

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN051122\  
 Data File : VN072415.D  
 Acq On : 11 May 2022 14:27  
 Operator : JC\MD  
 Sample : N2763-07  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-1-20220509

Quant Time: May 12 02:12:04 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

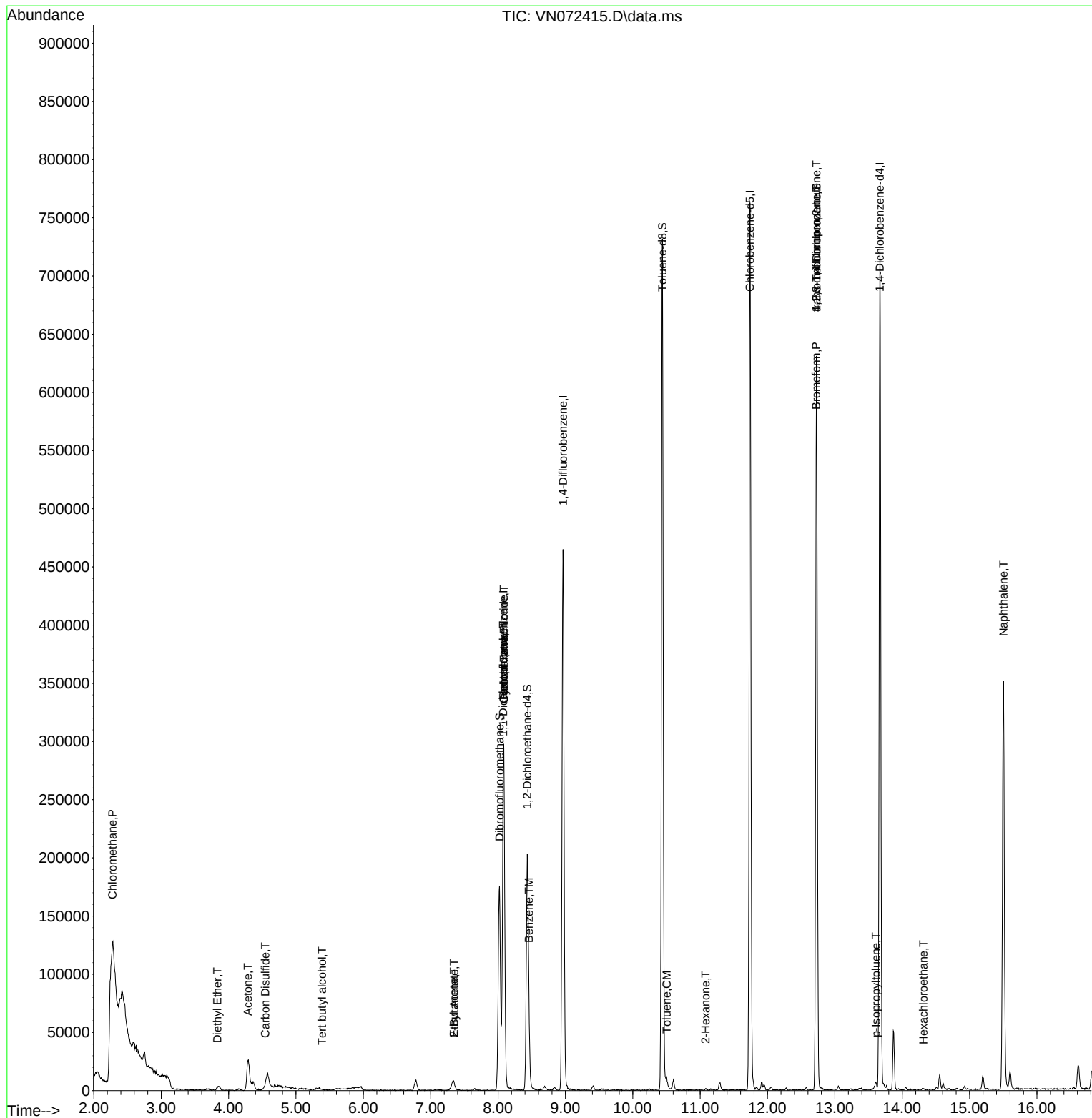
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 8.081  | 168   | 218479   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.963  | 114   | 401165   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.739 | 117   | 438869   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.669 | 152   | 192626   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.434  | 65    | 166577   | 49.778    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 99.560%  |
| 35) Dibromofluoromethane      | 8.022  | 113   | 127758   | 47.869    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 95.740%  |
| 50) Toluene-d8                | 10.439 | 98    | 498430   | 49.035    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 98.080%  |
| 62) 4-Bromofluorobenzene      | 12.727 | 95    | 206420   | 61.148    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 122.300% |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.275  | 50    | 10876    | 3.031     | ug/l # | 43       |
| 6) Chloroethane               | 3.257  | 64    | 394      | Below Cal | #      | 42       |
| 8) Diethyl Ether              | 3.834  | 74    | 1167     | 0.752     | ug/l # | 53       |
| 11) Tert butyl alcohol        | 5.387  | 59    | 426      | 0.779     | ug/l # | 72       |
| 16) Acetone                   | 4.287  | 43    | 50954    | 38.448    | ug/l # | 83       |
| 17) Carbon Disulfide          | 4.546  | 76    | 5129     | 0.900     | ug/l # | 88       |
| 25) 2-Butanone                | 7.345  | 43    | 13936    | 6.663     | ug/l # | 86       |
| 31) Cyclohexane               | 8.087  | 56    | 5469     | 1.233     | ug/l # | 19       |
| 36) 1,1-Dichloropropene       | 8.075  | 75    | 17952    | 4.683     | ug/l # | 50       |
| 37) Ethyl Acetate             | 7.345  | 43    | 13936    | 3.030     | ug/l # | 67       |
| 38) Carbon Tetrachloride      | 8.087  | 117   | 24088    | 5.615     | ug/l # | 16       |
| 40) Benzene                   | 8.457  | 78    | 27857    | 2.433     | ug/l   | 95       |
| 52) Toluene                   | 10.504 | 92    | 3115     | 0.441     | ug/l   | 83       |
| 59) 2-Hexanone                | 11.080 | 43    | 979      | 0.318     | ug/l   | 63       |
| 71) Bromoform                 | 12.722 | 173   | 1230     | 0.465     | ug/l # | 28       |
| 76) 1,2,3-Trichloropropane    | 12.727 | 75    | 114757   | 22.841    | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.727 | 75    | 114757   | 76.200    | ug/l # | 11       |
| 86) p-Isopropyltoluene        | 13.610 | 119   | 4331     | 0.364     | ug/l   | 93       |
| 90) Hexachloroethane          | 14.316 | 117   | 748      | 0.315     | ug/l # | 9        |
| 95) Naphthalene               | 15.504 | 128   | 332429   | 36.991    | ug/l   | 99       |
| -----                         |        |       |          |           |        |          |

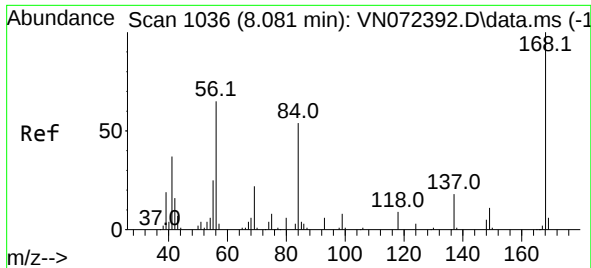
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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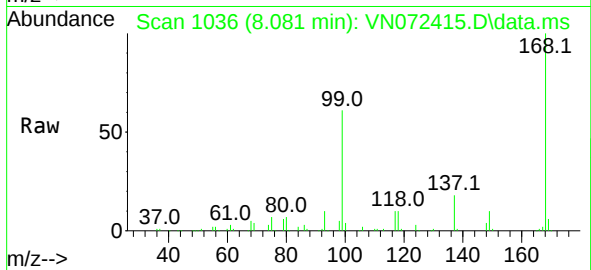
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N051022W.M  
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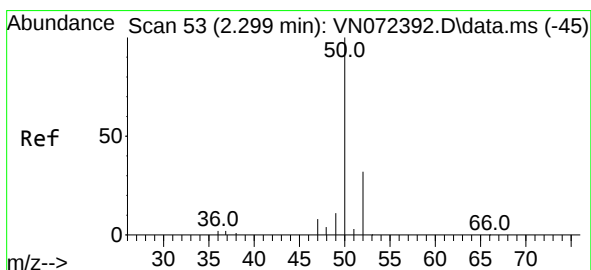
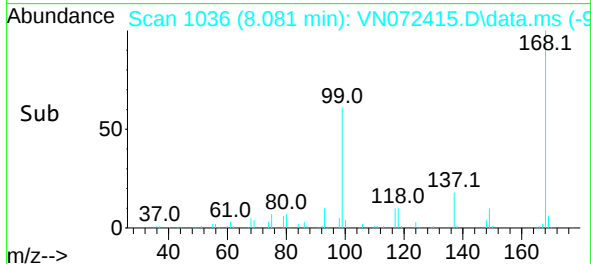
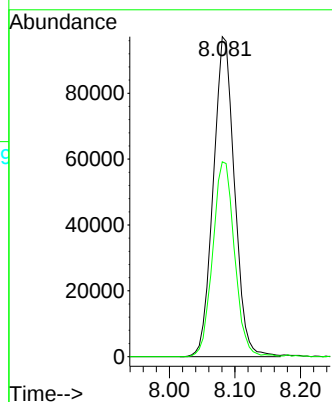


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.081 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

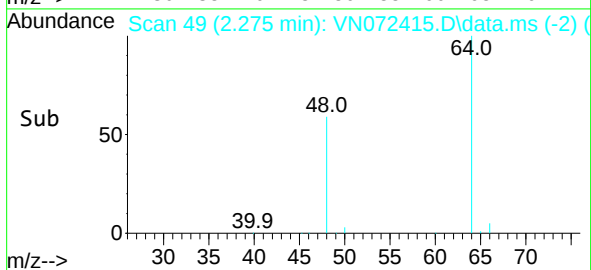
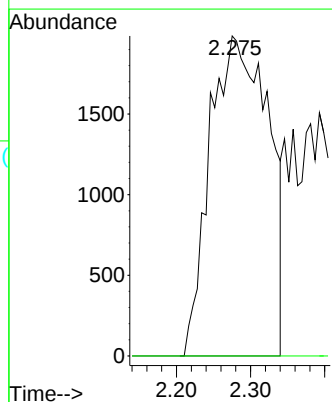
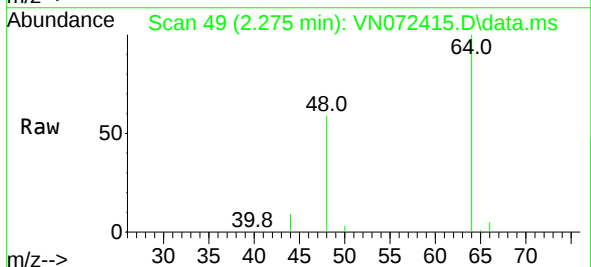


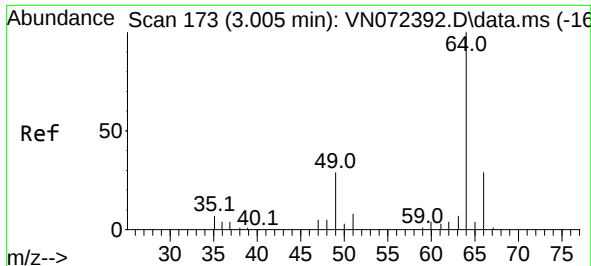
Tgt Ion:168 Resp: 218479  
Ion Ratio Lower Upper  
168 100  
99 60.9 42.3 63.5



#3  
Chloromethane  
Concen: 3.031 ug/l  
RT: 2.275 min Scan# 49  
Delta R.T. -0.024 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 50 Resp: 10876  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

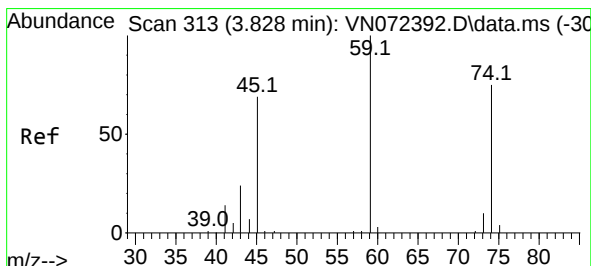
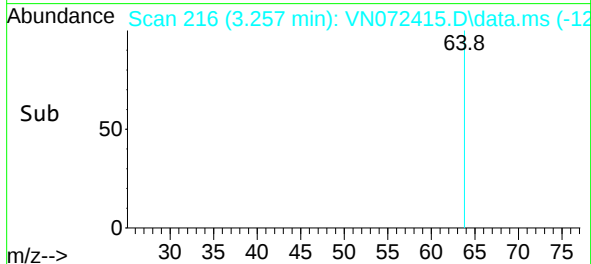
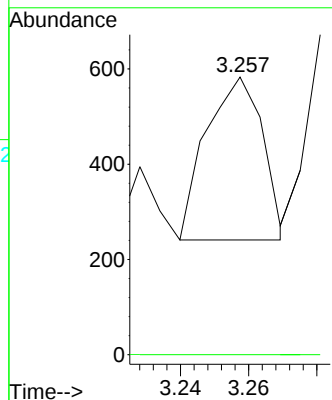
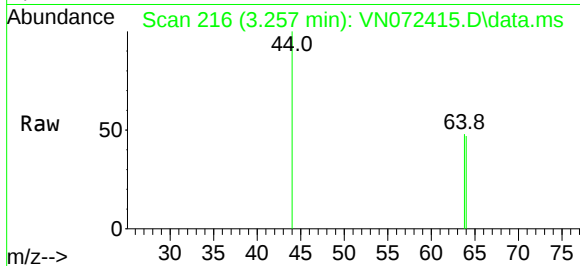




#6  
Chloroethane  
Concen: Below Cal  
RT: 3.257 min Scan# 216  
Delta R.T. 0.252 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

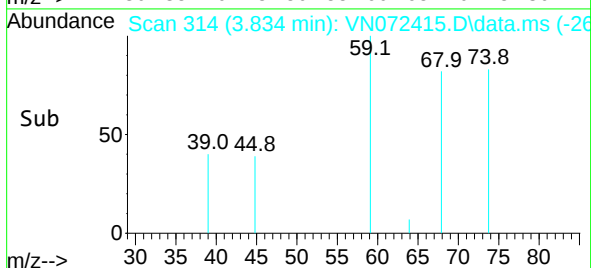
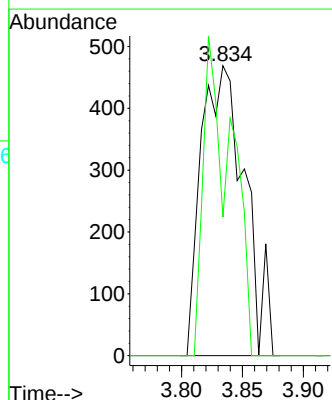
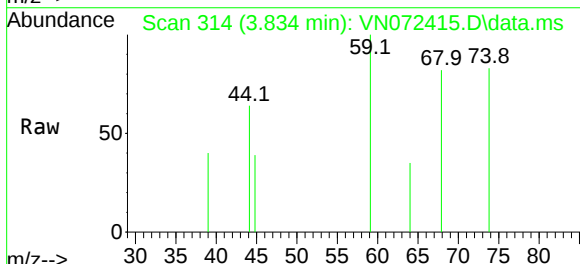
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

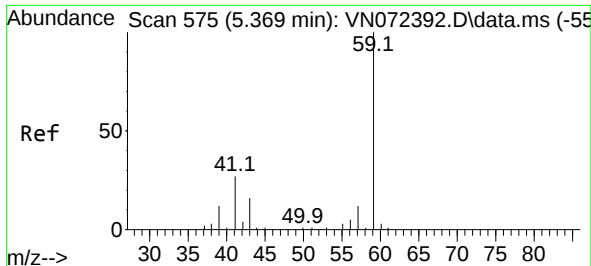
Tgt Ion: 64 Resp: 394  
Ion Ratio Lower Upper  
64 100  
66 0.0 26.2 39.4#



#8  
Diethyl Ether  
Concen: 0.752 ug/l  
RT: 3.834 min Scan# 314  
Delta R.T. 0.006 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 74 Resp: 1167  
Ion Ratio Lower Upper  
74 100  
45 42.2 42.9 128.5#





#11

Tert butyl alcohol

Concen: 0.779 ug/l

RT: 5.387 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN072415.D

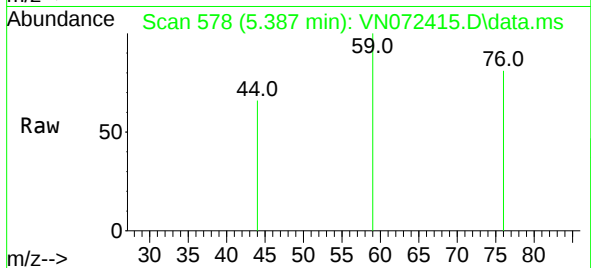
Acq: 11 May 2022 14:27

Instrument :

MSVOA\_N

ClientSampleId :

MW-1-20220509

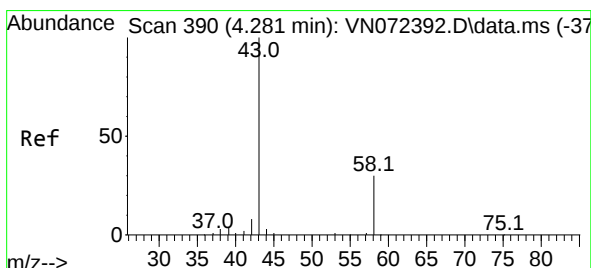
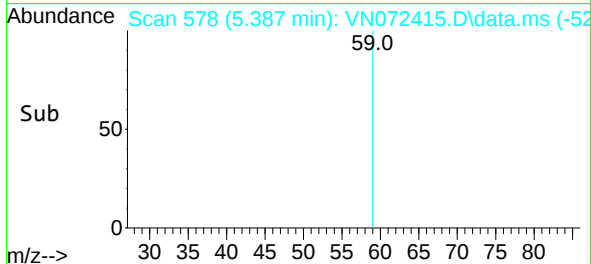
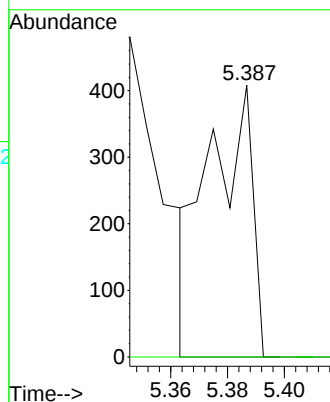


Tgt Ion: 59 Resp: 426

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 38.448 ug/l

RT: 4.287 min Scan# 391

Delta R.T. 0.006 min

Lab File: VN072415.D

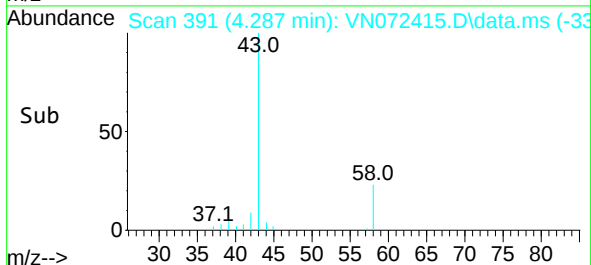
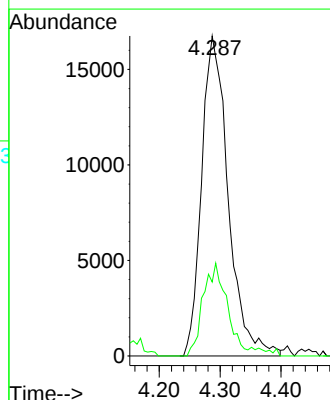
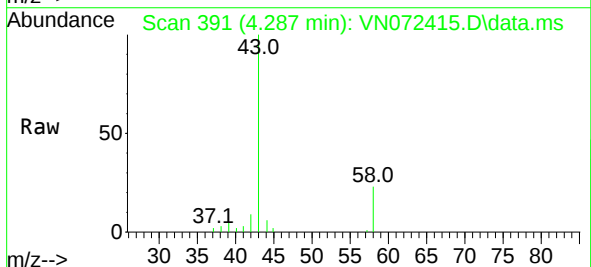
Acq: 11 May 2022 14:27

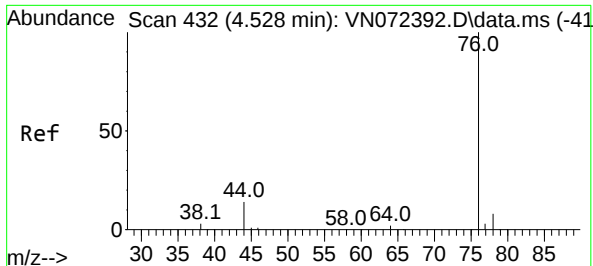
Tgt Ion: 43 Resp: 50954

Ion Ratio Lower Upper

43 100

58 23.1 26.0 39.0#

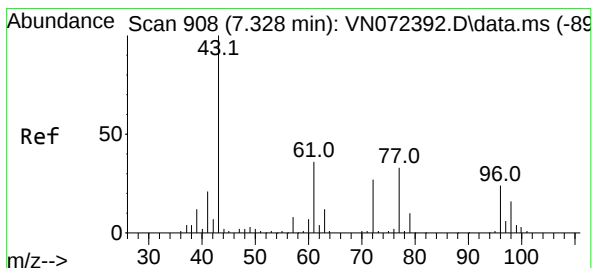
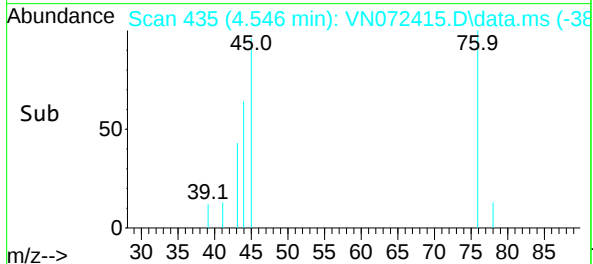
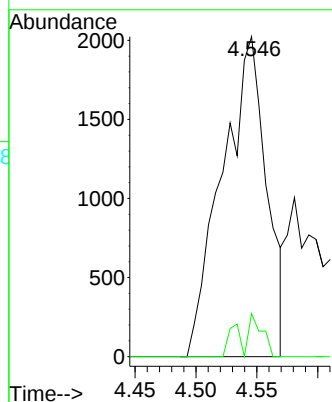
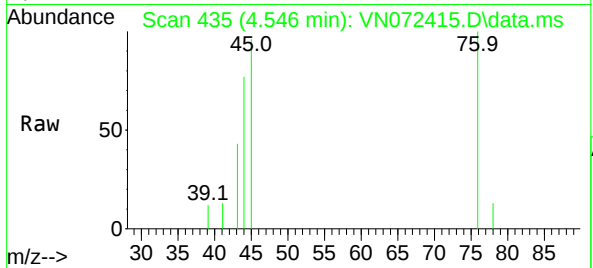




#17  
Carbon Disulfide  
Concen: 0.900 ug/l  
RT: 4.546 min Scan# 411  
Delta R.T. 0.018 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

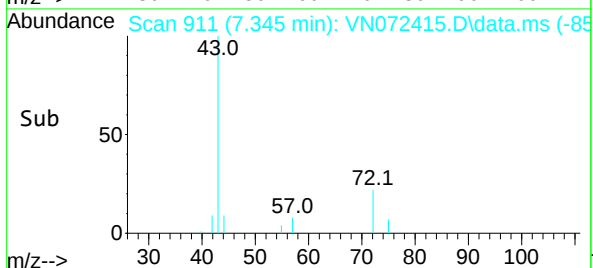
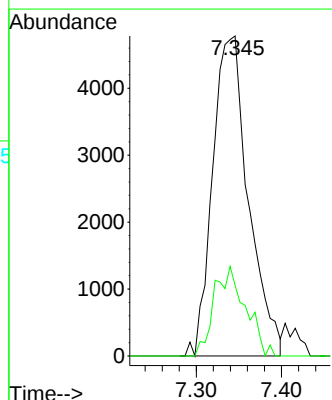
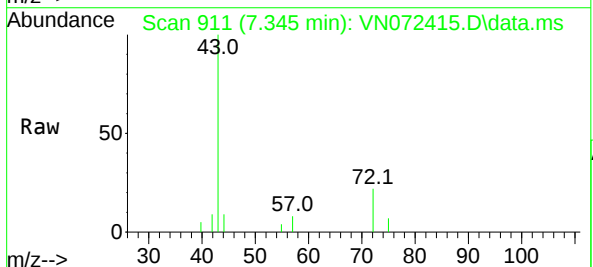
Instrument :  
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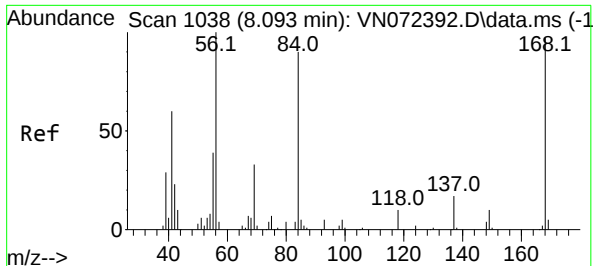
Tgt Ion: 76 Resp: 5129  
Ion Ratio Lower Upper  
76 100  
78 13.4 7.2 10.8#



#25  
2-Butanone  
Concen: 6.663 ug/l  
RT: 7.345 min Scan# 911  
Delta R.T. 0.017 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 43 Resp: 13936  
Ion Ratio Lower Upper  
43 100  
72 22.1 23.7 35.5#

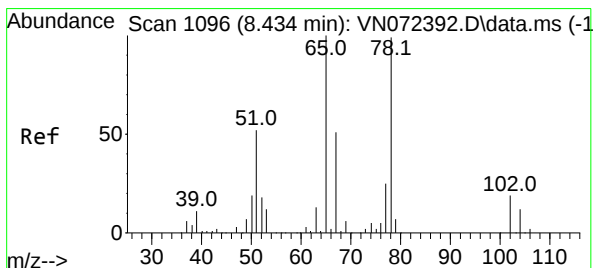
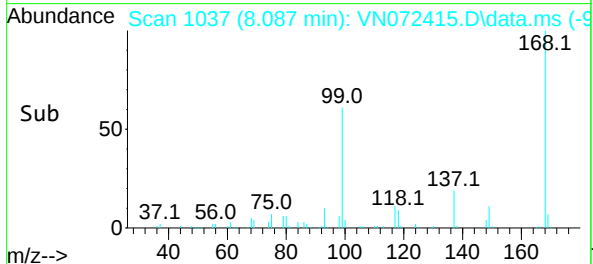
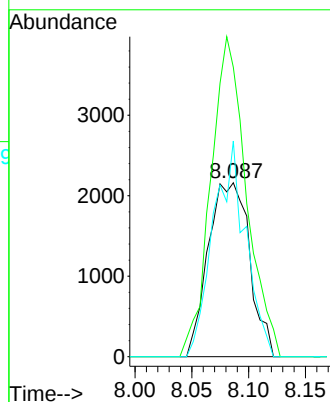
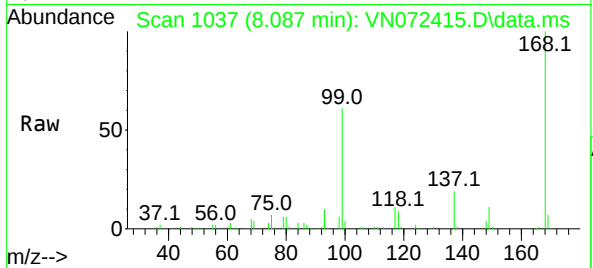




#31  
Cyclohexane  
Concen: 1.233 ug/l  
RT: 8.087 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

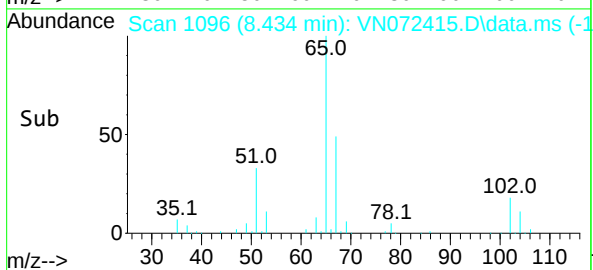
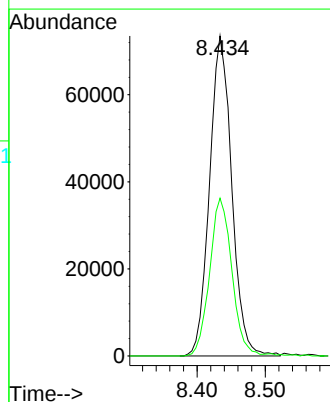
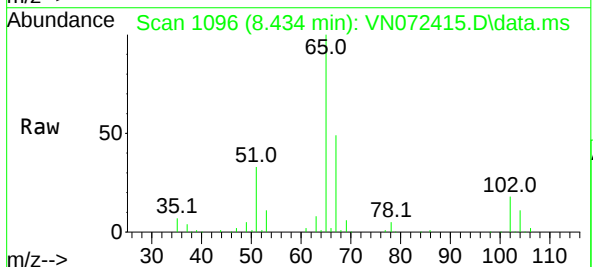
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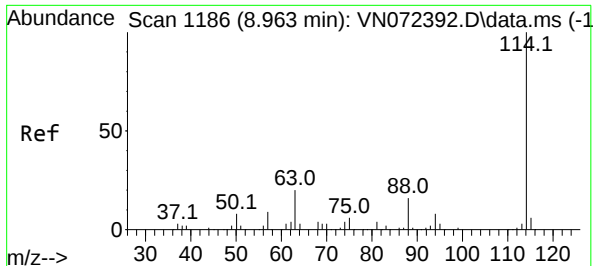
Tgt Ion: 56 Resp: 5469  
Ion Ratio Lower Upper  
56 100  
69 166.5 27.8 41.8#  
84 124.0 76.9 115.3#



#33  
1,2-Dichloroethane-d4  
Concen: 49.778 ug/l  
RT: 8.434 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 65 Resp: 166577  
Ion Ratio Lower Upper  
65 100  
67 49.3 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: VN072415.D

Acq: 11 May 2022 14:27

Instrument :

MSVOA\_N

ClientSampleId :

MW-1-20220509

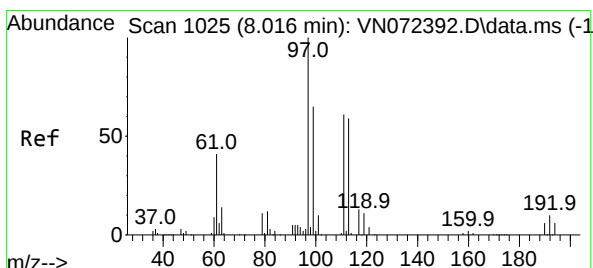
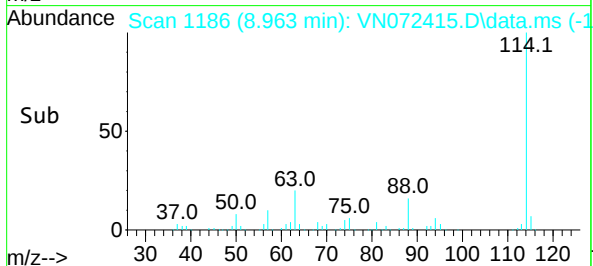
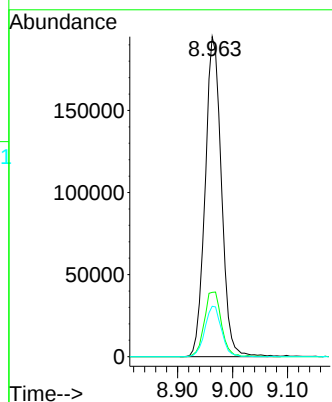
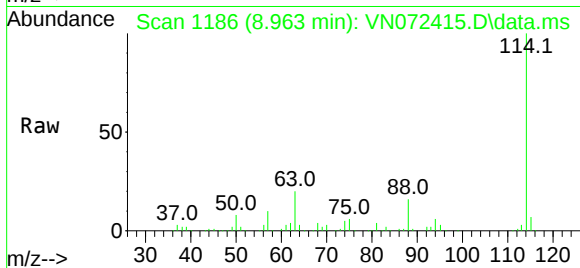
Tgt Ion:114 Resp: 401165

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.869 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072415.D

Acq: 11 May 2022 14:27

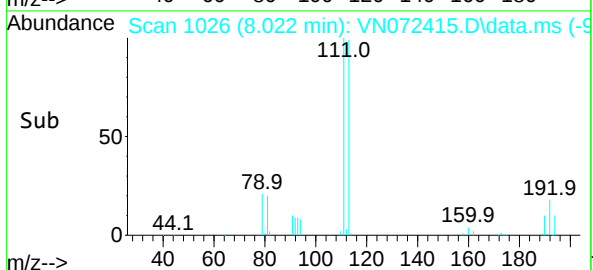
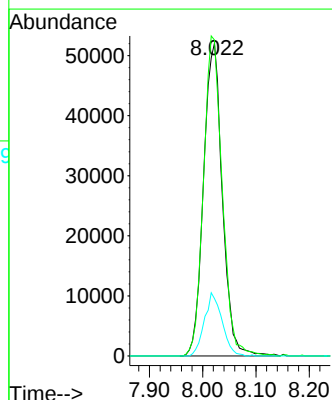
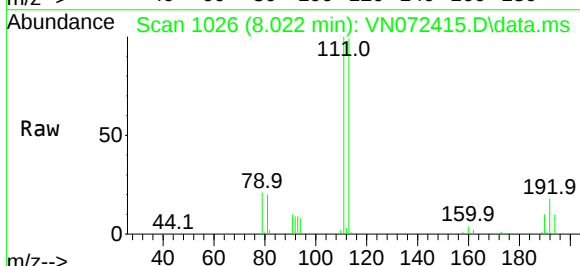
Tgt Ion:113 Resp: 127758

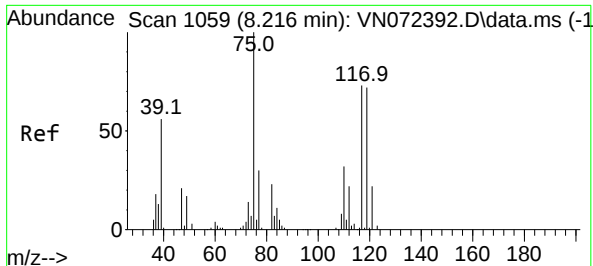
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN072415.D

Acq: 11 May 2022 14:27

Instrument :

MSVOA\_N

ClientSampleId :

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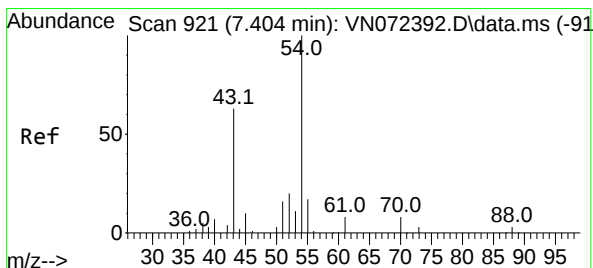
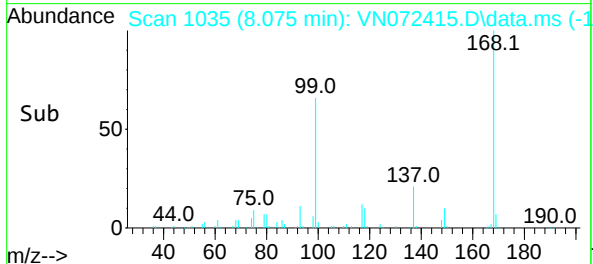
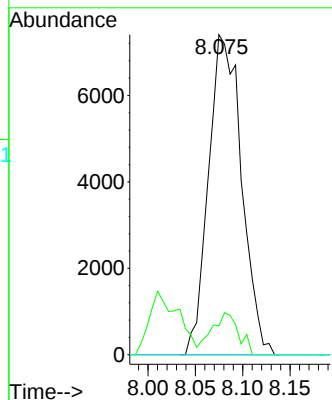
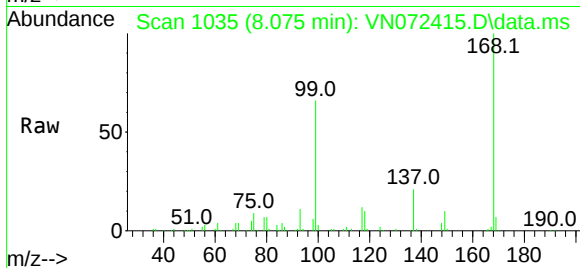
Tgt Ion: 75 Resp: 17952

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.030 ug/l

RT: 7.345 min Scan# 911

Delta R.T. -0.059 min

Lab File: VN072415.D

Acq: 11 May 2022 14:27

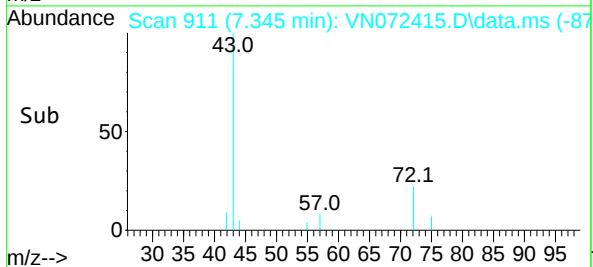
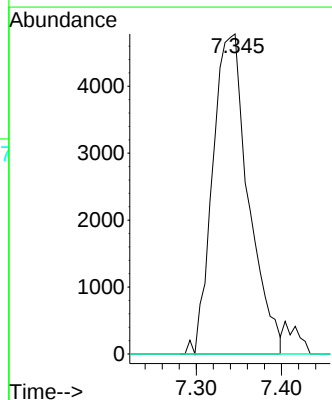
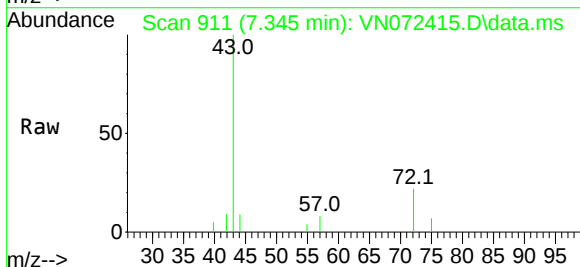
Tgt Ion: 43 Resp: 13936

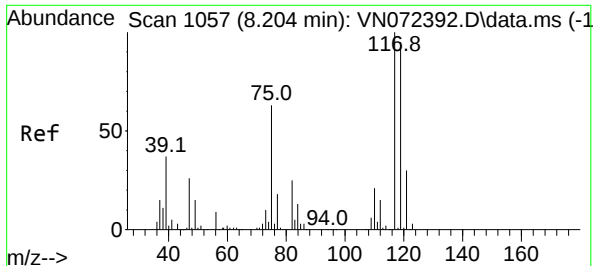
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

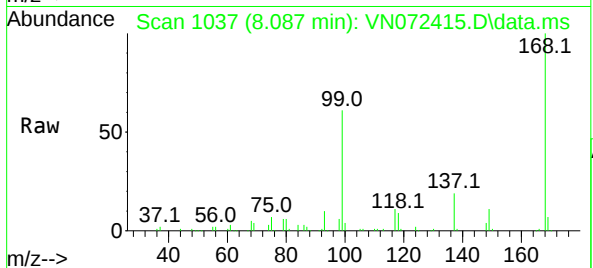
70 0.0 9.3 13.9#



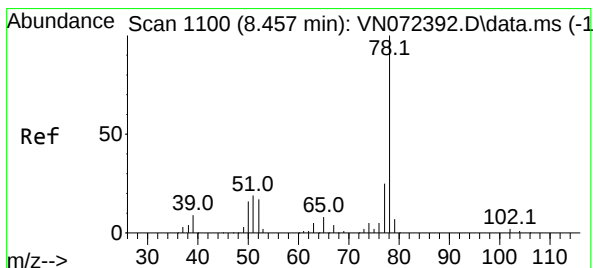
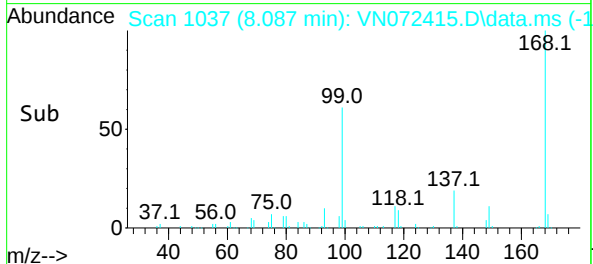
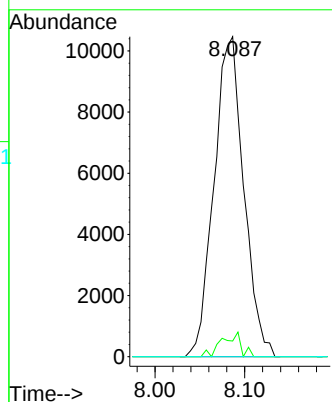


#38  
Carbon Tetrachloride  
Concen: 5.615 ug/l  
RT: 8.087 min Scan# 1100  
Delta R.T. -0.117 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

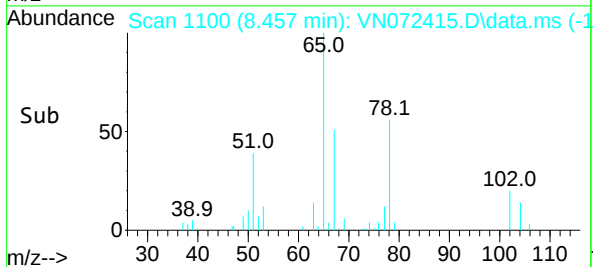
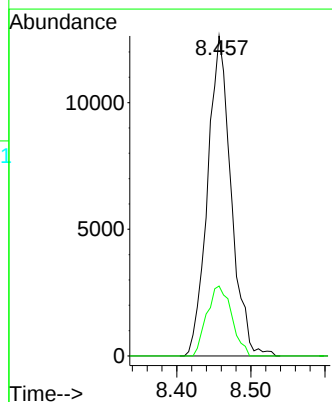
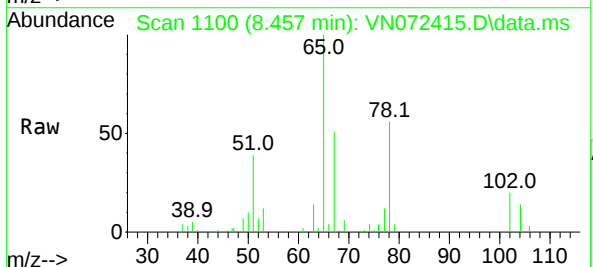


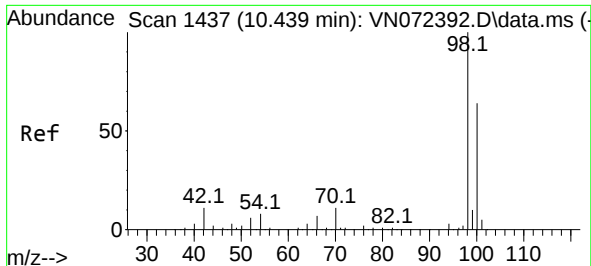
Tgt Ion:117 Resp: 24088  
Ion Ratio Lower Upper  
117 100  
119 4.9 75.8 113.8#  
121 0.0 24.6 37.0#



#40  
Benzene  
Concen: 2.433 ug/l  
RT: 8.457 min Scan# 1100  
Delta R.T. 0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 78 Resp: 27857  
Ion Ratio Lower Upper  
78 100  
77 21.8 19.4 29.0

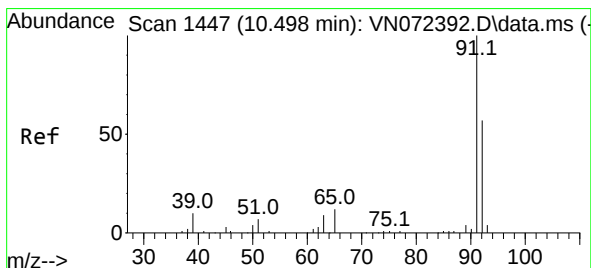
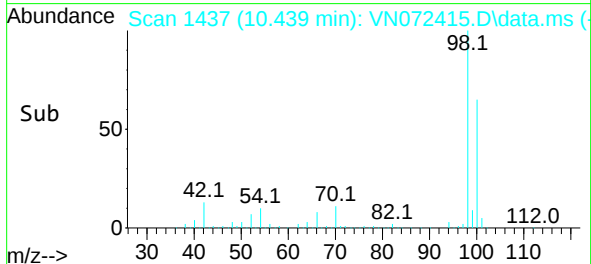
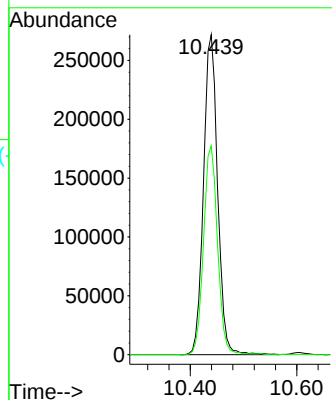
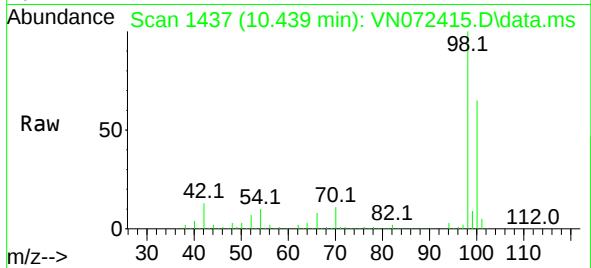




#50  
Toluene-d8  
Concen: 49.035 ug/l  
RT: 10.439 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

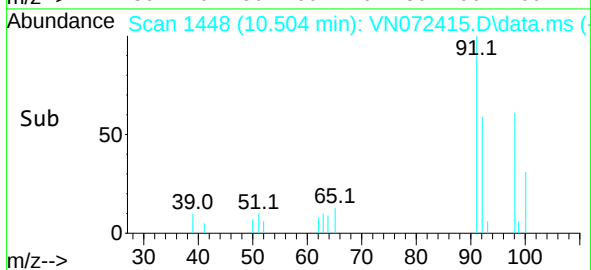
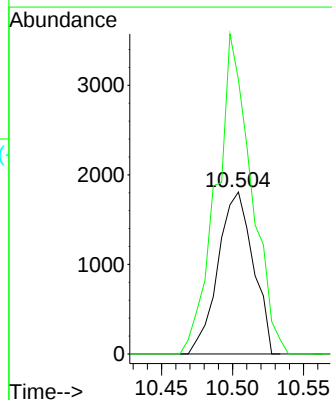
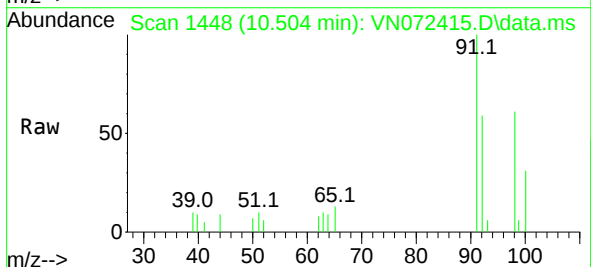
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

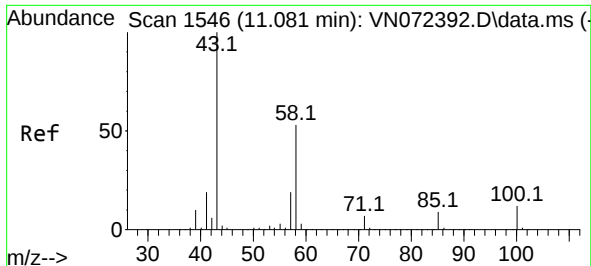
Tgt Ion: 98 Resp: 498430  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 78.8



#52  
Toluene  
Concen: 0.441 ug/l  
RT: 10.504 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 92 Resp: 3115  
Ion Ratio Lower Upper  
92 100  
91 197.1 138.6 207.8





#59

2-Hexanone

Concen: 0.318 ug/l

RT: 11.080 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN072415.D

Acq: 11 May 2022 14:27

Instrument :

MSVOA\_N

ClientSampleId :

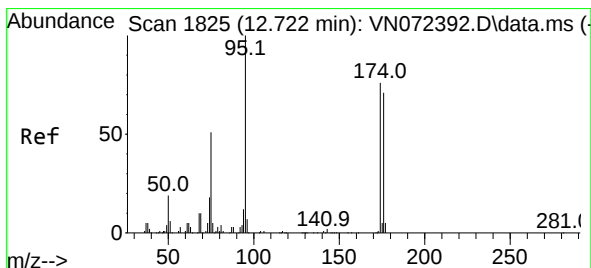
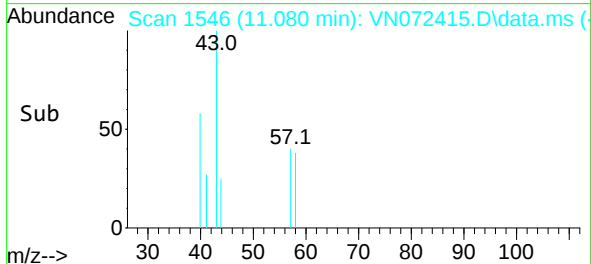
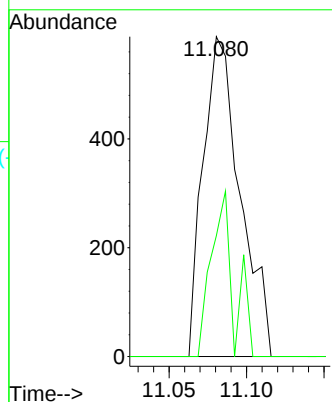
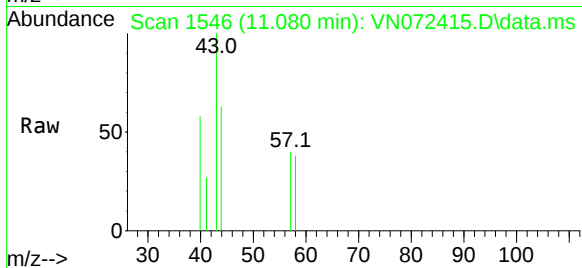
MW-1-20220509

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

58 31.3 29.7 89.1



#62

4-Bromofluorobenzene

Concen: 61.148 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.005 min

Lab File: VN072415.D

Acq: 11 May 2022 14:27

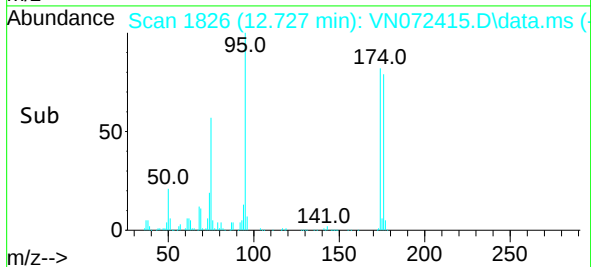
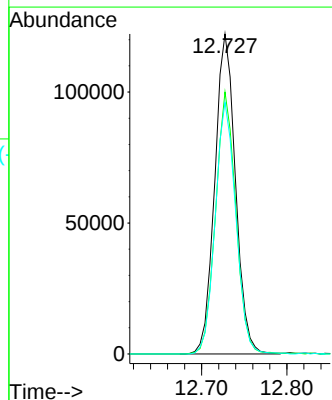
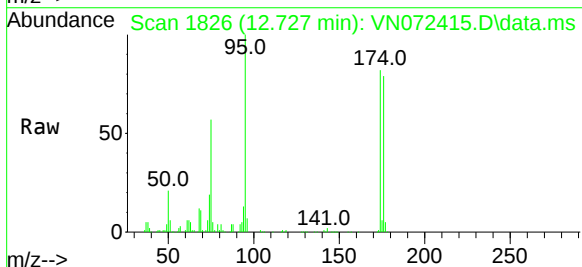
Tgt Ion: 95 Resp: 206420

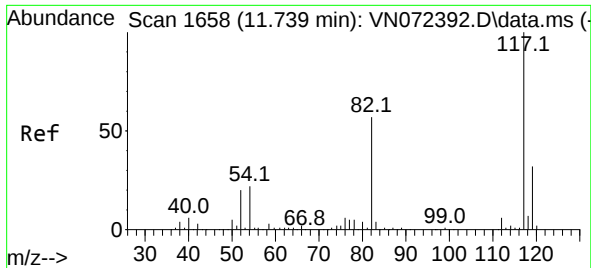
Ion Ratio Lower Upper

95 100

174 80.2 0.0 167.6

176 78.2 0.0 163.4

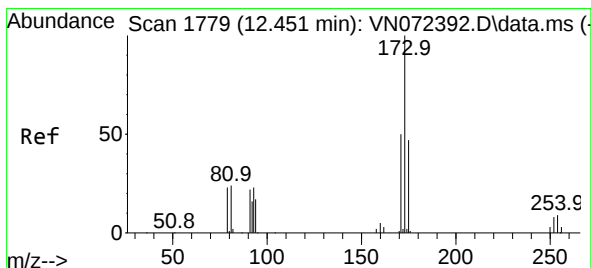
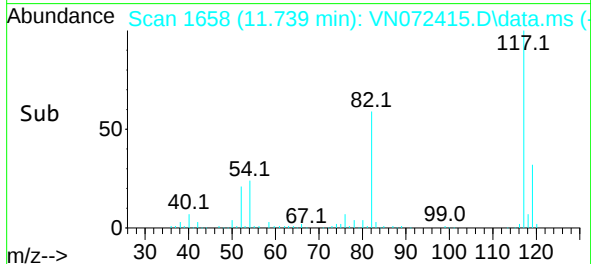
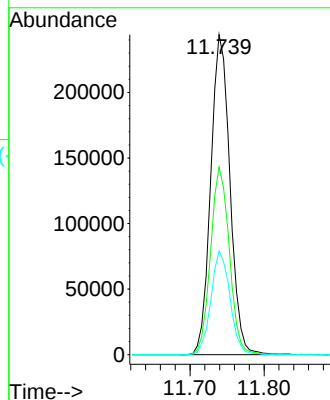
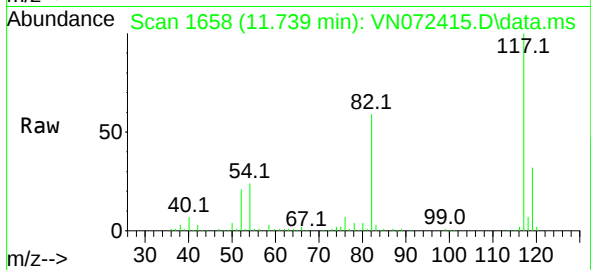




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.739 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

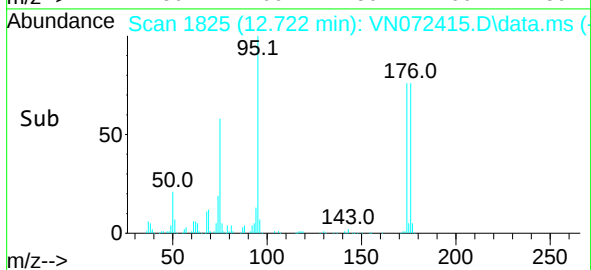
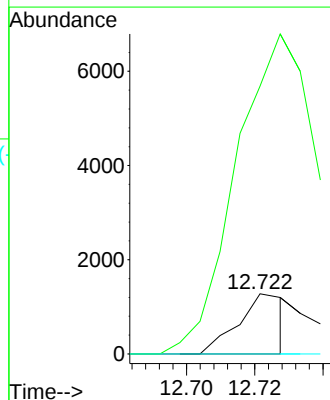
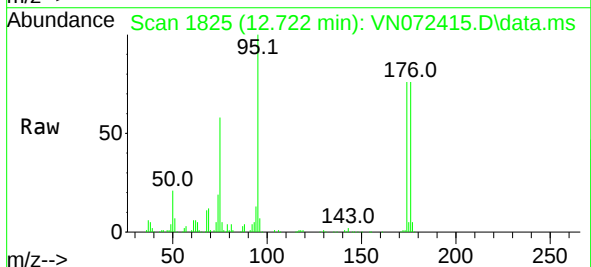
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

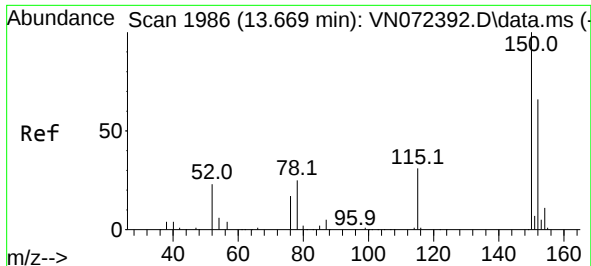
Tgt Ion:117 Resp: 438869  
Ion Ratio Lower Upper  
117 100  
82 58.6 44.2 66.2  
119 32.4 25.4 38.0



#71  
Bromoform  
Concen: 0.465 ug/l  
RT: 12.722 min Scan# 1825  
Delta R.T. 0.271 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion:173 Resp: 1230  
Ion Ratio Lower Upper  
173 100  
175 0.0 24.6 73.6#  
254 0.0 0.1 0.1#

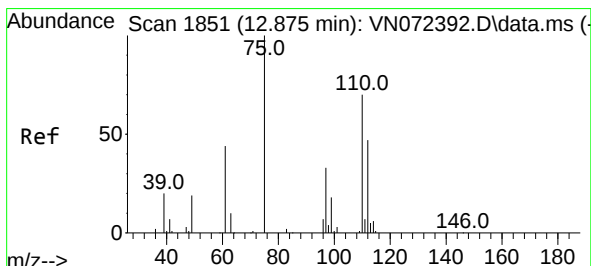
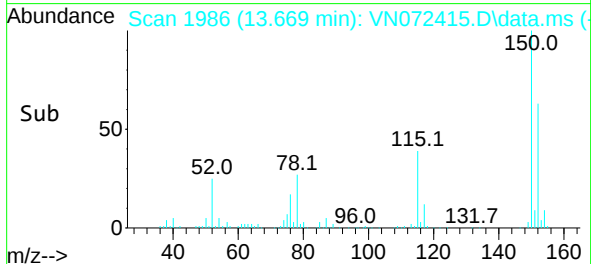
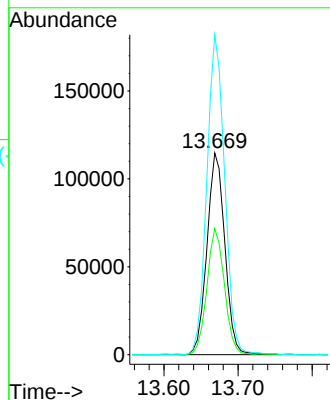
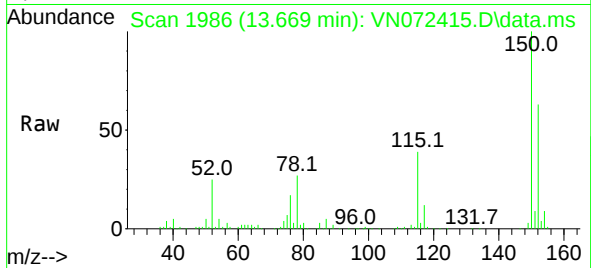




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.669 min Scan# 1986  
Delta R.T. -0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

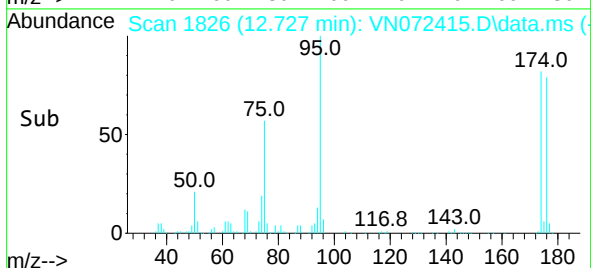
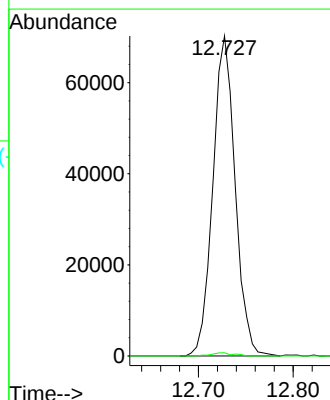
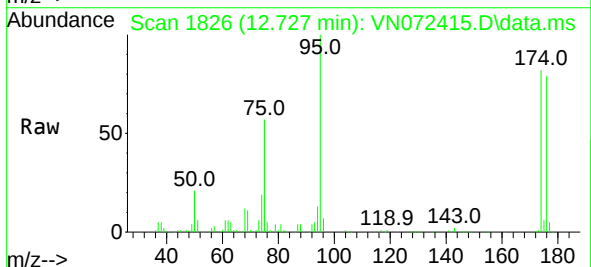
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

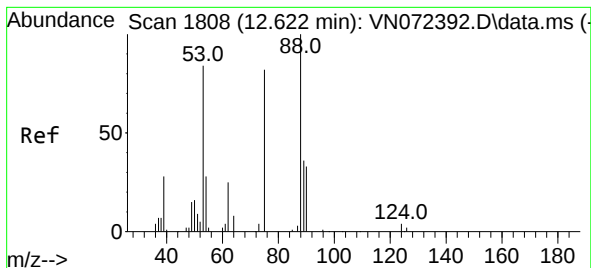
Tgt Ion:152 Resp: 192626  
Ion Ratio Lower Upper  
152 100  
115 61.0 28.9 86.7  
150 158.1 0.0 356.2



#76  
1,2,3-Trichloropropane  
Concen: 22.841 ug/l  
RT: 12.727 min Scan# 1826  
Delta R.T. -0.148 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 75 Resp: 114757  
Ion Ratio Lower Upper  
75 100  
77 1.0 98.5 295.5#

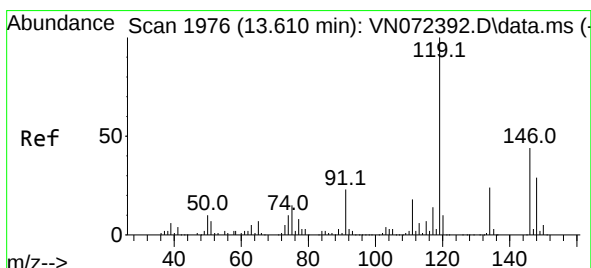
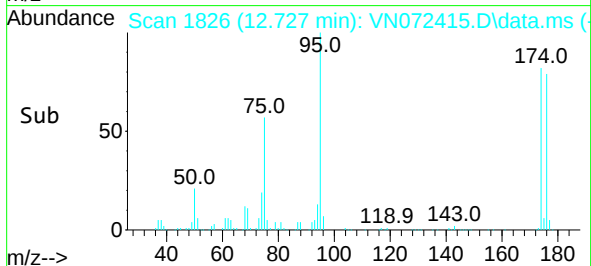
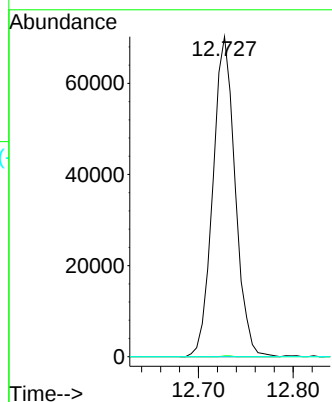
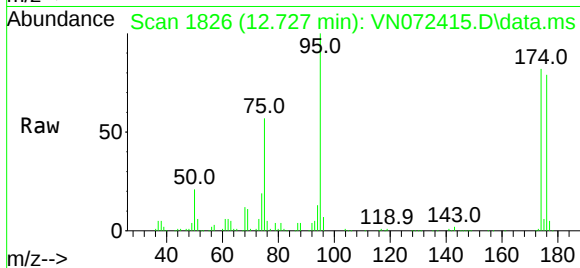




#81  
trans-1,4-Dichloro-2-butene  
Concen: 76.200 ug/l  
RT: 12.727 min Scan# 1808  
Delta R.T. 0.105 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

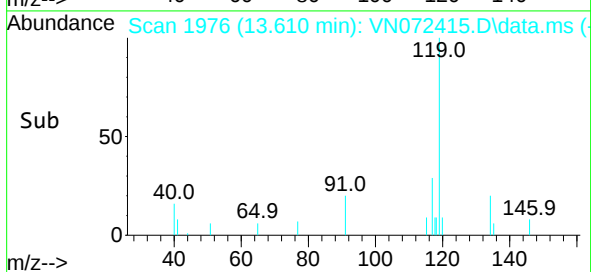
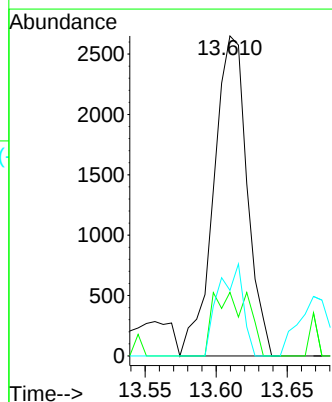
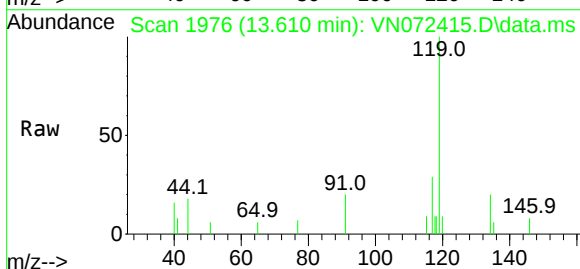
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

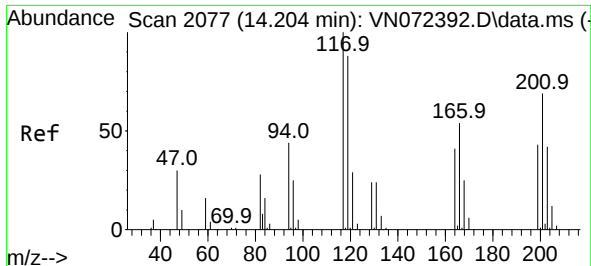
Tgt Ion: 75 Resp: 114757  
Ion Ratio Lower Upper  
75 100  
53 0.1 78.0 117.0#  
89 0.0 37.2 55.8#



#86  
p-Isopropyltoluene  
Concen: 0.364 ug/l  
RT: 13.610 min Scan# 1976  
Delta R.T. -0.000 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion: 119 Resp: 4331  
Ion Ratio Lower Upper  
119 100  
134 21.0 13.3 39.8  
91 21.2 11.3 33.9

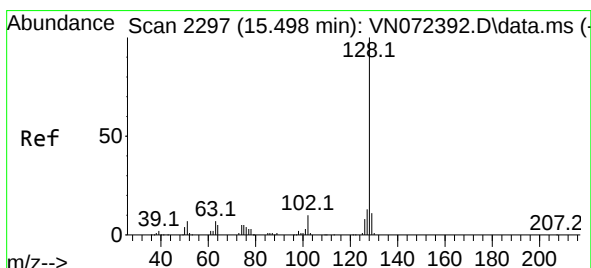
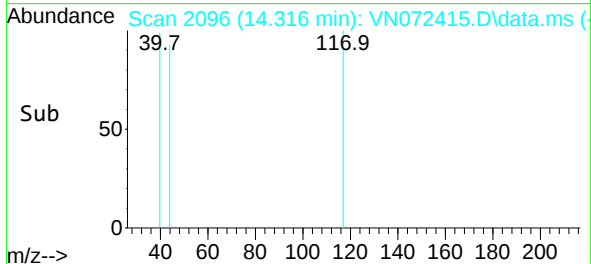
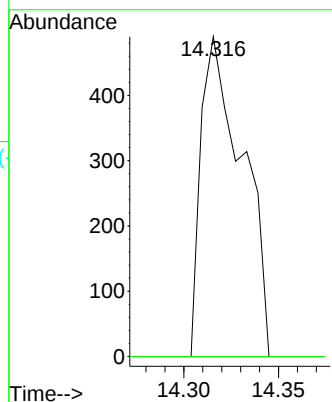
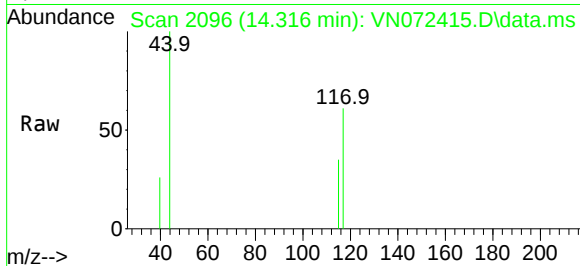




#90  
Hexachloroethane  
Concen: 0.315 ug/l  
RT: 14.316 min Scan# 2077  
Delta R.T. 0.112 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-1-20220509

Tgt Ion:117 Resp: 748  
Ion Ratio Lower Upper  
117 100  
201 0.0 40.6 122.0#



#95  
Naphthalene  
Concen: 36.991 ug/l  
RT: 15.504 min Scan# 2298  
Delta R.T. 0.006 min  
Lab File: VN072415.D  
Acq: 11 May 2022 14:27

Tgt Ion:128 Resp: 332429  
Ion Ratio Lower Upper  
128 100  
127 12.5 10.3 15.5  
129 10.9 8.6 13.0

