

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030823\  
 Data File : VN076880.D  
 Acq On : 08 Mar 2023 12:44  
 Operator : JC\MD  
 Sample : 01837-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-01-030723

Quant Time: Mar 09 03:21:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N030623W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 07 08:45:33 2023  
 Response via : Initial Calibration

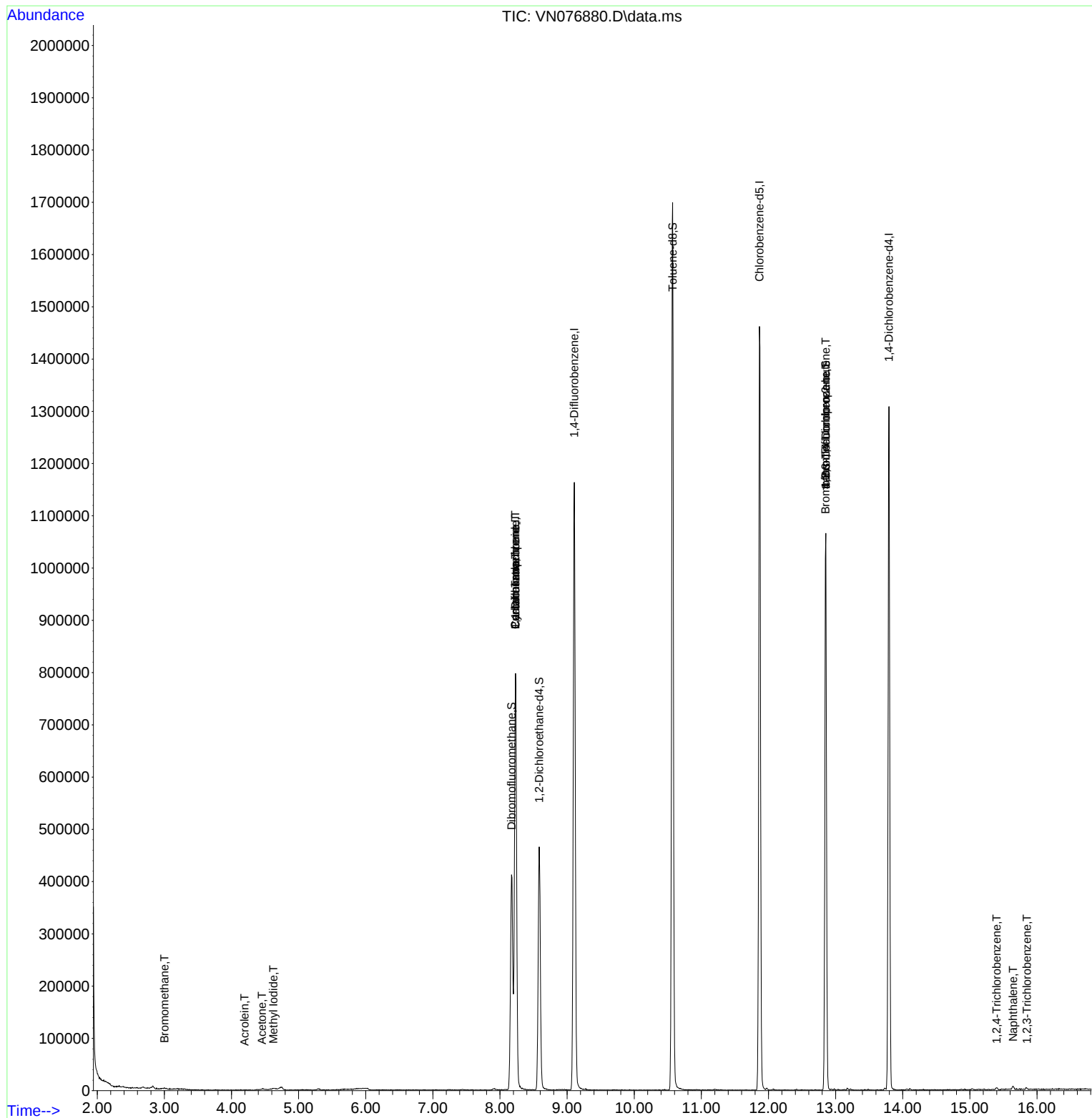
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 8.231          | 168  | 585154     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 9.107          | 114  | 1020780    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.866         | 117  | 874420     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.795         | 152  | 341605     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.583          | 65   | 385459     | 46.984    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = | 93.960%   |        |          |
| 35) Dibromofluoromethane      | 8.172          | 113  | 309545     | 48.474    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 96.940%   |        |          |
| 50) Toluene-d8                | 10.572         | 98   | 1199161    | 48.742    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = | 97.480%   |        |          |
| 62) 4-Bromofluorobenzene      | 12.854         | 95   | 394110     | 46.229    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 92.460%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        | Qvalue   |
| 5) Bromomethane               | 3.001          | 94   | 1767       | 0.328     | ug/l # | 77       |
| 6) Chloroethane               | 3.119          | 64   | 70         | Below Cal | #      | 42       |
| 10) Methyl Iodide             | 4.625          | 142  | 2666       | 0.365     | ug/l # | 79       |
| 13) Acrolein                  | 4.196          | 56   | 362        | 0.230     | ug/l # | 34       |
| 16) Acetone                   | 4.454          | 43   | 2808       | 0.784     | ug/l   | 94       |
| 31) Cyclohexane               | 8.231          | 56   | 13177      | 0.951     | ug/l # | 12       |
| 36) 1,1-Dichloropropene       | 8.231          | 75   | 49805      | 4.853     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 8.231          | 117  | 62868      | 6.030     | ug/l # | 17       |
| 71) Bromoform                 | 12.848         | 173  | 2177       | 0.468     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.854         | 75   | 201462     | 23.385    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.854         | 75   | 201462     | 77.122    | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene    | 15.401         | 180  | 1268       | 0.208     | ug/l   | 70       |
| 95) Naphthalene               | 15.642         | 128  | 6069       | 0.311     | ug/l # | 93       |
| 96) 1,2,3-Trichlorobenzene    | 15.848         | 180  | 1805       | 0.301     | ug/l   | 76       |
| -----                         |                |      |            |           |        |          |

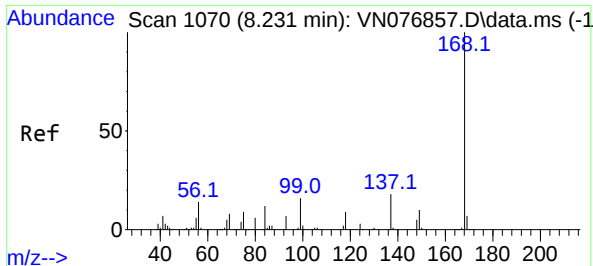
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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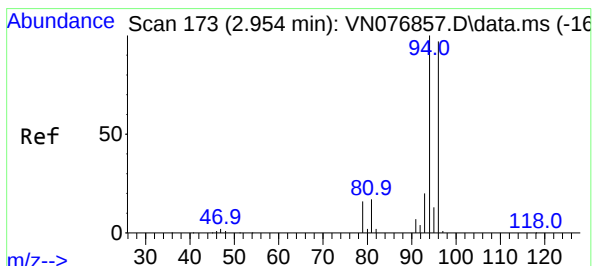
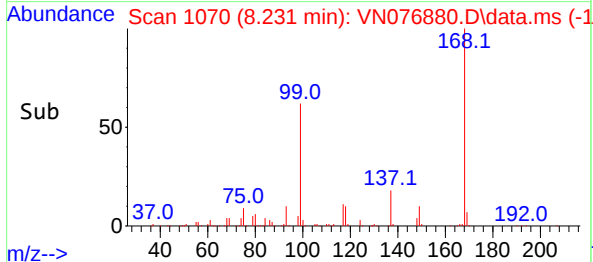
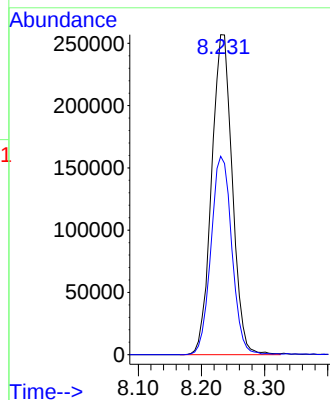
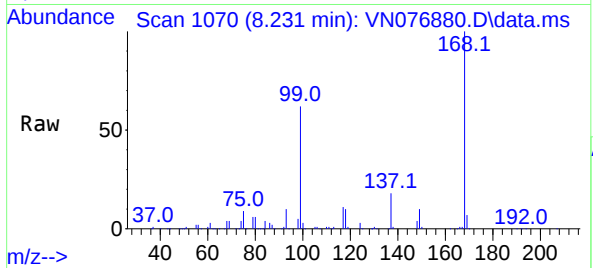




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.231 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

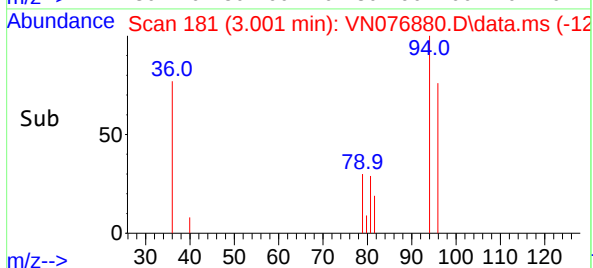
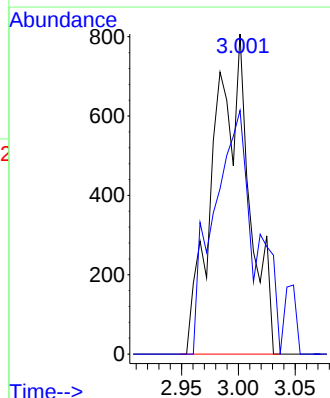
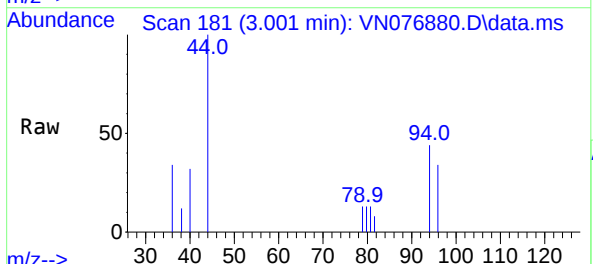
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

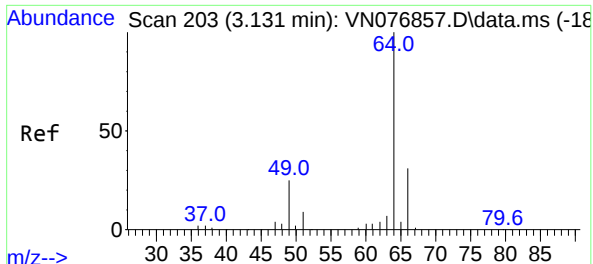
Tgt Ion:168 Resp: 585154  
Ion Ratio Lower Upper  
168 100  
99 62.0 48.6 73.0



#5  
Bromomethane  
Concen: 0.328 ug/l  
RT: 3.001 min Scan# 181  
Delta R.T. 0.047 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 94 Resp: 1767  
Ion Ratio Lower Upper  
94 100  
96 76.1 79.0 118.6#

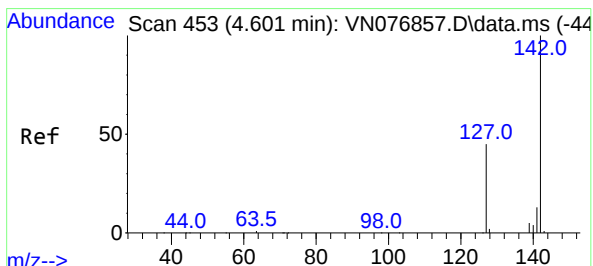
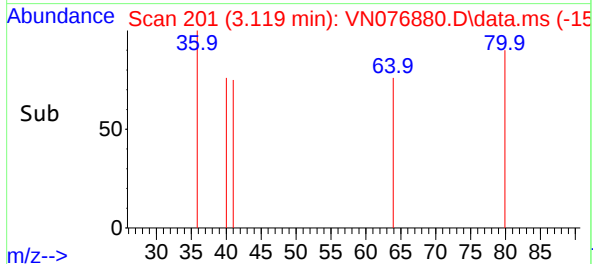
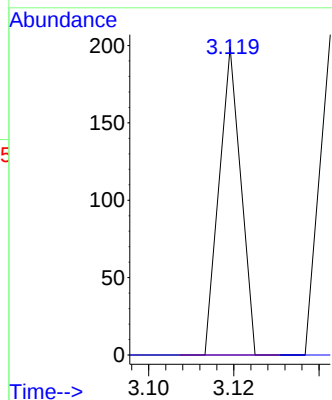
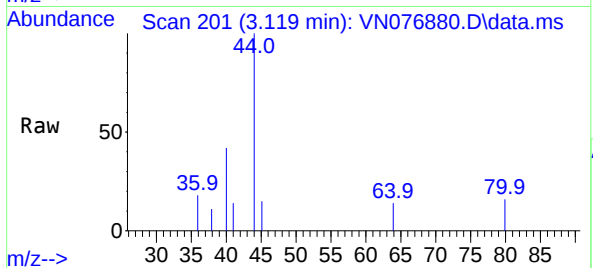




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.119 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

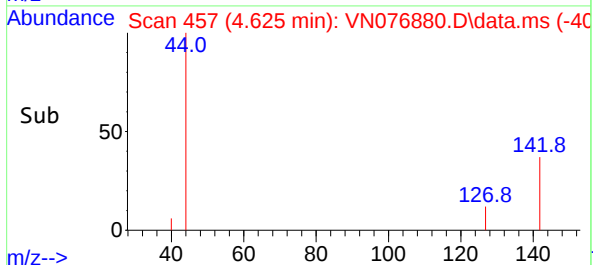
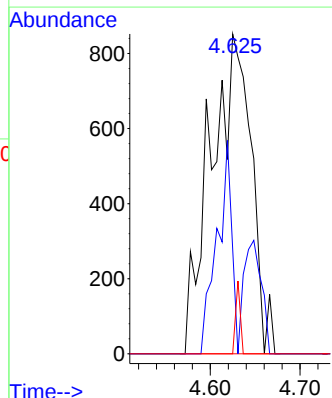
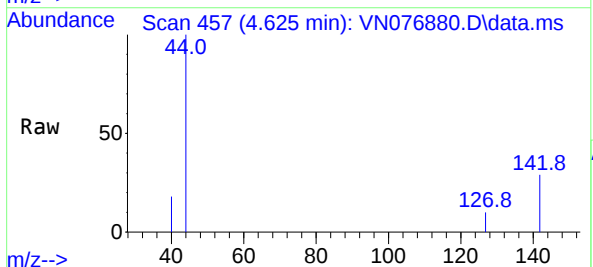
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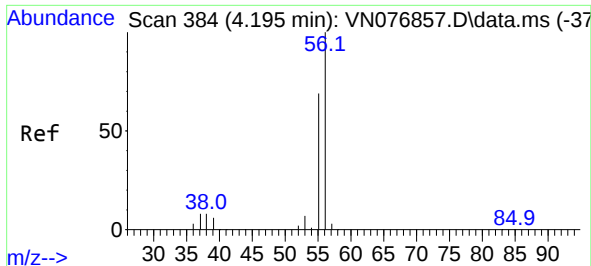
Tgt Ion: 64 Resp: 70  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#10  
Methyl Iodide  
Concen: 0.365 ug/l  
RT: 4.625 min Scan# 457  
Delta R.T. 0.024 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion:142 Resp: 2666  
Ion Ratio Lower Upper  
142 100  
127 32.7 35.2 52.8#  
141 0.0 10.2 15.2#

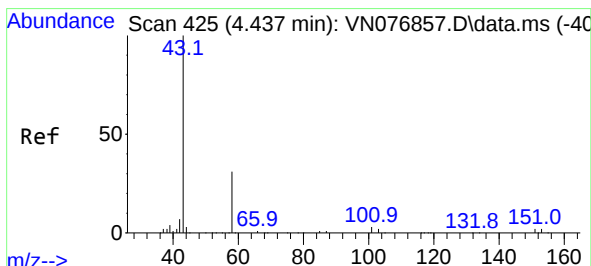
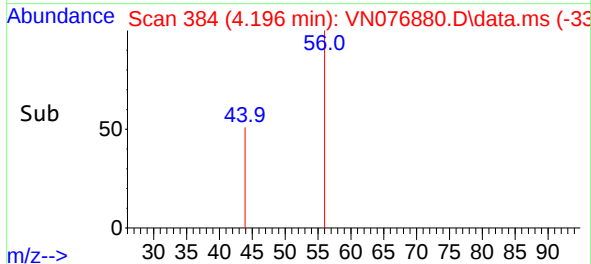
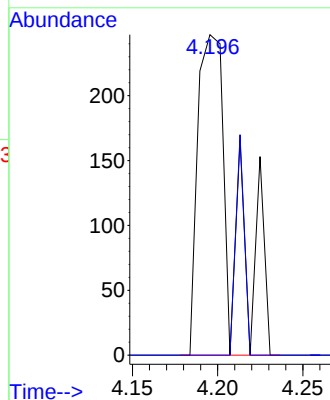
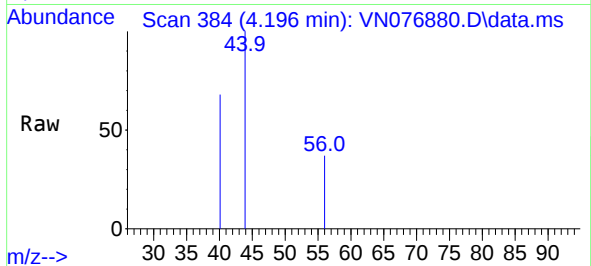




#13  
Acrolein  
Concen: 0.230 ug/l  
RT: 4.196 min Scan# 384  
Delta R.T. 0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

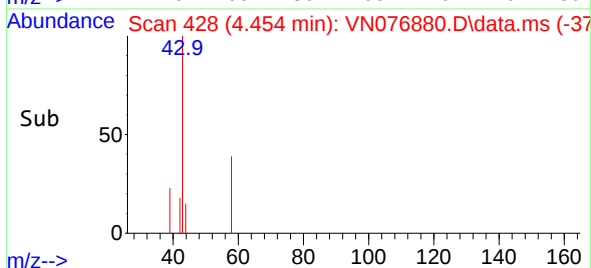
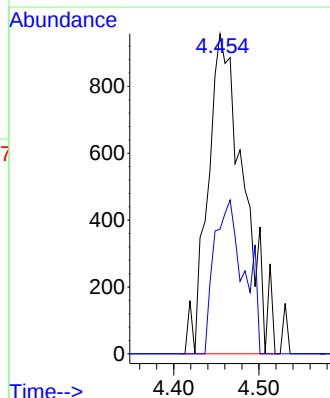
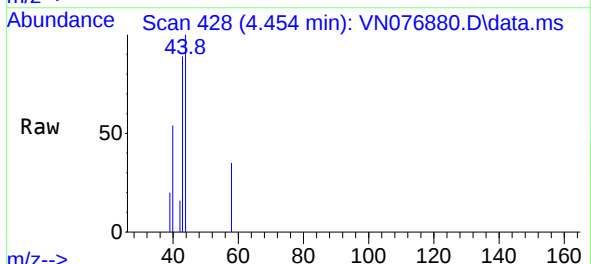
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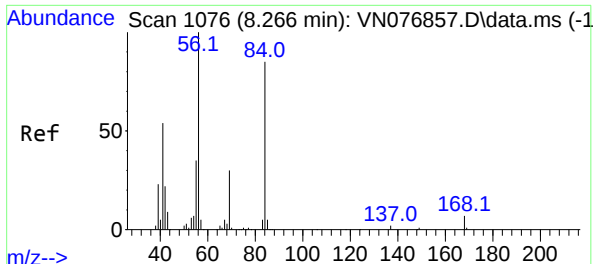
Tgt Ion: 56 Resp: 362  
Ion Ratio Lower Upper  
56 100  
55 16.6 56.7 85.1#



#16  
Acetone  
Concen: 0.784 ug/l  
RT: 4.454 min Scan# 428  
Delta R.T. 0.017 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 43 Resp: 2808  
Ion Ratio Lower Upper  
43 100  
58 39.0 28.2 42.2

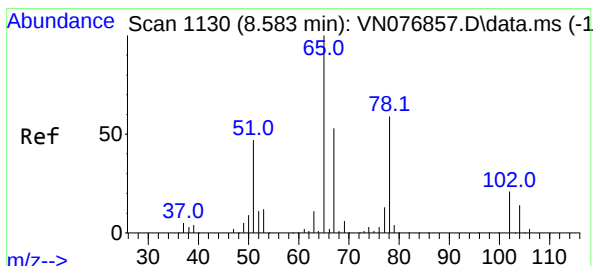
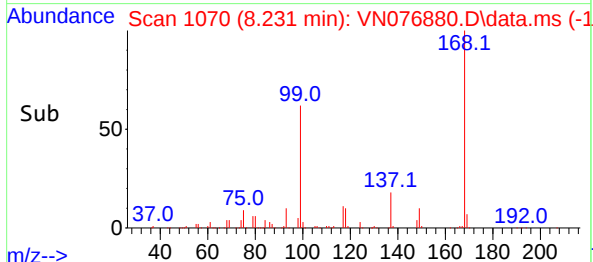
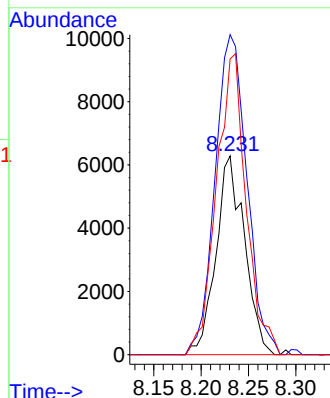
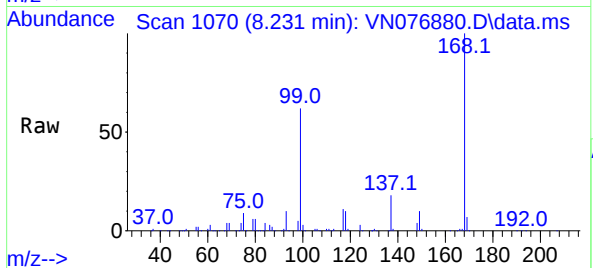




#31  
Cyclohexane  
Concen: 0.951 ug/l  
RT: 8.231 min Scan# 1076  
Delta R.T. -0.035 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

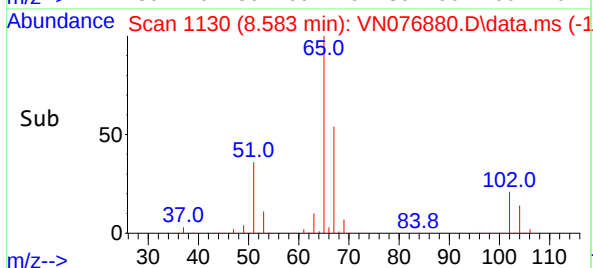
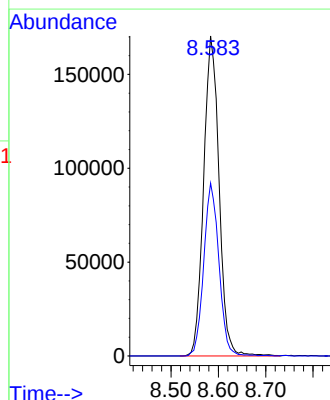
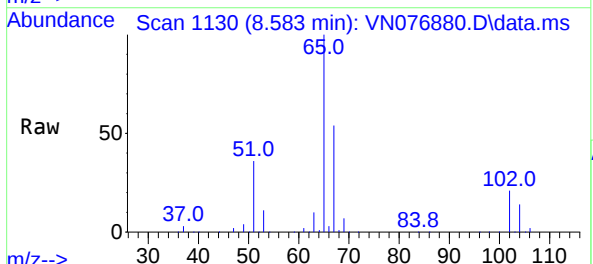
Instrument :  
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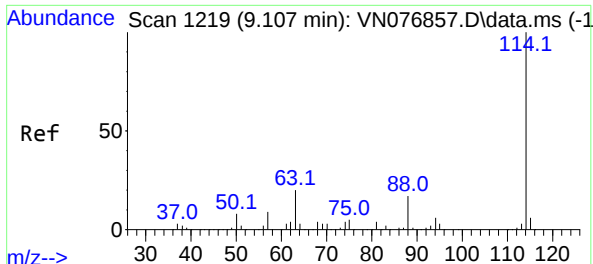
Tgt Ion: 56 Resp: 13177  
Ion Ratio Lower Upper  
56 100  
69 161.1 27.0 40.6#  
84 148.8 82.9 124.3#



#33  
1,2-Dichloroethane-d4  
Concen: 46.984 ug/l  
RT: 8.583 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 65 Resp: 385459  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 107.2

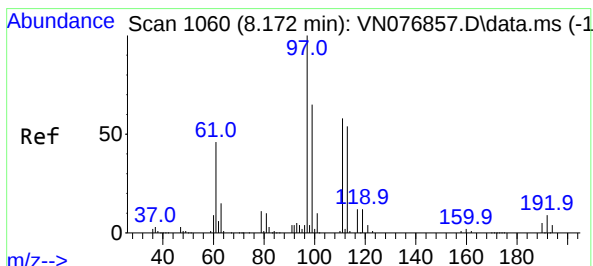
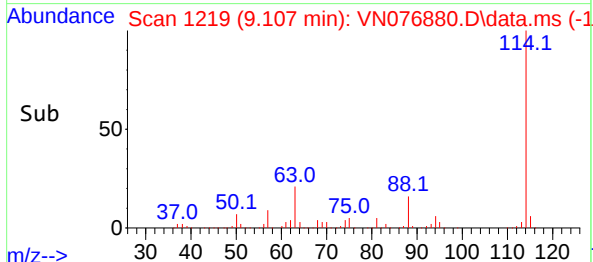
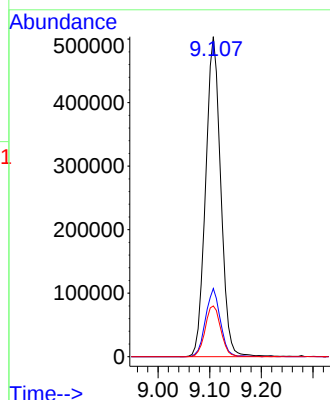
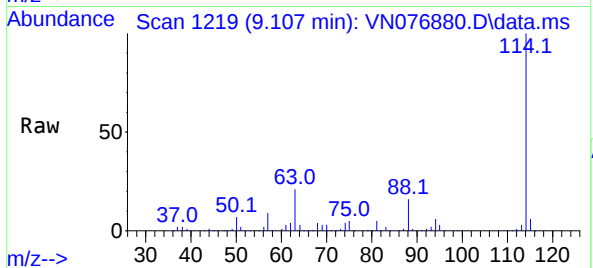




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 9.107 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

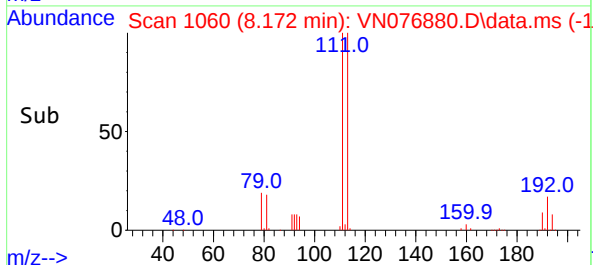
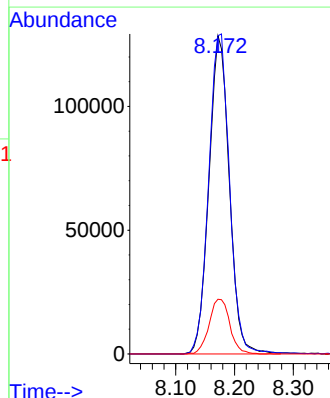
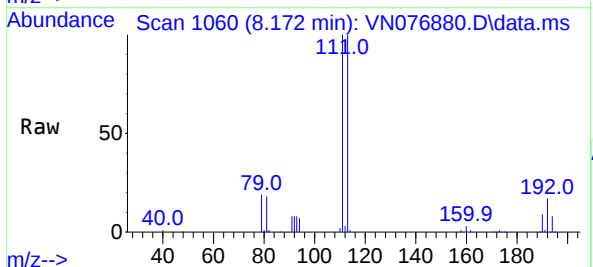
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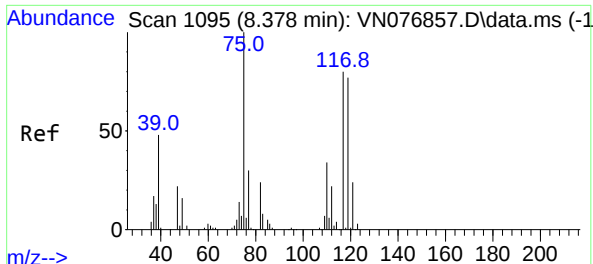
Tgt Ion:114 Resp: 1020780  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 36.6  
88 15.9 0.0 28.6



#35  
Dibromofluoromethane  
Concen: 48.474 ug/l  
RT: 8.172 min Scan# 1060  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion:113 Resp: 309545  
Ion Ratio Lower Upper  
113 100  
111 102.7 81.8 122.8  
192 17.5 13.9 20.9

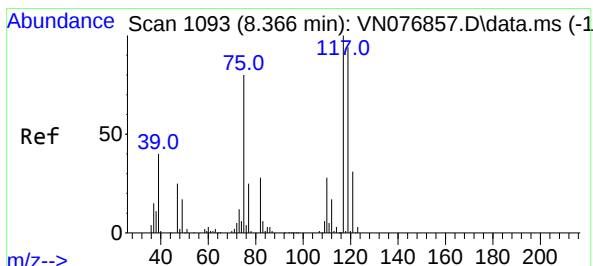
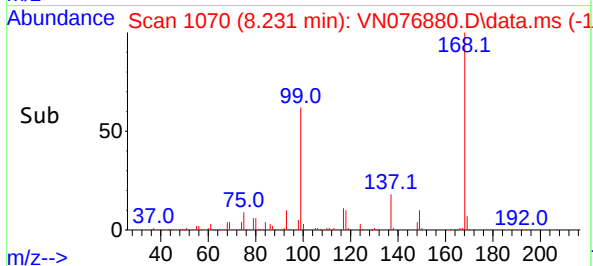
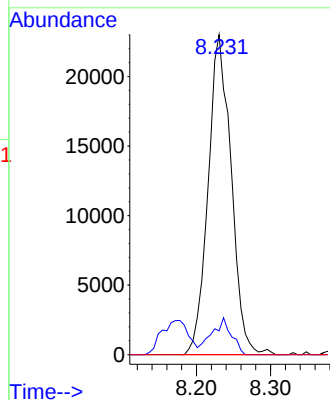
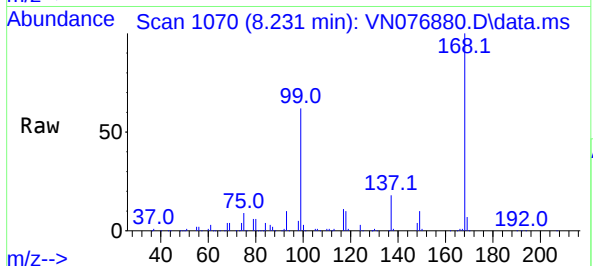




#36  
1,1-Dichloropropene  
Concen: 4.853 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.147 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

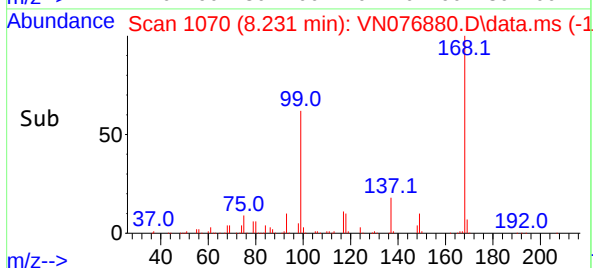
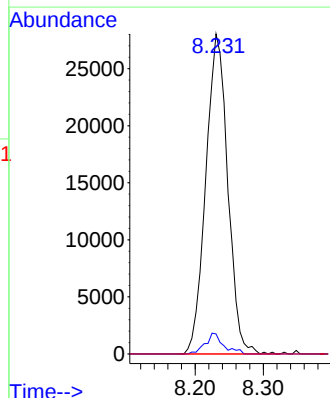
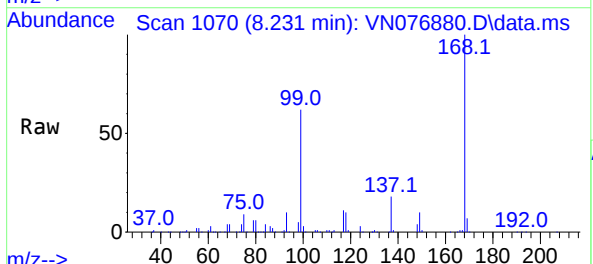
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TB-01-030723

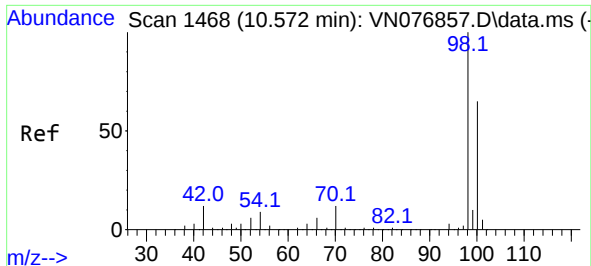
Tgt Ion: 75 Resp: 49805  
Ion Ratio Lower Upper  
75 100  
110 9.9 18.9 56.9#  
77 0.0 24.9 37.3#



#38  
Carbon Tetrachloride  
Concen: 6.030 ug/l  
RT: 8.231 min Scan# 1070  
Delta R.T. -0.135 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 117 Resp: 62868  
Ion Ratio Lower Upper  
117 100  
119 6.2 76.9 115.3#  
121 0.0 23.2 34.8#

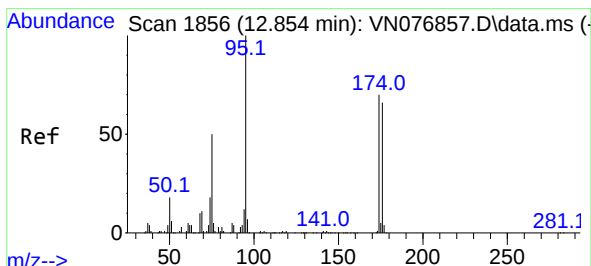
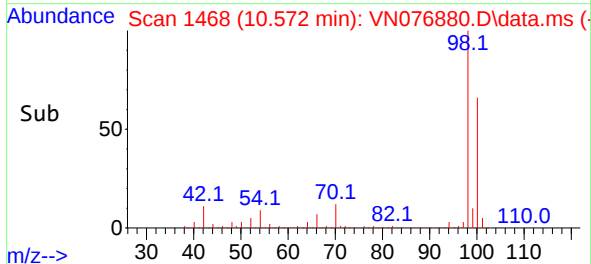
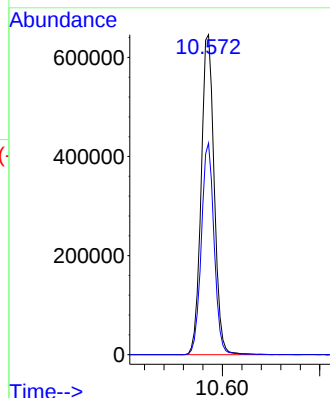
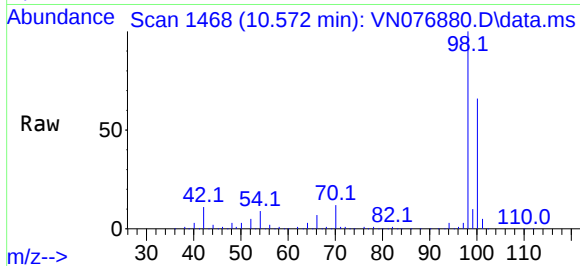




#50  
Toluene-d8  
Concen: 48.742 ug/l  
RT: 10.572 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

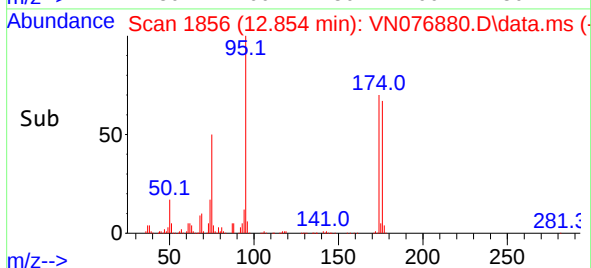
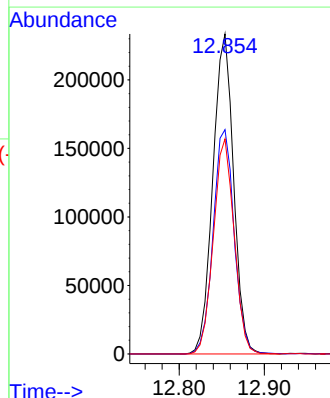
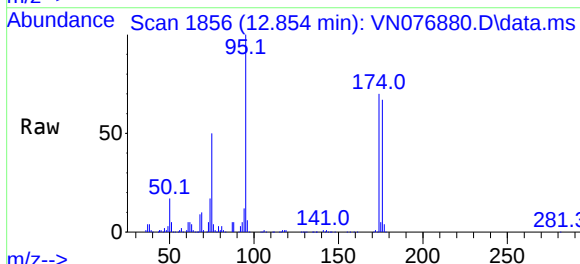
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

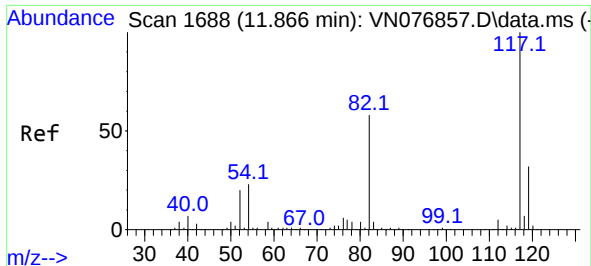
Tgt Ion: 98 Resp: 1199161  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.229 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 95 Resp: 394110  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 162.4  
176 67.2 0.0 157.4

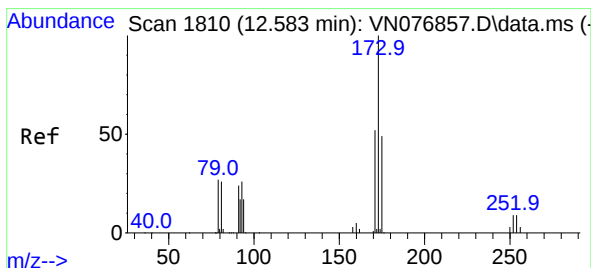
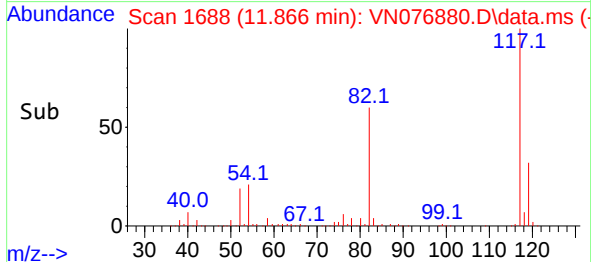
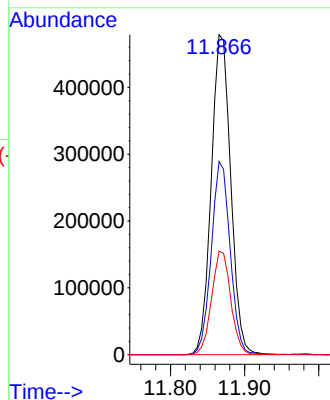
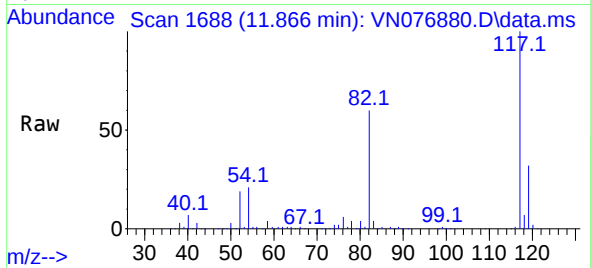




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.866 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

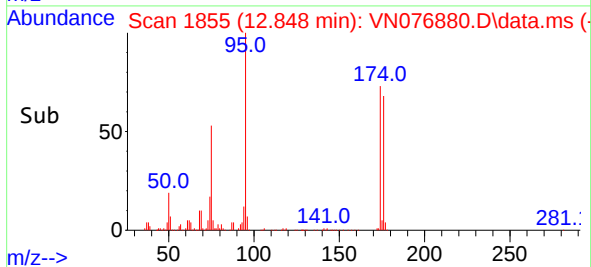
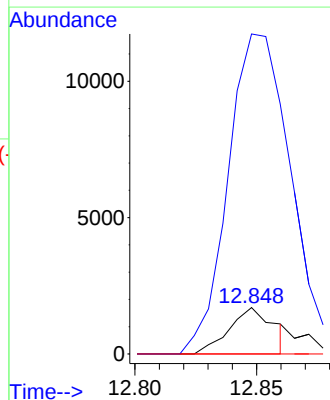
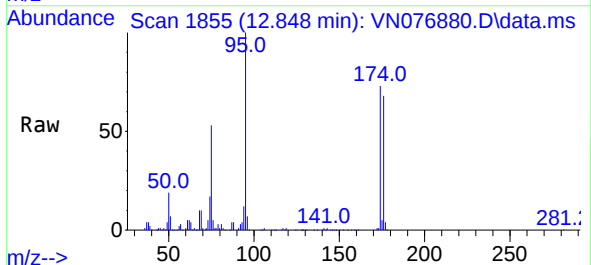
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

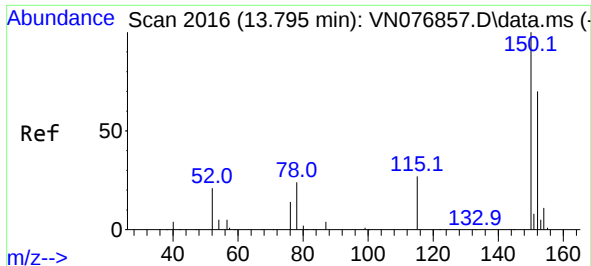
Tgt Ion:117 Resp: 874420  
Ion Ratio Lower Upper  
117 100  
82 60.3 43.5 65.3  
119 32.3 25.5 38.3



#71  
Bromoform  
Concen: 0.468 ug/l  
RT: 12.848 min Scan# 1855  
Delta R.T. 0.265 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion:173 Resp: 2177  
Ion Ratio Lower Upper  
173 100  
175 799.6 24.9 74.6#  
254 0.0 0.0 0.0

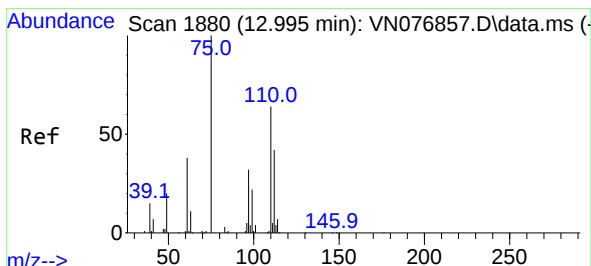
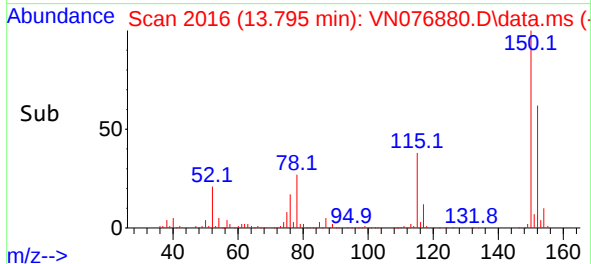
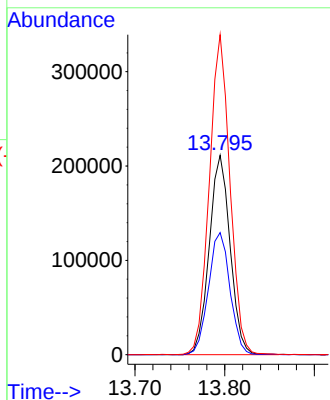
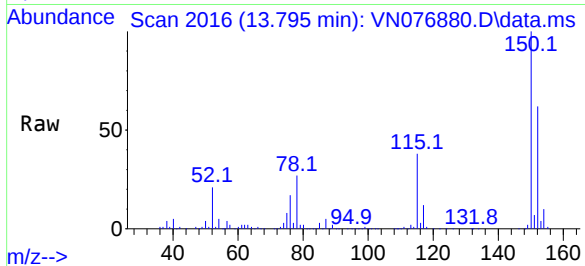




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.795 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

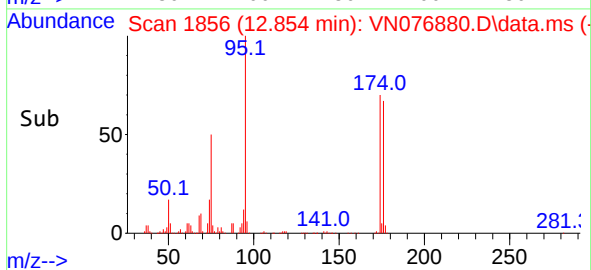
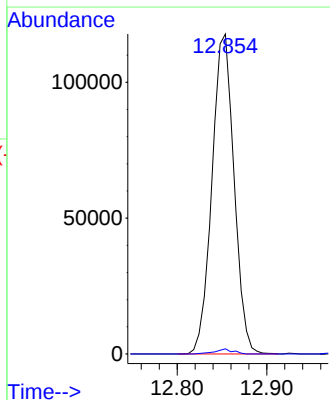
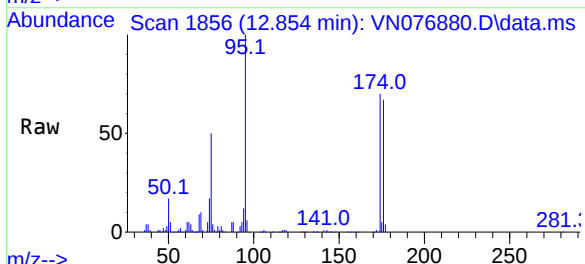
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

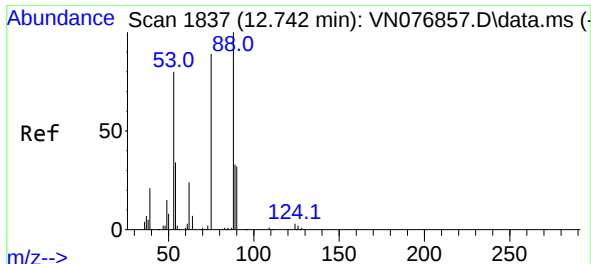
Tgt Ion:152 Resp: 341605  
Ion Ratio Lower Upper  
152 100  
115 63.3 30.3 90.9  
150 158.4 0.0 353.6



#76  
1,2,3-Trichloropropane  
Concen: 23.385 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. -0.141 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 75 Resp: 201462  
Ion Ratio Lower Upper  
75 100  
77 1.3 93.8 281.4#

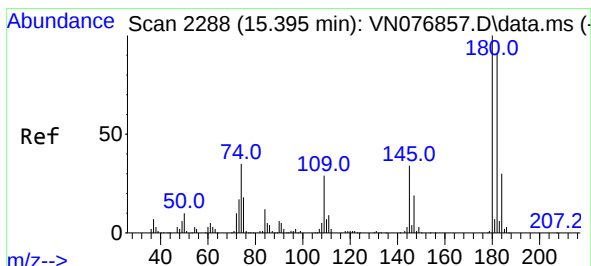
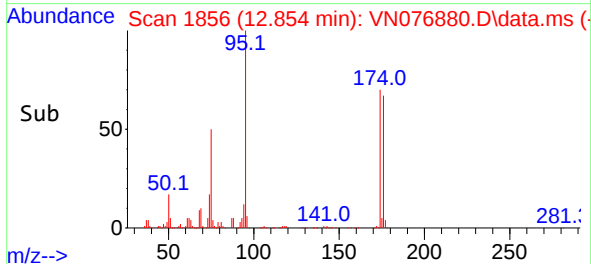
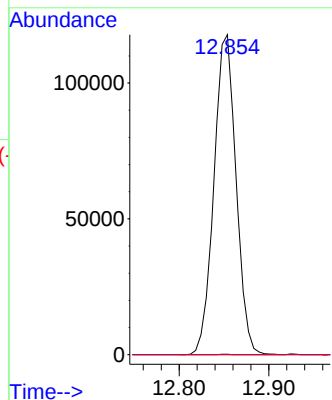
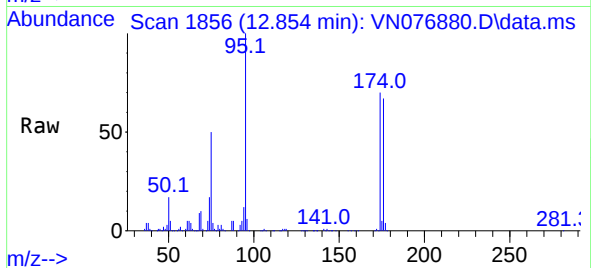




#81  
trans-1,4-Dichloro-2-butene  
Concen: 77.122 ug/l  
RT: 12.854 min Scan# 1856  
Delta R.T. 0.112 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

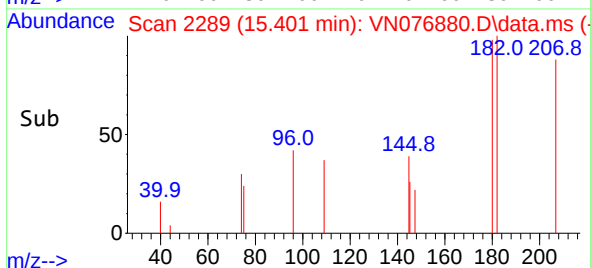
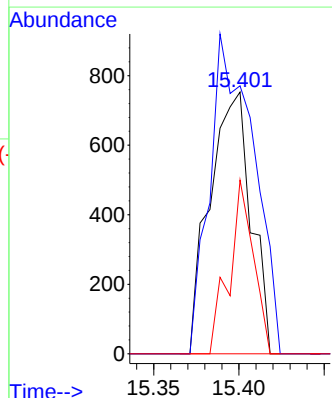
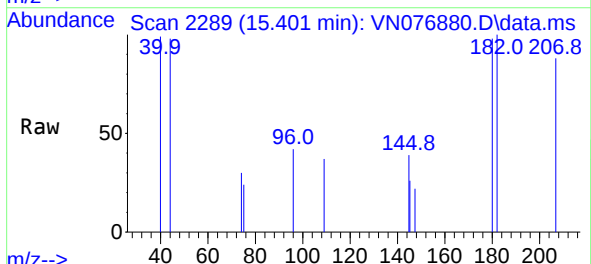
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

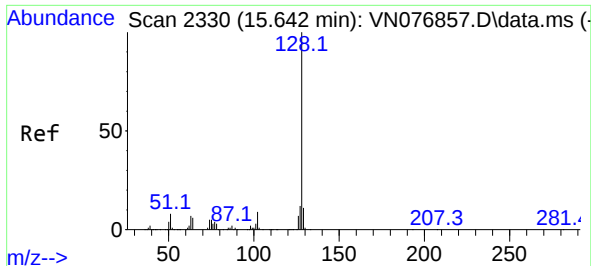
Tgt Ion: 75 Resp: 201462  
Ion Ratio Lower Upper  
75 100  
53 0.1 67.4 101.0#  
89 0.0 39.5 59.3#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.208 ug/l  
RT: 15.401 min Scan# 2289  
Delta R.T. 0.006 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion: 180 Resp: 1268  
Ion Ratio Lower Upper  
180 100  
182 129.6 47.4 142.2  
145 39.0 15.8 47.3

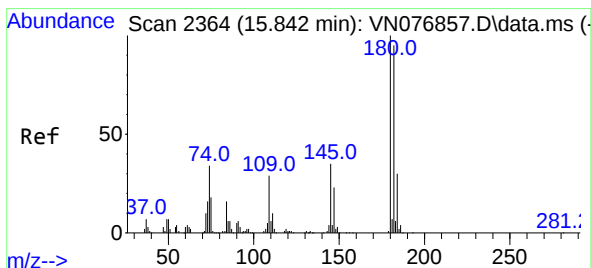
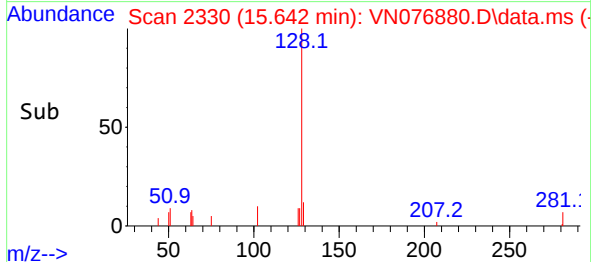
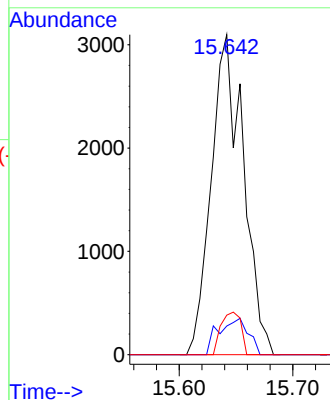
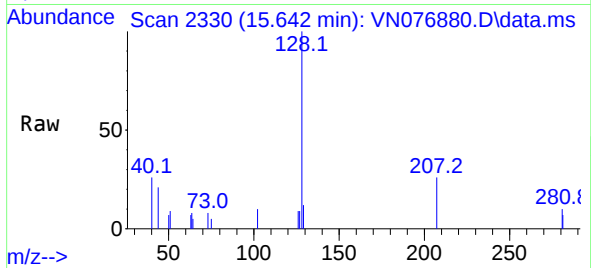




#95  
Naphthalene  
Concen: 0.311 ug/l  
RT: 15.642 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-030723

Tgt Ion:128 Resp: 6069  
Ion Ratio Lower Upper  
128 100  
127 10.5 10.2 15.4  
129 8.3 8.9 13.3#



#96  
1,2,3-Trichlorobenzene  
Concen: 0.301 ug/l  
RT: 15.848 min Scan# 2365  
Delta R.T. 0.006 min  
Lab File: VN076880.D  
Acq: 08 Mar 2023 12:44

Tgt Ion:180 Resp: 1805  
Ion Ratio Lower Upper  
180 100  
182 69.3 47.7 143.1  
145 25.5 17.0 51.0

