

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090120\  
 Data File : VN063169.D  
 Acq On : 1 Sep 2020 20:53  
 Operator : JC/MD  
 Sample : L3851-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20058

Quant Time: Sep 02 05:06:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 01 04:21:28 2020  
 Response via : Initial Calibration

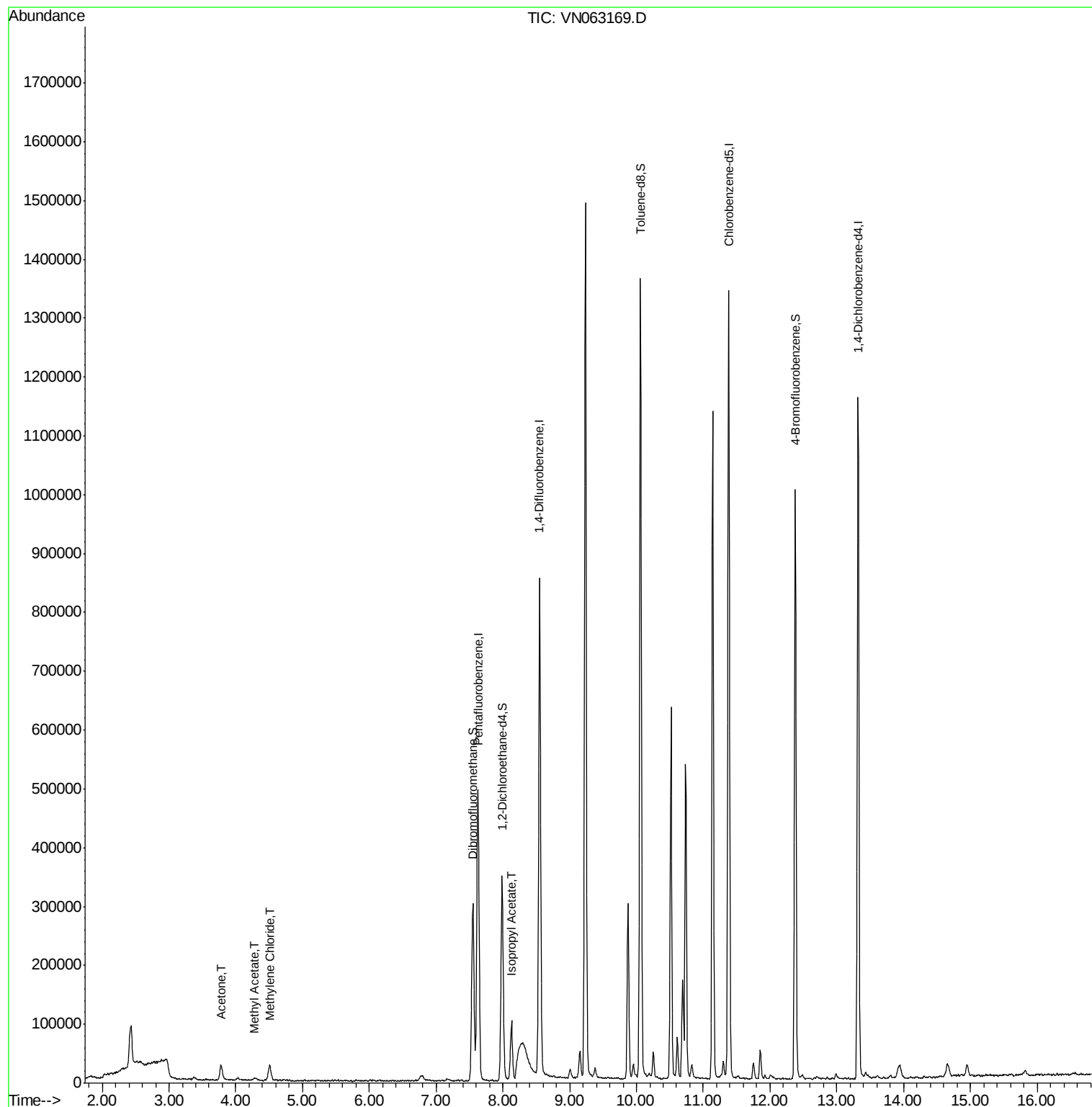
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 367471   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 714666   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 719346   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 291445   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 287036   | 47.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.56%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 222036   | 48.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.86%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 915144   | 51.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.72% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 328891   | 53.28  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.56% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 47536    | 27.837 | ug/l    | 94       |
| 18) Methyl Acetate          | 4.29  | 43   | 7865m    | 1.796  | ug/l    |          |
| 20) Methylene Chloride      | 4.51  | 84   | 17595    | 3.204  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 124504   | 11.112 | ug/l #  | 89       |

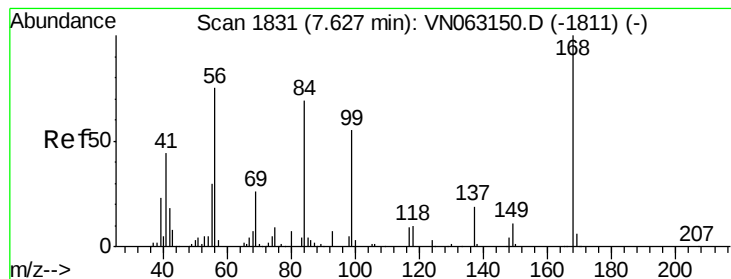
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090120\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N083120W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 01 04:21:28 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

Instrument :

MSVOA\_N

ClientSampled :

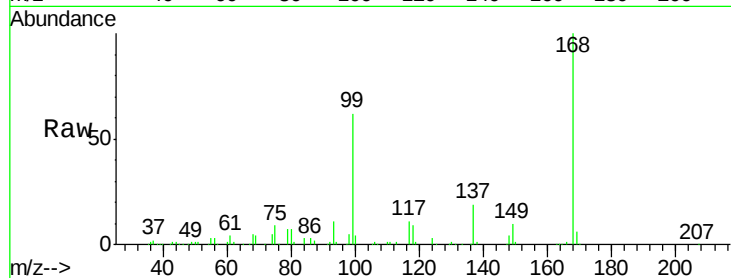
20058

Tot Ion:168 Resp: 367471

Ion Ratio Lower Upper

168 100

99 62.5 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

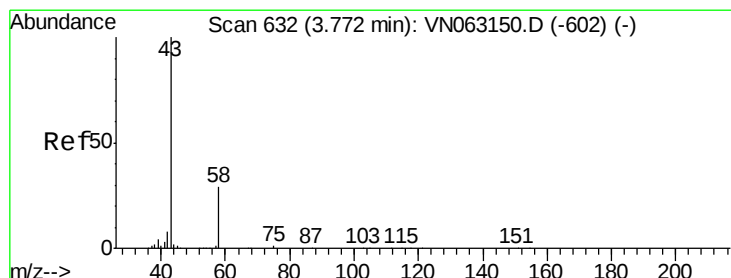
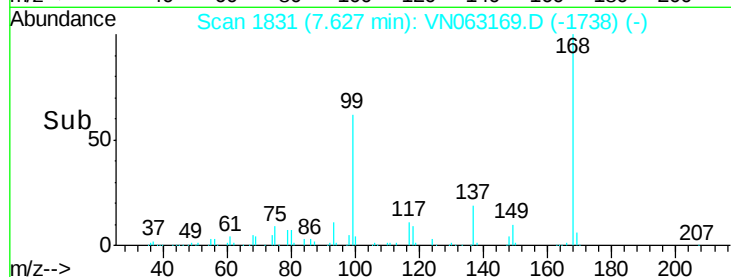
100000

50000

0

Time-->

7.50 7.60 7.70



#16

Acetone

Concen: 27.837 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN063169.D

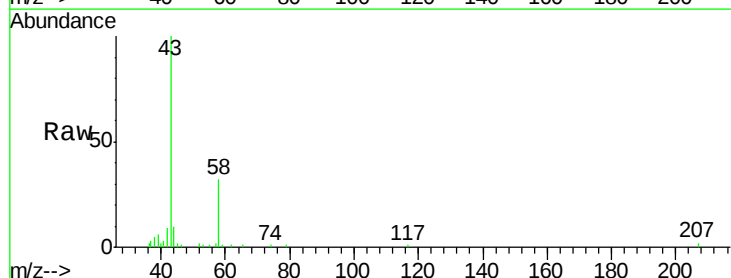
Acq: 1 Sep 2020 20:53

Tgt Ion: 43 Resp: 47536

Ion Ratio Lower Upper

43 100

58 32.1 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

20000

15000

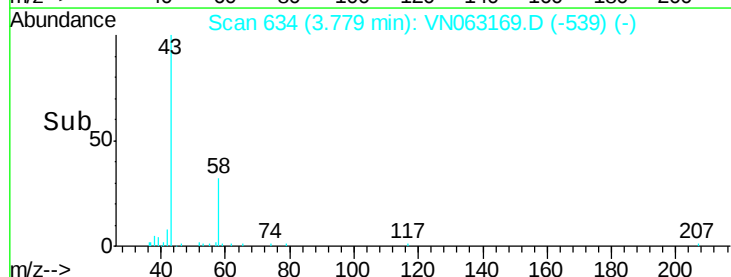
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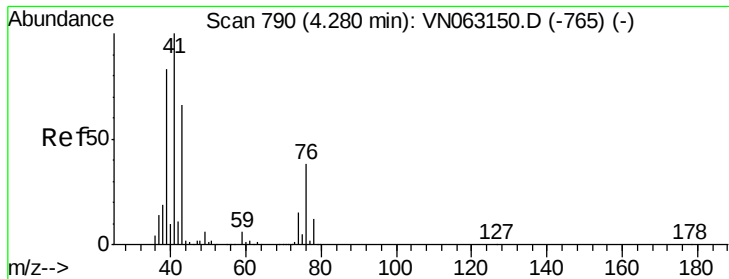
5000

0

Time-->

3.70 3.80 3.90





#18

Methyl Acetate

Concen: 1.796 ug/l m

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

Instrument :

MSVOA\_N

ClientSampleId :

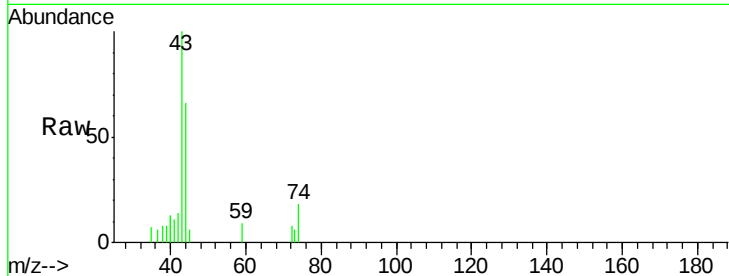
20058

Tot Ion: 43 Resp: 7865

Ion Ratio Lower Upper

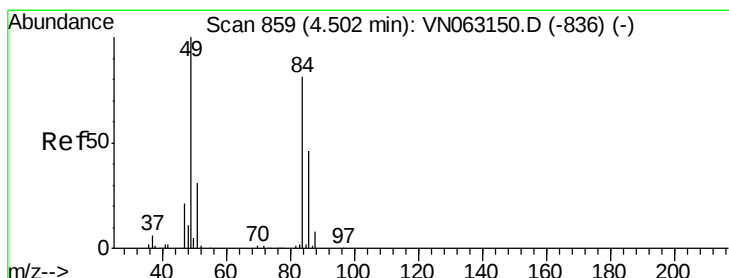
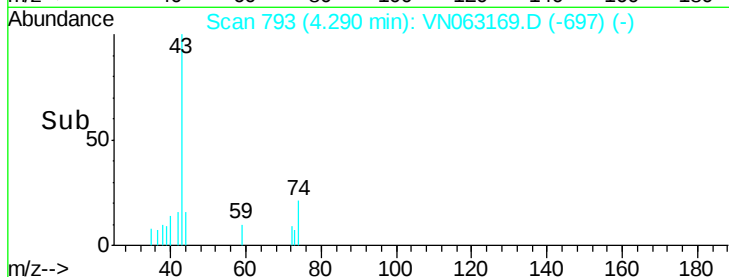
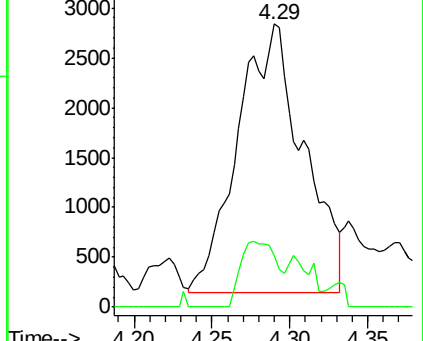
43 100

74 13.6 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-765) (-)

Ion 74.00 (73.70 to 74.70): VN063150.D (-765) (-)



#20

Methylene Chloride

Concen: 3.204 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

Tgt Ion: 84 Resp: 17595

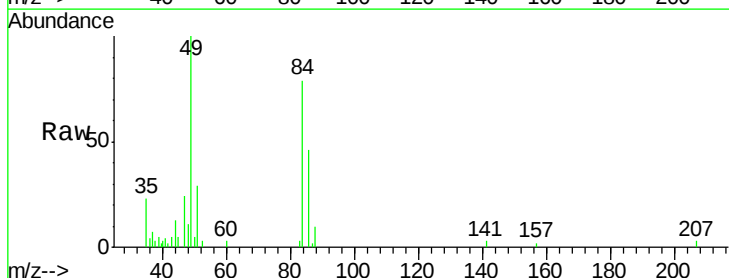
Ion Ratio Lower Upper

84 100

49 126.1 98.4 147.6

51 36.7 30.4 45.6

86 57.6 45.7 68.5

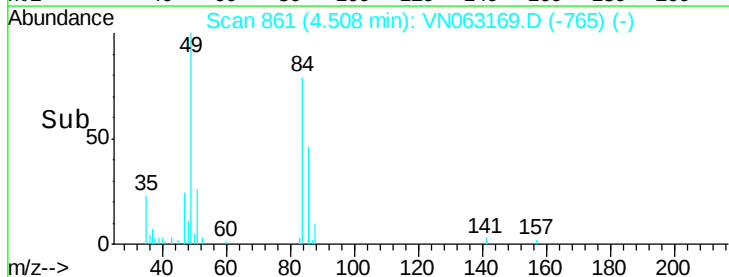
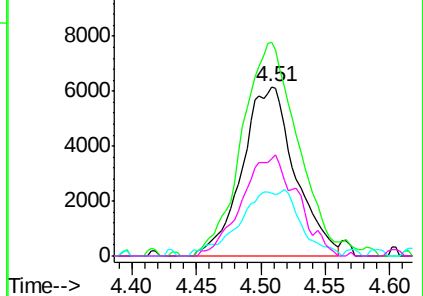


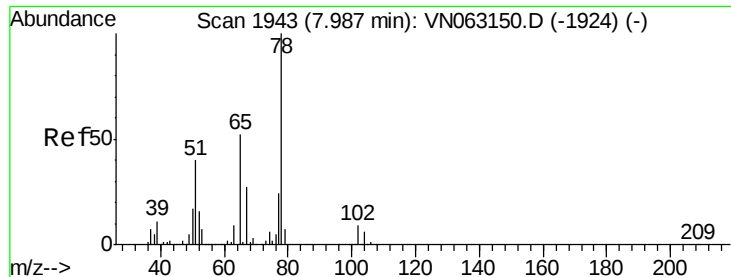
Abundance Ion 83.90 (83.60 to 84.60): VN063150.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063150.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063150.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN063150.D (-836) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.783 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

Instrument :

MSVOA\_N

ClientSampled :

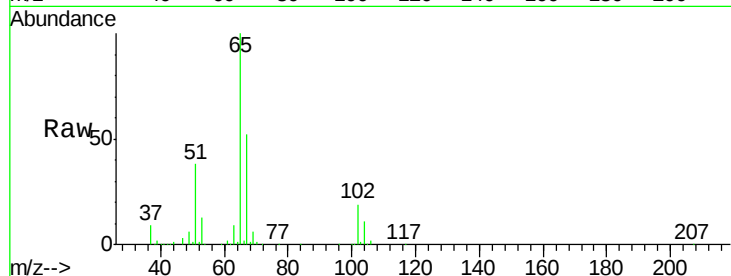
20058

Tot Ion: 65 Resp: 287036

Ion Ratio Lower Upper

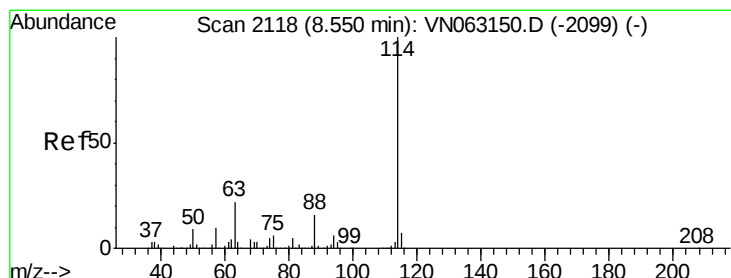
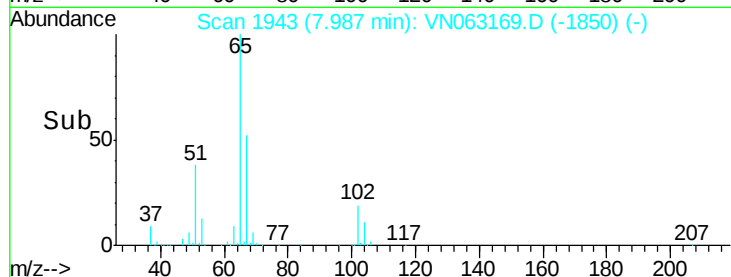
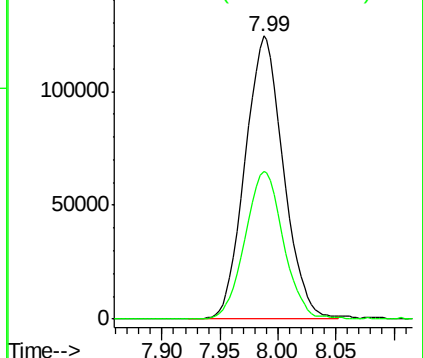
65 100

67 52.3 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

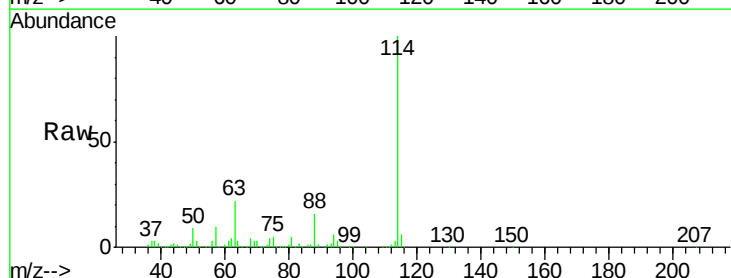
Tgt Ion: 114 Resp: 714666

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.0

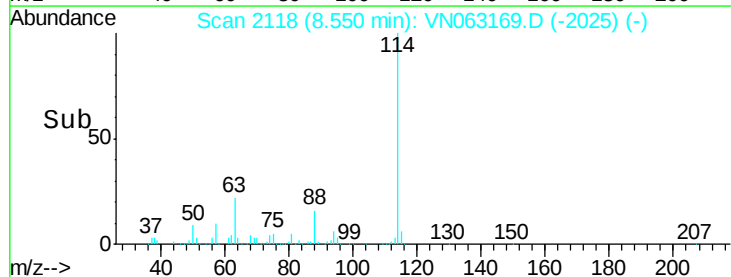
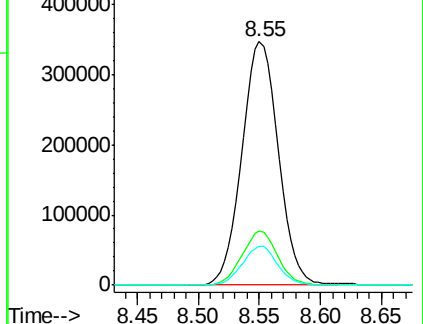
88 16.0 0.0 31.6

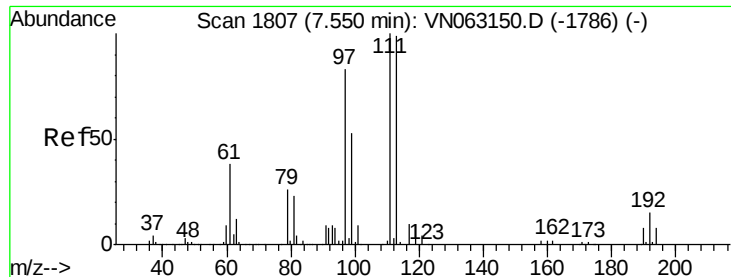


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

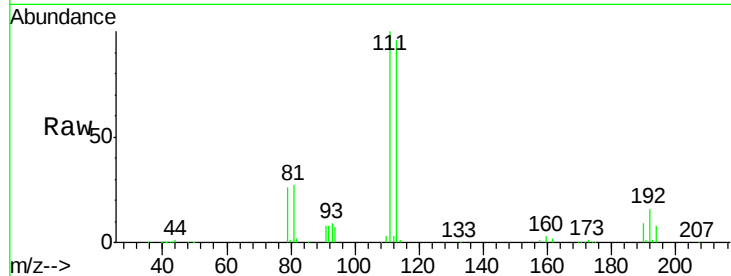




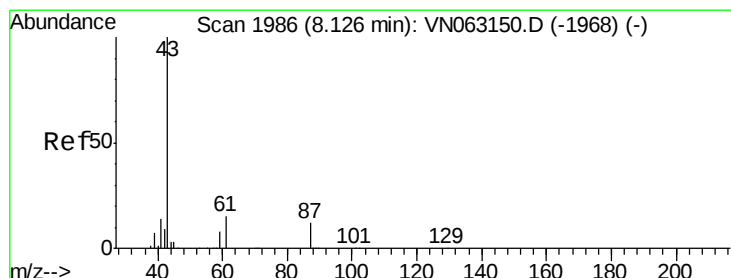
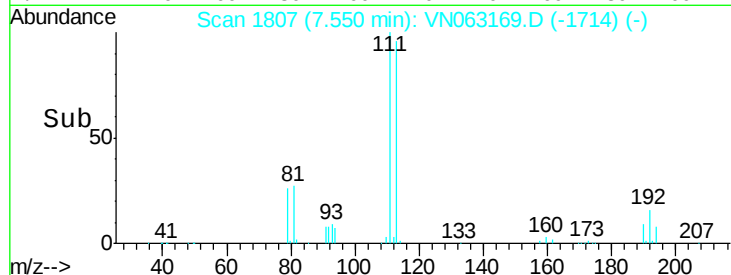
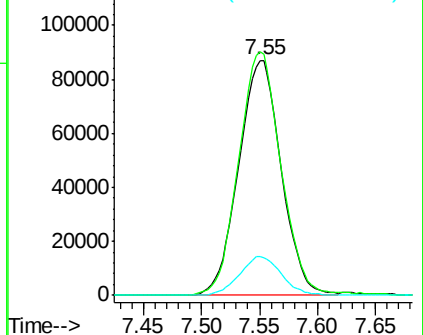
#35  
 Dibromofluoromethane  
 Concen: 48.427 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063169.D  
 Acq: 1 Sep 2020 20:53

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 20058

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 80.7  | 121.1 |
| 192     | 16.3  | 12.6  | 19.0  |

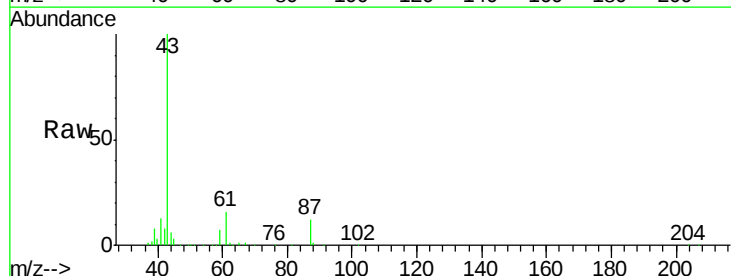


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

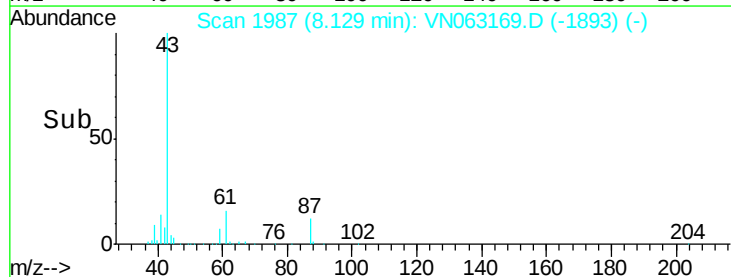
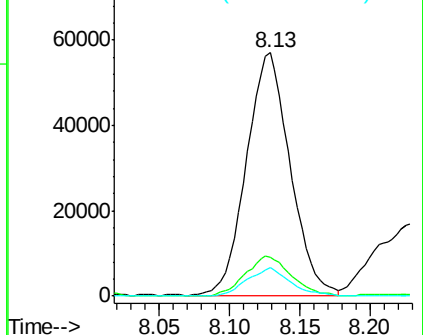


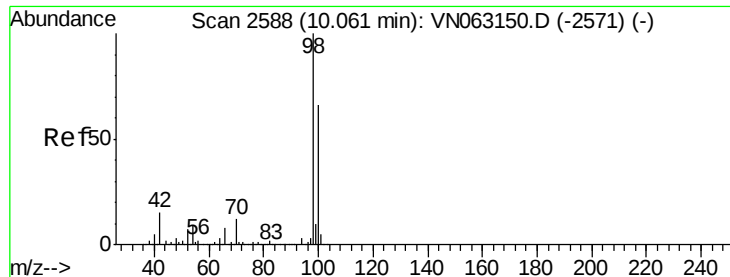
#43  
 Isopropyl Acetate  
 Concen: 11.112 ug/l  
 RT: 8.13 min Scan# 1987  
 Delta R.T. 0.00 min  
 Lab File: VN063169.D  
 Acq: 1 Sep 2020 20:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.2  | 20.2  | 30.4# |
| 87      | 11.5  | 9.8   | 14.6  |



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.857 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

Instrument :

MSVOA\_N

ClientSampled :

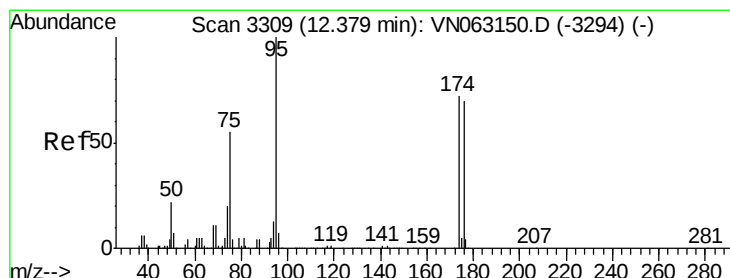
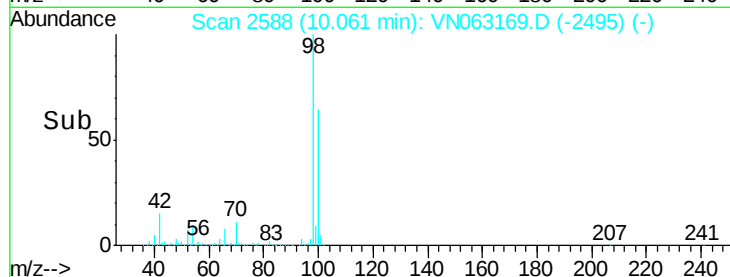
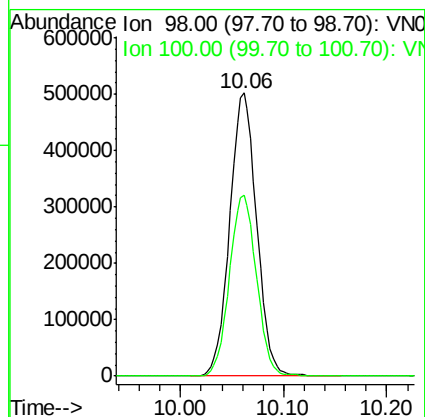
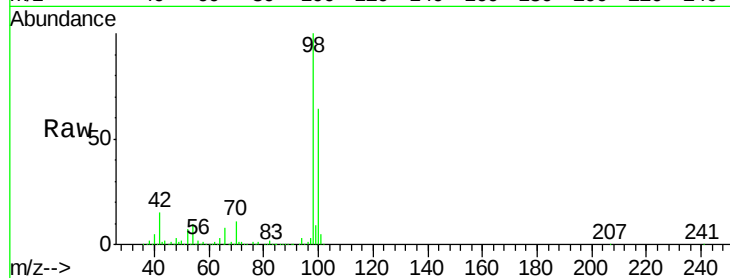
20058

Tot Ion: 98 Resp: 915144

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.277 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063169.D

Acq: 1 Sep 2020 20:53

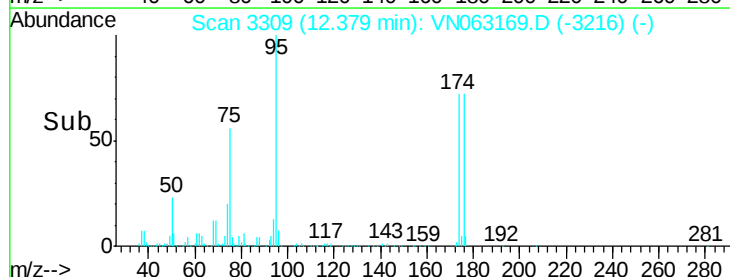
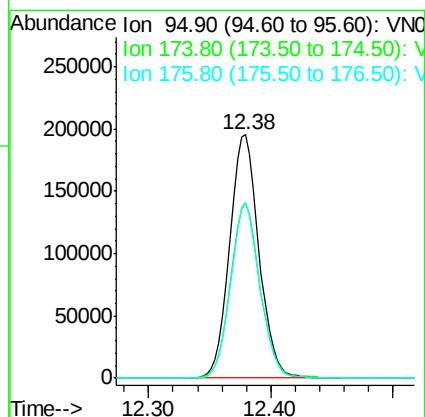
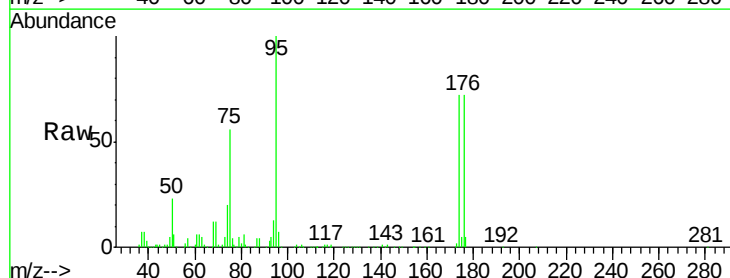
Tgt Ion: 95 Resp: 328891

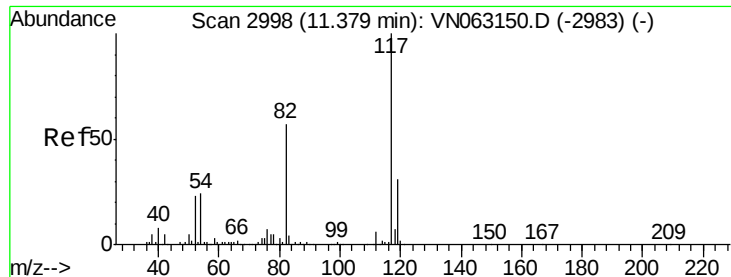
Ion Ratio Lower Upper

95 100

174 72.5 0.0 143.8

176 71.3 0.0 138.4

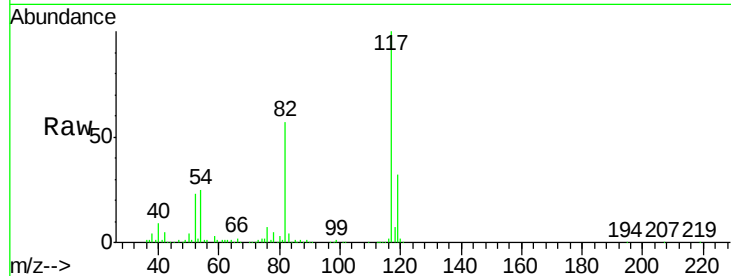




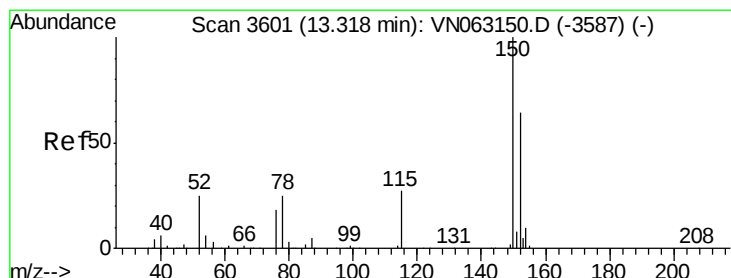
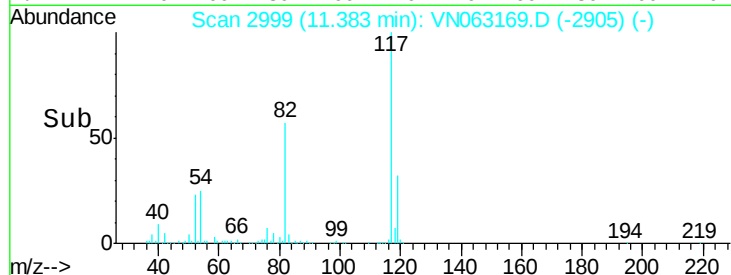
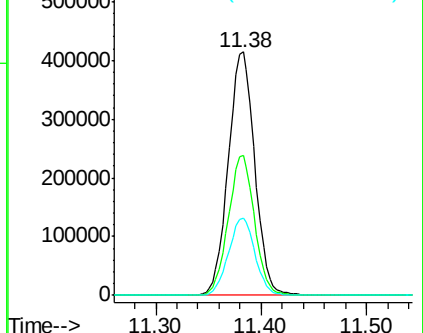
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2999  
Delta R.T. 0.00 min  
Lab File: VN063169.D  
Acq: 1 Sep 2020 20:53

Instrument :  
MSVOA\_N  
ClientSampled :  
20058

Tot Ion:117 Resp: 719346  
Ion Ratio Lower Upper  
117 100  
82 57.4 45.4 68.0  
119 31.9 24.6 37.0

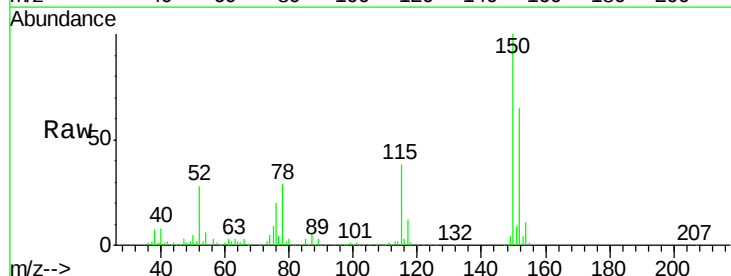


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3602  
Delta R.T. 0.00 min  
Lab File: VN063169.D  
Acq: 1 Sep 2020 20:53

Tgt Ion:152 Resp: 291445  
Ion Ratio Lower Upper  
152 100  
115 60.4 32.0 96.2  
150 154.9 0.0 353.0



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

