

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\  
 Data File : VN063413.D  
 Acq On : 17 Sep 2020 12:50  
 Operator : JC/MD  
 Sample : L4050-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 200916001-02-TRIP-BLANK

Quant Time: Sep 18 03:12:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

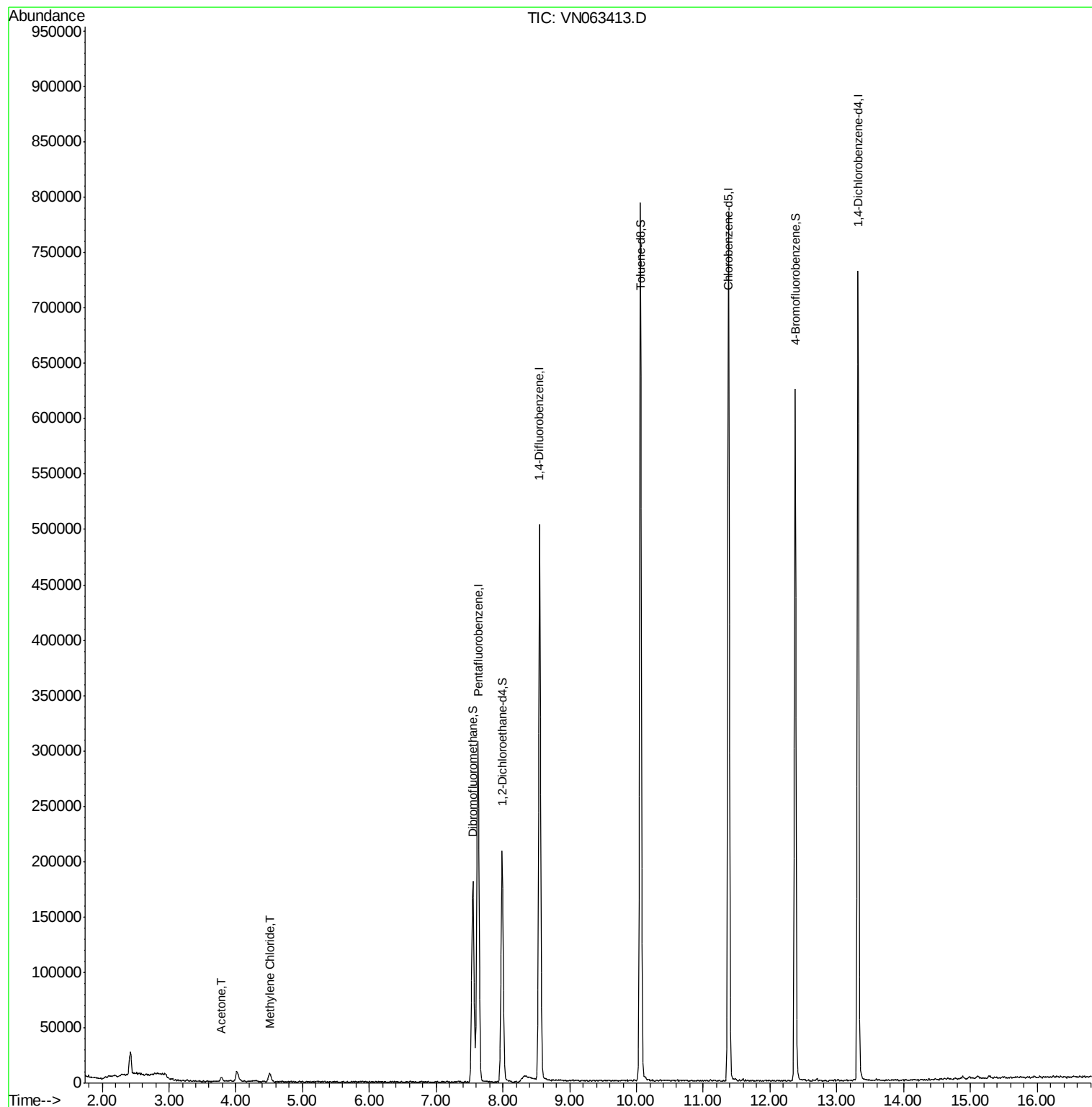
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 222613   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 414365   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 401508   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 178685   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 182293   | 48.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.22%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 132674   | 46.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.50%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 528706   | 49.02 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.04%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 209421   | 52.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.92% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 6276     | 5.153 | ug/l #  | 83       |
| 20) Methylene Chloride      | 4.51  | 84   | 4848     | 1.571 | ug/l #  | 89       |

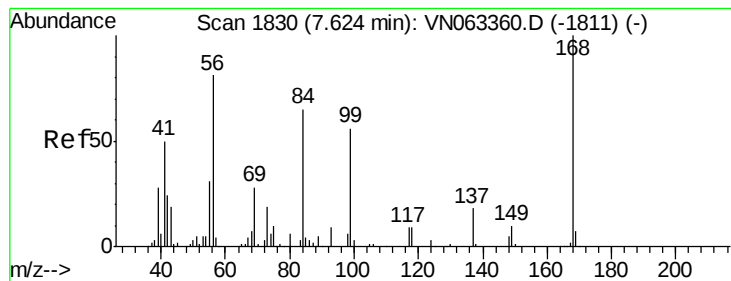
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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200916001-02-TRIP-BLANK

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 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: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA\_N

ClientSampleId :

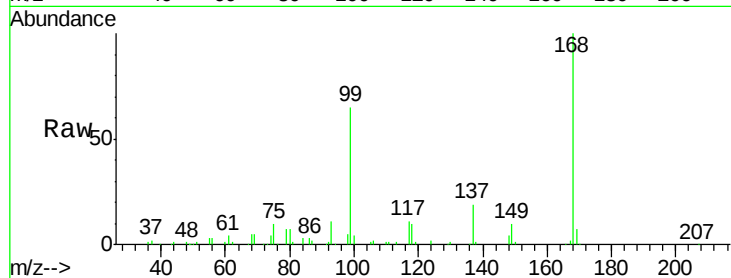
200916001-02-TRIP-BLANK

Tot Ion:168 Resp: 222613

Ion Ratio Lower Upper

168 100

99 64.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

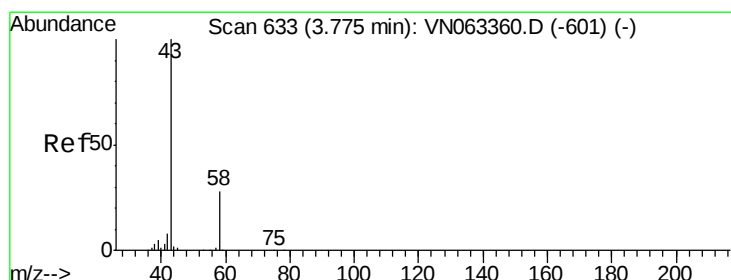
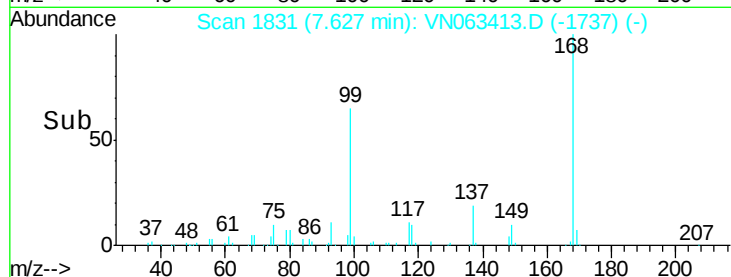
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 5.153 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063413.D

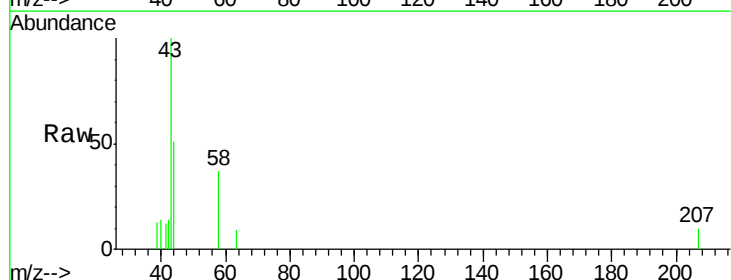
Acq: 17 Sep 2020 12:50

Tgt Ion: 43 Resp: 6276

Ion Ratio Lower Upper

43 100

58 36.9 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

2000

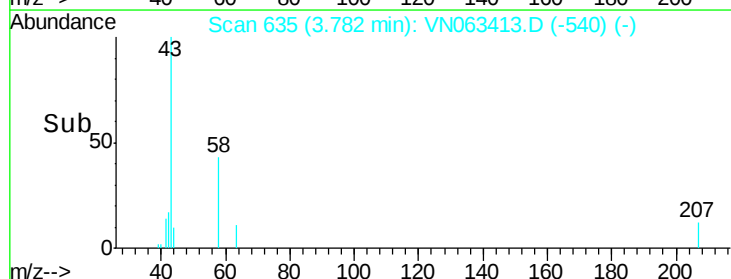
1500

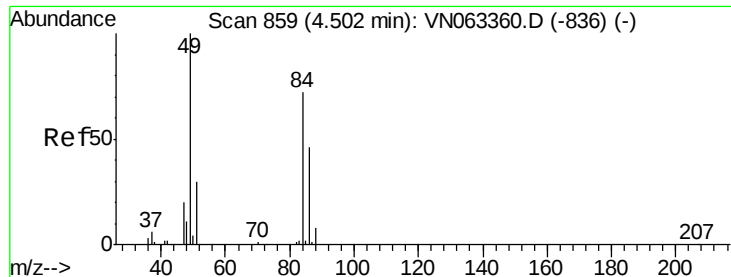
1000

500

0

Time--> 3.70 3.75 3.80 3.85

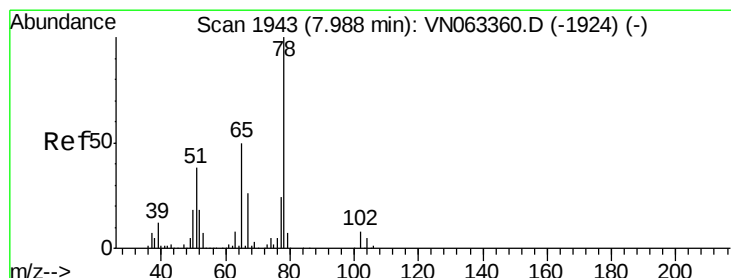
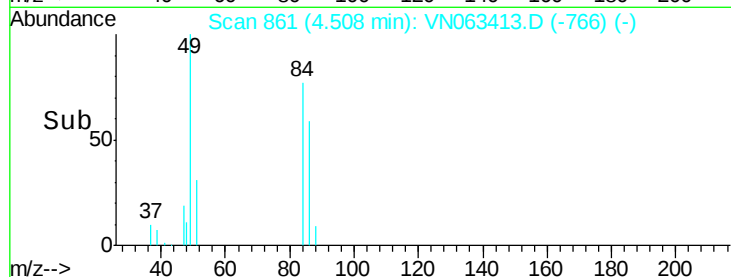
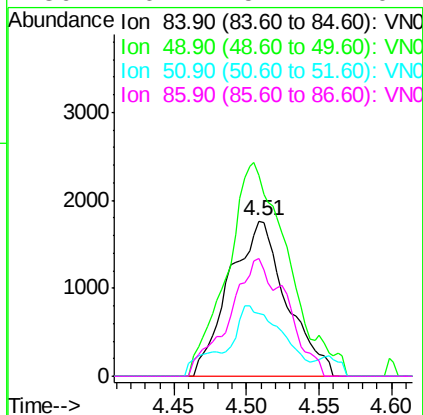
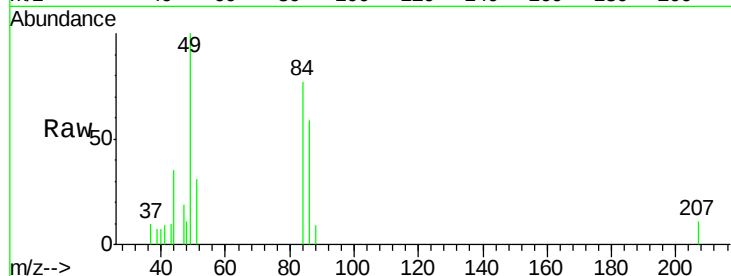




#20  
Methvlene Chloride  
Concen: 1.571 ug/l  
RT: 4.51 min Scan# 861  
Delta R.T. 0.01 min  
Lab File: VN063413.D  
Acq: 17 Sep 2020 12:50

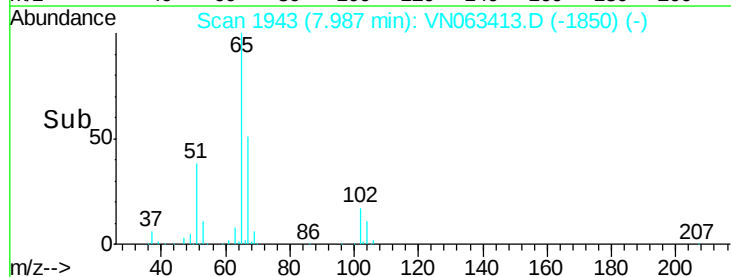
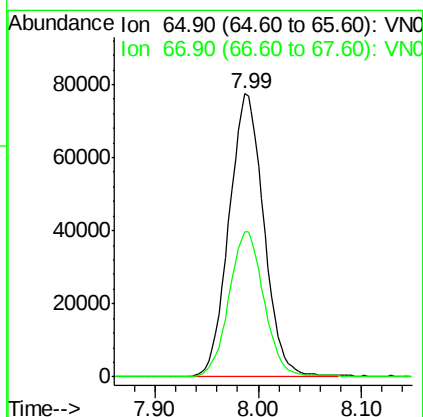
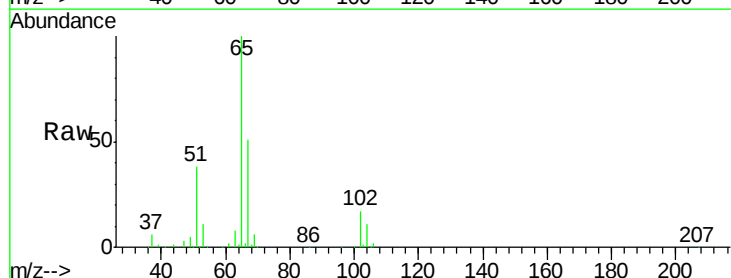
Instrument :  
MSVOA\_N  
ClientSampleId :  
200916001-02-TRIP-BLANK

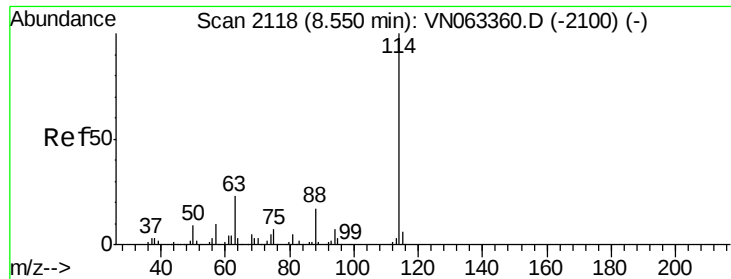
Tot Ion: 84 Resp: 4848  
Ion Ratio Lower Upper  
84 100  
49 129.8 110.7 166.1  
51 31.6 32.9 49.3#  
86 76.2 51.1 76.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.105 ug/l  
RT: 7.99 min Scan# 1943  
Delta R.T. -0.00 min  
Lab File: VN063413.D  
Acq: 17 Sep 2020 12:50

Tgt Ion: 65 Resp: 182293  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.2

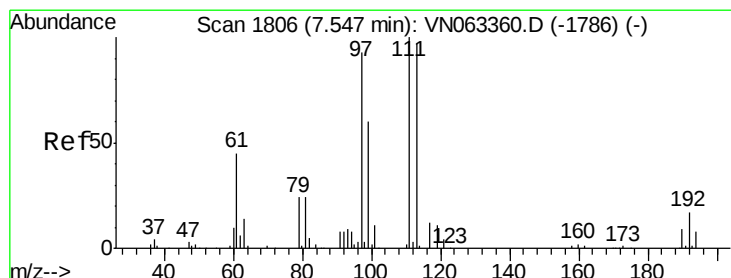
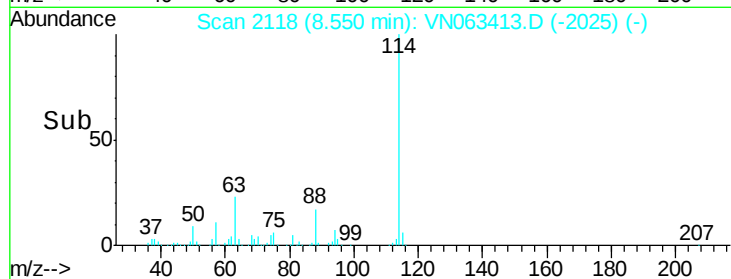
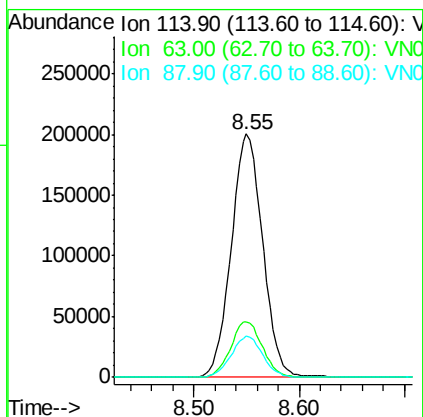
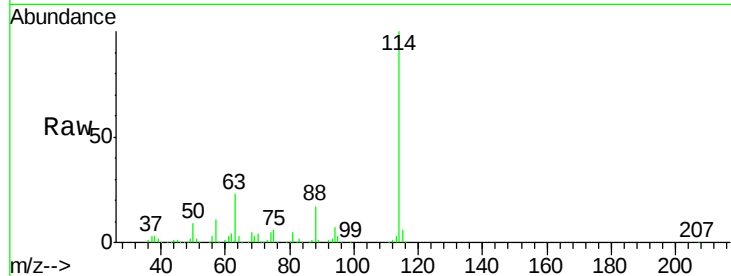




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063413.D  
 Acq: 17 Sep 2020 12:50

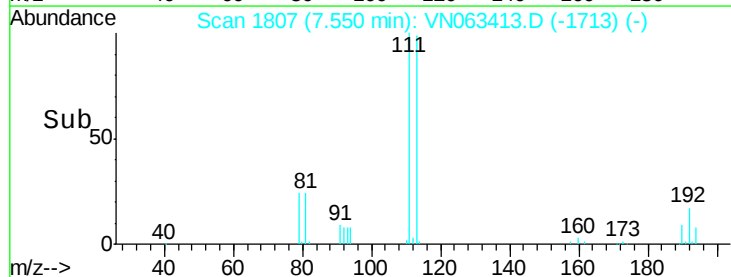
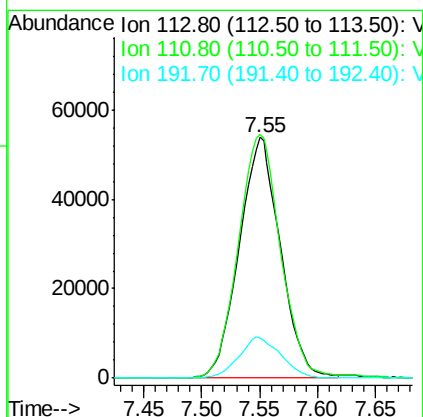
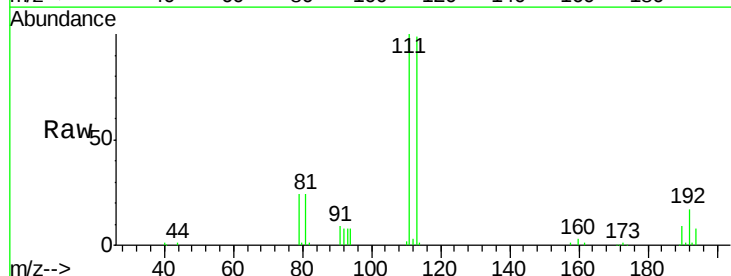
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 200916001-02-TRIP-BLANK

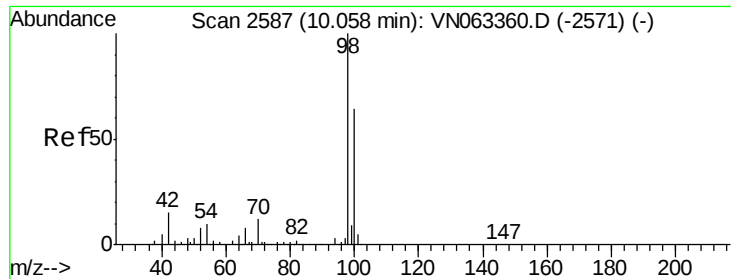
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.0  | 0.0   | 46.4  |
| 88      | 16.8  | 0.0   | 33.2  |



#35  
 Dibromofluoromethane  
 Concen: 46.251 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063413.D  
 Acq: 17 Sep 2020 12:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.8 | 82.9  | 124.3 |
| 192     | 17.2  | 13.9  | 20.9  |





#50

Toluene-d8

Concen: 49.016 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

Instrument :

MSVOA\_N

ClientSampleId :

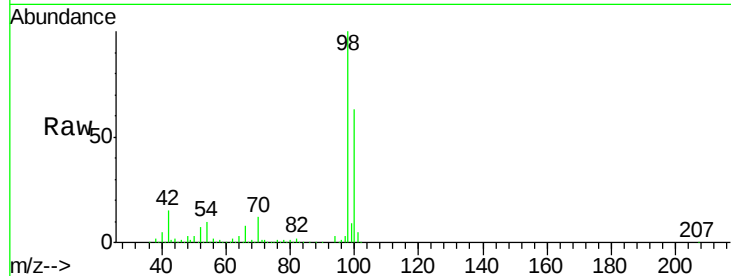
200916001-02-TRIP-BLANK

Tot Ion: 98 Resp: 528706

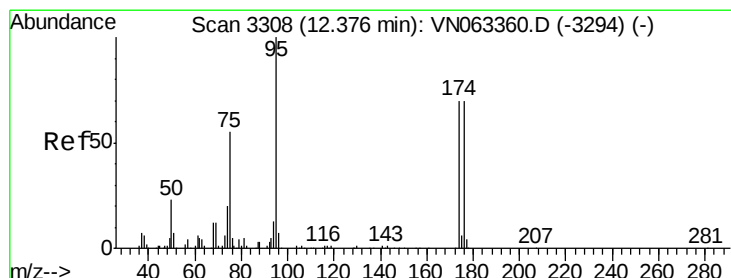
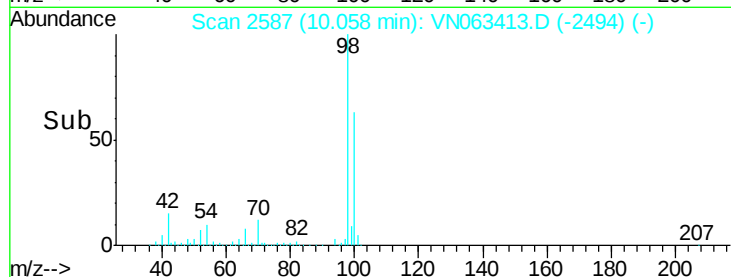
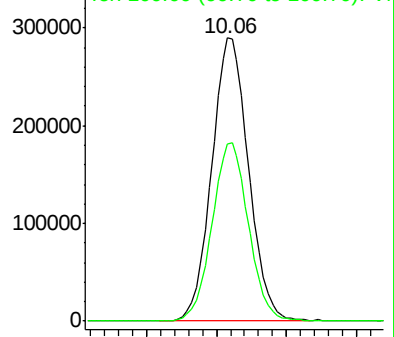
Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 52.963 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063413.D

Acq: 17 Sep 2020 12:50

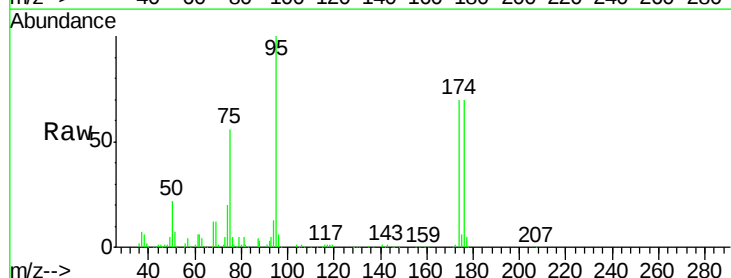
Tgt Ion: 95 Resp: 209421

Ion Ratio Lower Upper

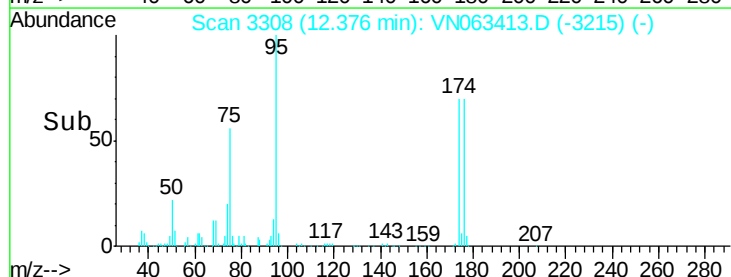
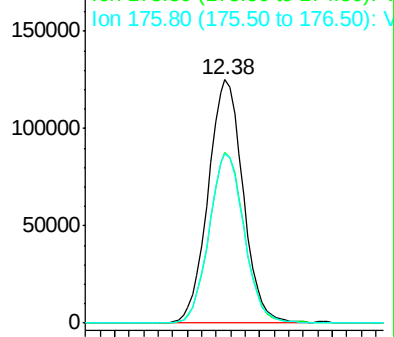
95 100

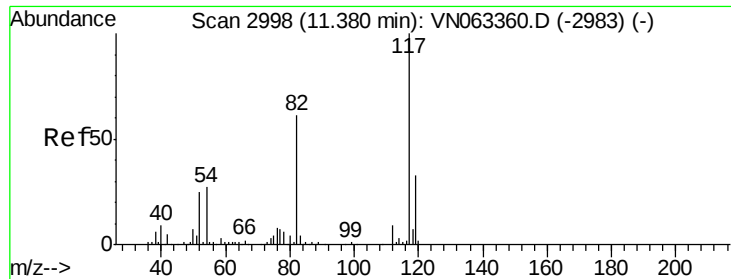
174 70.4 0.0 140.8

176 69.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

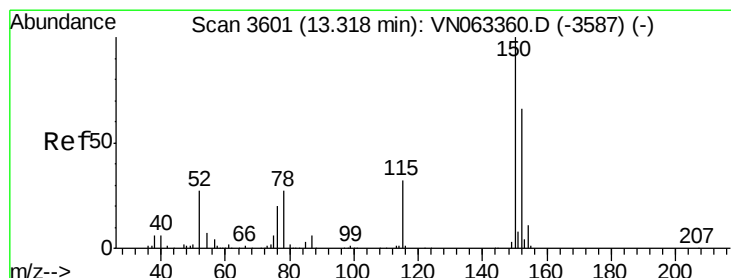
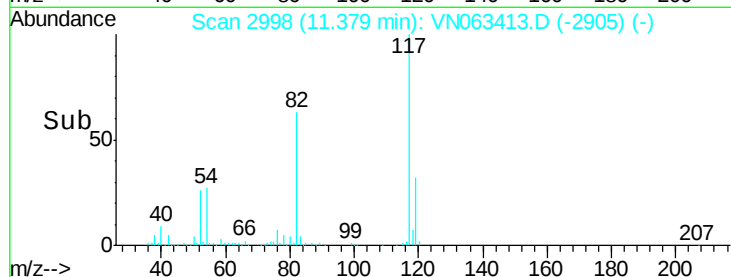
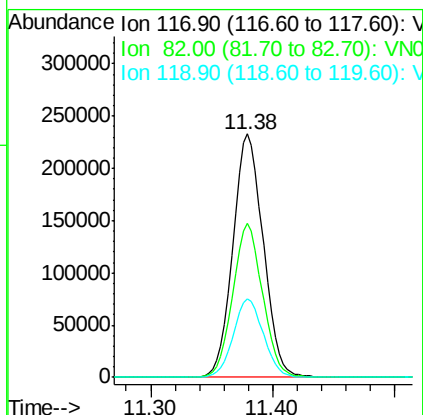
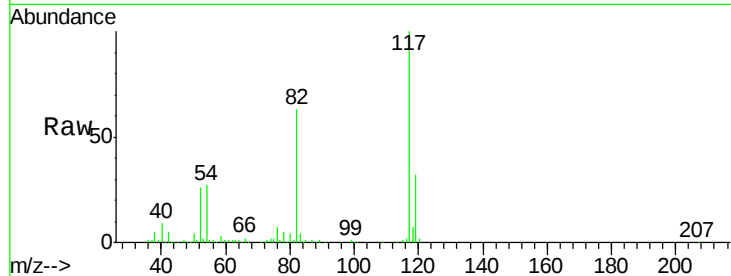




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063413.D  
Acq: 17 Sep 2020 12:50

Instrument :  
MSVOA\_N  
ClientSampleId :  
200916001-02-TRIP-BLANK

Tot Ion:117 Resp: 401508  
Ion Ratio Lower Upper  
117 100  
82 63.1 49.2 73.8  
119 32.1 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063413.D  
Acq: 17 Sep 2020 12:50

Tgt Ion:152 Resp: 178685  
Ion Ratio Lower Upper  
152 100  
115 62.4 32.2 96.6  
150 157.0 0.0 343.4

