

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\  
 Data File : VN062023.D  
 Acq On : 23 Jun 2020 1:57  
 Operator : JC/MD  
 Sample : L3071-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-8

Quant Time: Jun 23 06:58:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

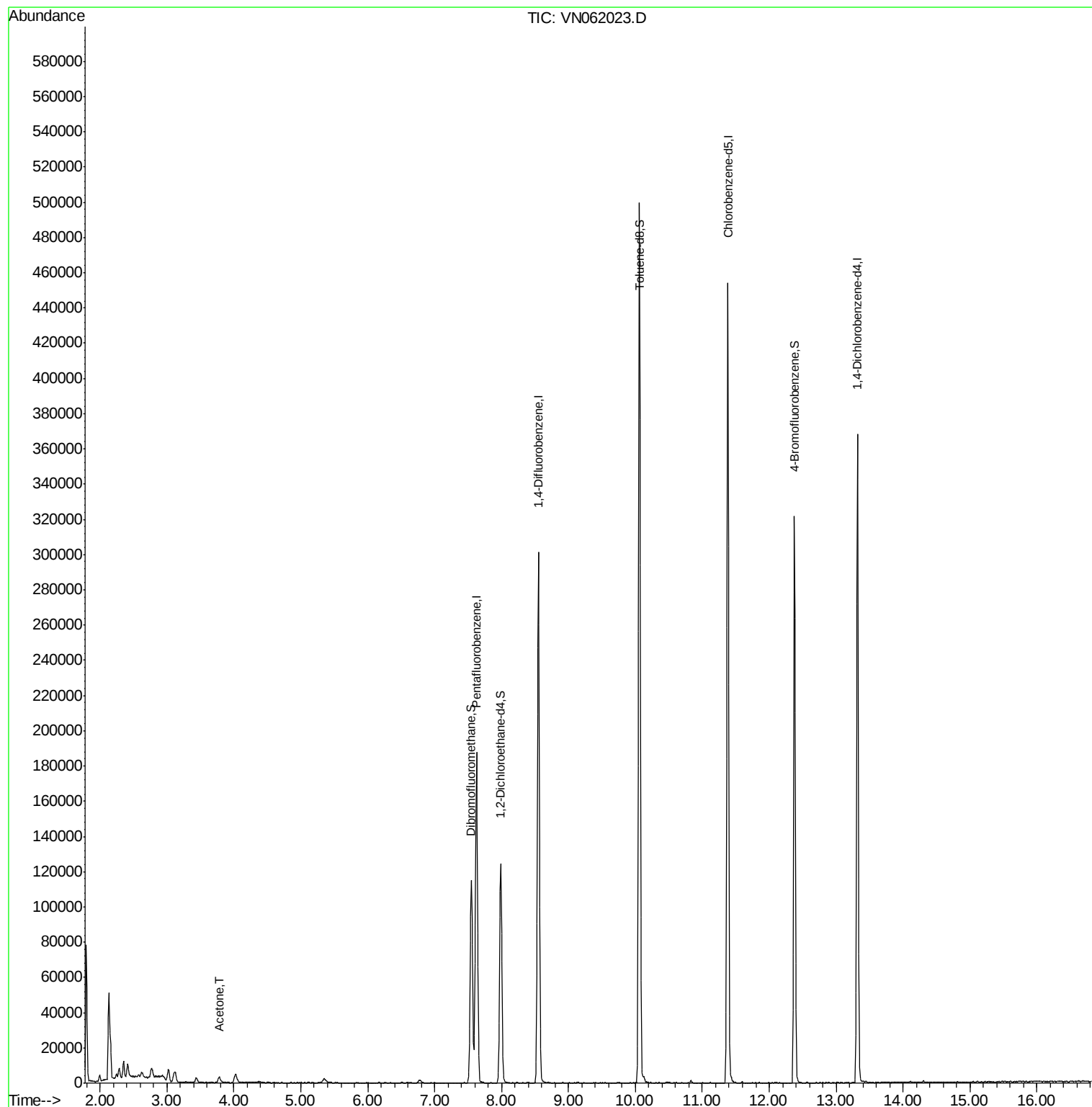
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 147160   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 277888   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 265851   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 99080    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 106876   | 54.15 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.30% |           |
| 35) Dibromofluoromethane    | 7.55  | 113  | 90395    | 50.85 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.70% |           |
| 50) Toluene-d8              | 10.06 | 98   | 349557   | 50.01 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.02% |           |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 112550   | 46.95 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.90%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 3.78  | 43   | 5661     | 9.711 | ug/l #  | Qvalue 87 |

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

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Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 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: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA\_N

ClientSampled :

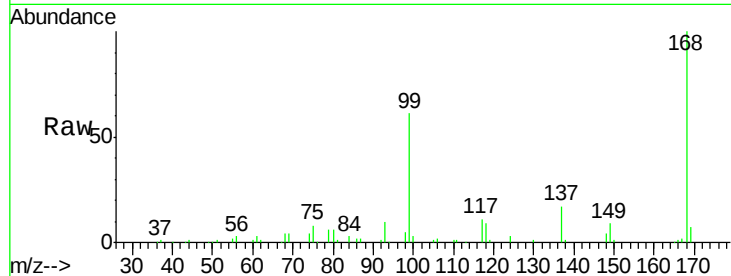
TW-8

Tot Ion:168 Resp: 147160

Ion Ratio Lower Upper

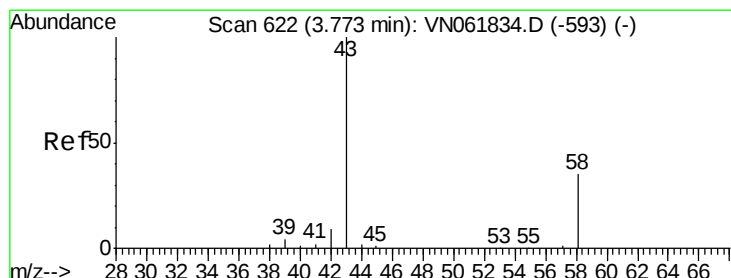
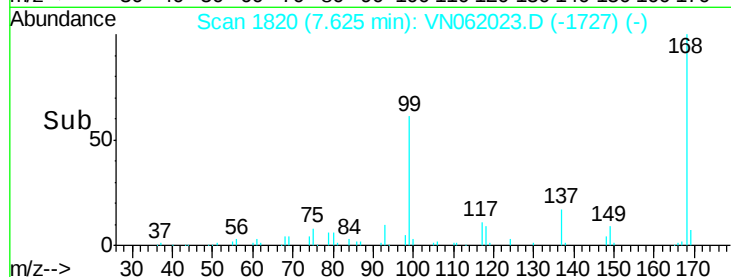
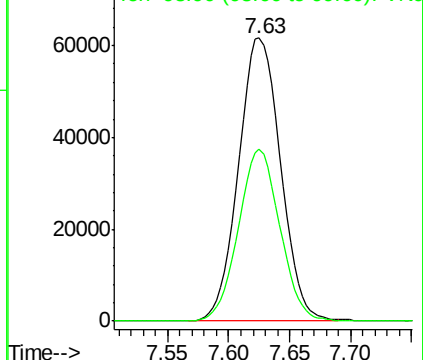
168 100

99 60.9 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 9.711 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062023.D

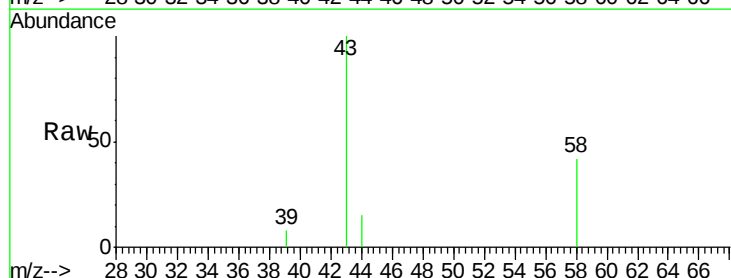
Acq: 23 Jun 2020 1:57

Tgt Ion: 43 Resp: 5661

Ion Ratio Lower Upper

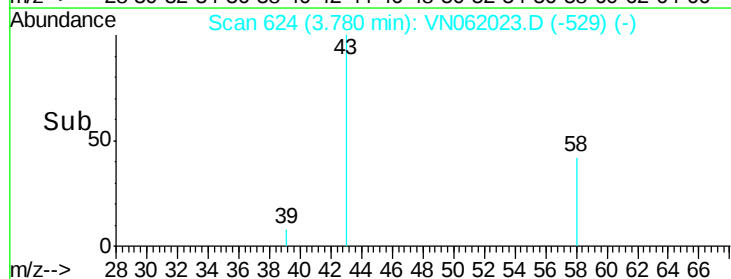
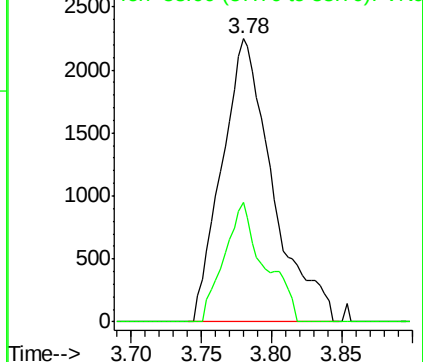
43 100

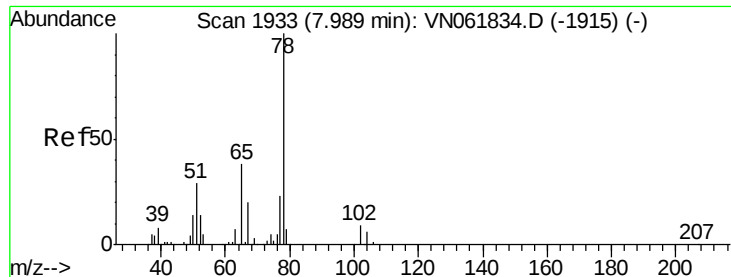
58 42.1 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 54.152 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA\_N

ClientSampled :

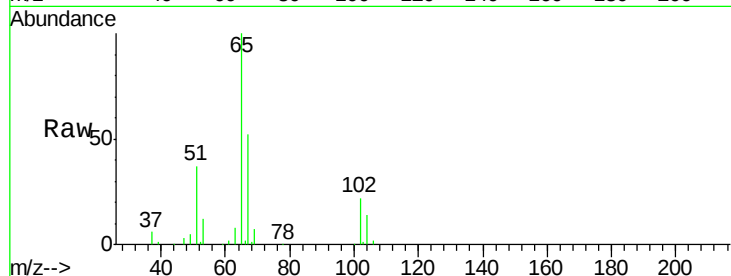
TW-8

Tot Ion: 65 Resp: 106876

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.2

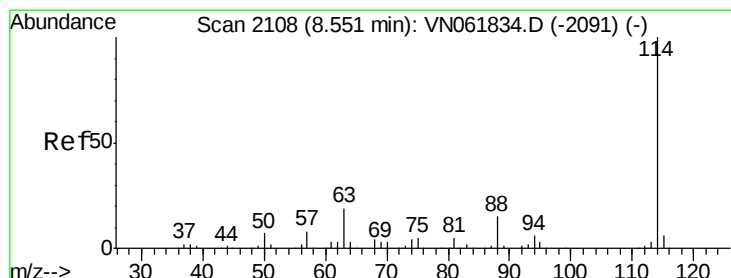
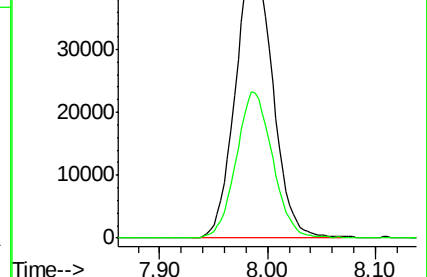
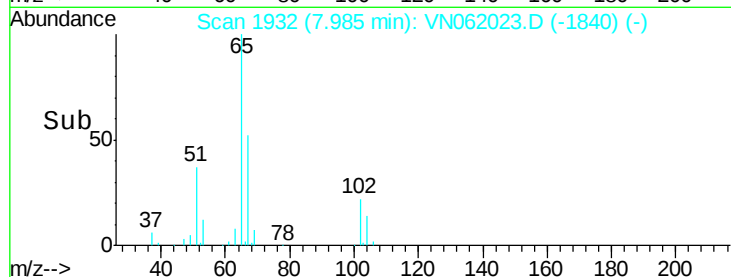


Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

7.99

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

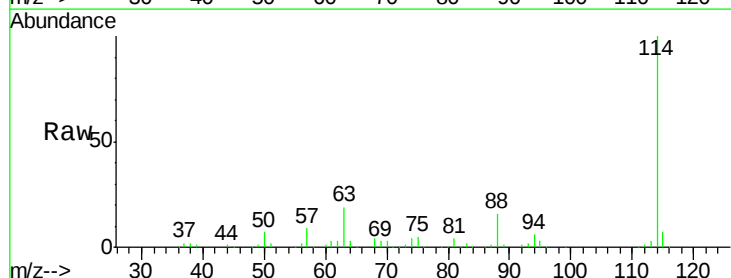
Tgt Ion: 114 Resp: 277888

Ion Ratio Lower Upper

114 100

63 19.2 0.0 37.6

88 15.9 0.0 31.0



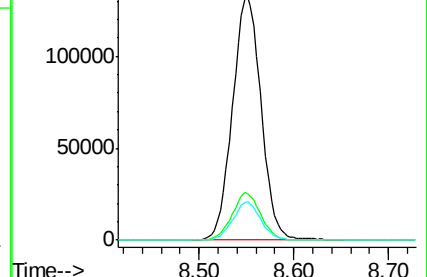
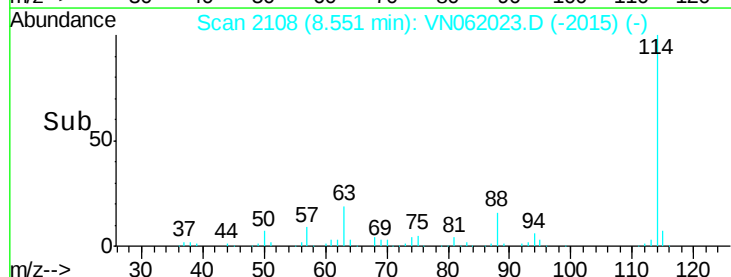
Abundance Ion 113.90 (113.60 to 114.60): VN061834.D (-2091) (-)

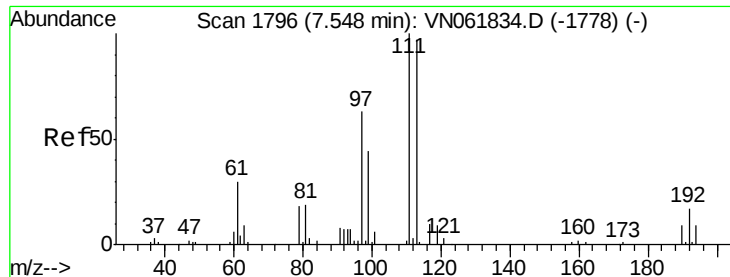
Ion 63.00 (62.70 to 63.70): VN061834.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN061834.D (-2091) (-)

8.55

Time-->

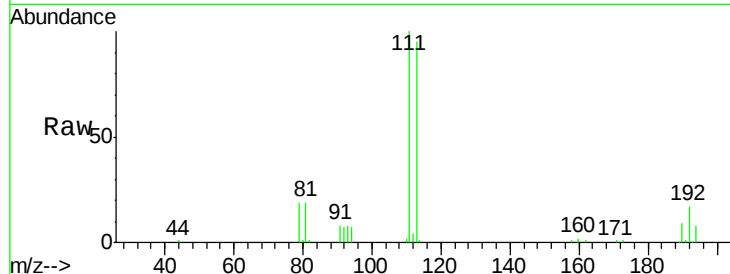




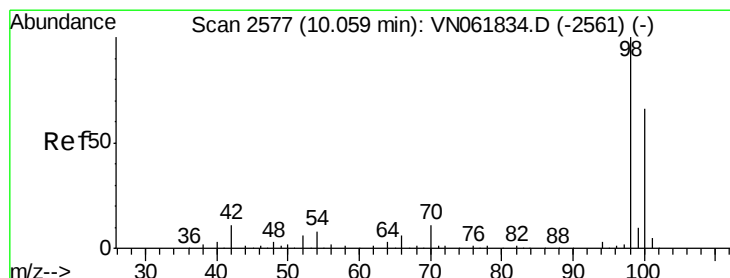
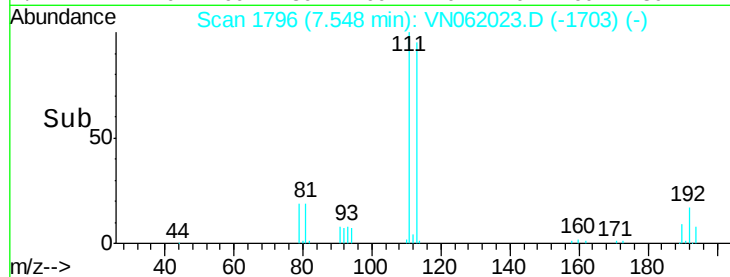
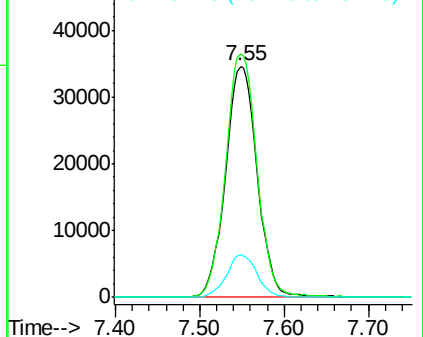
#35  
Dibromofluoromethane  
Concen: 50.847 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. -0.00 min  
Lab File: VN062023.D  
Acq: 23 Jun 2020 1:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
TW-8

Tot Ion:113 Resp: 90395  
Ion Ratio Lower Upper  
113 100  
111 103.9 83.7 125.5  
192 17.7 13.9 20.9

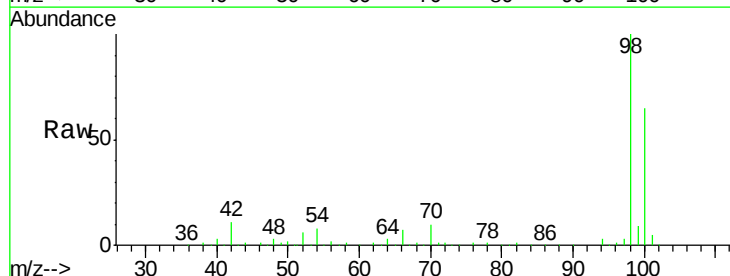


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

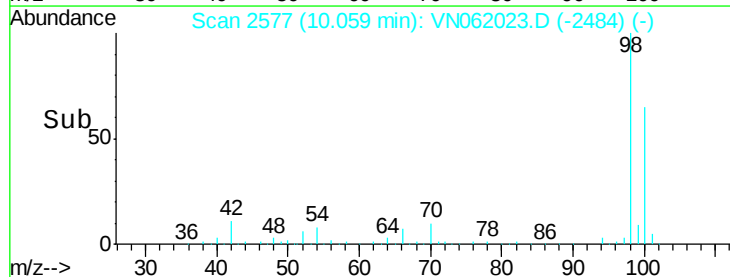
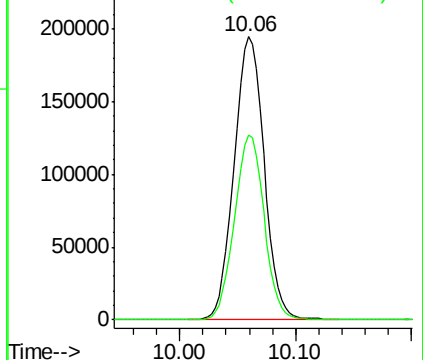


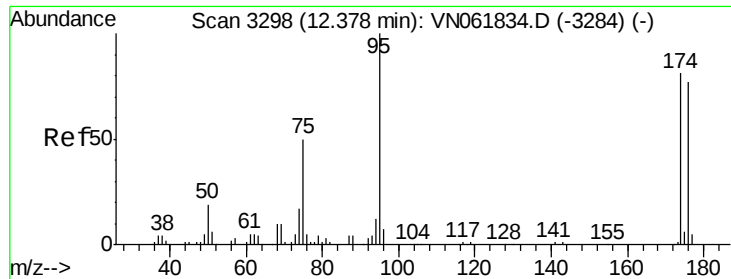
#50  
Toluene-d8  
Concen: 50.014 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. -0.00 min  
Lab File: VN062023.D  
Acq: 23 Jun 2020 1:57

Tgt Ion: 98 Resp: 349557  
Ion Ratio Lower Upper  
98 100  
100 64.5 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): V  
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.947 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

Instrument :

MSVOA\_N

ClientSampled :

TW-8

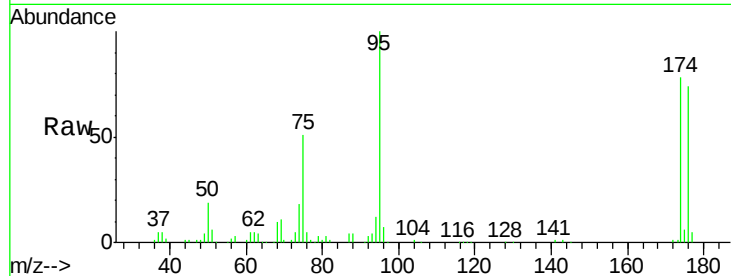
Tot Ion: 95 Resp: 112550

Ion Ratio Lower Upper

95 100

174 77.8 0.0 158.6

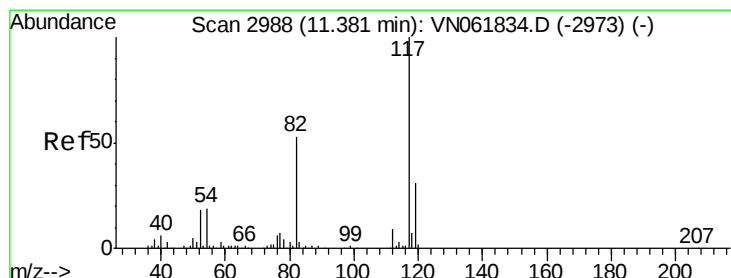
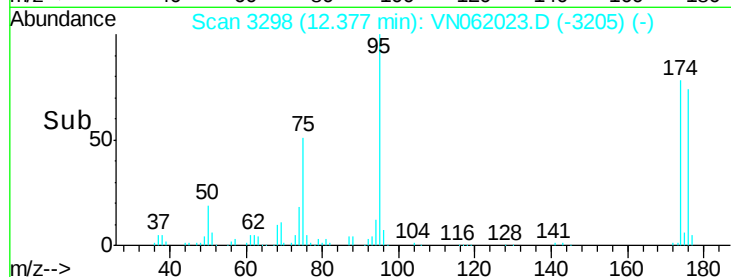
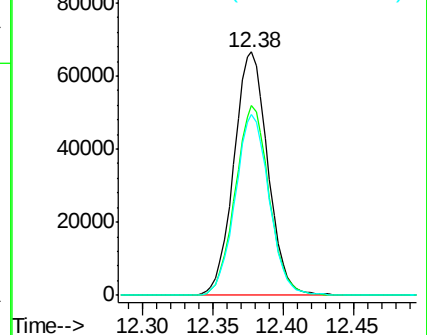
176 74.3 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062023.D

Acq: 23 Jun 2020 1:57

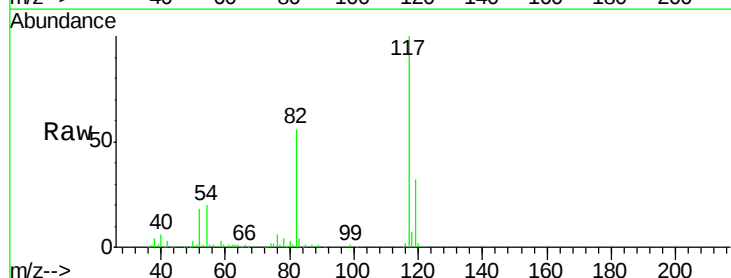
Tgt Ion: 117 Resp: 265851

Ion Ratio Lower Upper

117 100

82 55.6 42.6 64.0

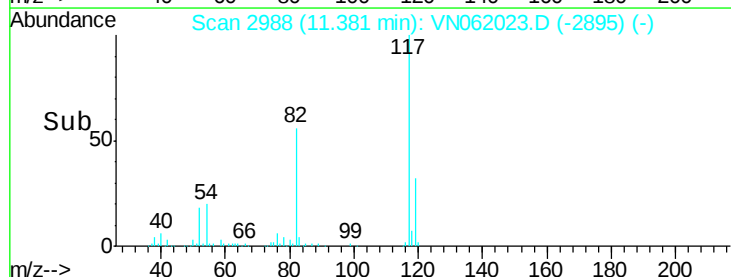
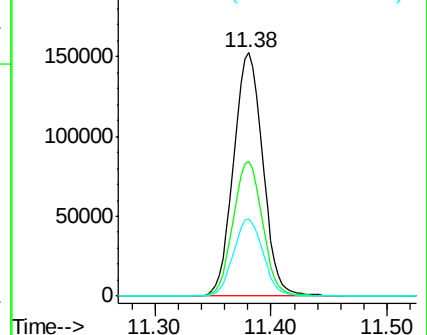
119 31.9 24.7 37.1

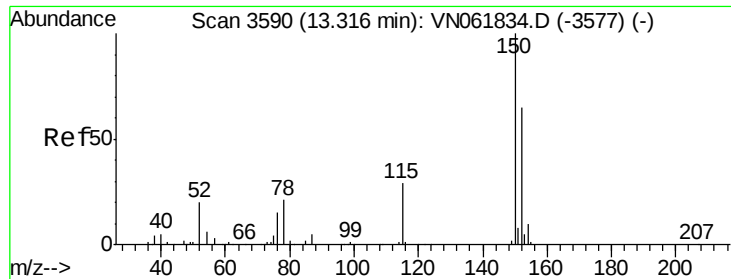


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)

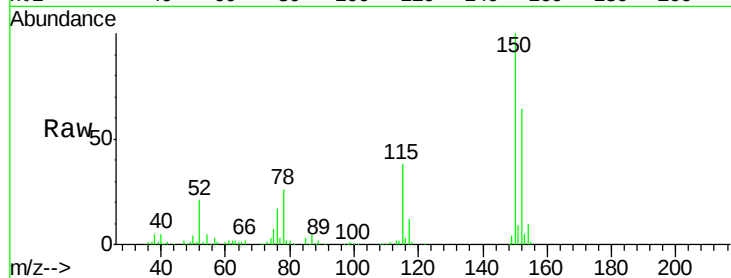




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.32 min Scan# 3591  
 Delta R.T. 0.00 min  
 Lab File: VN062023.D  
 Acq: 23 Jun 2020 1:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TW-8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.5  | 29.1  | 87.3  |
| 150     | 160.9 | 0.0   | 347.6 |



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

