

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\  
 Data File : VN063081.D  
 Acq On : 21 Aug 2020 15:27  
 Operator : JC/MD  
 Sample : L3720-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB

Quant Time: Aug 22 01:45:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 19 06:09:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 134991   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 223884   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 237268   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 102843   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 89903    | 56.19 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 112.38% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 78235    | 53.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.26% |      |
| 50) Toluene-d8              | 10.06  | 98  | 287919   | 51.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.76% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 107547   | 54.39 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 108.78% |      |

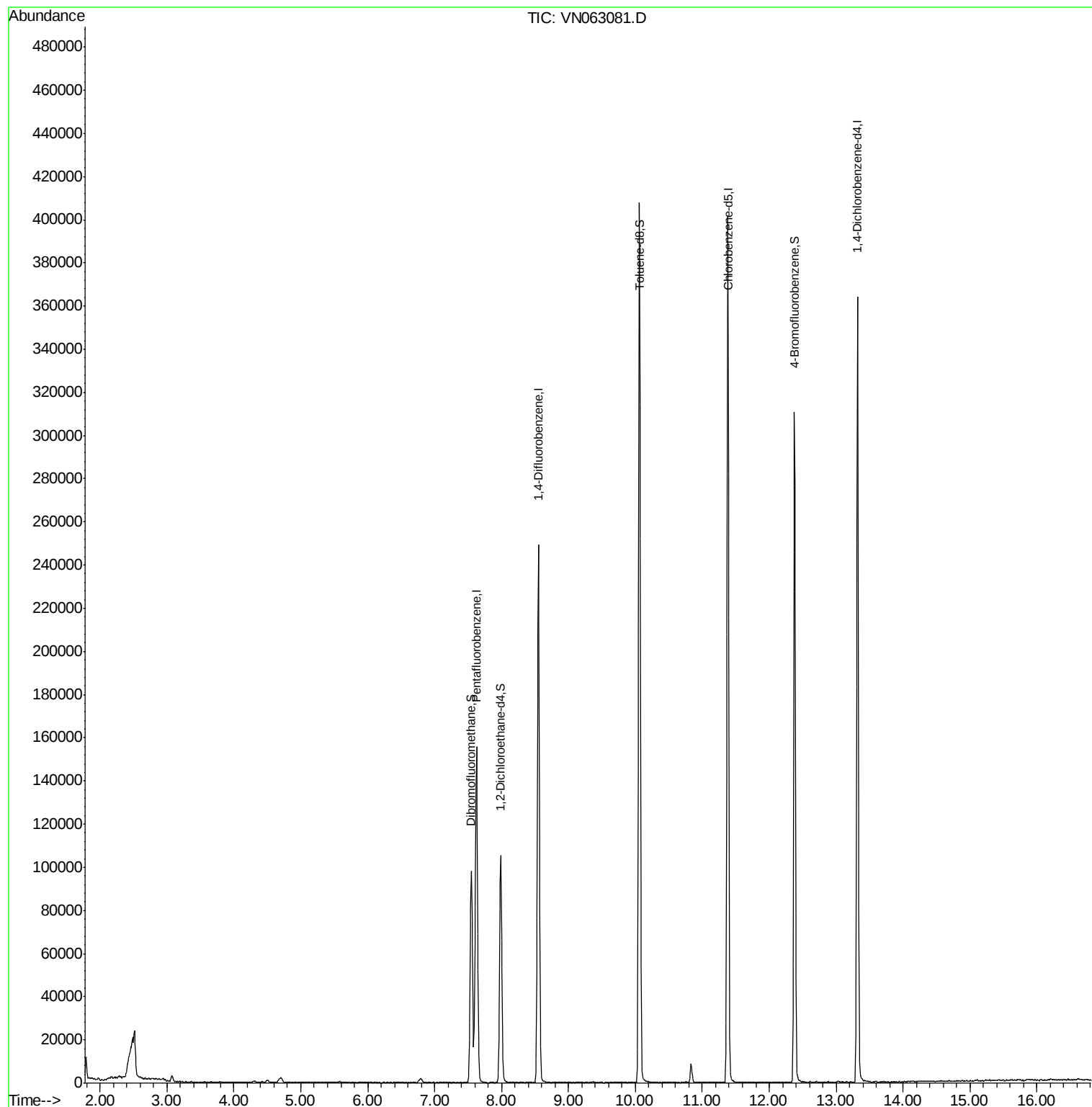
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

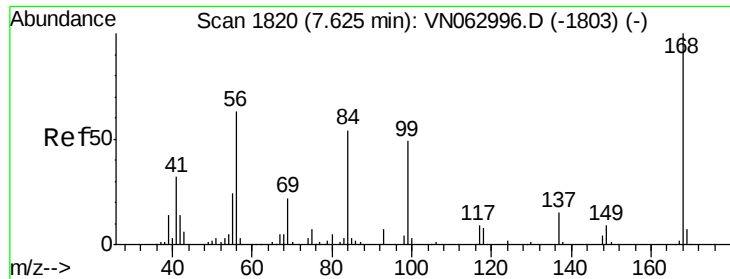
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 19 06:09:27 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: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA\_N

ClientSampleId :

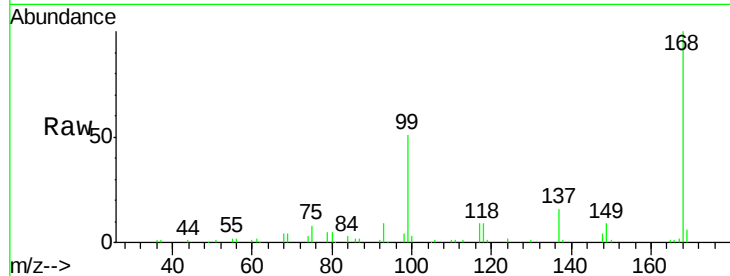
FB

Tot Ion:168 Resp: 134991

Ion Ratio Lower Upper

168 100

99 51.5 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

50000

40000

30000

20000

10000

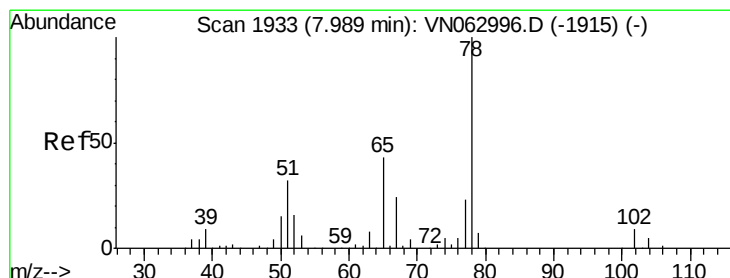
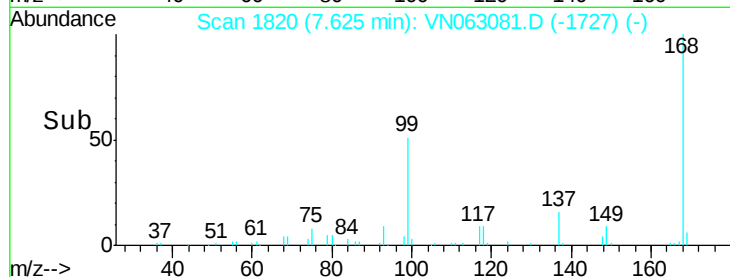
0

7.50

7.60

7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.193 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063081.D

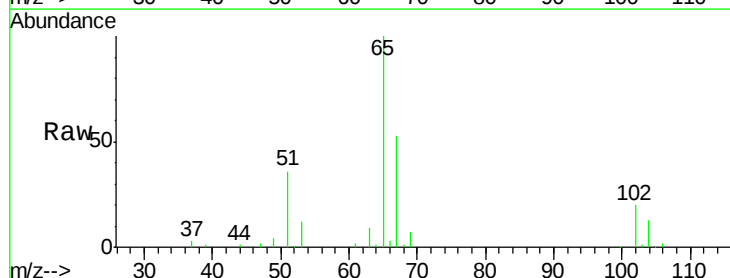
Acq: 21 Aug 2020 15:27

Tgt Ion: 65 Resp: 89903

Ion Ratio Lower Upper

65 100

67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

40000

30000

20000

10000

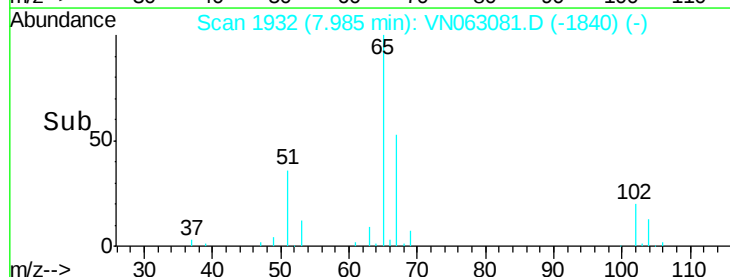
0

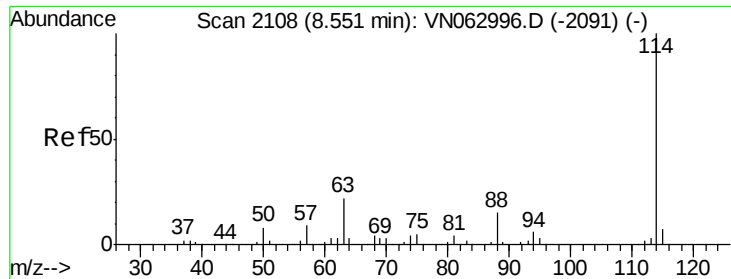
7.90

8.00

8.10

Time-->

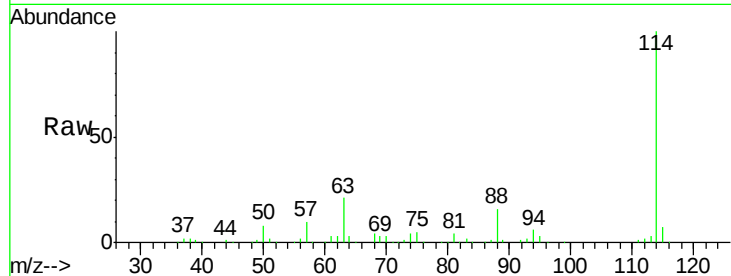




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN063081.D  
 Acq: 21 Aug 2020 15:27

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 FB

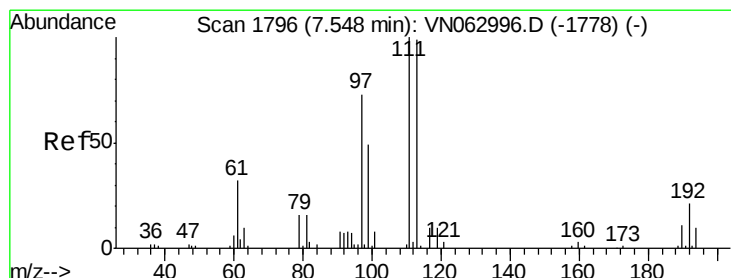
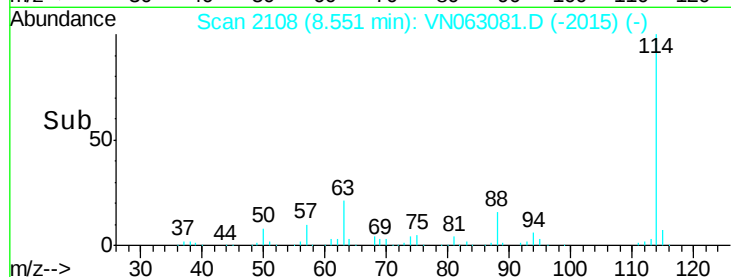
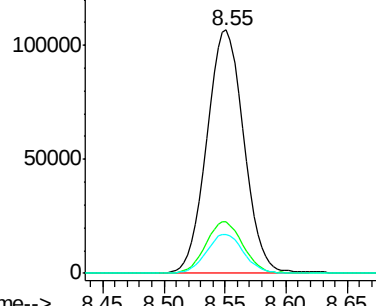
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.0  | 0.0   | 43.2  |
| 88      | 16.1  | 0.0   | 30.6  |



Abundance Ion 113.90 (113.60 to 114.60): V

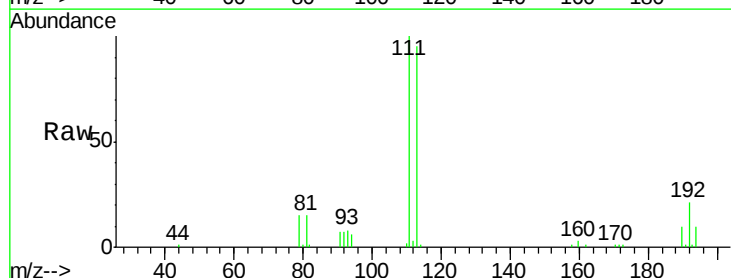
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35  
 Dibromofluoromethane  
 Concen: 53.629 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: VN063081.D  
 Acq: 21 Aug 2020 15:27

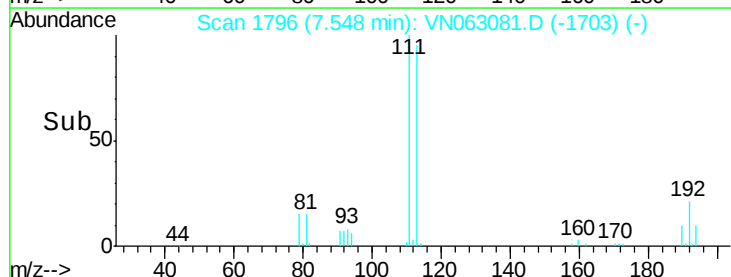
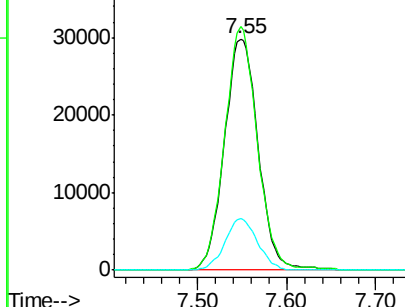
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 81.7  | 122.5 |
| 192     | 21.3  | 17.5  | 26.3  |

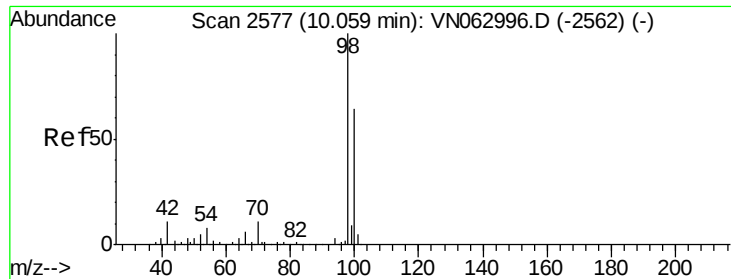


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.383 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

Instrument :

MSVOA\_N

ClientSampled :

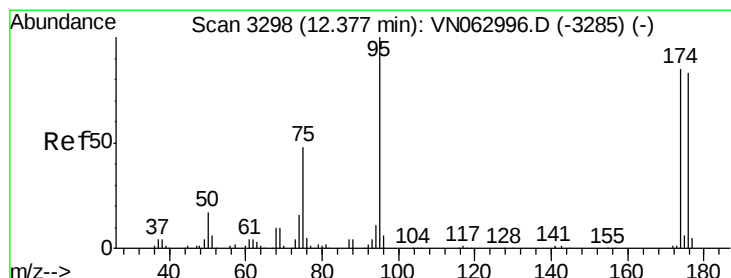
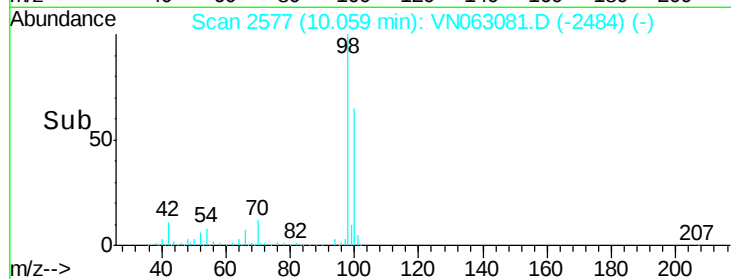
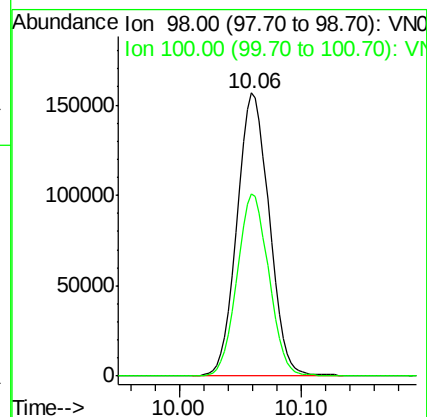
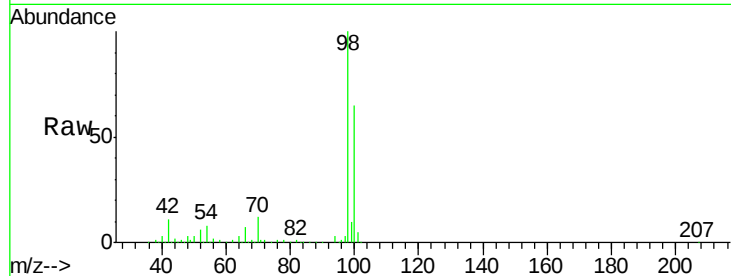
FB

Tot Ion: 98 Resp: 287919

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 54.389 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063081.D

Acq: 21 Aug 2020 15:27

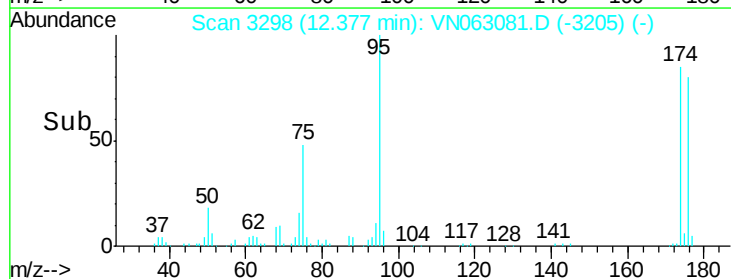
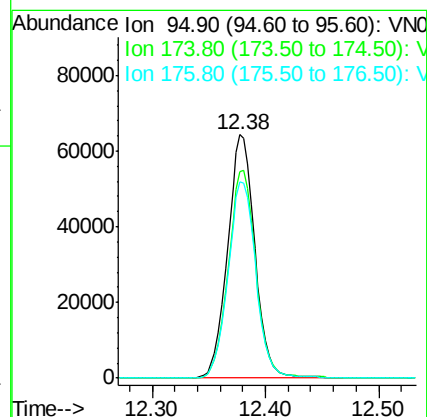
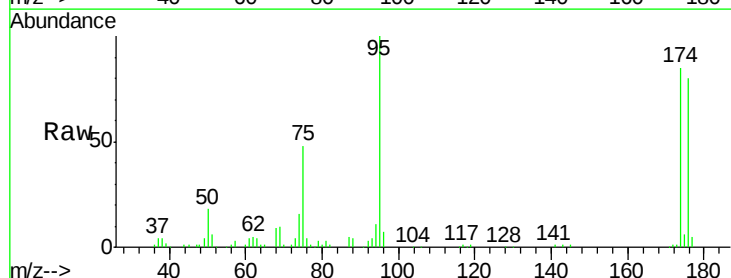
Tgt Ion: 95 Resp: 107547

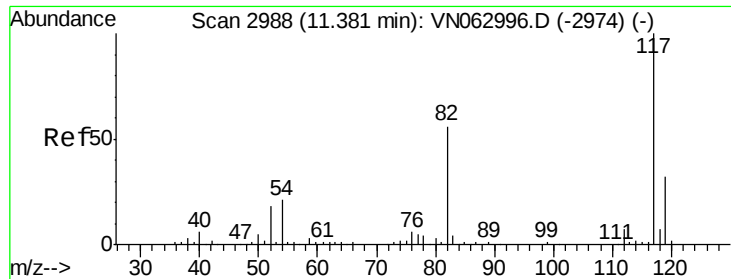
Ion Ratio Lower Upper

95 100

174 86.3 0.0 170.8

176 82.5 0.0 164.8

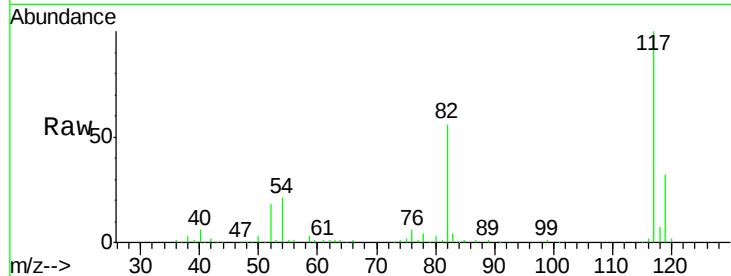




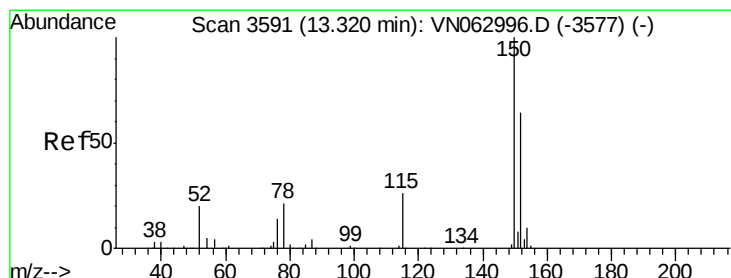
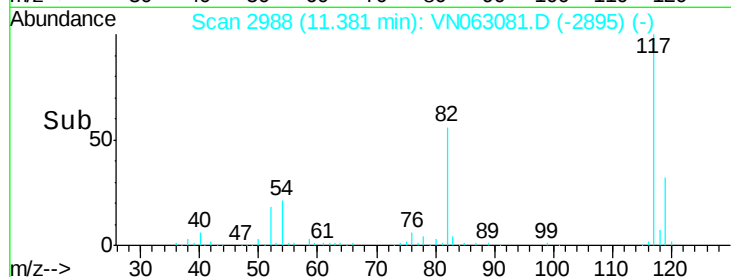
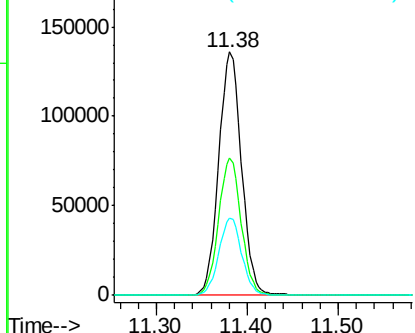
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN063081.D  
Acq: 21 Aug 2020 15:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
FB

Tot Ion:117 Resp: 237268  
Ion Ratio Lower Upper  
117 100  
82 56.4 44.5 66.7  
119 31.7 25.5 38.3

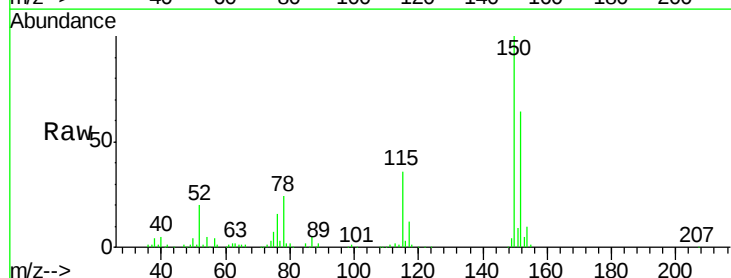


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN063081.D  
Acq: 21 Aug 2020 15:27

Tgt Ion:152 Resp: 102843  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.7 86.3  
150 157.3 0.0 348.8



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

