

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081120\  
 Data File : VN062823.D  
 Acq On : 11 Aug 2020 12:15  
 Operator : JC/MD  
 Sample : VN0811WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0811WBL01

Quant Time: Aug 11 14:58:35 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      | 7.62  | 168  | 132608   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 232000   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 225277   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 84790    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 110652   | 50.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.92% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 81724    | 51.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.00% |      |
| 50) Toluene-d8              | 10.06  | 98  | 294458   | 47.53 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.06%  |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 107111   | 45.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.50%  |      |

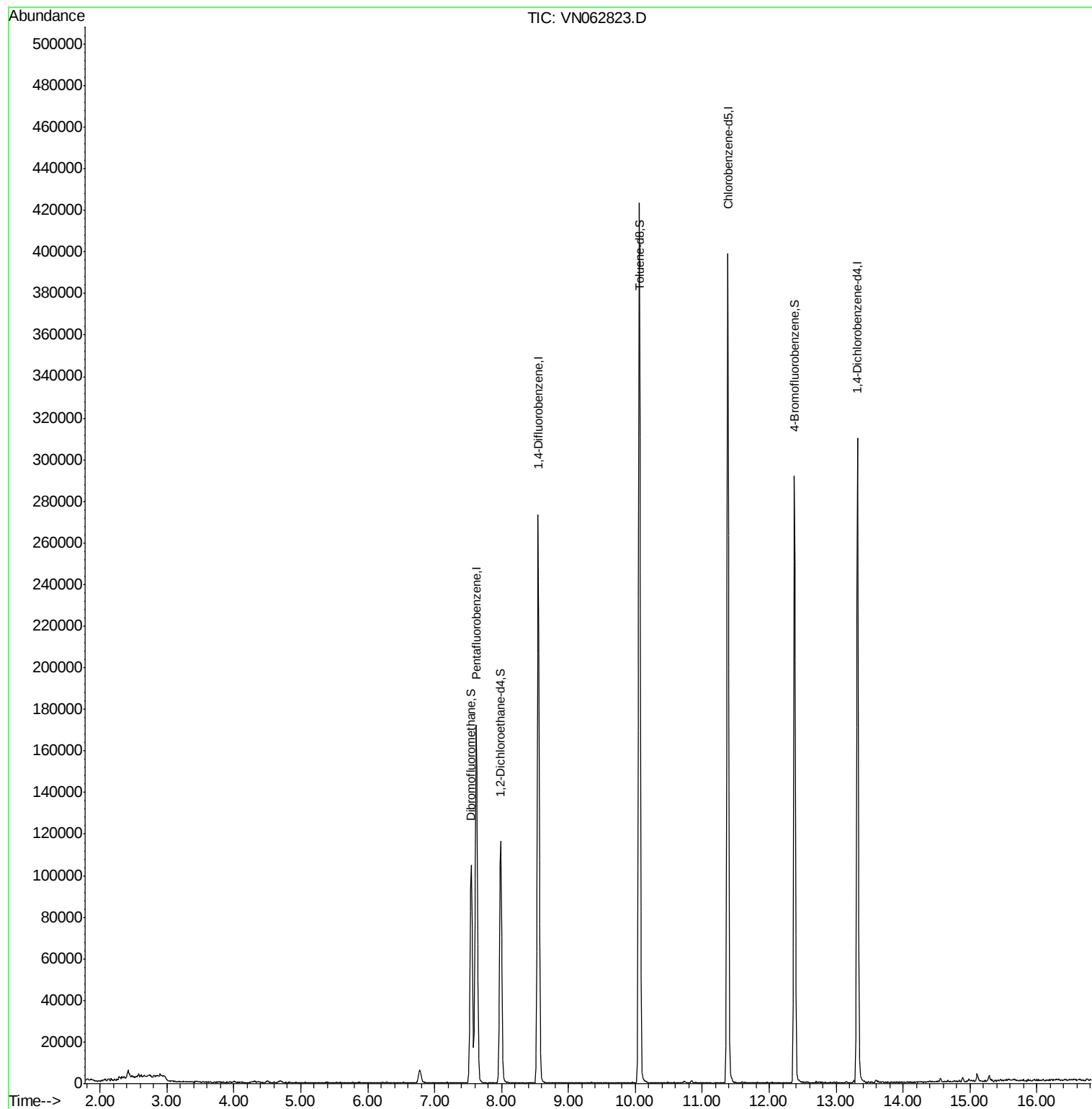
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

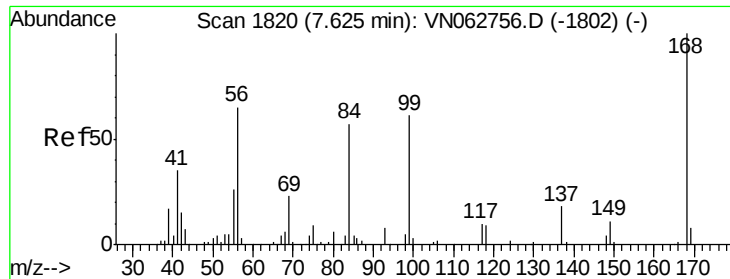
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:26:42 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

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Acq: 11 Aug 2020 12:15

Instrument :

MSVOA\_N

ClientSampleId :

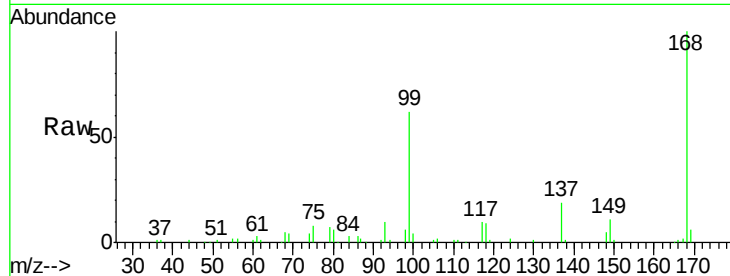
VN0811WBL01

Tot Ion:168 Resp: 132608

Ion Ratio Lower Upper

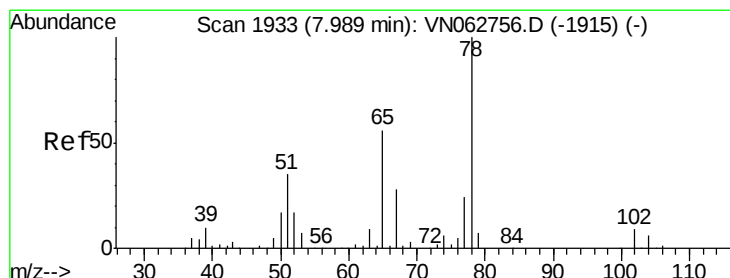
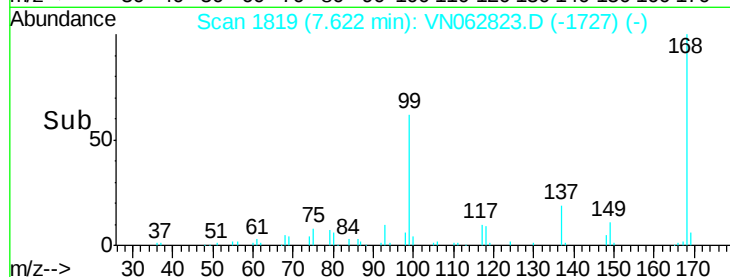
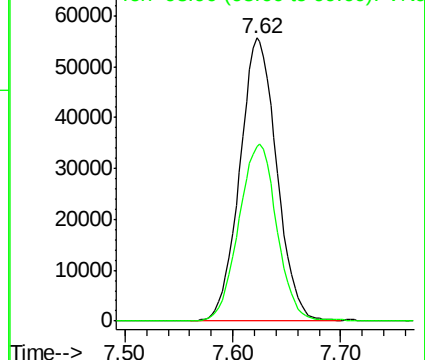
168 100

99 61.6 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#33

1,2-Dichloroethane-d4

Concen: 50.459 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062823.D

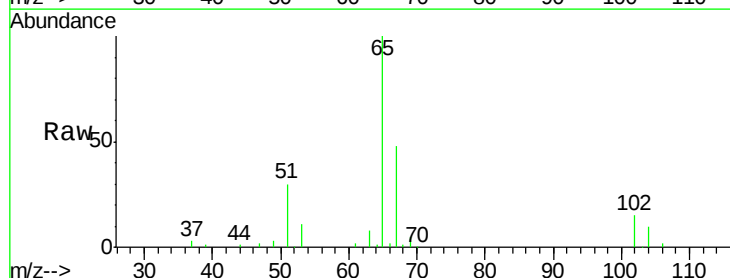
Acq: 11 Aug 2020 12:15

Tgt Ion: 65 Resp: 110652

Ion Ratio Lower Upper

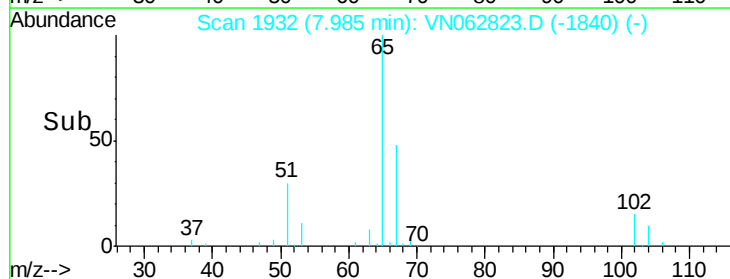
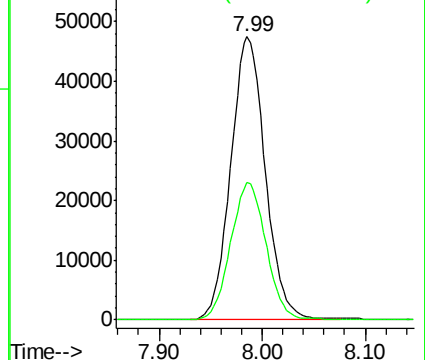
65 100

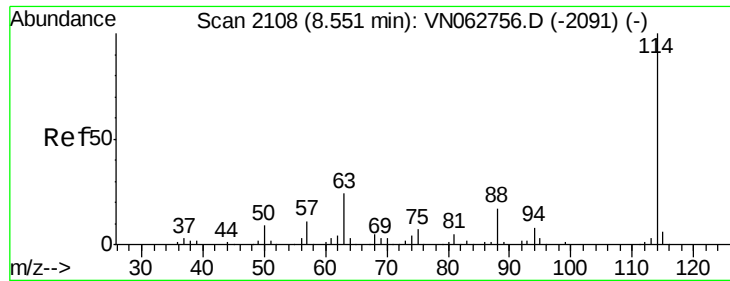
67 49.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

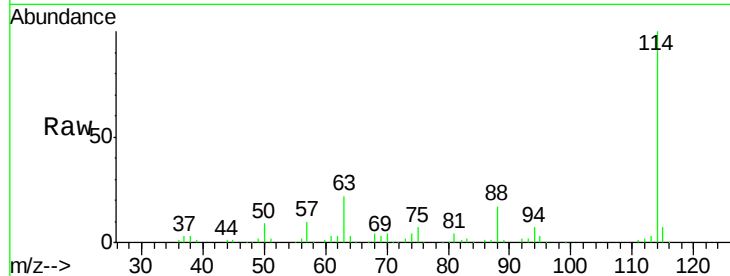




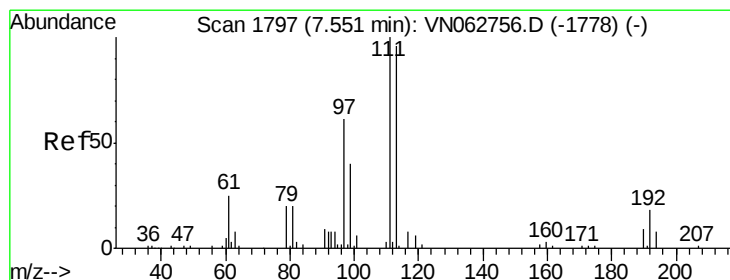
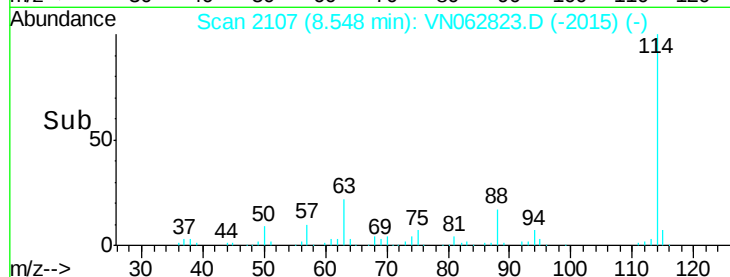
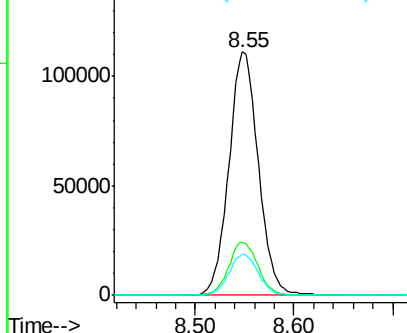
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.55 min Scan# 2107  
Delta R.T. -0.00 min  
Lab File: VN062823.D  
Acq: 11 Aug 2020 12:15

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0811WBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.9  | 0.0   | 47.6  |
| 88      | 16.8  | 0.0   | 34.4  |

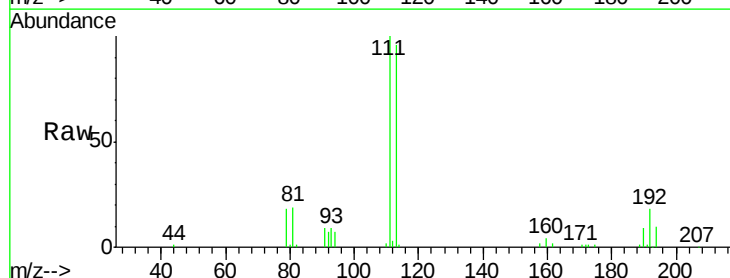


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

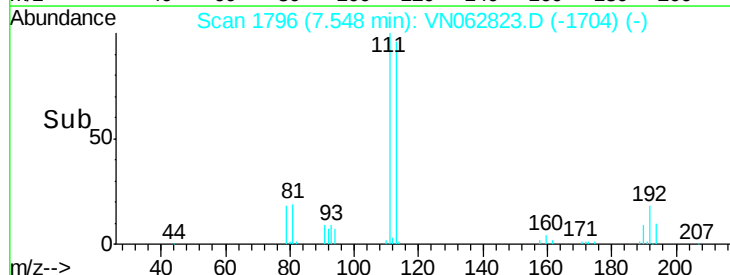
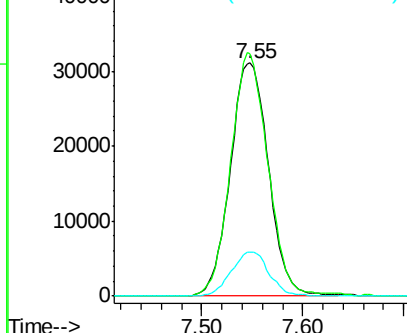


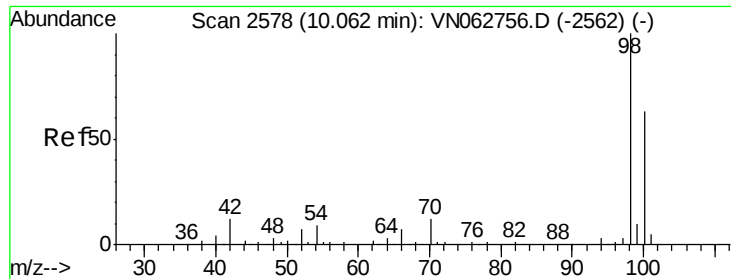
#35  
Dibromofluoromethane  
Concen: 51.496 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN062823.D  
Acq: 11 Aug 2020 12:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 81.8  | 122.6 |
| 192     | 18.5  | 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: 47.525 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA\_N

ClientSampleId :

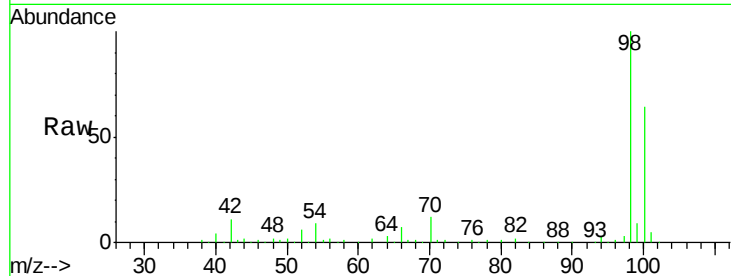
VN0811WBL01

Tot Ion: 98 Resp: 294458

Ion Ratio Lower Upper

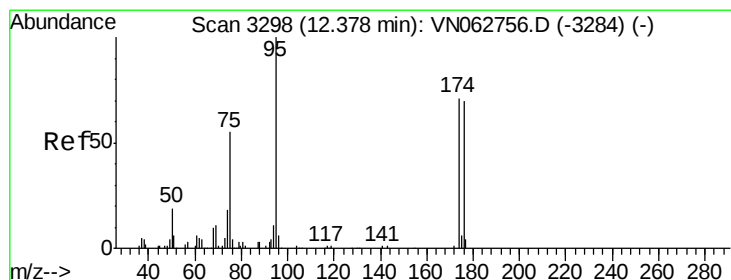
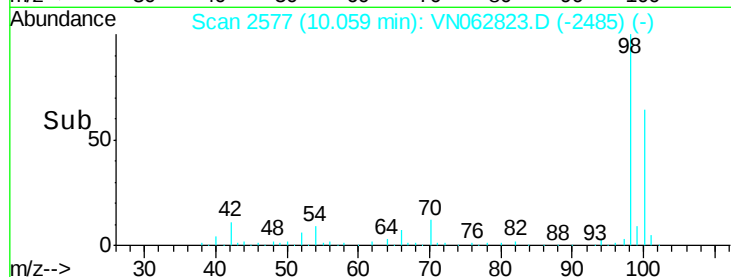
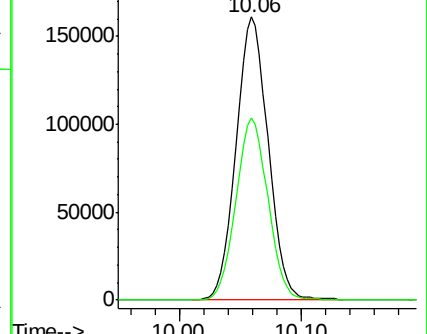
98 100

100 64.1 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 45.747 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

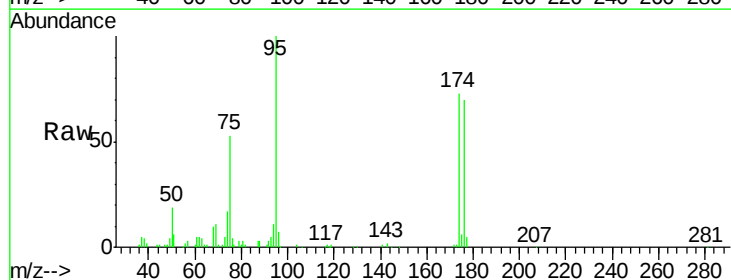
Tgt Ion: 95 Resp: 107111

Ion Ratio Lower Upper

95 100

174 73.7 0.0 144.8

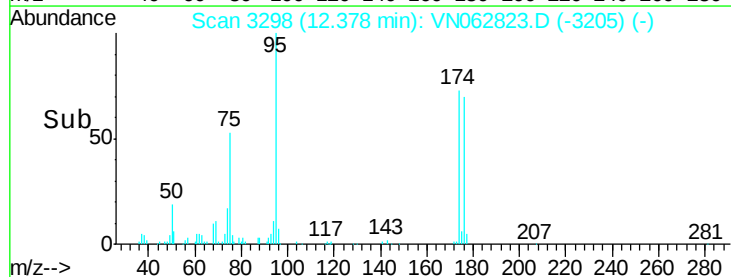
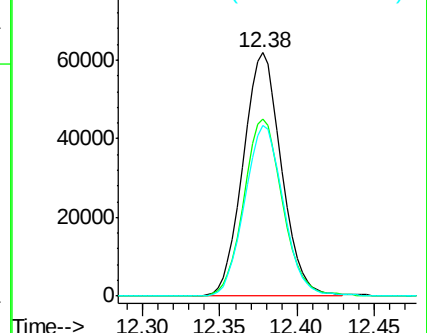
176 71.0 0.0 142.2

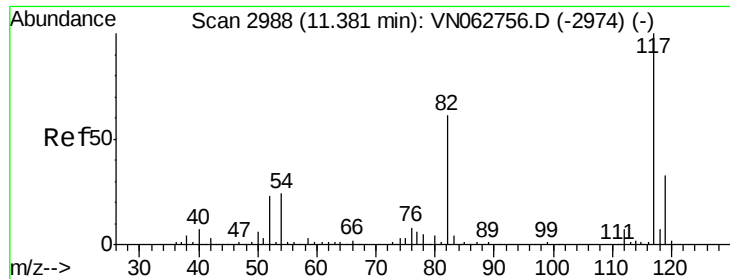


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

Instrument :

MSVOA\_N

ClientSampleId :

VN0811WBL01

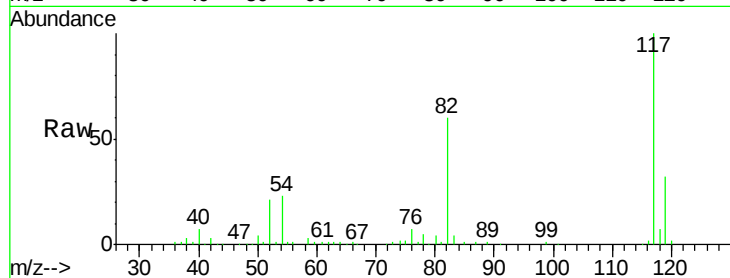
Tot Ion:117 Resp: 225277

Ion Ratio Lower Upper

117 100

82 59.8 49.0 73.4

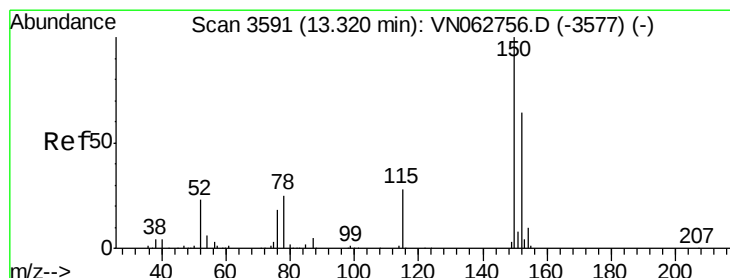
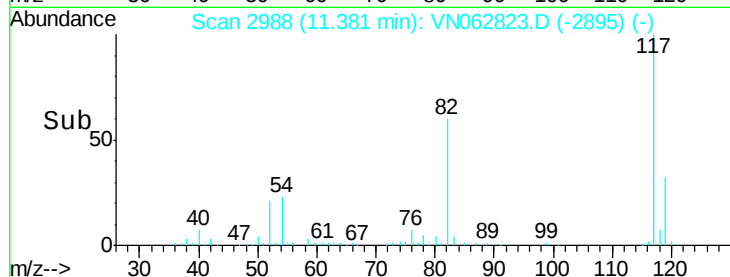
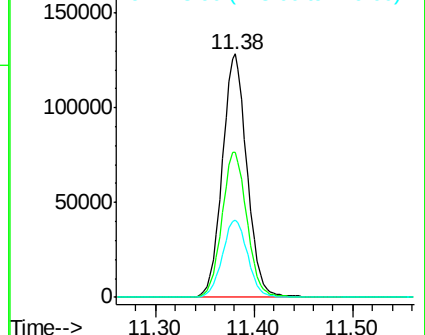
119 31.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062823.D

Acq: 11 Aug 2020 12:15

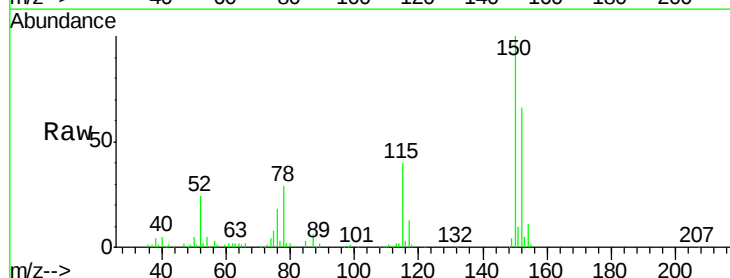
Tgt Ion:152 Resp: 84790

Ion Ratio Lower Upper

152 100

115 63.4 31.6 94.8

150 157.4 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

