

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100120\  
 Data File : VN063794.D  
 Acq On : 2 Oct 2020 1:20  
 Operator : JC/MD  
 Sample : L4236-07  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Oct 02 04:35:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 01 01:46:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 202597   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 368055   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 371645   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 149905   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 172763   | 51.62 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.24% |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 123854   | 48.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.00%  |      |
| 50) Toluene-d8              | 10.06  | 98  | 465400   | 48.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.14%  |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 182941   | 50.27 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.54% |      |

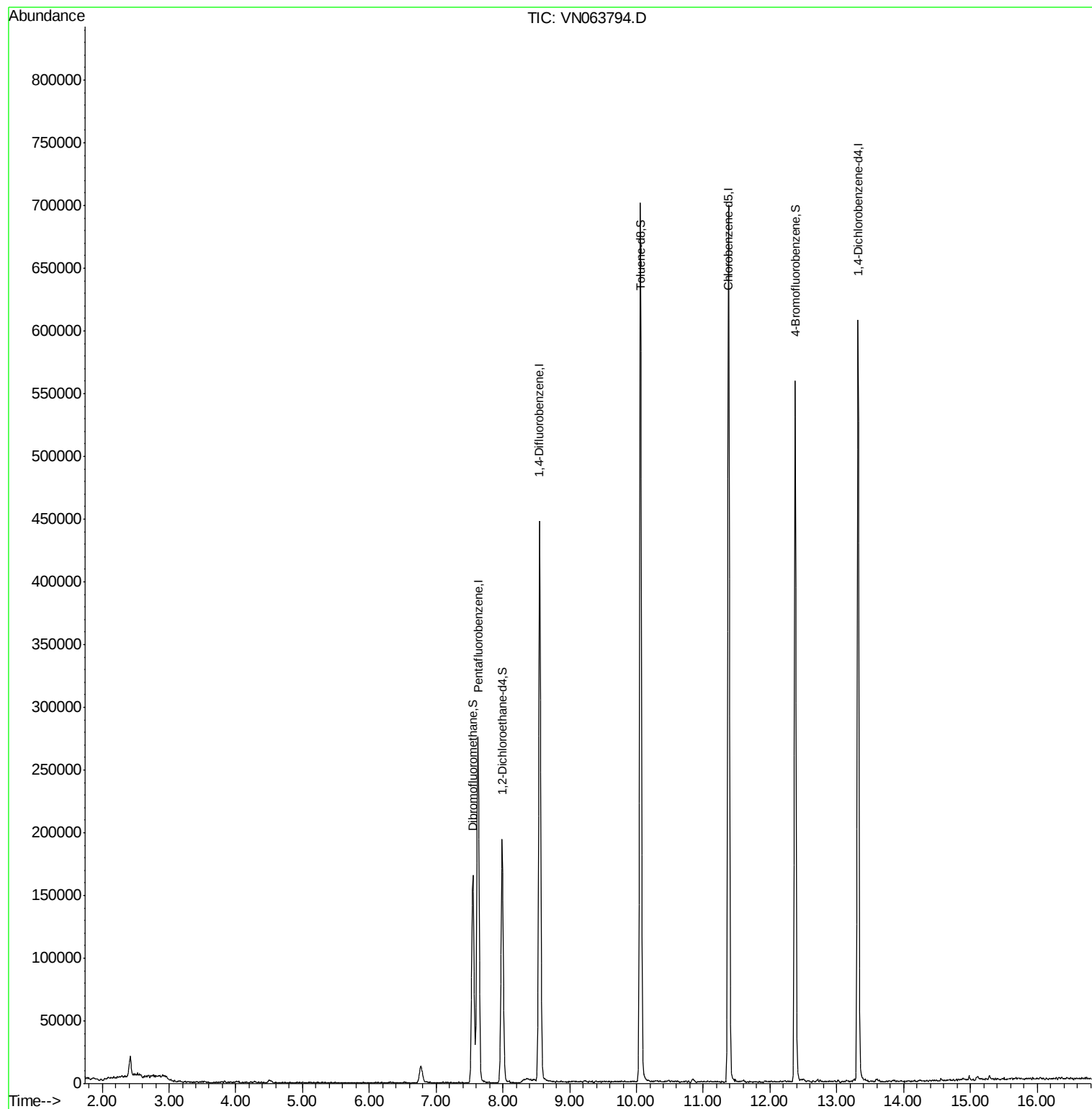
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N093020W.M  
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QLast Update : Thu Oct 01 01:46:38 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: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA\_N

ClientSampleId :

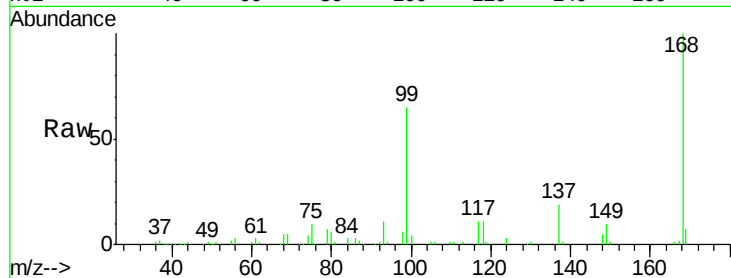
TRIP-BLANK

Tot Ion:168 Resp: 202597

Ion Ratio Lower Upper

168 100

99 65.4 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

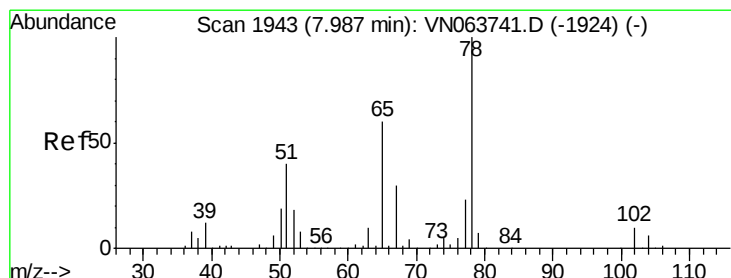
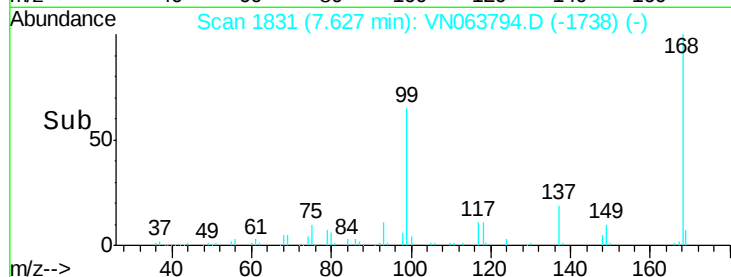
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 51.617 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063794.D

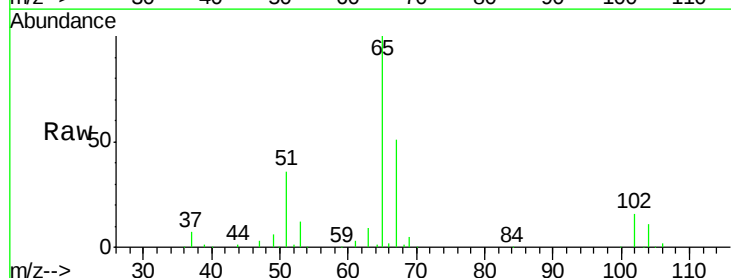
Acq: 2 Oct 2020 1:20

Tgt Ion: 65 Resp: 172763

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

7.99

80000

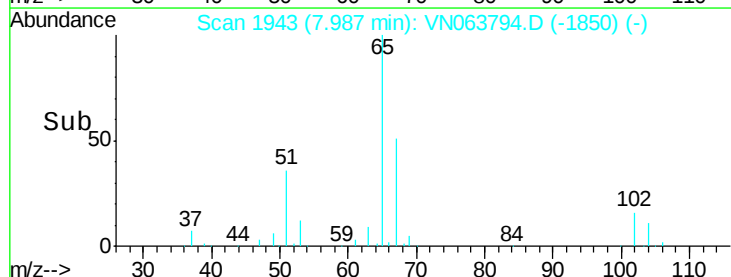
60000

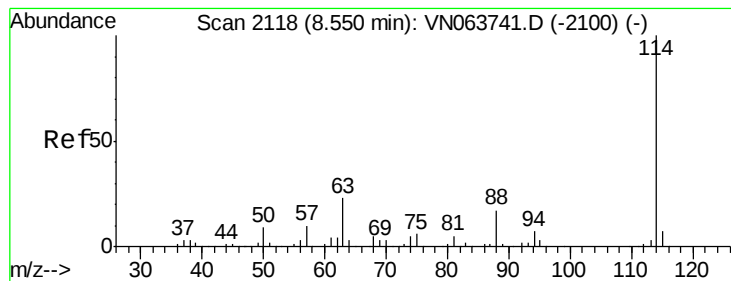
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

Instrument :

MSVOA\_N

ClientSampleId :

TRIP-BLANK

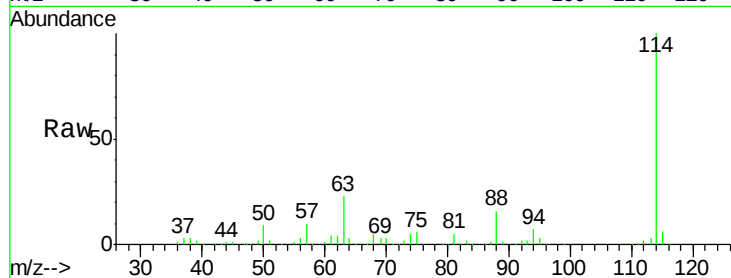
Tot Ion:114 Resp: 368055

Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

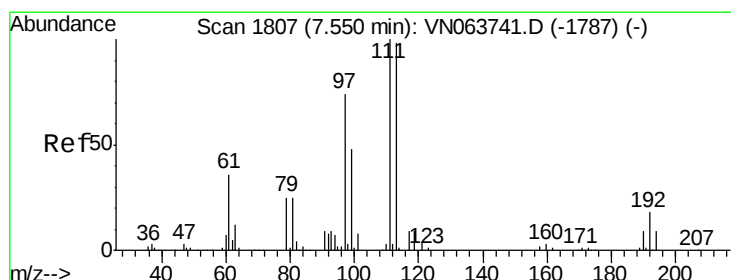
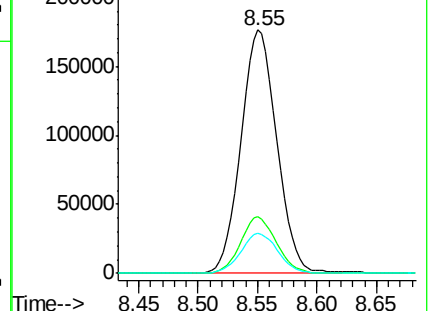
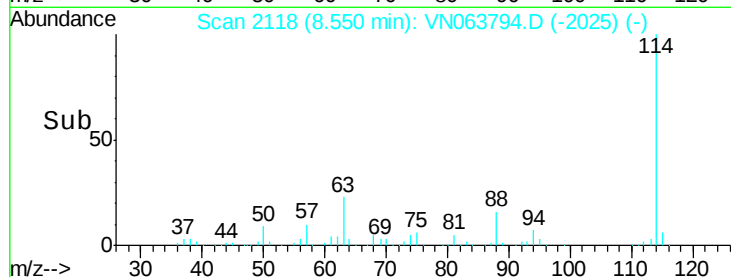
88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.497 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063794.D

Acq: 2 Oct 2020 1:20

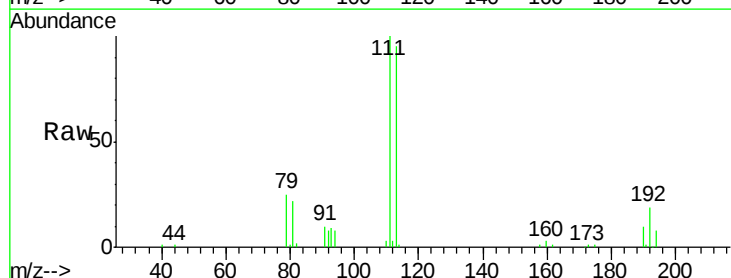
Tgt Ion:113 Resp: 123854

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

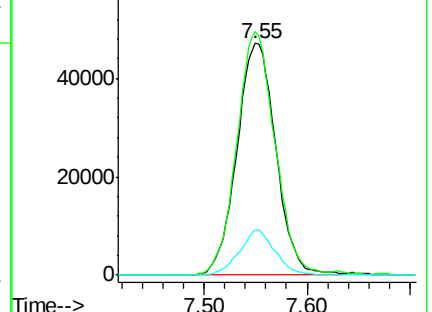
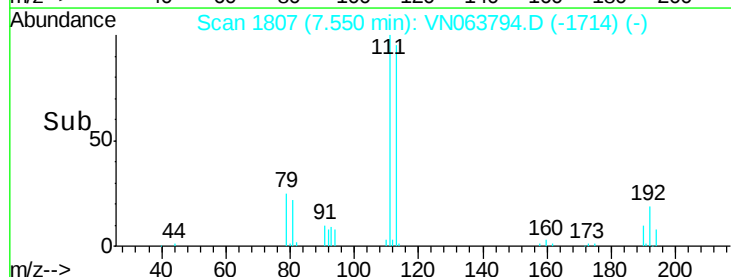
192 17.8 14.2 21.2

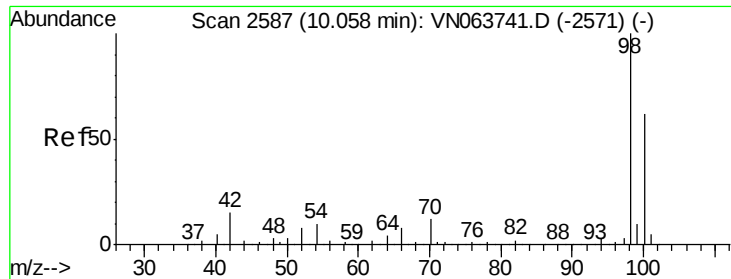


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

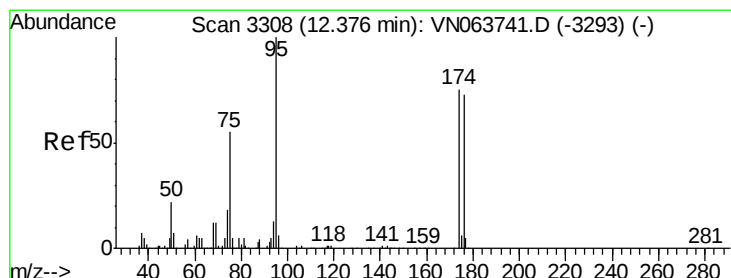
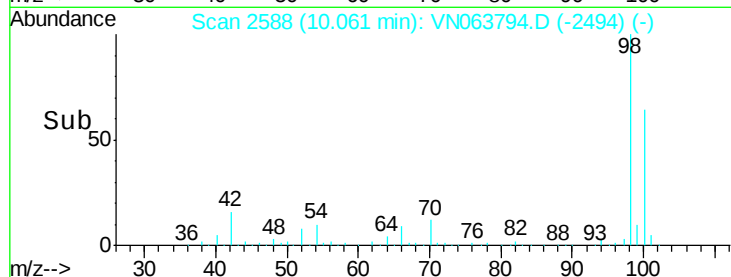
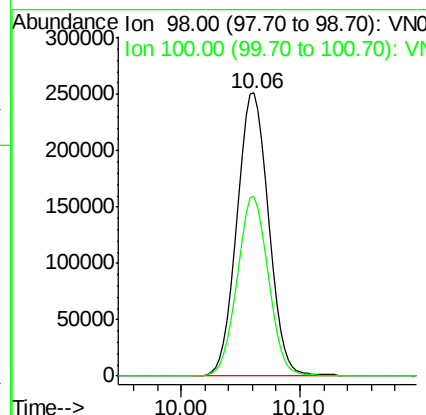
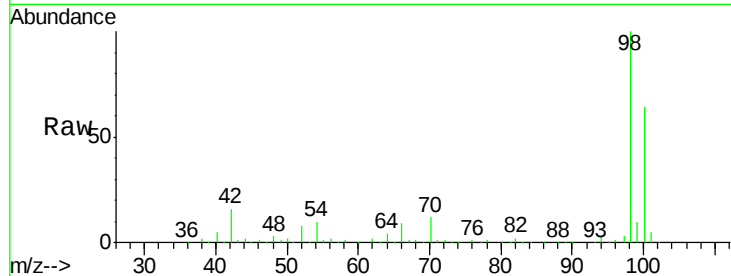




#50  
Toluene-d8  
Concen: 48.072 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN063794.D  
Acq: 2 Oct 2020 1:20

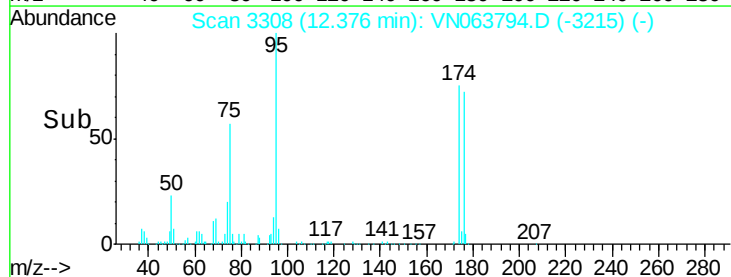
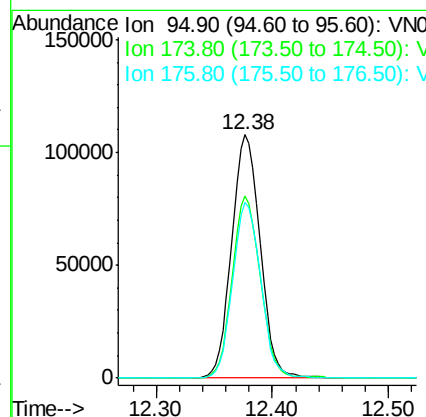
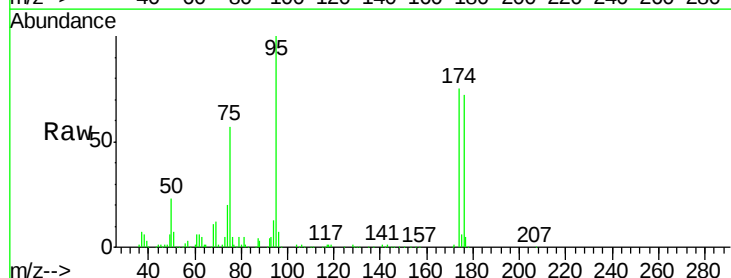
Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

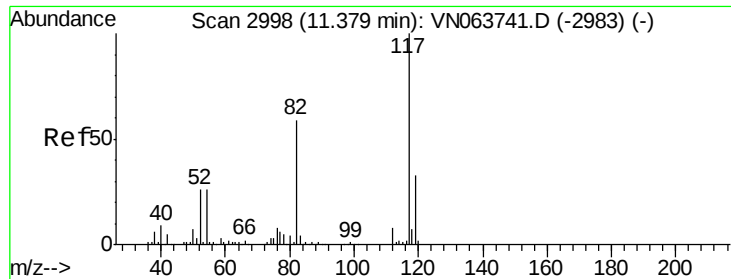
Tot Ion: 98 Resp: 465400  
Ion Ratio Lower Upper  
98 100  
100 62.6 49.8 74.6



#62  
4-Bromofluorobenzene  
Concen: 50.268 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN063794.D  
Acq: 2 Oct 2020 1:20

Tgt Ion: 95 Resp: 182941  
Ion Ratio Lower Upper  
95 100  
174 73.3 0.0 150.6  
176 70.9 0.0 145.4

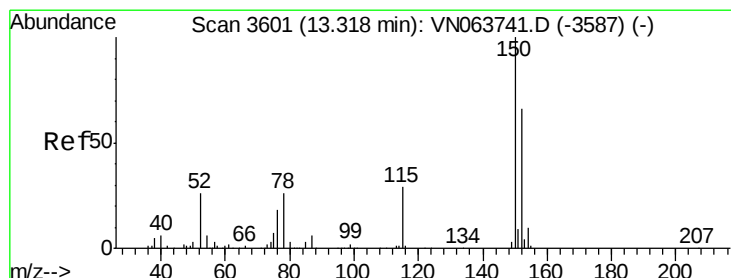
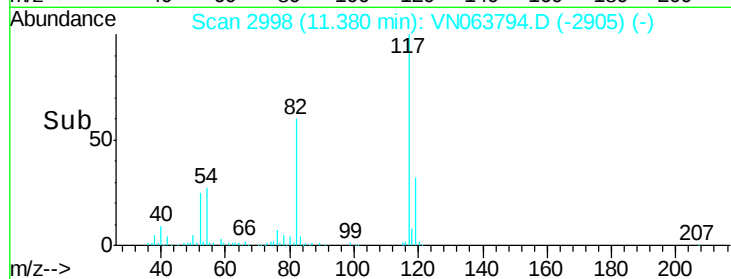
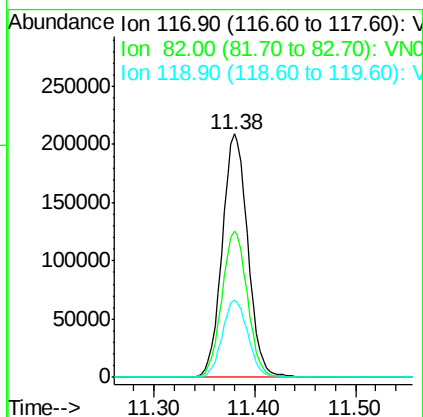
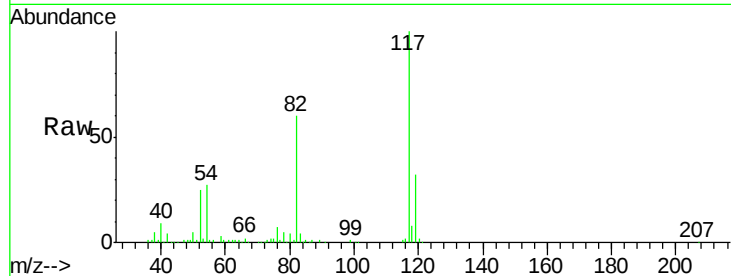




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN063794.D  
Acq: 2 Oct 2020 1:20

Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

Tot Ion:117 Resp: 371645  
Ion Ratio Lower Upper  
117 100  
82 60.1 47.4 71.2  
119 31.7 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN063794.D  
Acq: 2 Oct 2020 1:20

Tgt Ion:152 Resp: 149905  
Ion Ratio Lower Upper  
152 100  
115 62.4 31.3 93.8  
150 158.0 0.0 341.8

