

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\  
 Data File : VN063005.D  
 Acq On : 19 Aug 2020 11:40  
 Operator : JC/MD  
 Sample : L3722-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 GW-02

Quant Time: Aug 19 14:17:04 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

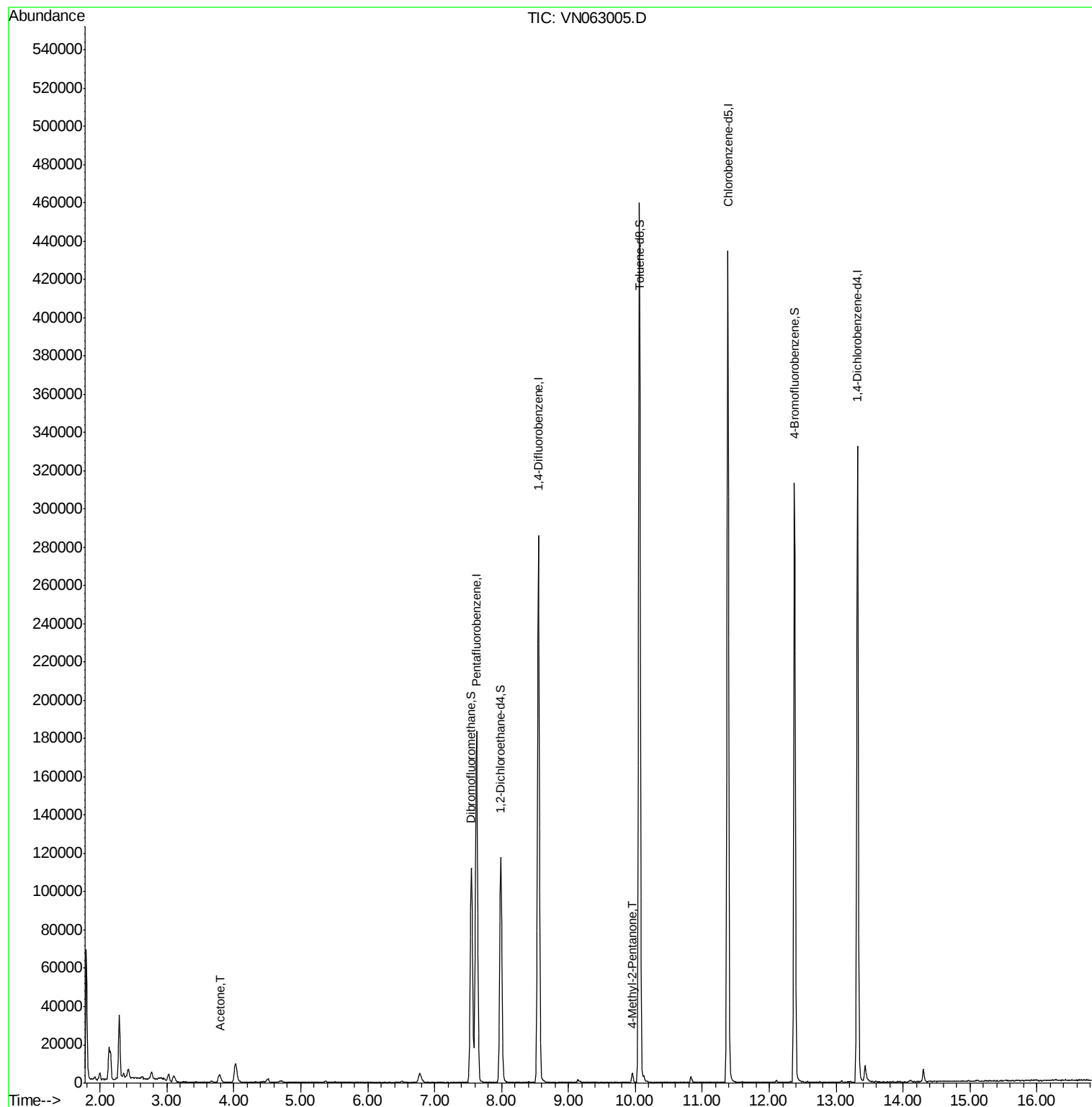
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 154788   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 255922   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 263895   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 96616    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 101416   | 55.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.56% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 87124    | 52.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.50% |          |
| 50) Toluene-d8              | 10.06 | 98   | 327976   | 51.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.40% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 111778   | 49.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.90%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 7953     | 10.138 | ug/l    | 96       |
| 51) 4-Methyl-2-Pentanone    | 9.96  | 43   | 4012     | 1.813  | ug/l    | 90       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081920\  
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MSVOA\_N  
ClientSampleId :  
GW-02

Quant Time: Aug 19 14:17:04 2020  
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: VN063005.D

Acq: 19 Aug 2020 11:40

Instrument :

MSVOA\_N

ClientSampled :

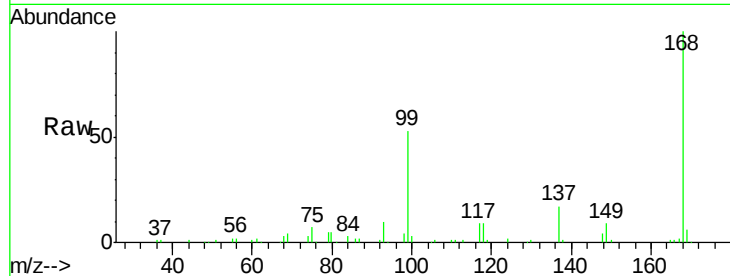
GW-02

Tot Ion:168 Resp: 154788

Ion Ratio Lower Upper

168 100

99 53.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

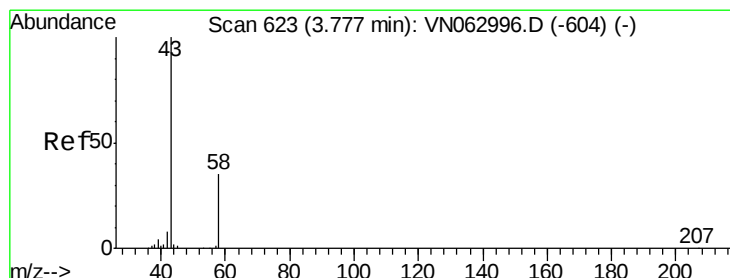
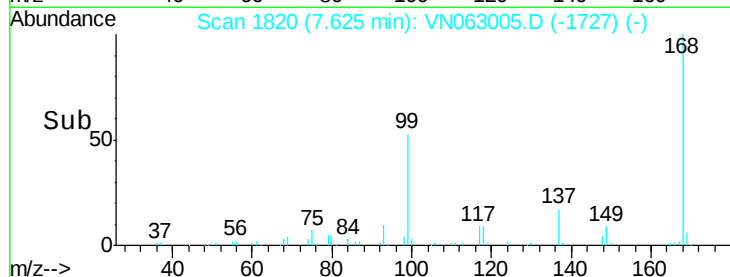
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 10.138 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063005.D

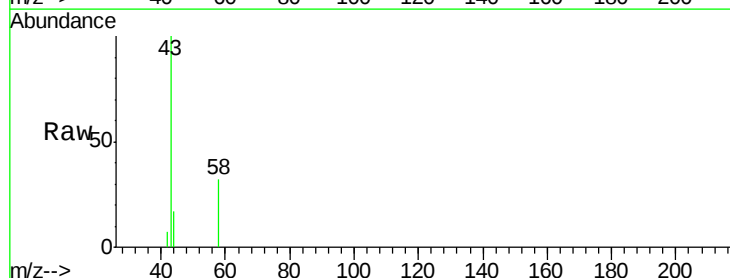
Acq: 19 Aug 2020 11:40

Tgt Ion: 43 Resp: 7953

Ion Ratio Lower Upper

43 100

58 32.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

3000

2500

2000

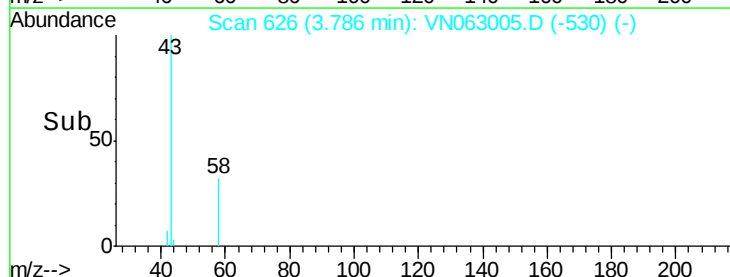
1500

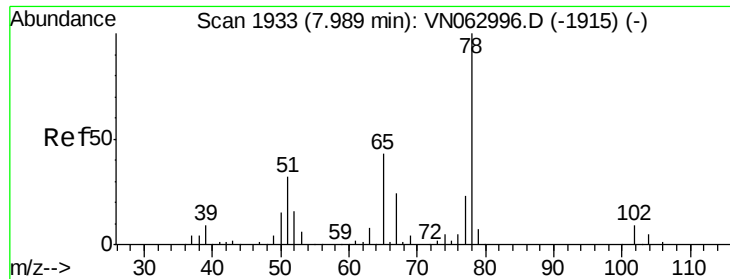
1000

500

0

Time--> 3.70 3.75 3.80 3.85 3.90





#33

1,2-Dichloroethane-d4

Concen: 55.282 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN063005.D

Acq: 19 Aug 2020 11:40

Instrument :

MSVOA\_N

ClientSampleId :

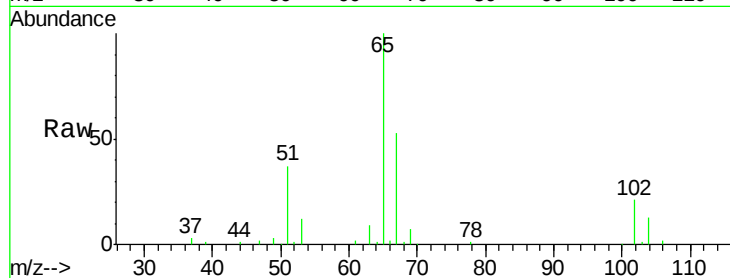
GW-02

Tot Ion: 65 Resp: 101416

Ion Ratio Lower Upper

65 100

67 53.4 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN062996.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062996.D (-1915) (-)

7.99

40000

30000

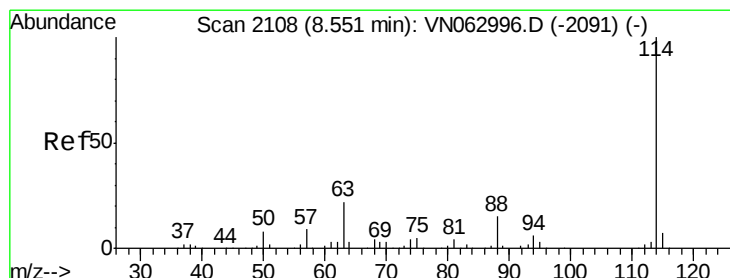
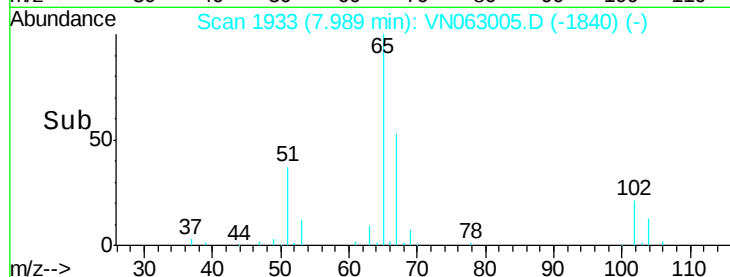
20000

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: VN063005.D

Acq: 19 Aug 2020 11:40

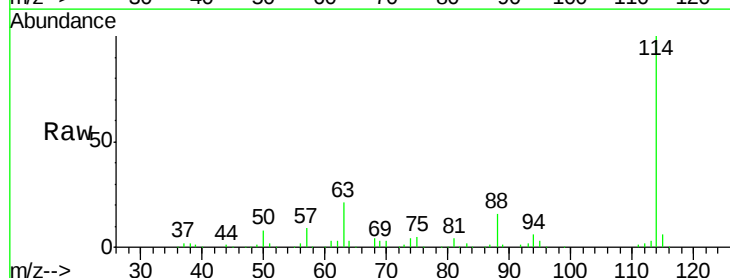
Tgt Ion: 114 Resp: 255922

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN062996.D (-2091) (-)

Ion 63.00 (62.70 to 63.70): VN062996.D (-2091) (-)

Ion 87.90 (87.60 to 88.60): VN062996.D (-2091) (-)

8.55

150000

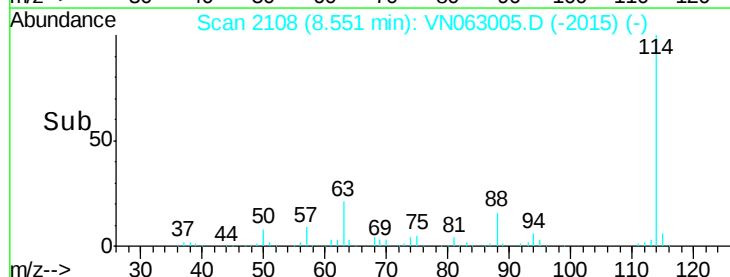
100000

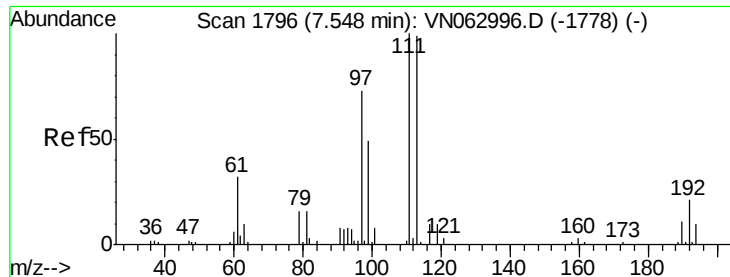
50000

0

8.50 8.60

Time-->

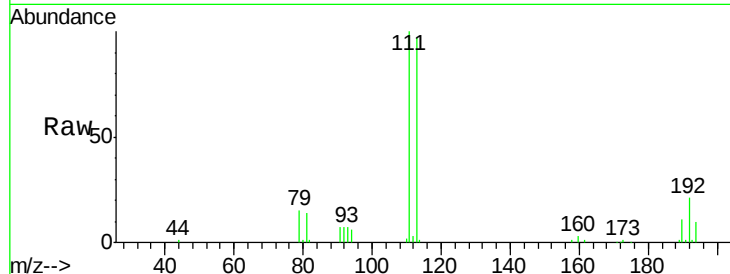




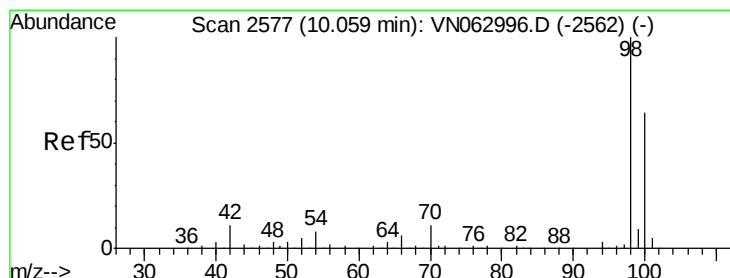
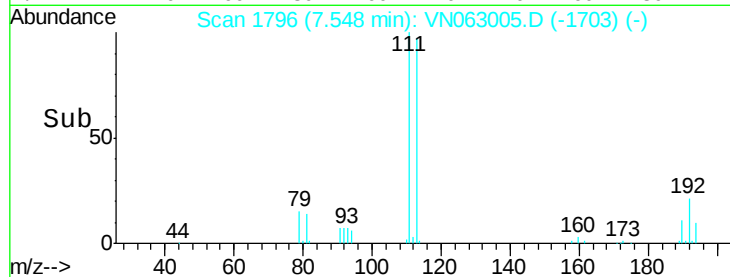
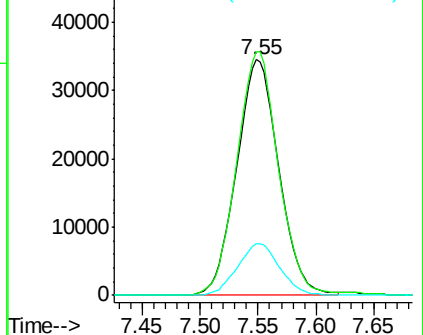
#35  
Dibromofluoromethane  
Concen: 52.246 ug/l  
RT: 7.55 min Scan# 1796  
Delta R.T. 0.00 min  
Lab File: VN063005.D  
Acq: 19 Aug 2020 11:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
GW-02

Tot Ion:113 Resp: 87124  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.7 122.5  
192 22.0 17.5 26.3

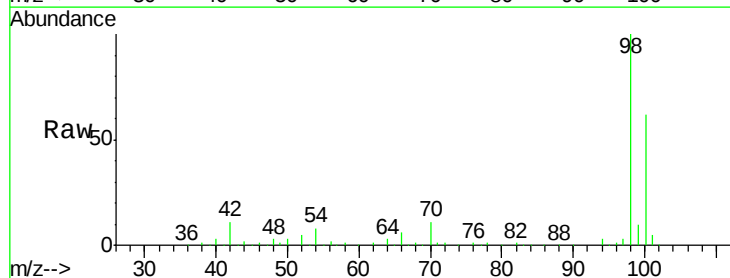


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

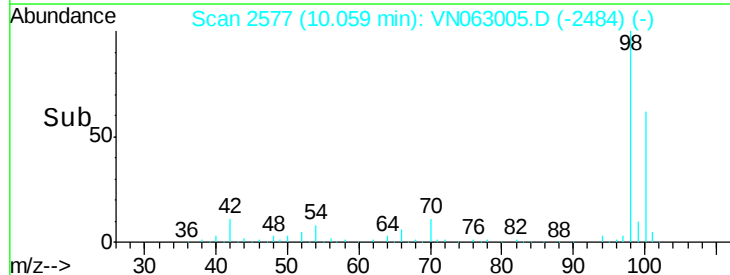
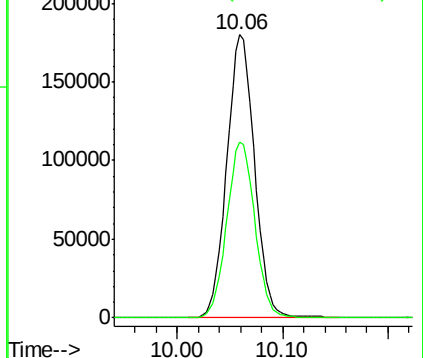


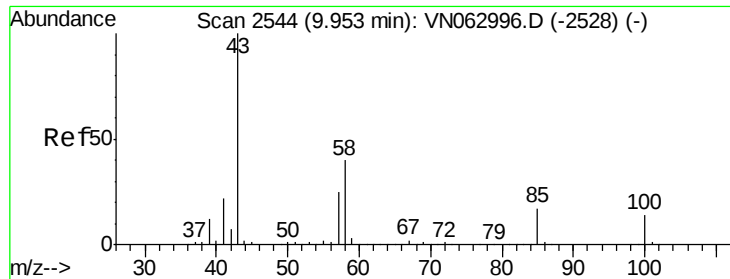
#50  
Toluene-d8  
Concen: 51.204 ug/l  
RT: 10.06 min Scan# 2577  
Delta R.T. 0.00 min  
Lab File: VN063005.D  
Acq: 19 Aug 2020 11:40

Tgt Ion: 98 Resp: 327976  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.813 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN063005.D

Acq: 19 Aug 2020 11:40

Instrument :

MSVOA\_N

ClientSampled :

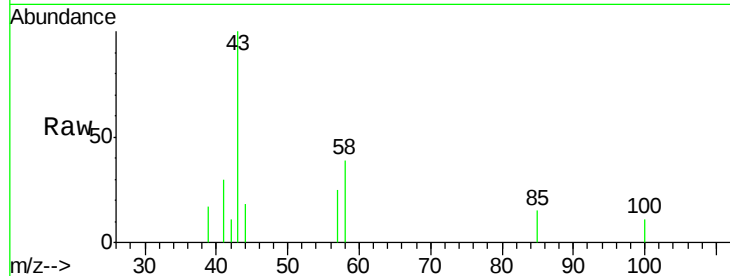
GW-02

Tot Ion: 43 Resp: 4012

Ion Ratio Lower Upper

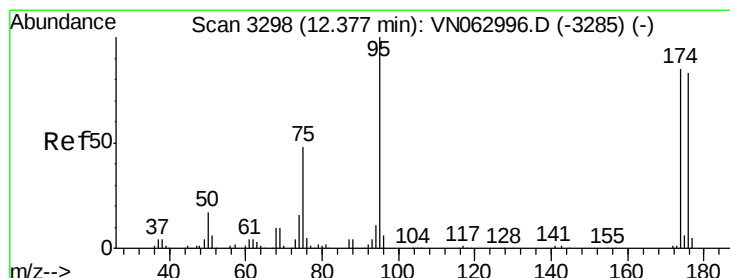
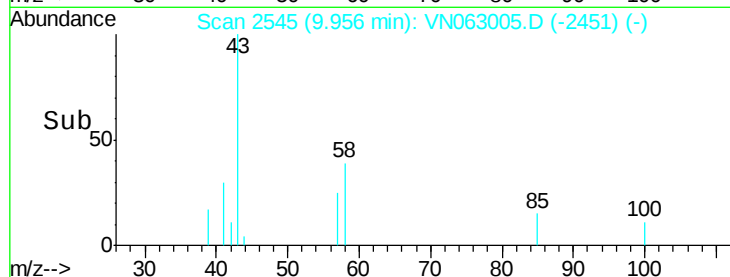
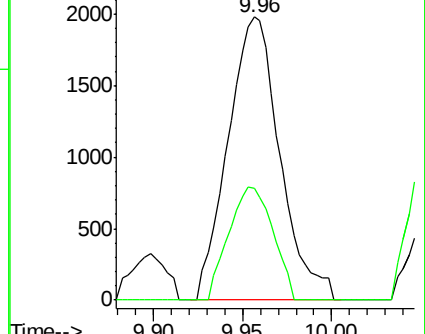
43 100

58 34.0 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)



#62

4-Bromofluorobenzene

Concen: 49.452 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063005.D

Acq: 19 Aug 2020 11:40

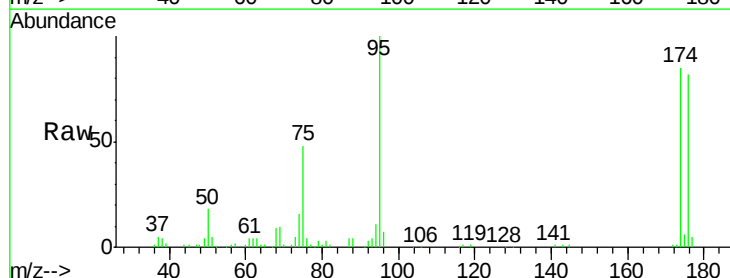
Tgt Ion: 95 Resp: 111778

Ion Ratio Lower Upper

95 100

174 85.6 0.0 170.8

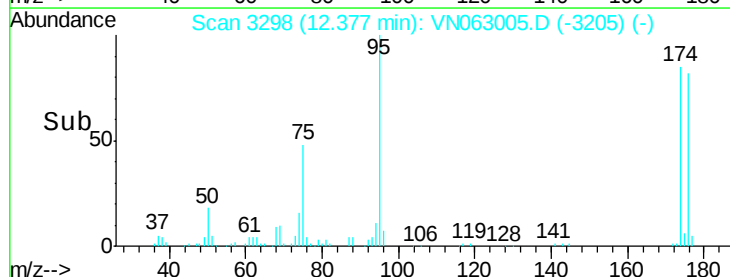
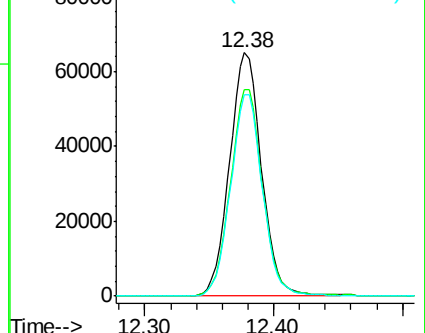
176 82.8 0.0 164.8

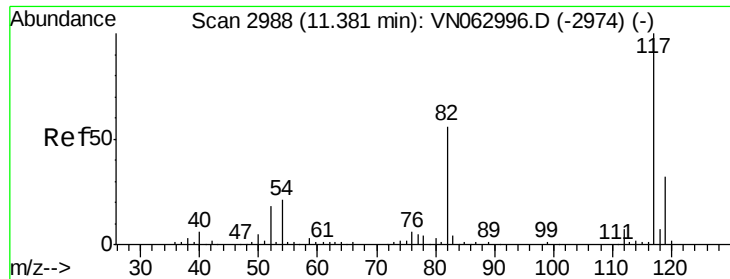


Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063005.D

Acq: 19 Aug 2020 11:40

Instrument :

MSVOA\_N

ClientSampleId :

GW-02

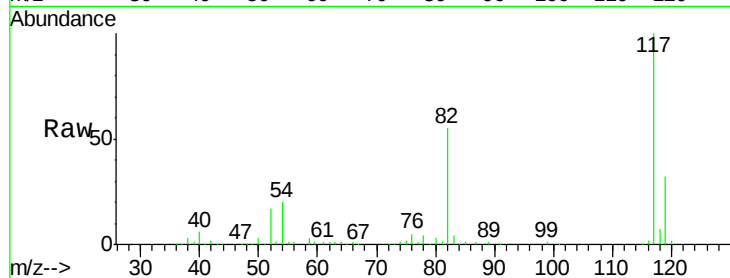
Tot Ion:117 Resp: 263895

Ion Ratio Lower Upper

117 100

82 55.0 44.5 66.7

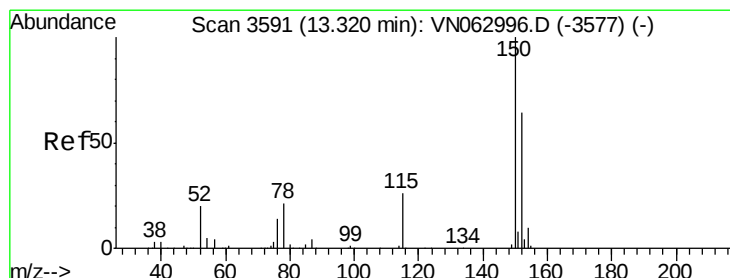
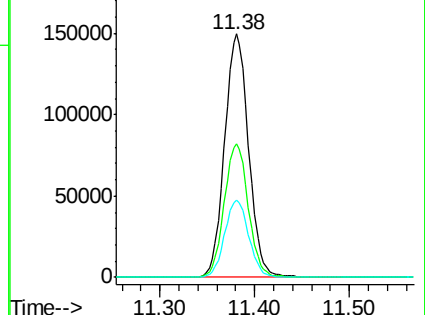
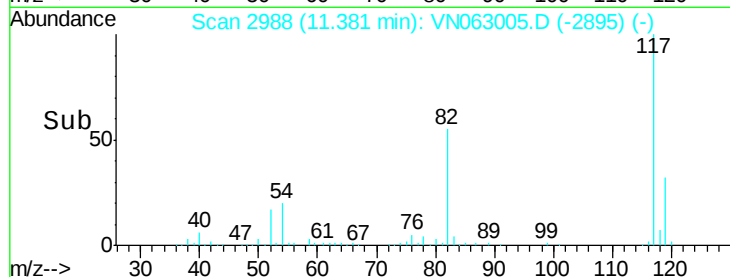
119 31.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN063005.D

Acq: 19 Aug 2020 11:40

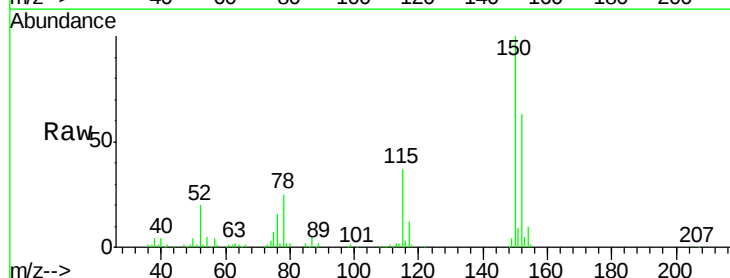
Tgt Ion:152 Resp: 96616

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.3

150 156.7 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

