

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102021\  
 Data File : VN069070.D  
 Acq On : 20 Oct 2021 18:42  
 Operator : JC/MD  
 Sample : M4252-10  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MH-CB-(1)

Quant Time: Oct 20 23:15:50 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N101221W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 13 05:44:40 2021  
 Response via : Initial Calibration

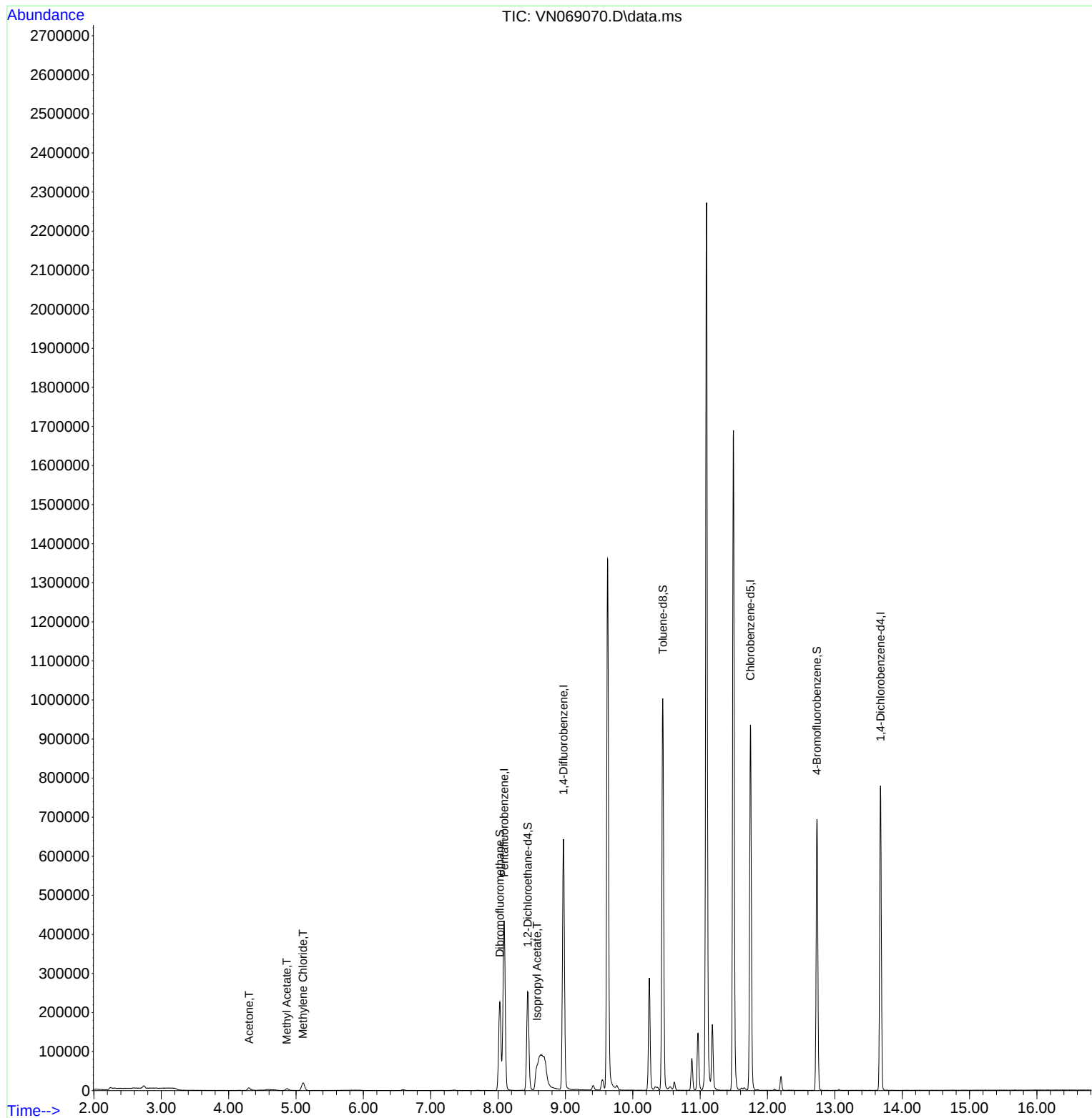
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.091  | 168   | 327458   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971  | 114   | 579797   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.746 | 117   | 550393   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.677 | 152   | 206771   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.440  | 65    | 214375   | 49.653   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 99.300%  |
| 35) Dibromofluoromethane    | 8.027  | 113   | 169178   | 50.152   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 100.300% |
| 50) Toluene-d8              | 10.446 | 98    | 714796   | 52.959   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 105.920% |
| 62) 4-Bromofluorobenzene    | 12.733 | 95    | 251742   | 49.436   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 98.880%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 4.301  | 43    | 12815    | 7.954    | ug/l   | 97       |
| 18) Methyl Acetate          | 4.864  | 43    | 10906    | 1.785    | ug/l # | 76       |
| 20) Methylene Chloride      | 5.103  | 84    | 17046    | 4.597    | ug/l   | 92       |
| 43) Isopropyl Acetate       | 8.579  | 43    | 58624    | 6.496    | ug/l # | 77       |
| -----                       |        |       |          |          |        |          |

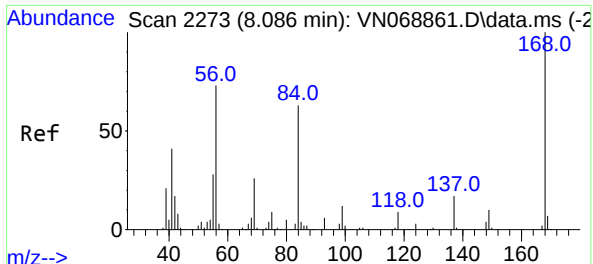
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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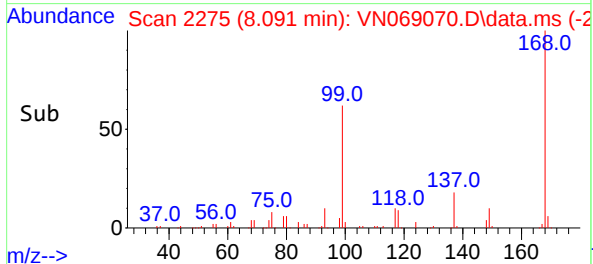
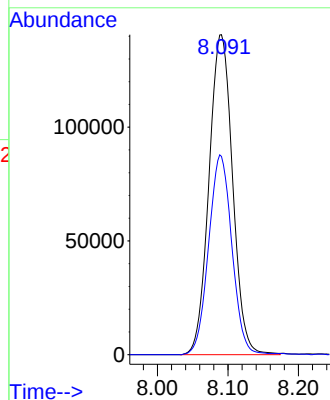
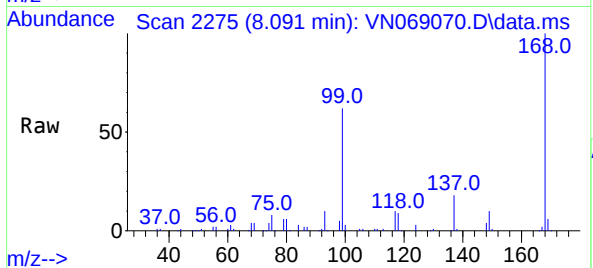




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.091 min Scan# 2275  
Delta R.T. 0.005 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

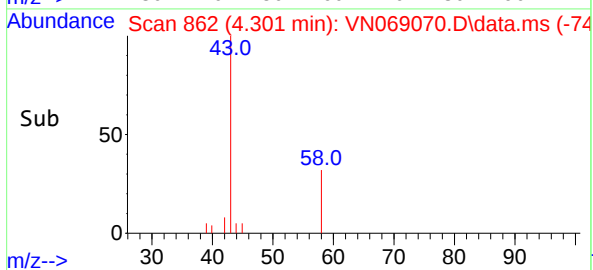
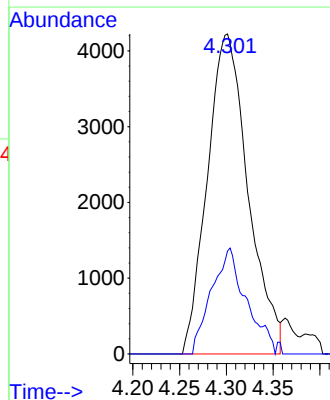
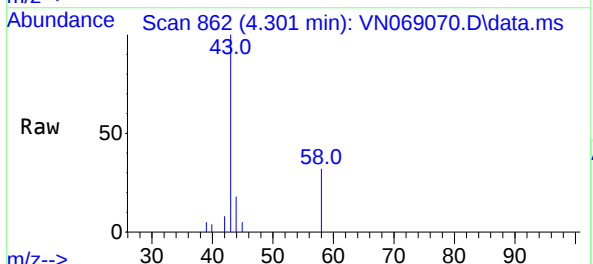
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-CB-(1)

Tgt Ion:168 Resp: 327458  
Ion Ratio Lower Upper  
168 100  
99 62.0 48.9 73.3



#16  
Acetone  
Concen: 7.954 ug/l  
RT: 4.301 min Scan# 862  
Delta R.T. 0.016 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Tgt Ion: 43 Resp: 12815  
Ion Ratio Lower Upper  
43 100  
58 32.2 24.5 36.7





#18

Methyl Acetate

Concen: 1.785 ug/l

RT: 4.864 min Scan# 1072

Delta R.T. 0.011 min

Lab File: VN069070.D

Acq: 20 Oct 2021 18:42

Tgt Ion: 43 Resp: 10906

Ion Ratio Lower Upper

43 100

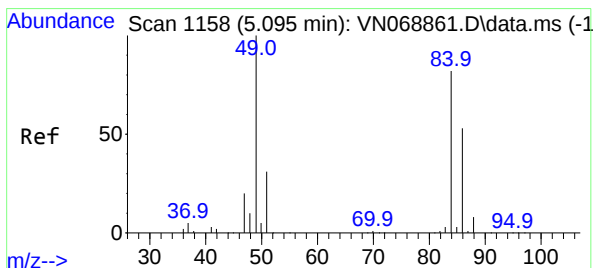
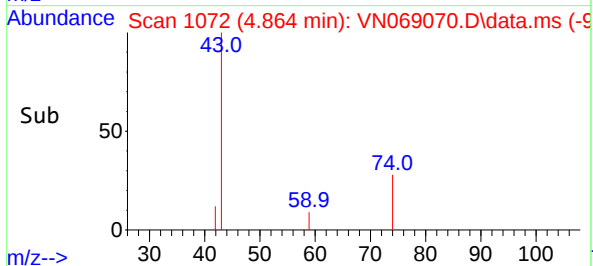
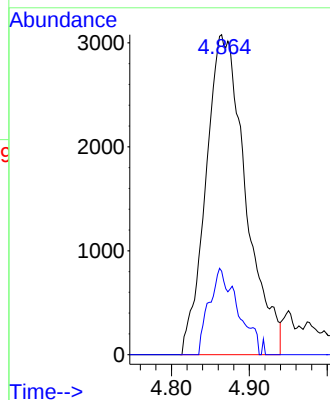
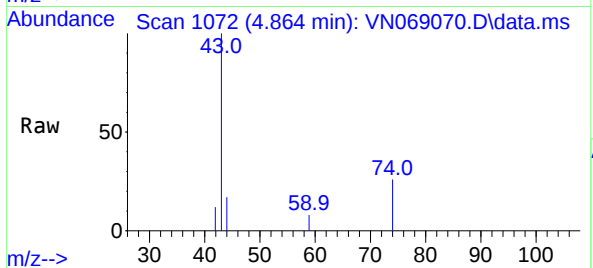
74 11.8 18.9 28.3#

Instrument :

MSVOA\_N

ClientSampleId :

MH-CB-(1)



#20

Methylene Chloride

Concen: 4.597 ug/l

RT: 5.103 min Scan# 1161

Delta R.T. 0.008 min

Lab File: VN069070.D

Acq: 20 Oct 2021 18:42

Tgt Ion: 84 Resp: 17046

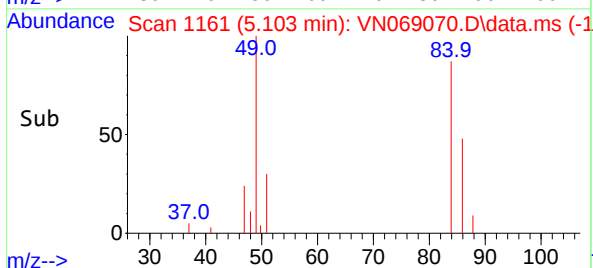
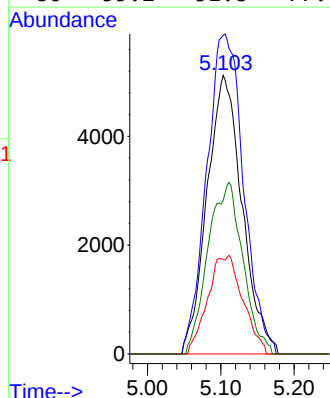
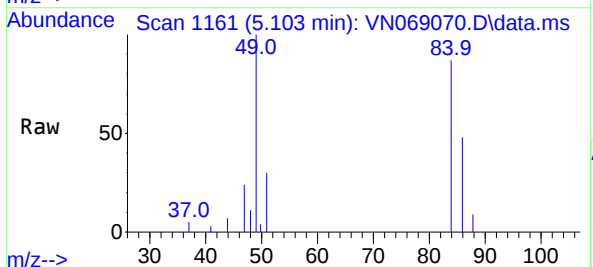
Ion Ratio Lower Upper

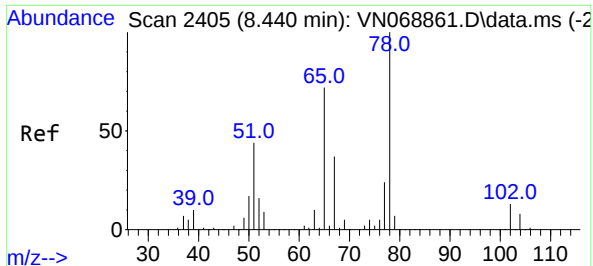
84 100

49 114.4 97.6 146.4

51 33.9 30.3 45.5

86 55.2 51.8 77.6



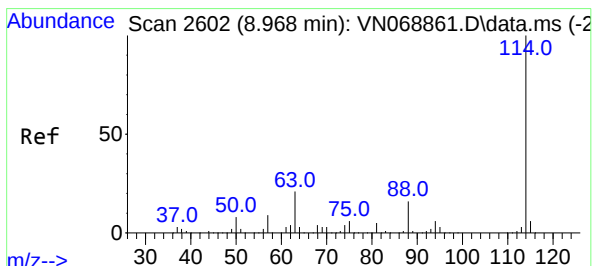
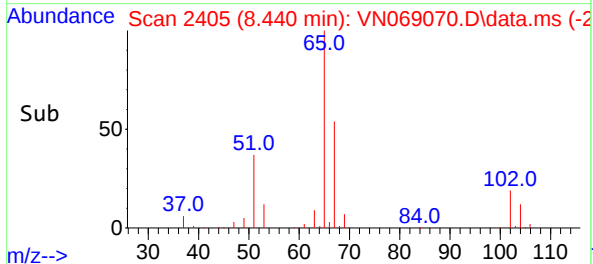
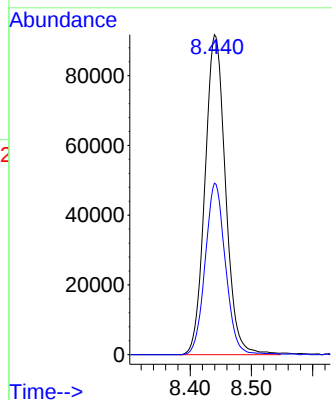
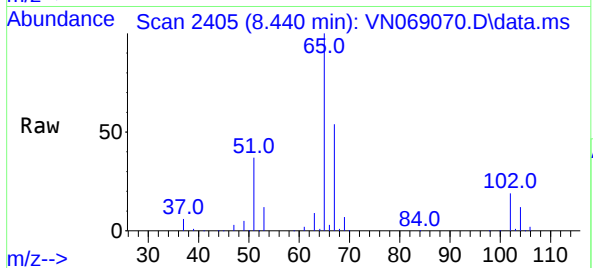


#33

1,2-Dichloroethane-d4  
Concen: 49.653 ug/l  
RT: 8.440 min Scan# 2405  
Delta R.T. -0.000 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-CB-(1)

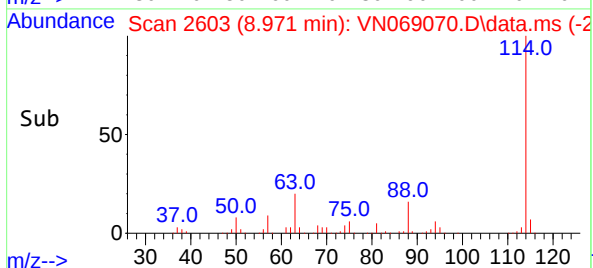
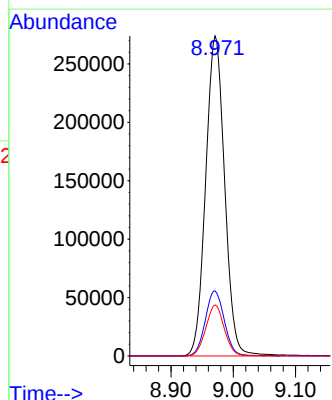
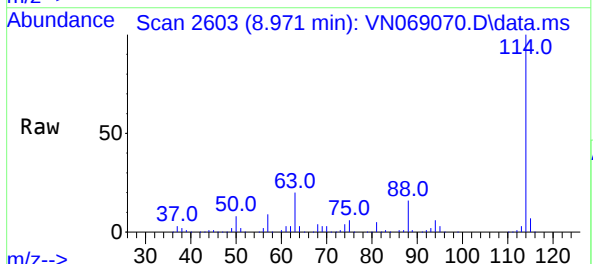
Tgt Ion: 65 Resp: 214375  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 103.8

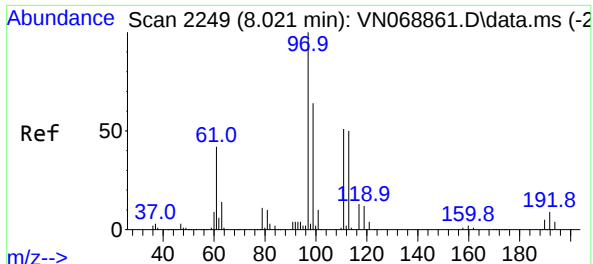


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.971 min Scan# 2603  
Delta R.T. 0.003 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Tgt Ion: 114 Resp: 579797  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 42.6  
88 15.9 0.0 32.0

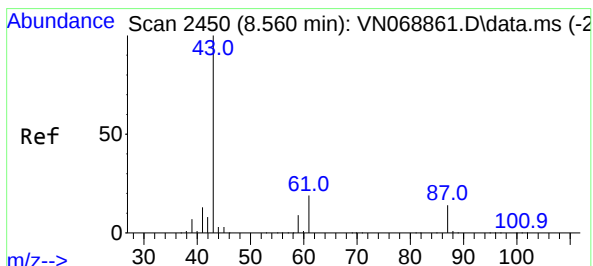
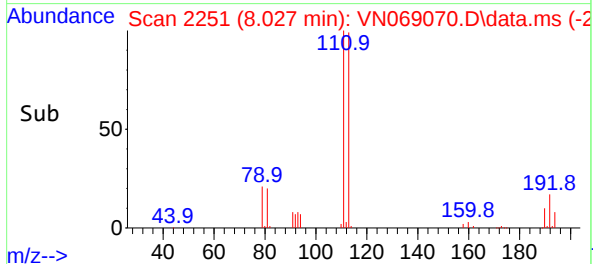
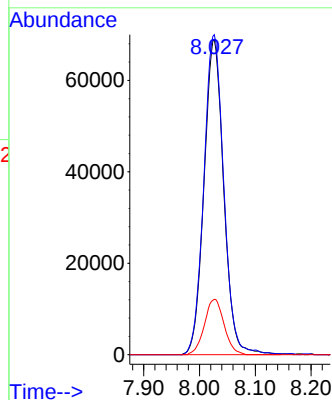
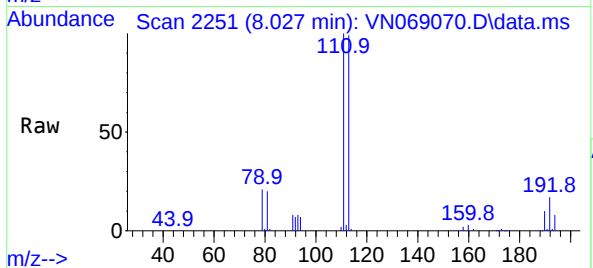




#35  
Dibromofluoromethane  
Concen: 50.152 ug/l  
RT: 8.027 min Scan# 2251  
Delta R.T. 0.005 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

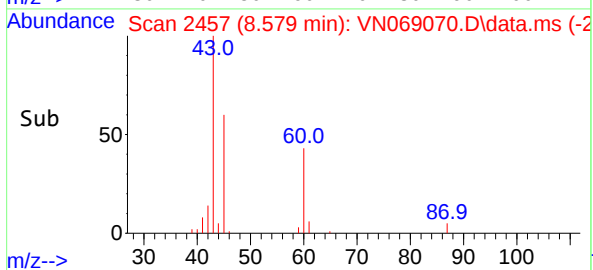
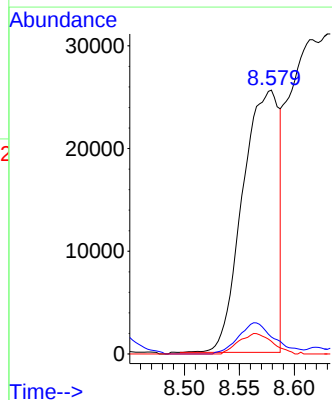
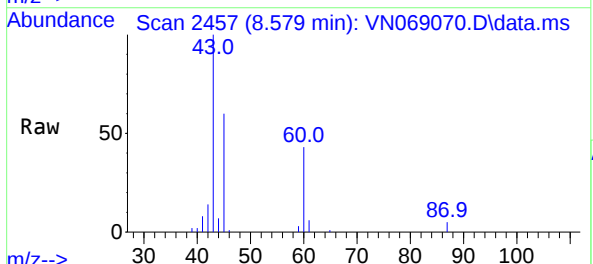
Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-CB-(1)

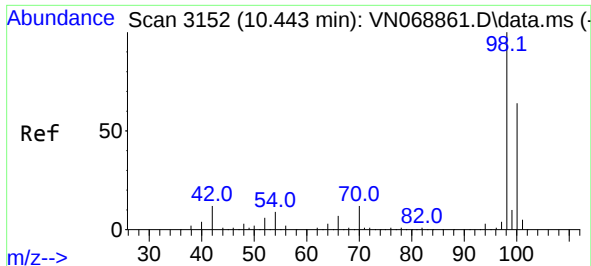
Tgt Ion:113 Resp: 169178  
Ion Ratio Lower Upper  
113 100  
111 102.2 83.2 124.8  
192 17.6 15.0 22.4



#43  
Isopropyl Acetate  
Concen: 6.496 ug/l  
RT: 8.579 min Scan# 2457  
Delta R.T. 0.019 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Tgt Ion: 43 Resp: 58624  
Ion Ratio Lower Upper  
43 100  
61 11.8 20.4 30.6#  
87 7.2 10.7 16.1#

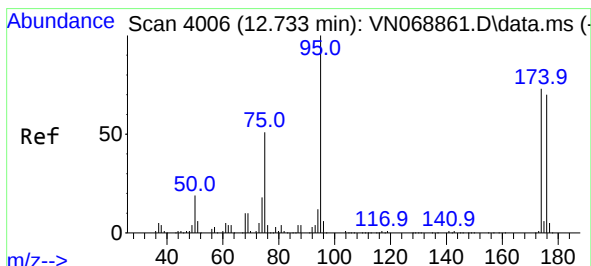
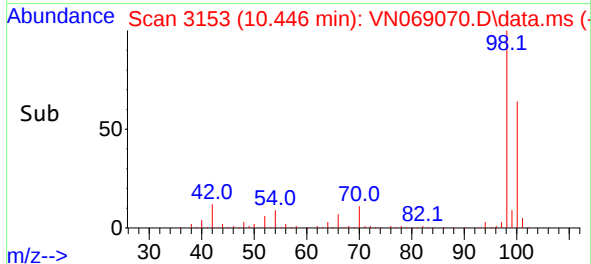
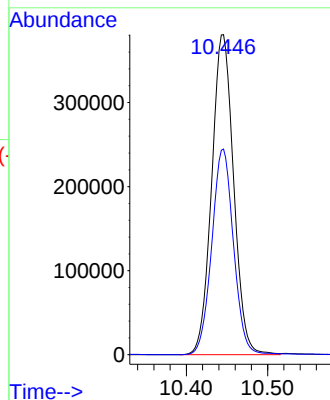
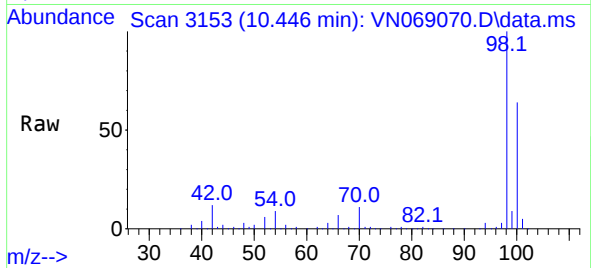




#50  
Toluene-d8  
Concen: 52.959 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

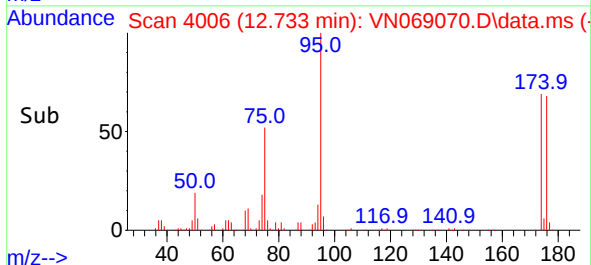
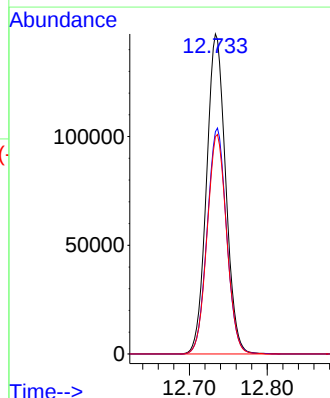
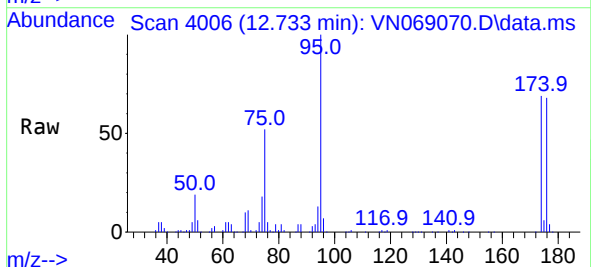
Instrument :  
MSVOA\_N  
ClientSampled :  
MH-CB-(1)

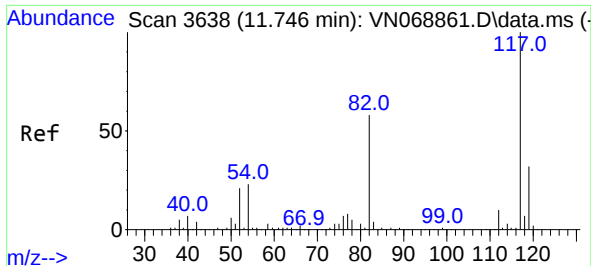
Tgt Ion: 98 Resp: 714796  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 49.436 ug/l  
RT: 12.733 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Tgt Ion: 95 Resp: 251742  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 144.8  
176 69.8 0.0 140.0

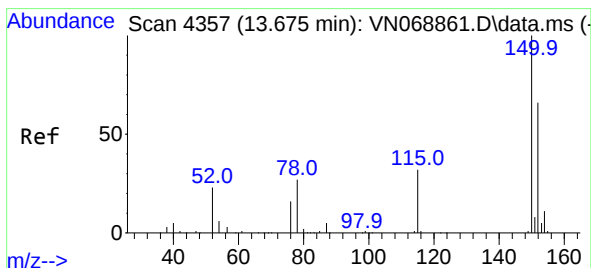
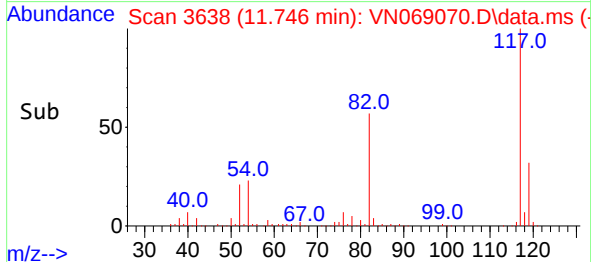
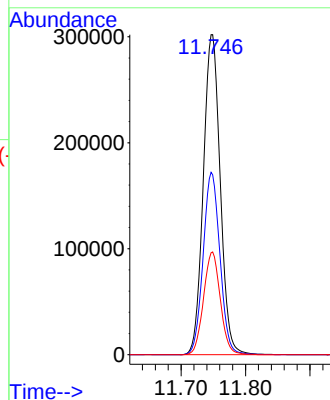
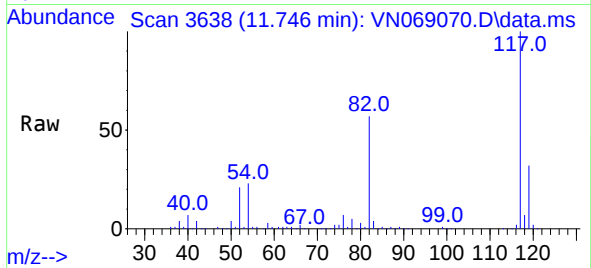




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.746 min Scan# 3638  
Delta R.T. -0.000 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Instrument :  
MSVOA\_N  
ClientSampleId :  
MH-CB-(1)

Tgt Ion:117 Resp: 550393  
Ion Ratio Lower Upper  
117 100  
82 57.0 46.4 69.6  
119 31.8 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.677 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069070.D  
Acq: 20 Oct 2021 18:42

Tgt Ion:152 Resp: 206771  
Ion Ratio Lower Upper  
152 100  
115 63.1 31.4 94.3  
150 157.5 0.0 351.0

