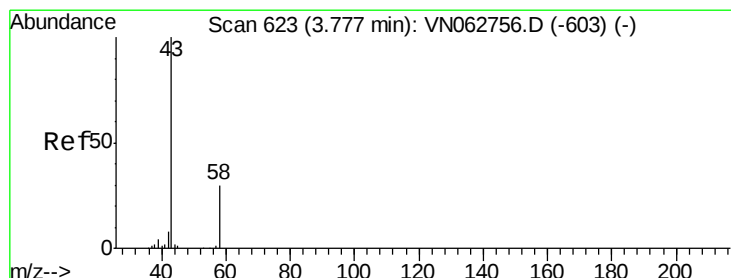
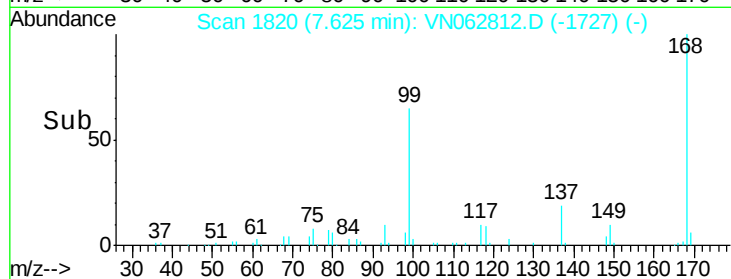
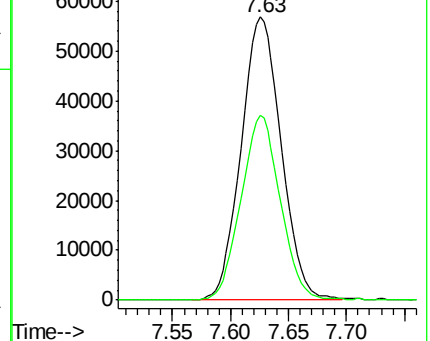
168 100

99 65.4 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 6.499 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN062812.D

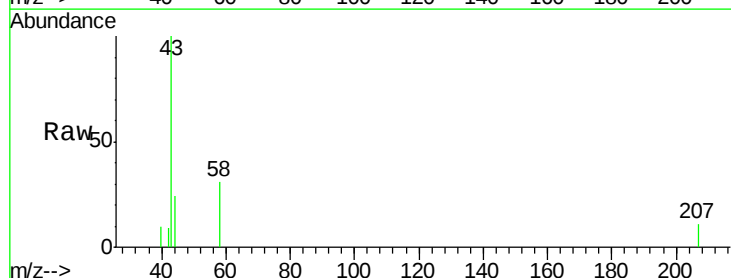
Acq: 10 Aug 2020 16:34

Tgt Ion: 43 Resp: 5299

Ion Ratio Lower Upper

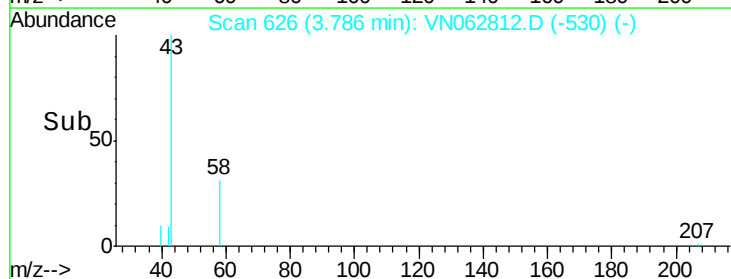
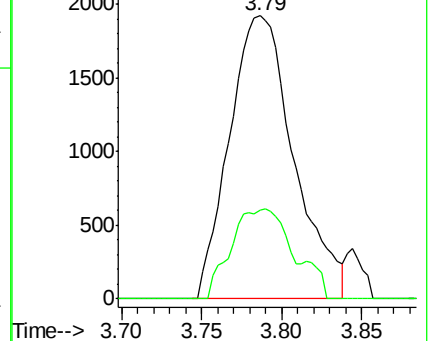
43 100

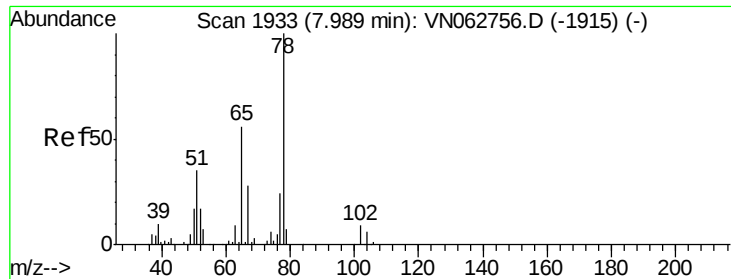
58 31.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

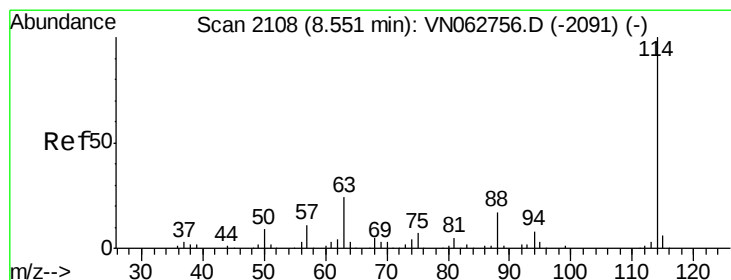
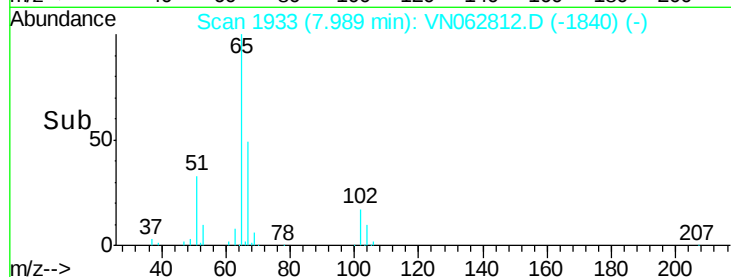
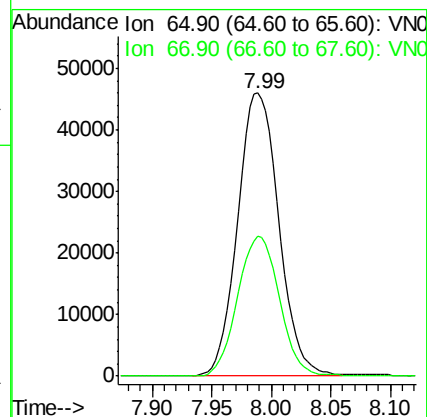
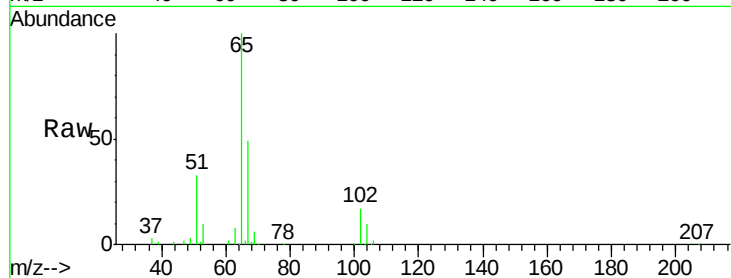




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.950 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN062812.D  
 Acq: 10 Aug 2020 16:34

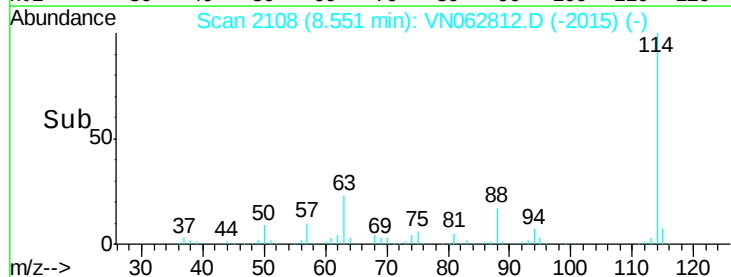
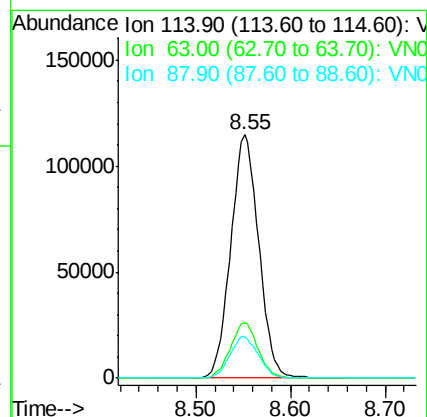
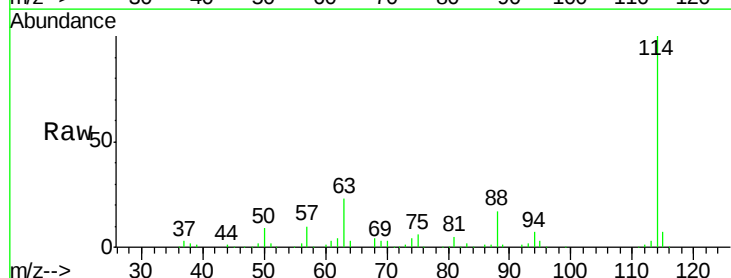
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB179-GW-538-540

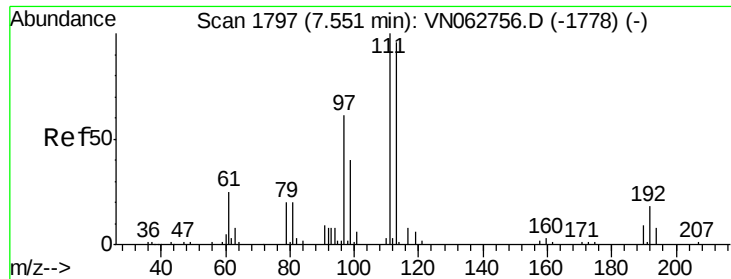
Tot Ion: 65 Resp: 110450  
 Ion Ratio Lower Upper  
 65 100  
 67 50.2 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN062812.D  
 Acq: 10 Aug 2020 16:34

Tgt Ion: 114 Resp: 236126  
 Ion Ratio Lower Upper  
 114 100  
 63 23.0 0.0 47.6  
 88 16.8 0.0 34.4





#35

Dibromofluoromethane

Concen: 49.406 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062812.D

Acq: 10 Aug 2020 16:34

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB179-GW-538-540

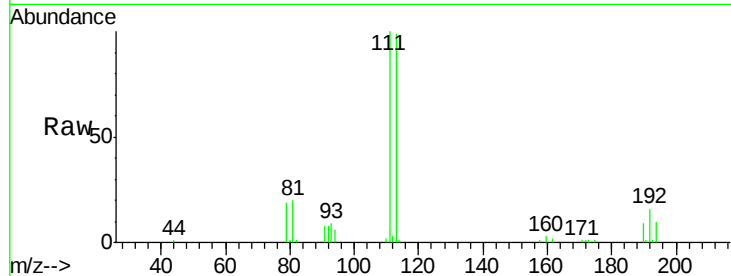
Tot Ion:113 Resp: 79803

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

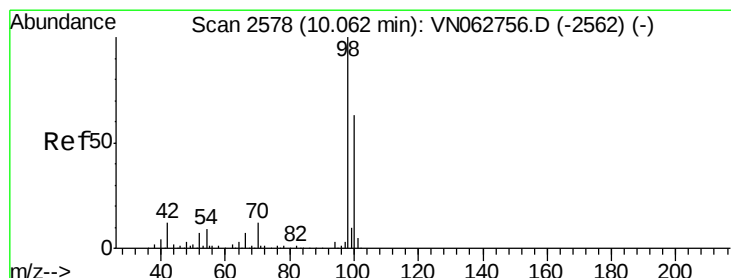
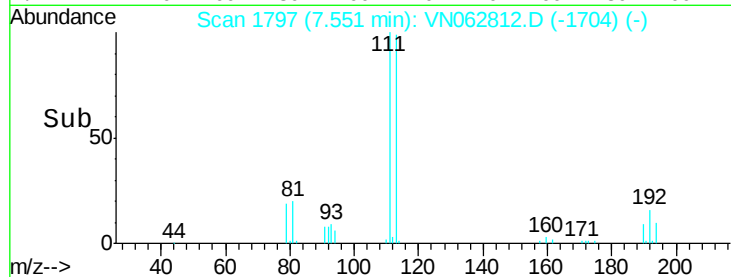
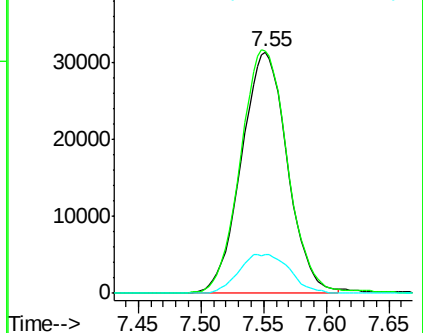
192 17.9 15.0 22.4



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: 48.675 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062812.D

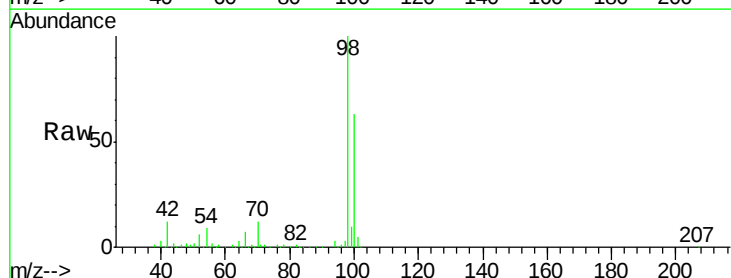
Acq: 10 Aug 2020 16:34

Tgt Ion: 98 Resp: 306947

Ion Ratio Lower Upper

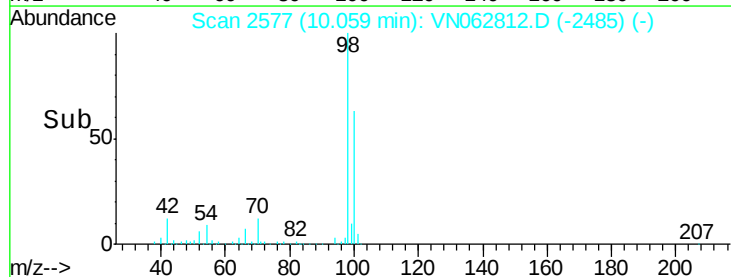
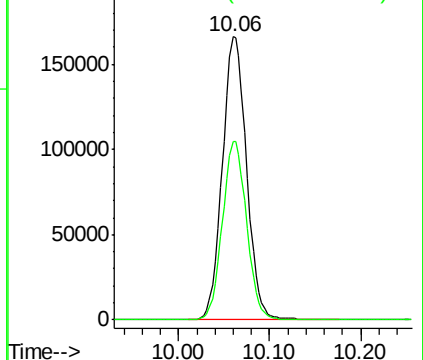
98 100

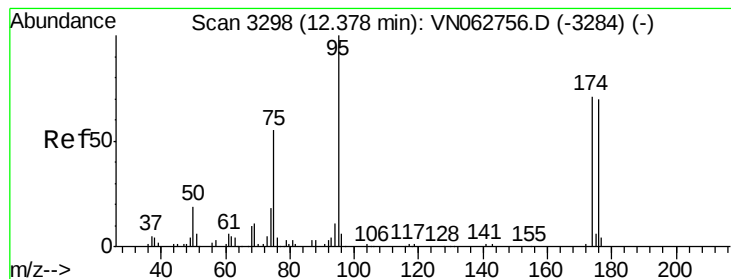
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 48.264 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062812.D

Acq: 10 Aug 2020 16:34

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB179-GW-538-540

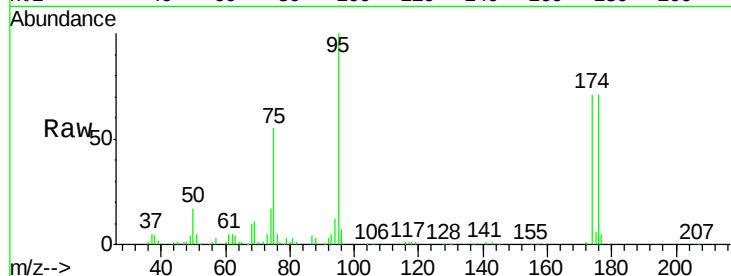
Tot Ion: 95 Resp: 115014

Ion Ratio Lower Upper

95 100

174 72.3 0.0 144.8

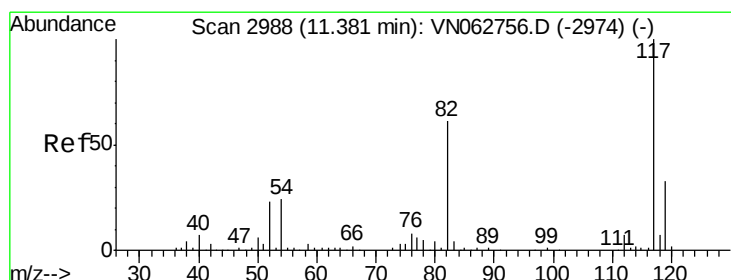
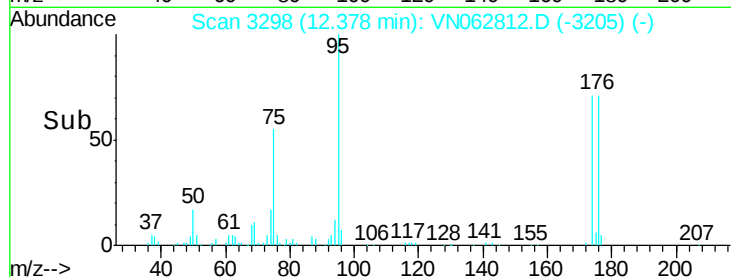
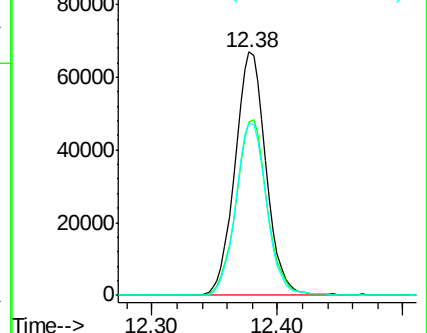
176 70.1 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062812.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062812.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062812.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062812.D

Acq: 10 Aug 2020 16:34

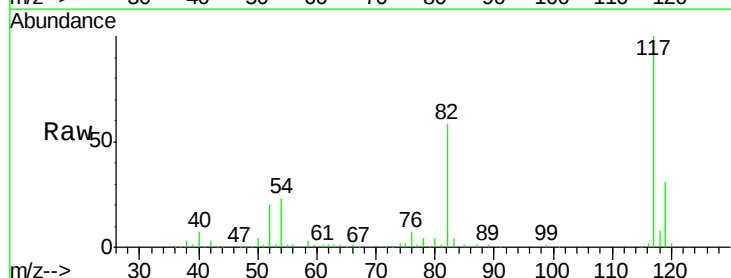
Tgt Ion: 117 Resp: 237022

Ion Ratio Lower Upper

117 100

82 58.3 49.0 73.4

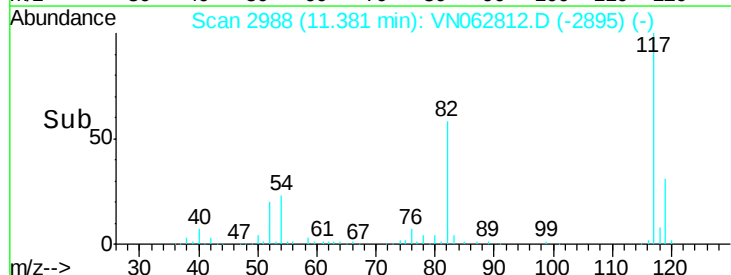
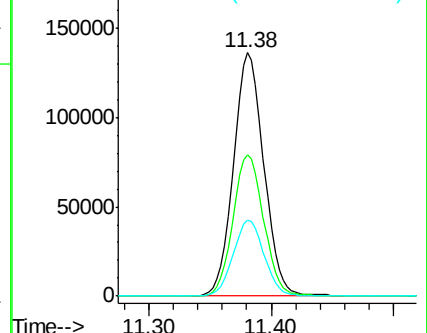
119 31.3 26.2 39.2

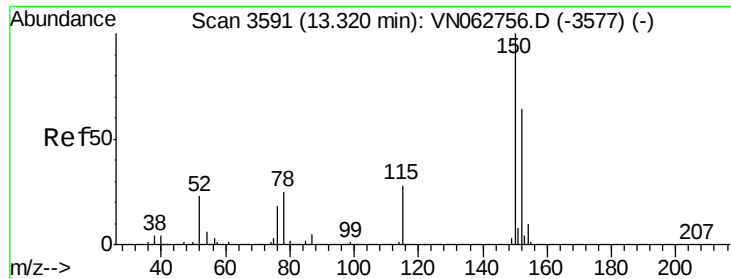


Abundance Ion 116.90 (116.60 to 117.60): VN062812.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062812.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062812.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062812.D

Acq: 10 Aug 2020 16:34

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB179-GW-538-540

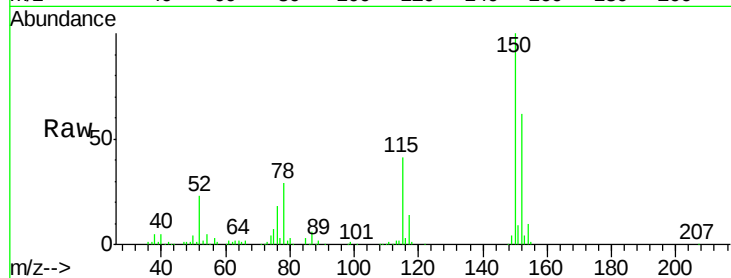
Tot Ion:152 Resp: 88077

Ion Ratio Lower Upper

152 100

115 65.0 31.6 94.8

150 159.8 0.0 349.2



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

