

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
 Data File : VN069791.D  
 Acq On : 6 Dec 2021 18:27  
 Operator : JC/MD  
 Sample : M4950-03  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Dec 07 03:49:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N120221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 03 08:46:47 2021  
 Response via : Initial Calibration

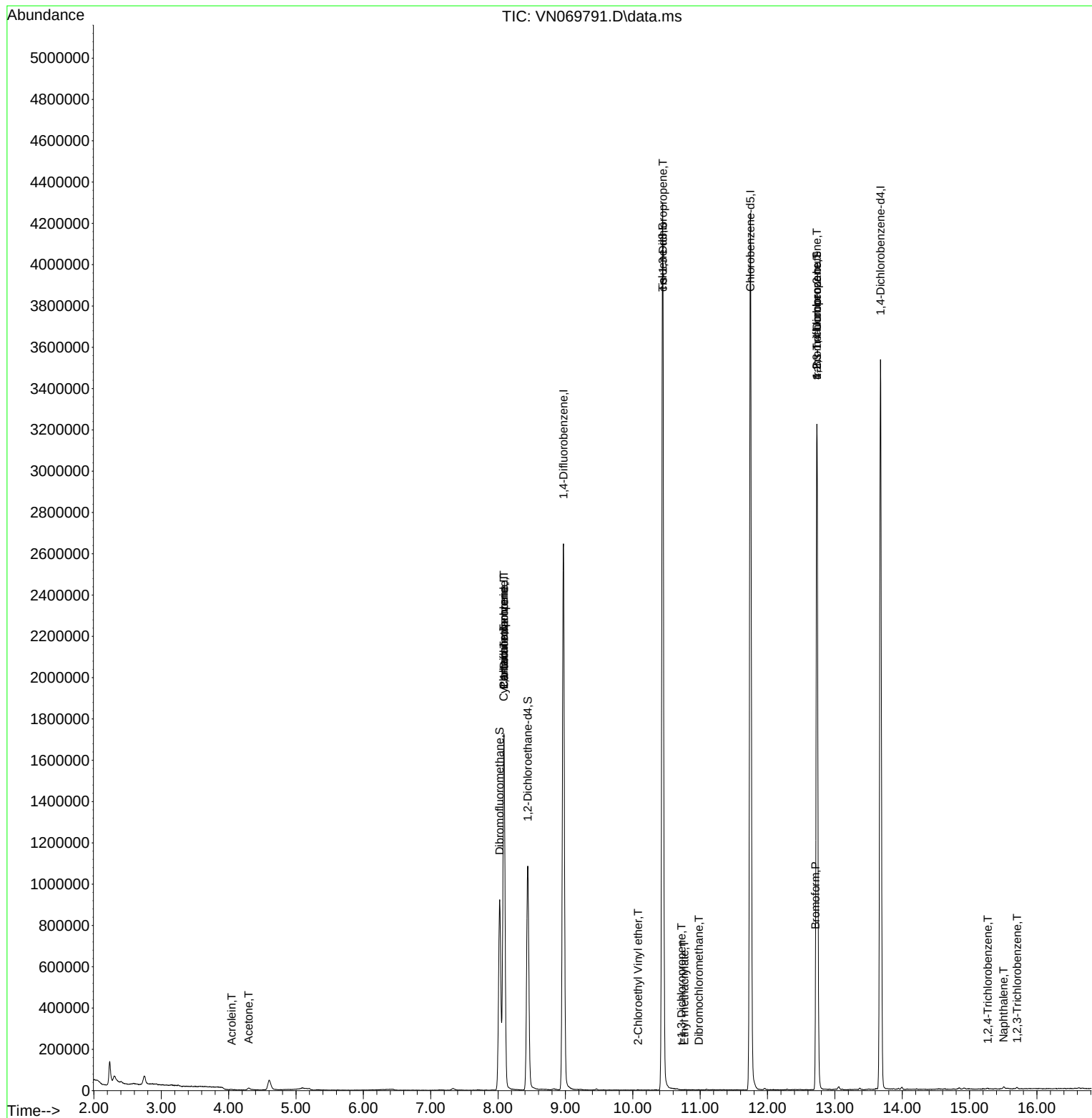
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 8.086  | 168   | 1264861  | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.971  | 114   | 2245115  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.747 | 117   | 2392019  | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.678 | 152   | 935036   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.440  | 65    | 940579   | 48.162   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 96.320%  |
| 35) Dibromofluoromethane      | 8.024  | 113   | 659925   | 46.927   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 93.860%  |
| 50) Toluene-d8                | 10.443 | 98    | 2889238  | 51.167   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 102.340% |
| 62) 4-Bromofluorobenzene      | 12.734 | 95    | 1134913  | 55.478   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 110.960% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acrolein                  | 4.044  | 56    | 809      | 0.257    | ug/l # | 67       |
| 16) Acetone                   | 4.296  | 43    | 14188    | 1.208    | ug/l   | 92       |
| 31) Cyclohexane               | 8.083  | 56    | 32983    | 1.214    | ug/l # | 32       |
| 36) 1,1-Dichloropropene       | 8.086  | 75    | 109063   | 5.103    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.086  | 117   | 131992   | 6.298    | ug/l # | 16       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75    | 128      | 2.799    | ug/l # | 69       |
| 54) cis-1,3-Dichloropropene   | 10.446 | 75    | 859      | 2.029    | ug/l # | 1        |
| 56) Ethyl methacrylate        | 10.768 | 69    | 154      | 2.284    | ug/l # | 1        |
| 58) 2-Chloroethyl Vinyl ether | 10.078 | 63    | 27       | 18.392   | ug/l # | 45       |
| 60) Dibromochloromethane      | 10.982 | 129   | 249      | 2.390    | ug/l # | 11       |
| 71) Bromoform                 | 12.712 | 173   | 417      | 2.758    | ug/l # | 29       |
| 76) 1,2,3-Trichloropropane    | 12.734 | 75    | 633545   | 23.627   | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.734 | 75    | 633545   | 75.108   | ug/l # | 5        |
| 93) 1,2,4-Trichlorobenzene    | 15.271 | 180   | 1092     | 2.945    | ug/l   | 92       |
| 95) Naphthalene               | 15.504 | 128   | 8563     | 4.158    | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.705 | 180   | 1465     | 2.529    | ug/l   | 61       |
| -----                         |        |       |          |          |        |          |

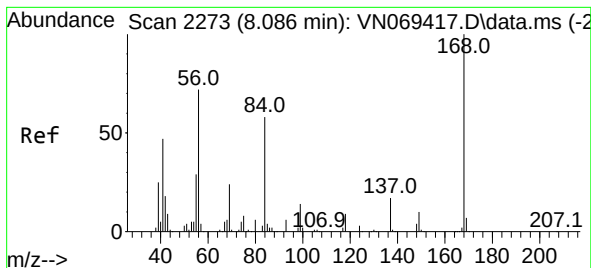
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN120621\  
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Quant Title : SW846 8260  
QLast Update : Fri Dec 03 08:46:47 2021  
Response via : Initial Calibration

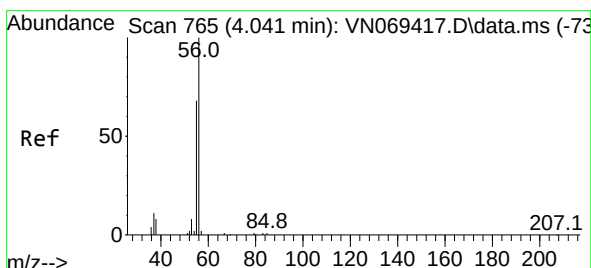
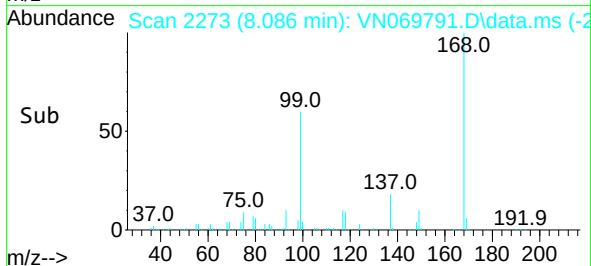
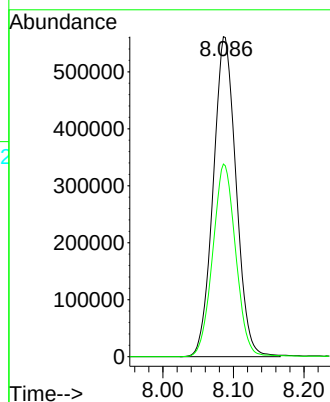
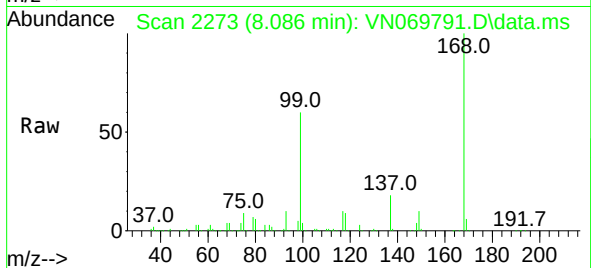




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

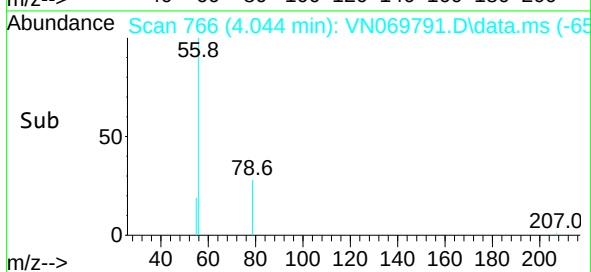
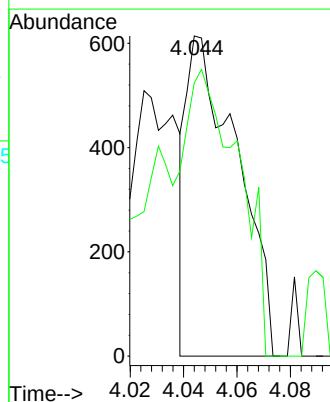
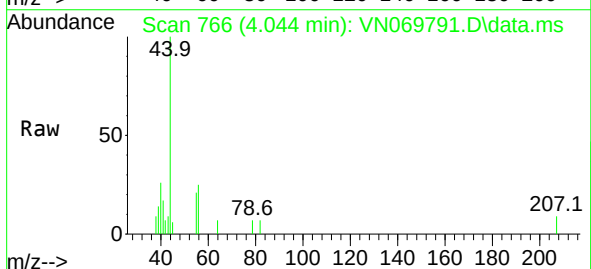
Instrument :  
MSVOA\_N  
ClientSampleId :  
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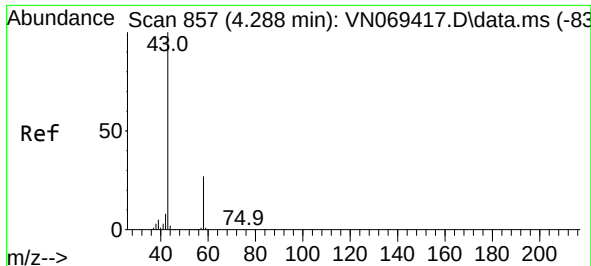
Tgt Ion:168 Resp: 1264861  
Ion Ratio Lower Upper  
168 100  
99 60.2 41.3 61.9



#13  
Acrolein  
Concen: 0.257 ug/l  
RT: 4.044 min Scan# 766  
Delta R.T. 0.006 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 56 Resp: 809  
Ion Ratio Lower Upper  
56 100  
55 98.4 56.6 85.0#

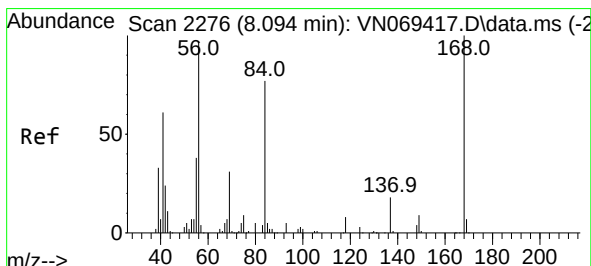
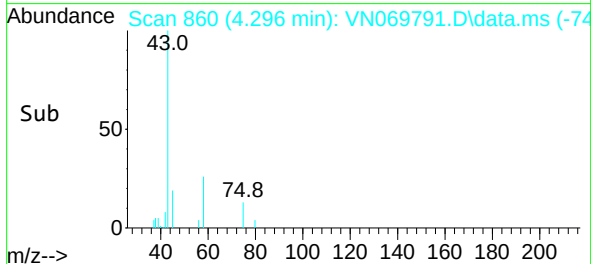
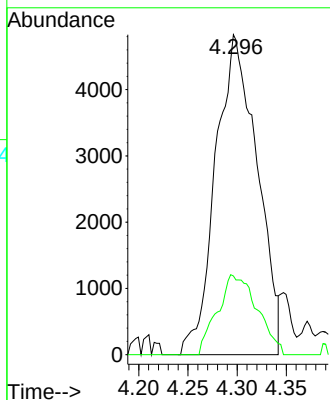
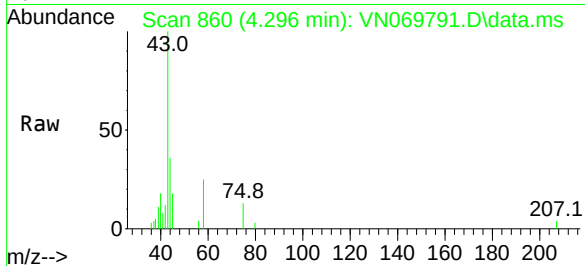




#16  
Acetone  
Concen: 1.208 ug/l  
RT: 4.296 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

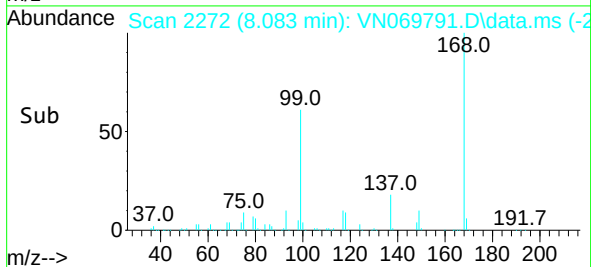
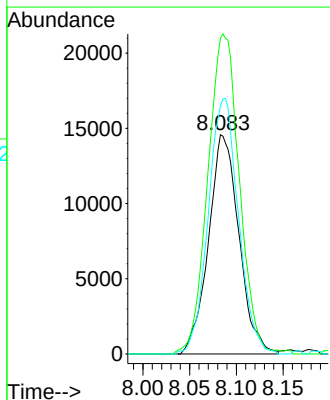
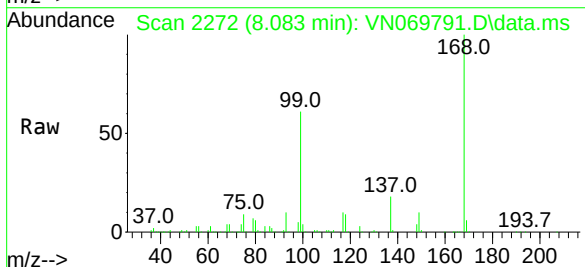
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

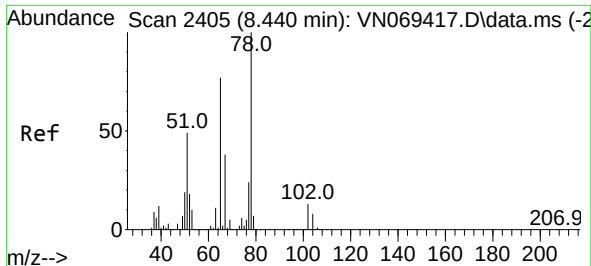
Tgt Ion: 43 Resp: 14188  
Ion Ratio Lower Upper  
43 100  
58 24.6 23.1 34.7



#31  
Cyclohexane  
Concen: 1.214 ug/l  
RT: 8.083 min Scan# 2272  
Delta R.T. -0.011 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 56 Resp: 32983  
Ion Ratio Lower Upper  
56 100  
69 142.5 27.1 40.7#  
84 113.2 73.4 110.0#

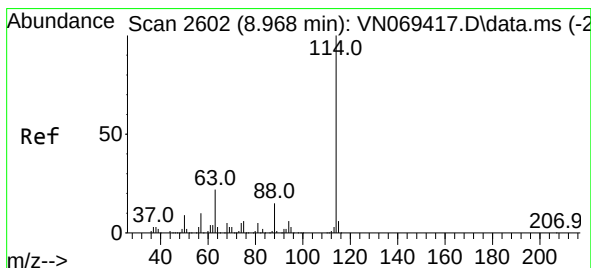
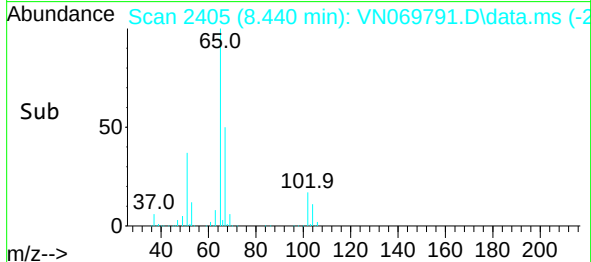
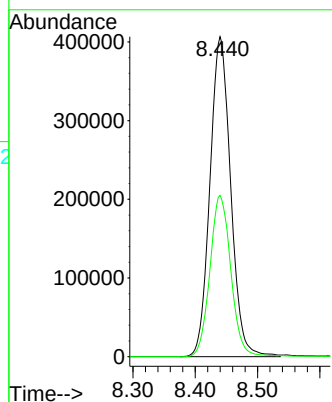
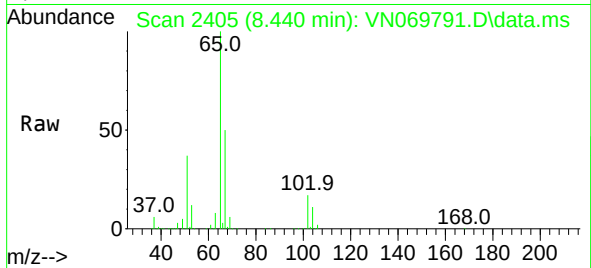




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.162 ug/l  
 RT: 8.440 min Scan# 2405  
 Delta R.T. 0.003 min  
 Lab File: VN069791.D  
 Acq: 6 Dec 2021 18:27

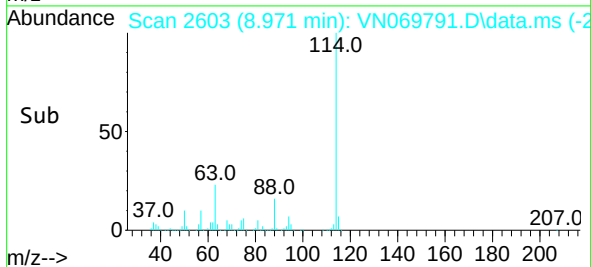
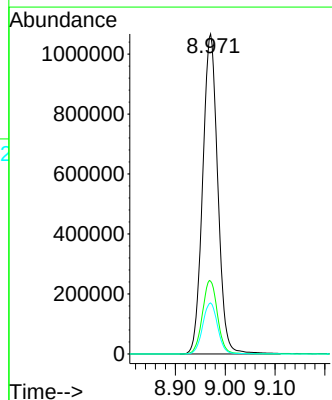
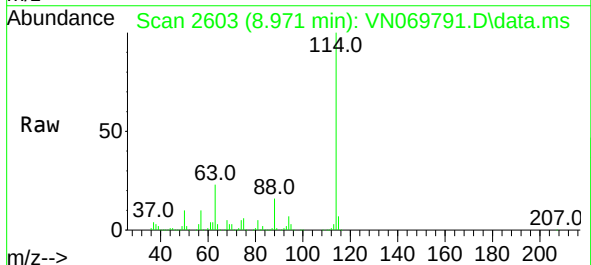
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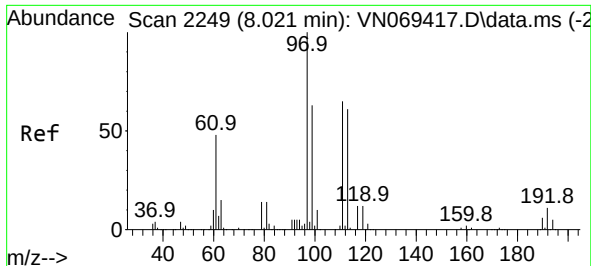
Tgt Ion: 65 Resp: 940579  
 Ion Ratio Lower Upper  
 65 100  
 67 51.0 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.971 min Scan# 2603  
 Delta R.T. 0.003 min  
 Lab File: VN069791.D  
 Acq: 6 Dec 2021 18:27

Tgt Ion: 114 Resp: 2245115  
 Ion Ratio Lower Upper  
 114 100  
 63 22.8 0.0 37.8  
 88 15.9 0.0 27.4

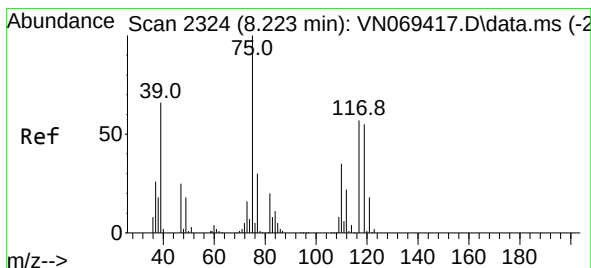
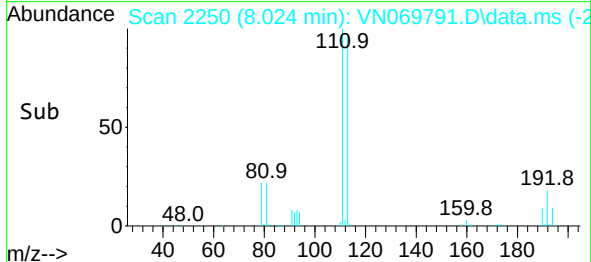
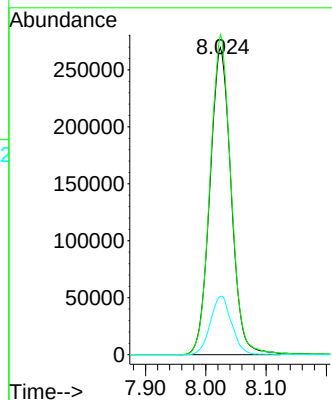
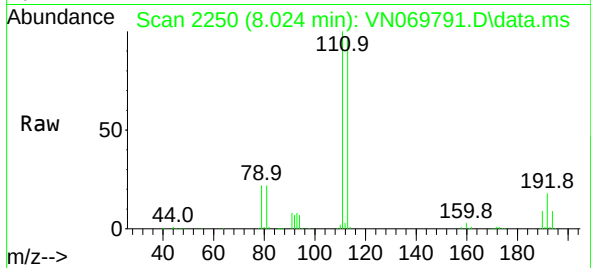




#35  
Dibromofluoromethane  
Concen: 46.927 ug/l  
RT: 8.024 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

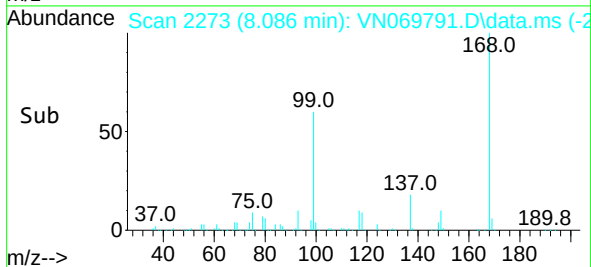
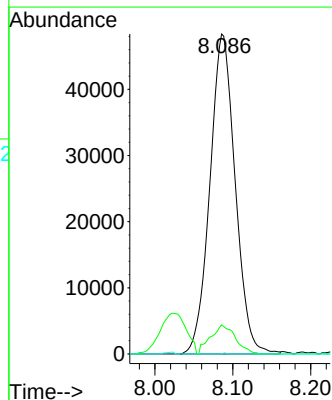
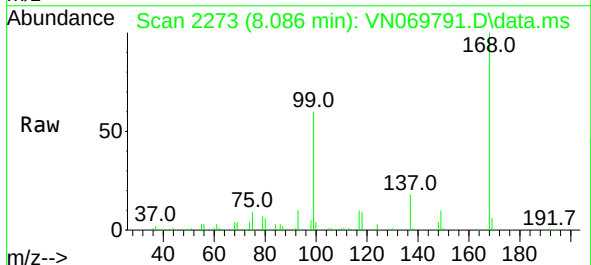
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-4

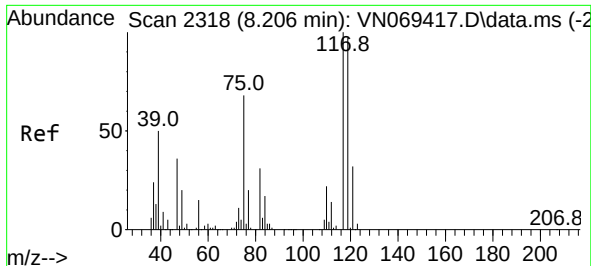
Tgt Ion:113 Resp: 659925  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.2 123.2  
192 19.0 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 5.103 ug/l  
RT: 8.086 min Scan# 2273  
Delta R.T. -0.137 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 75 Resp: 109063  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.4 55.2#  
77 0.0 24.4 36.6#

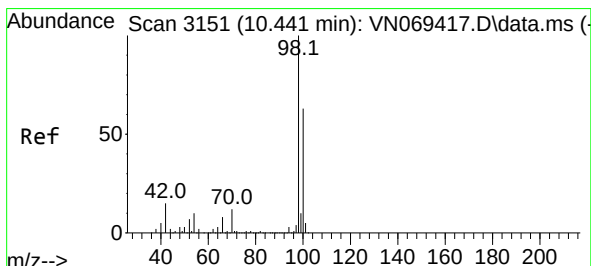
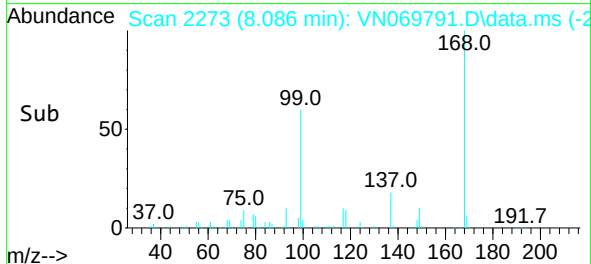
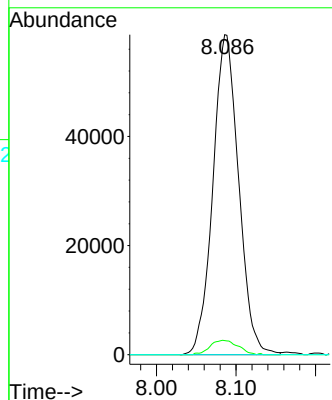
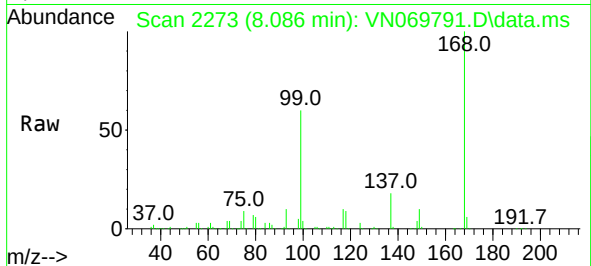




#38  
Carbon Tetrachloride  
Concen: 6.298 ug/l  
RT: 8.086 min Scan# 211  
Delta R.T. -0.121 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

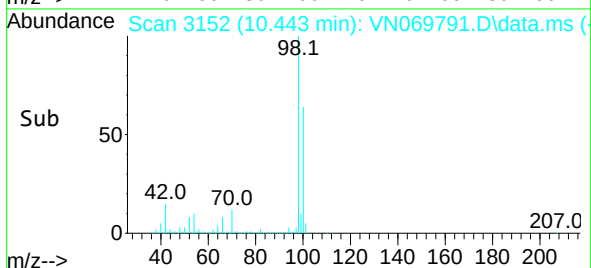
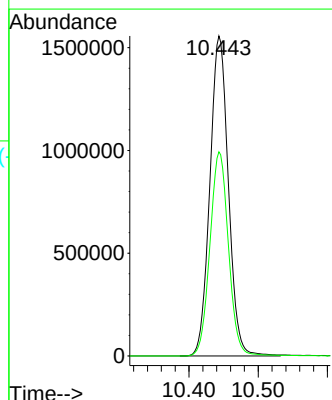
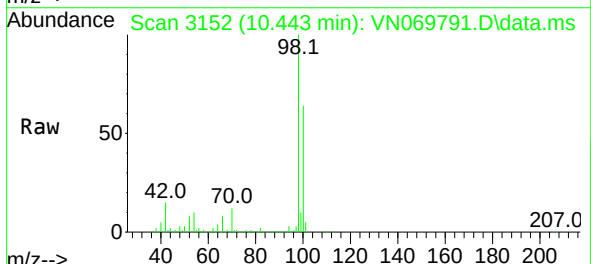
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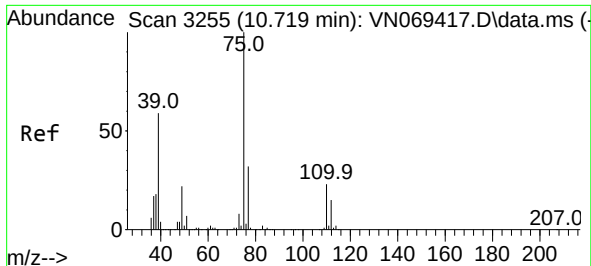
Tgt Ion:117 Resp: 131992  
Ion Ratio Lower Upper  
117 100  
119 4.4 76.1 114.1#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 51.167 ug/l  
RT: 10.443 min Scan# 3152  
Delta R.T. 0.000 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 98 Resp: 2889238  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.4 75.6

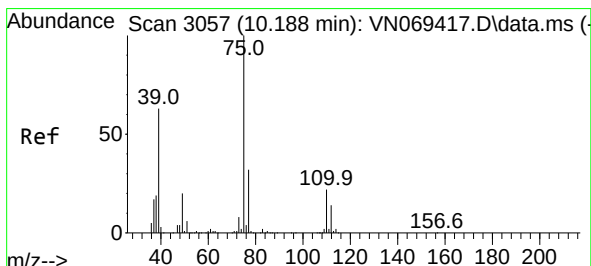
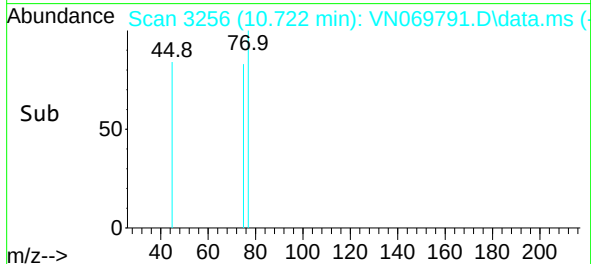
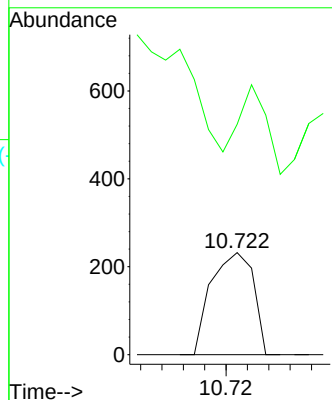
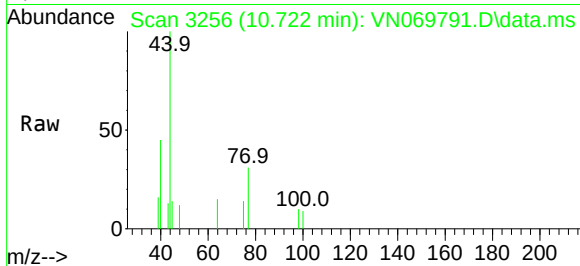




#53  
t-1,3-Dichloropropene  
Concen: 2.799 ug/l  
RT: 10.722 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

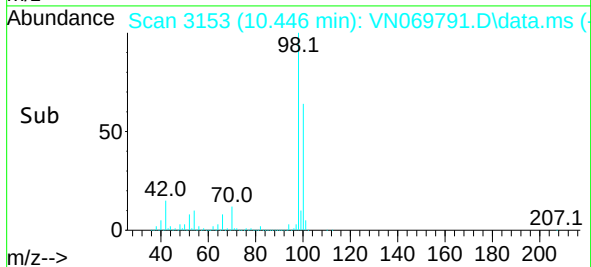
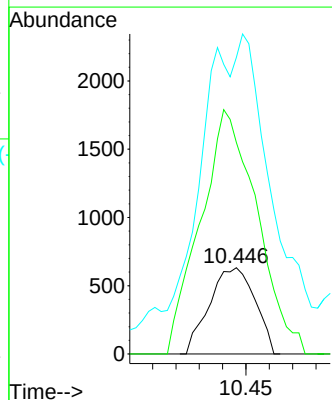
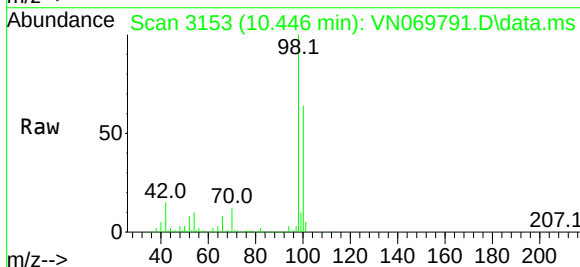
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 128  
Ion Ratio Lower Upper  
75 100  
77 49.1 25.6 38.4#

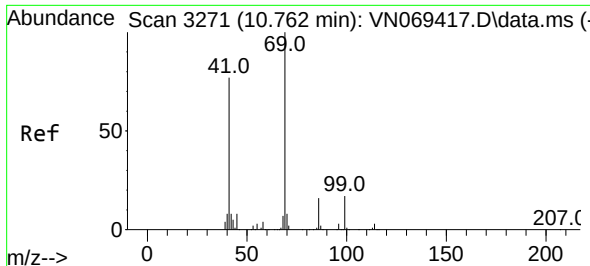


#54  
cis-1,3-Dichloropropene  
Concen: 2.029 ug/l  
RT: 10.446 min Scan# 3153  
Delta R.T. 0.255 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 75 Resp: 859  
Ion Ratio Lower Upper  
75 100  
77 193.7 26.4 39.6#  
39 254.0 42.5 63.7#



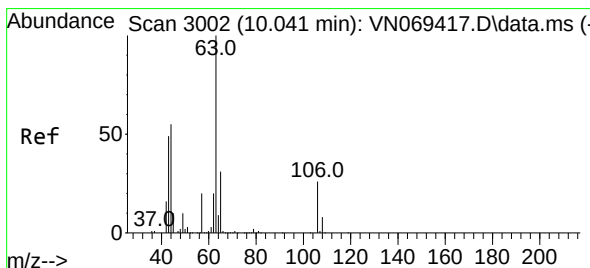
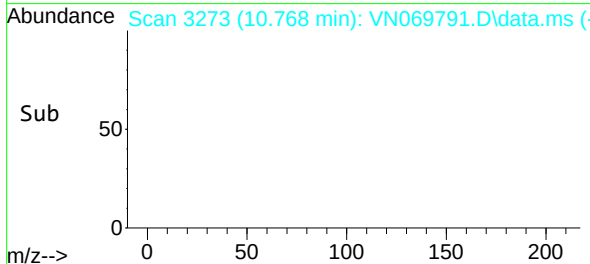
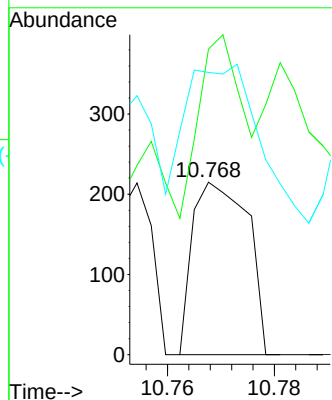
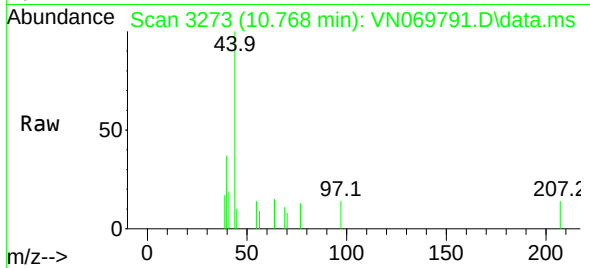




#56  
Ethyl methacrylate  
Concen: 2.284 ug/l  
RT: 10.768 min Scan# 3016  
Delta R.T. 0.006 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

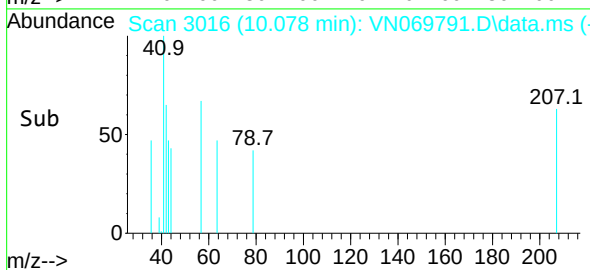
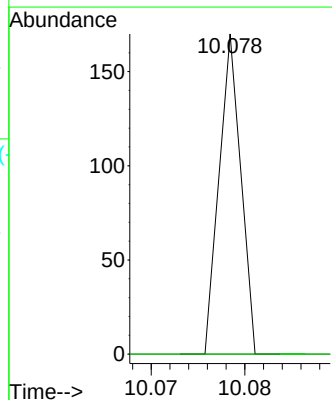
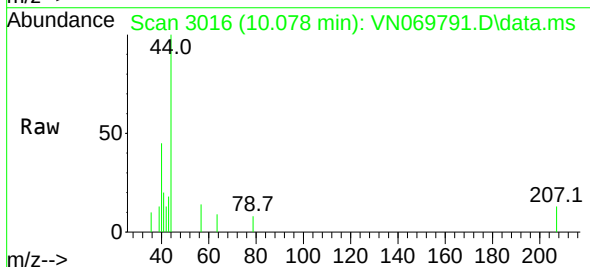
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

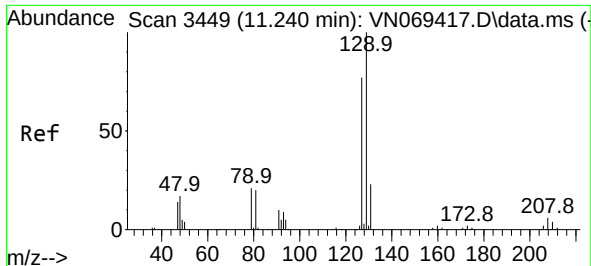
Tgt Ion: 69 Resp: 154  
Ion Ratio Lower Upper  
69 100  
41 83.8 51.4 77.0#  
39 224.0 34.6 52.0#



#58  
2-Chloroethyl Vinyl ether  
Concen: 18.392 ug/l  
RT: 10.078 min Scan# 3016  
Delta R.T. 0.035 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 63 Resp: 27  
Ion Ratio Lower Upper  
63 100  
106 0.0 23.9 35.9#

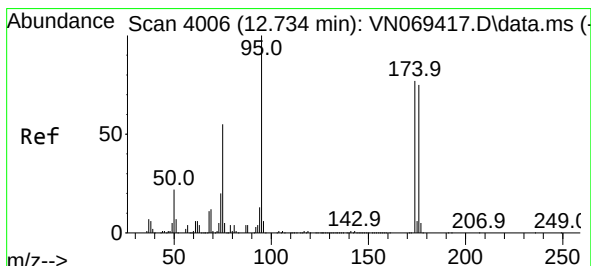
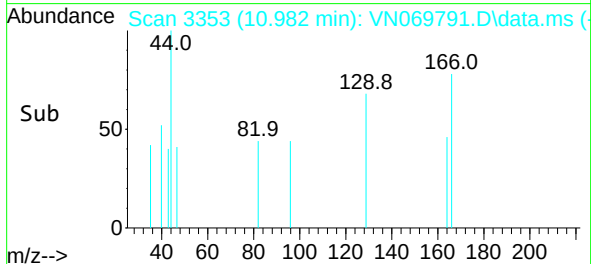
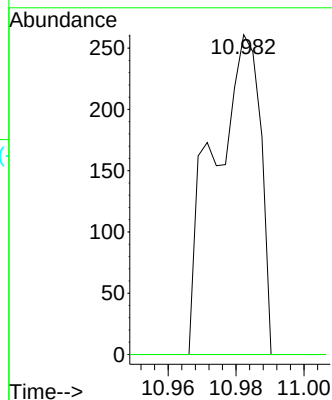
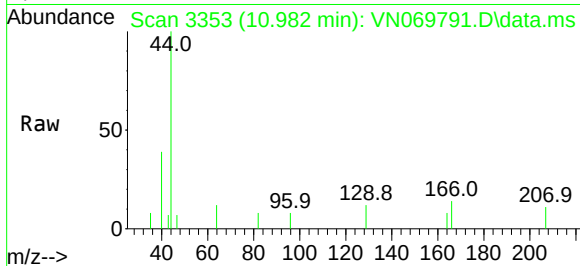




#60  
Dibromochloromethane  
Concen: 2.390 ug/l  
RT: 10.982 min Scan# 31  
Delta R.T. -0.258 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

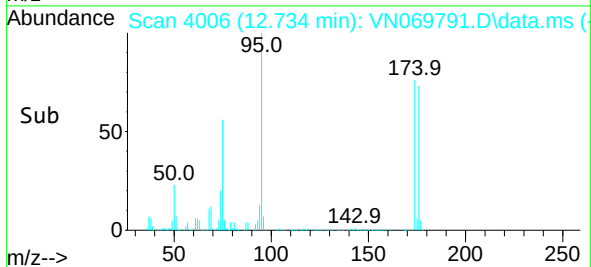
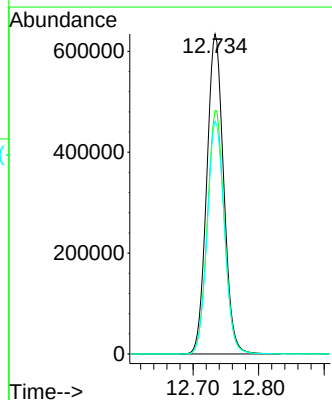
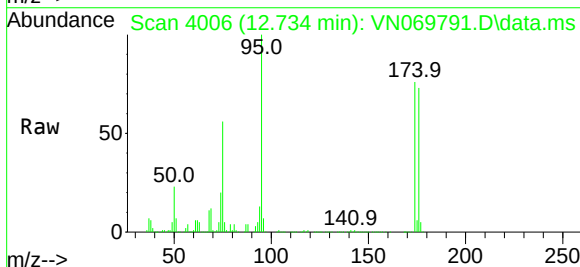
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

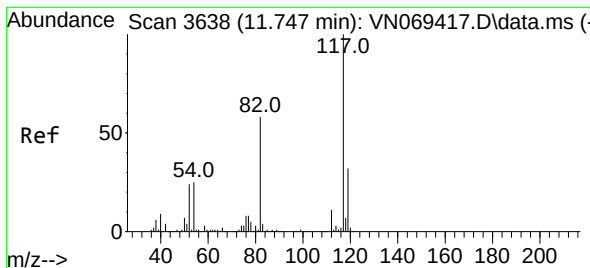
Tgt Ion:129 Resp: 249  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 116.0#



#62  
4-Bromofluorobenzene  
Concen: 55.478 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.003 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion: 95 Resp: 1134913  
Ion Ratio Lower Upper  
95 100  
174 76.4 0.0 187.2  
176 73.3 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 30

Delta R.T. 0.001 min

Lab File: VN069791.D

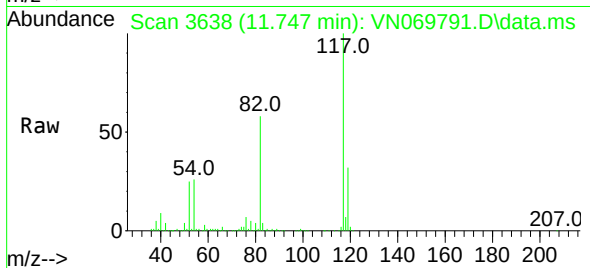
Acq: 6 Dec 2021 18:27

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4



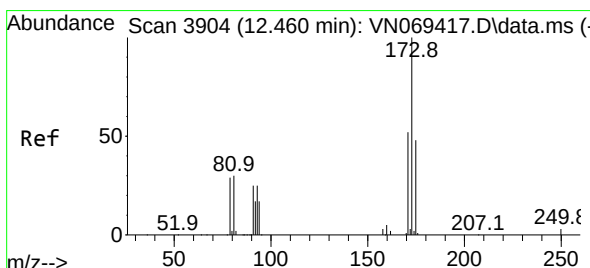
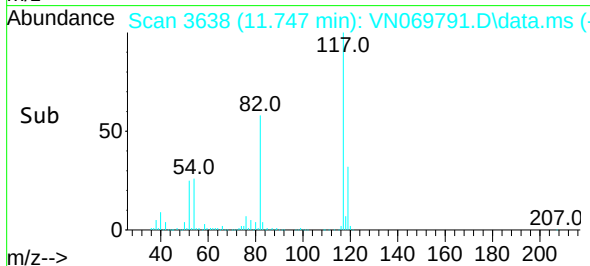
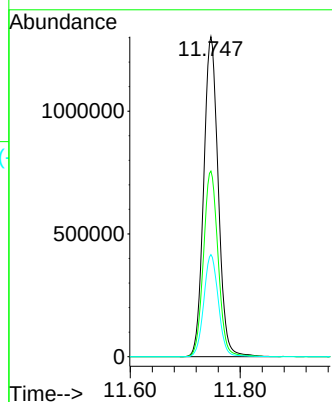
Tgt Ion:117 Resp: 2392019

Ion Ratio Lower Upper

117 100

82 58.0 42.4 63.6

119 31.9 25.4 38.2



#71

Bromoform

Concen: 2.758 ug/l

RT: 12.712 min Scan# 3998

Delta R.T. 0.252 min

Lab File: VN069791.D

Acq: 6 Dec 2021 18:27

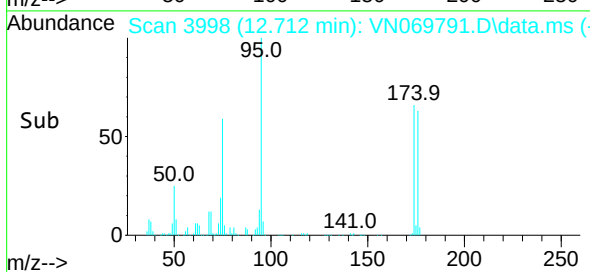
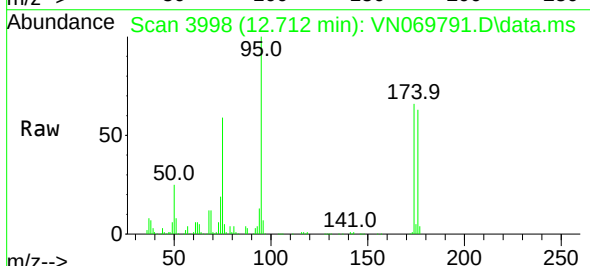
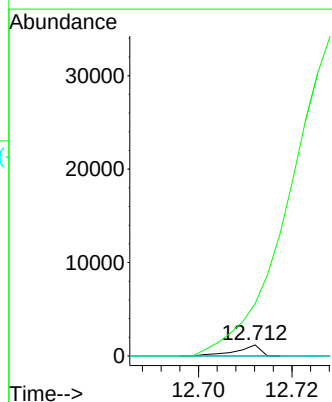
Tgt Ion:173 Resp: 417

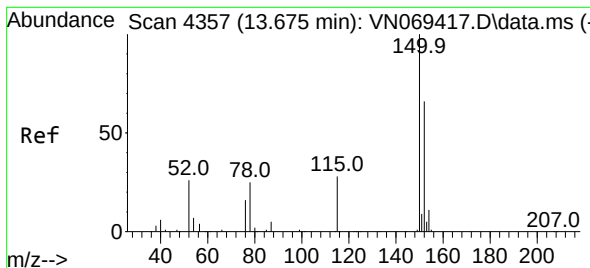
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.678 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN069791.D

Acq: 6 Dec 2021 18:27

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

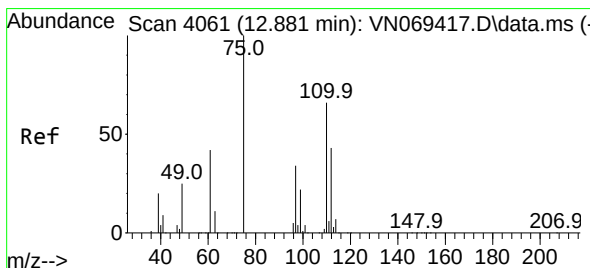
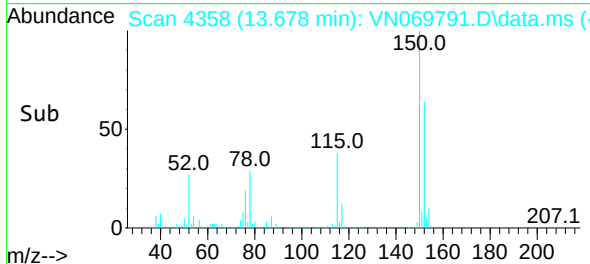
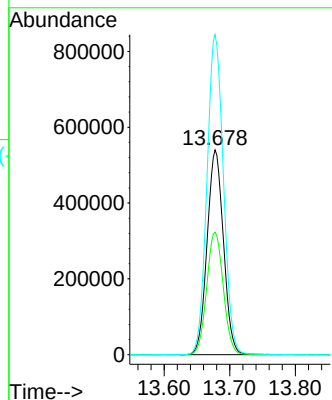
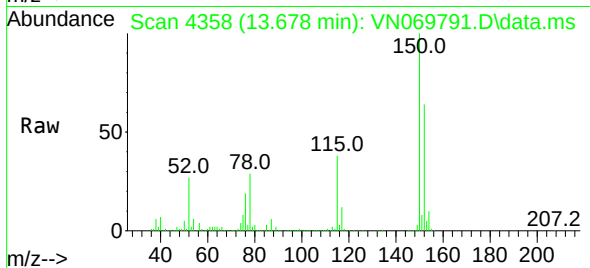
Tgt Ion:152 Resp: 935036

Ion Ratio Lower Upper

152 100

115 60.6 27.5 82.5

150 157.1 0.0 344.4



#76

1,2,3-Trichloropropane

Concen: 23.627 ug/l

RT: 12.734 min Scan# 4006

Delta R.T. -0.147 min

Lab File: VN069791.D

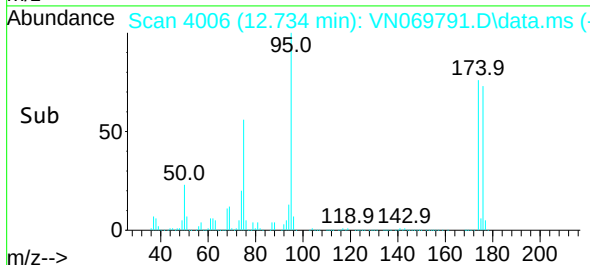
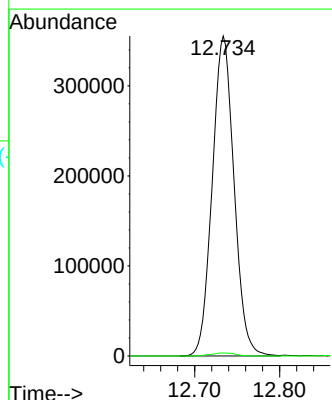
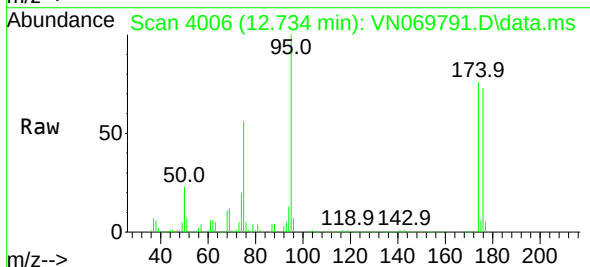
Acq: 6 Dec 2021 18:27

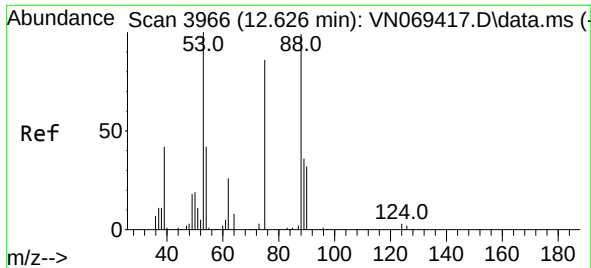
Tgt Ion: 75 Resp: 633545

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#

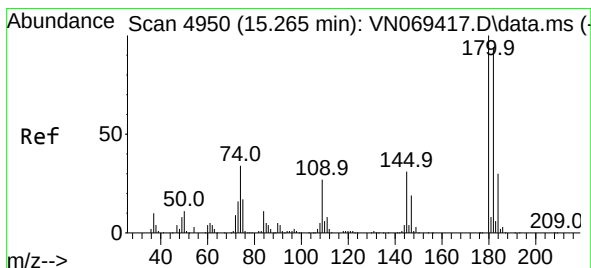
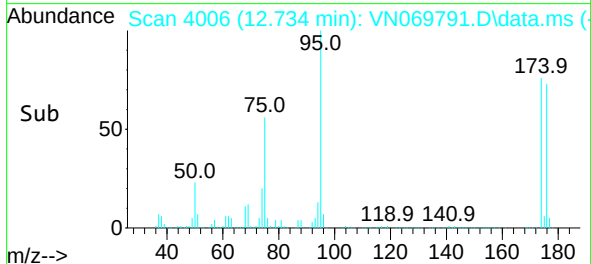
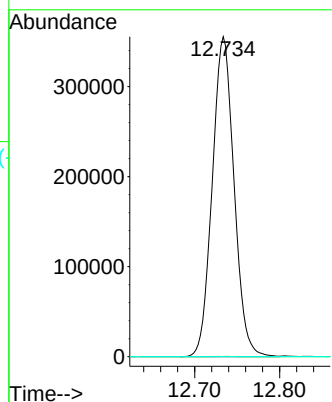
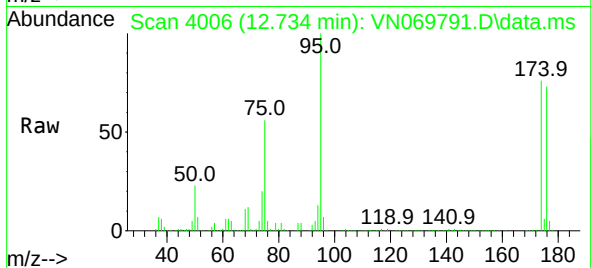




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.108 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. 0.108 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

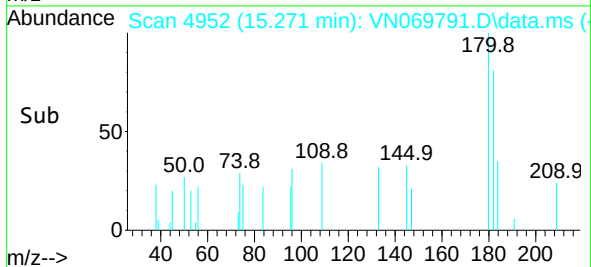
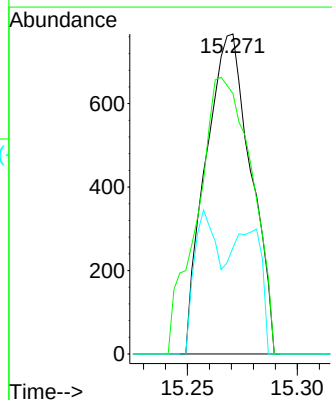
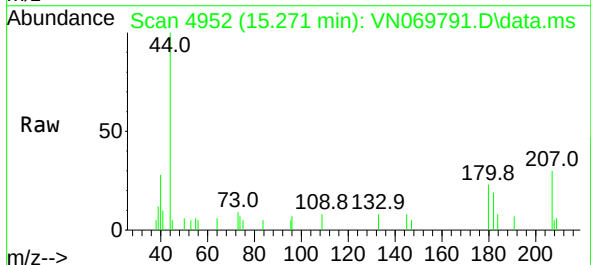
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

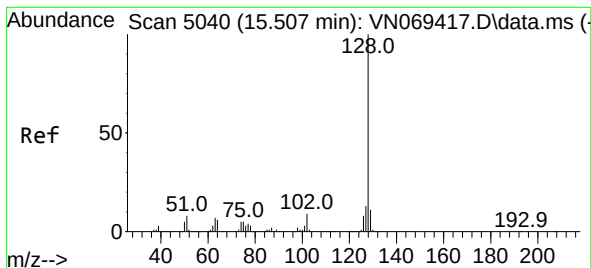
Tgt Ion: 75 Resp: 633545  
Ion Ratio Lower Upper  
75 100  
53 0.1 90.5 135.7#  
89 0.0 38.2 57.4#



#93  
1,2,4-Trichlorobenzene  
Concen: 2.945 ug/l  
RT: 15.271 min Scan# 4952  
Delta R.T. 0.006 min  
Lab File: VN069791.D  
Acq: 6 Dec 2021 18:27

Tgt Ion:180 Resp: 1092  
Ion Ratio Lower Upper  
180 100  
182 104.2 48.3 144.9  
145 23.4 14.5 43.5





#95

Naphthalene

Concen: 4.158 ug/l

RT: 15.504 min Scan# 5040

Delta R.T. -0.003 min

Lab File: VN069791.D

Acq: 6 Dec 2021 18:27

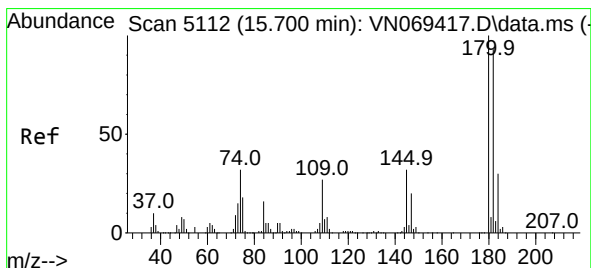
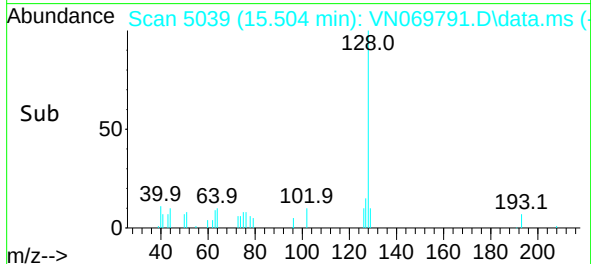
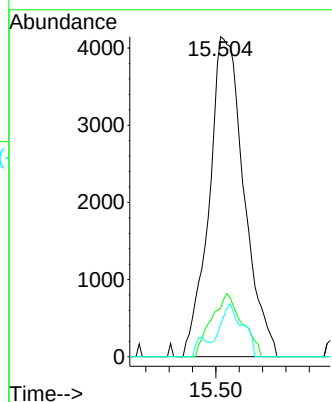
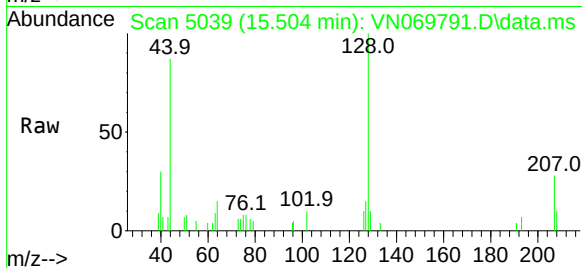
Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:128 | Resp: | 8563       |
| Ion Ratio   | Lower | Upper      |
| 128         | 100   |            |
| 127         | 17.5  | 10.5 15.7# |
| 129         | 10.6  | 8.7 13.1   |



#96

1,2,3-Trichlorobenzene

Concen: 2.529 ug/l

RT: 15.705 min Scan# 5114

Delta R.T. 0.003 min

Lab File: VN069791.D

Acq: 6 Dec 2021 18:27

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 1465       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 52.7  | 47.4 142.2 |
| 145         | 15.4  | 15.0 45.1  |

