

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072022\  
 Data File : VY009617.D  
 Acq On : 20 Jul 2022 17:05  
 Operator : KP/MD  
 Sample : N3726-03  
 Misc : 6.83g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 AWOM-12-12.5

Quant Time: Jul 21 02:15:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.782  | 168  | 277991   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 462556   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 422381   | 50.000 | ug/l  | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 243861   | 50.000 | ug/l  | # 0.00   |

|                             |        |       |          |          |      |           |
|-----------------------------|--------|-------|----------|----------|------|-----------|
| System Monitoring Compounds |        |       |          |          |      |           |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 111582   | 42.441   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 84.880%   |
| 35) Dibromofluoromethane    | 7.709  | 113   | 110120   | 37.789   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 75.580%   |
| 50) Toluene-d8              | 10.178 | 98    | 979180   | 87.406   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 78 - 125 | Recovery | =    | 174.820%# |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 350186   | 96.470   | ug/l | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 146 | Recovery | =    | 192.940%# |

|                               |        |     |          |           |        |     |
|-------------------------------|--------|-----|----------|-----------|--------|-----|
| Target Compounds              |        |     |          | Qvalue    |        |     |
| 11) Tert butyl alcohol        | 4.942  | 59  | 632      | Below Cal | #      | 77  |
| 13) Acrolein                  | 3.680  | 56  | 1549     | 8.241     | ug/l # | 1   |
| 14) Allyl chloride            | 4.557  | 41  | 12276    | 3.104     | ug/l # | 63  |
| 15) Acrylonitrile             | 5.222  | 53  | 80580    | 111.326   | ug/l # | 40  |
| 16) Acetone                   | 3.930  | 43  | 87416    | 131.436   | ug/l # | 74  |
| 20) Methylene Chloride        | 4.698  | 84  | 28866    | Below Cal | #      | 21  |
| 23) Vinyl Acetate             | 6.082  | 43  | 16123    | 3.026     | ug/l # | 85  |
| 24) 1,1-Dichloroethane        | 6.088  | 63  | 5813     | 1.192     | ug/l # | 82  |
| 25) 2-Butanone                | 6.966  | 43  | 122305   | 126.068   | ug/l # | 58  |
| 29) Tetrahydrofuran           | 7.344  | 42  | 4822     | 7.571     | ug/l # | 38  |
| 30) Chloroform                | 7.453  | 83  | 200133   | 40.112    | ug/l # | 18  |
| 31) Cyclohexane               | 7.758  | 56  | 3492684  | 753.406   | ug/l # | 51  |
| 37) Ethyl Acetate             | 6.966  | 43  | 122305   | 51.031    | ug/l # | 74  |
| 38) Carbon Tetrachloride      | 7.776  | 117 | 25095    | 5.567     | ug/l # | 14  |
| 39) Methylcyclohexane         | 9.179  | 83  | 5964189  | 1123.260  | ug/l   | 96  |
| 41) Methacrylonitrile         | 7.344  | 41  | 48953    | 42.566    | ug/l # | 42  |
| 42) 1,2-Dichloroethane        | 8.264  | 62  | 9689     | 2.741     | ug/l # | 1   |
| 43) Isopropyl Acetate         | 8.264  | 43  | 1874122  | 426.750   | ug/l # | 57  |
| 45) 1,2-Dichloropropane       | 9.179  | 63  | 75770    | 24.510    | ug/l # | 1   |
| 47) Bromodichloromethane      | 9.477  | 83  | 672299   | 159.687   | ug/l # | 26  |
| 48) Methyl methacrylate       | 9.319  | 41  | 427234   | 220.192   | ug/l # | 33  |
| 49) 1,4-Dioxane               | 9.246  | 88  | 132      | 5.515     | ug/l # | 1   |
| 51) 4-Methyl-2-Pentanone      | 10.111 | 43  | 891834   | 391.116   | ug/l # | 88  |
| 52) Toluene                   | 10.239 | 92  | 112519   | 14.097    | ug/l   | 100 |
| 55) 1,1,2-Trichloroethane     | 10.617 | 97  | 3633148  | 1436.802  | ug/l # | 21  |
| 56) Ethyl methacrylate        | 10.520 | 69  | 178687   | 55.234    | ug/l # | 1   |
| 58) 2-Chloroethyl Vinyl ether | 9.758  | 63  | 48585    | 52.949    | ug/l # | 48  |
| 59) 2-Hexanone                | 10.800 | 43  | 3738427  | 2357.227  | ug/l # | 35  |
| 60) Dibromochloromethane      | 10.904 | 129 | 30734    | 10.044    | ug/l   | 60  |
| 61) 1,2-Dibromoethane         | 11.062 | 107 | 13459    | 5.455     | ug/l # | 1   |
| 65) Chlorobenzene             | 11.629 | 112 | 75803    | 8.782     | ug/l # | 42  |
| 67) Ethyl Benzene             | 11.593 | 91  | 11633726 | 766.358   | ug/l # | 84  |
| 68) m/p-Xylenes               | 11.703 | 106 | 10439292 | 1727.914  | ug/l   | 76  |
| 69) o-Xylene                  | 12.026 | 106 | 1535872  | 271.654   | ug/l   | 92  |
| 70) Styrene                   | 12.026 | 104 | 75594    | 8.039     | ug/l # | 1   |
| 73) Isopropylbenzene          | 12.330 | 105 | 4275027  | 253.198   | ug/l   | 98  |

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 ALS Vial : 15 Sample Multiplier: 1

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 ClientSampleId :  
 AWOM-12-12.5

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

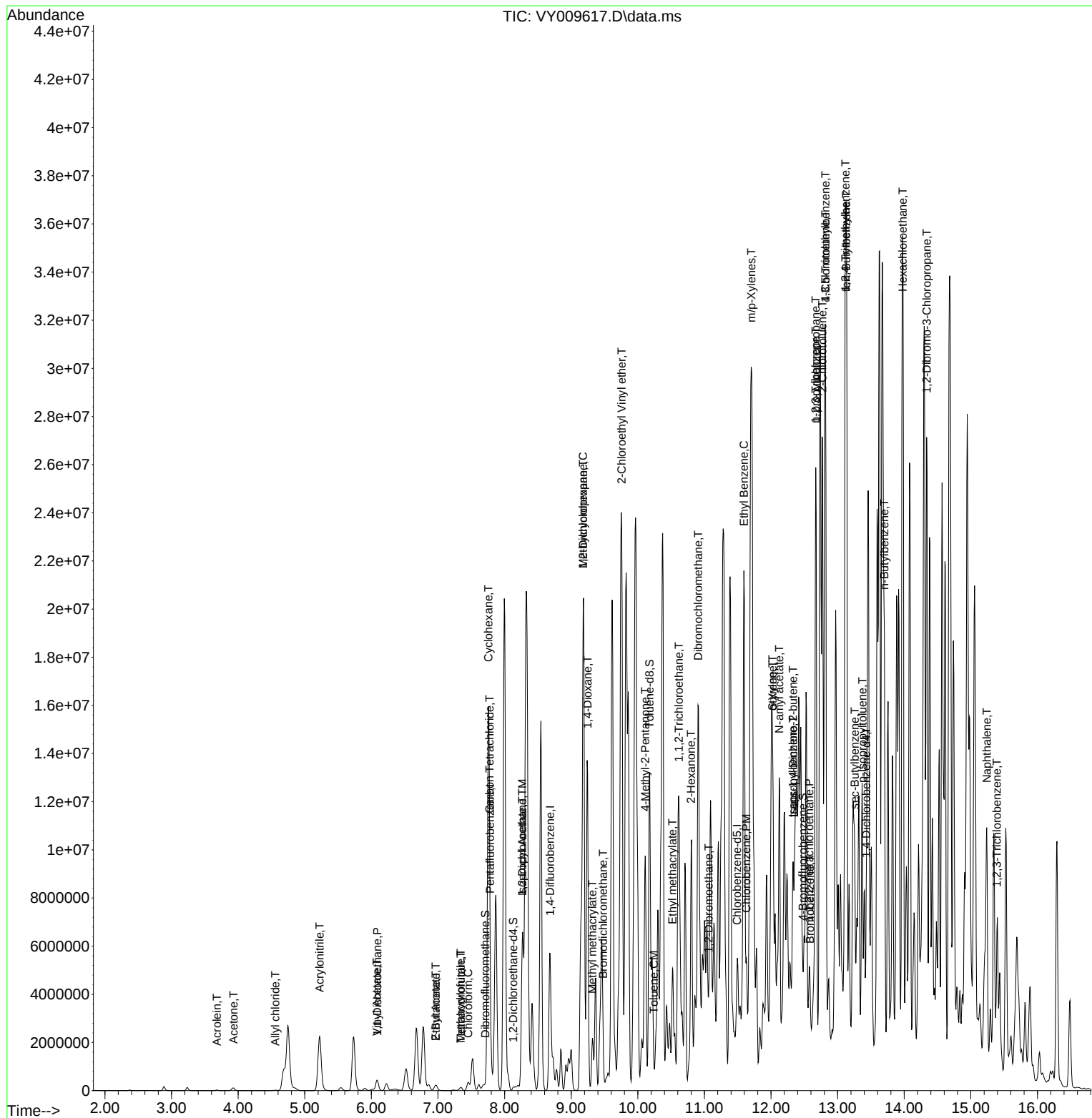
| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| -----                         |        |      |          |          |        |          |
| 74) N-amyl acetate            | 12.123 | 43   | 2389198  | 532.068  | ug/l # | 61       |
| 75) 1,1,2,2-Tetrachloroethane | 12.574 | 83   | 62546    | 18.497   | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.672 | 75   | 124798   | 53.722   | ug/l # | 100      |
| 77) Bromobenzene              | 12.586 | 156  | 6590     | 1.552    | ug/l # | 1        |
| 78) n-propylbenzene           | 12.672 | 91   | 16082901 | 788.303  | ug/l   | 78       |
| 79) 2-Chlorotoluene           | 12.769 | 91   | 1771358  | 156.598  | ug/l # | 41       |
| 80) 1,3,5-Trimethylbenzene    | 12.818 | 105  | 12252607 | 878.225  | ug/l   | 89       |
| 81) trans-1,4-Dichloro-2-b... | 12.330 | 75   | 44694    | 37.936   | ug/l # | 1        |
| 82) 4-Chlorotoluene           | 12.818 | 91   | 1541285  | 131.341  | ug/l # | 43       |
| 83) tert-Butylbenzene         | 13.129 | 119  | 4326013  | 349.010  | ug/l # | 71       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 21718111 | 1556.548 | ug/l   | 67       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 4515906  | 245.732  | ug/l # | 44       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 1547341  | 100.190  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.702 | 91   | 11916344 | 844.839  | ug/l # | 75       |
| 90) Hexachloroethane          | 13.976 | 117  | 2315419  | 778.184  | ug/l # | 6        |
| 92) 1,2-Dibromo-3-Chloropr... | 14.336 | 75   | 82983    | 161.316  | ug/l # | 6        |
| 95) Naphthalene               | 15.238 | 128  | 6812312  | 774.806  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.391 | 180  | 4967     | 1.228    | ug/l # | 1        |
| -----                         |        |      |          |          |        |          |

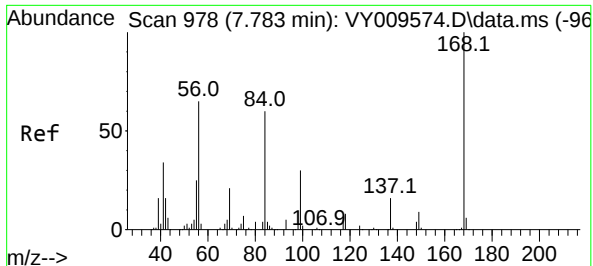
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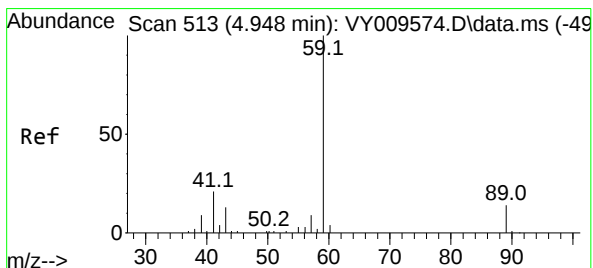
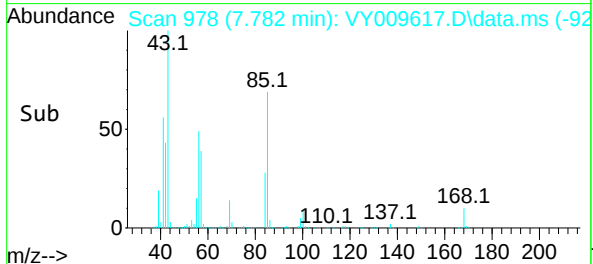
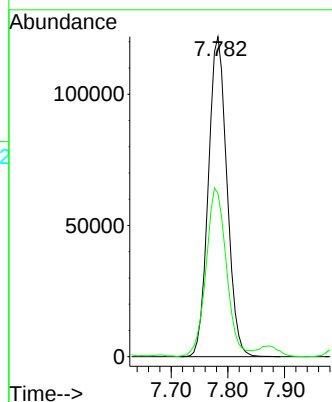
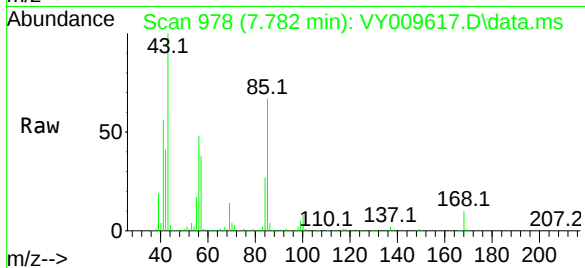




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.782 min Scan# 91  
Delta R.T. -0.001 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

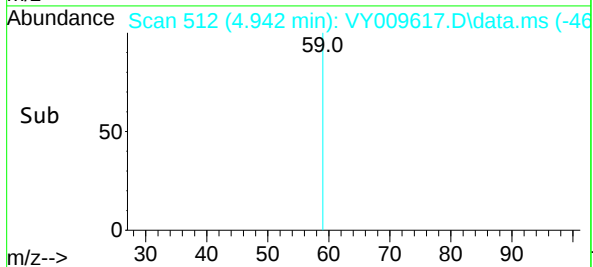
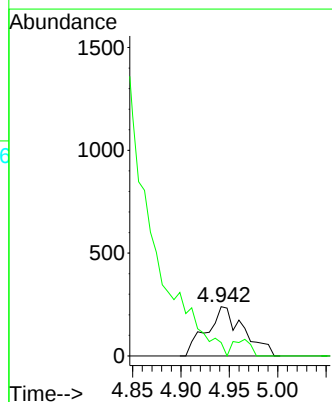
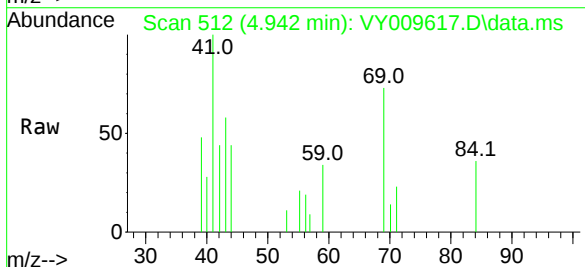
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

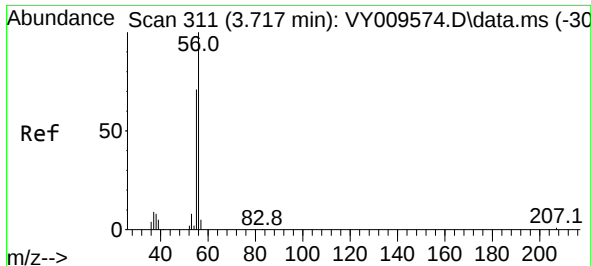
Tgt Ion:168 Resp: 277991  
Ion Ratio Lower Upper  
168 100  
99 50.9 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.006 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 59 Resp: 632  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

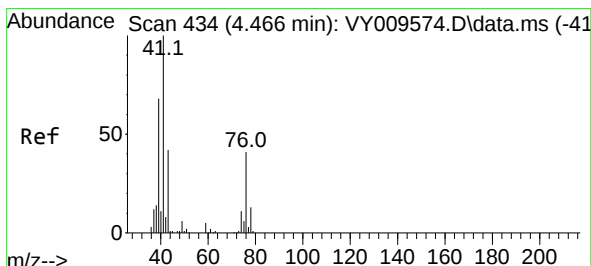
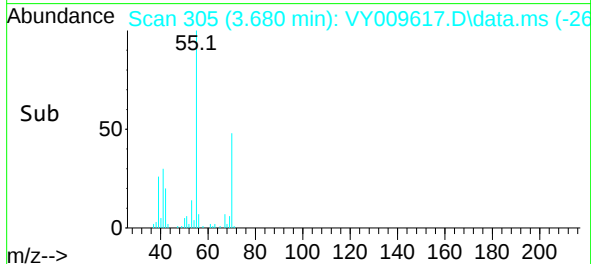
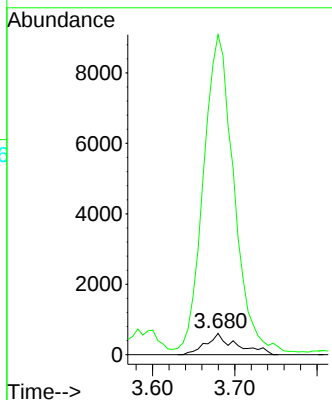
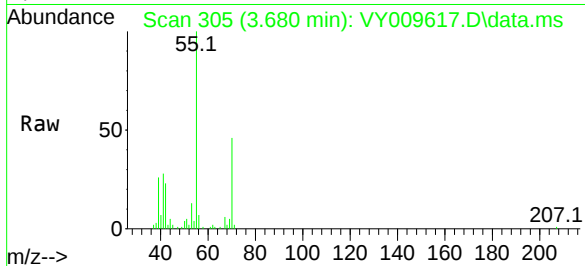




#13  
Acrolein  
Concen: 8.241 ug/l  
RT: 3.680 min Scan# 305  
Delta R.T. -0.037 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

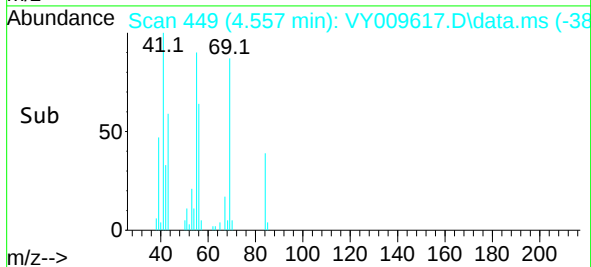
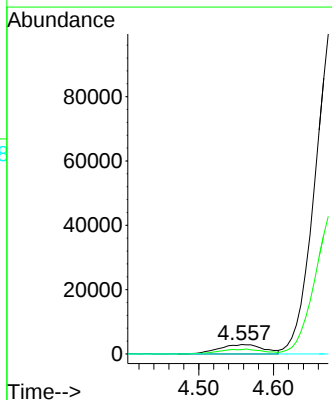
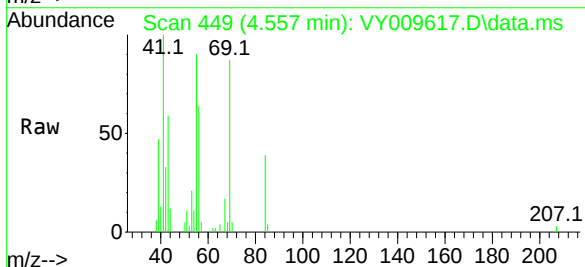
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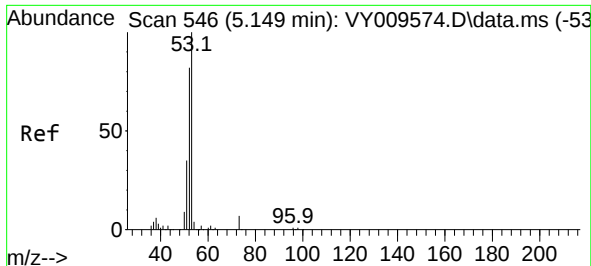
Tgt Ion: 56 Resp: 1549  
Ion Ratio Lower Upper  
56 100  
55 1504.7 57.6 86.4#



#14  
Allyl chloride  
Concen: 3.104 ug/l  
RT: 4.557 min Scan# 449  
Delta R.T. 0.091 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 41 Resp: 12276  
Ion Ratio Lower Upper  
41 100  
39 49.2 58.8 88.2#  
76 0.0 25.1 37.7#

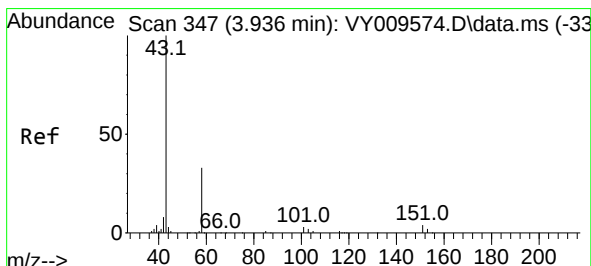
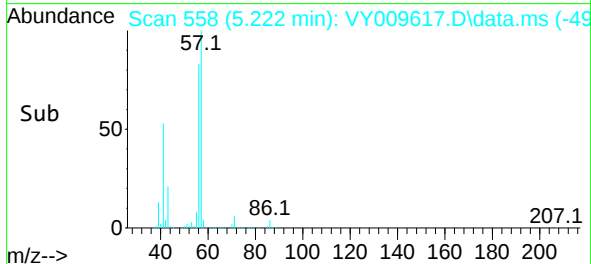
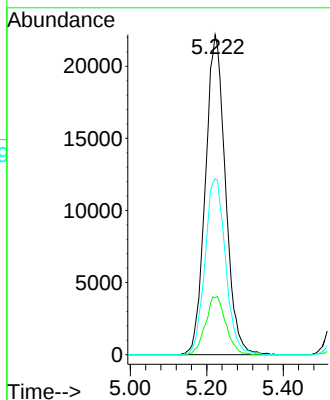
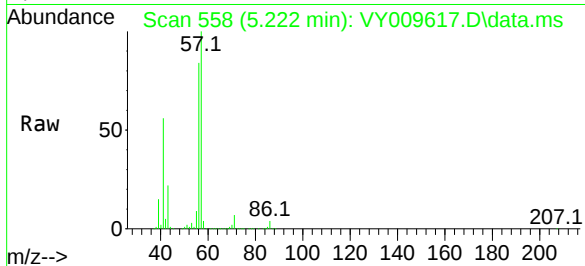




#15  
Acrylonitrile  
Concen: 111.326 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.073 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

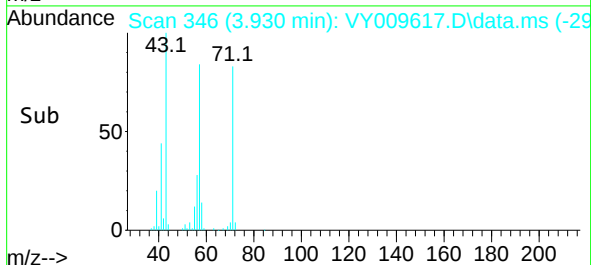
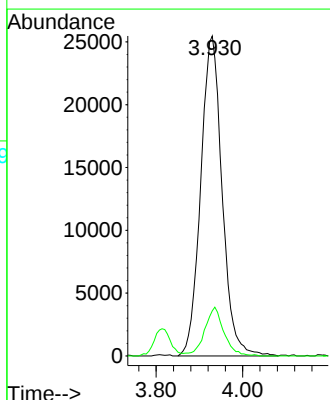
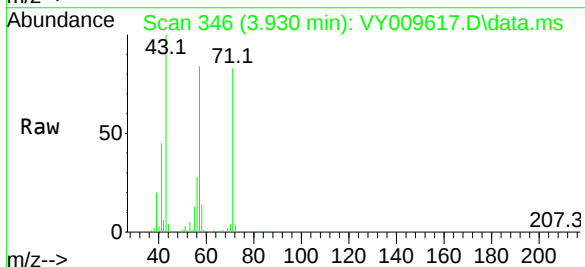
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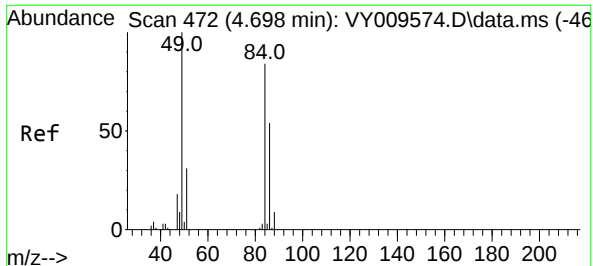
Tgt Ion: 53 Resp: 80580  
Ion Ratio Lower Upper  
53 100  
52 18.5 67.0 100.4#  
51 56.4 29.8 44.6#



#16  
Acetone  
Concen: 131.436 ug/l  
RT: 3.930 min Scan# 346  
Delta R.T. -0.007 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

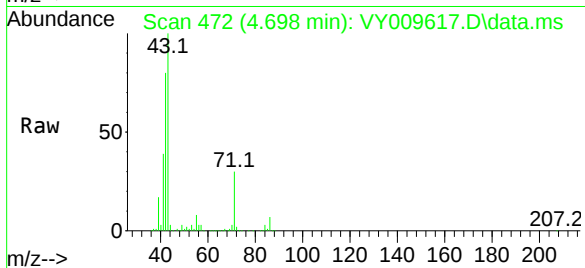
Tgt Ion: 43 Resp: 87416  
Ion Ratio Lower Upper  
43 100  
58 14.1 22.0 33.0#



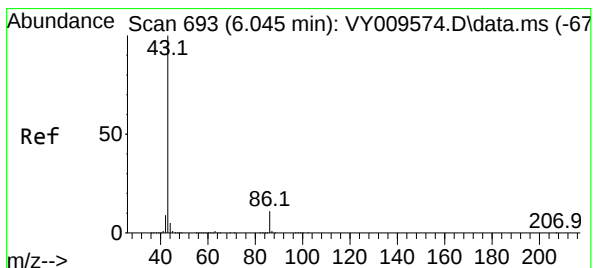
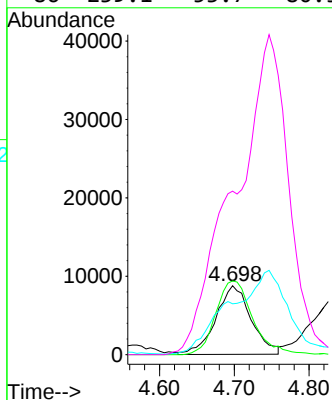
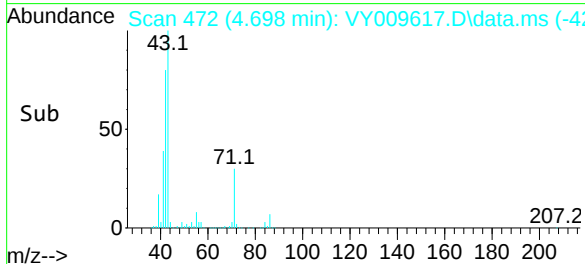


#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY009617.D  
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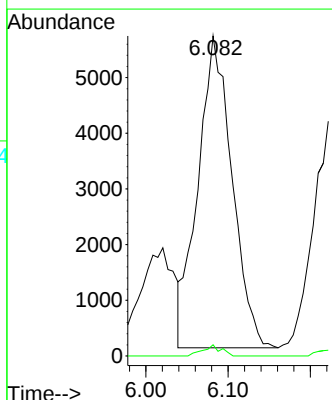
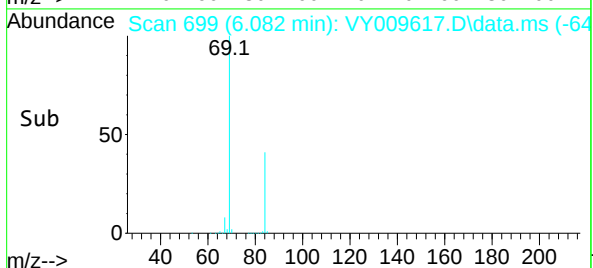
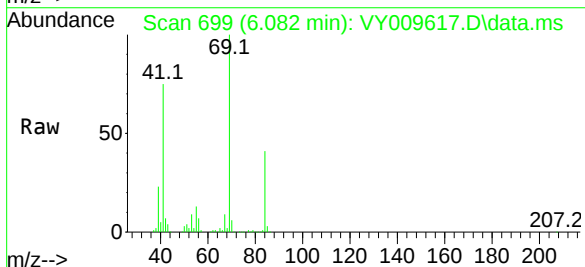


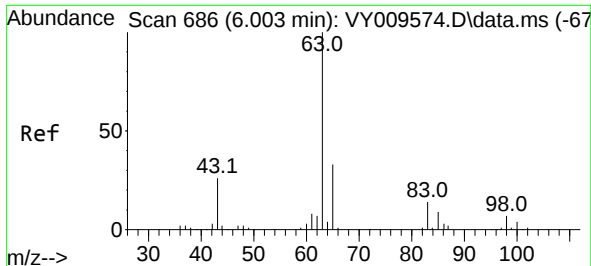
Tgt Ion: 84 Resp: 28866  
Ion Ratio Lower Upper  
84 100  
49 110.3 114.4 171.6#  
51 73.8 35.3 52.9#  
86 239.1 53.7 80.5#



#23  
Vinyl Acetate  
Concen: 3.026 ug/l  
RT: 6.082 min Scan# 699  
Delta R.T. 0.036 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 43 Resp: 16123  
Ion Ratio Lower Upper  
43 100  
86 3.6 7.1 10.7#

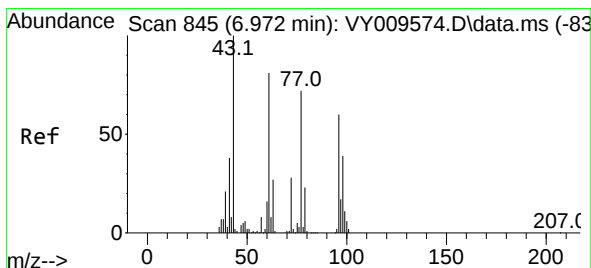
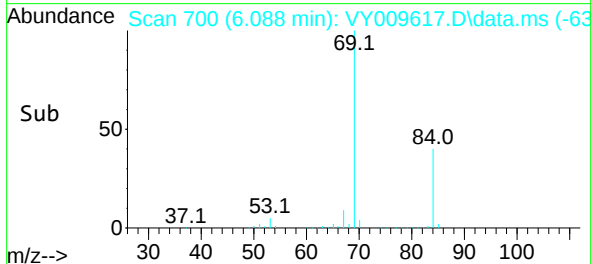
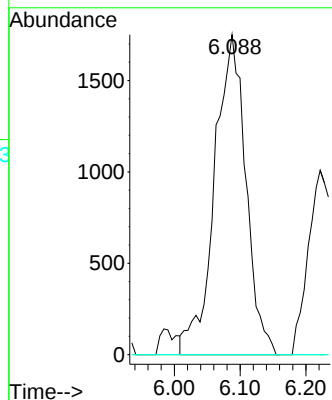
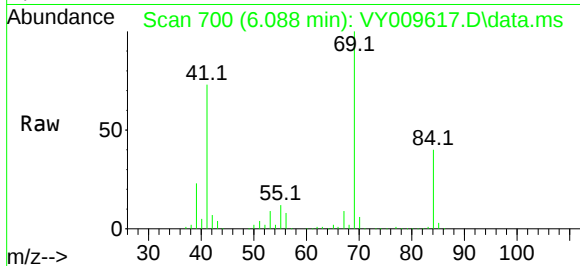




#24  
1,1-Dichloroethane  
Concen: 1.192 ug/l  
RT: 6.088 min Scan# 70  
Delta R.T. 0.085 min  
Lab File: VY009617.D  
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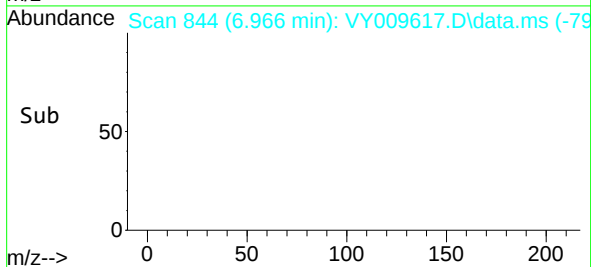
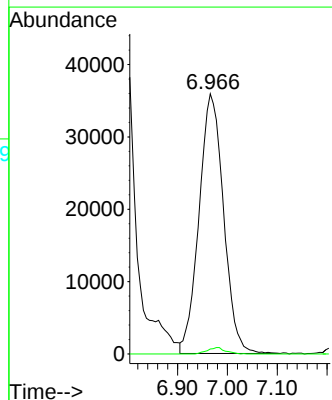
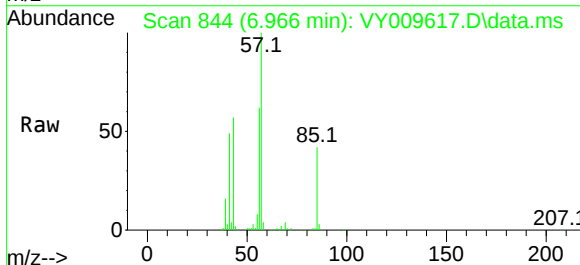
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MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

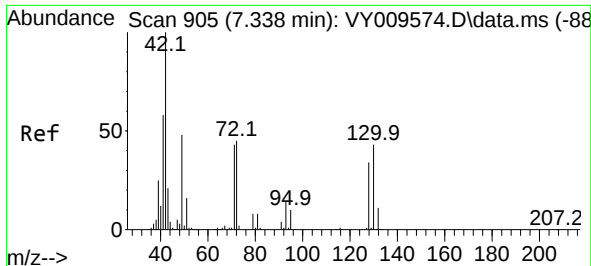
Tgt Ion: 63 Resp: 5813  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.6 10.8#  
100 0.0 2.0 5.8#



#25  
2-Butanone  
Concen: 126.068 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.007 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 43 Resp: 122305  
Ion Ratio Lower Upper  
43 100  
72 1.9 17.7 26.5#





#29

Tetrahydrofuran

Concen: 7.571 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

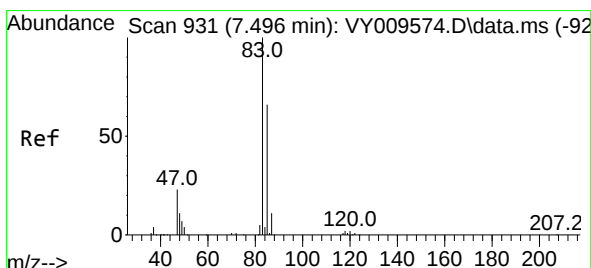
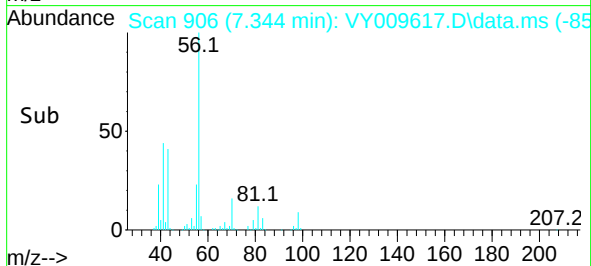
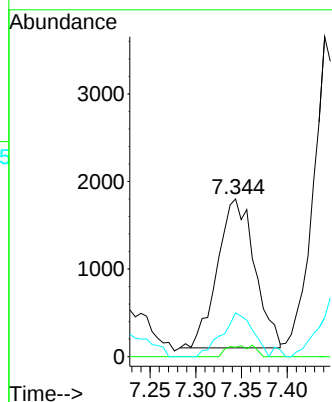
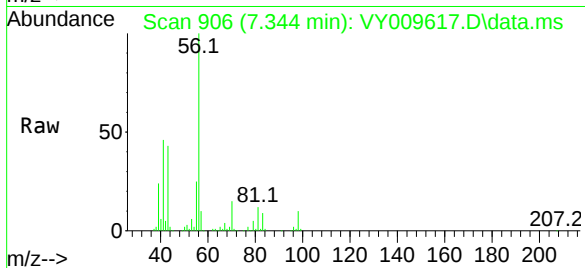
Tgt Ion: 42 Resp: 4822

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 0.0 29.0 43.4#



#30

Chloroform

Concen: 40.112 ug/l

RT: 7.453 min Scan# 924

Delta R.T. -0.043 min

Lab File: VY009617.D

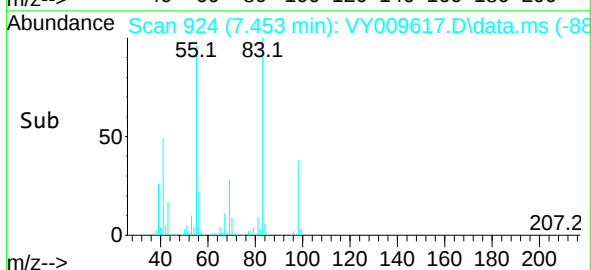
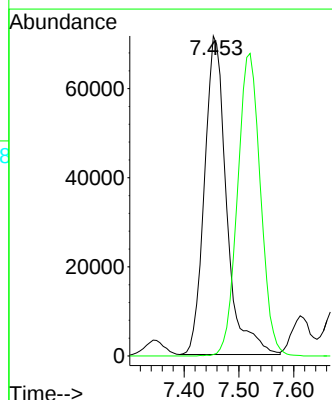
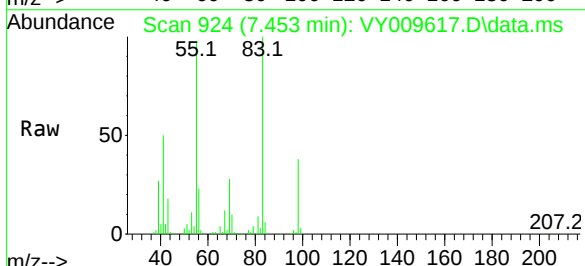
Acq: 20 Jul 2022 17:05

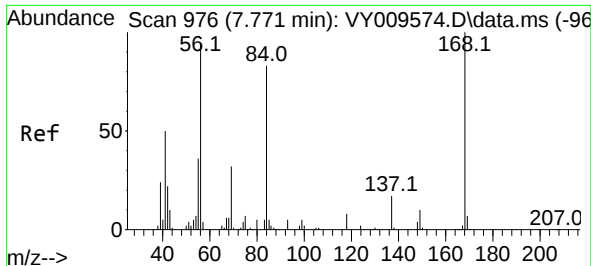
Tgt Ion: 83 Resp: 200133

Ion Ratio Lower Upper

83 100

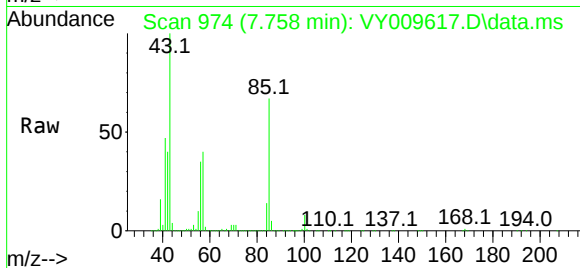
85 0.4 51.8 77.6#



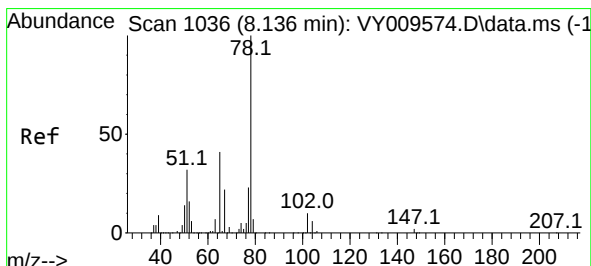
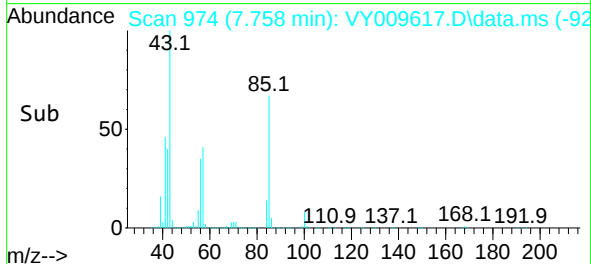
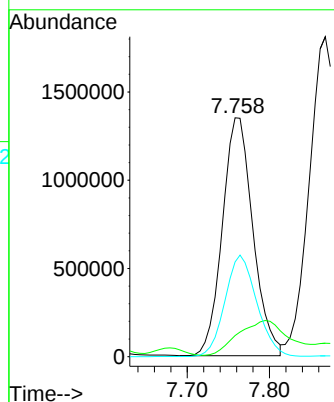


#31  
Cyclohexane  
Concen: 753.406 ug/l  
RT: 7.758 min Scan# 91  
Delta R.T. -0.013 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

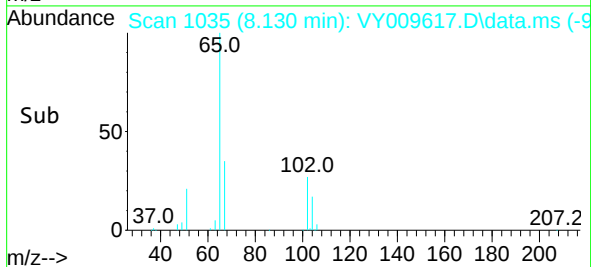
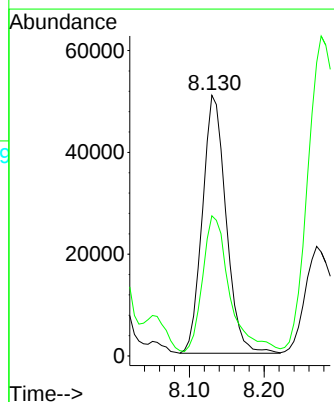
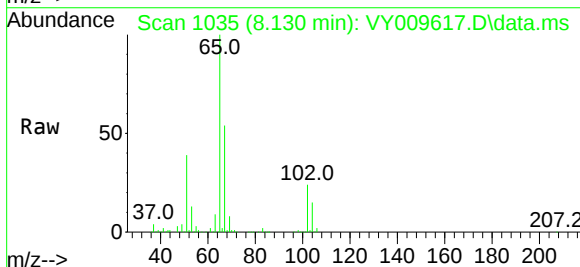


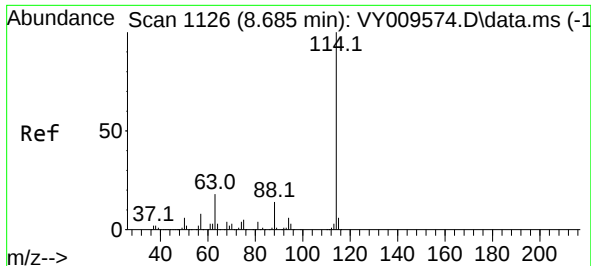
Tgt Ion: 56 Resp: 3492684  
Ion Ratio Lower Upper  
56 100  
69 6.1 26.7 40.1#  
84 39.8 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 42.441 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.007 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 65 Resp: 111582  
Ion Ratio Lower Upper  
65 100  
67 59.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

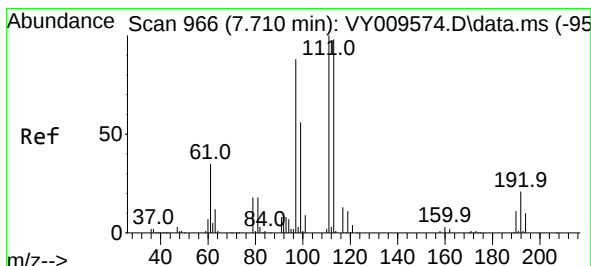
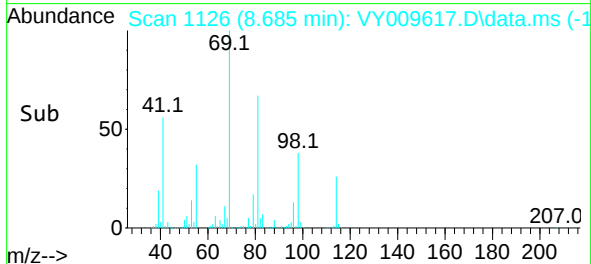
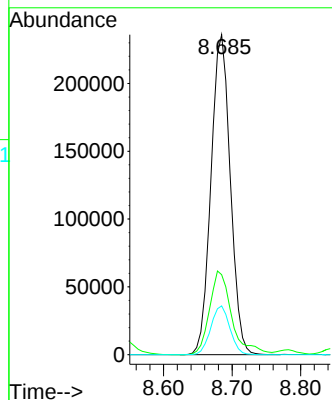
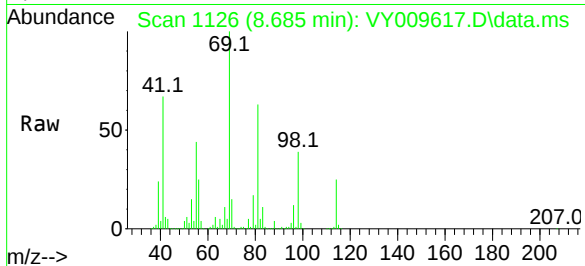
Tgt Ion:114 Resp: 462556

Ion Ratio Lower Upper

114 100

63 25.0 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 37.789 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

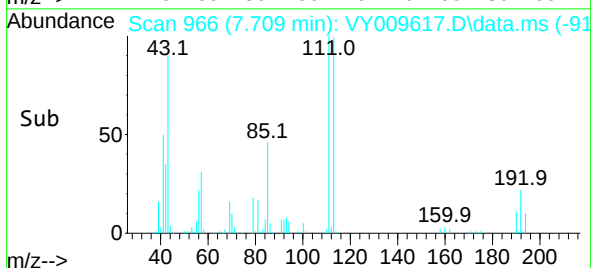
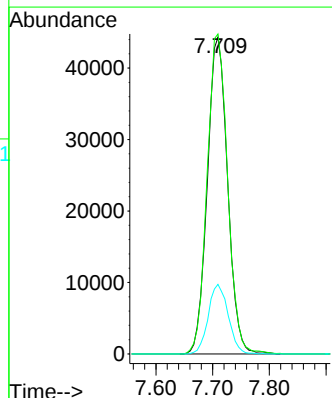
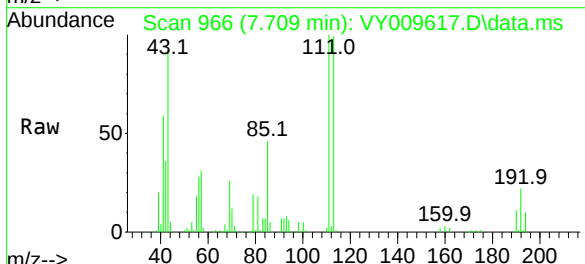
Tgt Ion:113 Resp: 110120

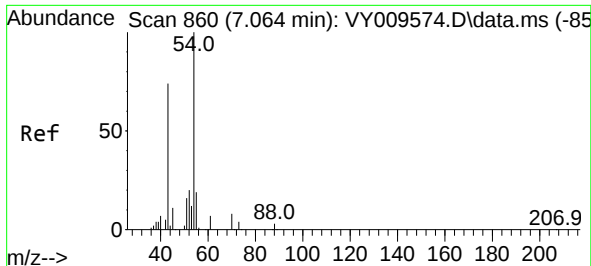
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 21.7 17.6 26.4





#37

Ethyl Acetate

Concen: 51.031 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.098 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

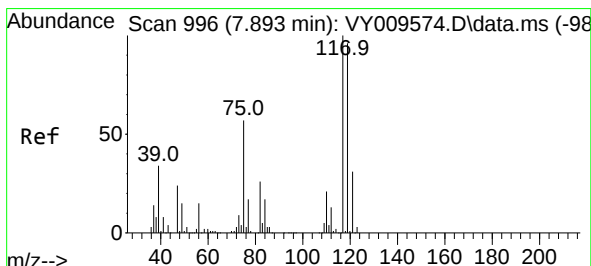
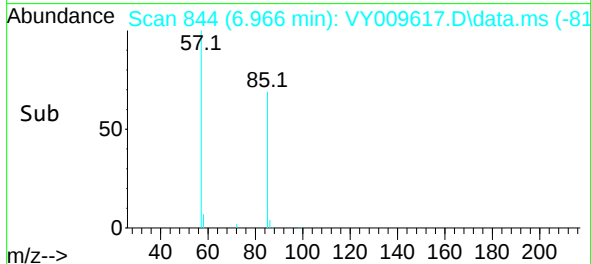
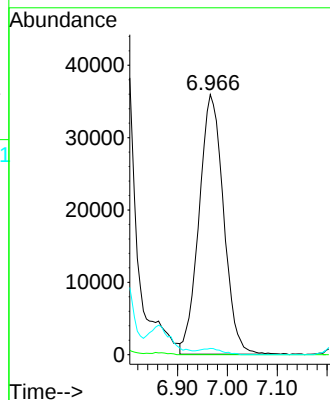
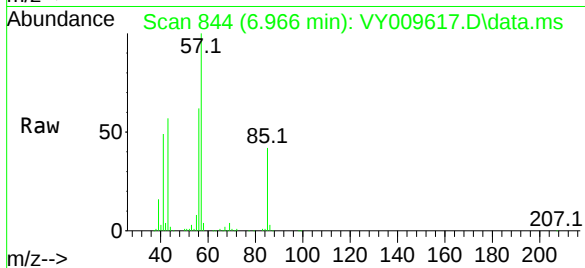
Tgt Ion: 43 Resp: 122305

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 2.2 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.776 min Scan# 977

Delta R.T. -0.116 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

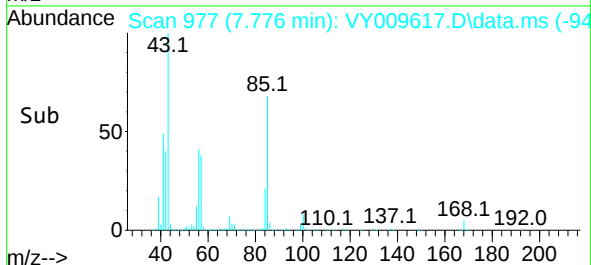
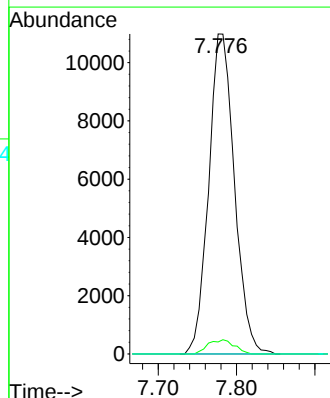
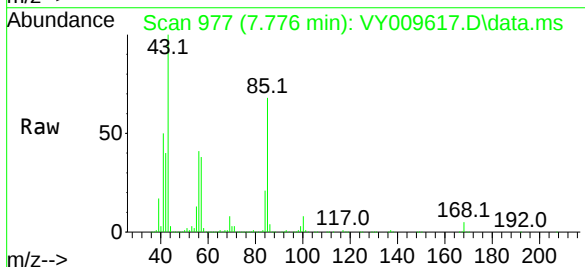
Tgt Ion: 117 Resp: 25095

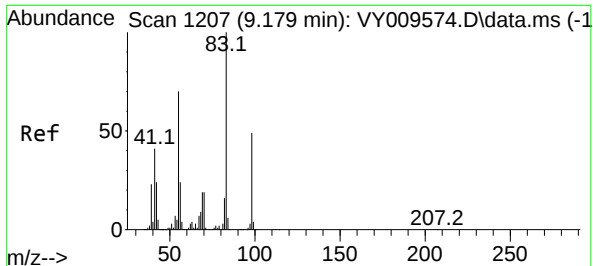
Ion Ratio Lower Upper

117 100

119 3.7 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1123.260 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

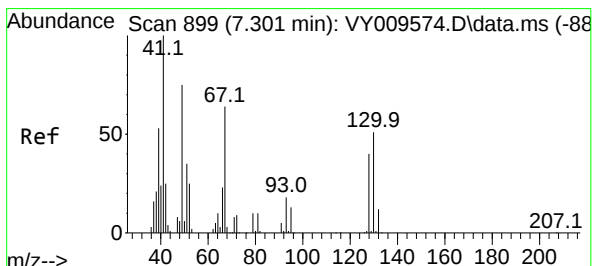
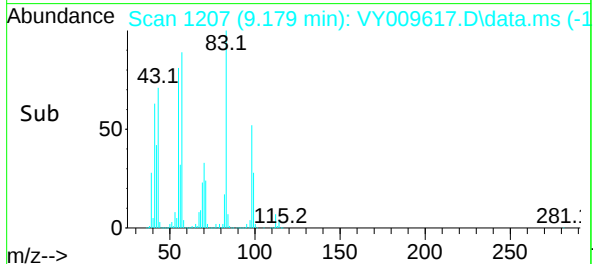
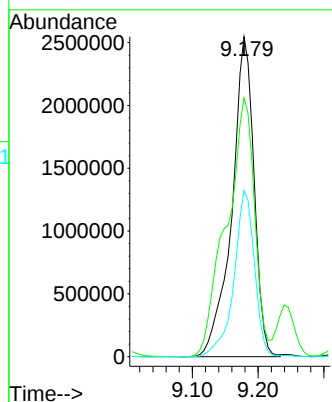
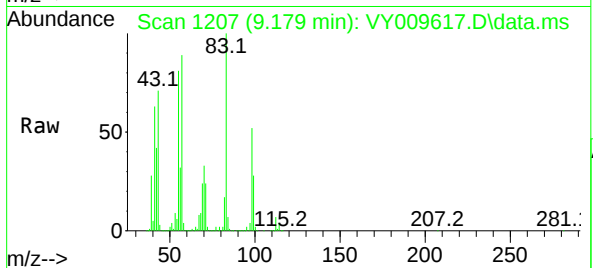
MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

Tgt Ion: 83 Resp: 5964189

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.8  | 66.5  | 99.7  |
| 98  | 51.9  | 37.9  | 56.9  |



#41

Methacrylonitrile

Concen: 42.566 ug/l

RT: 7.344 min Scan# 906

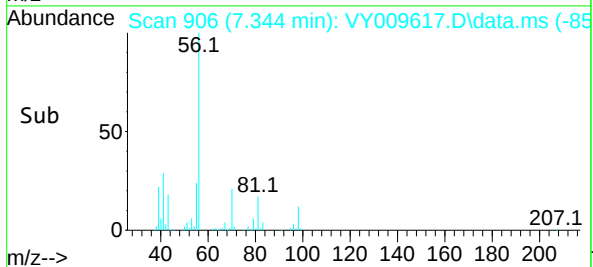
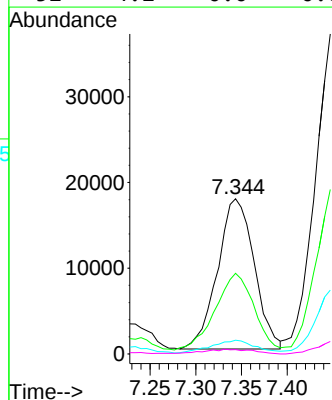
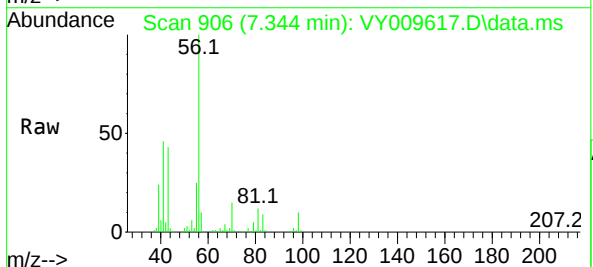
Delta R.T. 0.042 min

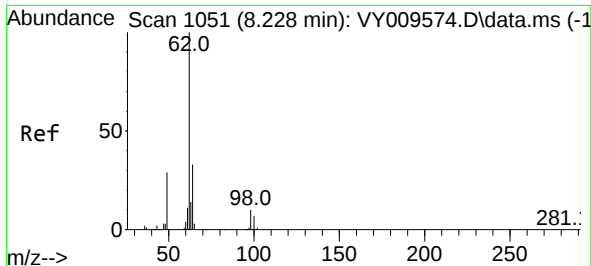
Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Tgt Ion: 41 Resp: 48953

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 41  | 100   |       |        |
| 39  | 52.8  | 92.9  | 139.3# |
| 67  | 0.0   | 0.0   | 0.0    |
| 52  | 4.2   | 0.0   | 0.0#   |





#42

1,2-Dichloroethane

Concen: 2.741 ug/l

RT: 8.264 min Scan# 1057

Delta R.T. 0.036 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

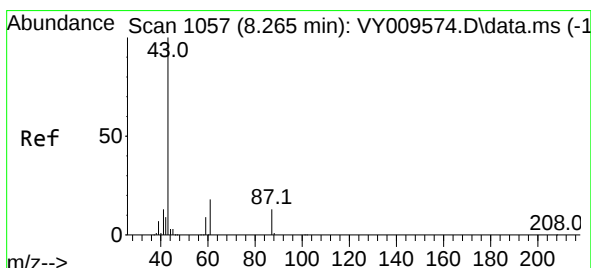
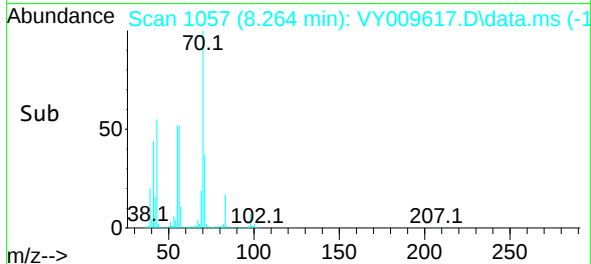
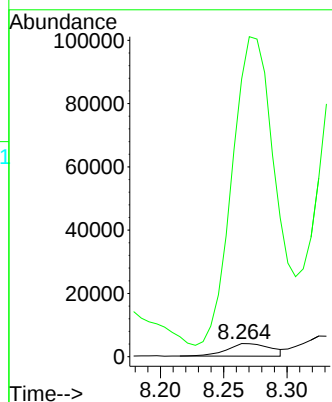
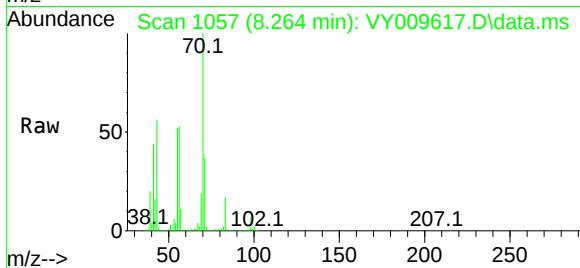
AWOM-12-12.5

Tgt Ion: 62 Resp: 9689

Ion Ratio Lower Upper

62 100

98 2424.2 0.0 14.8#



#43

Isopropyl Acetate

Concen: 426.750 ug/l

RT: 8.264 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

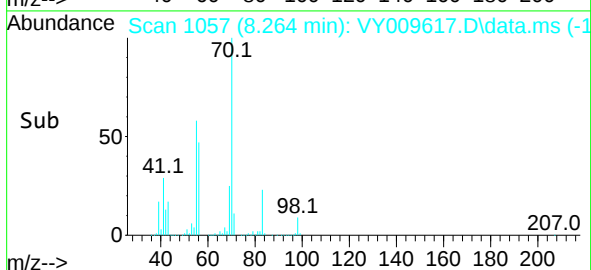
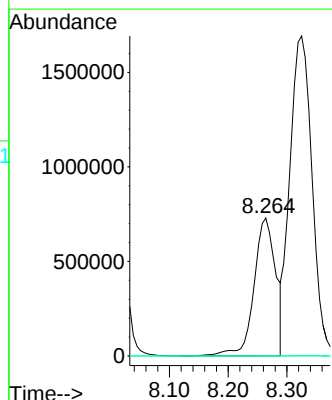
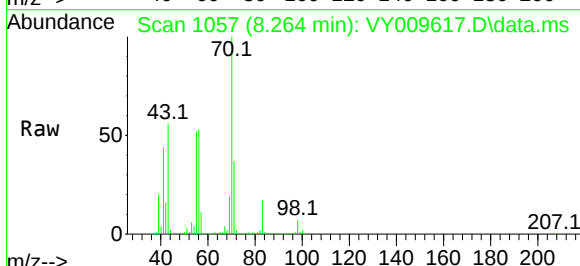
Tgt Ion: 43 Resp: 1874122

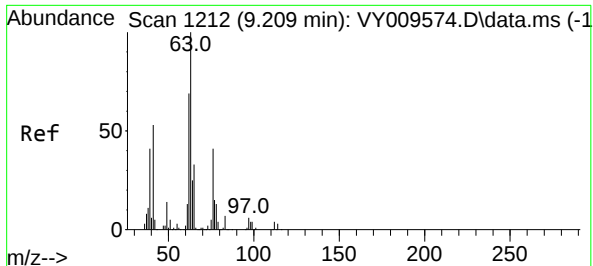
Ion Ratio Lower Upper

43 100

61 0.2 20.2 30.2#

87 0.0 8.9 13.3#





#45

1,2-Dichloropropane

Concen: 24.510 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.031 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

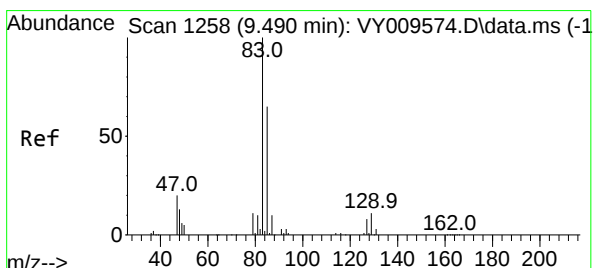
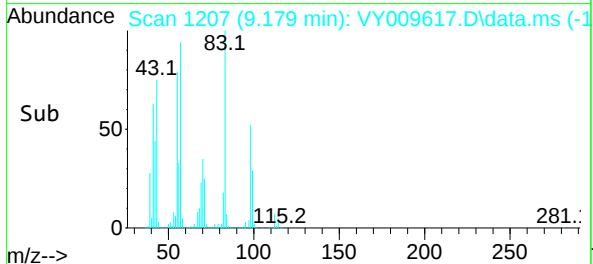
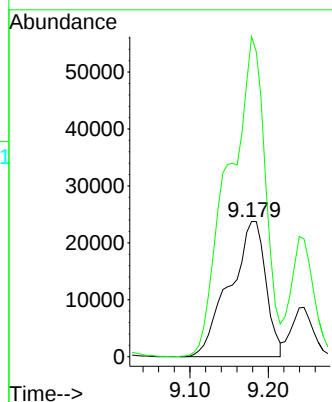
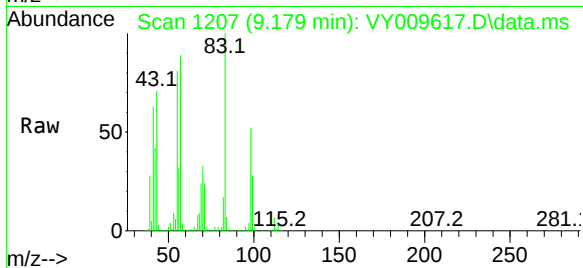
AWOM-12-12.5

Tgt Ion: 63 Resp: 75770

Ion Ratio Lower Upper

63 100

65 236.3 23.0 34.6#



#47

Bromodichloromethane

Concen: 159.687 ug/l

RT: 9.477 min Scan# 1256

Delta R.T. -0.013 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

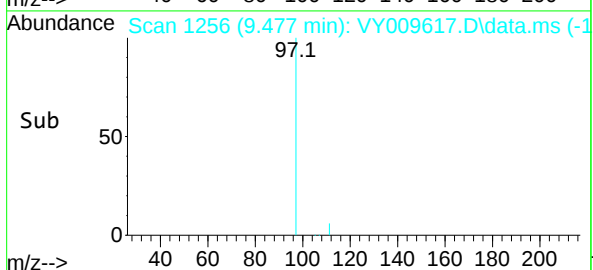
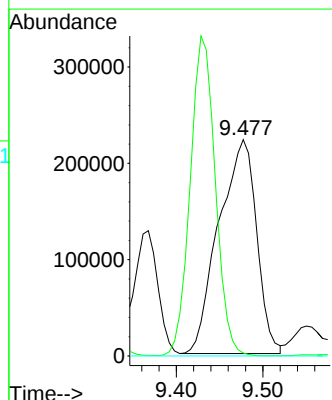
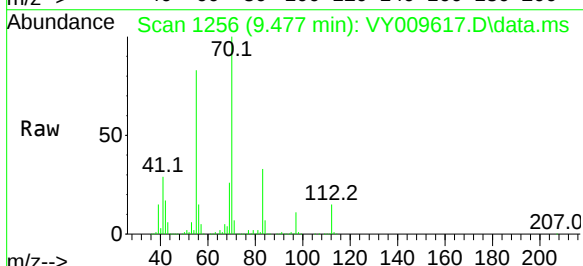
Tgt Ion: 83 Resp: 672299

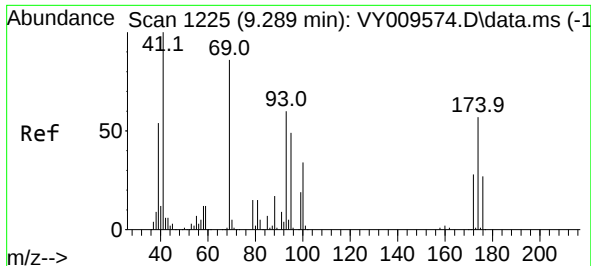
Ion Ratio Lower Upper

83 100

85 1.3 51.9 77.9#

127 0.0 6.6 10.0#

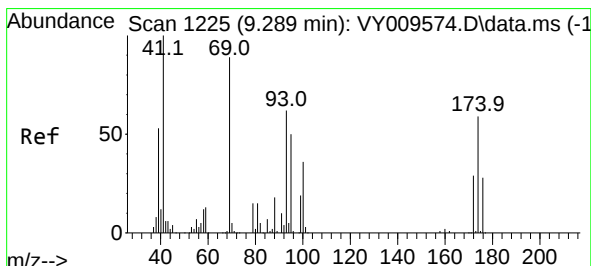
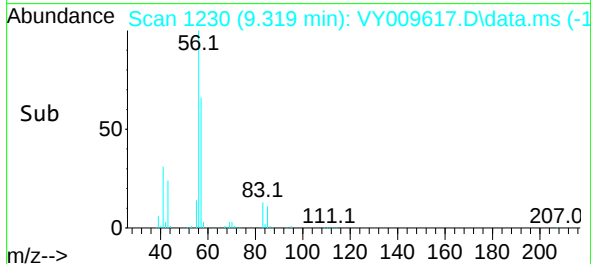
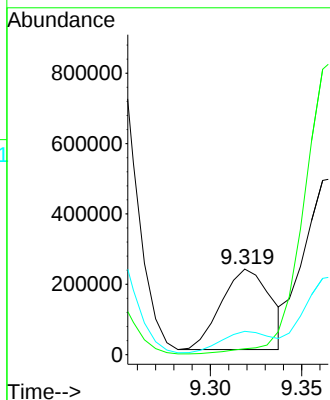
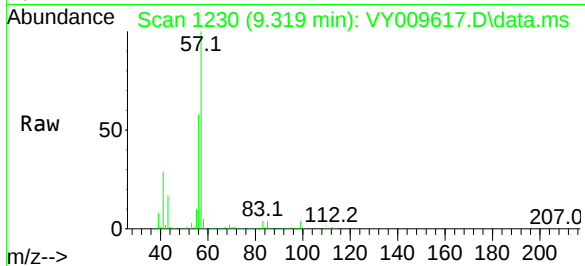




#48  
Methyl methacrylate  
Concen: 220.192 ug/l  
RT: 9.319 min Scan# 11  
Delta R.T. 0.030 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

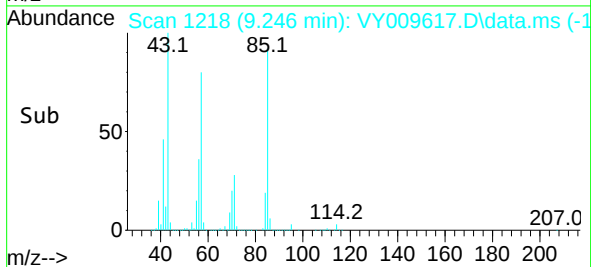
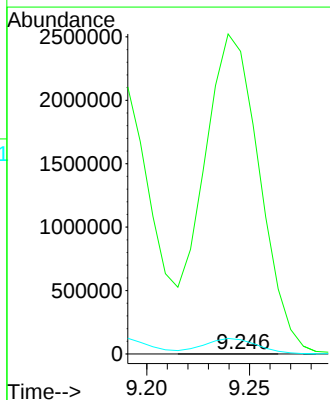
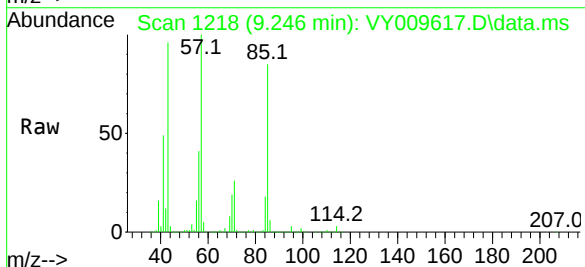
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

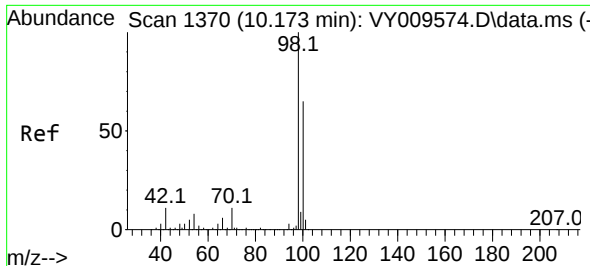
Tgt Ion: 41 Resp: 427234  
Ion Ratio Lower Upper  
41 100  
69 0.0 58.2 87.2#  
39 27.4 47.4 71.0#



#49  
1,4-Dioxane  
Concen: 5.515 ug/l  
RT: 9.246 min Scan# 1218  
Delta R.T. -0.043 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 88 Resp: 132  
Ion Ratio Lower Upper  
88 100  
43 3550390.2 32.8 49.2#  
58 169153.0 59.8 89.6#

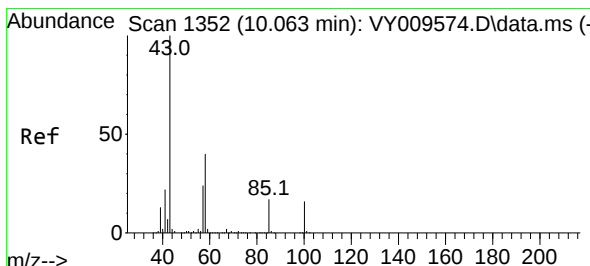
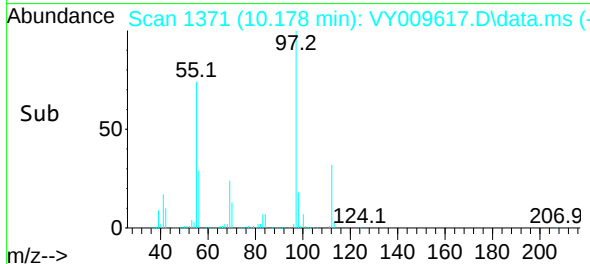
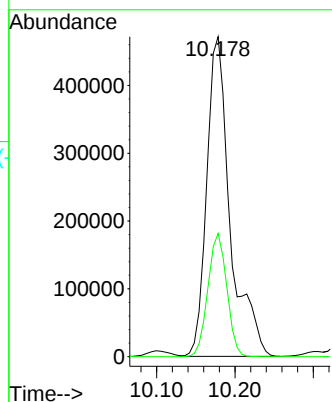
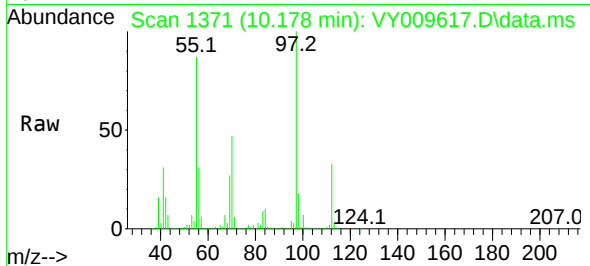




#50  
Toluene-d8  
Concen: 87.406 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

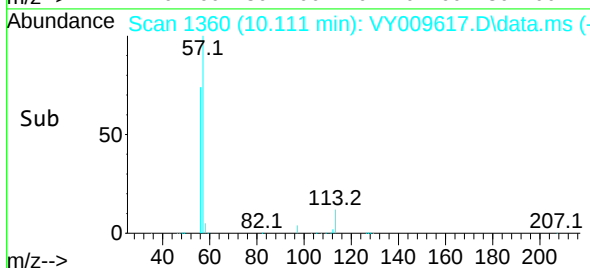
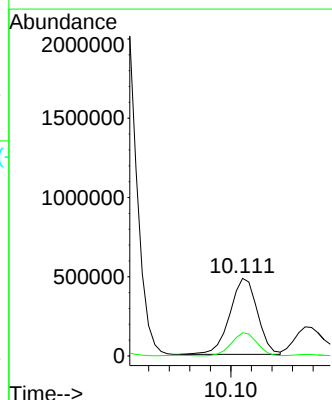
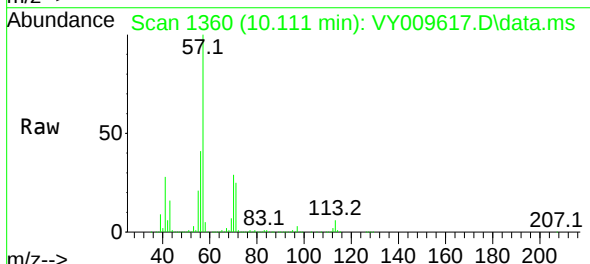
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

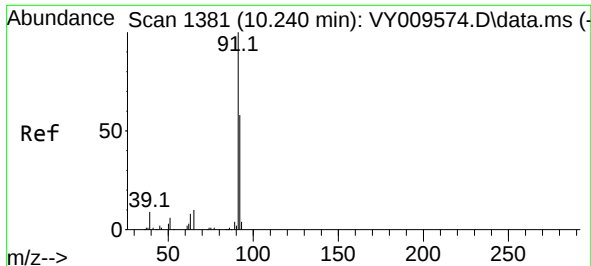
Tgt Ion: 98 Resp: 979180  
Ion Ratio Lower Upper  
98 100  
100 31.0 50.2 75.2#



#51  
4-Methyl-2-Pentanone  
Concen: 391.116 ug/l  
RT: 10.111 min Scan# 1360  
Delta R.T. 0.048 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 43 Resp: 891834  
Ion Ratio Lower Upper  
43 100  
58 28.0 28.1 42.1#

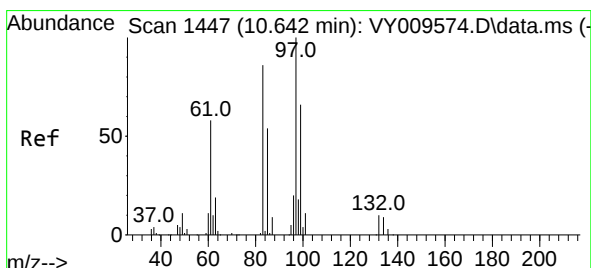
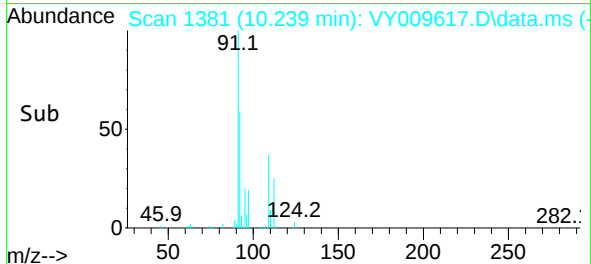
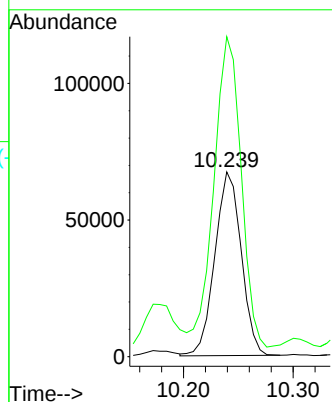
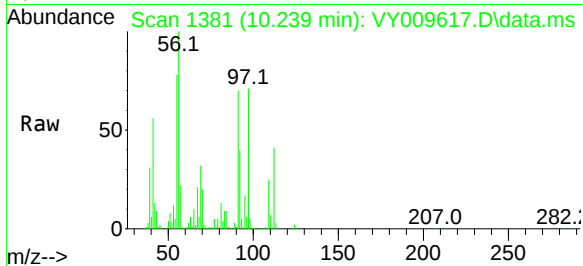




#52  
Toluene  
Concen: 14.097 ug/l  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

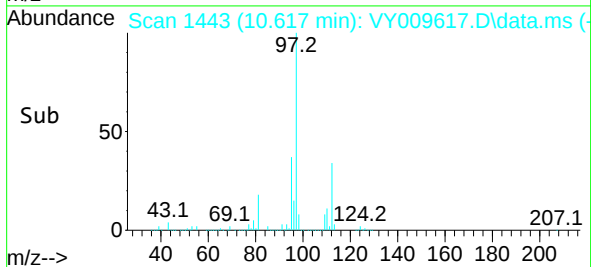
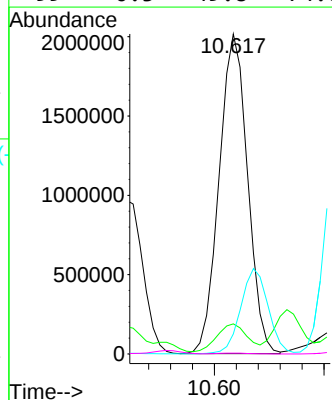
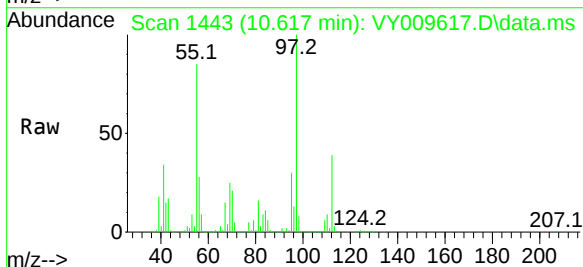
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

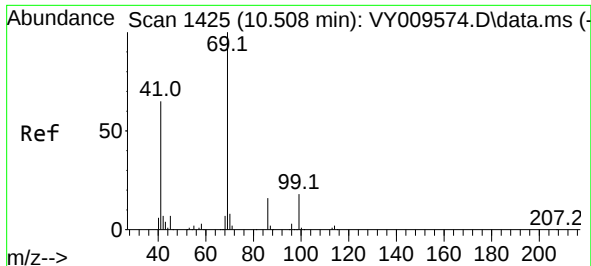
Tgt Ion: 92 Resp: 112519  
Ion Ratio Lower Upper  
92 100  
91 178.7 142.6 213.8



#55  
1,1,2-Trichloroethane  
Concen: 1436.802 ug/l  
RT: 10.617 min Scan# 1443  
Delta R.T. -0.025 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 97 Resp: 3633148  
Ion Ratio Lower Upper  
97 100  
83 7.7 69.8 104.8#  
85 6.2 44.3 66.5#  
99 0.3 49.8 74.6#

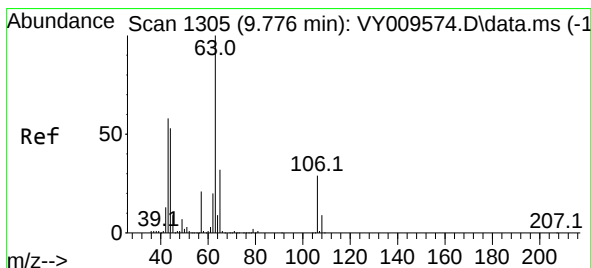
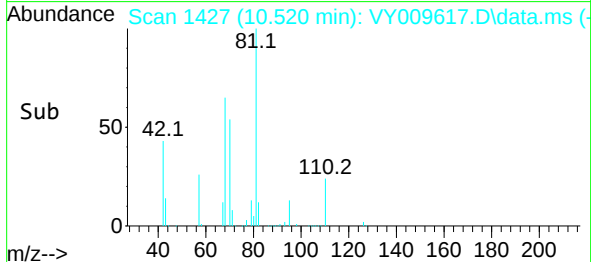
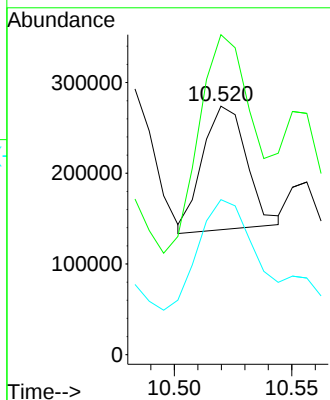
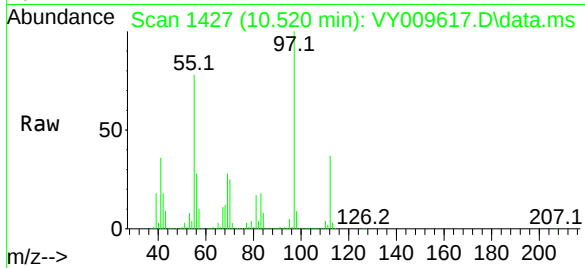




#56  
Ethyl methacrylate  
Concen: 55.234 ug/l  
RT: 10.520 min Scan# 1427  
Delta R.T. 0.012 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

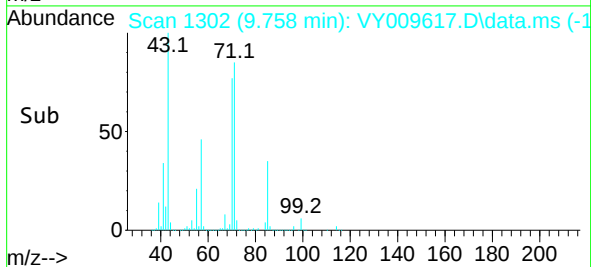
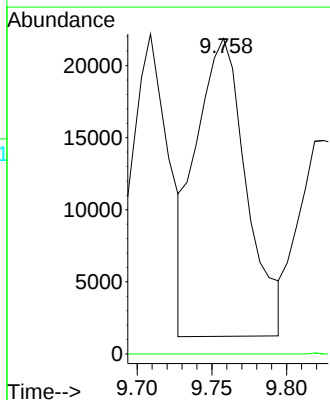
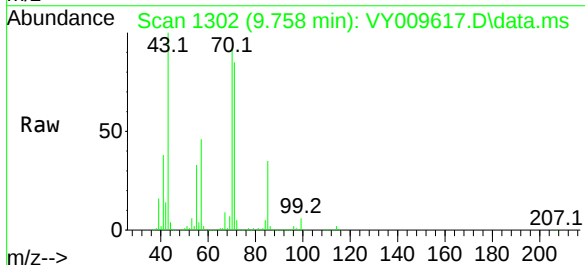
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

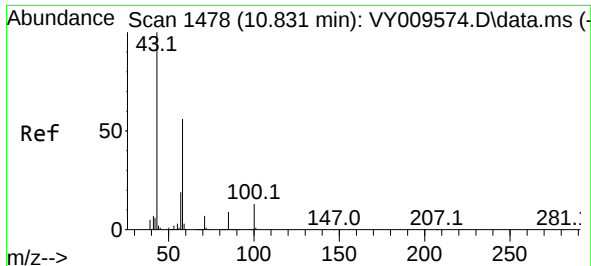
Tgt Ion: 69 Resp: 178687  
Ion Ratio Lower Upper  
69 100  
41 211.4 63.4 95.0#  
39 195.9 35.8 53.8#



#58  
2-Chloroethyl Vinyl ether  
Concen: 52.949 ug/l  
RT: 9.758 min Scan# 1302  
Delta R.T. -0.018 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 63 Resp: 48585  
Ion Ratio Lower Upper  
63 100  
106 0.0 21.5 32.3#





#59

2-Hexanone

Concen: 2357.227 ug/l

RT: 10.800 min Scan# 1478

Delta R.T. -0.031 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

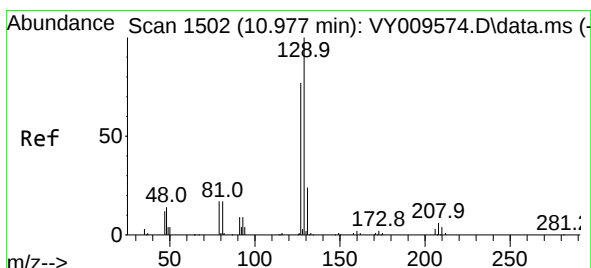
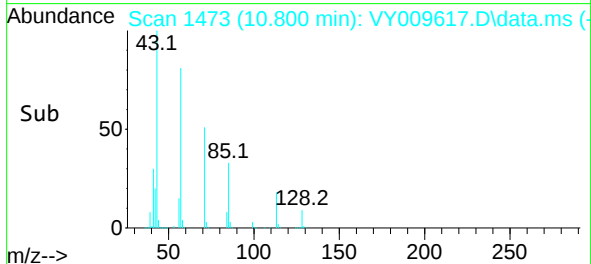
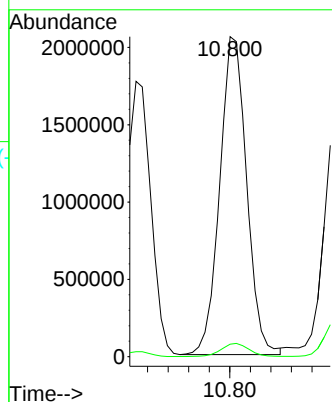
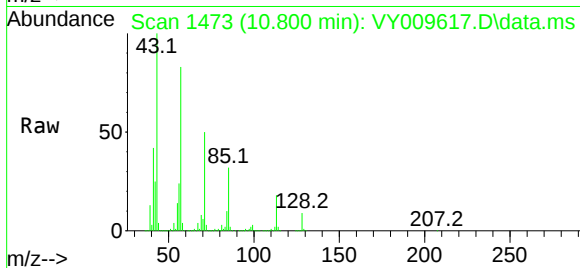
AWOM-12-12.5

Tgt Ion: 43 Resp: 3738427

Ion Ratio Lower Upper

43 100

58 4.3 24.4 73.4#



#60

Dibromochloromethane

Concen: 10.044 ug/l

RT: 10.904 min Scan# 1490

Delta R.T. -0.074 min

Lab File: VY009617.D

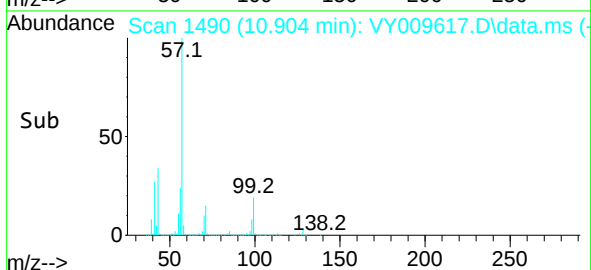
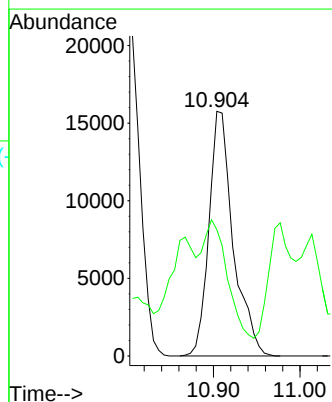
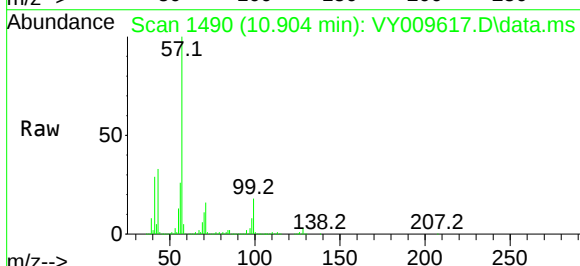
Acq: 20 Jul 2022 17:05

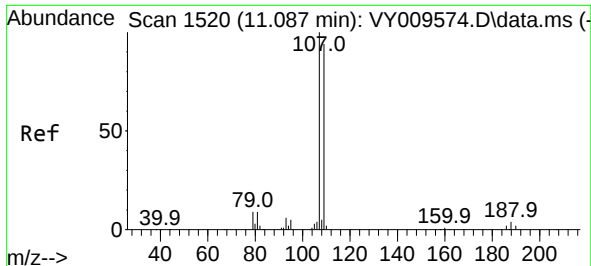
Tgt Ion:129 Resp: 30734

Ion Ratio Lower Upper

129 100

127 42.9 38.7 116.1





#61

1,2-Dibromoethane

Concen: 5.455 ug/l

RT: 11.062 min Scan# 1

Delta R.T. -0.025 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

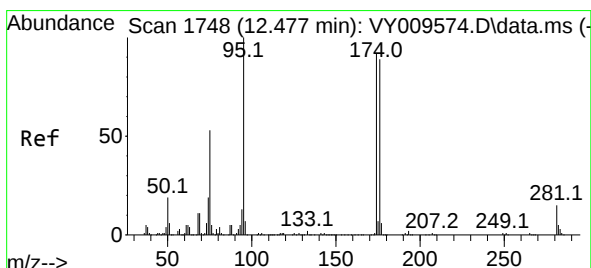
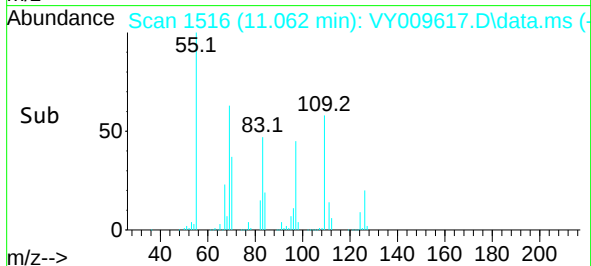
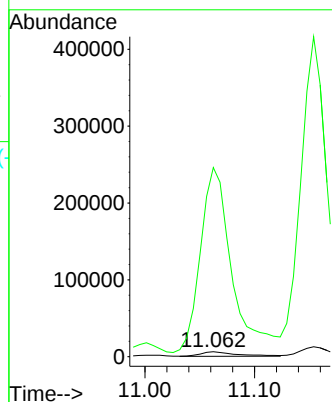
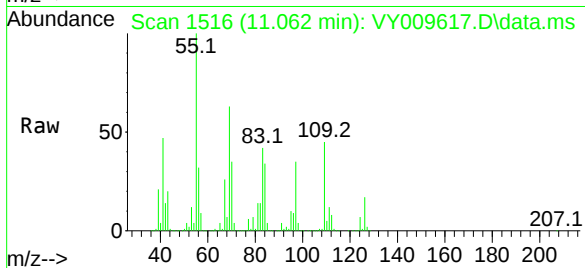
AWOM-12-12.5

Tgt Ion:107 Resp: 13459

Ion Ratio Lower Upper

107 100

109 3581.7 75.4 113.2#



#62

4-Bromofluorobenzene

Concen: 96.470 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

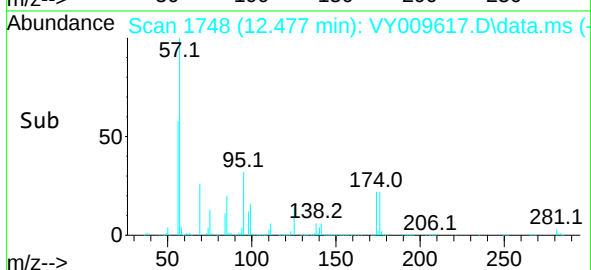
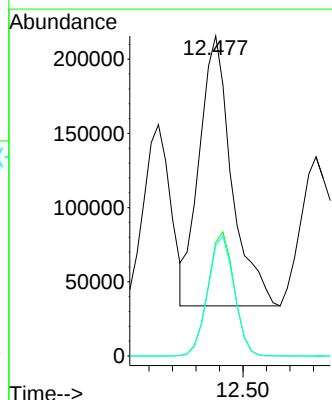
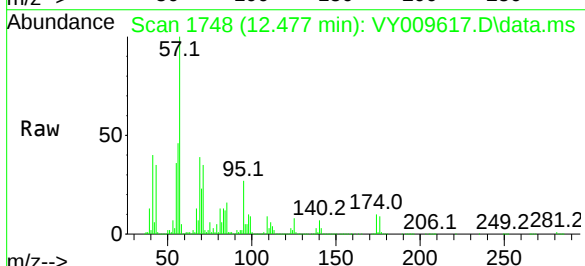
Tgt Ion: 95 Resp: 350186

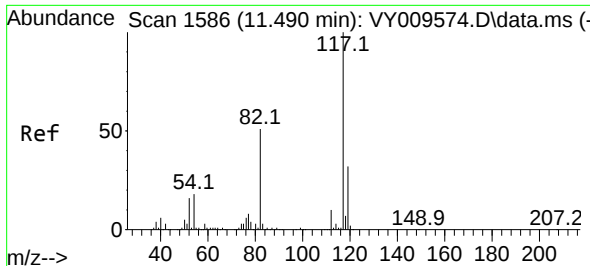
Ion Ratio Lower Upper

95 100

174 36.9 0.0 177.0

176 35.9 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

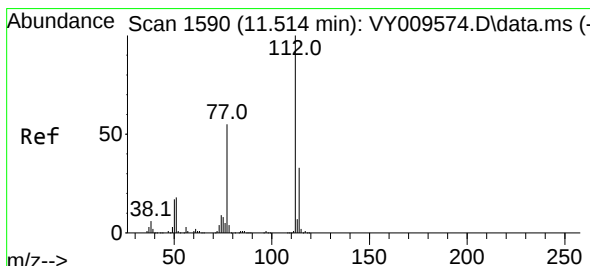
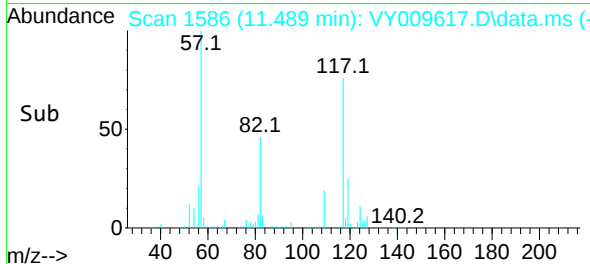
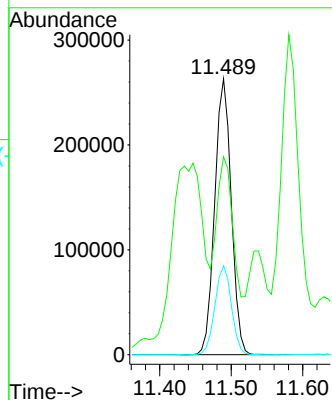
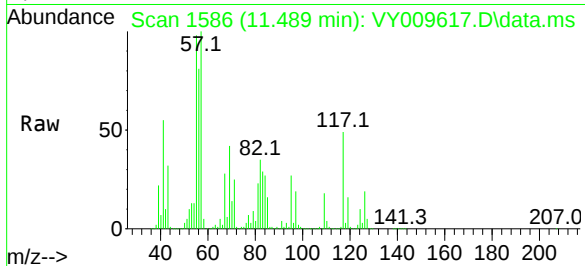
Tgt Ion:117 Resp: 422381

Ion Ratio Lower Upper

117 100

82 11.7 43.0 64.4#

119 32.2 25.4 38.0



#65

Chlorobenzene

Concen: 8.782 ug/l

RT: 11.629 min Scan# 1609

Delta R.T. 0.115 min

Lab File: VY009617.D

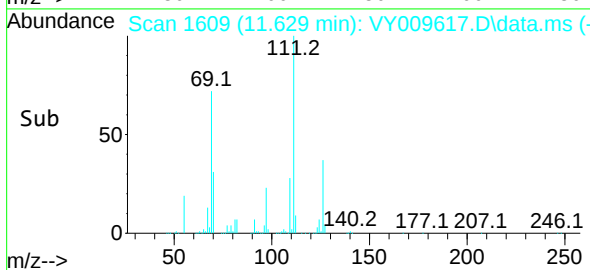
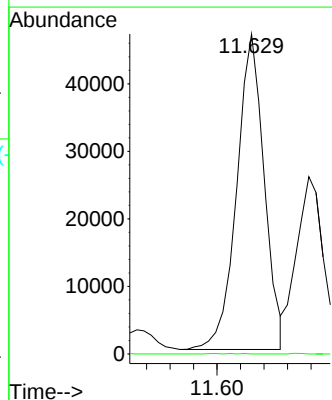
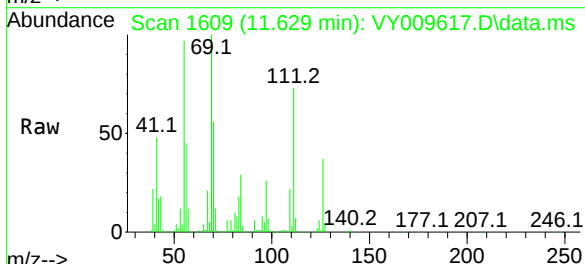
Acq: 20 Jul 2022 17:05

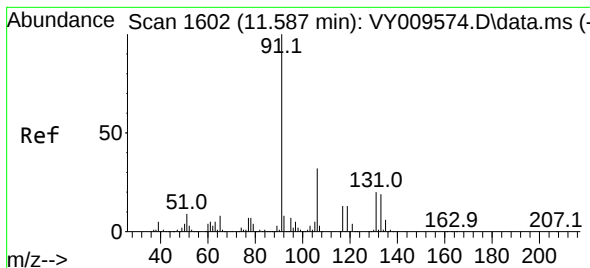
Tgt Ion:112 Resp: 75803

Ion Ratio Lower Upper

112 100

114 0.0 25.8 38.6#





#67

Ethyl Benzene

Concen: 766.358 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

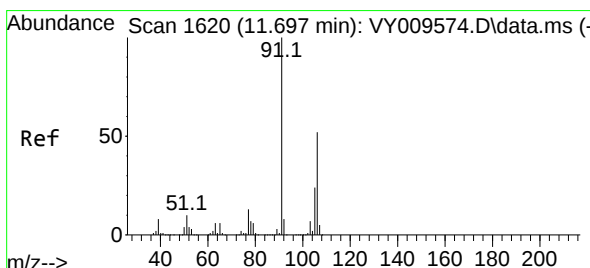
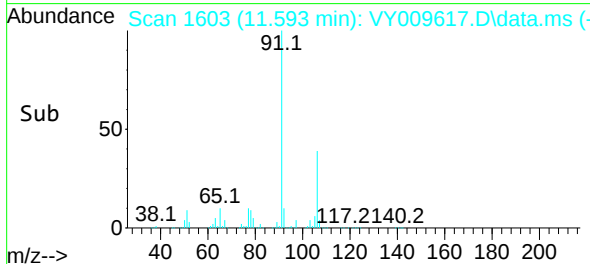
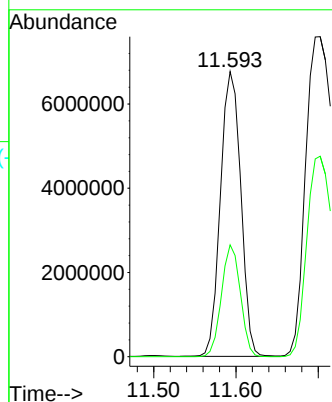
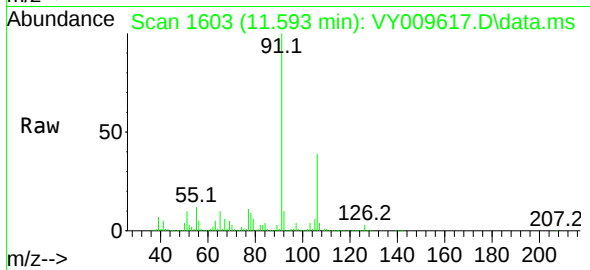
AWOM-12-12.5

Tgt Ion: 91 Resp:11633726

Ion Ratio Lower Upper

91 100

106 39.3 24.5 36.7#



#68

m/p-Xylenes

Concen: 1727.914 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY009617.D

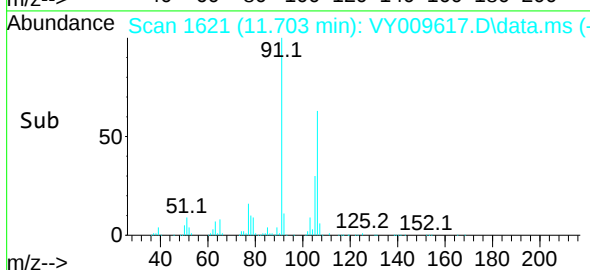
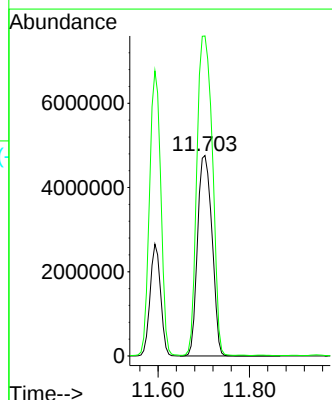
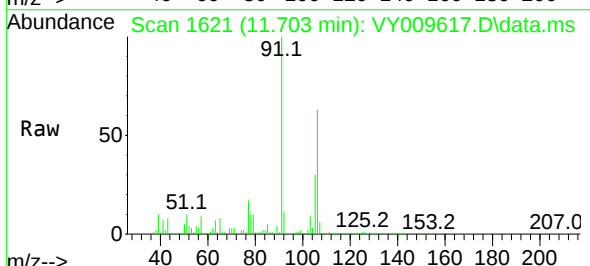
Acq: 20 Jul 2022 17:05

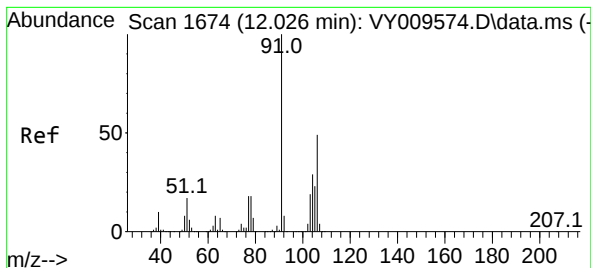
Tgt Ion:106 Resp:10439292

Ion Ratio Lower Upper

106 100

91 171.2 166.6 249.8

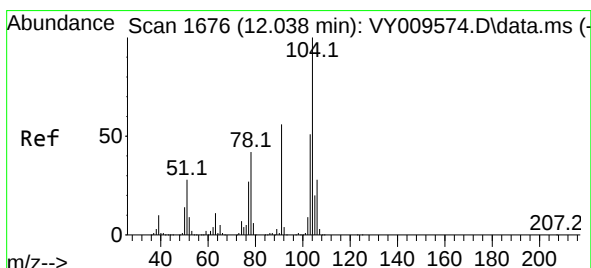
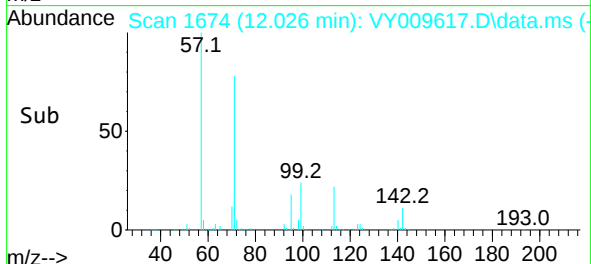
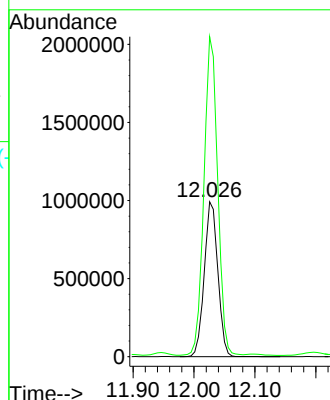
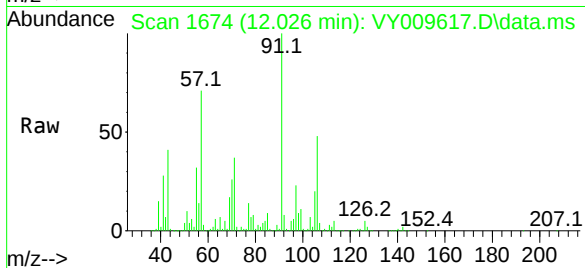




#69  
o-Xylene  
Concen: 271.654 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

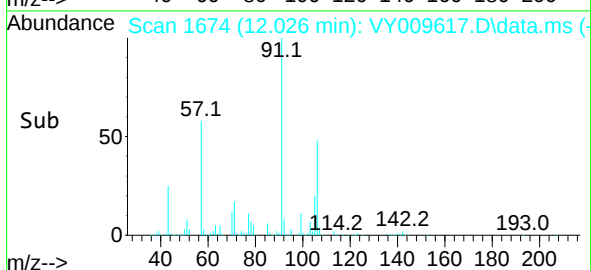
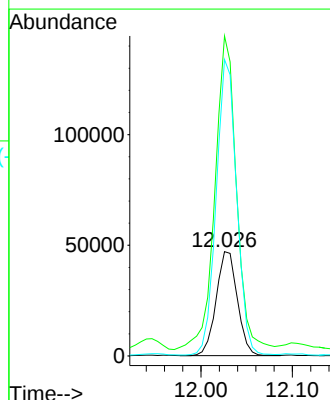
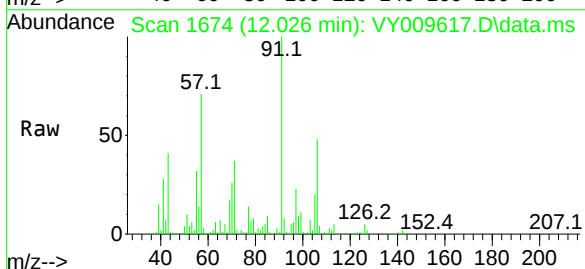
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

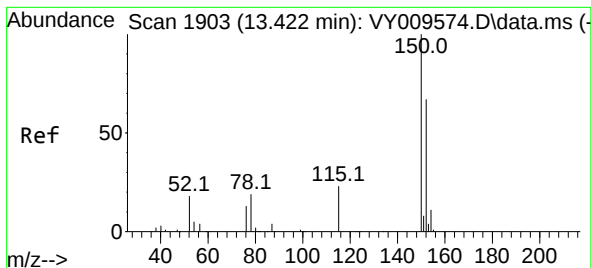
Tgt Ion:106 Resp: 1535872  
Ion Ratio Lower Upper  
106 100  
91 207.9 110.3 331.0



#70  
Styrene  
Concen: 8.039 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.013 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion:104 Resp: 75594  
Ion Ratio Lower Upper  
104 100  
78 305.2 42.4 63.6#  
103 273.9 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

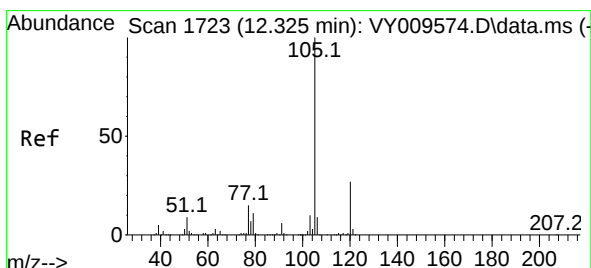
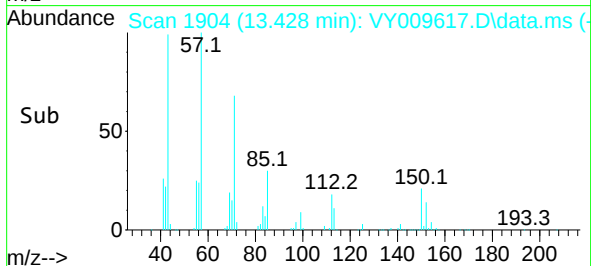
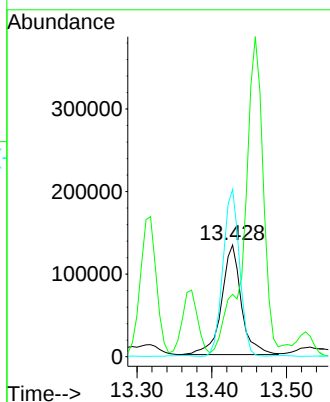
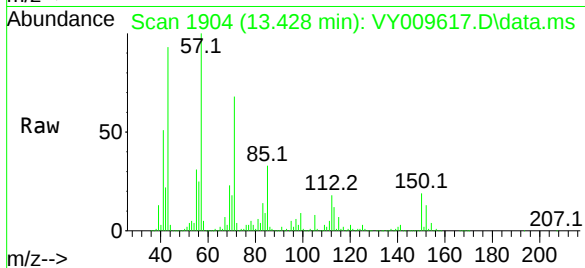
Tgt Ion:152 Resp: 243861

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 128.5 0.0 347.6



#73

Isopropylbenzene

Concen: 253.198 ug/l

RT: 12.330 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY009617.D

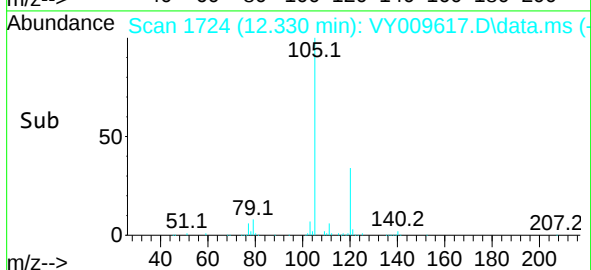
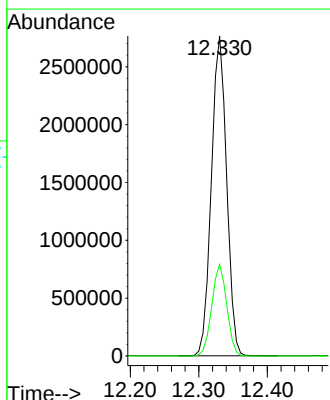
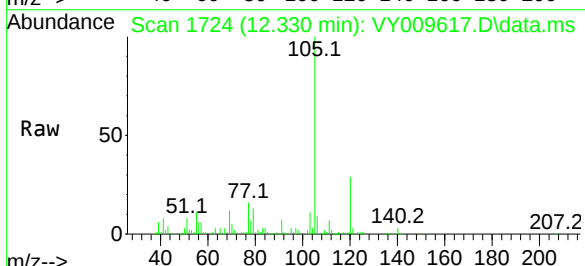
Acq: 20 Jul 2022 17:05

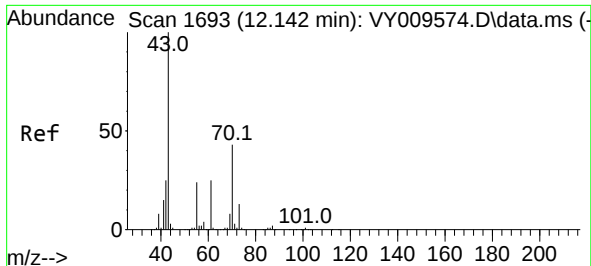
Tgt Ion:105 Resp: 4275027

Ion Ratio Lower Upper

105 100

120 28.0 13.4 40.2

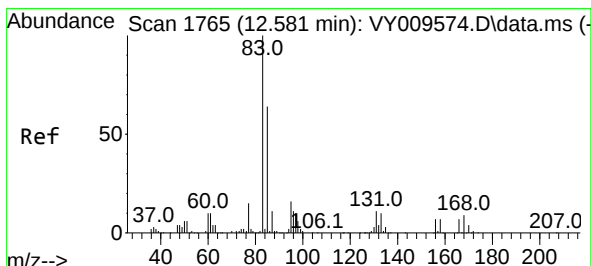
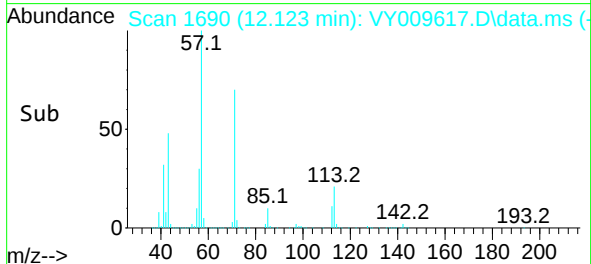
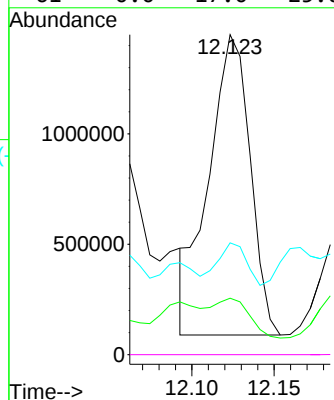
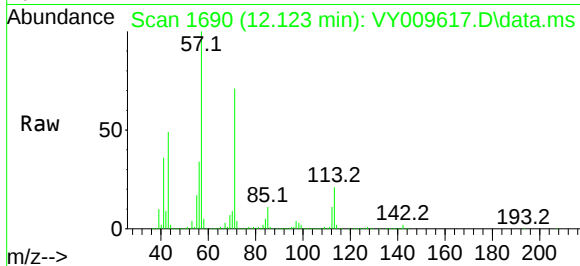




#74  
N-amy1 acetate  
Concen: 532.068 ug/l  
RT: 12.123 min Scan# 1  
Delta R.T. -0.019 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

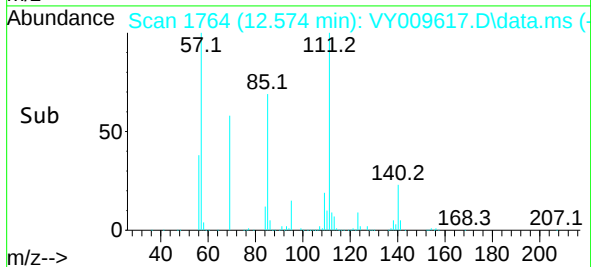
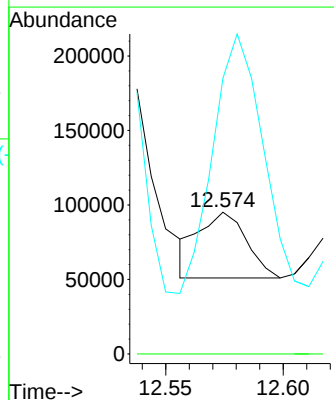
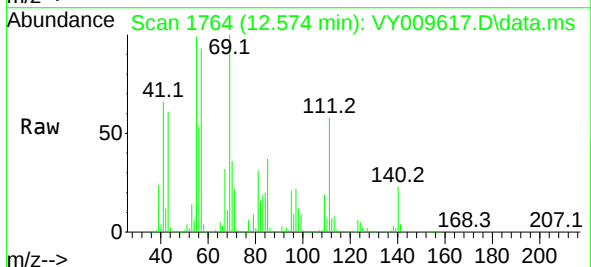
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

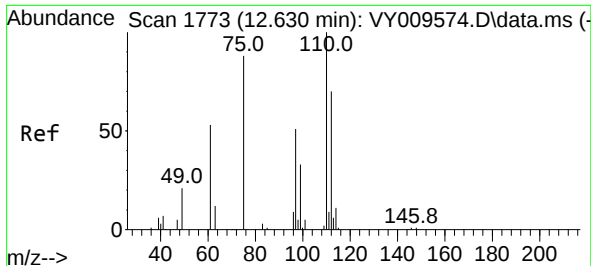
Tgt Ion: 43 Resp: 2389198  
Ion Ratio Lower Upper  
43 100  
70 10.0 28.7 43.1#  
55 9.6 17.3 25.9#  
61 0.0 17.0 25.6#



#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.497 ug/l  
RT: 12.574 min Scan# 1764  
Delta R.T. -0.007 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 83 Resp: 62546  
Ion Ratio Lower Upper  
83 100  
131 0.0 5.6 16.8#  
85 412.6 32.3 96.8#

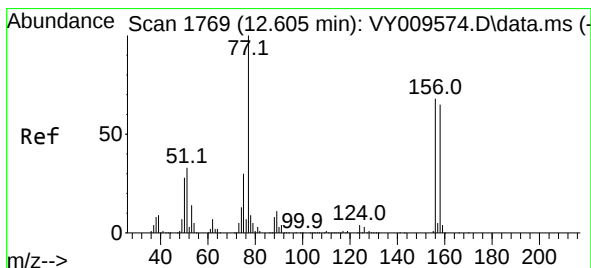
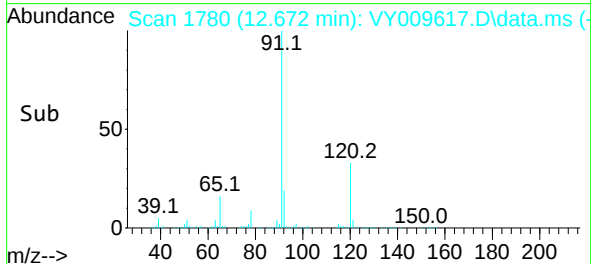
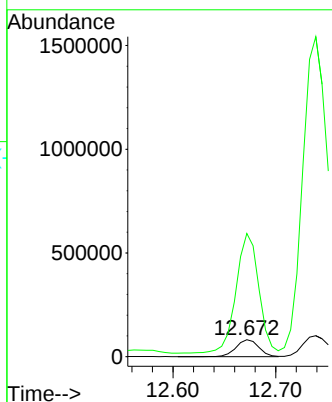
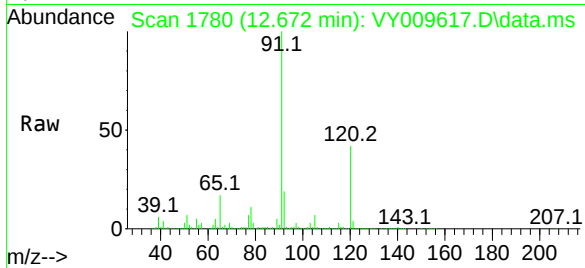




#76  
1,2,3-Trichloropropane  
Concen: 53.722 ug/l  
RT: 12.672 min Scan# 1773  
Delta R.T. 0.042 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

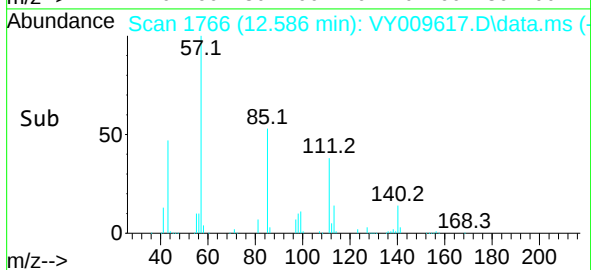
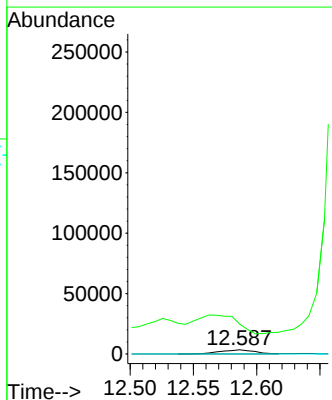
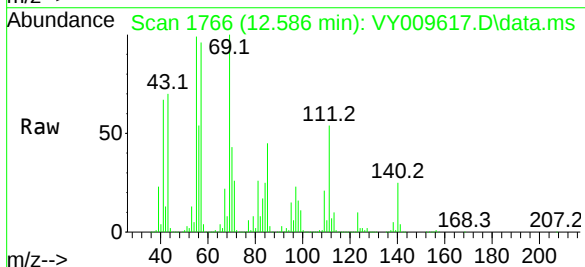
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

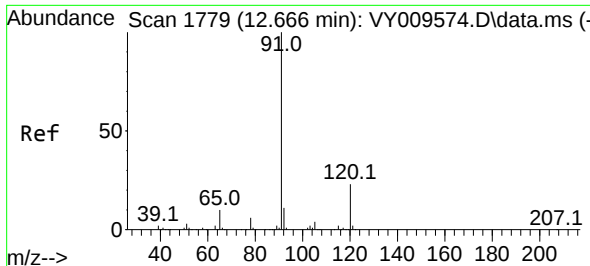
Tgt Ion: 75 Resp: 124798  
Ion Ratio Lower Upper  
75 100  
77 710.2 0.0 0.0#



#77  
Bromobenzene  
Concen: 1.552 ug/l  
RT: 12.586 min Scan# 1766  
Delta R.T. -0.019 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion:156 Resp: 6590  
Ion Ratio Lower Upper  
156 100  
77 0.0 95.5 286.4#  
158 0.0 48.0 144.0#

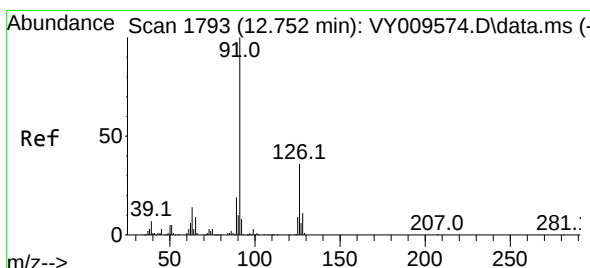
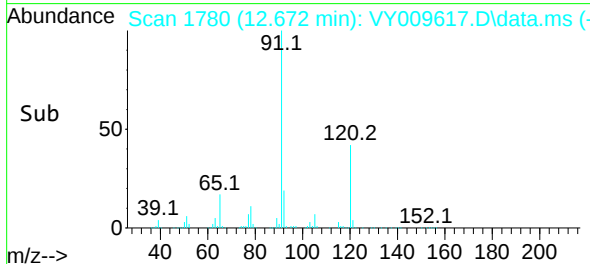
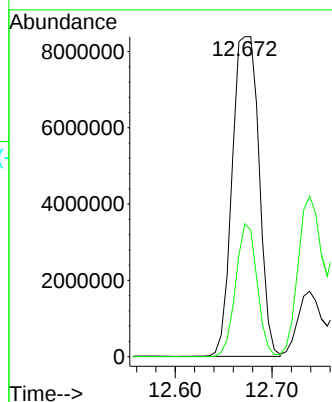
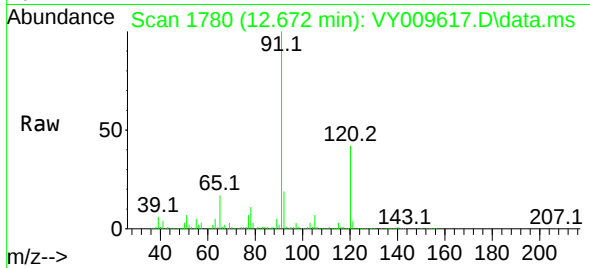




#78  
n-propylbenzene  
Concen: 788.303 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.006 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

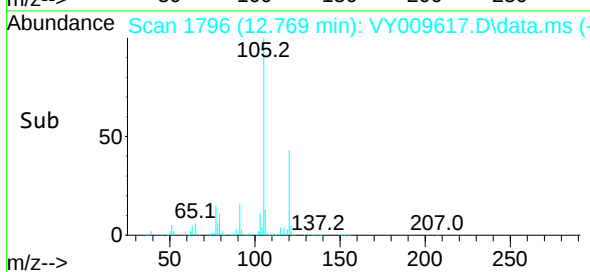
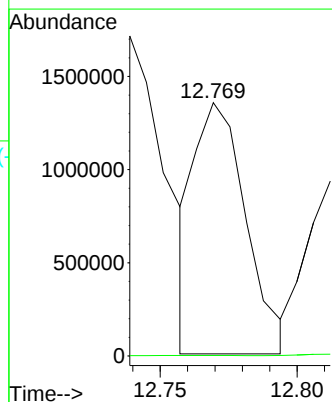
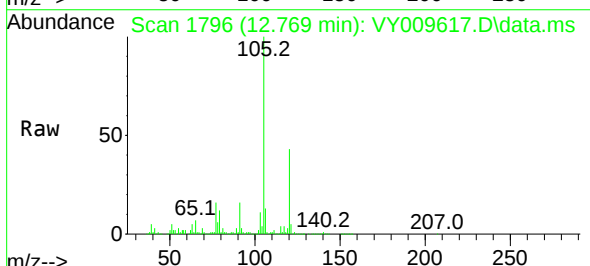
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

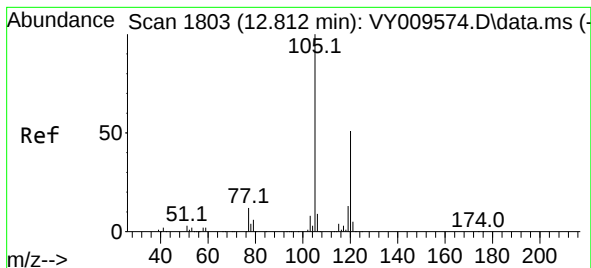
Tgt Ion: 91 Resp:16082901  
Ion Ratio Lower Upper  
91 100  
120 33.3 11.3 33.9



#79  
2-Chlorotoluene  
Concen: 156.598 ug/l  
RT: 12.769 min Scan# 1796  
Delta R.T. 0.018 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 91 Resp: 1771358  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.9 50.6#





#80

1,3,5-Trimethylbenzene

Concen: 878.225 ug/l

RT: 12.818 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

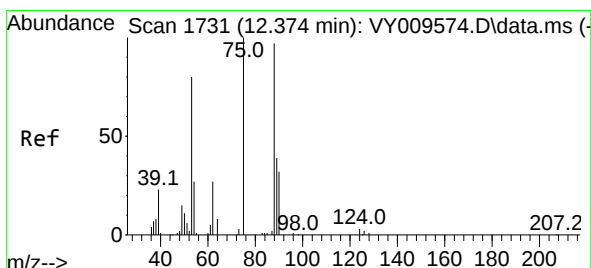
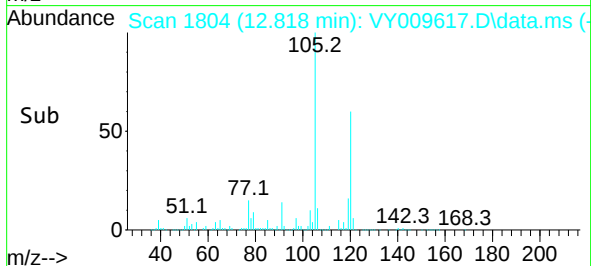
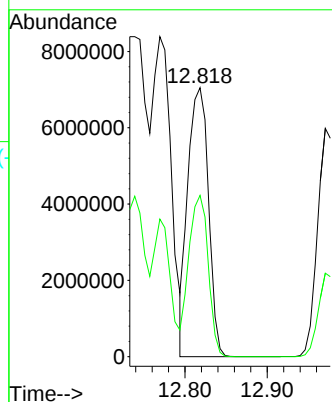
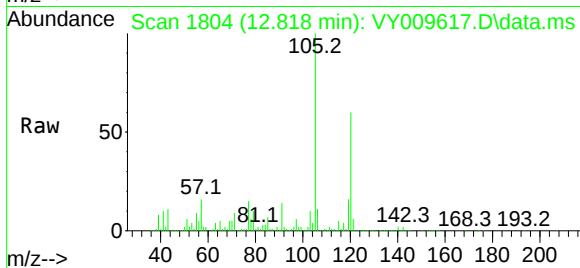
AWOM-12-12.5

Tgt Ion:105 Resp:12252607

Ion Ratio Lower Upper

105 100

120 56.7 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 37.936 ug/l

RT: 12.330 min Scan# 1724

Delta R.T. -0.043 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

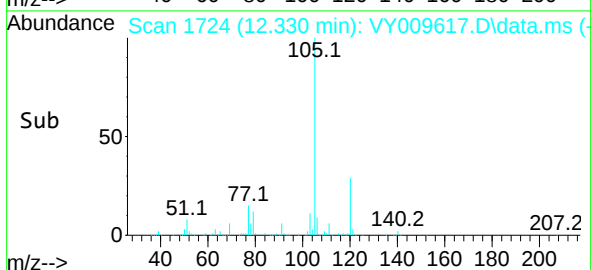
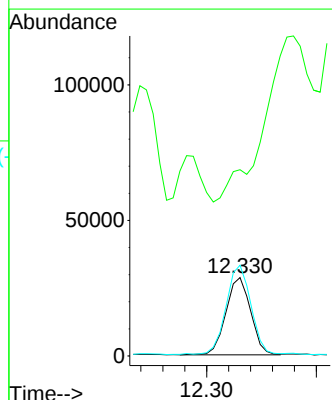
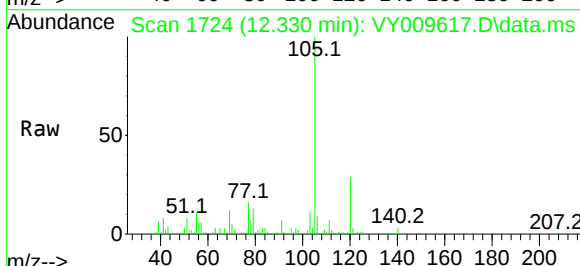
Tgt Ion: 75 Resp: 44694

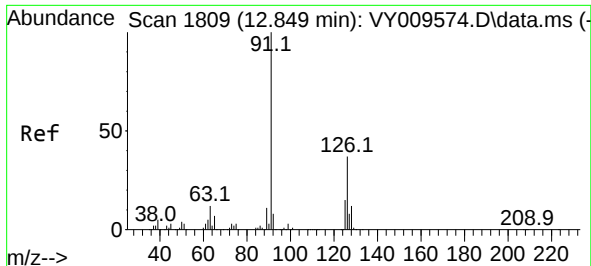
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 115.1 37.0 55.4#

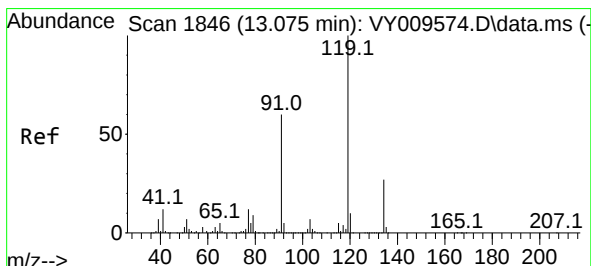
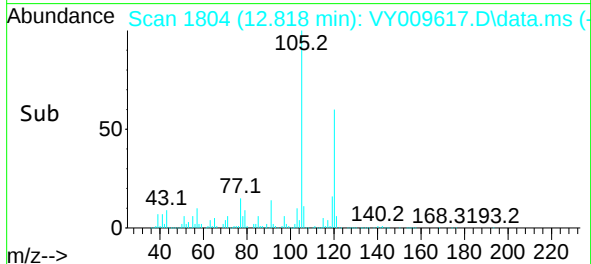
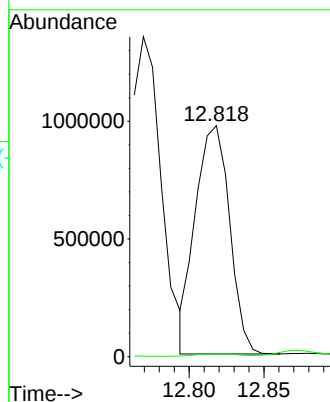
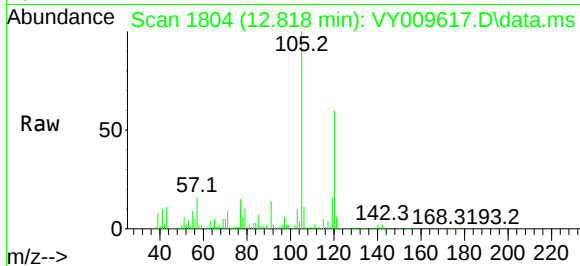




#82  
4-Chlorotoluene  
Concen: 131.341 ug/l  
RT: 12.818 min Scan# 1854  
Delta R.T. -0.031 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

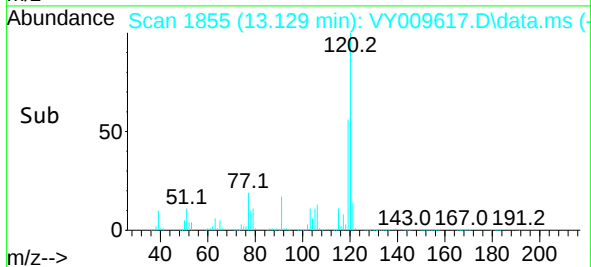
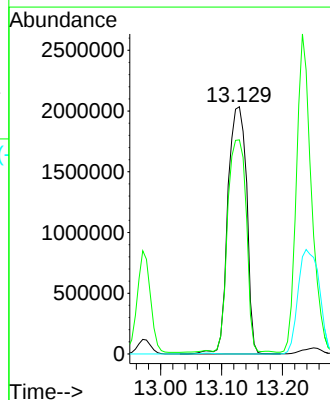
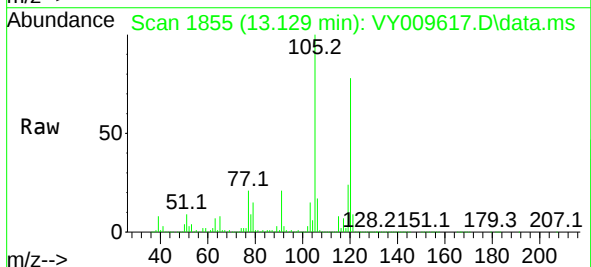
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

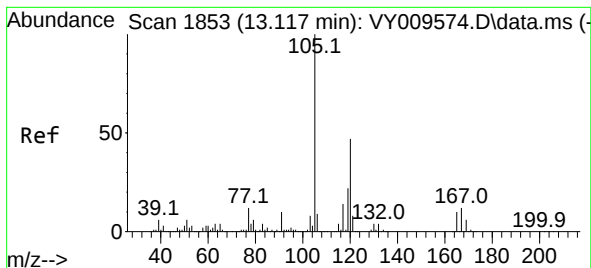
Tgt Ion: 91 Resp: 1541285  
Ion Ratio Lower Upper  
91 100  
126 1.3 17.0 51.0#



#83  
tert-Butylbenzene  
Concen: 349.010 ug/l  
RT: 13.129 min Scan# 1855  
Delta R.T. 0.054 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 119 Resp: 4326013  
Ion Ratio Lower Upper  
119 100  
91 86.0 34.8 104.4  
134 0.0 13.3 39.9#





#84

1,2,4-Trimethylbenzene

Concen: 1556.548 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

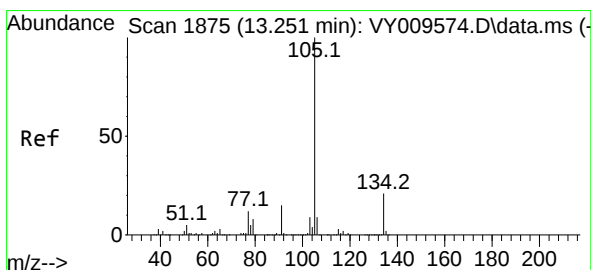
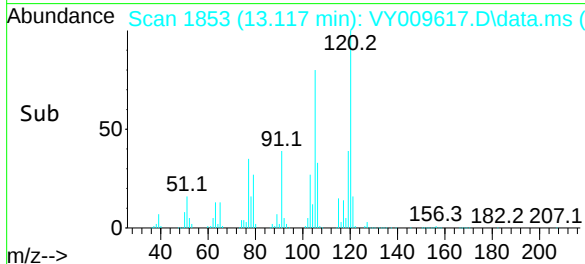
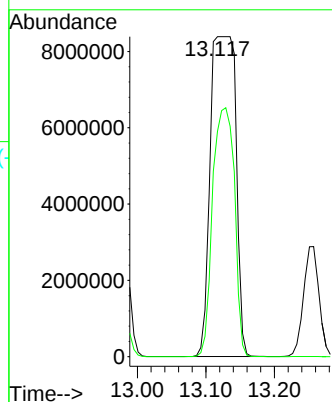
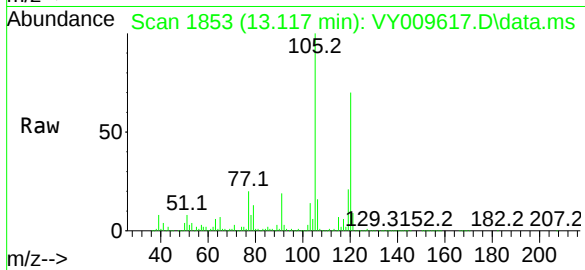
AWOM-12-12.5

Tgt Ion:105 Resp:21718111

Ion Ratio Lower Upper

105 100

120 66.2 22.3 66.9



#85

sec-Butylbenzene

Concen: 245.732 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY009617.D

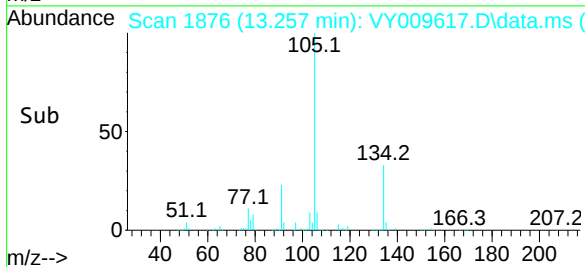
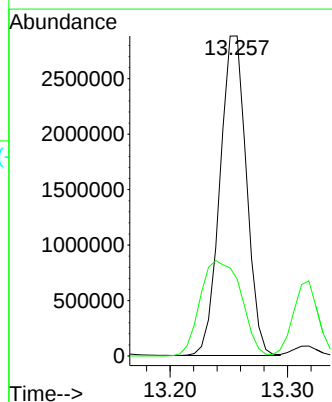
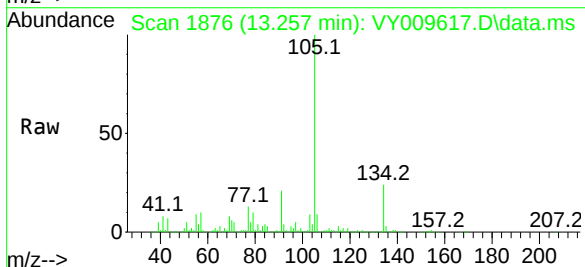
Acq: 20 Jul 2022 17:05

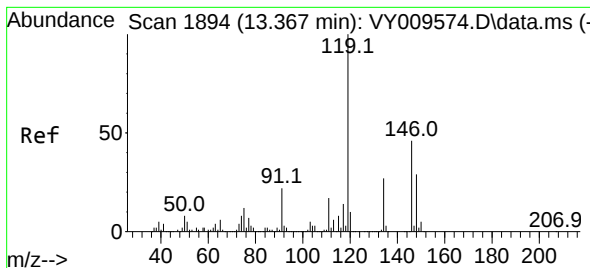
Tgt Ion:105 Resp: 4515906

Ion Ratio Lower Upper

105 100

134 46.1 10.2 30.4#





#86

p-Isopropyltoluene

Concen: 100.190 ug/l

RT: 13.373 min Scan# 119

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

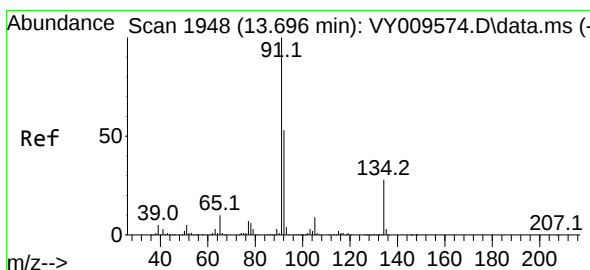
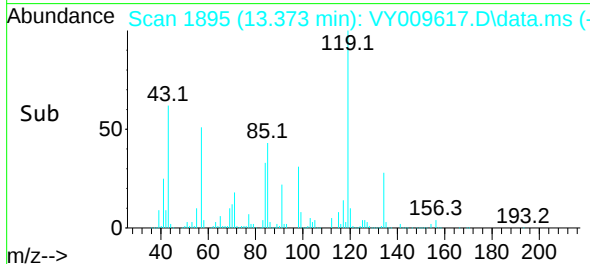
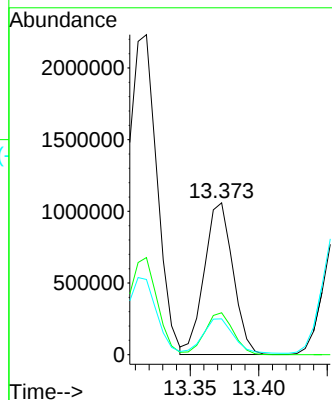
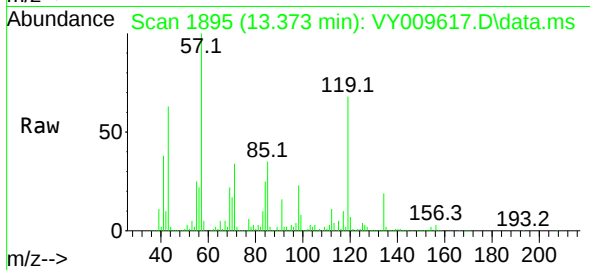
Tgt Ion:119 Resp: 1547341

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

91 23.6 12.4 37.2



#89

n-Butylbenzene

Concen: 844.839 ug/l

RT: 13.702 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

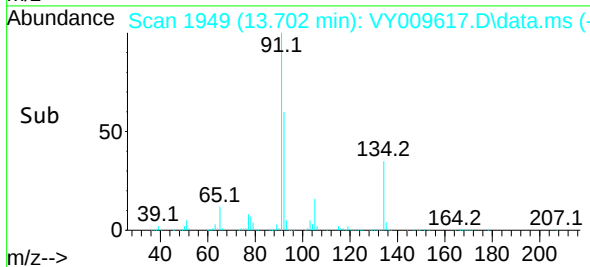
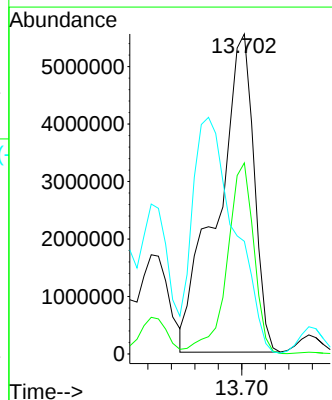
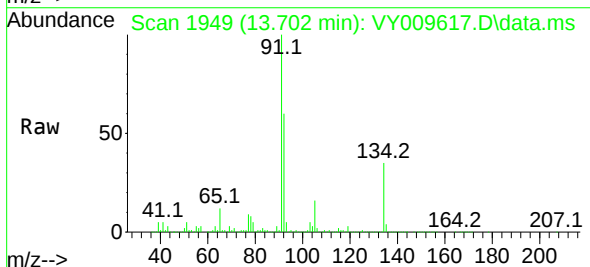
Tgt Ion: 91 Resp:11916344

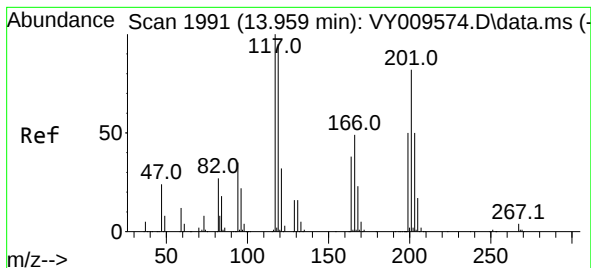
Ion Ratio Lower Upper

91 100

92 44.1 26.3 78.9

134 0.0 13.0 38.9#

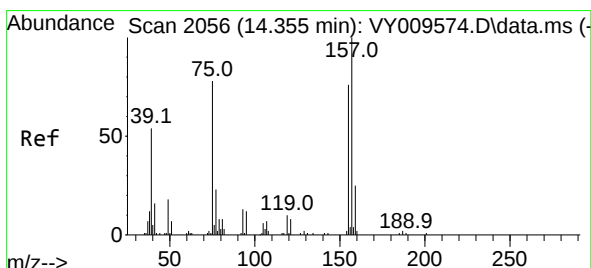
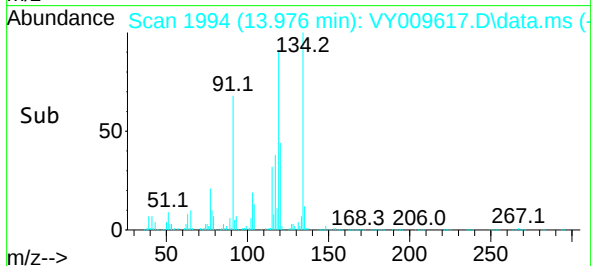
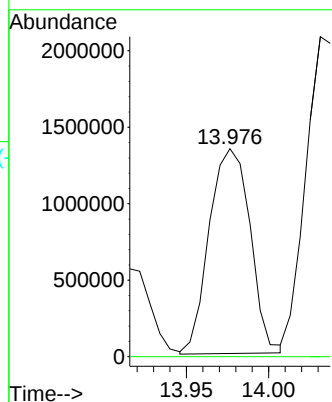
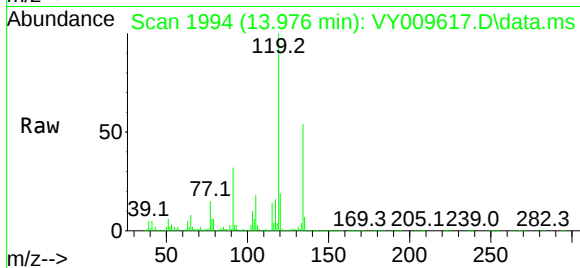




#90  
Hexachloroethane  
Concen: 778.184 ug/l  
RT: 13.976 min Scan# 1994  
Delta R.T. 0.018 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

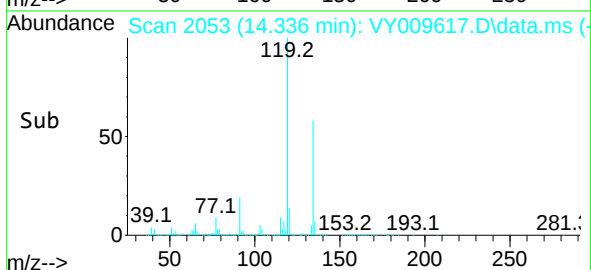
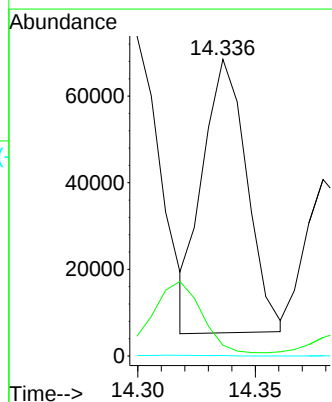
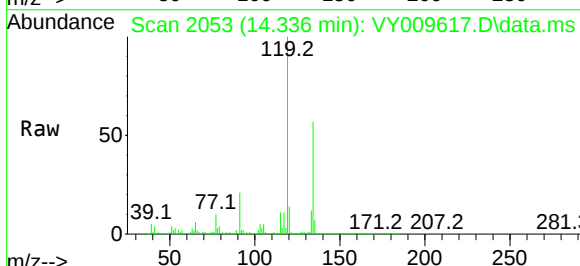
Instrument :  
MSVOA\_Y  
ClientSampleId :  
AWOM-12-12.5

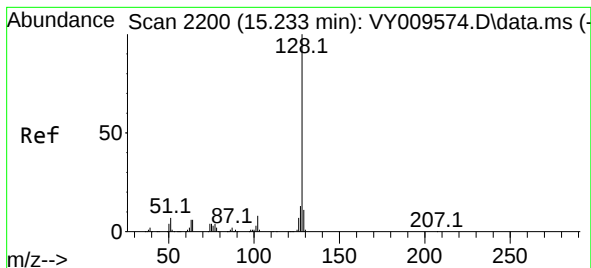
Tgt Ion:117 Resp: 2315419  
Ion Ratio Lower Upper  
117 100  
201 0.0 43.0 128.8#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 161.316 ug/l  
RT: 14.336 min Scan# 2053  
Delta R.T. -0.019 min  
Lab File: VY009617.D  
Acq: 20 Jul 2022 17:05

Tgt Ion: 75 Resp: 82983  
Ion Ratio Lower Upper  
75 100  
155 0.0 38.0 113.9#  
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 774.806 ug/l

RT: 15.238 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Instrument :

MSVOA\_Y

ClientSampleId :

AWOM-12-12.5

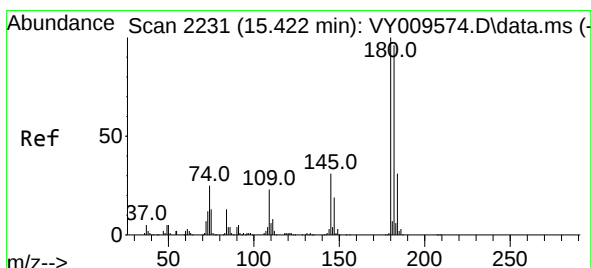
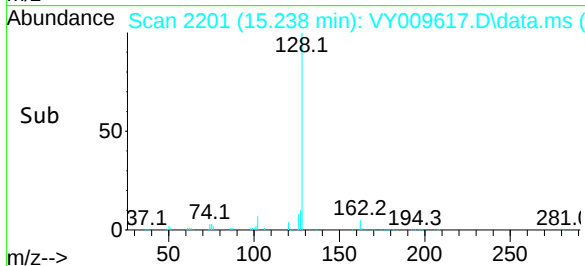
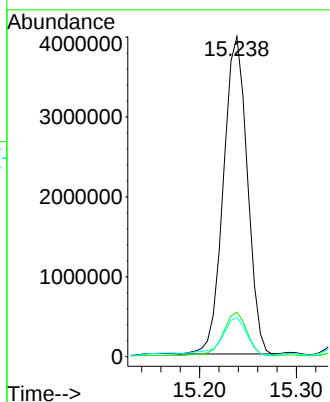
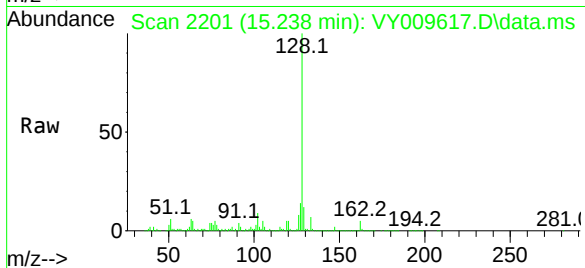
Tgt Ion:128 Resp: 6812312

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 12.4 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 1.228 ug/l

RT: 15.391 min Scan# 2226

Delta R.T. -0.031 min

Lab File: VY009617.D

Acq: 20 Jul 2022 17:05

Tgt Ion:180 Resp: 4967

Ion Ratio Lower Upper

180 100

182 58.2 47.3 141.9

145 11992.5 15.3 45.9#

