

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\  
 Data File : VN063492.D  
 Acq On : 21 Sep 2020 17:44  
 Operator : JC/MD  
 Sample : L4056-01 2000X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 228

Quant Time: Sep 22 04:07:29 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

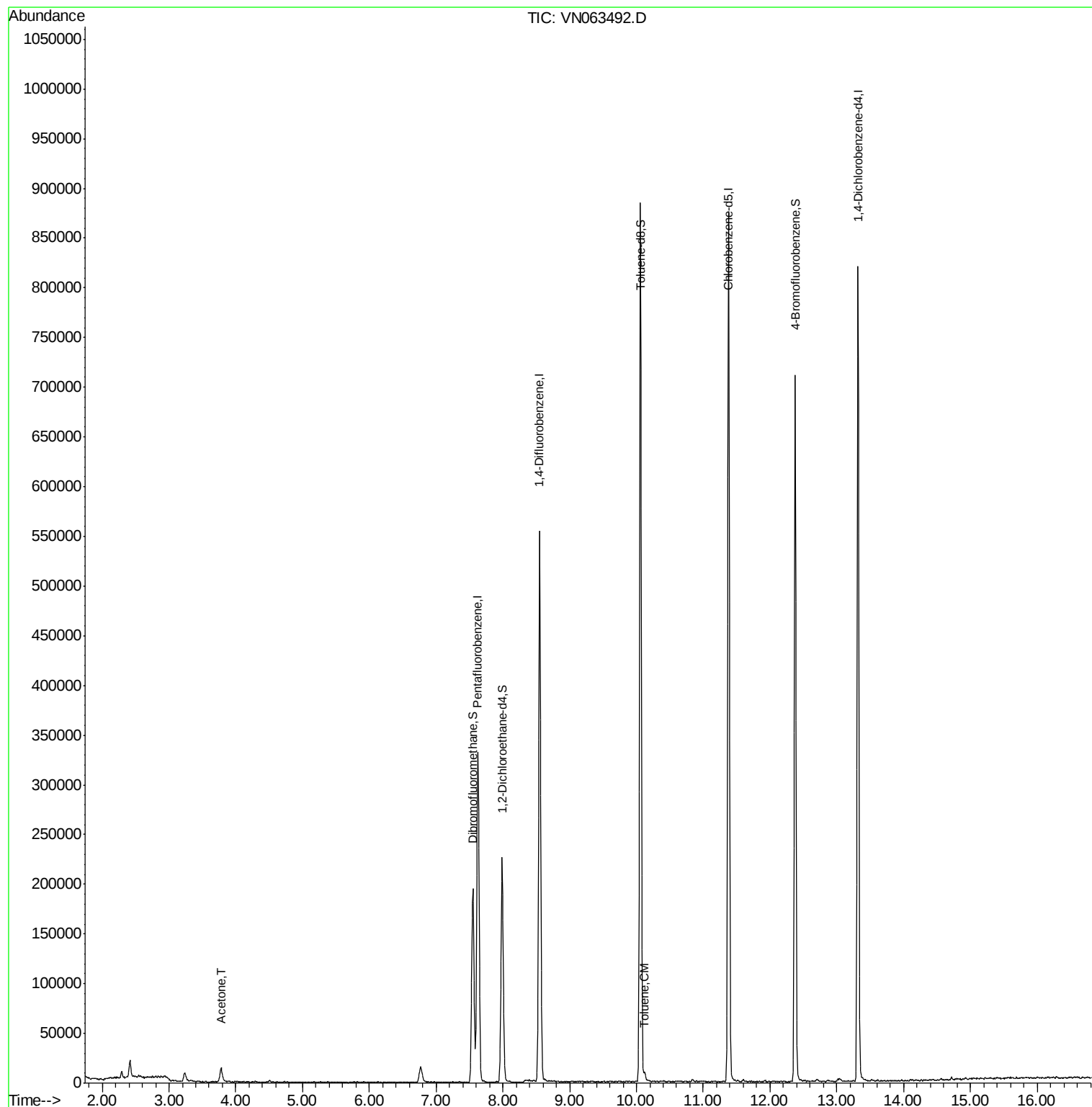
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.62  | 168  | 245982   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 466814   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 461999   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 202895   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 194773   | 46.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.04%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 147932   | 45.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.56%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 592703   | 48.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.56%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 241451   | 54.20  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.40% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 23890    | 17.753 | ug/l    | 99       |
| 52) Toluene                 | 10.12 | 92   | 2757     | 0.323  | ug/l    | 99       |

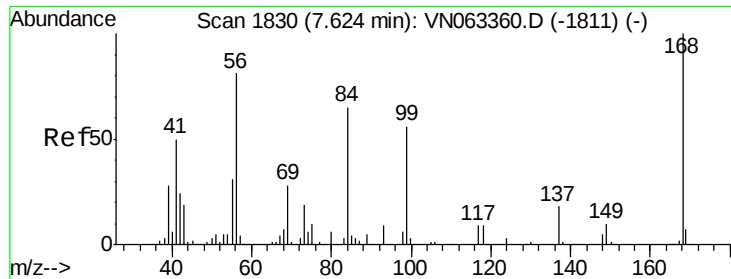
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 22 04:07:29 2020  
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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063492.D

Acq: 21 Sep 2020 17:44

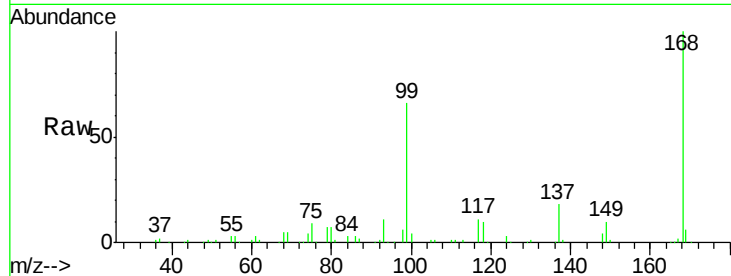
Instrument :  
MSVOA\_N  
ClientSampleId :  
228

Tot Ion:168 Resp: 245982

Ion Ratio Lower Upper

168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

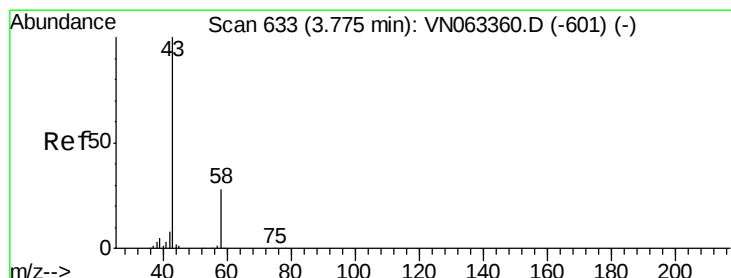
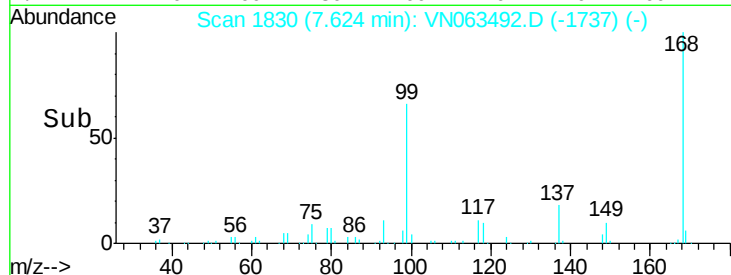
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 17.753 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063492.D

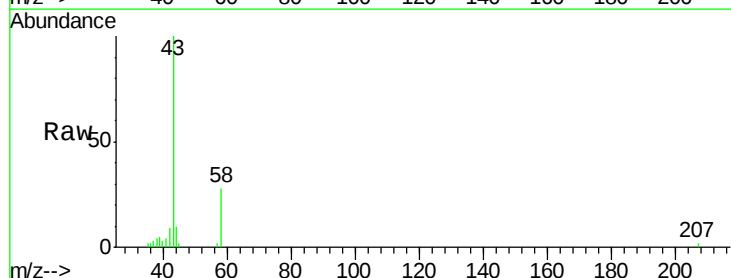
Acq: 21 Sep 2020 17:44

Tgt Ion: 43 Resp: 23890

Ion Ratio Lower Upper

43 100

58 28.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

10000

8000

6000

4000

2000

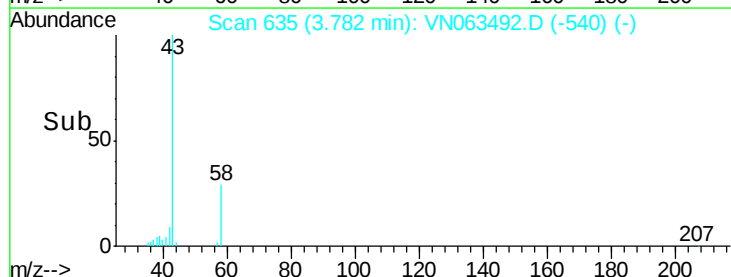
0

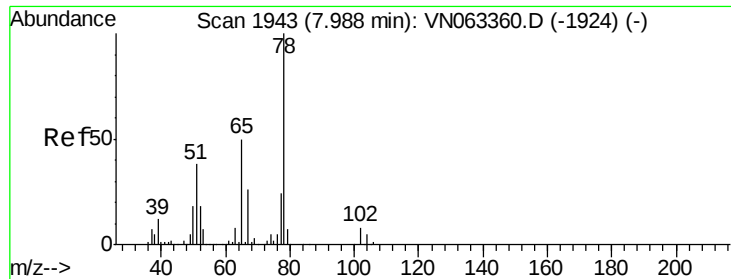
3.70

3.80

3.90

Time-->

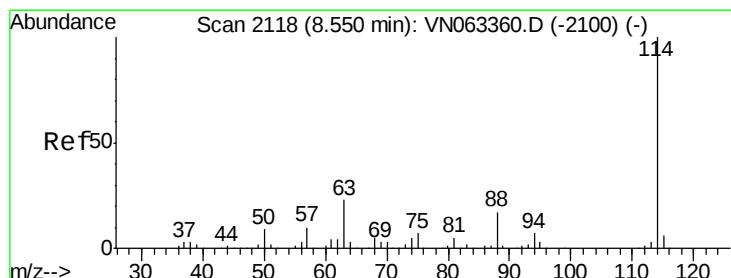
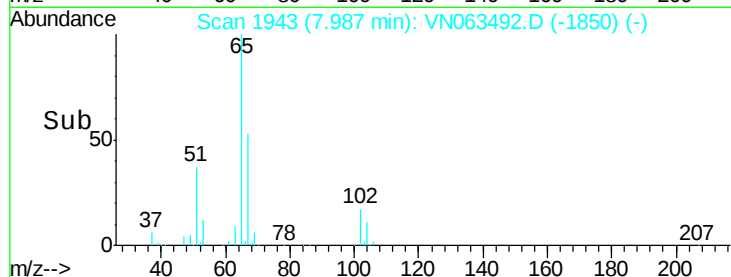
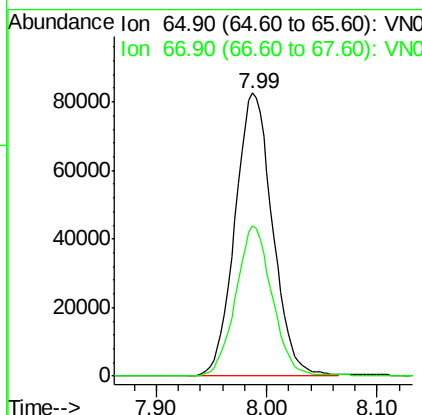
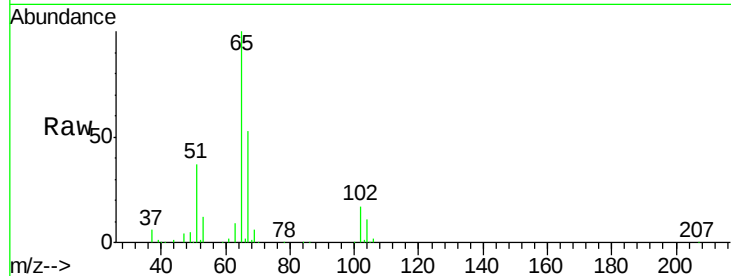




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.516 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063492.D  
 Acq: 21 Sep 2020 17:44

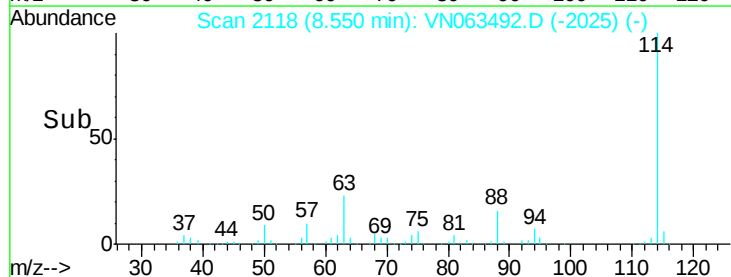
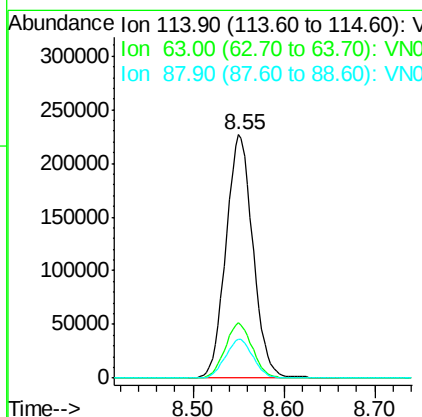
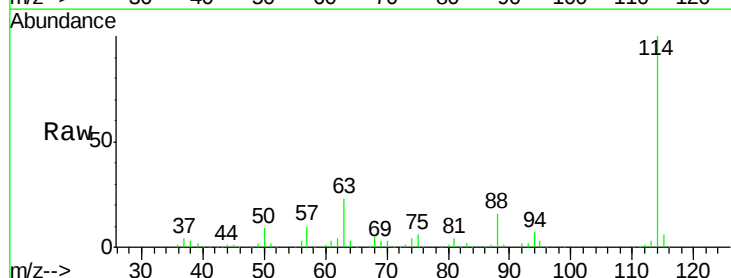
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 228

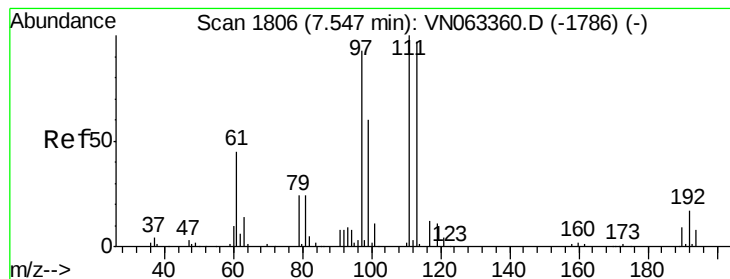
Tot Ion: 65 Resp: 194773  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 104.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063492.D  
 Acq: 21 Sep 2020 17:44

Tgt Ion: 114 Resp: 466814  
 Ion Ratio Lower Upper  
 114 100  
 63 22.6 0.0 46.4  
 88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.776 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063492.D

Acq: 21 Sep 2020 17:44

Instrument :

MSVOA\_N

ClientSampled :

228

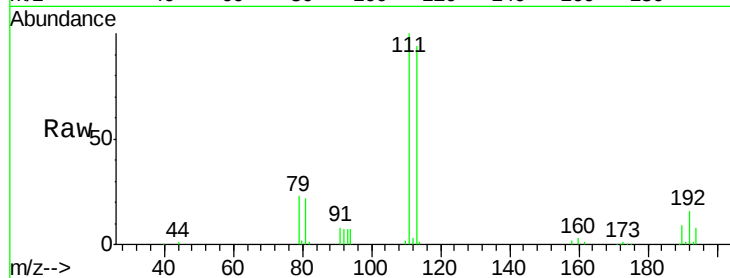
Tot Ion:113 Resp: 147932

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

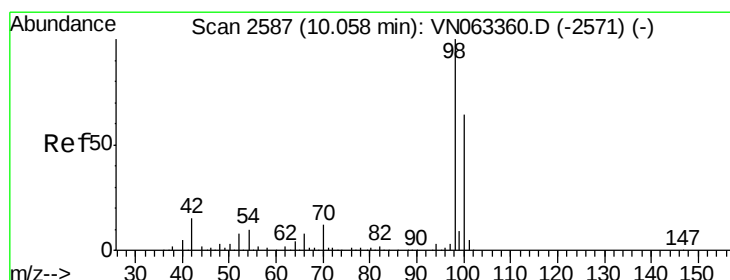
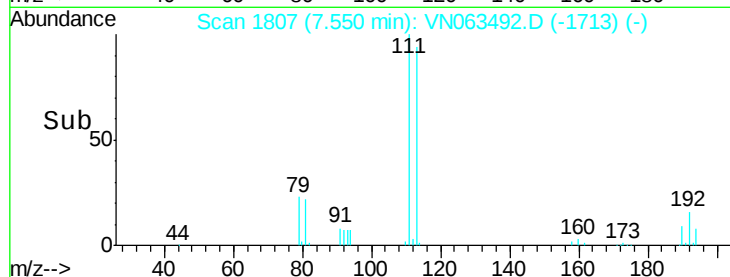
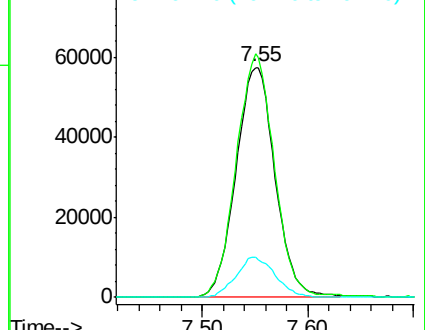
192 17.5 13.9 20.9



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: 48.776 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063492.D

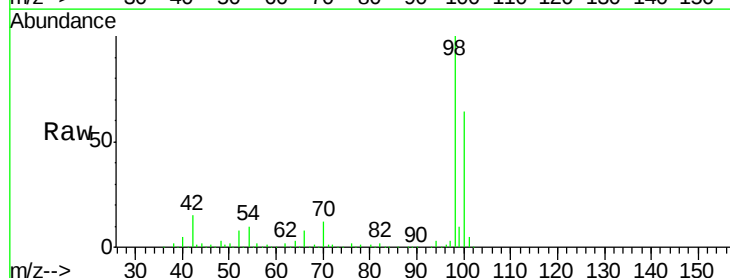
Acq: 21 Sep 2020 17:44

Tgt Ion: 98 Resp: 592703

Ion Ratio Lower Upper

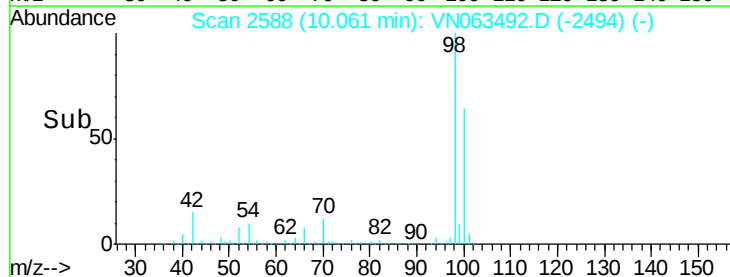
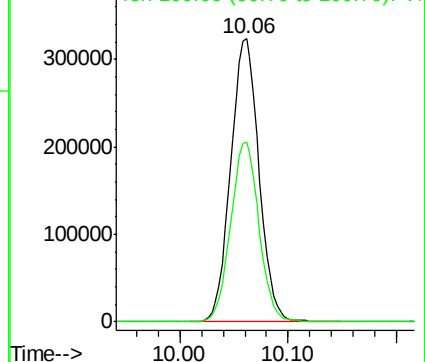
98 100

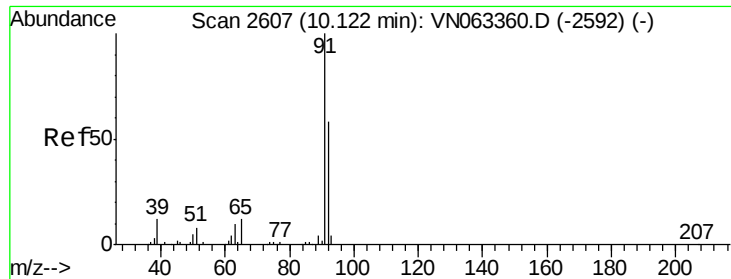
100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 0.323 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063492.D

Acq: 21 Sep 2020 17:44

Instrument :

MSVOA\_N

ClientSampleId :

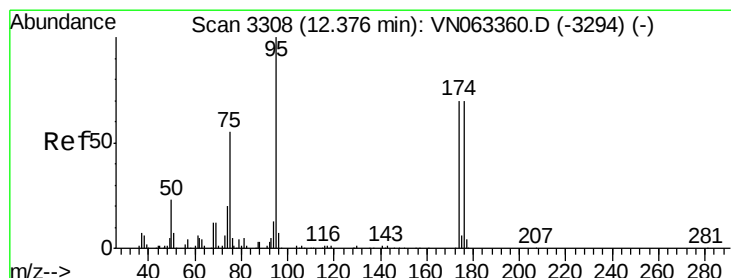
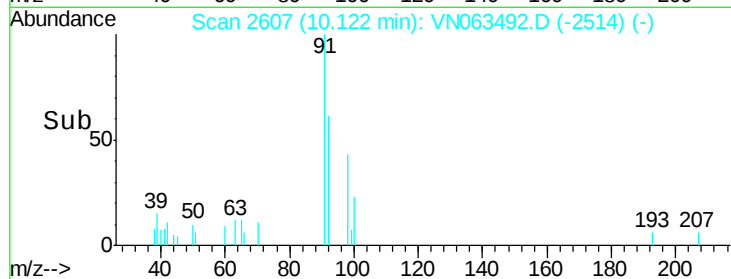
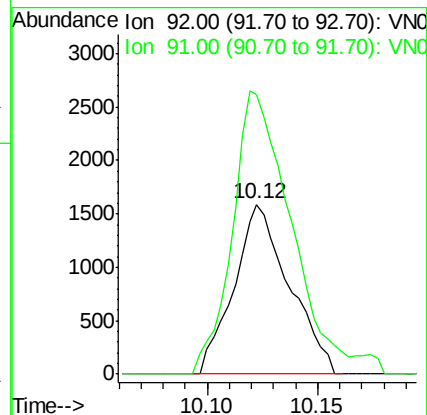
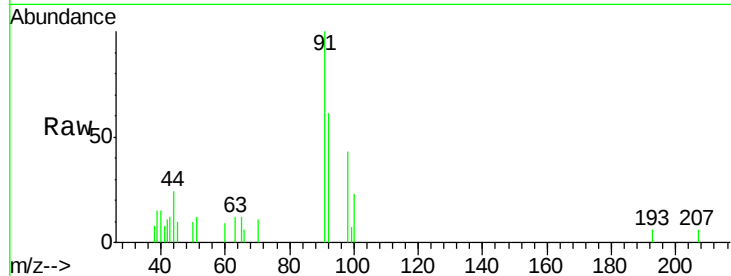
228

Tot Ion: 92 Resp: 2757

Ion Ratio Lower Upper

92 100

91 176.6 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 54.203 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063492.D

Acq: 21 Sep 2020 17:44

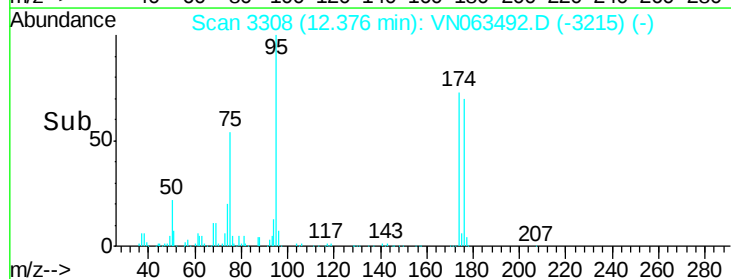
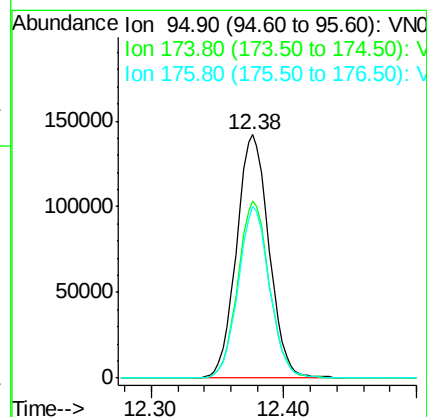
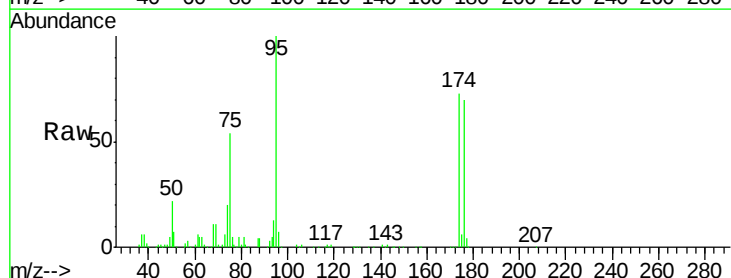
Tgt Ion: 95 Resp: 241451

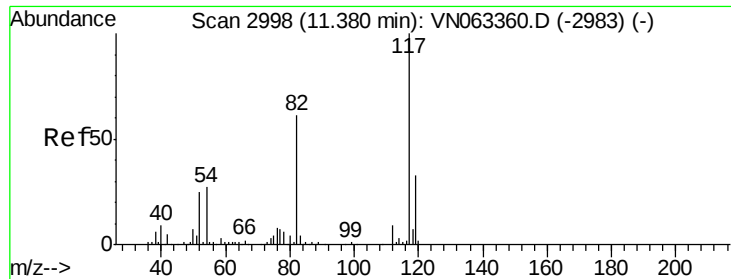
Ion Ratio Lower Upper

95 100

174 71.2 0.0 140.8

176 68.3 0.0 137.6

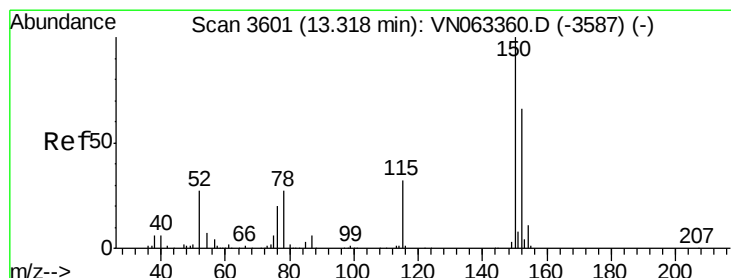
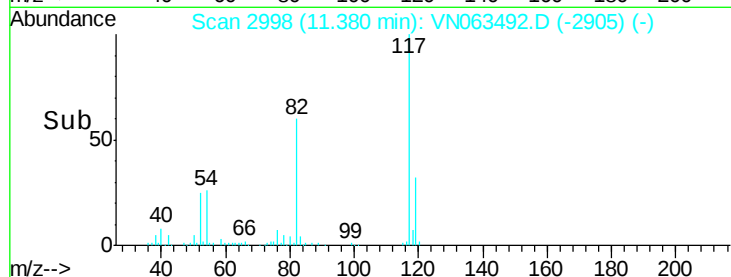
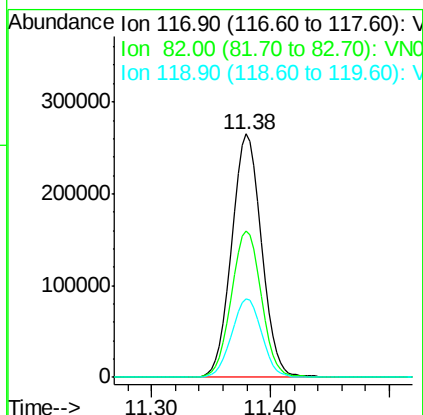
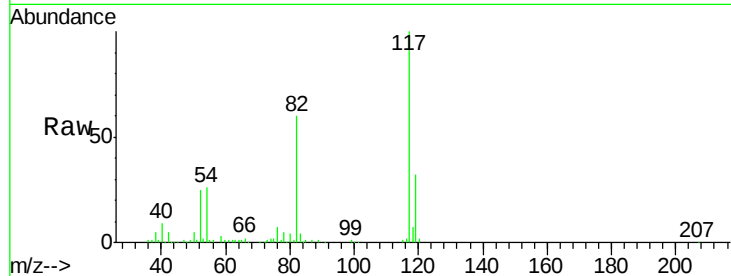




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063492.D  
Acq: 21 Sep 2020 17:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
228

Tot Ion:117 Resp: 461999  
Ion Ratio Lower Upper  
117 100  
82 60.3 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: VN063492.D  
Acq: 21 Sep 2020 17:44

Tgt Ion:152 Resp: 202895  
Ion Ratio Lower Upper  
152 100  
115 63.6 32.2 96.6  
150 158.3 0.0 343.4

