

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\  
 Data File : VN062590.D  
 Acq On : 22 Jul 2020 12:53  
 Operator : JC/MD  
 Sample : L3371-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-200720

Quant Time: Jul 23 07:28:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 18:48:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 172434   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 298943   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 283823   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 101186   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 133993   | 50.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.04% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 99969    | 50.91 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.82% |      |
| 50) Toluene-d8              | 10.06  | 98  | 386221   | 49.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.60%  |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 130622   | 45.60 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.20%  |      |

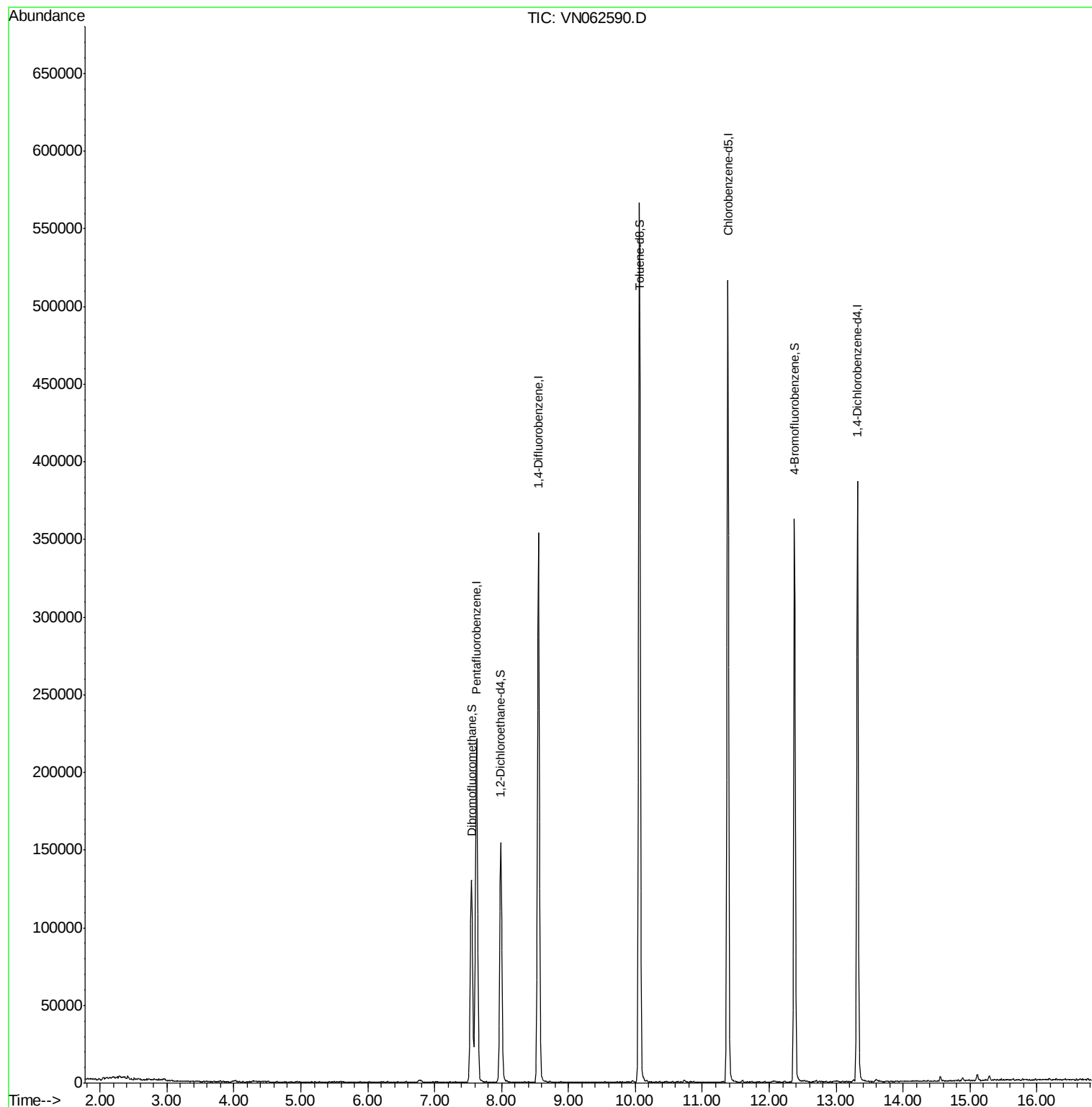
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Tue Jul 21 18:48:59 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: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA\_N

ClientSampleId :

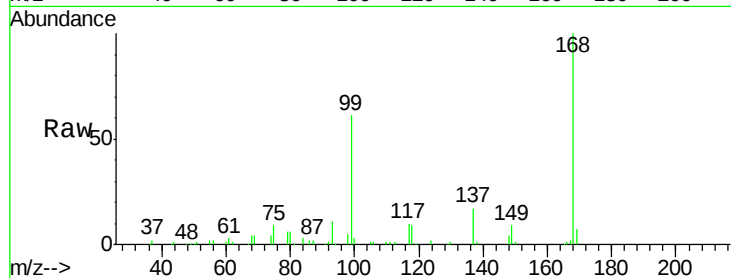
TB-01-200720

Tot Ion:168 Resp: 172434

Ion Ratio Lower Upper

168 100

99 60.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

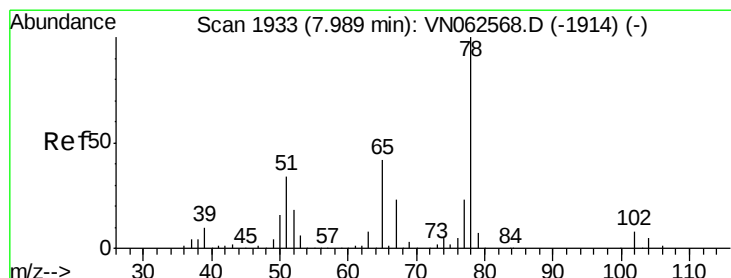
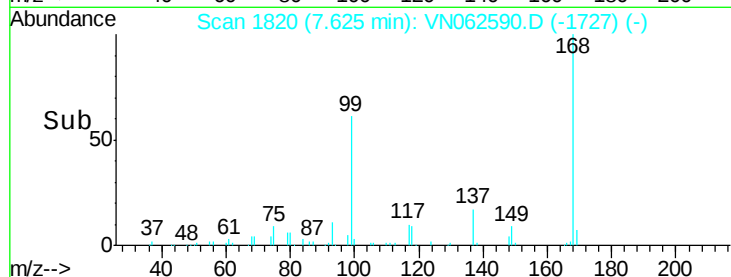
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 50.022 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062590.D

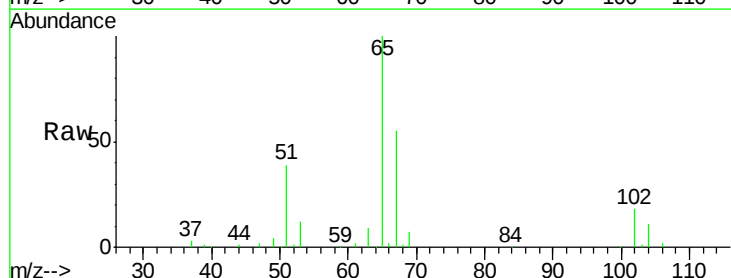
Acq: 22 Jul 2020 12:53

Tgt Ion: 65 Resp: 133993

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

60000

50000

40000

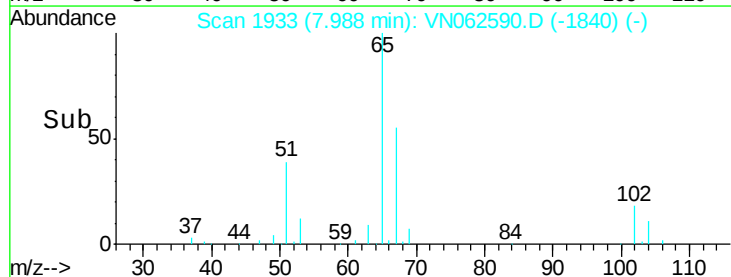
30000

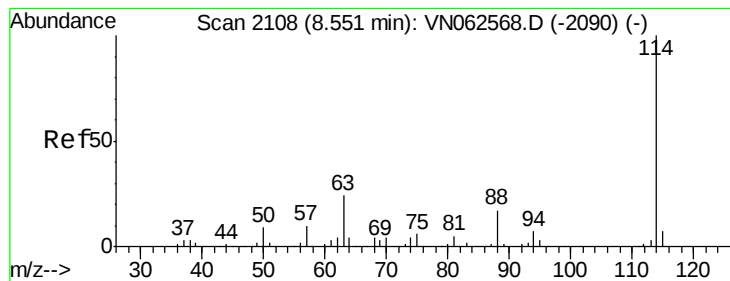
20000

10000

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: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-200720

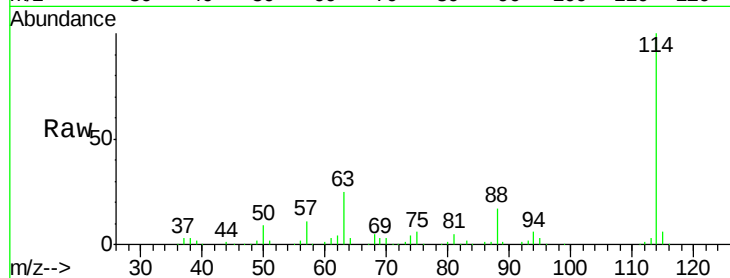
Tot Ion:114 Resp: 298943

Ion Ratio Lower Upper

114 100

63 24.8 0.0 48.4

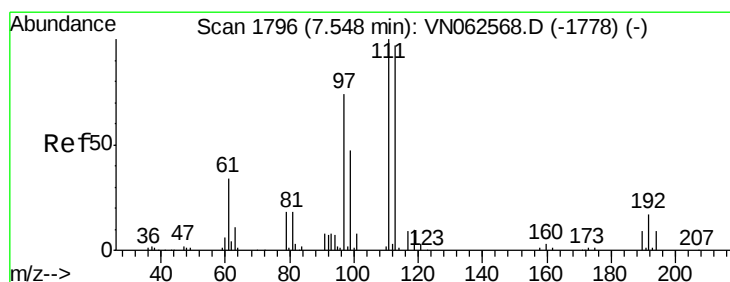
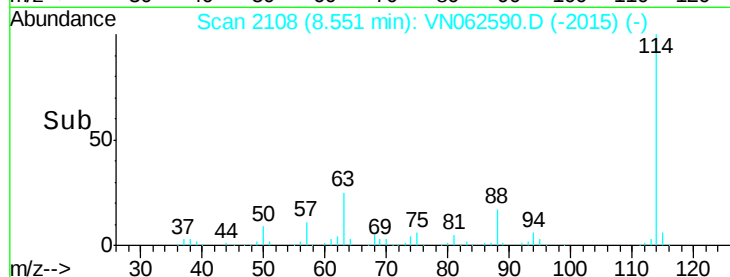
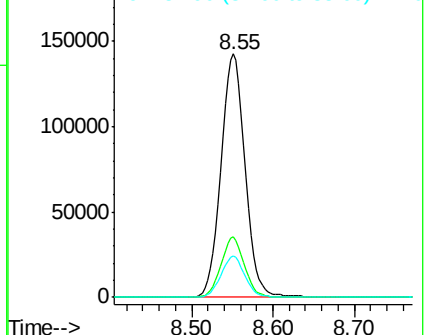
88 16.8 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.910 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

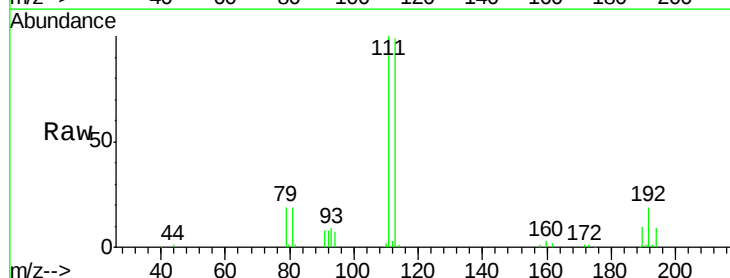
Tgt Ion:113 Resp: 99969

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

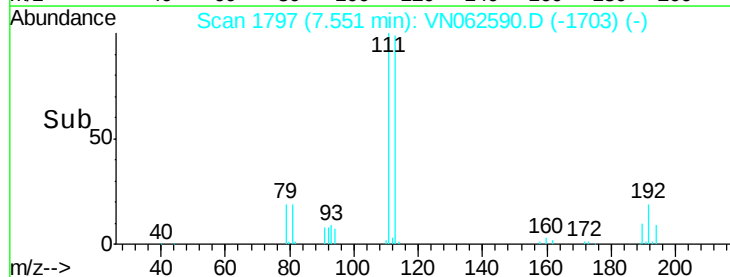
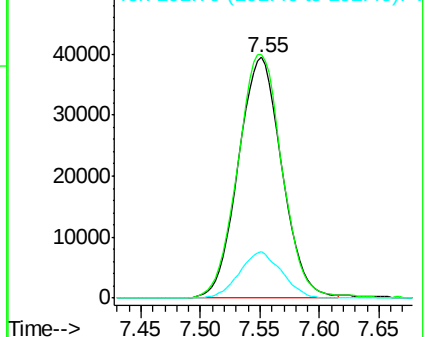
192 18.7 14.8 22.2

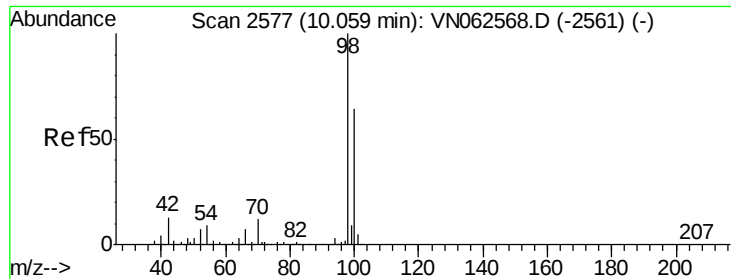


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.296 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA\_N

ClientSampleId :

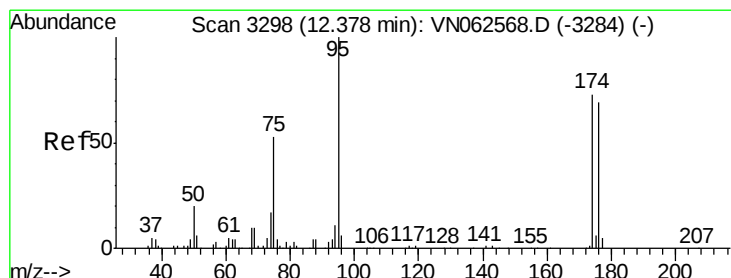
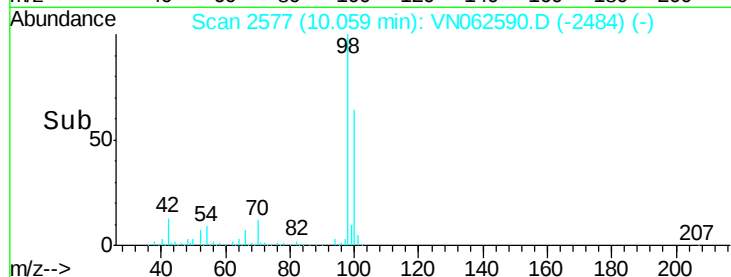
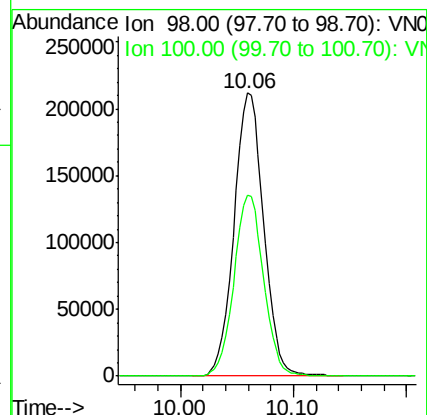
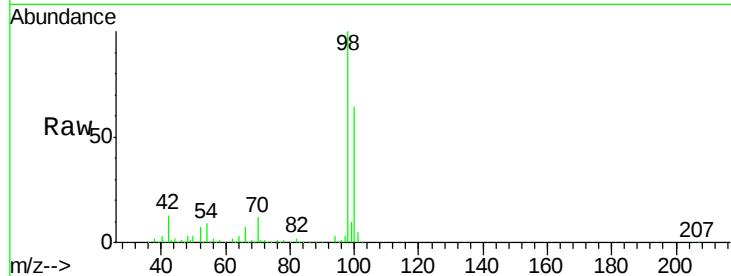
TB-01-200720

Tot Ion: 98 Resp: 386221

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 45.597 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

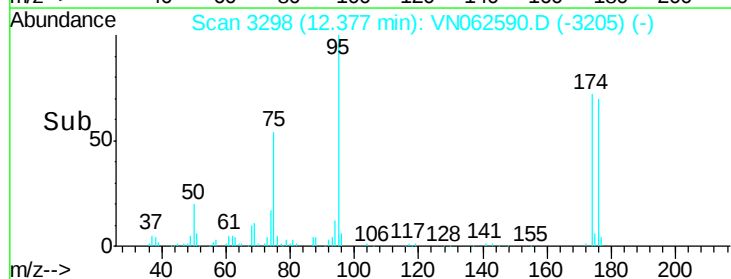
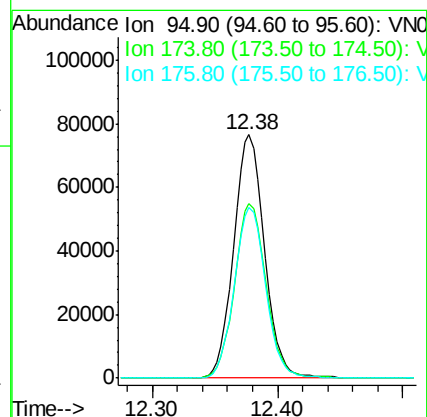
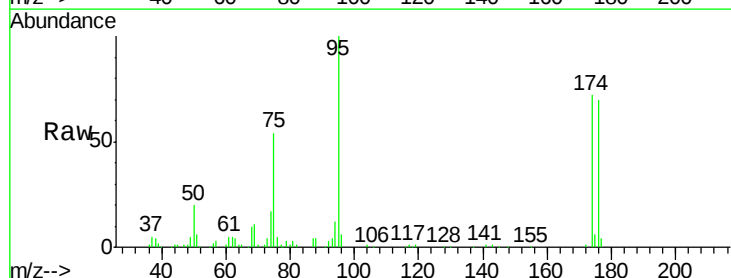
Tgt Ion: 95 Resp: 130622

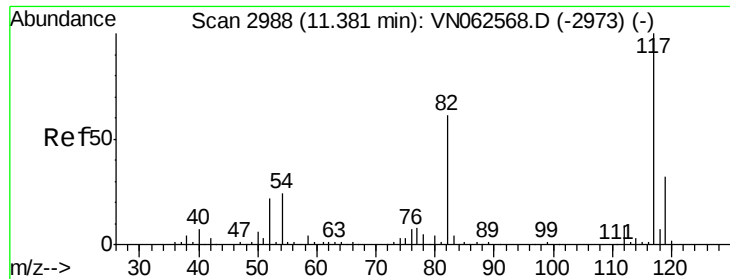
Ion Ratio Lower Upper

95 100

174 73.6 0.0 144.6

176 71.5 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-200720

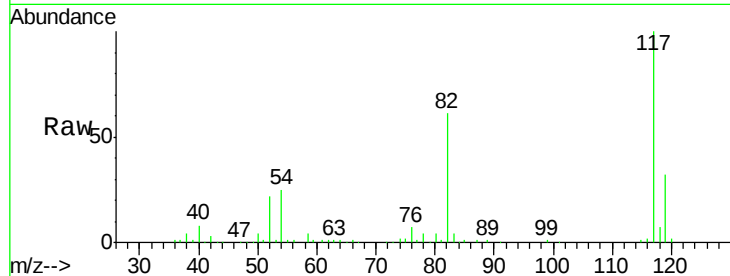
Tot Ion:117 Resp: 283823

Ion Ratio Lower Upper

117 100

82 61.0 49.0 73.6

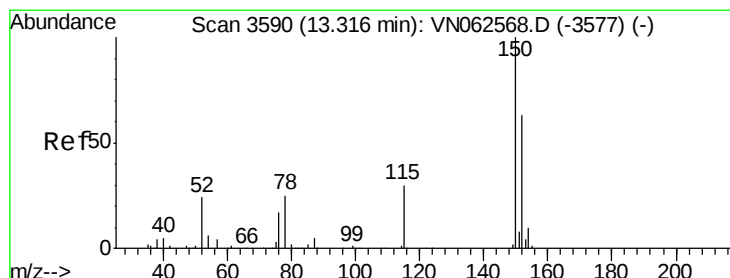
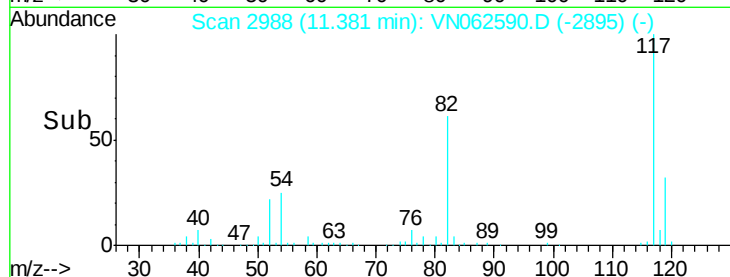
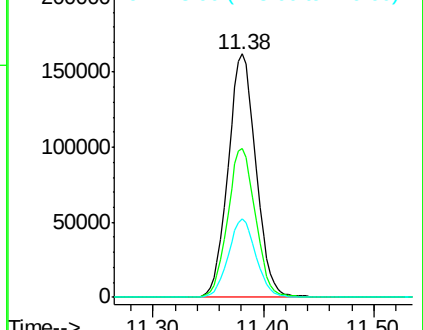
119 32.0 25.4 38.2



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: VN062590.D

Acq: 22 Jul 2020 12:53

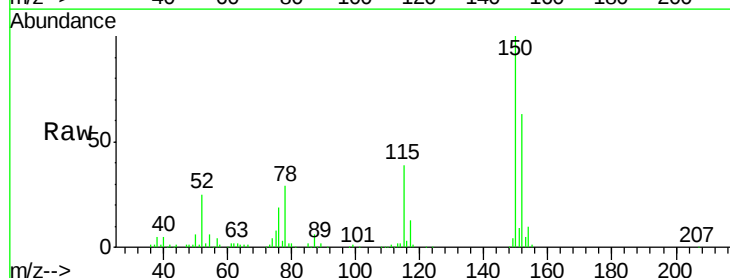
Tgt Ion:152 Resp: 101186

Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

150 155.4 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

