

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\  
 Data File : VN062804.D  
 Acq On : 10 Aug 2020 13:18  
 Operator : JC/MD  
 Sample : L3618-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB179-TB-20200804

Quant Time: Aug 11 07:12:09 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  | 145498   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 253722   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 250922   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 96390    | 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   | 111483   | 46.33 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.66% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 83037    | 47.84 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.68% |          |
| 50) Toluene-d8              | 10.06 | 98   | 322971   | 47.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.32% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 122310   | 47.77 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.54% |          |

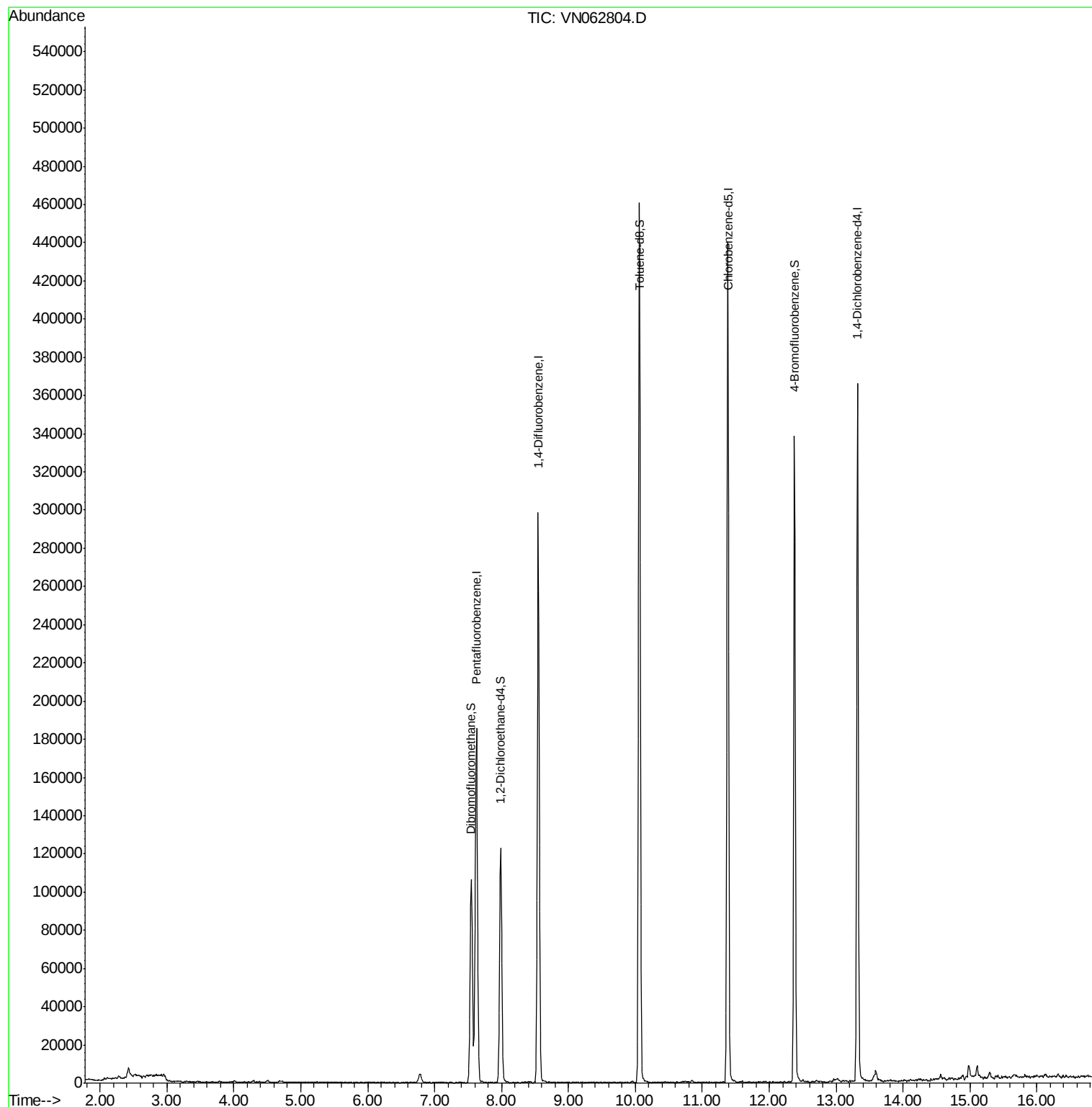
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

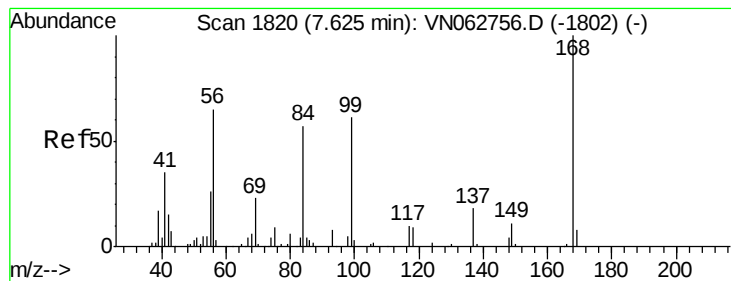
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081020\  
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BP-VPB179-TB-20200804

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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: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA\_N

ClientSampleId :

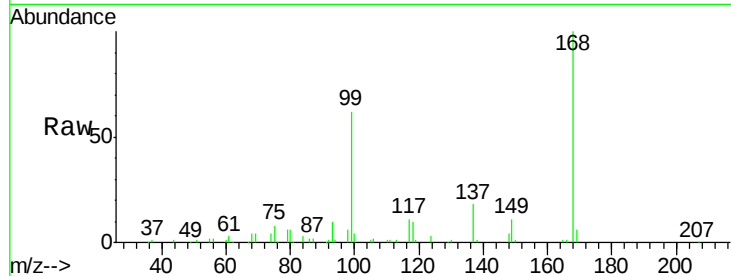
BP-VPB179-TB-20200804

Tot Ion:168 Resp: 145498

Ion Ratio Lower Upper

168 100

99 62.5 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

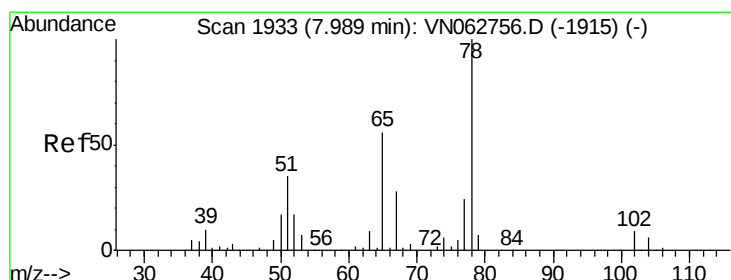
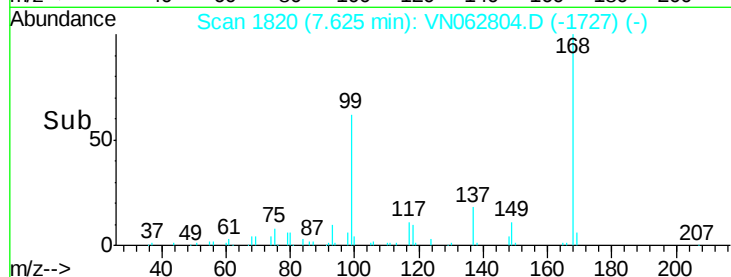
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.334 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062804.D

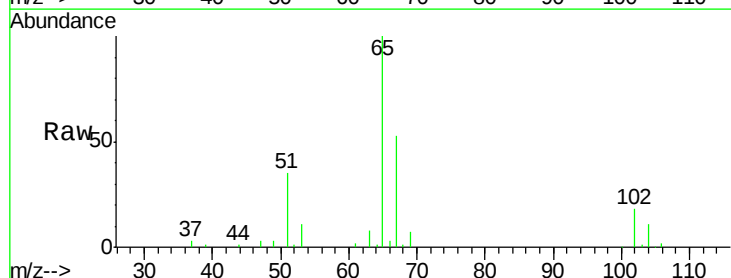
Acq: 10 Aug 2020 13:18

Tgt Ion: 65 Resp: 111483

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

50000

40000

30000

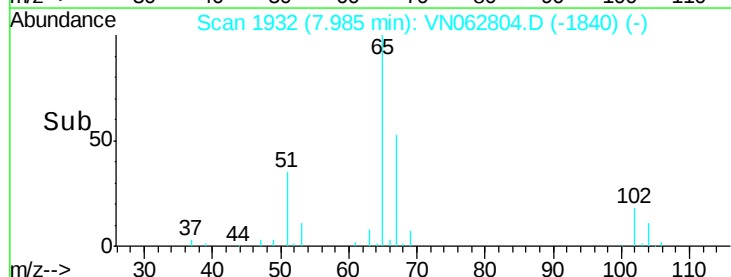
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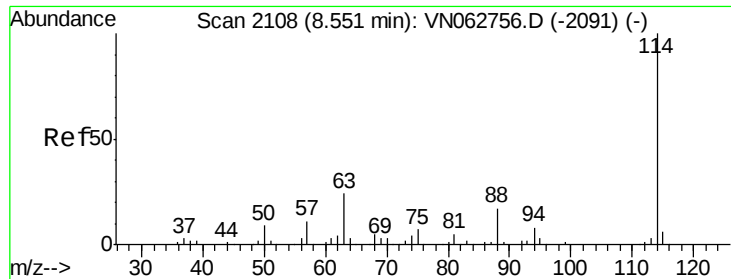
10000

0

7.90 8.00 8.10

Time-->

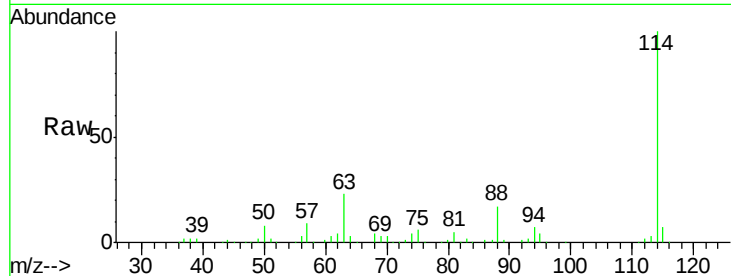




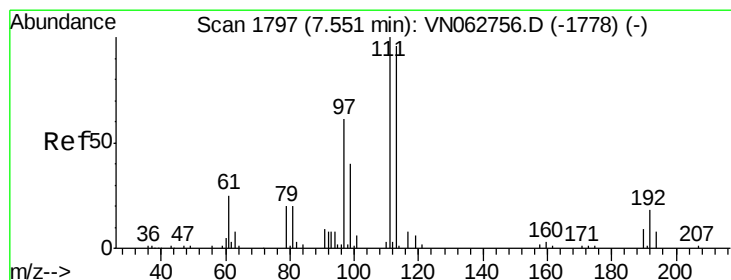
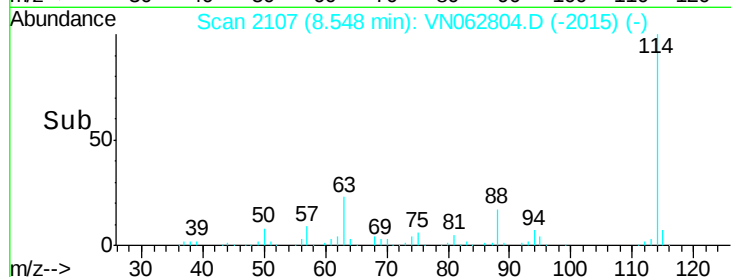
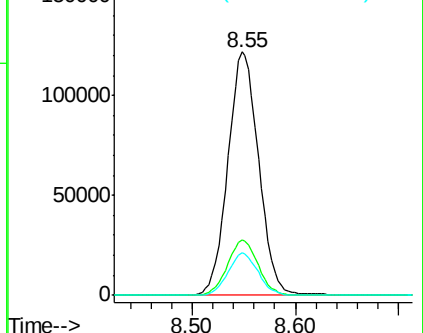
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2107  
 Delta R.T. -0.00 min  
 Lab File: VN062804.D  
 Acq: 10 Aug 2020 13:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB179-TB-20200804

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.8  | 0.0   | 47.6  |
| 88      | 17.3  | 0.0   | 34.4  |

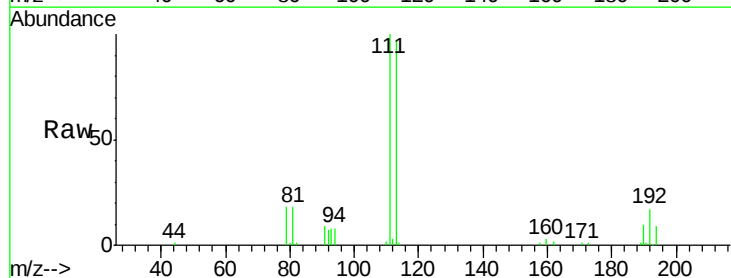


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

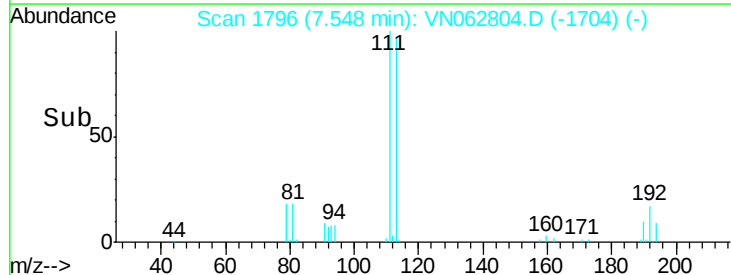
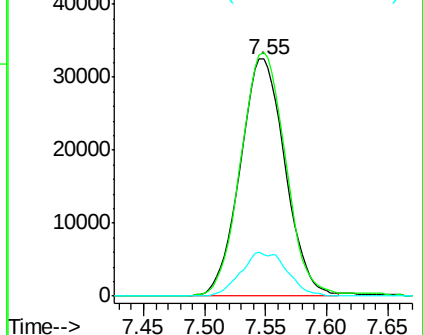


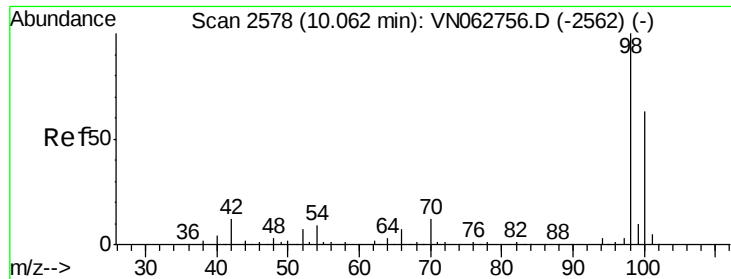
#35  
 Dibromofluoromethane  
 Concen: 47.843 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: VN062804.D  
 Acq: 10 Aug 2020 13:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.8  | 122.6 |
| 192     | 19.0  | 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: 47.664 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

Instrument :

MSVOA\_N

ClientSampleId :

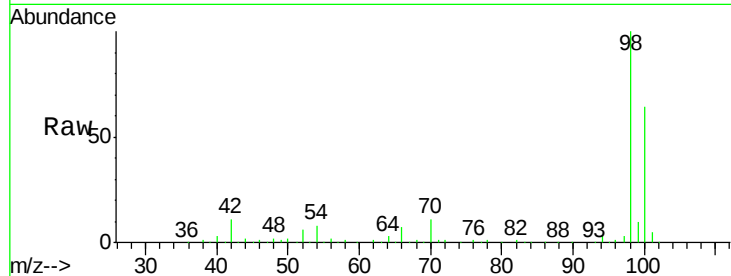
BP-VPB179-TB-20200804

Tot Ion: 98 Resp: 322971

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062756.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062804.D (-2485) (-)

10.06

150000

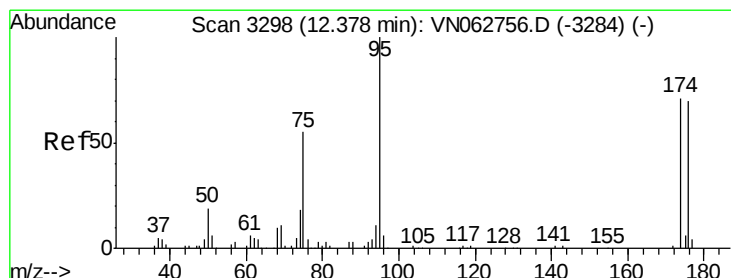
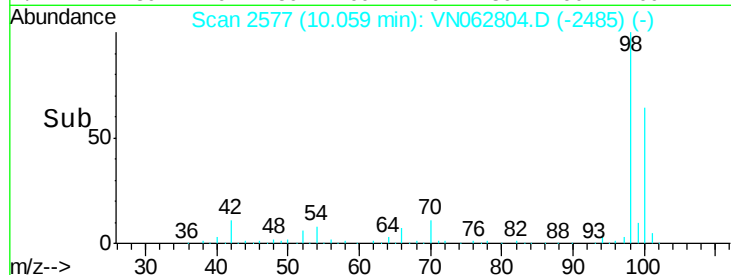
100000

50000

0

10.00 10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.766 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062804.D

Acq: 10 Aug 2020 13:18

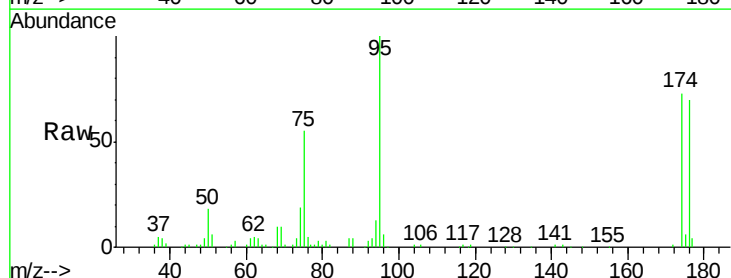
Tgt Ion: 95 Resp: 122310

Ion Ratio Lower Upper

95 100

174 72.5 0.0 144.8

176 69.9 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062756.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062804.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062804.D (-3205) (-)

12.38

80000

60000

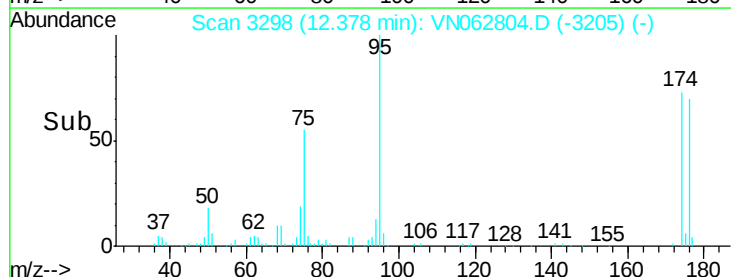
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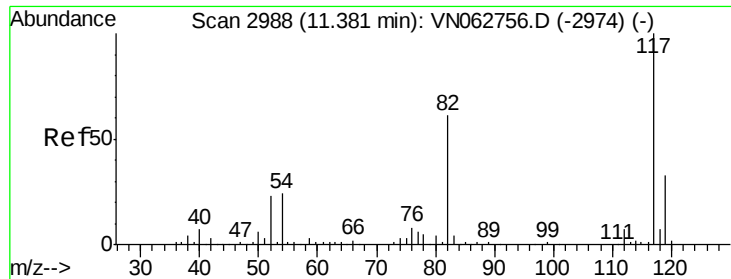
20000

0

12.30 12.35 12.40 12.45

Time-->

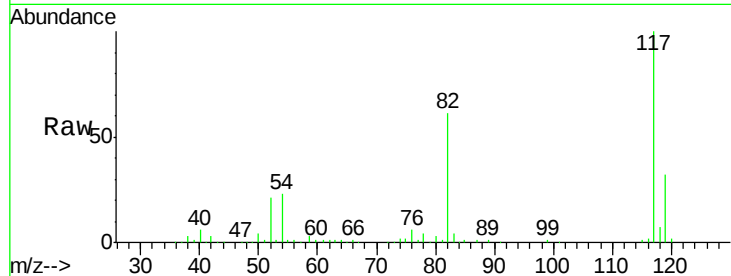




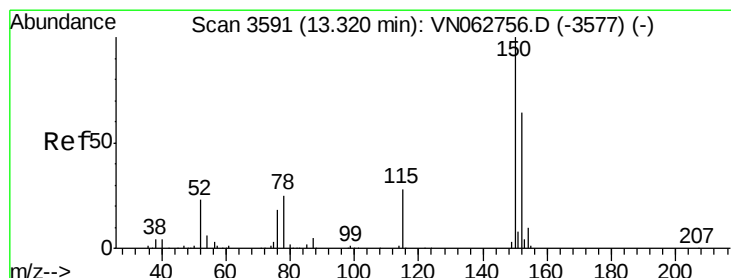
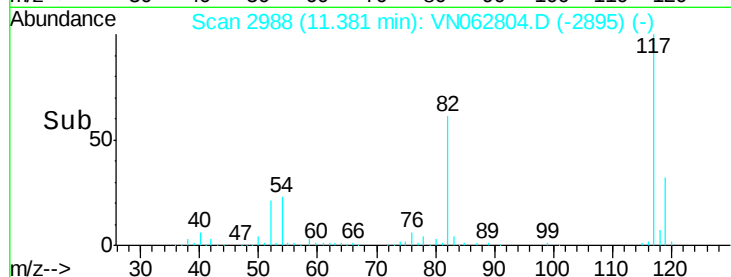
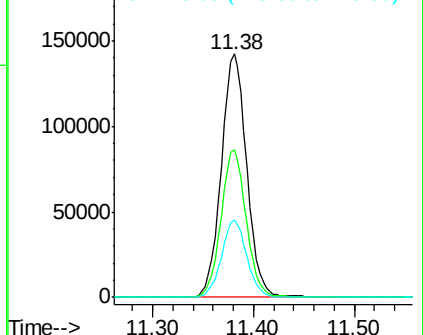
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062804.D  
Acq: 10 Aug 2020 13:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB179-TB-20200804

Tot Ion:117 Resp: 250922  
Ion Ratio Lower Upper  
117 100  
82 60.6 49.0 73.4  
119 31.6 26.2 39.2

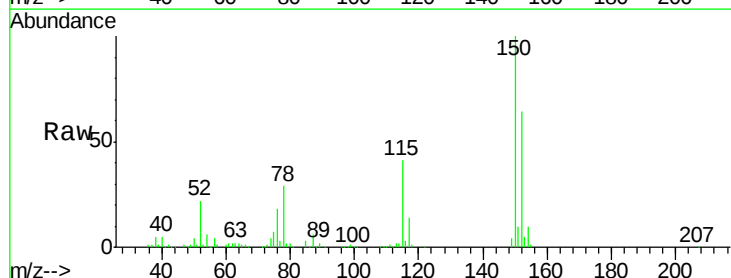


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062804.D  
Acq: 10 Aug 2020 13:18

Tgt Ion:152 Resp: 96390  
Ion Ratio Lower Upper  
152 100  
115 65.2 31.6 94.8  
150 159.1 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

