

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
 Data File : VN072457.D  
 Acq On : 12 May 2022 16:56  
 Operator : JC\MD  
 Sample : N2800-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-17

Quant Time: May 13 02:46:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 10 15:43:28 2022  
 Response via : Initial Calibration

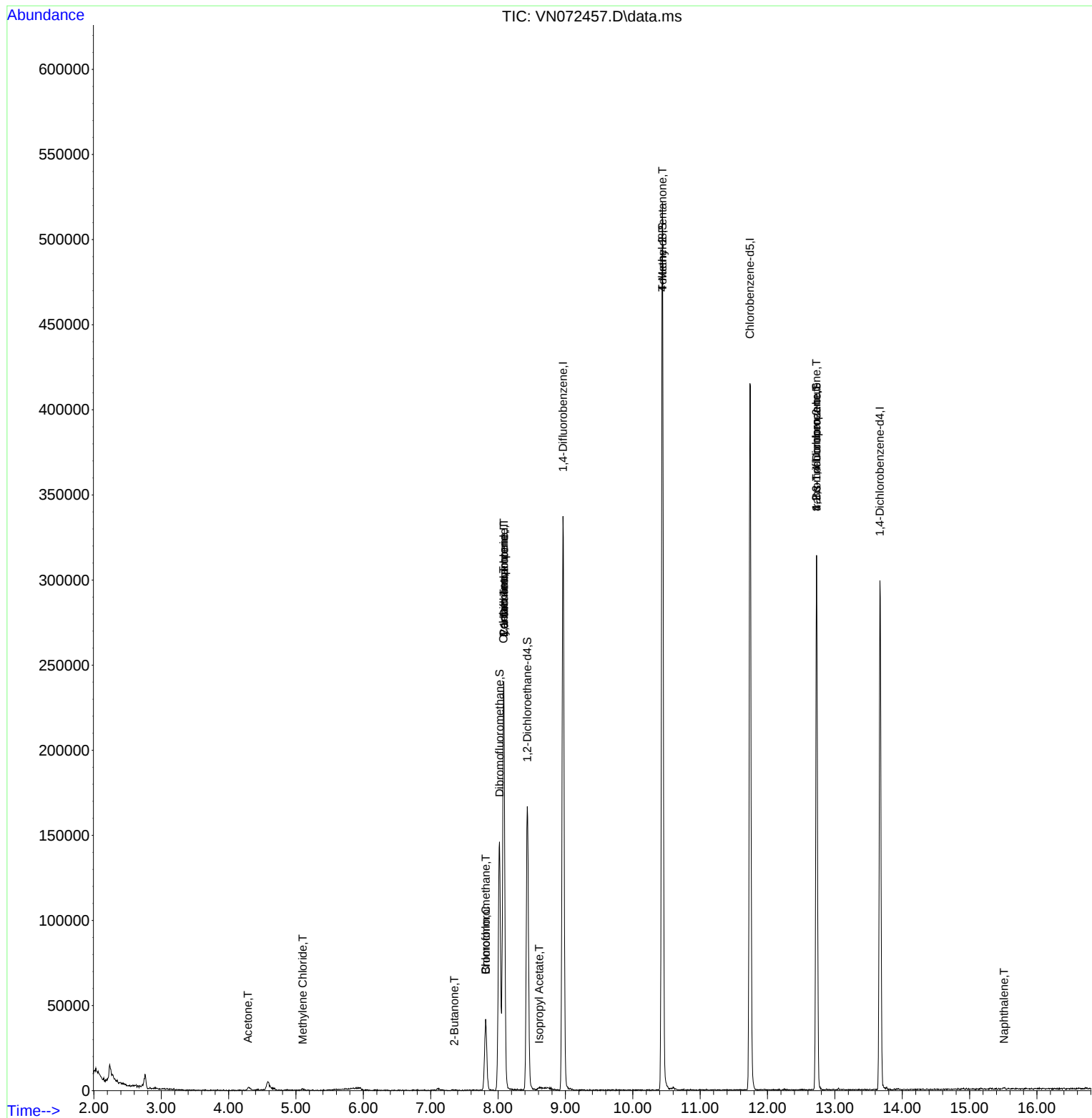
| Compound                      | R.T.   | QIon           | Response | Conc      | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|----------|----------|
| -----                         |        |                |          |           |          |          |
| Internal Standards            |        |                |          |           |          |          |
| 1) Pentafluorobenzene         | 8.086  | 168            | 175659   | 50.000    | ug/l     | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.963  | 114            | 282615   | 50.000    | ug/l     | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117            | 240638   | 50.000    | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.668 | 152            | 82276    | 50.000    | ug/l     | 0.00     |
| System Monitoring Compounds   |        |                |          |           |          |          |
| 33) 1,2-Dichloroethane-d4     | 8.434  | 65             | 155681   | 57.863    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 61 - 141 | Recovery | =         | 115.720% |          |
| 35) Dibromofluoromethane      | 8.022  | 113            | 103830   | 55.222    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 69 - 133 | Recovery | =         | 110.440% |          |
| 50) Toluene-d8                | 10.439 | 98             | 353134   | 49.314    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 65 - 126 | Recovery | =         | 98.620%  |          |
| 62) 4-Bromofluorobenzene      | 12.727 | 95             | 105917   | 44.537    | ug/l     | 0.00     |
| Spiked Amount                 | 50.000 | Range 58 - 135 | Recovery | =         | 89.080%  |          |
| Target Compounds              |        |                |          |           |          |          |
|                               |        |                |          |           | Qvalue   |          |
| 3) Chloromethane              | 2.310  | 50             | 697      | Below Cal | #        | 43       |
| 6) Chloroethane               | 3.010  | 64             | 421      | Below Cal | #        | 42       |
| 16) Acetone                   | 4.287  | 43             | 3220     | 3.022     | ug/l     | 89       |
| 20) Methylene Chloride        | 5.098  | 84             | 543      | 0.249     | ug/l #   | 33       |
| 25) 2-Butanone                | 7.351  | 43             | 401      | 0.238     | ug/l #   | 45       |
| 28) Bromochloromethane        | 7.816  | 49             | 3177     | 1.983     | ug/l #   | 8        |
| 30) Chloroform                | 7.816  | 83             | 38412    | 10.005    | ug/l     | 90       |
| 31) Cyclohexane               | 8.081  | 56             | 3684     | 1.033     | ug/l #   | 22       |
| 36) 1,1-Dichloropropene       | 8.086  | 75             | 14280    | 5.288     | ug/l #   | 51       |
| 38) Carbon Tetrachloride      | 8.086  | 117            | 19243    | 6.367     | ug/l #   | 17       |
| 43) Isopropyl Acetate         | 8.610  | 43             | 1064     | 0.214     | ug/l #   | 53       |
| 51) 4-Methyl-2-Pentanone      | 10.439 | 43             | 1814     | 0.587     | ug/l #   | 1        |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75             | 58395    | 27.212    | ug/l #   | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75             | 58395    | 90.780    | ug/l #   | 10       |
| 95) Naphthalene               | 15.510 | 128            | 930      | 3.398     | ug/l #   | 69       |
| -----                         |        |                |          |           |          |          |

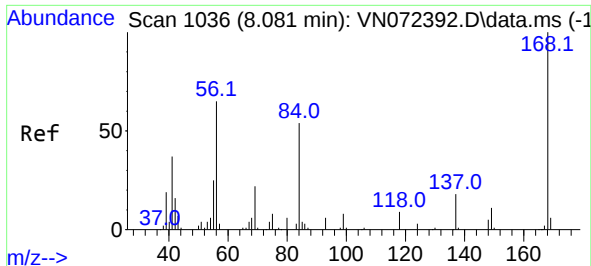
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051222\  
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Sample : N2800-07  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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MW-17

Quant Time: May 13 02:46:33 2022  
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Quant Title : SW846 8260  
QLast Update : Tue May 10 15:43:28 2022  
Response via : Initial Calibration

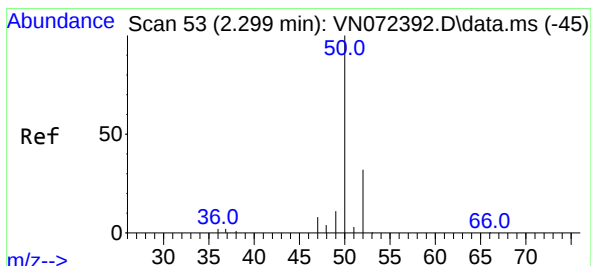
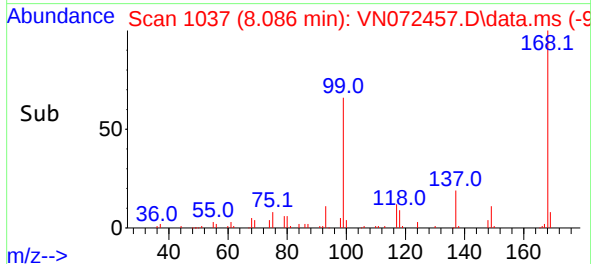
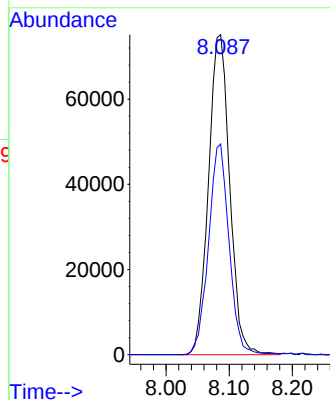
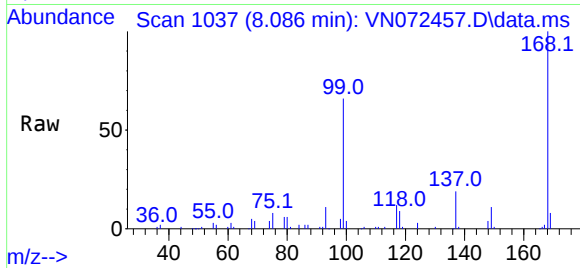




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.086 min Scan# 10  
Delta R.T. 0.005 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

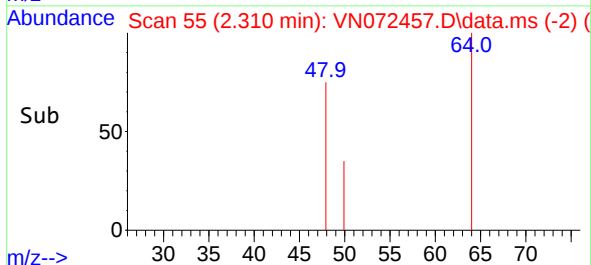
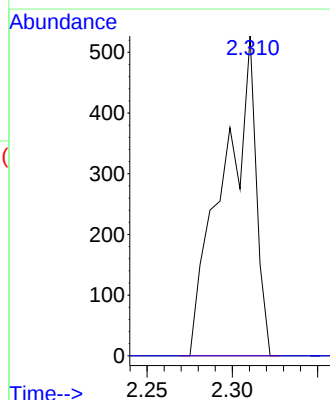
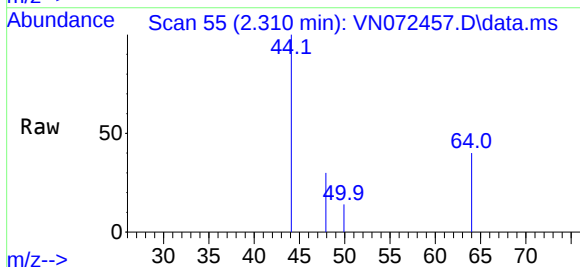
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17

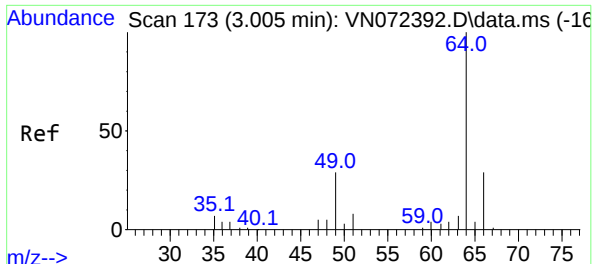
Tgt Ion:168 Resp: 175659  
Ion Ratio Lower Upper  
168 100  
99 65.9 42.3 63.5#



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.310 min Scan# 55  
Delta R.T. 0.011 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion: 50 Resp: 697  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

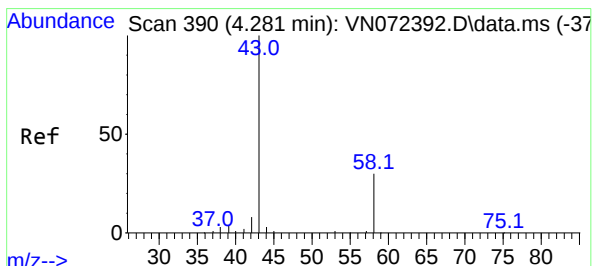
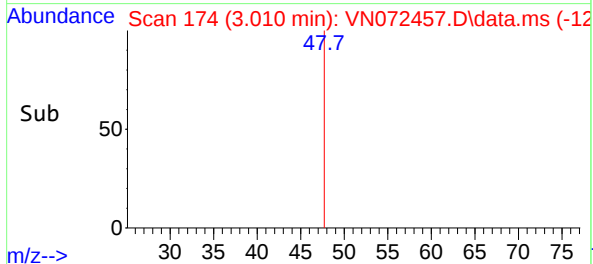
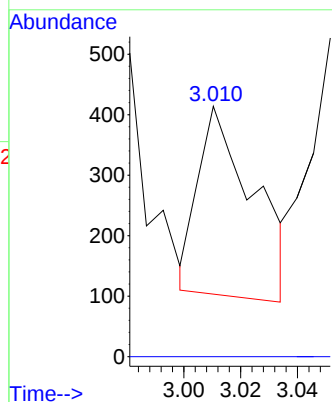
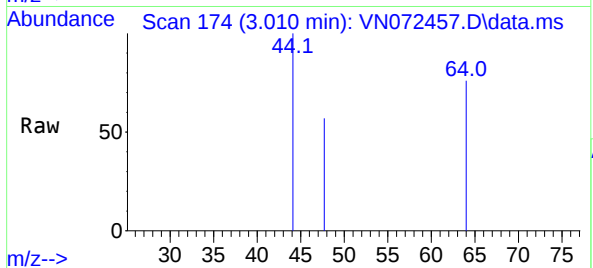




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.010 min Scan# 11  
Delta R.T. 0.005 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

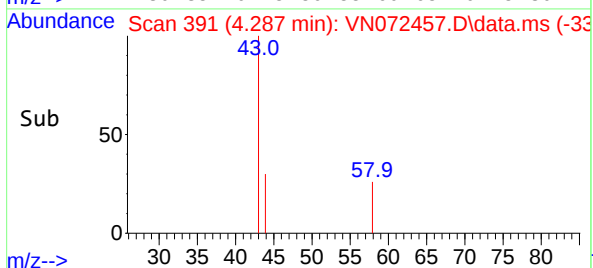
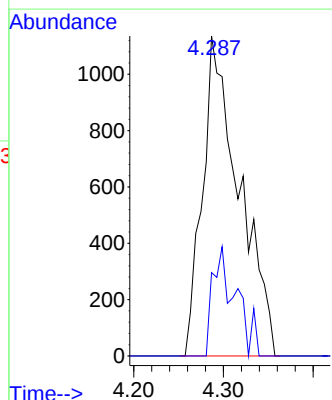
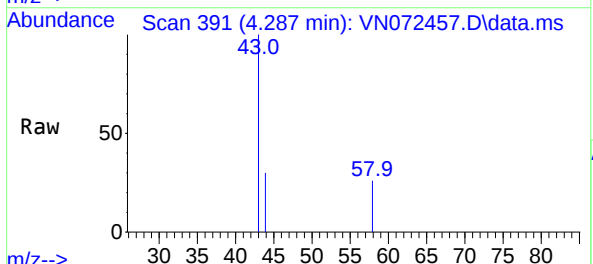
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17

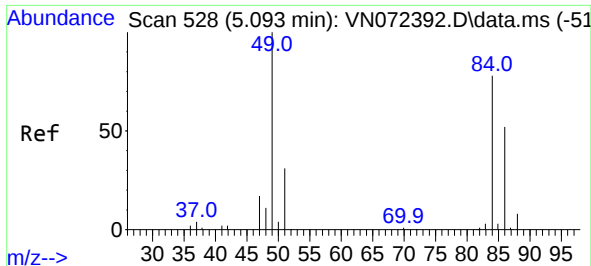
Tgt Ion: 64 Resp: 421  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#16  
Acetone  
Concen: 3.022 ug/l  
RT: 4.287 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion: 43 Resp: 3220  
Ion Ratio Lower Upper  
43 100  
58 26.1 26.0 39.0

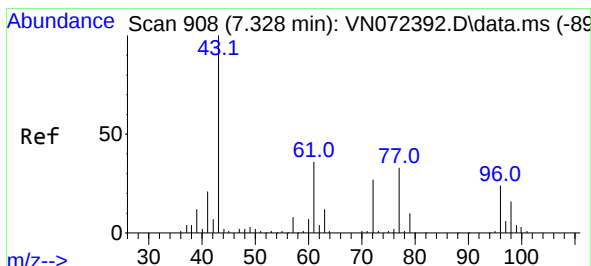
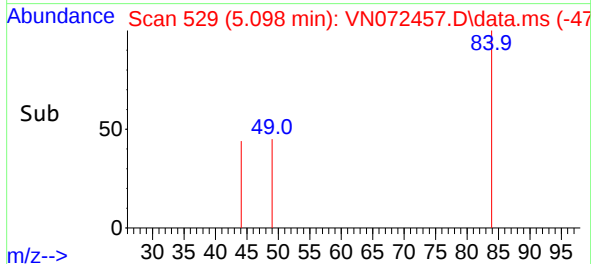
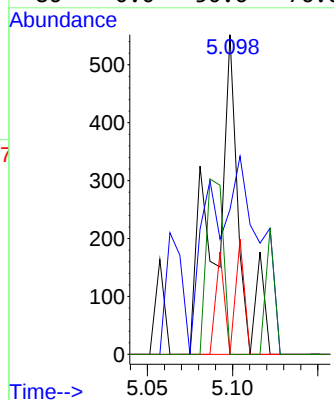
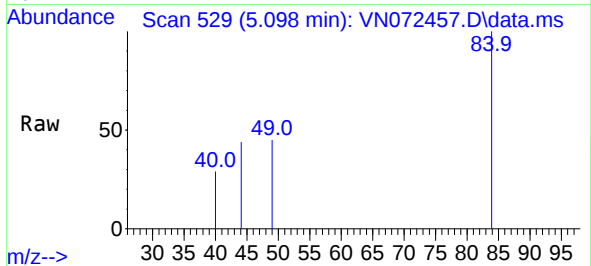




#20  
Methylene Chloride  
Concen: 0.249 ug/l  
RT: 5.098 min Scan# 51  
Delta R.T. 0.005 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

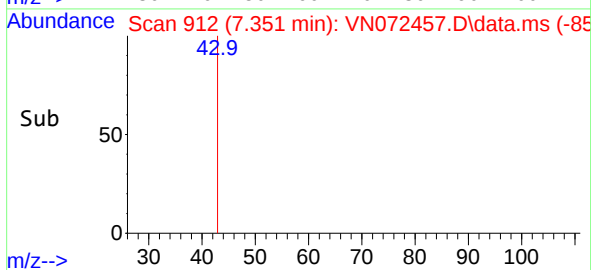
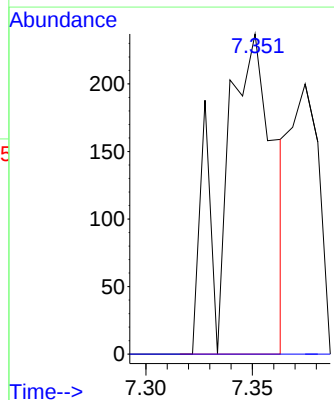
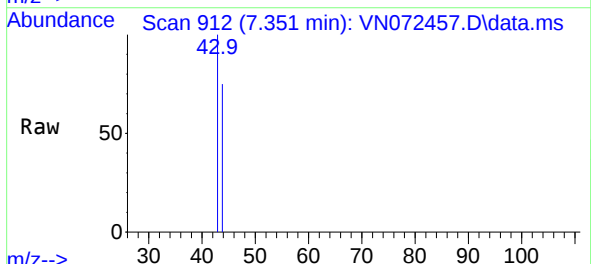
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17

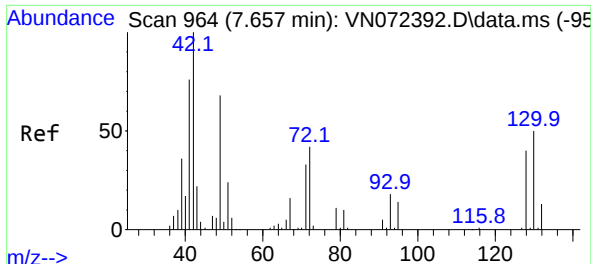
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 543    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 45.3  | 88.3  | 132.5# |
| 51       | 0.0   | 28.2  | 42.2#  |
| 86       | 0.0   | 50.6  | 76.0#  |



#25  
2-Butanone  
Concen: 0.238 ug/l  
RT: 7.351 min Scan# 912  
Delta R.T. 0.023 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 401   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 23.7  | 35.5# |

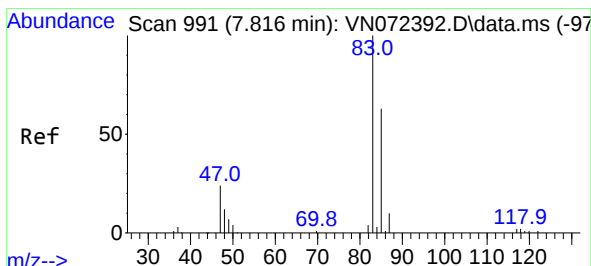
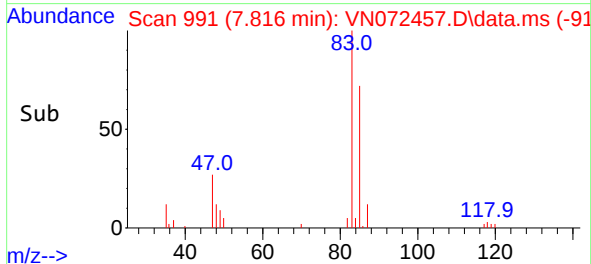
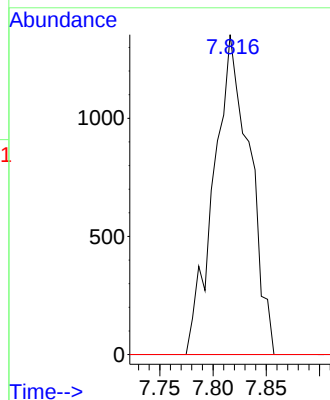
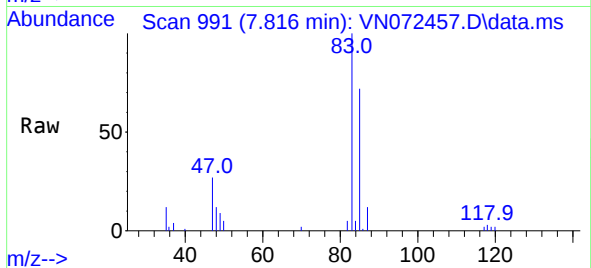




#28  
Bromochloromethane  
Concen: 1.983 ug/l  
RT: 7.816 min Scan# 991  
Delta R.T. 0.159 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

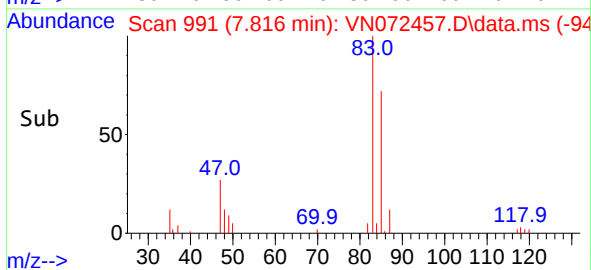
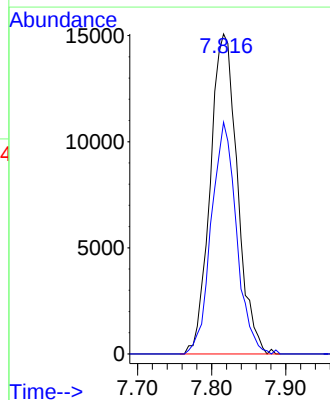
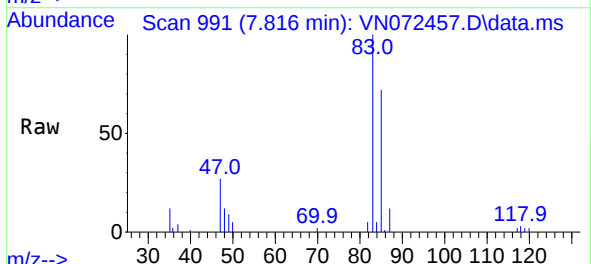
Instrument :  
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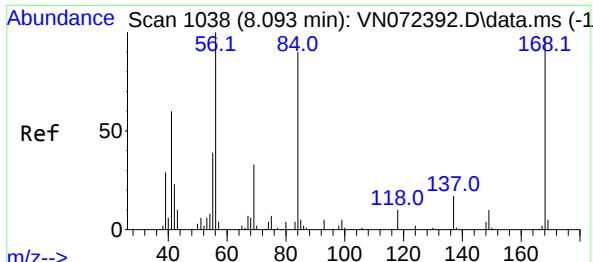
Tgt Ion: 49 Resp: 3177  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 4.6  
130 0.0 69.7 104.5#



#30  
Chloroform  
Concen: 10.005 ug/l  
RT: 7.816 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

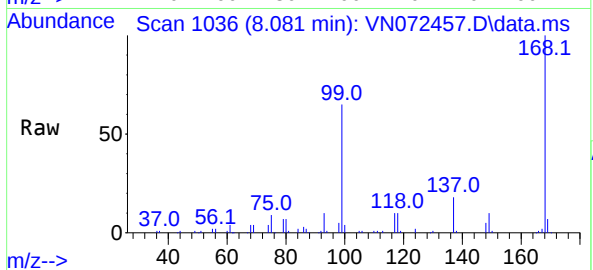
Tgt Ion: 83 Resp: 38412  
Ion Ratio Lower Upper  
83 100  
85 72.4 51.8 77.8



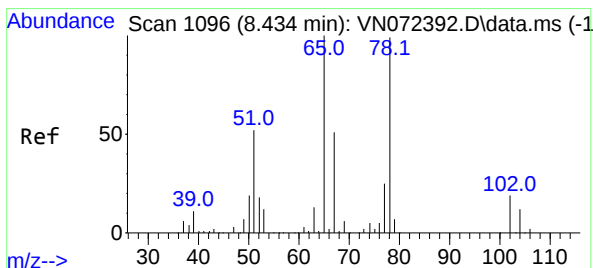
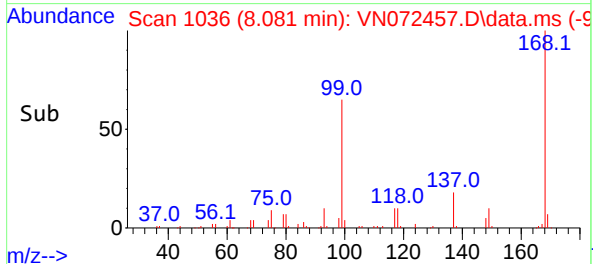
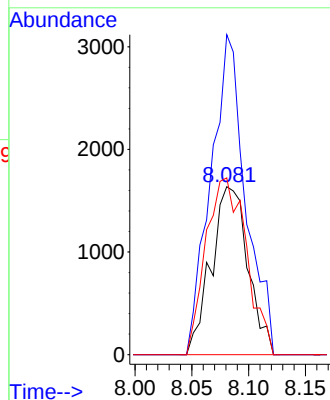


#31  
Cyclohexane  
Concen: 1.033 ug/l  
RT: 8.081 min Scan# 1036  
Delta R.T. -0.012 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Instrument :  
MSVOA\_N  
ClientSampleId :  
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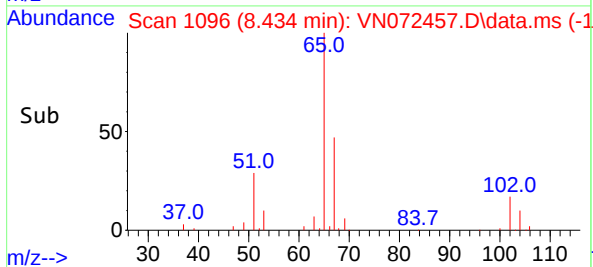
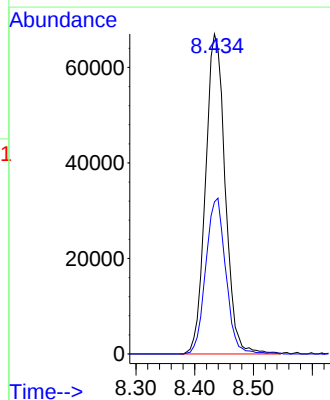
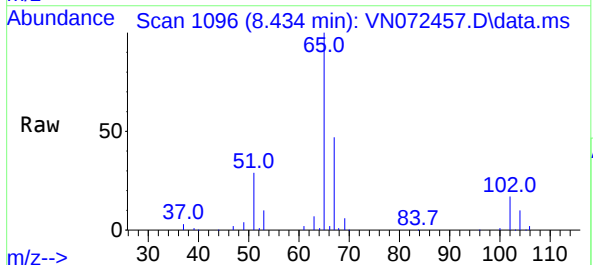


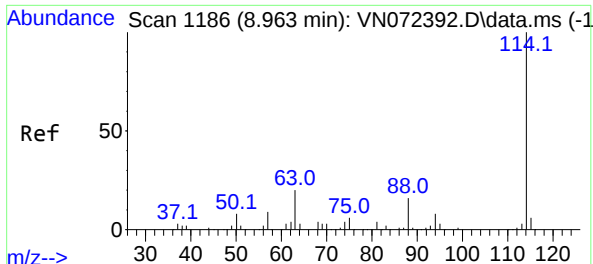
Tgt Ion: 56 Resp: 3684  
Ion Ratio Lower Upper  
56 100  
69 190.5 27.8 41.8#  
84 105.3 76.9 115.3



#33  
1,2-Dichloroethane-d4  
Concen: 57.863 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion: 65 Resp: 155681  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 104.8



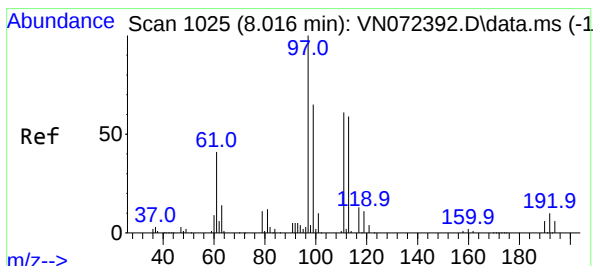
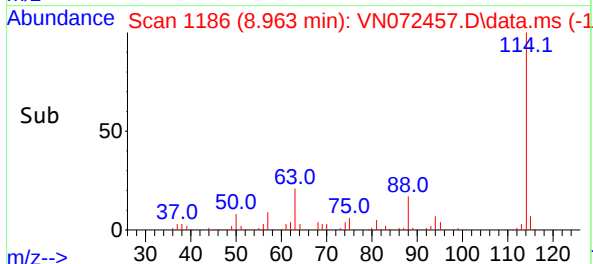
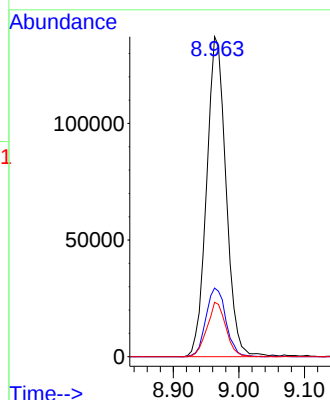
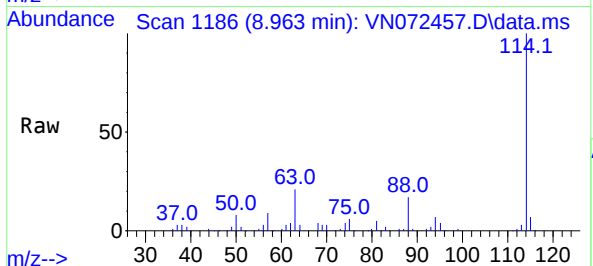


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.963 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Instrument :  
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ClientSampleId :  
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Tgt Ion:114 Resp: 282615

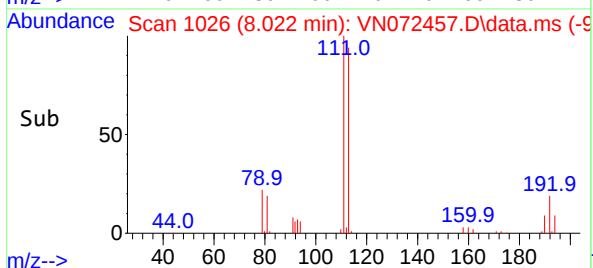
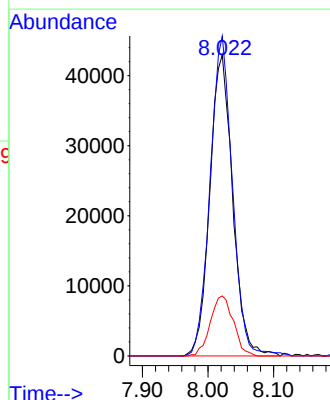
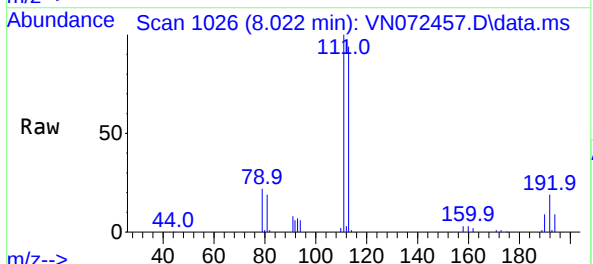
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 21.5  | 0.0   | 40.0  |
| 88  | 17.0  | 0.0   | 32.6  |

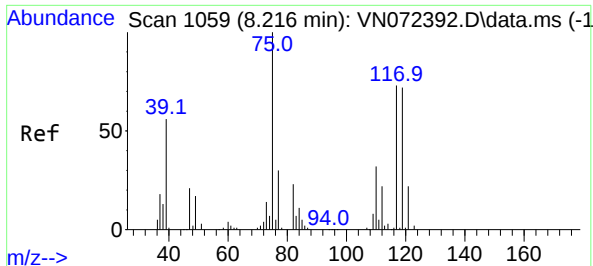


#35  
Dibromofluoromethane  
Concen: 55.222 ug/l  
RT: 8.022 min Scan# 1026  
Delta R.T. 0.006 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion:113 Resp: 103830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 104.0 | 81.4  | 122.0 |
| 192 | 20.1  | 17.0  | 25.6  |





#36

1,1-Dichloropropene

Concen: 5.288 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072457.D

Acq: 12 May 2022 16:56

Instrument :

MSVOA\_N

ClientSampleId :

MW-17

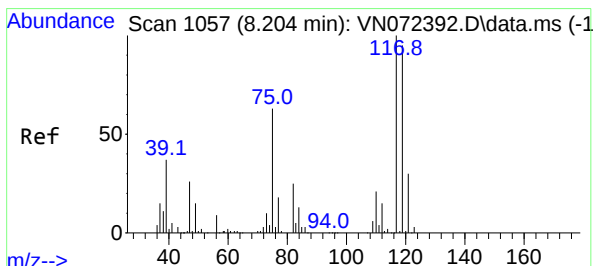
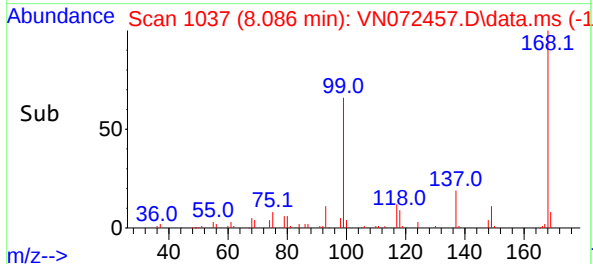
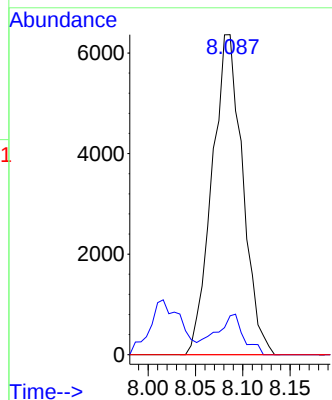
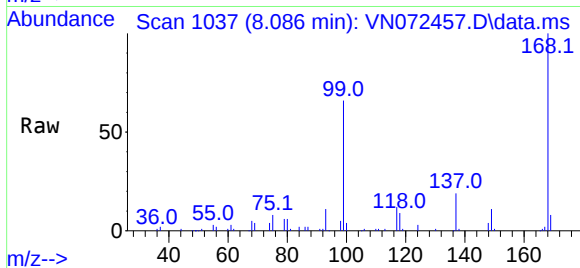
Tgt Ion: 75 Resp: 14280

Ion Ratio Lower Upper

75 100

110 11.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.367 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN072457.D

Acq: 12 May 2022 16:56

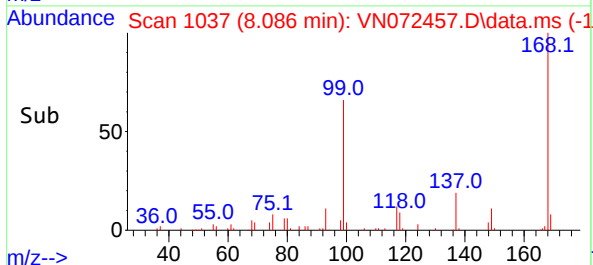
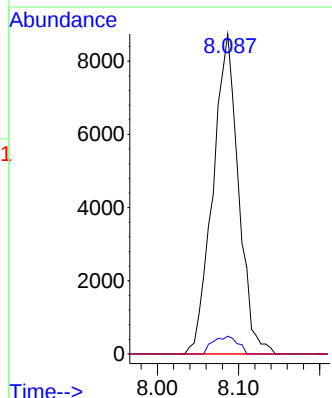
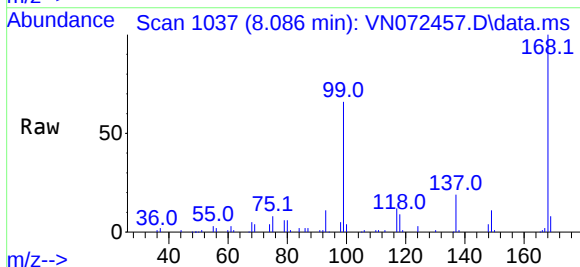
Tgt Ion: 117 Resp: 19243

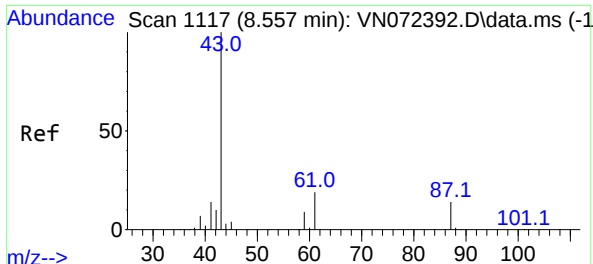
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.214 ug/l

RT: 8.610 min Scan# 1117

Delta R.T. 0.053 min

Lab File: VN072457.D

Acq: 12 May 2022 16:56

Instrument :

MSVOA\_N

ClientSampleId :

MW-17

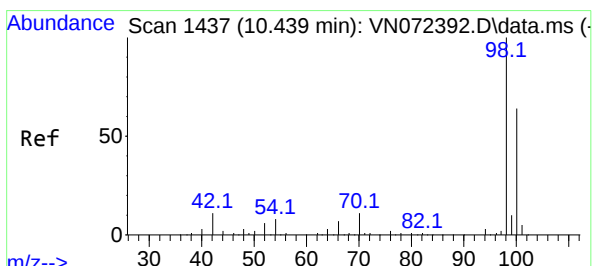
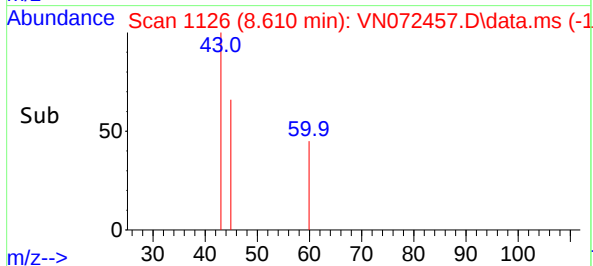
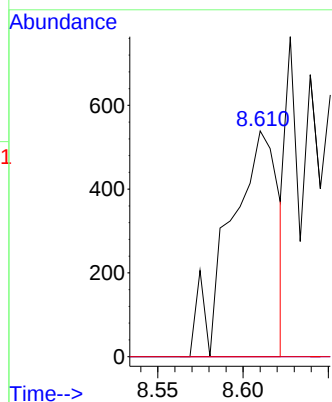
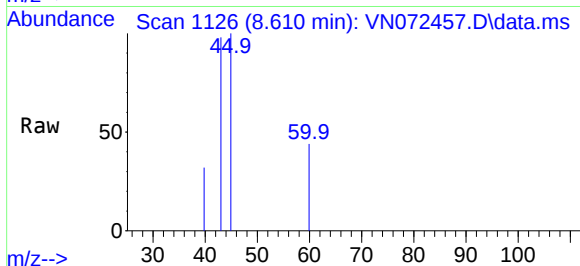
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 49.314 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072457.D

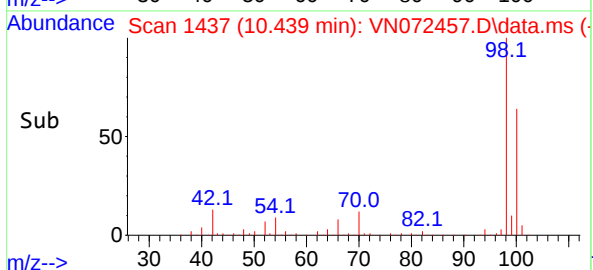
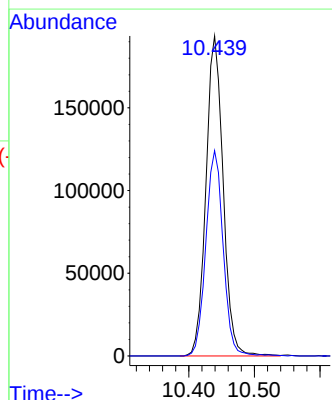
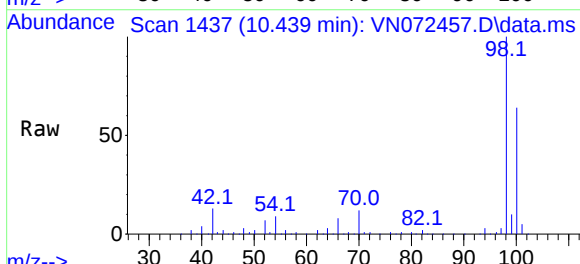
Acq: 12 May 2022 16:56

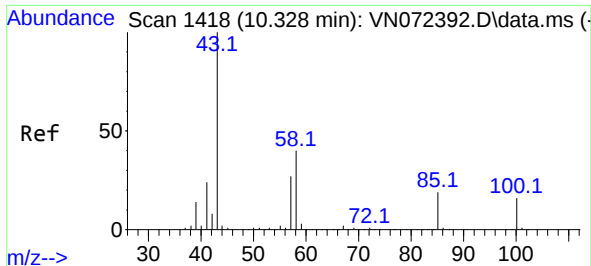
Tgt Ion: 98 Resp: 353134

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8

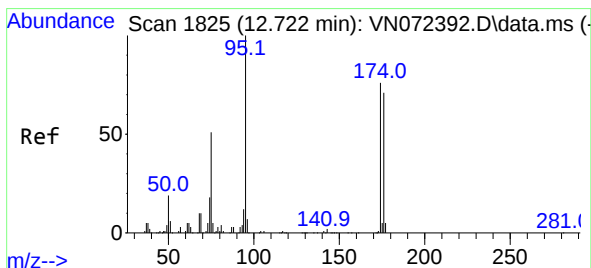
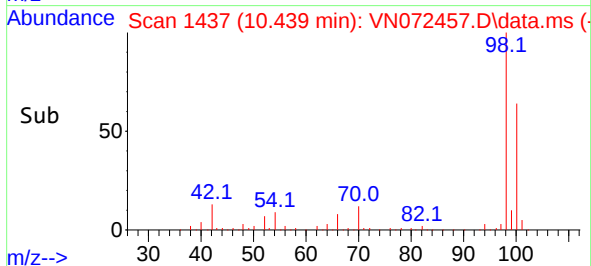
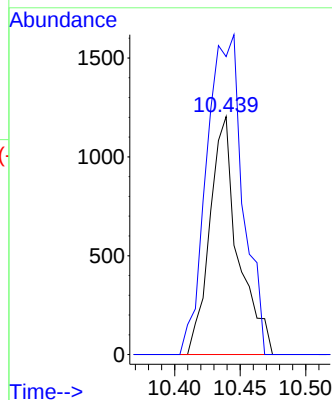
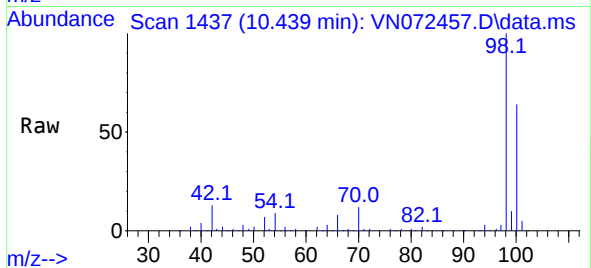




#51  
4-Methyl-2-Pentanone  
Concen: 0.587 ug/l  
RT: 10.439 min Scan# 1418  
Delta R.T. 0.111 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

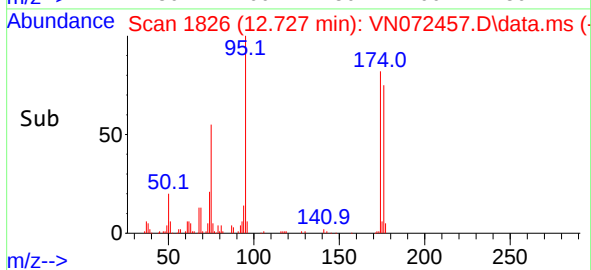
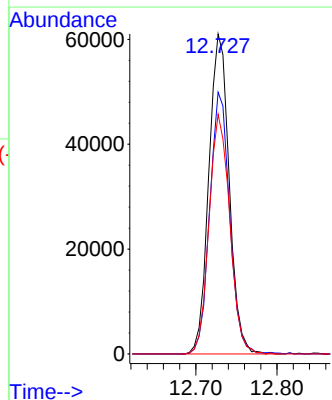
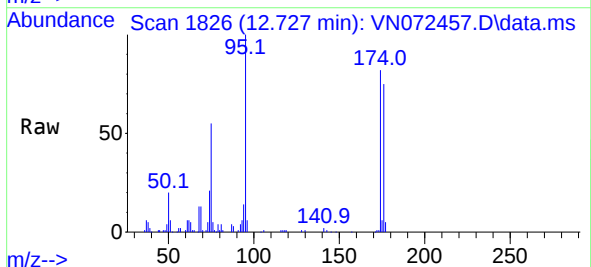
Instrument :  
MSVOA\_N  
ClientSampleId :  
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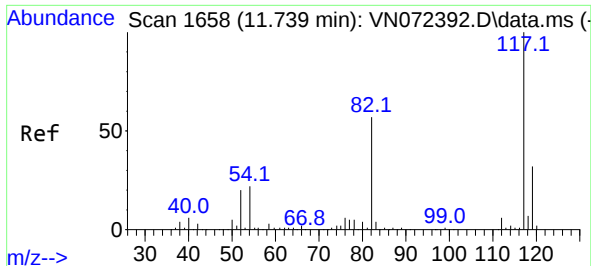
Tgt Ion: 43 Resp: 1814  
Ion Ratio Lower Upper  
43 100  
58 171.7 34.1 51.1#



#62  
4-Bromofluorobenzene  
Concen: 44.537 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.005 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion: 95 Resp: 105917  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 167.6  
176 76.1 0.0 163.4

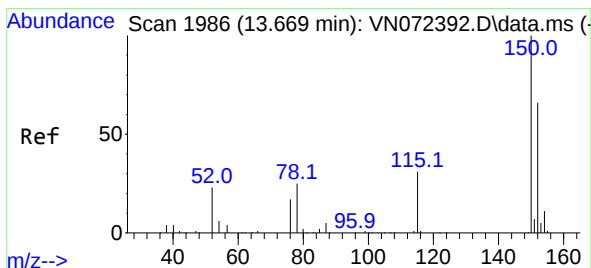
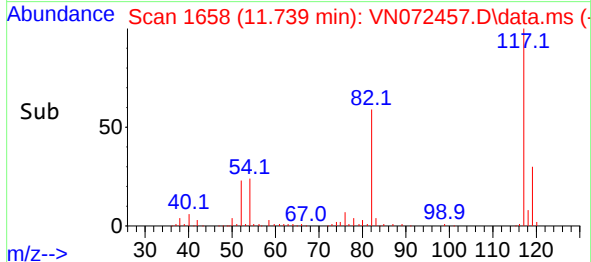
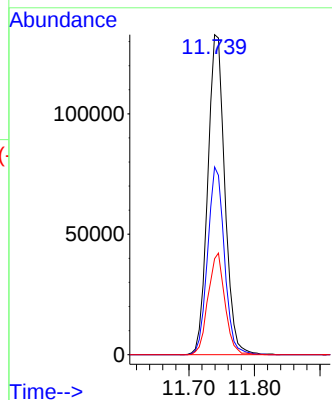
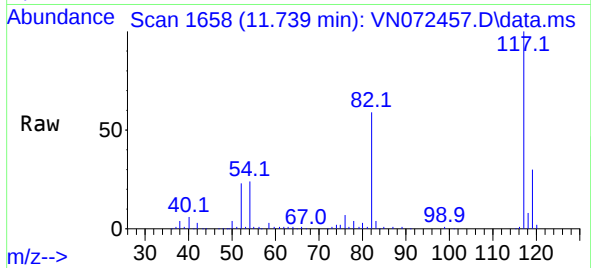




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

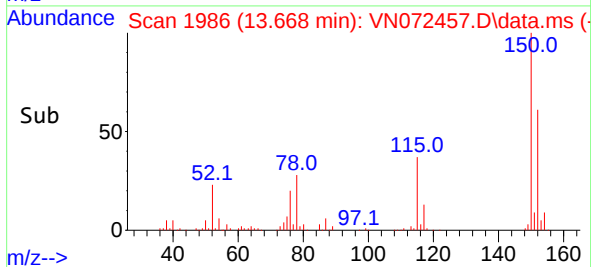
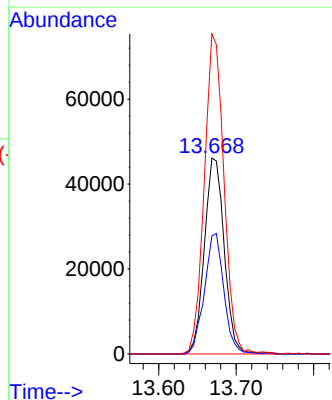
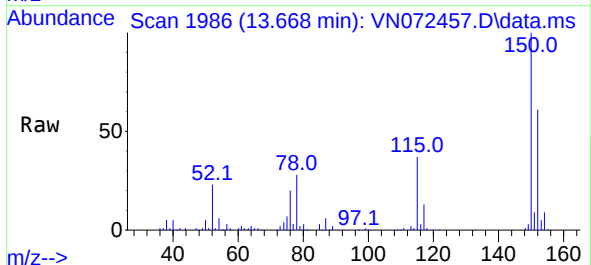
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17

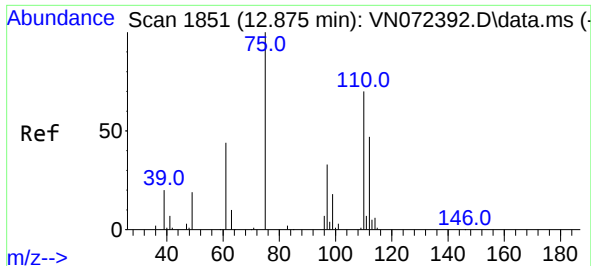
Tgt Ion:117 Resp: 240638  
Ion Ratio Lower Upper  
117 100  
82 58.6 44.2 66.2  
119 30.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.668 min Scan# 1986  
Delta R.T. -0.001 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

Tgt Ion:152 Resp: 82276  
Ion Ratio Lower Upper  
152 100  
115 60.1 28.9 86.7  
150 161.4 0.0 356.2

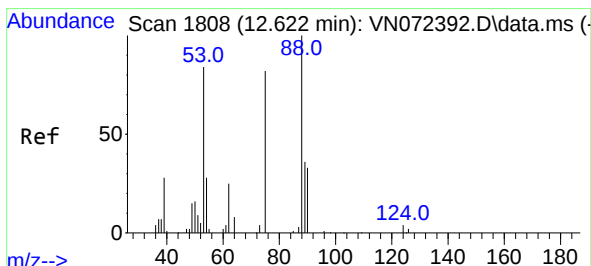
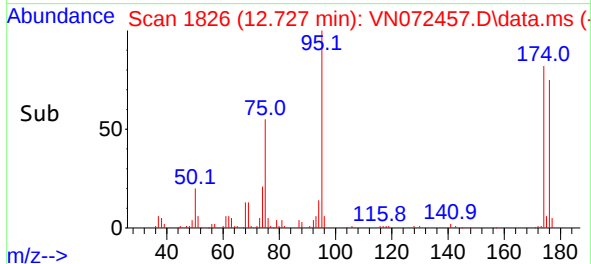
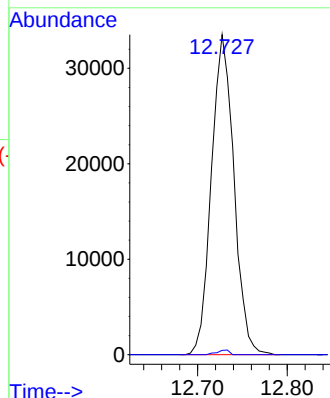
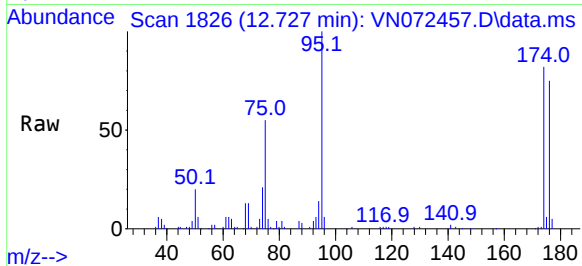




#76  
1,2,3-Trichloropropane  
Concen: 27.212 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.148 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

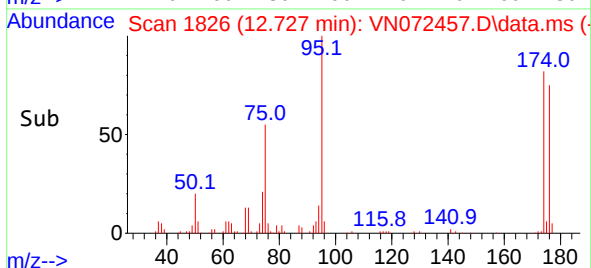
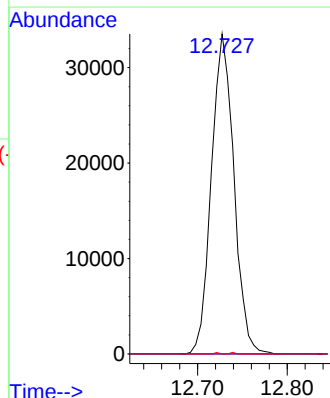
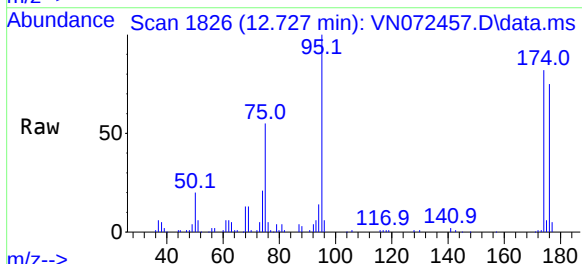
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-17

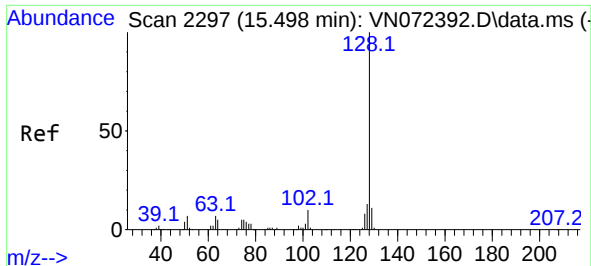
Tgt Ion: 75 Resp: 58395  
Ion Ratio Lower Upper  
75 100  
77 0.8 98.5 295.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 90.780 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. 0.105 min  
Lab File: VN072457.D  
Acq: 12 May 2022 16:56

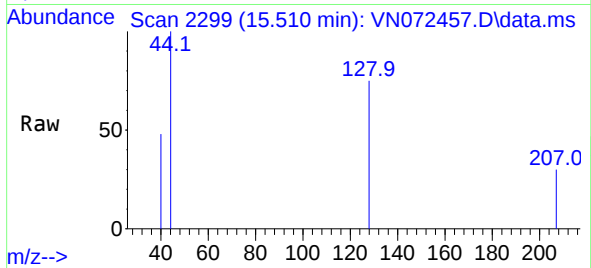
Tgt Ion: 75 Resp: 58395  
Ion Ratio Lower Upper  
75 100  
53 0.0 78.0 117.0#  
89 0.1 37.2 55.8#





#95  
 Naphthalene  
 Concen: 3.398 ug/l  
 RT: 15.510 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: VN072457.D  
 Acq: 12 May 2022 16:56

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-17



|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 930         |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 0.0   | 10.3 15.5#  |
| 129         | 0.0   | 8.6 13.0#   |

