

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\  
 Data File : VN062191.D  
 Acq On : 29 Jun 2020 16:30  
 Operator : JC/MD  
 Sample : L3127-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB04-20200625

Quant Time: Jun 30 05:11:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 199085   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 380725   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 368704   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 138368   | 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   | 146711   | 52.51 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.02% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 122550   | 50.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.34% |          |
| 50) Toluene-d8              | 10.06 | 98   | 483845   | 49.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 158305   | 47.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.98%  |          |

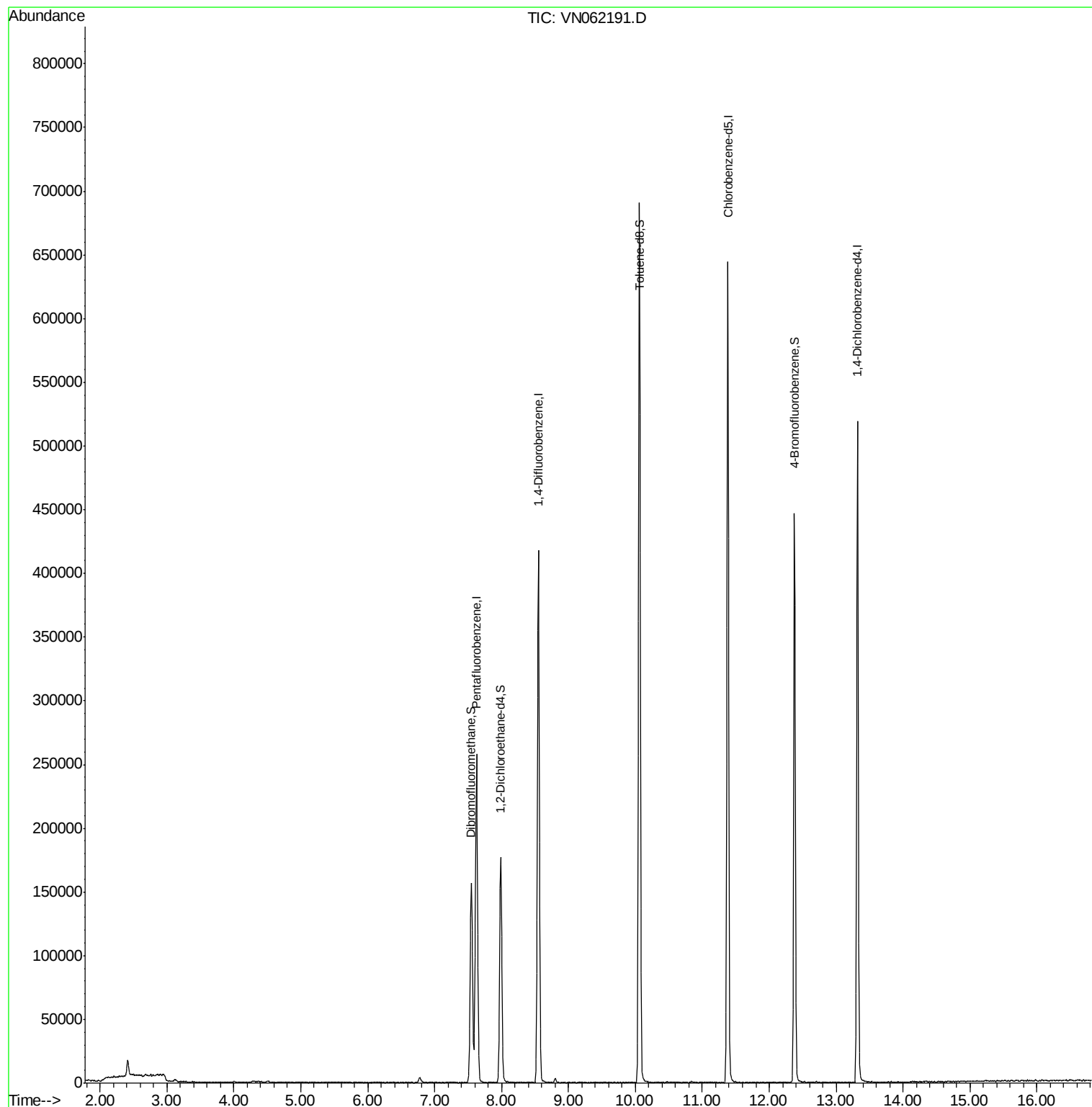
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 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: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA\_N

ClientSampleId :

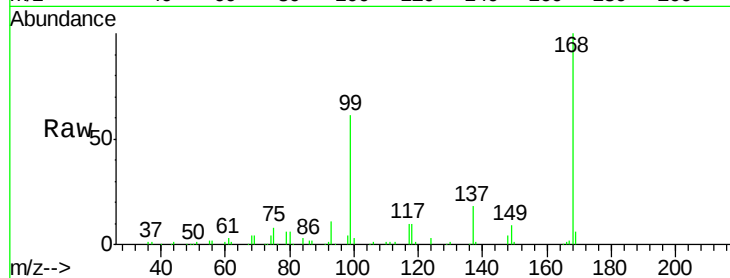
TB04-20200625

Tot Ion:168 Resp: 199085

Ion Ratio Lower Upper

168 100

99 60.8 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

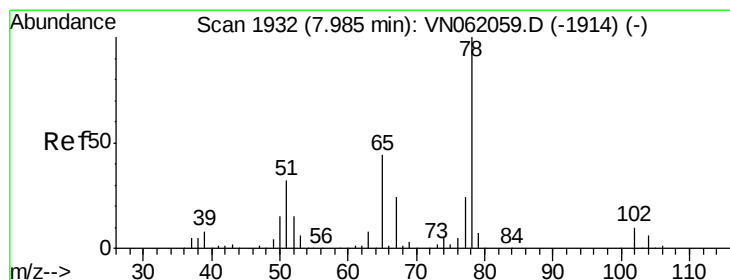
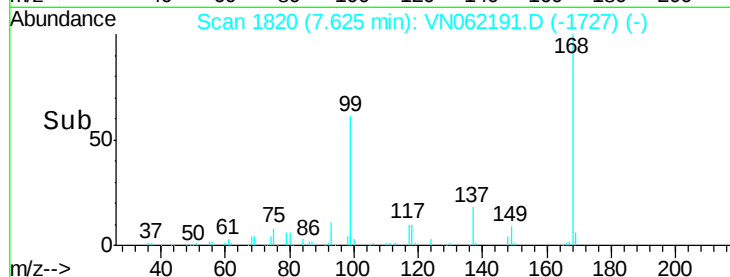
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 52.512 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062191.D

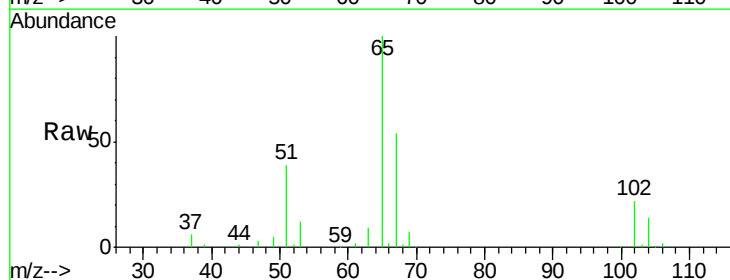
Acq: 29 Jun 2020 16:30

Tgt Ion: 65 Resp: 146711

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

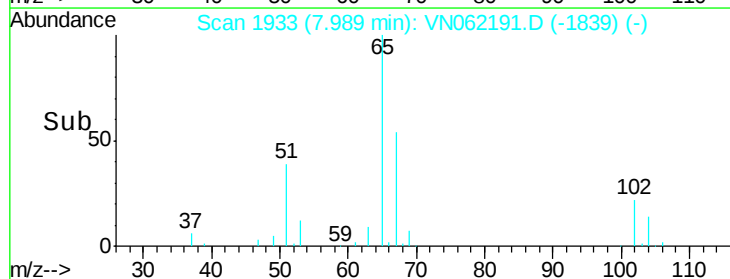
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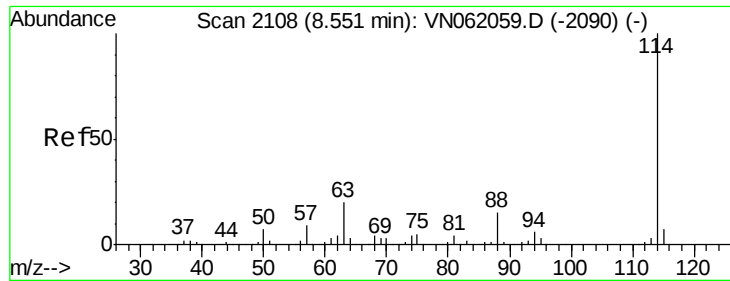
40000

20000

0

Time--> 7.90 8.00 8.10

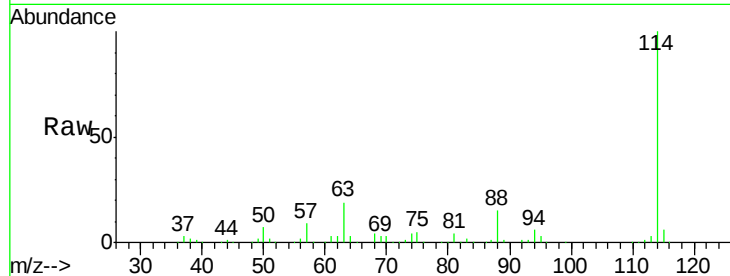




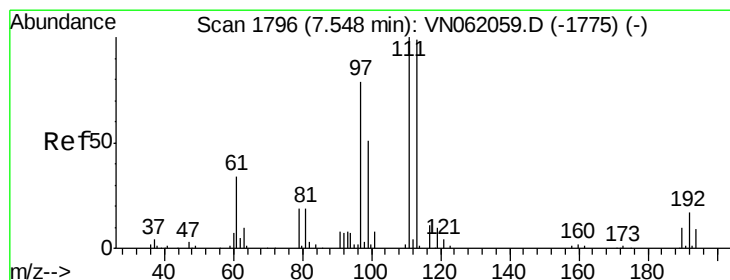
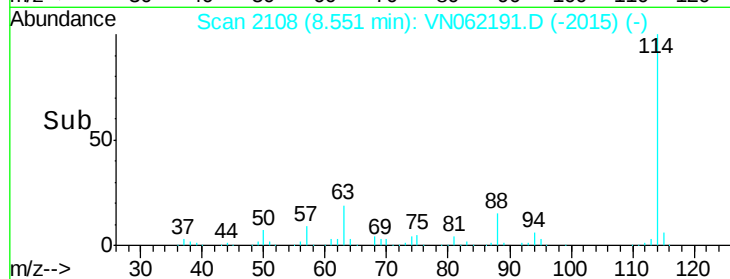
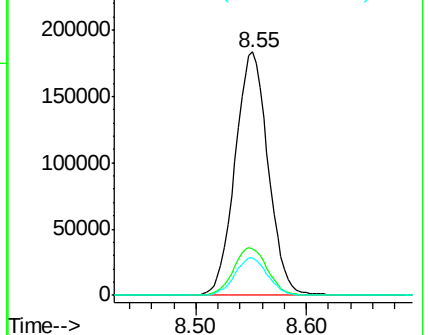
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN062191.D  
 Acq: 29 Jun 2020 16:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB04-20200625

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 39.2  |
| 88      | 15.3  | 0.0   | 30.8  |

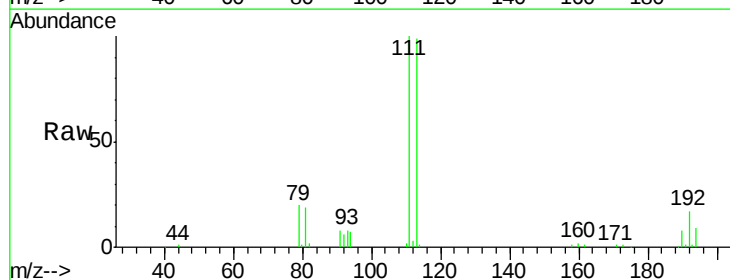


Abundance Ion 113.90 (113.60 to 114.60): V

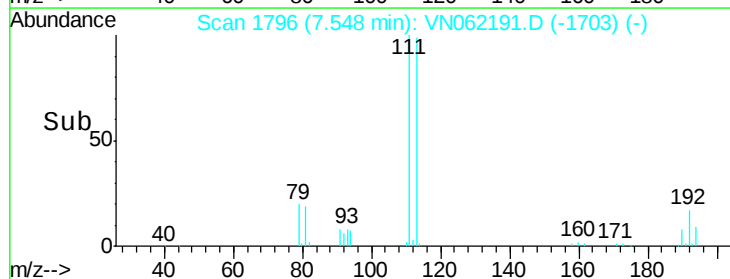
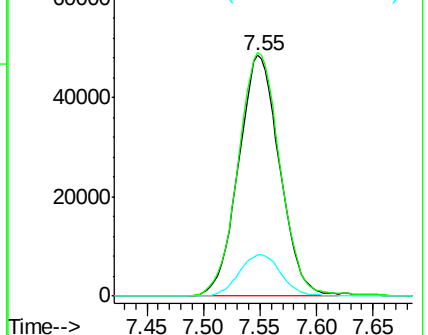


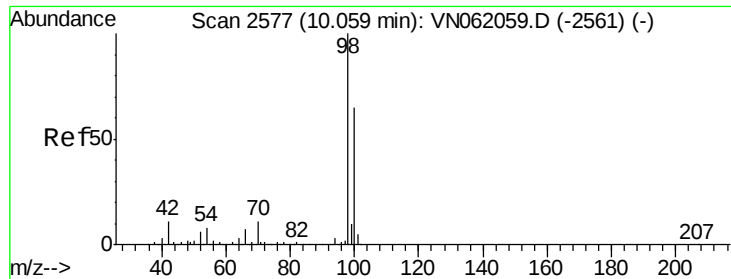
#35  
 Dibromofluoromethane  
 Concen: 50.173 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. -0.00 min  
 Lab File: VN062191.D  
 Acq: 29 Jun 2020 16:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.4 | 82.2  | 123.4 |
| 192     | 17.5  | 14.0  | 21.0  |



Abundance Ion 112.80 (112.50 to 113.50): V





#50

Toluene-d8

Concen: 49.556 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

Instrument :

MSVOA\_N

ClientSampleId :

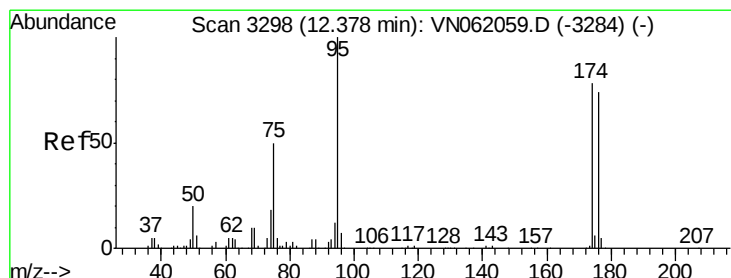
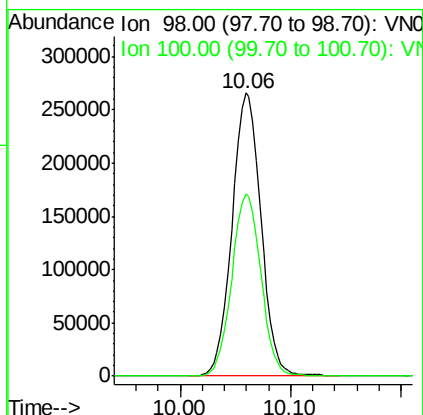
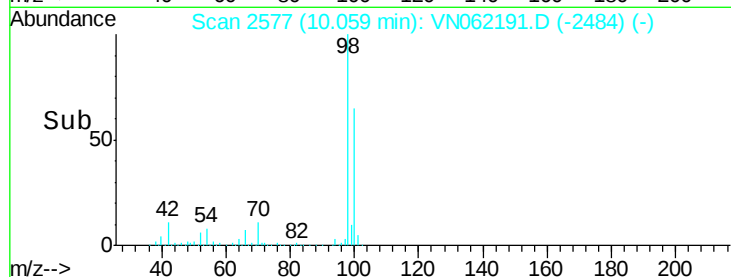
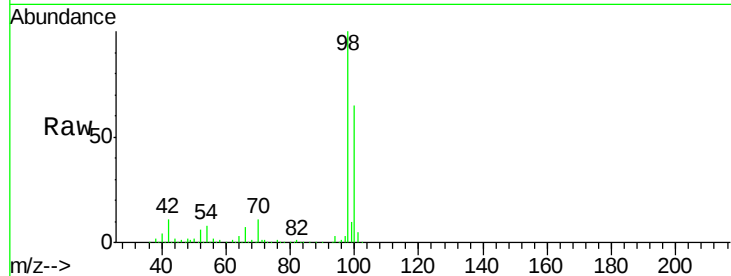
TB04-20200625

Tot Ion: 98 Resp: 483845

Ion Ratio Lower Upper

98 100

100 64.7 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 47.990 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062191.D

Acq: 29 Jun 2020 16:30

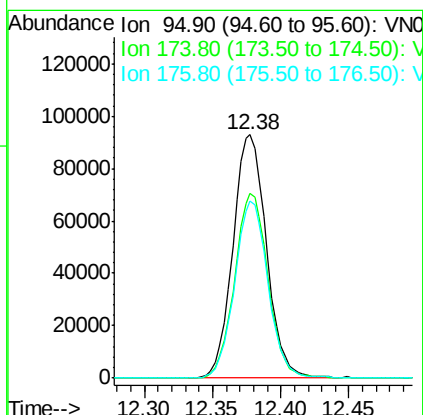
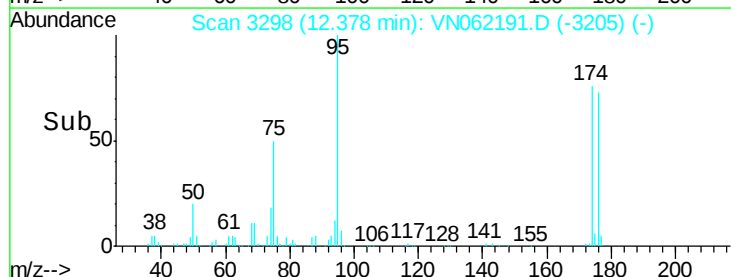
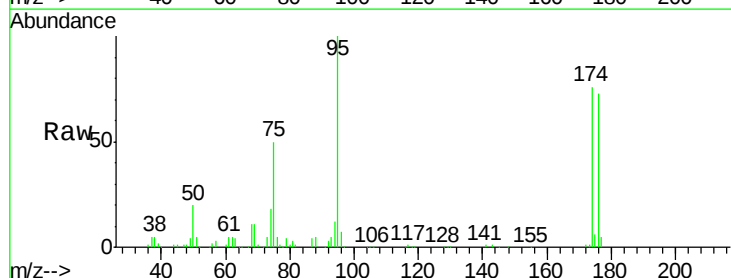
Tgt Ion: 95 Resp: 158305

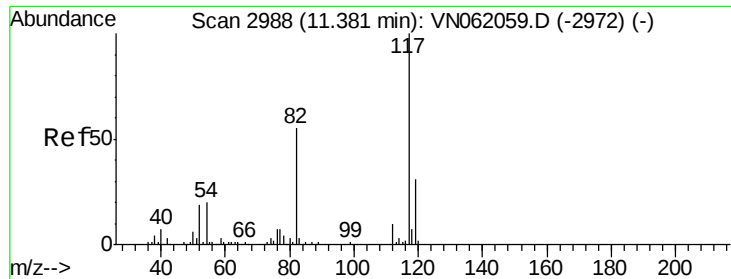
Ion Ratio Lower Upper

95 100

174 75.9 0.0 154.8

176 72.7 0.0 147.4

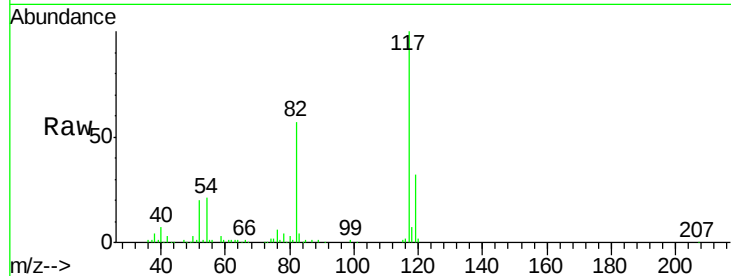




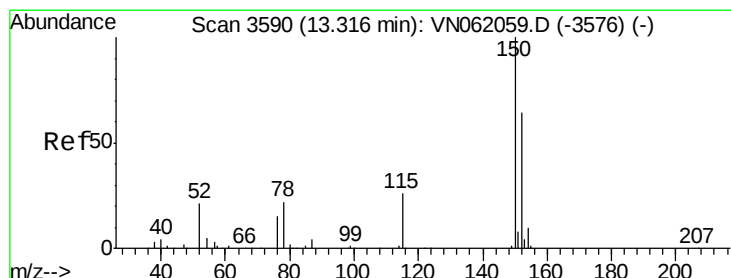
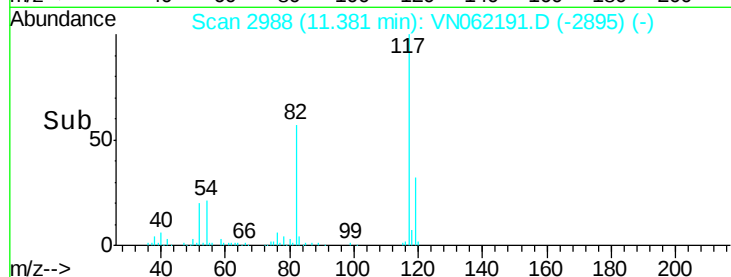
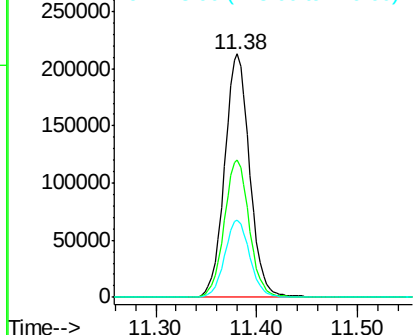
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN062191.D  
Acq: 29 Jun 2020 16:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB04-20200625

Tot Ion:117 Resp: 368704  
Ion Ratio Lower Upper  
117 100  
82 56.5 43.8 65.8  
119 31.9 25.2 37.8

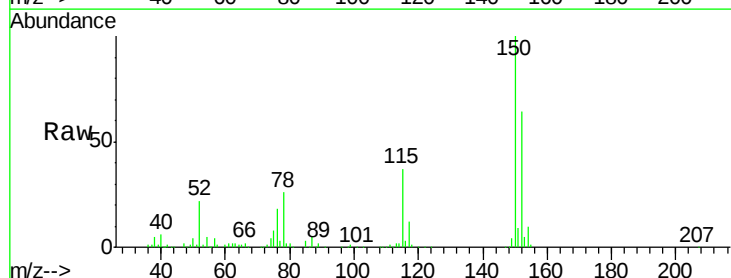


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062191.D  
Acq: 29 Jun 2020 16:30

Tgt Ion:152 Resp: 138368  
Ion Ratio Lower Upper  
152 100  
115 60.1 29.5 88.5  
150 157.7 0.0 351.4



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

