

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\  
 Data File : VN063064.D  
 Acq On : 21 Aug 2020 3:41  
 Operator : JC/MD  
 Sample : L3698-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 39-OWS-081320

Quant Time: Aug 21 07:46:16 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

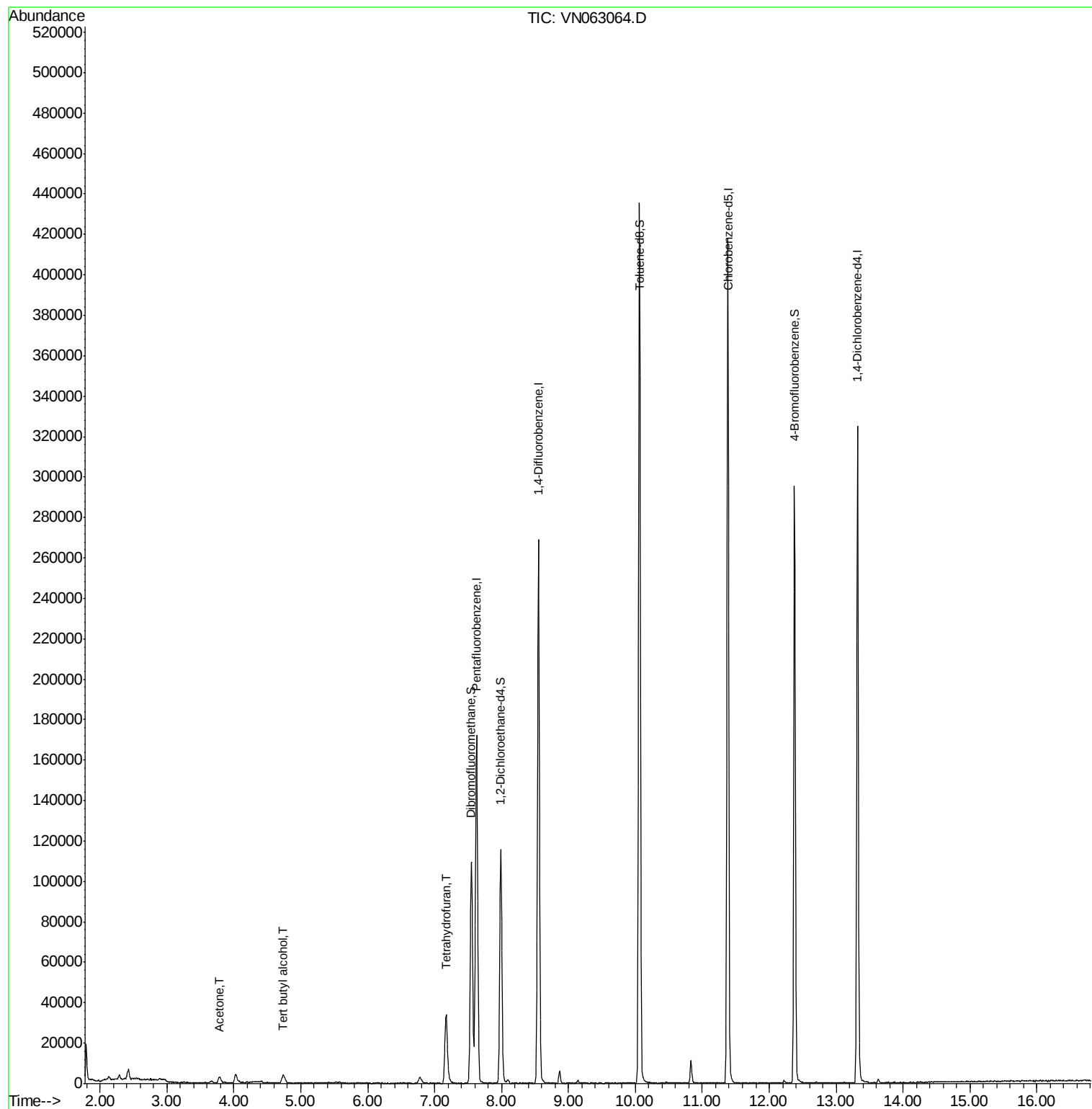
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 147698   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 243001   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 252077   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 91731    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 97839    | 55.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.78% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 85587    | 54.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.10% |          |
| 50) Toluene-d8              | 10.06 | 98   | 311163   | 51.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.32% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 103974   | 48.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.90%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 11) Tert butyl alcohol      | 4.73  | 59   | 7794     | 31.434 | ug/l #  | 93       |
| 16) Acetone                 | 3.79  | 43   | 6001     | 7.184  | ug/l    | 96       |
| 29) Tetrahydrofuran         | 7.17  | 42   | 28369    | 47.298 | ug/l    | 99       |

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

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Acq: 21 Aug 2020 3:41

Instrument :

MSVOA\_N

ClientSampleId :

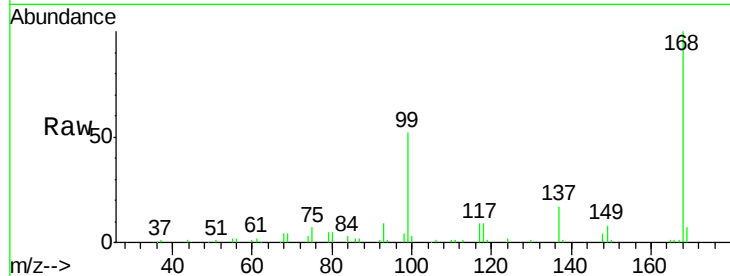
39-OWS-081320

Tot Ion:168 Resp: 147698

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

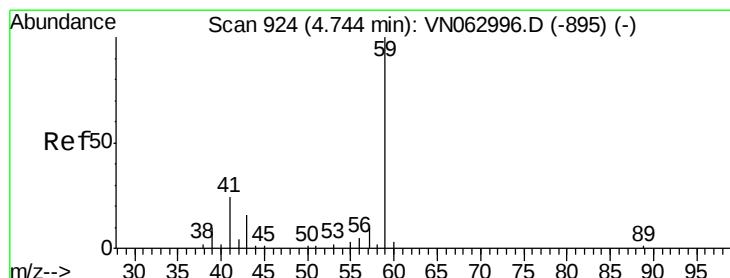
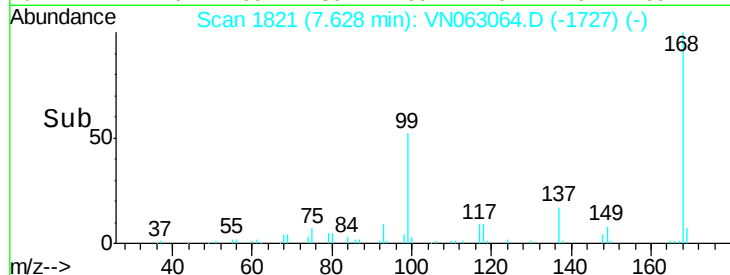
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 31.434 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.01 min

Lab File: VN063064.D

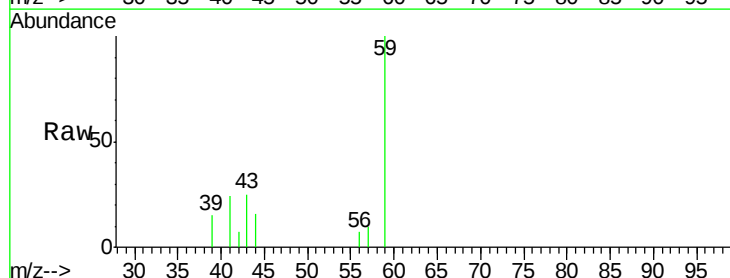
Acq: 21 Aug 2020 3:41

Tgt Ion: 59 Resp: 7794

Ion Ratio Lower Upper

59 100

57 7.1 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

2500

2000

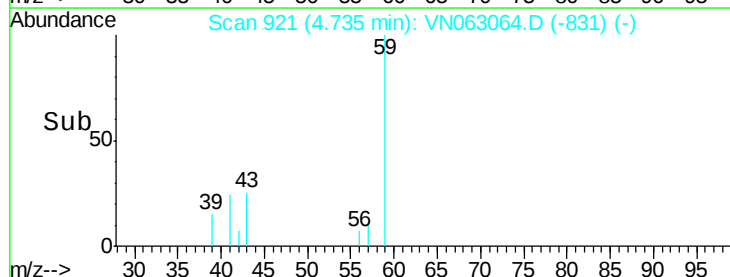
1500

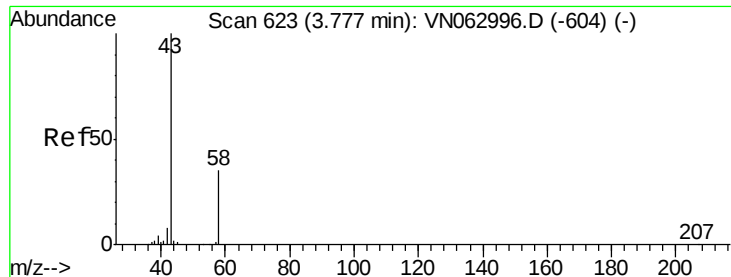
1000

500

0

Time--> 4.65 4.70 4.75 4.80 4.85





#16

Acetone

Concen: 7.184 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063064.D

Acq: 21 Aug 2020 3:41

Instrument :

MSVOA\_N

ClientSampleId :

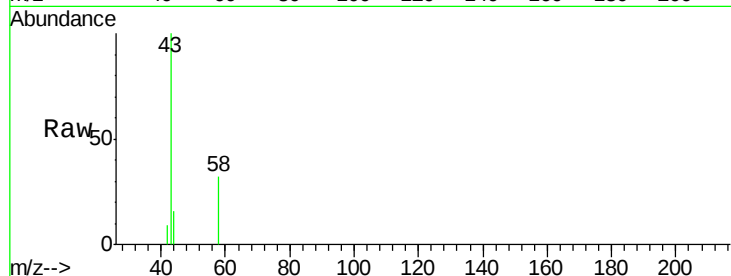
39-OWS-081320

Tot Ion: 43 Resp: 6001

Ion Ratio Lower Upper

43 100

58 32.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-604) (-)

3.79

2500

2000

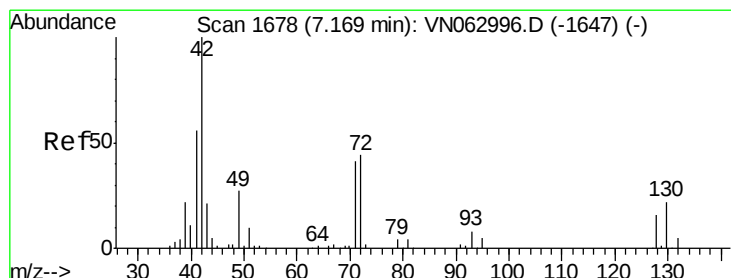
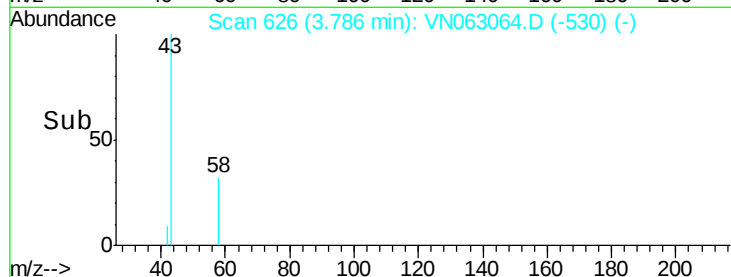
1500

1000

500

0

Time--> 3.70 3.75 3.80 3.85



#29

Tetrahydrofuran

Concen: 47.298 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN063064.D

Acq: 21 Aug 2020 3:41

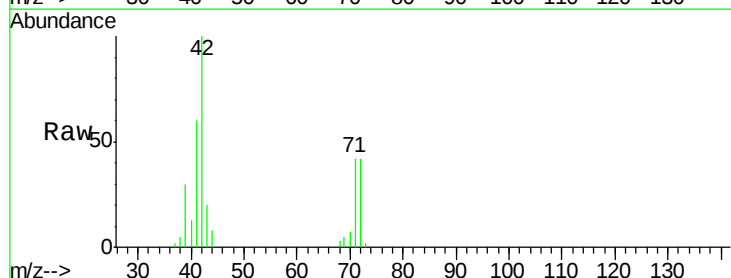
Tgt Ion: 42 Resp: 28369

Ion Ratio Lower Upper

42 100

72 41.9 34.6 52.0

71 40.5 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN062996.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN062996.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN062996.D (-1647) (-)

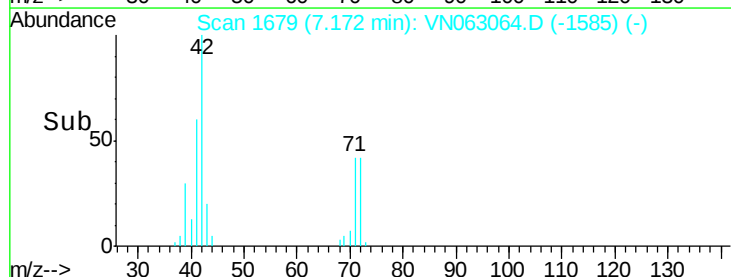
7.17

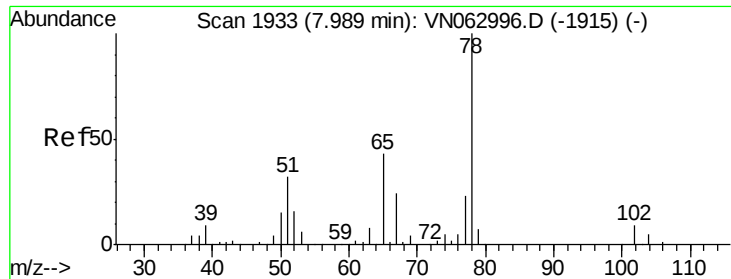
10000

5000

0

Time--> 7.10 7.20 7.30

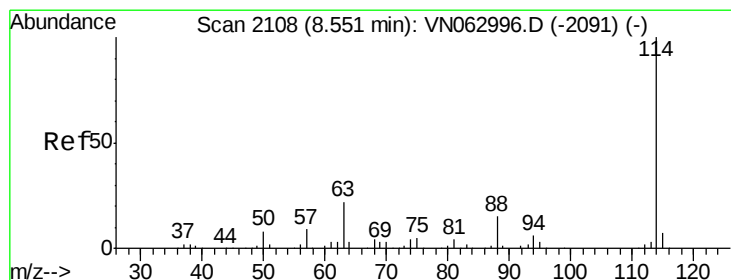
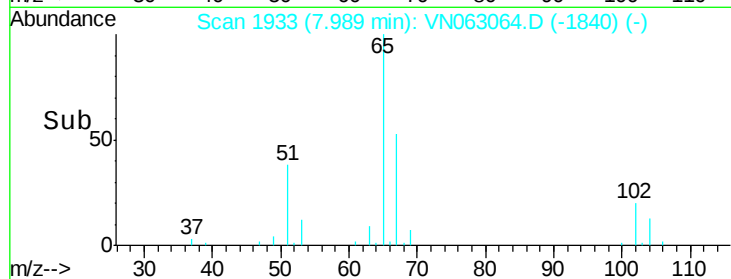
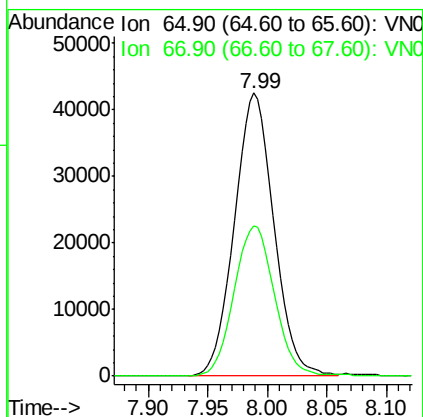
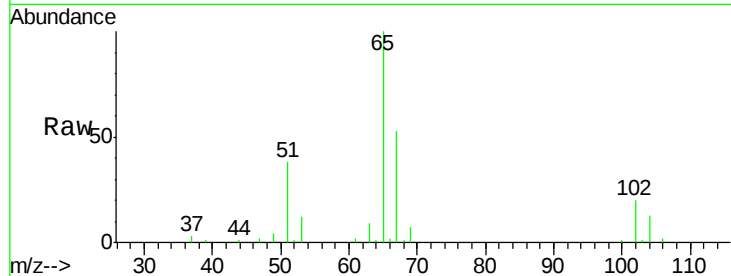




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.892 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN063064.D  
 Acq: 21 Aug 2020 3:41

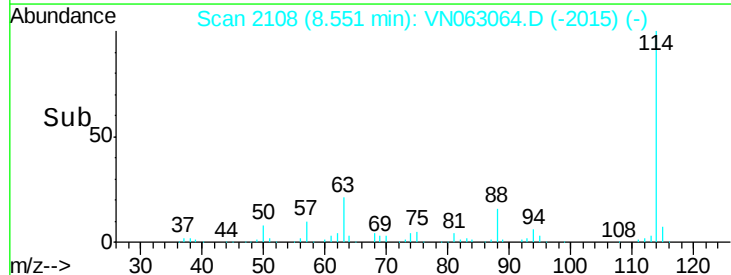
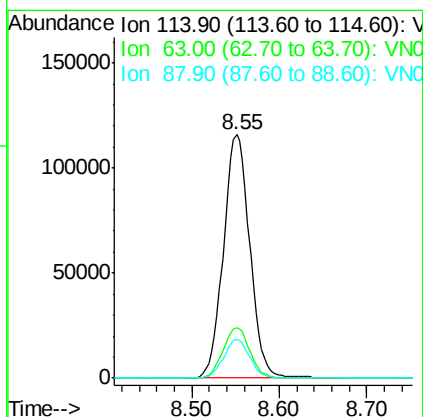
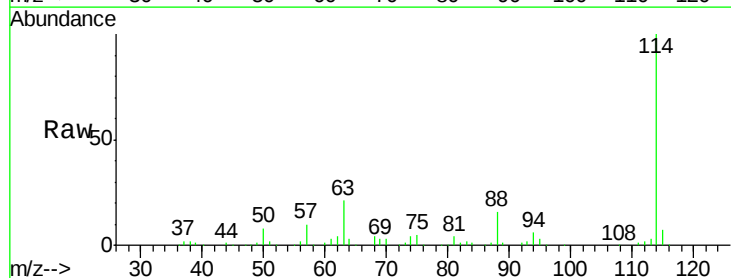
Instrument :  
 MSVOA\_N  
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 39-OWS-081320

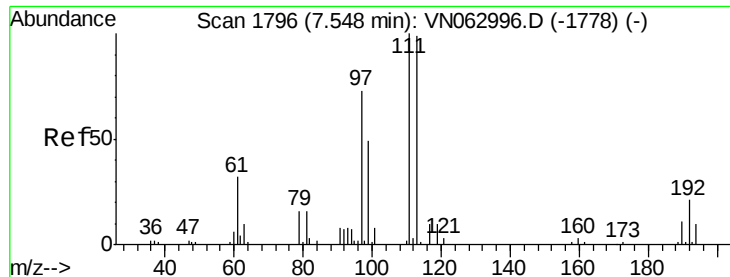
Tot Ion: 65 Resp: 97839  
 Ion Ratio Lower Upper  
 65 100  
 67 54.3 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN063064.D  
 Acq: 21 Aug 2020 3:41

Tgt Ion: 114 Resp: 243001  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 43.2  
 88 15.8 0.0 30.6

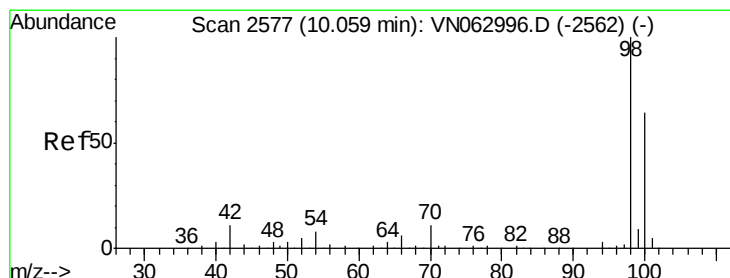
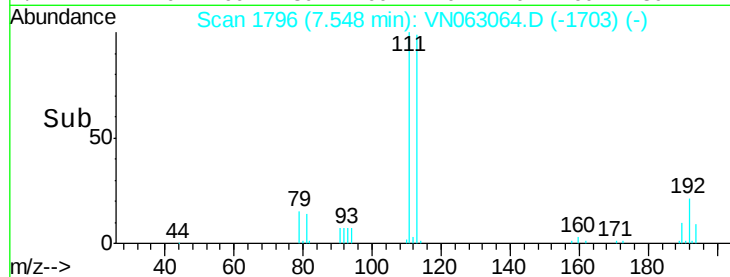
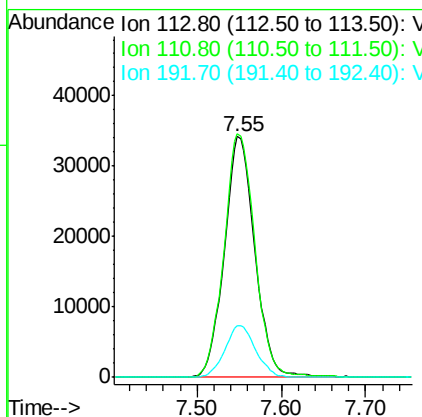
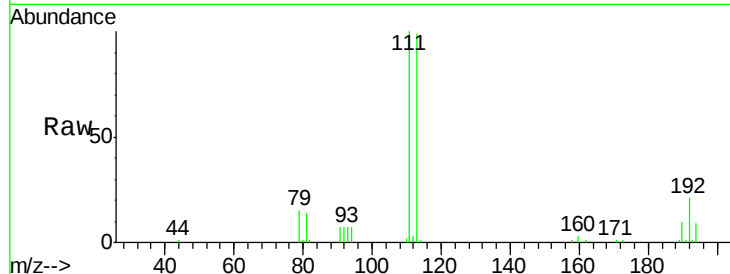




#35  
 Dibromofluoromethane  
 Concen: 54.053 ug/l  
 RT: 7.55 min Scan# 1796  
 Delta R.T. 0.00 min  
 Lab File: VN063064.D  
 Acq: 21 Aug 2020 3:41

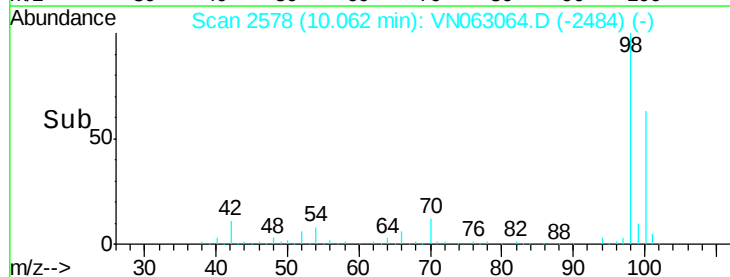
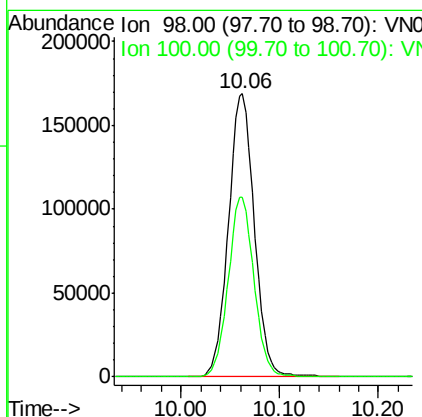
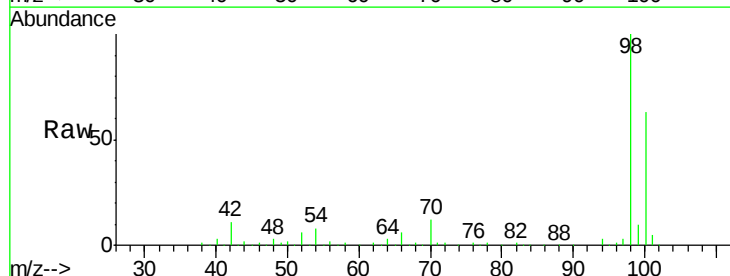
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 39-OWS-081320

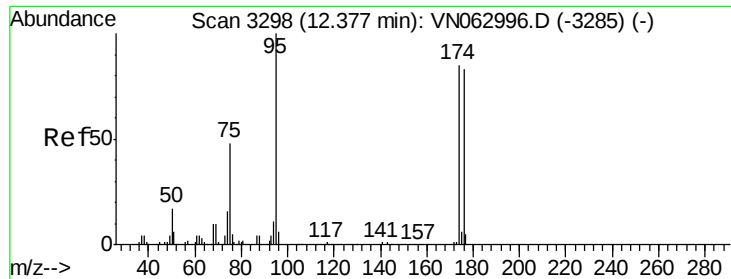
Tot Ion:113 Resp: 85587  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 81.7 122.5  
 192 21.6 17.5 26.3



#50  
 Toluene-d8  
 Concen: 51.162 ug/l  
 RT: 10.06 min Scan# 2578  
 Delta R.T. 0.00 min  
 Lab File: VN063064.D  
 Acq: 21 Aug 2020 3:41

Tgt Ion: 98 Resp: 311163  
 Ion Ratio Lower Upper  
 98 100  
 100 63.2 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 48.446 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063064.D

Acq: 21 Aug 2020 3:41

Instrument :

MSVOA\_N

ClientSampleId :

39-OVS-081320

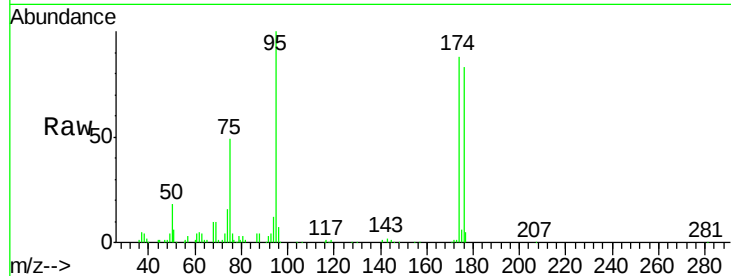
Tot Ion: 95 Resp: 103974

Ion Ratio Lower Upper

95 100

174 87.2 0.0 170.8

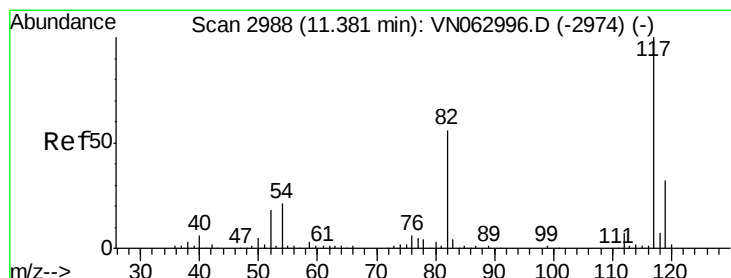
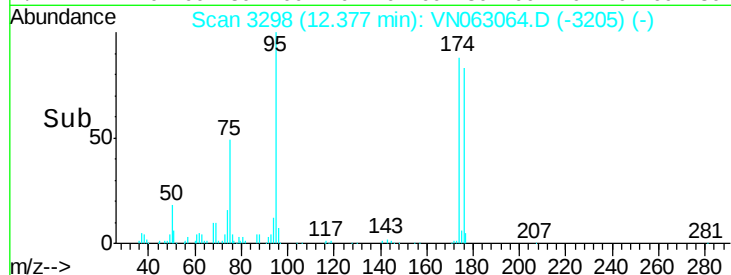
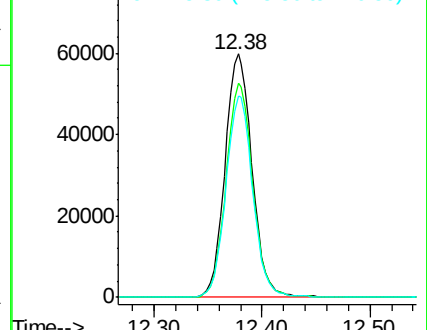
176 82.5 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN063064.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN063064.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN063064.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063064.D

Acq: 21 Aug 2020 3:41

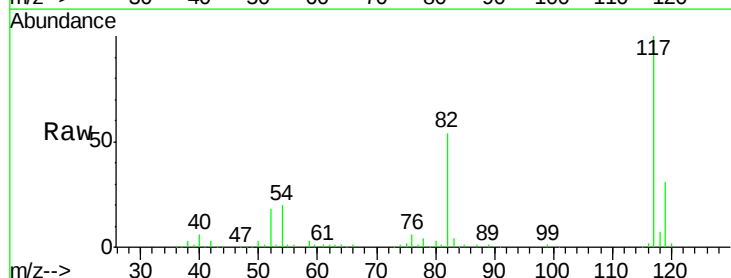
Tgt Ion: 117 Resp: 252077

Ion Ratio Lower Upper

117 100

82 54.2 44.5 66.7

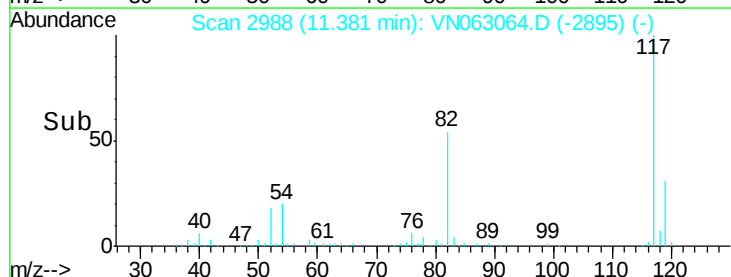
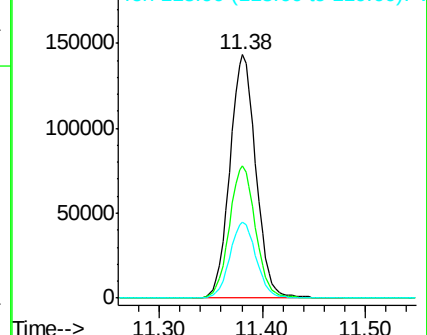
119 31.4 25.5 38.3

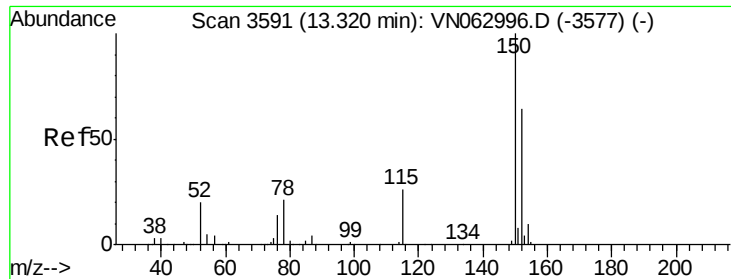


Abundance Ion 116.90 (116.60 to 117.60): VN063064.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN063064.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN063064.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063064.D

Acq: 21 Aug 2020 3:41

Instrument :

MSVOA\_N

ClientSampleId :

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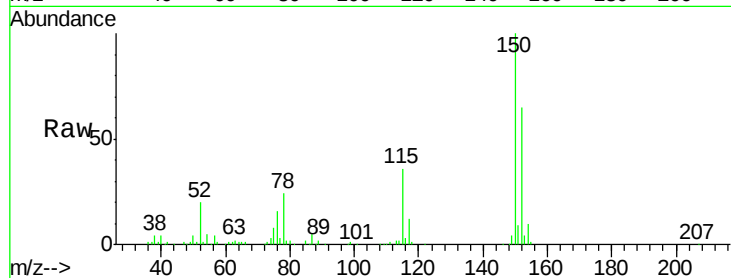
Tot Ion:152 Resp: 91731

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

150 158.1 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

