

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062624\  
 Data File : VW029353.D  
 Acq On : 26 Jun 2024 11:45  
 Operator : SY/MD  
 Sample : P3065-02MS  
 Misc : 4.43g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4CX6MS

Quant Time: Jun 27 05:37:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 27 05:32:27 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 404219   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 292762   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 89331    | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 103080   | 18.424   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 73.680%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 89936    | 19.035   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 76.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 51514    | 19.070   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 76.280%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 55629    | 33.233   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 66.460%  |
| 24) Chloroform-d              | 7.648  | 84    | 247441   | 20.521   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 82.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 133822   | 19.330   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 77.320%  |
| 32) Benzene-d6                | 8.276  | 84    | 465185   | 26.160   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 104.640% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 147955   | 26.174   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 104.680% |
| 41) Toluene-d8                | 10.319 | 98    | 371172   | 23.592   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 94.360%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 48988    | 21.506   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 86.040%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 40033    | 45.178   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 90.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 88545    | 19.682   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 78.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 59122    | 19.067   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 76.280%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 64606    | 16.382   | ug/L  | 94       |
| 3) Chloromethane              | 2.223  | 50    | 93253    | 16.584   | ug/L  | 96       |
| 5) Vinyl chloride             | 2.375  | 62    | 114246   | 17.692   | ug/L  | 98       |
| 6) Bromomethane               | 2.789  | 94    | 60530    | 15.596   | ug/L  | 96       |
| 8) Chloroethane               | 2.936  | 64    | 74253    | 18.800   | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 103087   | 20.591   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 91575    | 16.590   | ug/L  | 95       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 93265    | 19.913   | ug/L  | 88       |
| 13) Acetone                   | 4.119  | 43    | 47398    | 33.320   | ug/L  | 97       |
| 14) Carbon disulfide          | 4.393  | 76    | 247343   | 16.177   | ug/L  | 98       |
| 15) Methyl Acetate            | 4.673  | 43    | 42843    | 15.171   | ug/L  | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 125303   | 17.629   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 98919    | 19.018   | ug/L  | 93       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 172320   | 20.707   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 223600   | 19.904   | ug/L  | 96       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 112632   | 19.637   | ug/L  | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 77042    | 39.509   | ug/L  | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 48766    | 19.099   | ug/L  | 94       |
| 25) Chloroform                | 7.679  | 83    | 211167   | 19.250   | ug/L  | 95       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 A4CX6MS

Quant Time: Jun 27 05:37:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM061824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 27 05:32:27 2024  
 Response via : Initial Calibration

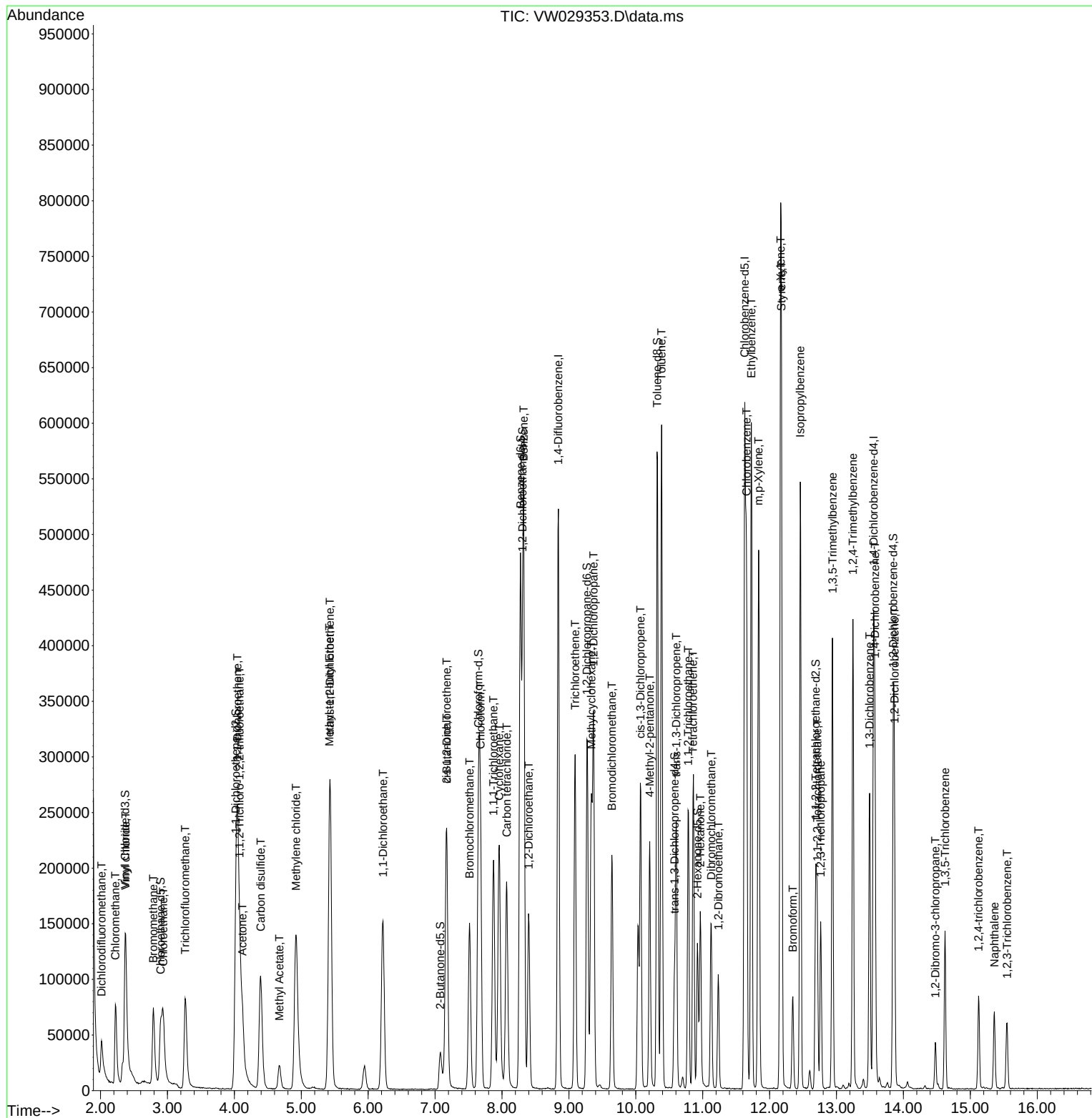
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 144751   | 17.891 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 124016   | 18.530 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 164964   | 25.340 | ug/L  | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 138324   | 23.260 | ug/L  | 95       |
| 33) Benzene                   | 8.325  | 78   | 443003   | 25.184 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 104135   | 22.189 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.337  | 83   | 95409    | 12.927 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 122053   | 24.693 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 140480   | 23.245 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 154985   | 22.181 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 149234   | 48.711 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 415107   | 22.955 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 126749   | 21.484 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 75389    | 21.899 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.855 | 164  | 59161    | 18.033 | ug/L  | 90       |
| 48) 2-Hexanone                | 10.965 | 43   | 105195   | 48.390 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 76427    | 21.238 | ug/L  | 89       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 67679    | 21.901 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 225139   | 19.172 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 401843   | 19.576 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 144039   | 19.210 | ug/L  | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 134833   | 19.241 | ug/L  | 99       |
| 55) Styrene                   | 12.178 | 104  | 225269   | 18.437 | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 76781    | 18.031 | ug/L  | 99       |
| 59) Bromoform                 | 12.349 | 173  | 36159    | 29.534 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 325307   | 27.330 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 60761    | 31.184 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 201059   | 23.323 | ug/L  | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 216798   | 23.374 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 100098   | 19.433 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 104932   | 19.146 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 90249    | 18.952 | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 10839    | 23.838 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 40349    | 11.606 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 24010    | 8.520  | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 55183    | 9.921  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 18804    | 7.323  | ug/L  | 97       |

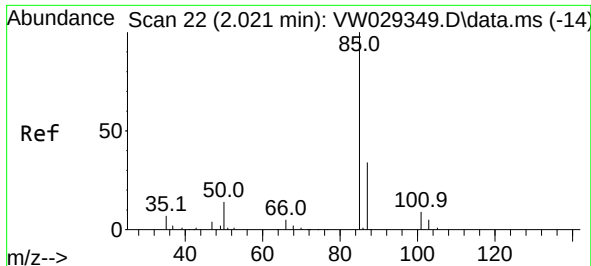
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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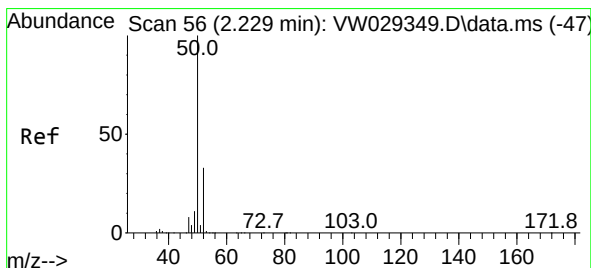
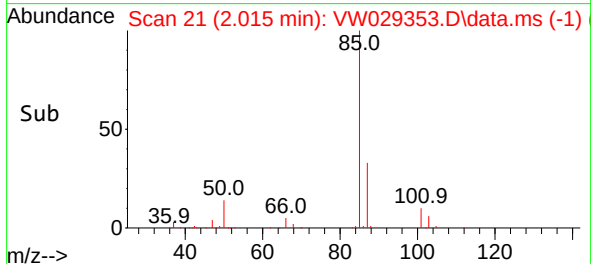
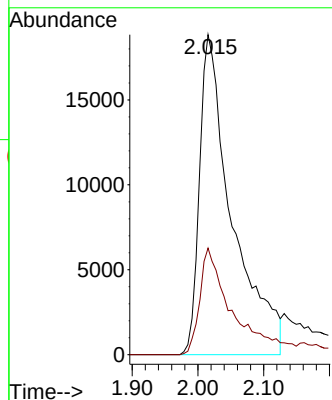
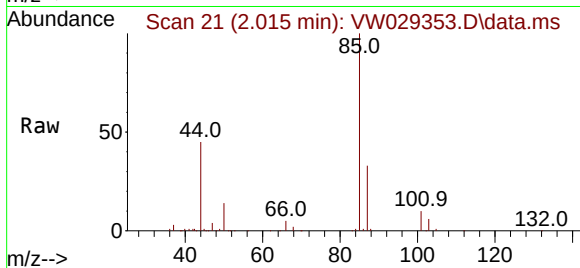




#2  
Dichlorodifluoromethane  
Concen: 16.382 ug/L  
RT: 2.015 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

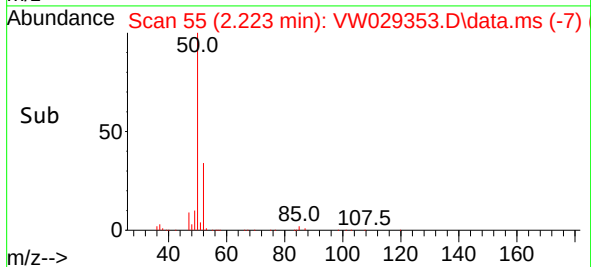
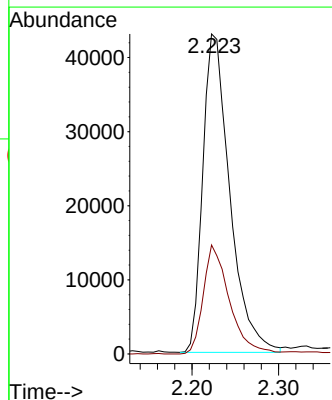
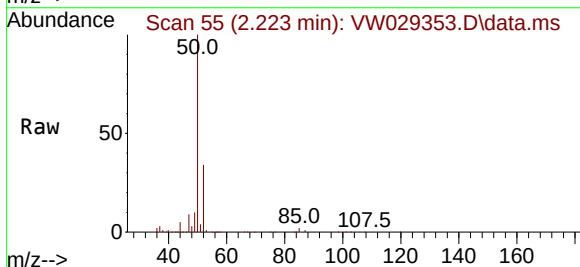
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

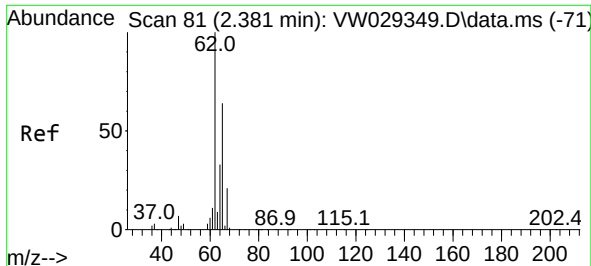
Tgt Ion: 85 Resp: 64606  
Ion Ratio Lower Upper  
85 100  
87 26.5 23.8 35.6



#3  
Chloromethane  
Concen: 16.584 ug/L  
RT: 2.223 min Scan# 55  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 50 Resp: 93253  
Ion Ratio Lower Upper  
50 100  
52 34.1 22.3 41.5

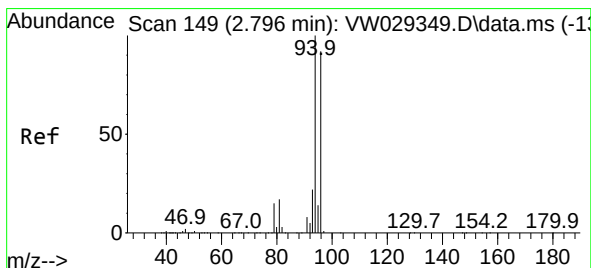
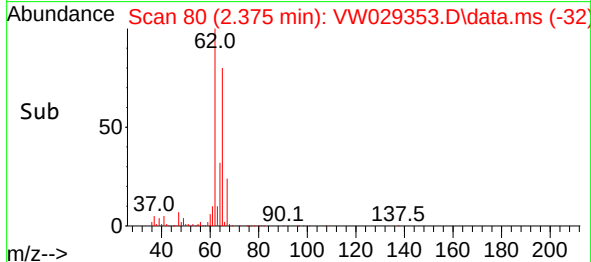
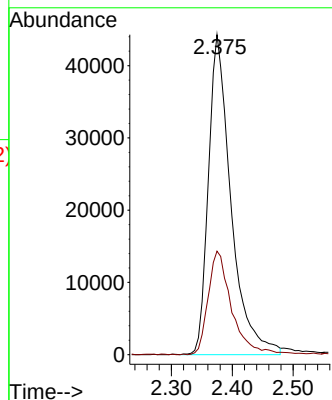
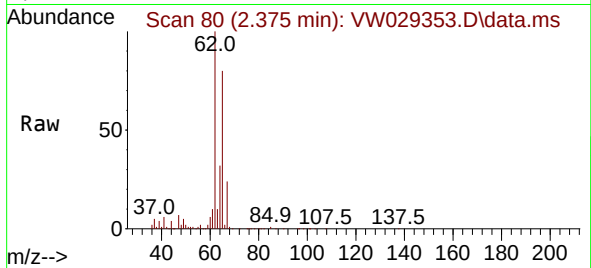




#5  
 Vinyl chloride  
 Concen: 17.692 ug/L  
 RT: 2.375 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: VW029353.D  
 Acq: 26 Jun 2024 11:45

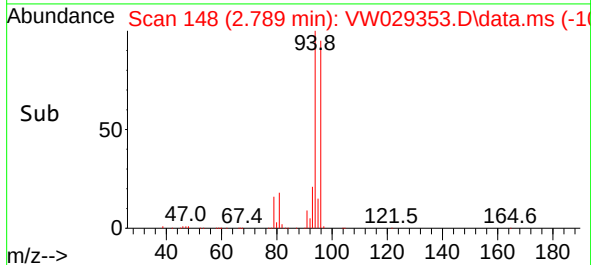
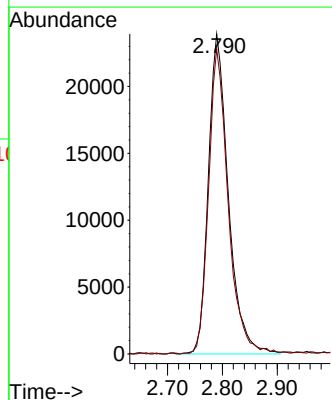
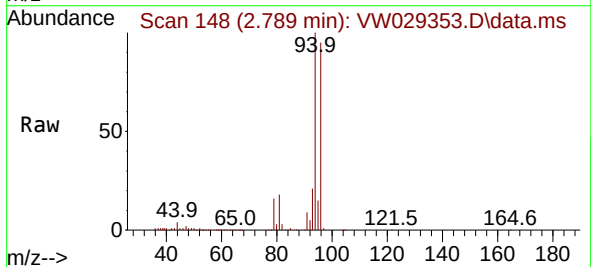
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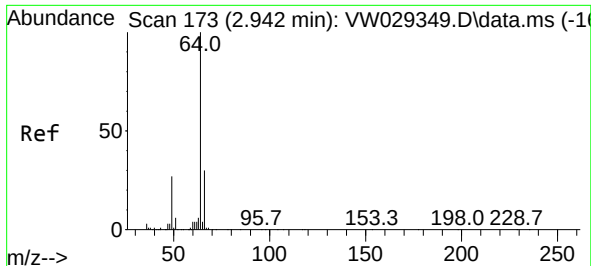
Tgt Ion: 62 Resp: 114246  
 Ion Ratio Lower Upper  
 62 100  
 64 32.3 22.0 40.8



#6  
 Bromomethane  
 Concen: 15.596 ug/L  
 RT: 2.789 min Scan# 148  
 Delta R.T. -0.006 min  
 Lab File: VW029353.D  
 Acq: 26 Jun 2024 11:45

Tgt Ion: 94 Resp: 60530  
 Ion Ratio Lower Upper  
 94 100  
 96 95.4 69.5 129.1

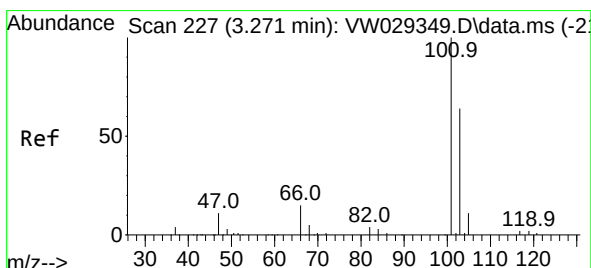
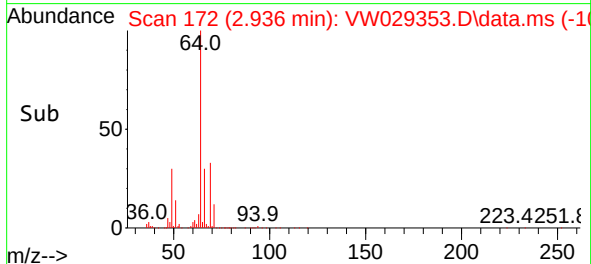
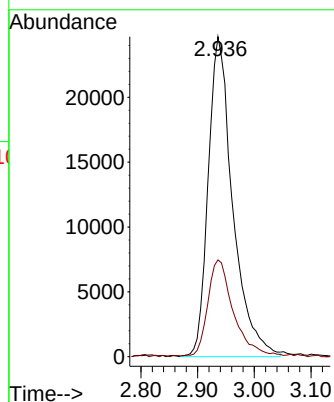
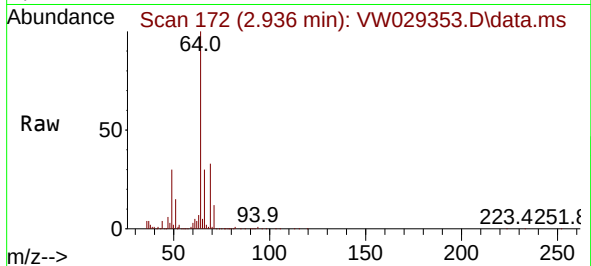




#8  
Chloroethane  
Concen: 18.800 ug/L  
RT: 2.936 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

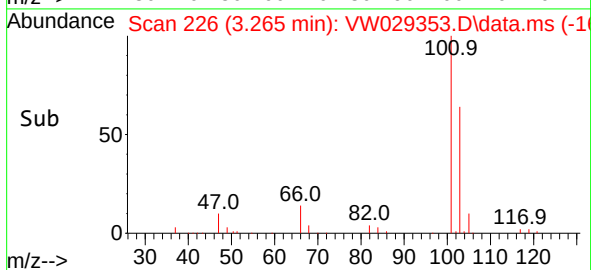
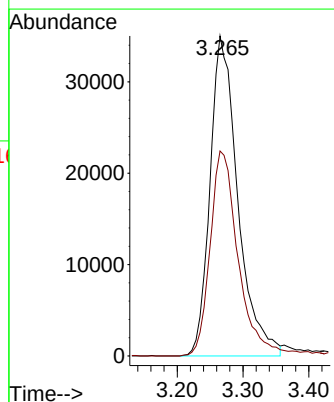
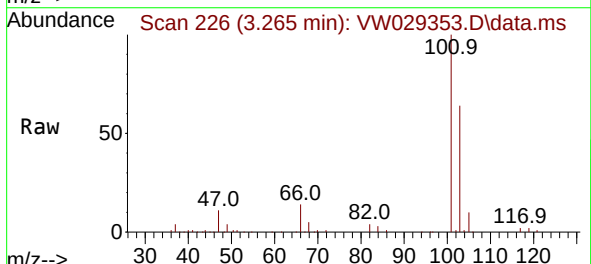
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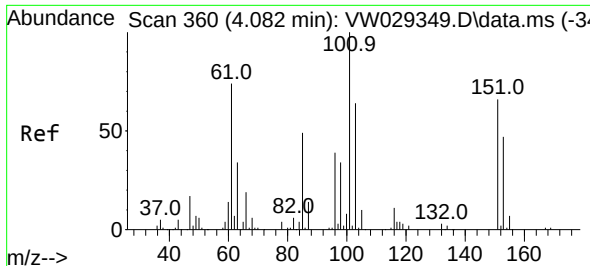
Tgt Ion: 64 Resp: 74253  
Ion Ratio Lower Upper  
64 100  
66 30.2 22.5 41.9



#9  
Trichlorofluoromethane  
Concen: 20.591 ug/L  
RT: 3.265 min Scan# 226  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
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Tgt Ion: 101 Resp: 103087  
Ion Ratio Lower Upper  
101 100  
103 64.3 50.8 76.2

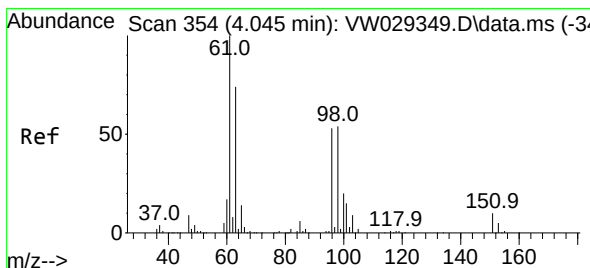
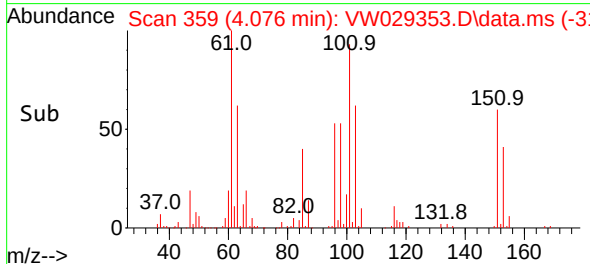
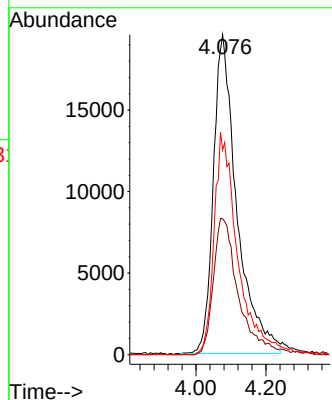
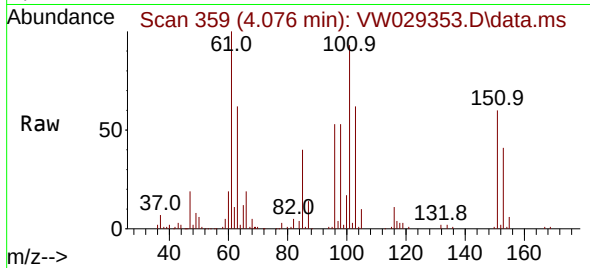




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 16.590 ug/L  
 RT: 4.076 min Scan# 310  
 Delta R.T. -0.006 min  
 Lab File: VW029353.D  
 Acq: 26 Jun 2024 11:45

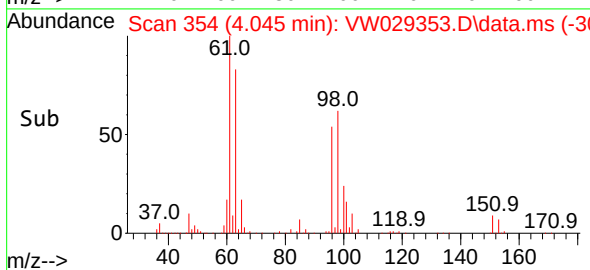
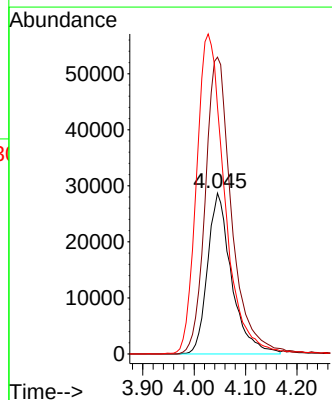
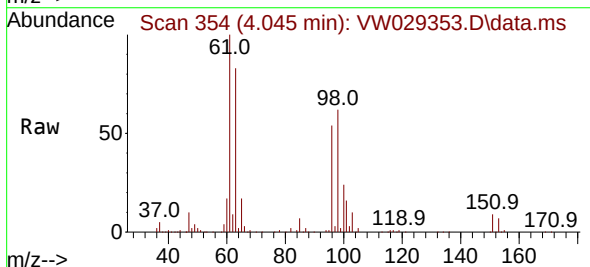
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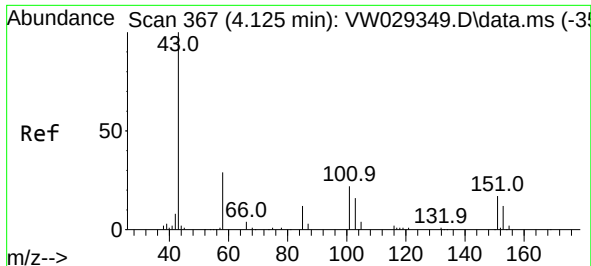
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 Ion Ratio Lower Upper  
 101 100  
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 151 68.1 52.2 78.4



#12  
 1,1-Dichloroethene  
 Concen: 19.913 ug/L  
 RT: 4.045 min Scan# 354  
 Delta R.T. 0.000 min  
 Lab File: VW029353.D  
 Acq: 26 Jun 2024 11:45

Tgt Ion: 96 Resp: 93265  
 Ion Ratio Lower Upper  
 96 100  
 61 184.5 140.1 260.3  
 63 153.7 122.0 226.6

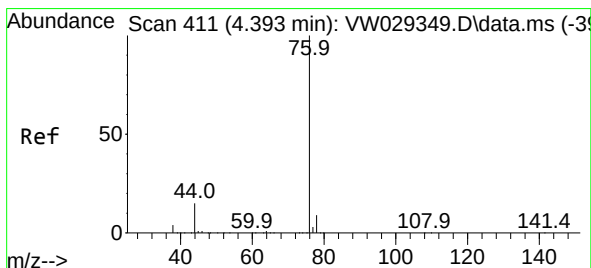
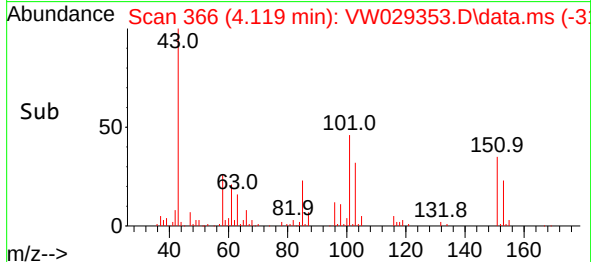
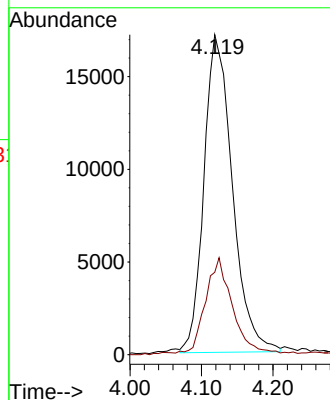
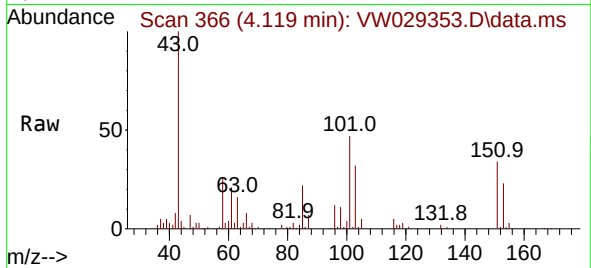




#13  
Acetone  
Concen: 33.320 ug/L  
RT: 4.119 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

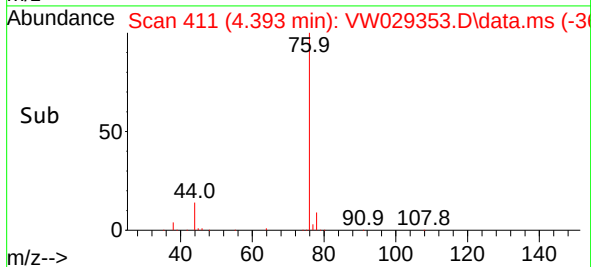
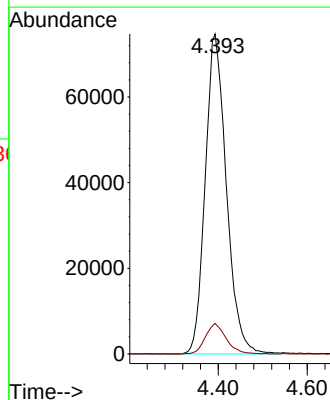
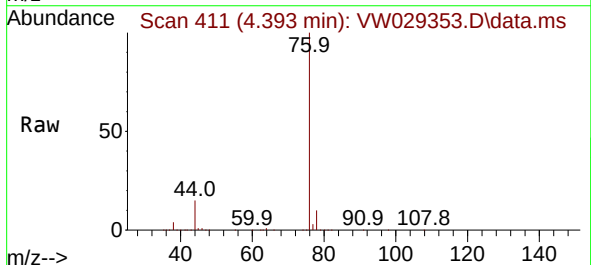
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

Tgt Ion: 43 Resp: 47398  
Ion Ratio Lower Upper  
43 100  
58 29.2 0.0 61.4

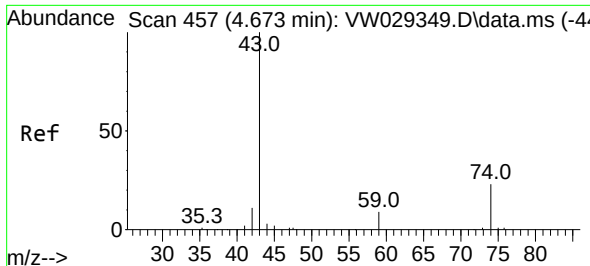


#14  
Carbon disulfide  
Concen: 16.177 ug/L  
RT: 4.393 min Scan# 411  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 76 Resp: 247343  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.2 10.8



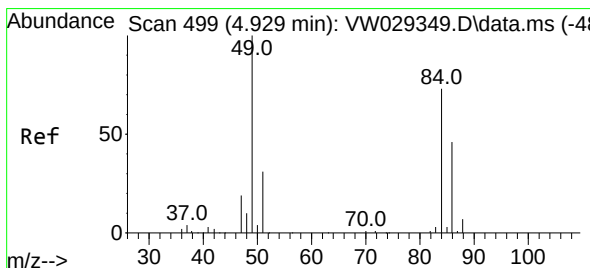
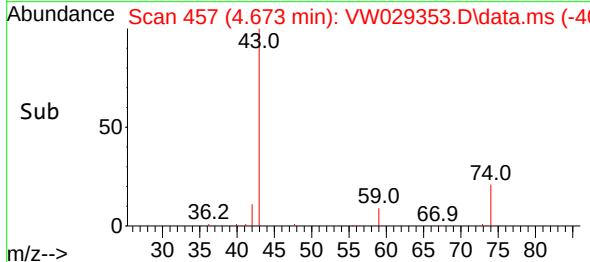
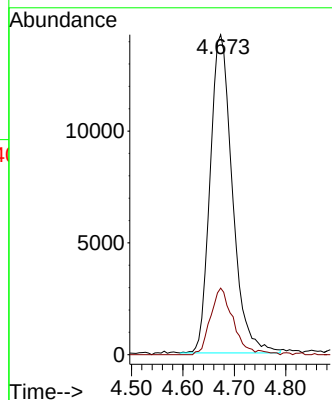
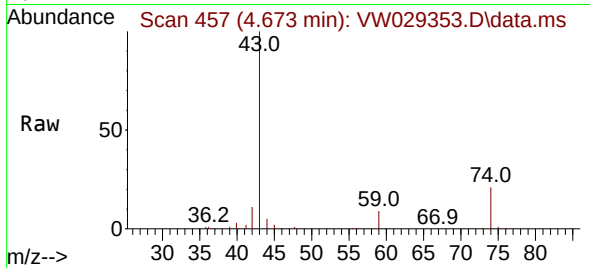




#15  
Methyl Acetate  
Concen: 15.171 ug/L  
RT: 4.673 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

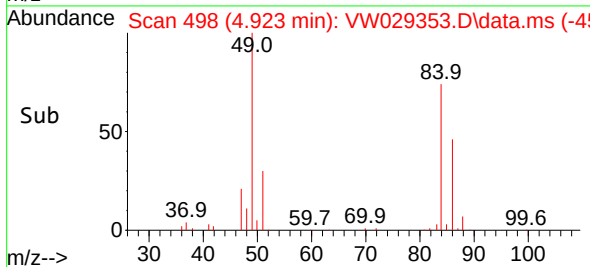
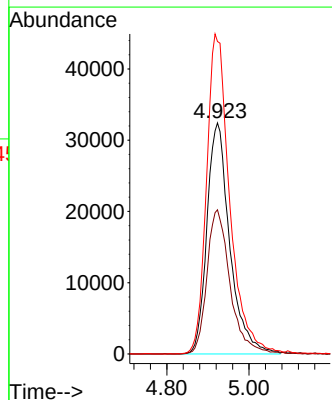
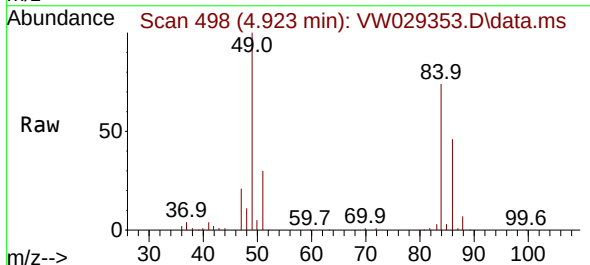
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

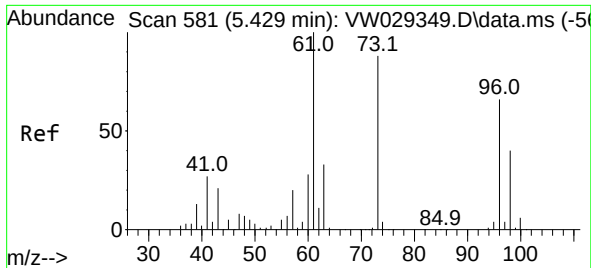
Tgt Ion: 43 Resp: 42843  
Ion Ratio Lower Upper  
43 100  
74 20.8 16.6 25.0



#16  
Methylene chloride  
Concen: 17.629 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 84 Resp: 125303  
Ion Ratio Lower Upper  
84 100  
86 62.4 41.4 77.0  
49 135.2 95.7 177.7

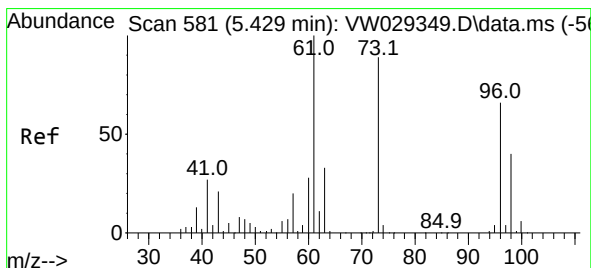
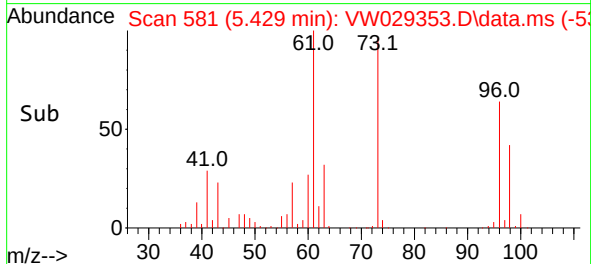
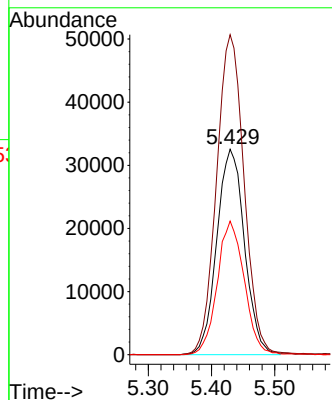
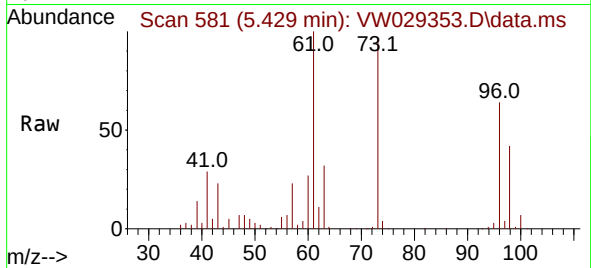




#17  
trans-1,2-Dichloroethene  
Concen: 19.018 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

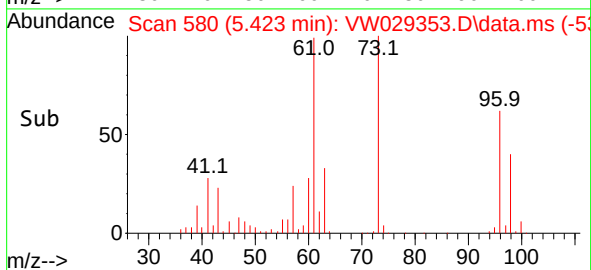
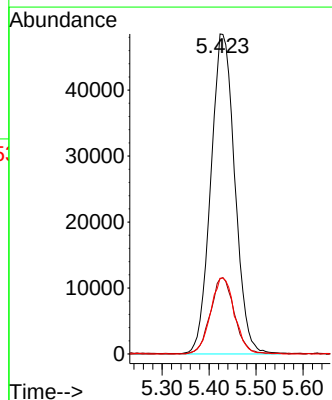
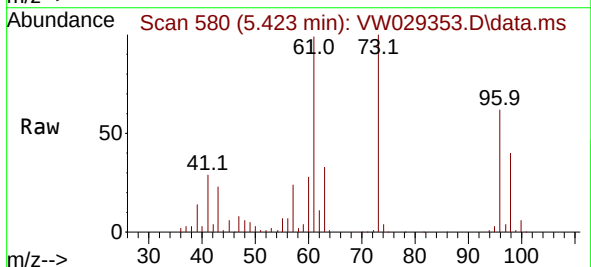
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

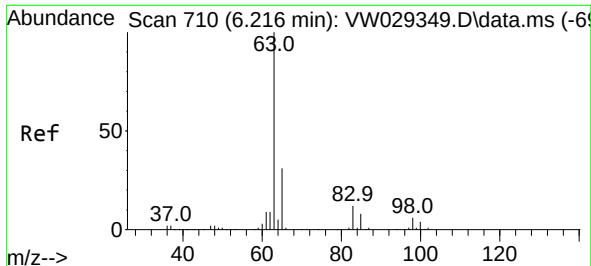
Tgt Ion: 96 Resp: 98919  
Ion Ratio Lower Upper  
96 100  
61 155.7 101.5 188.5  
98 65.0 43.3 80.3



#18  
Methyl tert-butyl Ether  
Concen: 20.707 ug/L  
RT: 5.423 min Scan# 580  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 73 Resp: 172320  
Ion Ratio Lower Upper  
73 100  
43 23.4 19.5 29.3  
57 23.7 18.4 27.6





#19

1,1-Dichloroethane

Concen: 19.904 ug/L

RT: 6.222 min Scan# 710

Delta R.T. 0.006 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

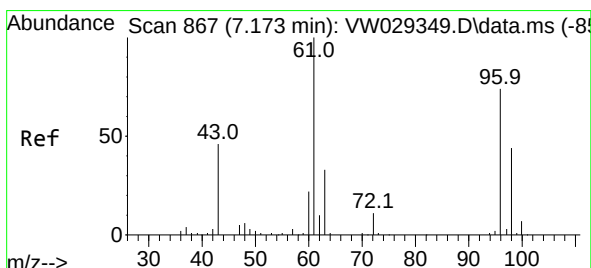
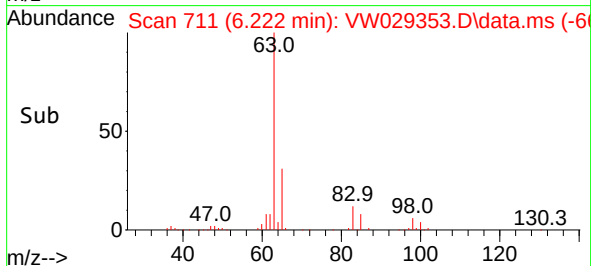
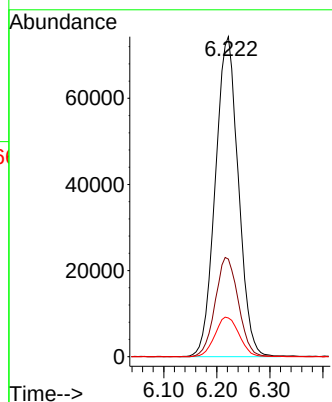
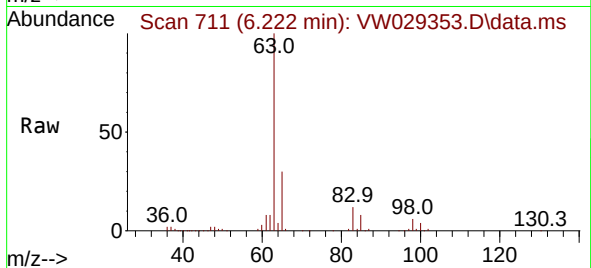
Tgt Ion: 63 Resp: 223600

Ion Ratio Lower Upper

63 100

65 30.5 23.4 43.4

83 12.1 8.9 16.5



#20

cis-1,2-Dichloroethene

Concen: 19.637 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

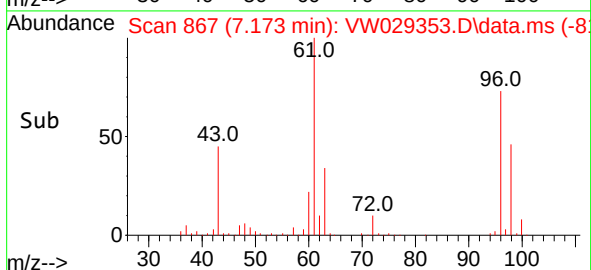
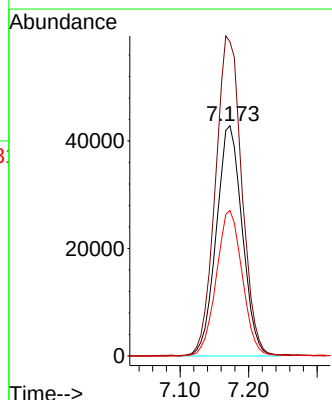
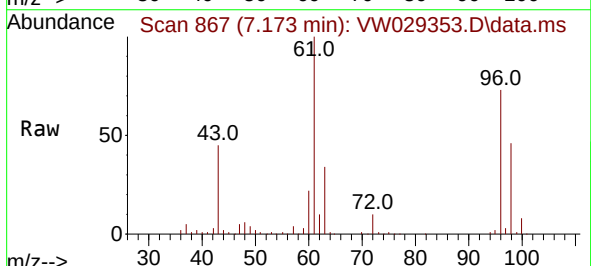
Tgt Ion: 96 Resp: 112632

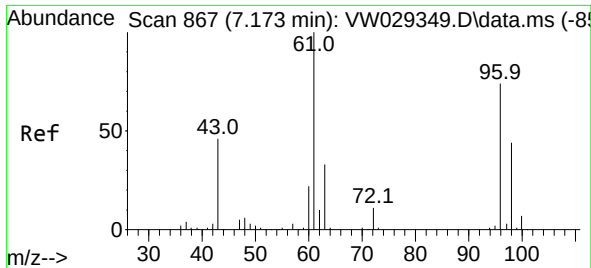
Ion Ratio Lower Upper

96 100

61 136.5 97.8 181.6

98 63.2 43.0 79.8

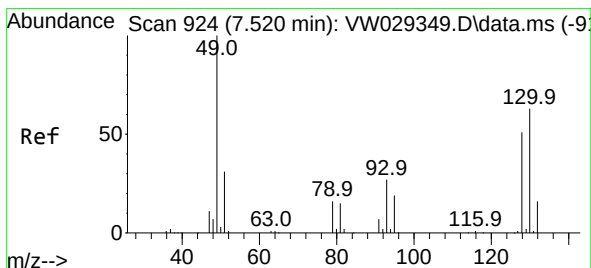
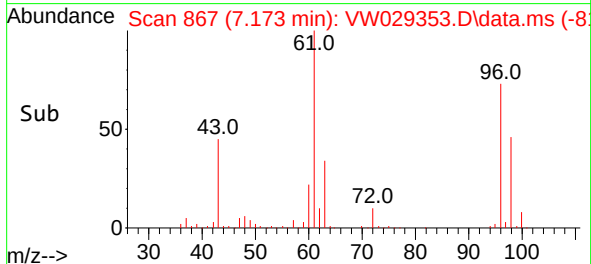
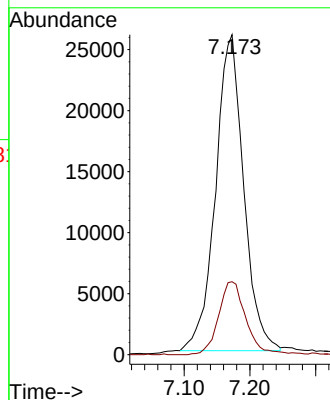
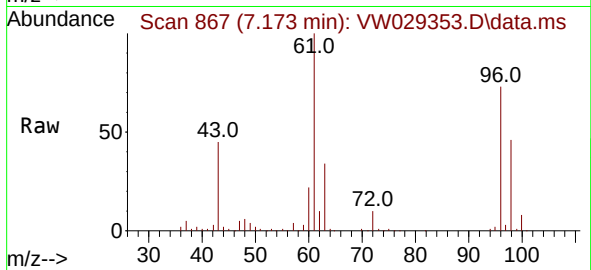




#22  
2-Butanone  
Concen: 39.509 ug/L  
RT: 7.173 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

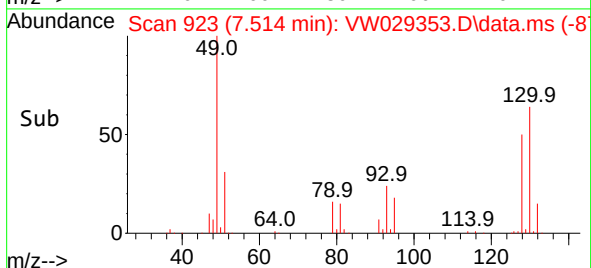
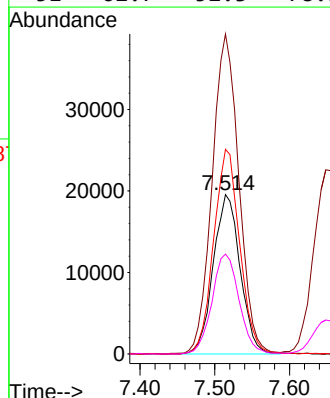
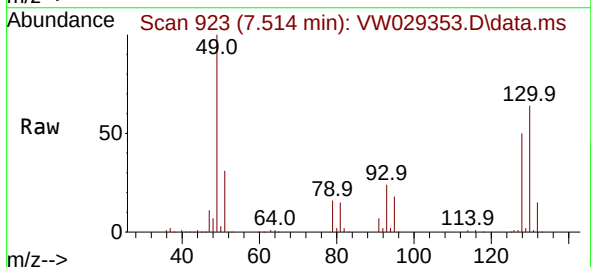
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

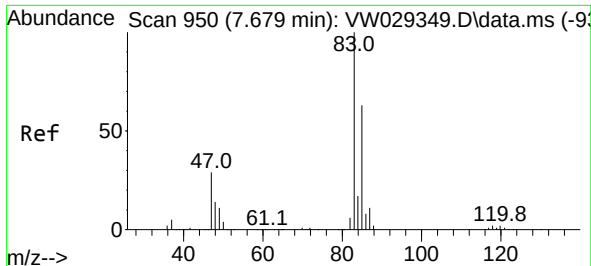
Tgt Ion: 43 Resp: 77042  
Ion Ratio Lower Upper  
43 100  
72 22.3 11.9 35.7



#23  
Bromochloromethane  
Concen: 19.099 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. -0.006 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 128 Resp: 48766  
Ion Ratio Lower Upper  
128 100  
49 200.9 142.6 264.8  
130 128.4 79.7 148.1  
51 62.7 52.3 78.5

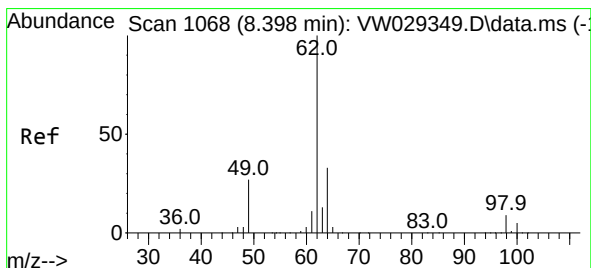
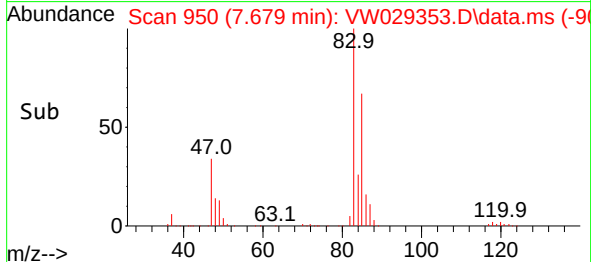
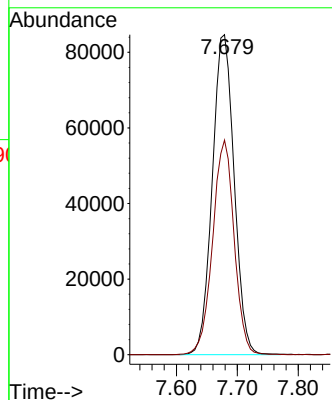
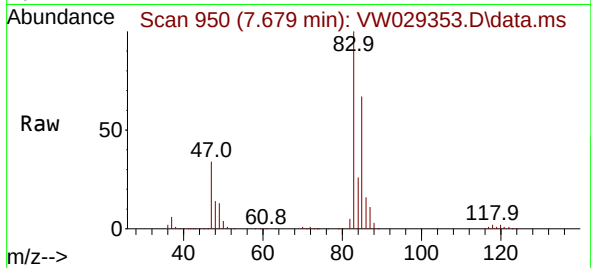




#25  
Chloroform  
Concen: 19.250 ug/L  
RT: 7.679 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

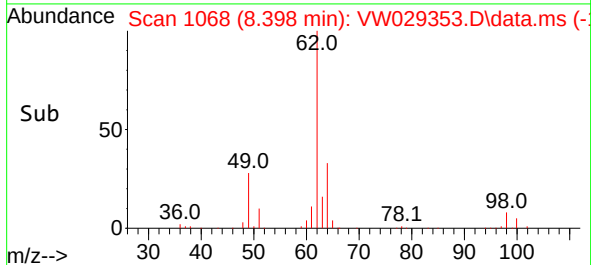
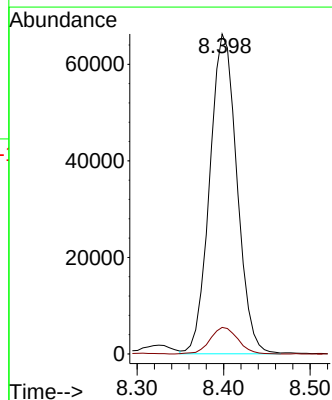
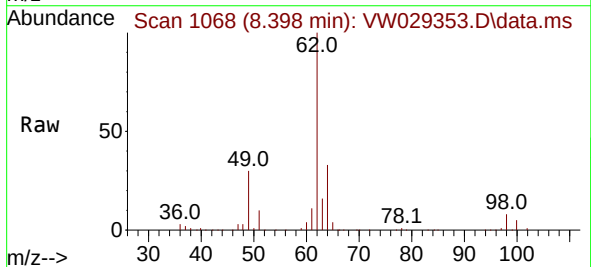
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

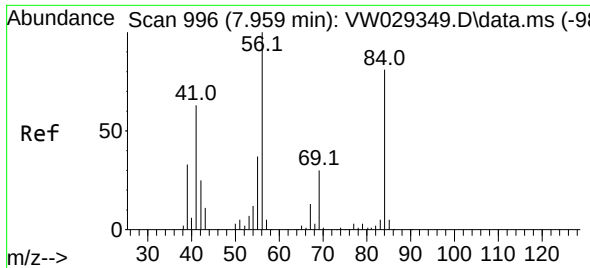
Tgt Ion: 83 Resp: 211167  
Ion Ratio Lower Upper  
83 100  
85 67.1 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 17.891 ug/L  
RT: 8.398 min Scan# 1068  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 62 Resp: 144751  
Ion Ratio Lower Upper  
62 100  
98 8.3 6.6 10.0

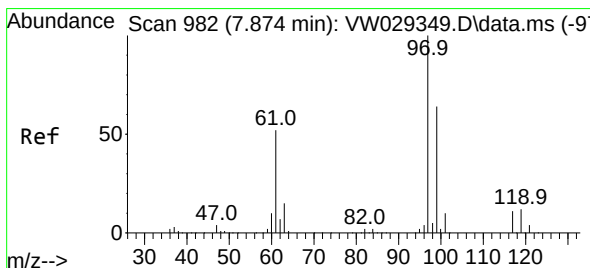
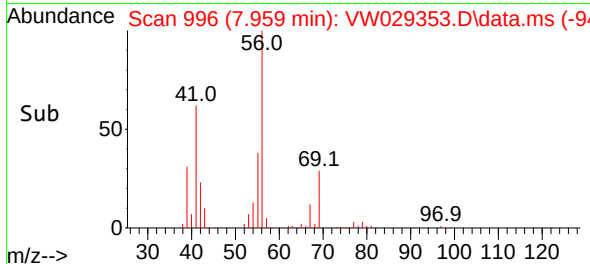
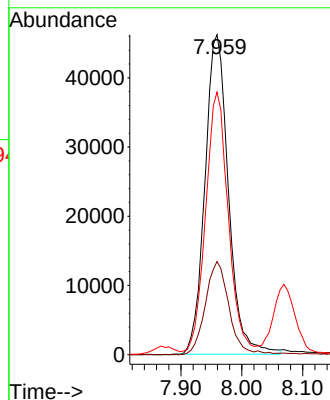
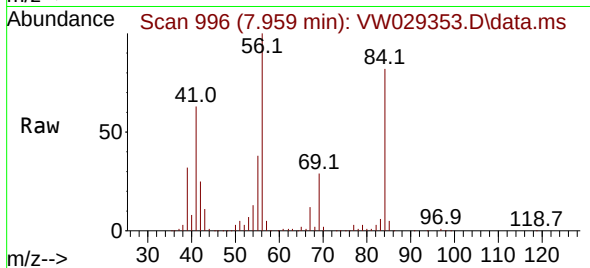




#29  
Cyclohexane  
Concen: 18.530 ug/L  
RT: 7.959 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

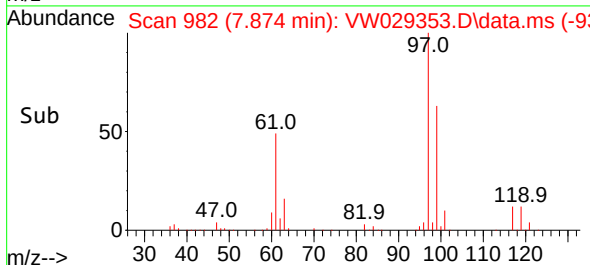
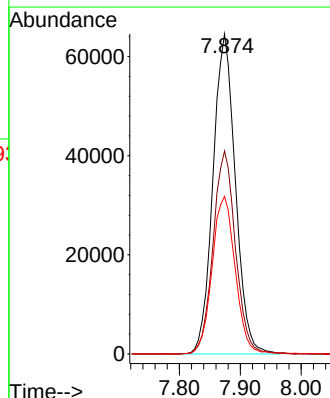
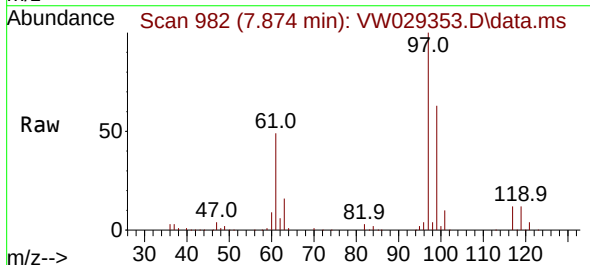
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

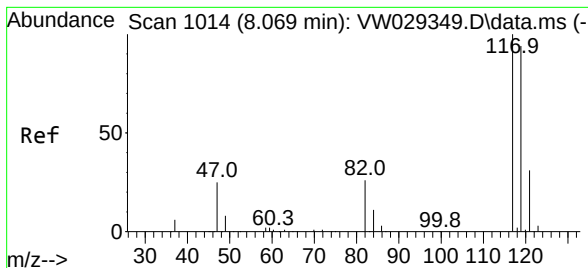
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 124016 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 28.7  | 23.4  | 35.0   |
| 84        | 79.1  | 64.5  | 96.7   |



#30  
1,1,1-Trichloroethane  
Concen: 25.340 ug/L  
RT: 7.874 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 97    | Resp: | 164964 |
| Ion Ratio | Lower | Upper |        |
| 97        | 100   |       |        |
| 99        | 63.4  | 53.0  | 79.4   |
| 61        | 50.6  | 43.0  | 64.4   |





#31

Carbon tetrachloride

Concen: 23.260 ug/L

RT: 8.069 min Scan# 1014

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

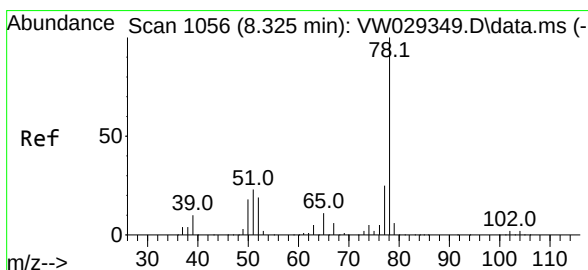
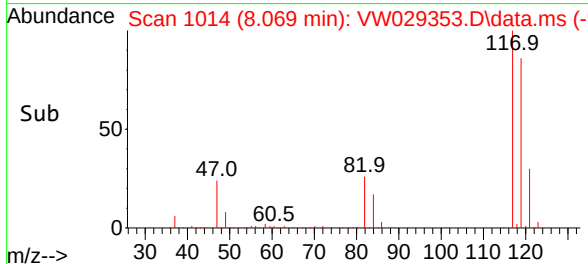
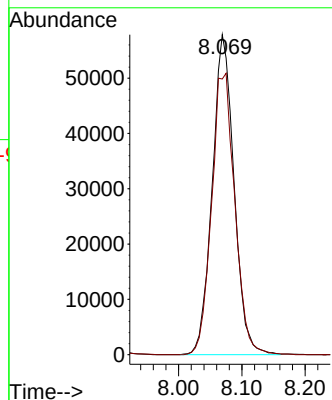
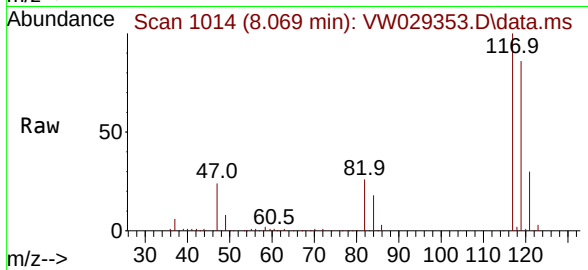
A4CX6MS

Tgt Ion:117 Resp: 138324

Ion Ratio Lower Upper

117 100

119 93.8 79.0 118.4



#33

Benzene

Concen: 25.184 ug/L

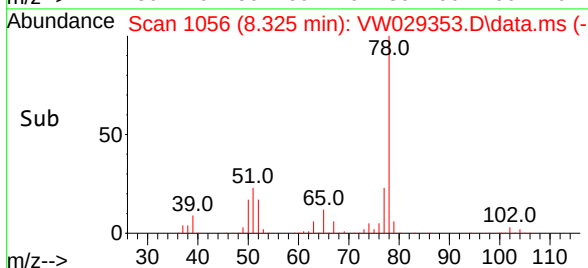
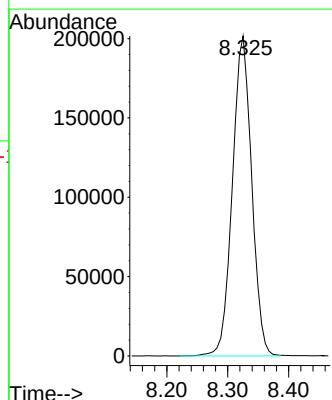
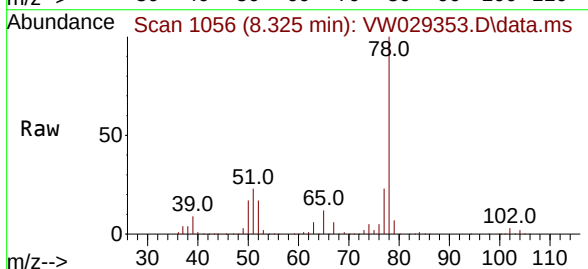
RT: 8.325 min Scan# 1056

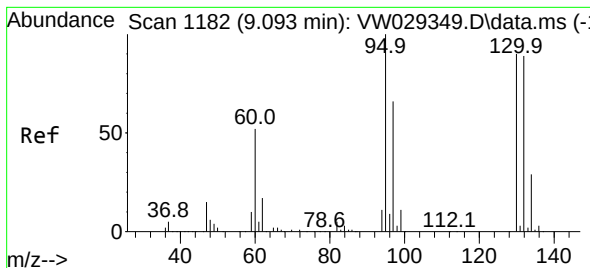
Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Tgt Ion: 78 Resp: 443003





#34

Trichloroethene

Concen: 22.189 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

Tgt Ion: 95 Resp: 104135

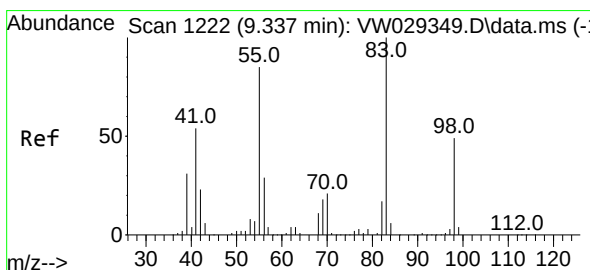
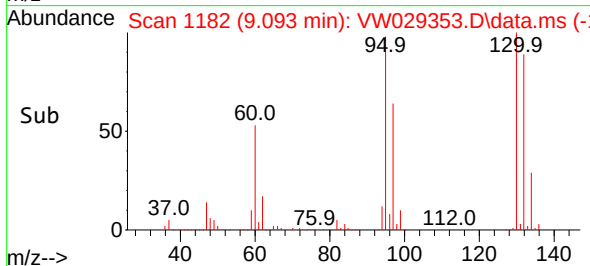
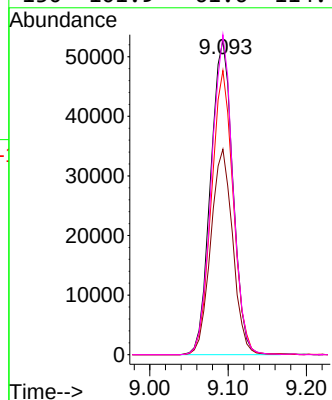
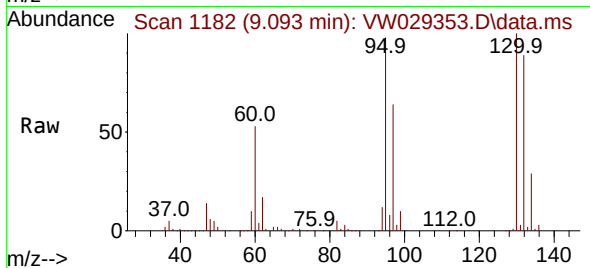
Ion Ratio Lower Upper

95 100

97 65.4 45.7 84.9

132 90.5 66.4 123.4

130 101.9 61.6 114.4



#35

Methylcyclohexane

Concen: 12.927 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

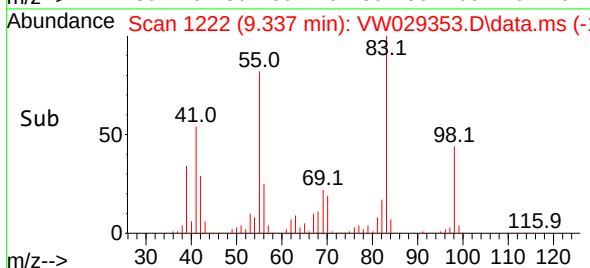
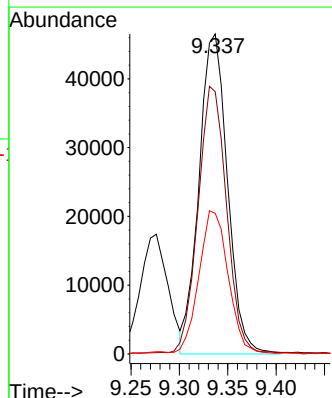
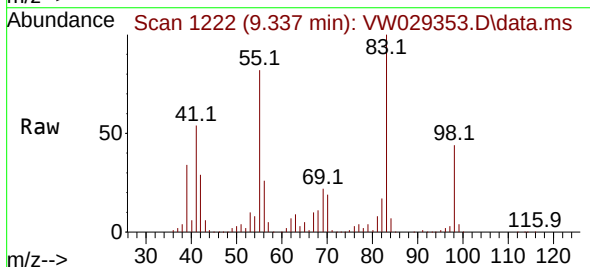
Tgt Ion: 83 Resp: 95409

Ion Ratio Lower Upper

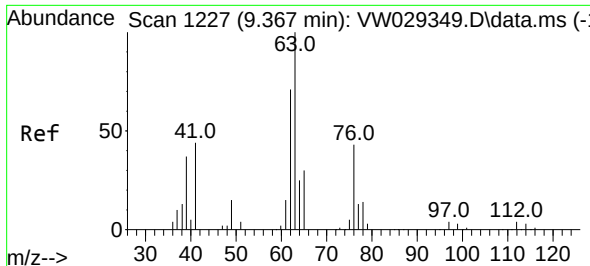
83 100

55 84.4 69.5 104.3

98 46.3 38.0 57.0







#37

1,2-Dichloropropane

Concen: 24.693 ug/L

RT: 9.368 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

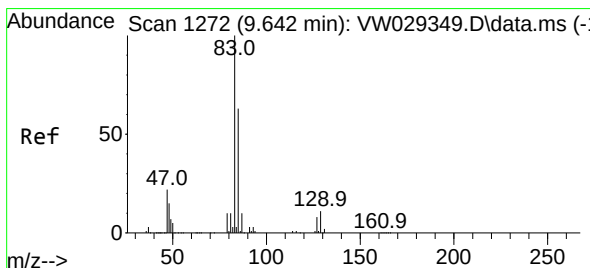
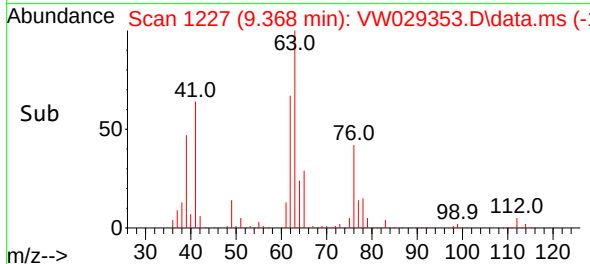
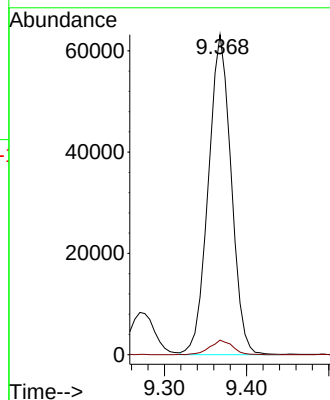
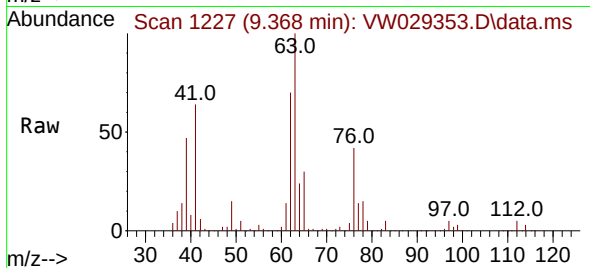
A4CX6MS

Tgt Ion: 63 Resp: 122053

Ion Ratio Lower Upper

63 100

112 4.5 3.8 5.6



#38

Bromodichloromethane

Concen: 23.245 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

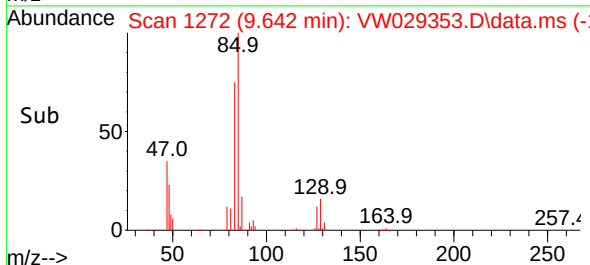
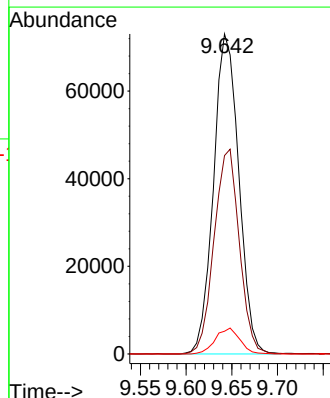
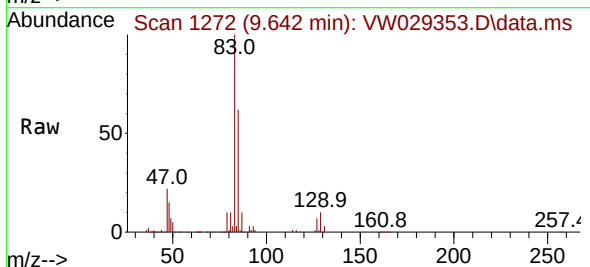
Tgt Ion: 83 Resp: 140480

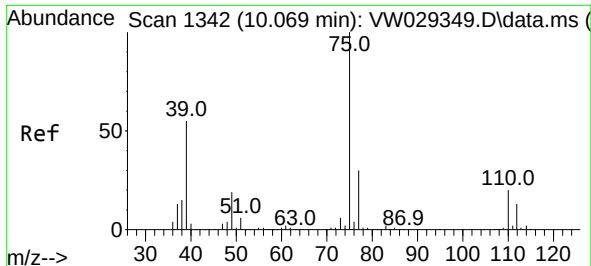
Ion Ratio Lower Upper

83 100

85 62.0 45.1 83.9

127 7.1 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 22.181 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

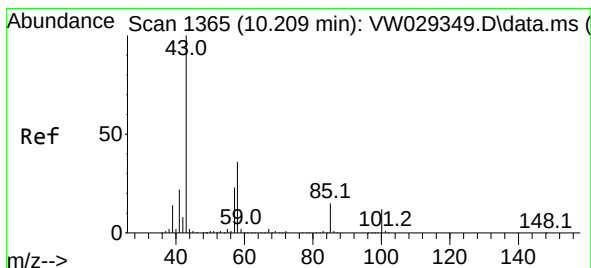
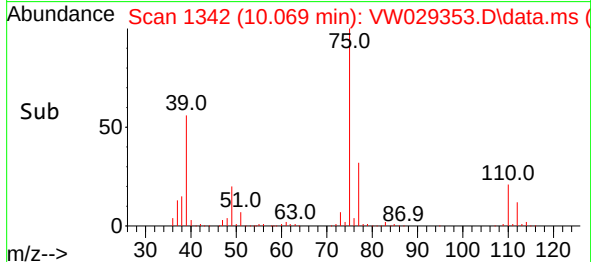
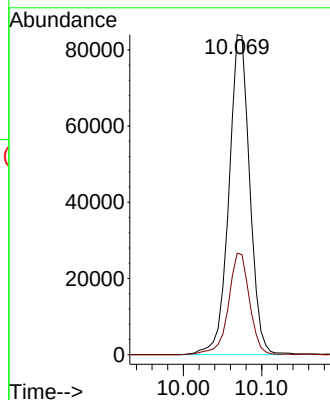
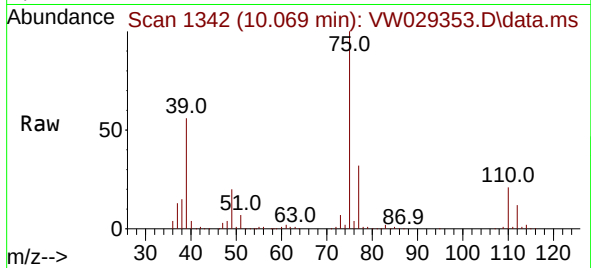
A4CX6MS

Tgt Ion: 75 Resp: 154985

Ion Ratio Lower Upper

75 100

77 31.7 22.7 42.1



#40

4-Methyl-2-pentanone

Concen: 48.711 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

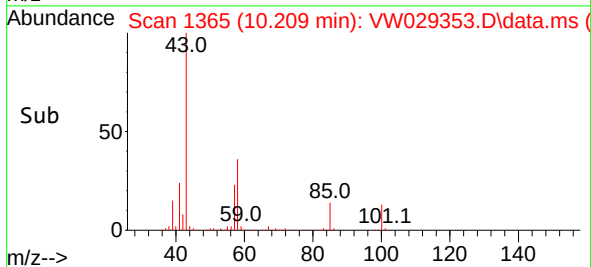
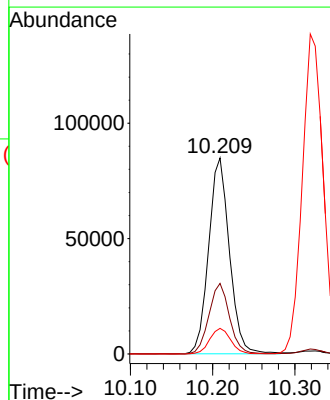
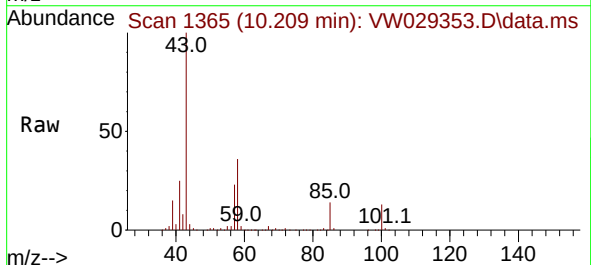
Tgt Ion: 43 Resp: 149234

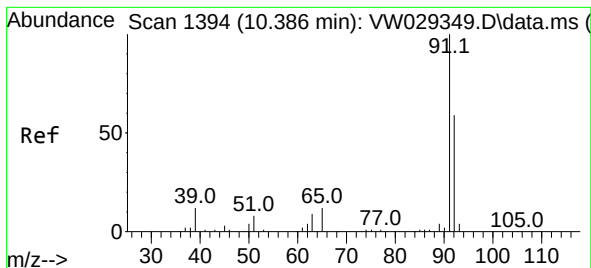
Ion Ratio Lower Upper

43 100

58 35.9 28.2 42.4

100 13.3 11.0 16.4





#42

Toluene

Concen: 22.955 ug/L

RT: 10.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

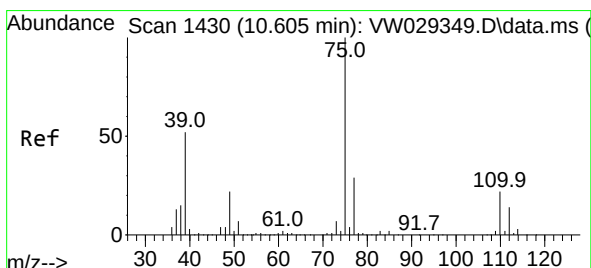
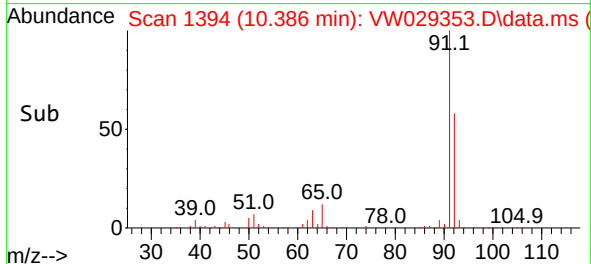
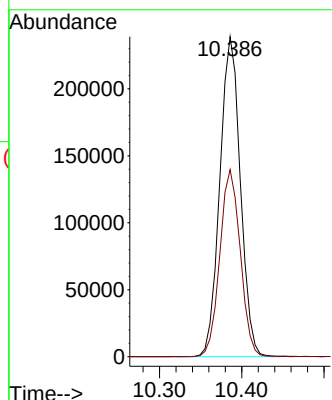
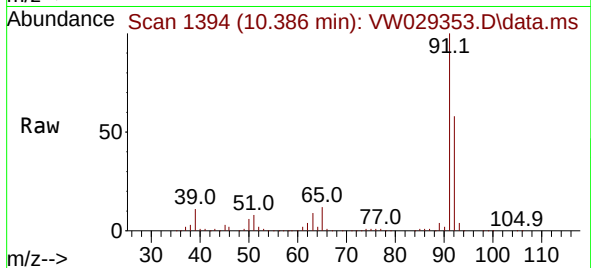
A4CX6MS

Tgt Ion: 91 Resp: 415107

Ion Ratio Lower Upper

91 100

92 58.5 39.3 73.1



#44

trans-1,3-Dichloropropene

Concen: 21.484 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029353.D

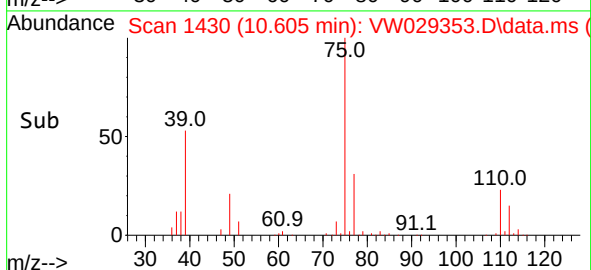
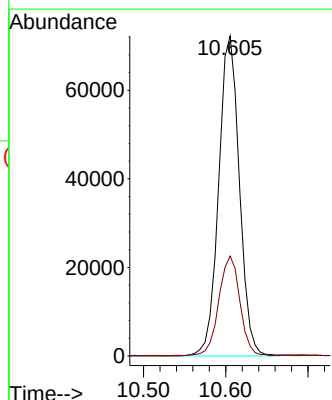
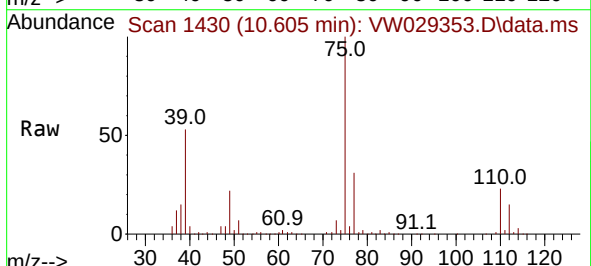
Acq: 26 Jun 2024 11:45

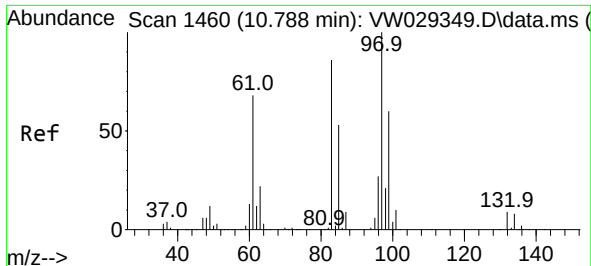
Tgt Ion: 75 Resp: 126749

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 21.899 ug/L

RT: 10.782 min Scan# 14

Delta R.T. -0.006 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

Tgt Ion: 97 Resp: 75389

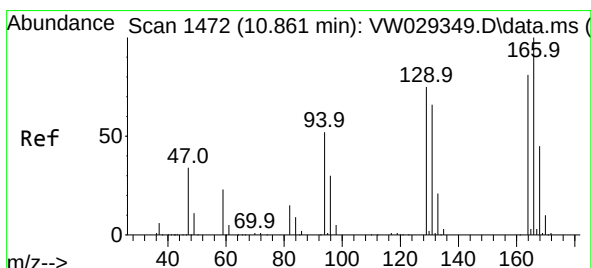
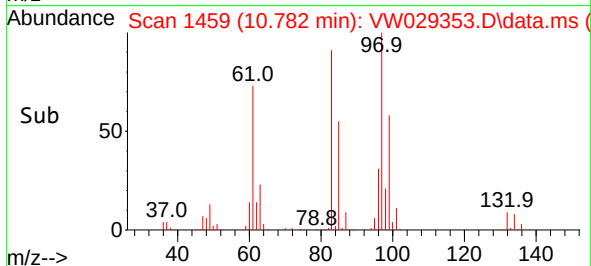
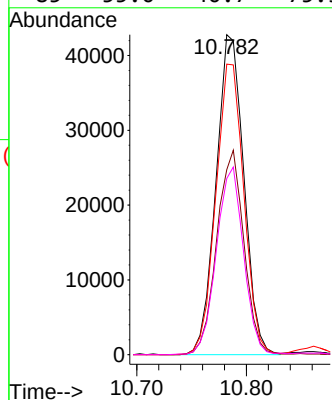
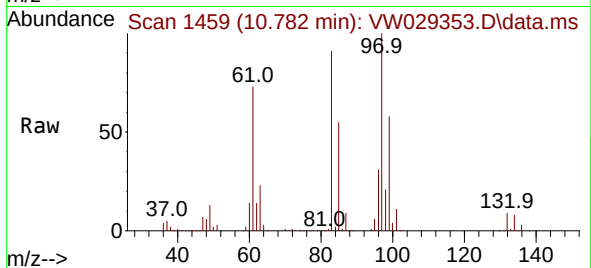
Ion Ratio Lower Upper

97 100

99 57.8 42.3 78.5

83 90.8 57.7 107.1

85 55.0 40.7 75.5



#46

Tetrachloroethene

Concen: 18.033 ug/L

RT: 10.855 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Tgt Ion:164 Resp: 59161

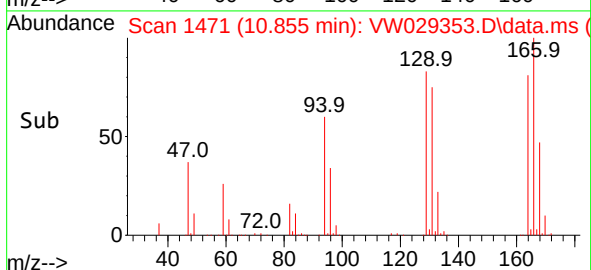
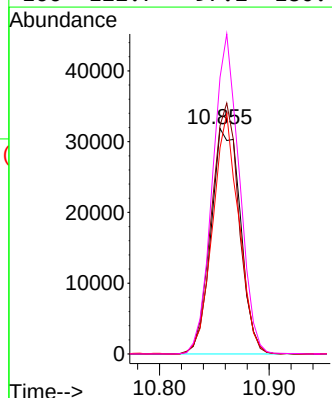
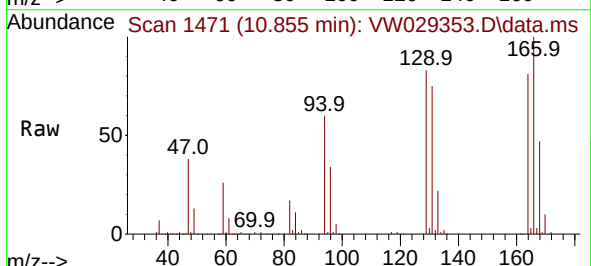
Ion Ratio Lower Upper

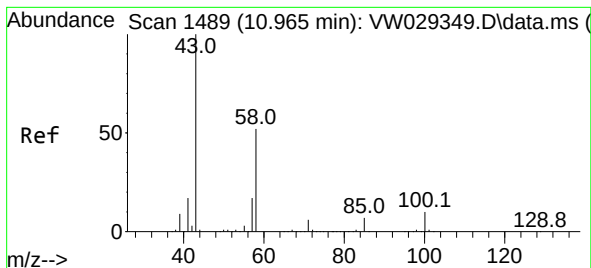
164 100

129 101.3 68.5 127.3

131 91.5 71.8 133.4

166 122.7 97.2 180.4





#48

2-Hexanone

Concen: 48.390 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

Tgt Ion: 43 Resp: 105195

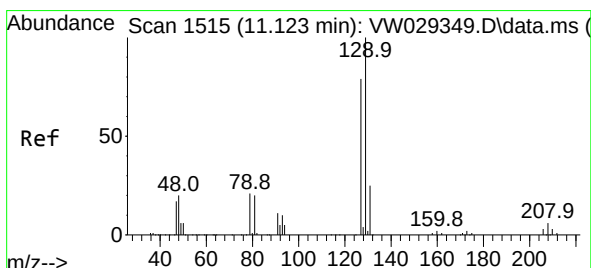
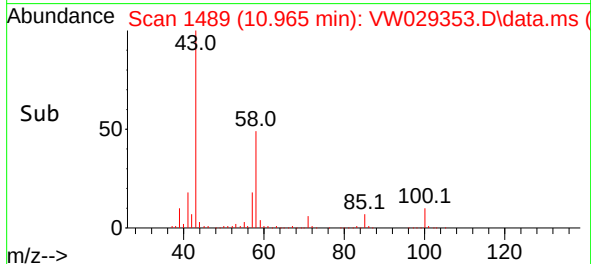
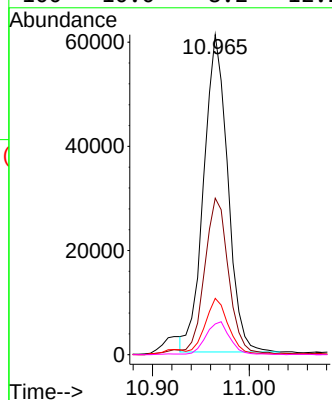
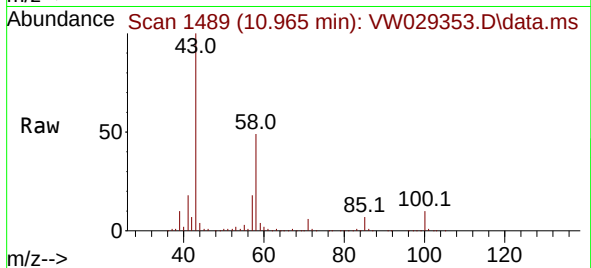
Ion Ratio Lower Upper

43 100

58 49.5 39.6 59.4

57 17.3 14.6 21.8

100 10.0 8.2 12.2



#49

Dibromochloromethane

Concen: 21.238 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. 0.006 min

Lab File: VW029353.D

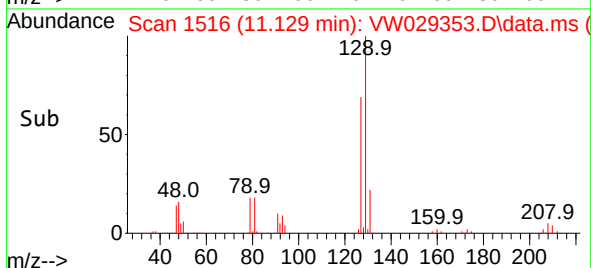
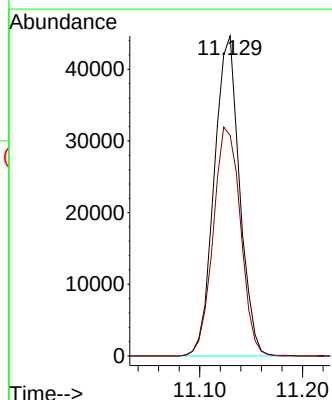
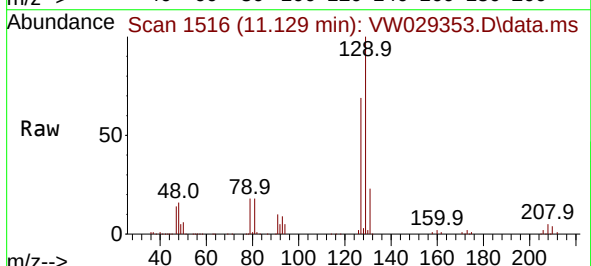
Acq: 26 Jun 2024 11:45

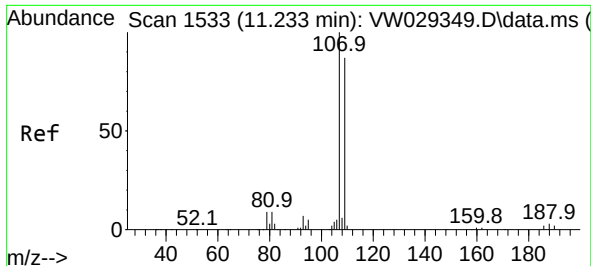
Tgt Ion:129 Resp: 76427

Ion Ratio Lower Upper

129 100

127 68.9 54.8 101.8





#50

1,2-Dibromoethane

Concen: 21.901 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

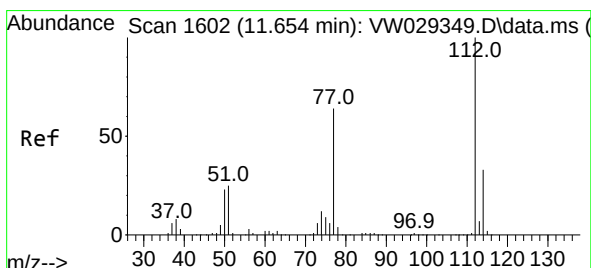
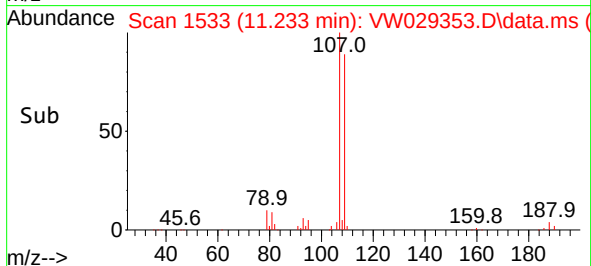
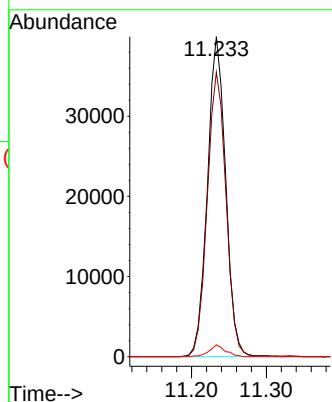
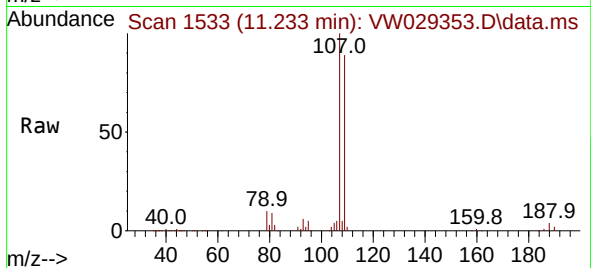
Tgt Ion:107 Resp: 67679

Ion Ratio Lower Upper

107 100

109 88.9 65.5 121.6

188 3.7 2.6 4.0



#51

Chlorobenzene

Concen: 19.172 ug/L

RT: 11.654 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

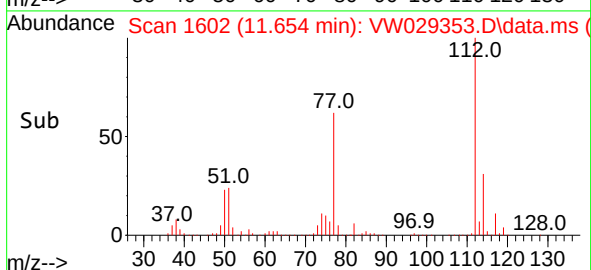
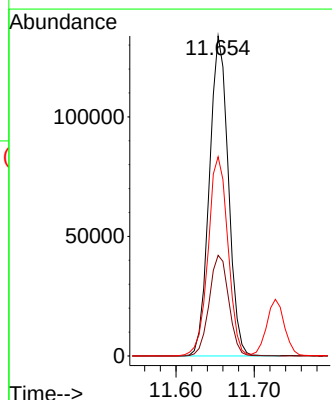
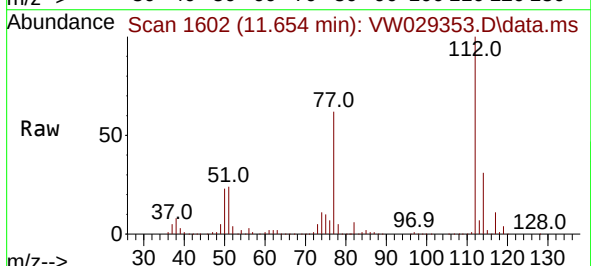
Tgt Ion:112 Resp: 225139

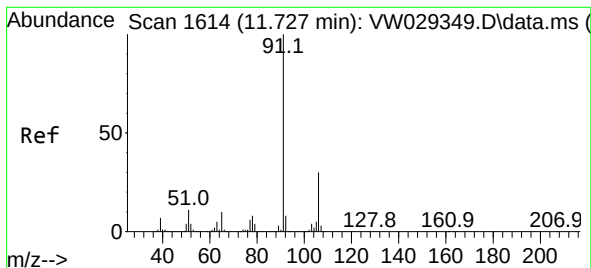
Ion Ratio Lower Upper

112 100

114 31.5 22.6 42.0

77 62.3 51.0 76.6

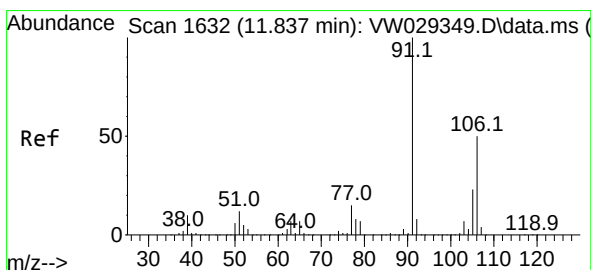
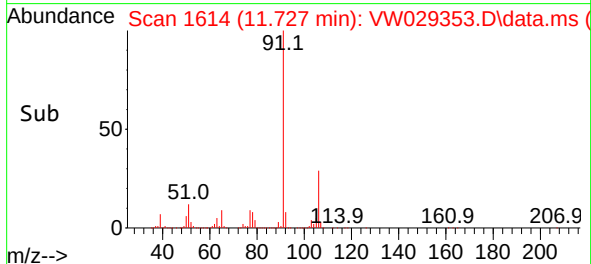
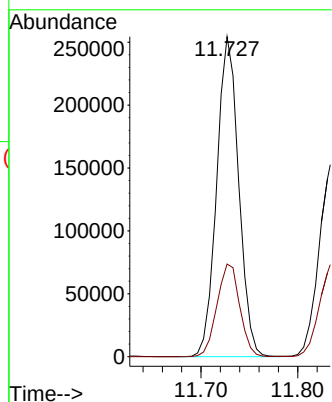
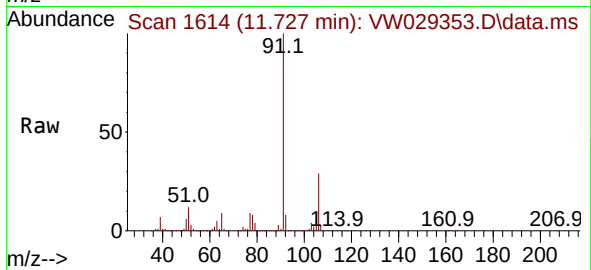




#52  
Ethylbenzene  
Concen: 19.576 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

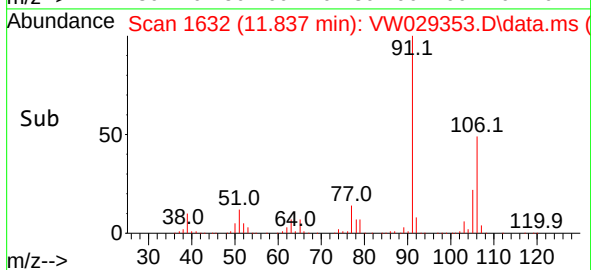
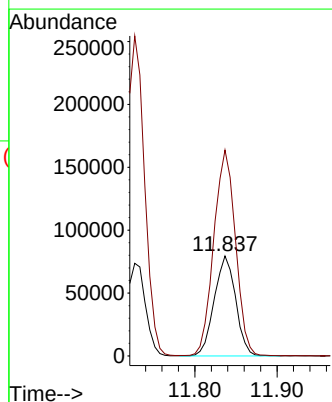
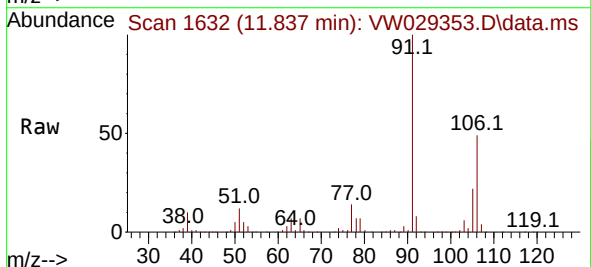
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

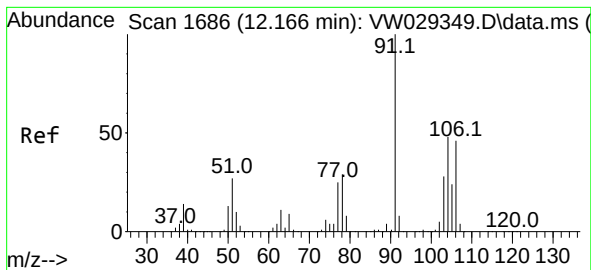
Tgt Ion: 91 Resp: 401843  
Ion Ratio Lower Upper  
91 100  
106 29.0 19.9 37.0



#53  
m,p-Xylene  
Concen: 19.210 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 106 Resp: 144039  
Ion Ratio Lower Upper  
106 100  
91 206.0 140.5 260.9





#54

o-Xylene

Concen: 19.241 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

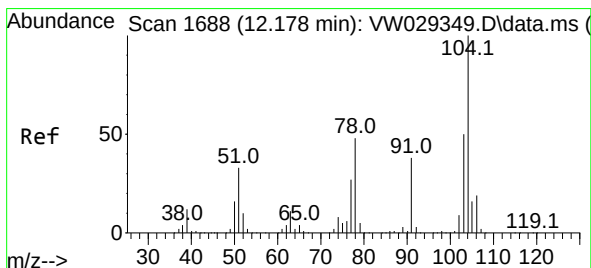
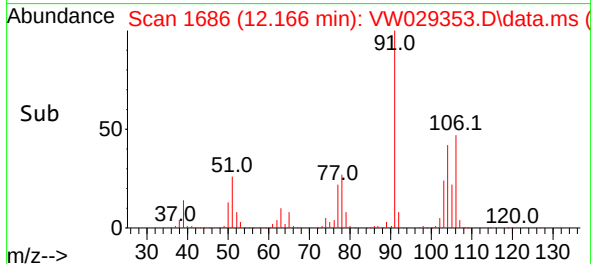
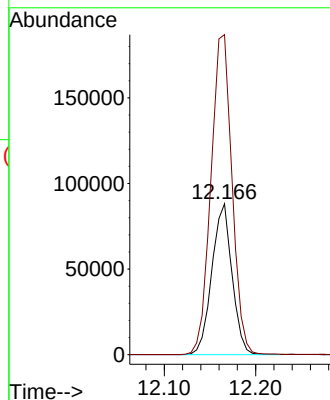
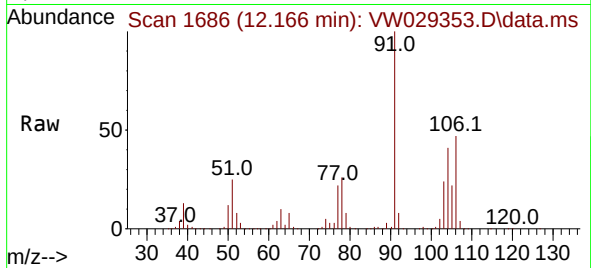
A4CX6MS

Tgt Ion:106 Resp: 134833

Ion Ratio Lower Upper

106 100

91 212.0 149.9 278.5



#55

Styrene

Concen: 18.437 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029353.D

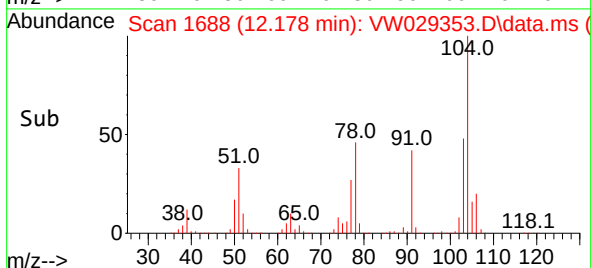
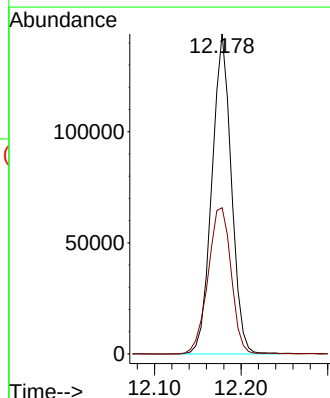
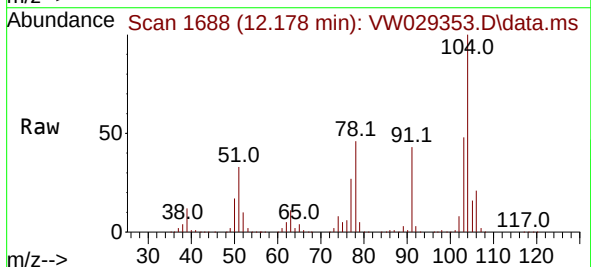
Acq: 26 Jun 2024 11:45

Tgt Ion:104 Resp: 225269

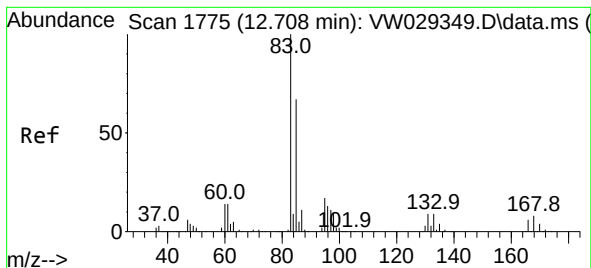
Ion Ratio Lower Upper

104 100

78 45.7 35.4 65.7







#57

1,1,2,2-Tetrachloroethane

Concen: 18.031 ug/L

RT: 12.715 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

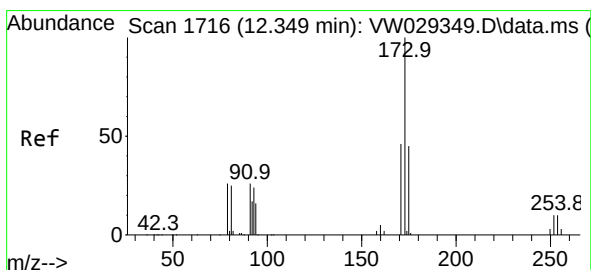
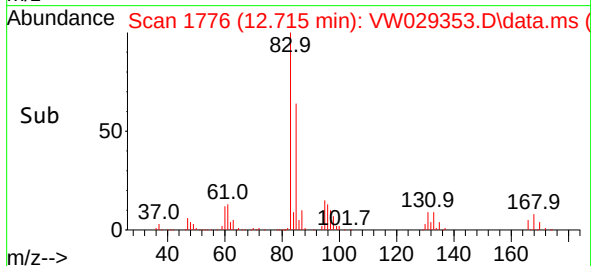
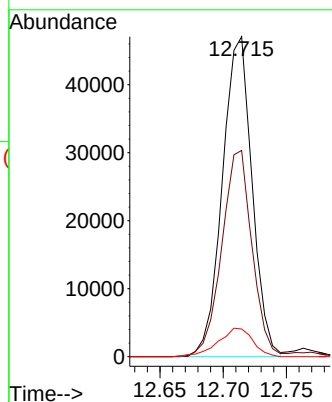
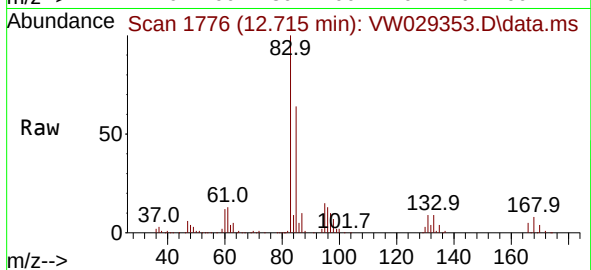
Tgt Ion: 83 Resp: 76781

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.0

131 8.7 7.8 11.6



#59

Bromoform

Concen: 29.534 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

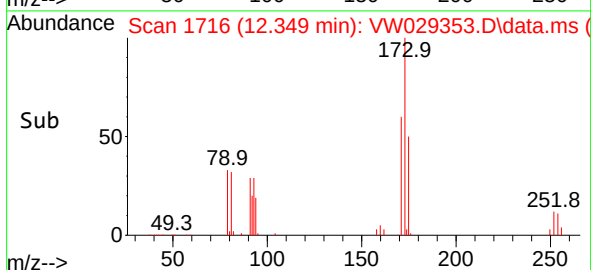
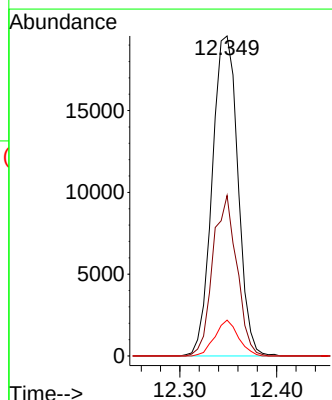
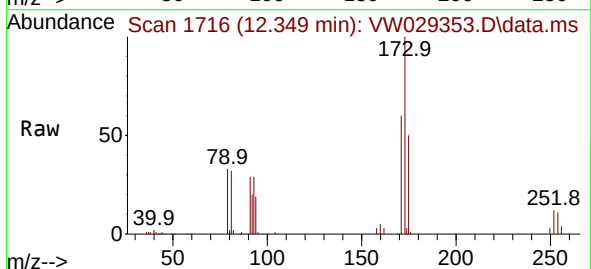
Tgt Ion:173 Resp: 36159

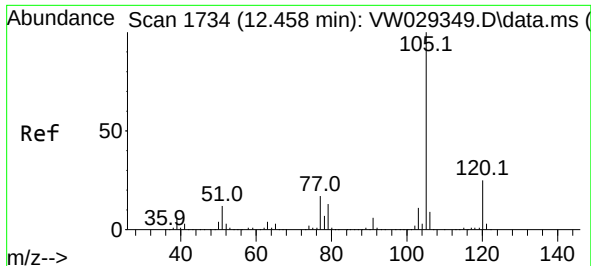
Ion Ratio Lower Upper

173 100

175 46.8 37.8 56.8

254 10.2 7.8 11.6

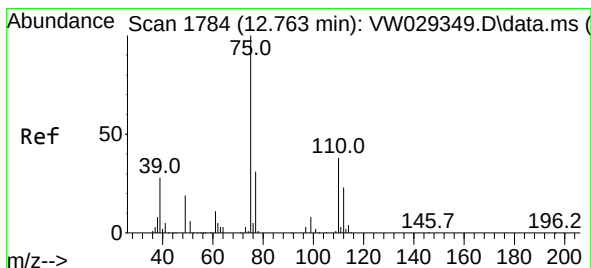
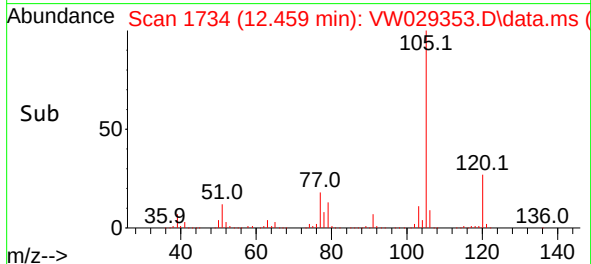
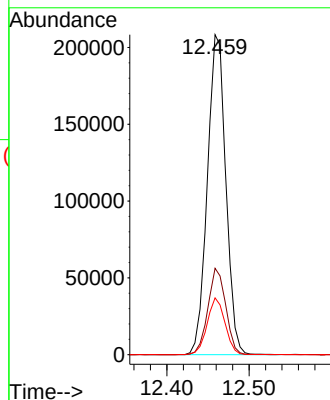
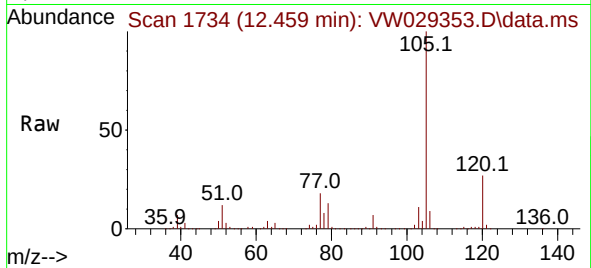




#60  
Isopropylbenzene  
Concen: 27.330 ug/L  
RT: 12.459 min Scan# 1734  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

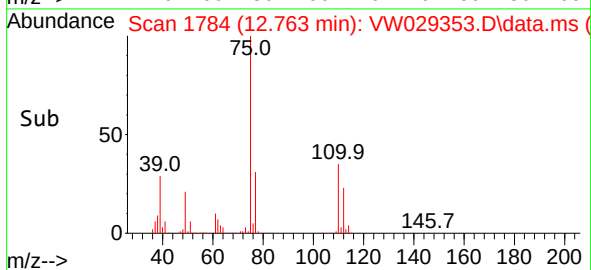
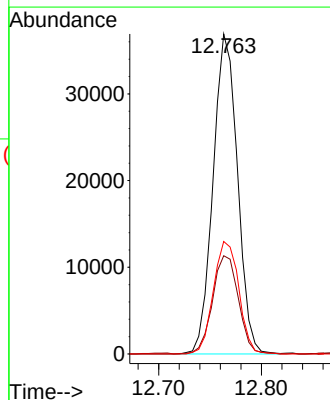
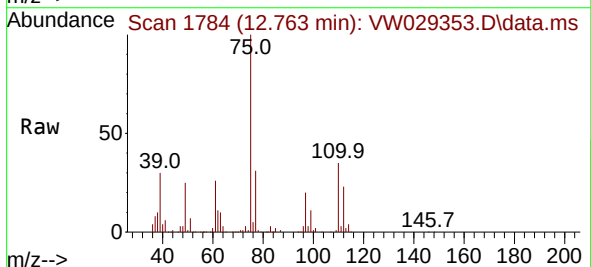
Instrument :  
MSVOA\_W  
ClientSampleId :  
A4CX6MS

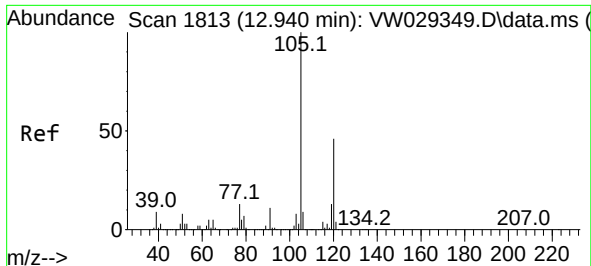
Tgt Ion:105 Resp: 325307  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.5 30.7  
77 17.2 13.6 20.4



#61  
1,2,3-Trichloropropane  
Concen: 31.184 ug/L  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW029353.D  
Acq: 26 Jun 2024 11:45

Tgt Ion: 75 Resp: 60761  
Ion Ratio Lower Upper  
75 100  
77 32.7 26.6 39.8  
110 36.7 29.5 44.3





#62

1,3,5-Trimethylbenzene

Concen: 23.323 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

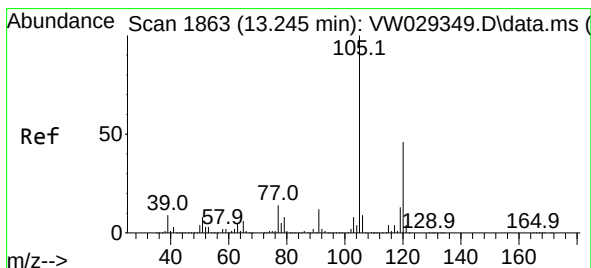
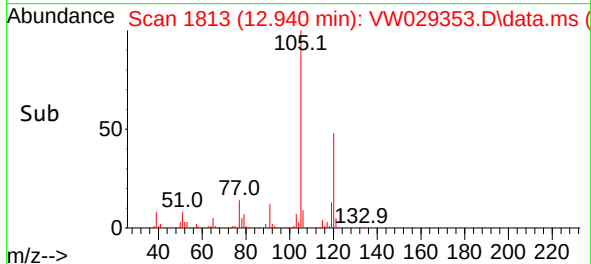
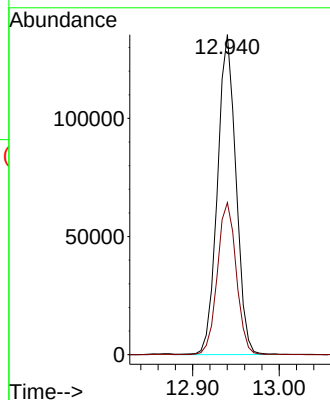
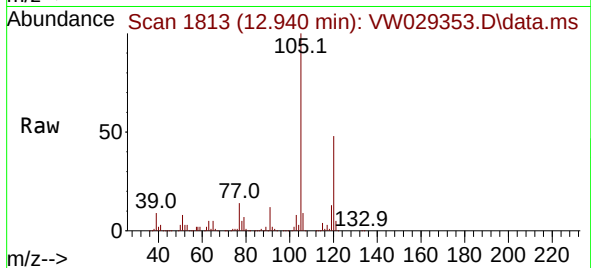
A4CX6MS

Tgt Ion:105 Resp: 201059

Ion Ratio Lower Upper

105 100

120 48.5 36.4 54.6



#63

1,2,4-Trimethylbenzene

Concen: 23.374 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029353.D

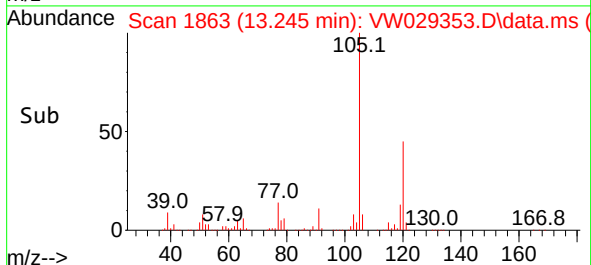
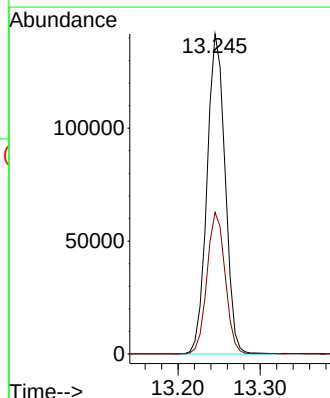
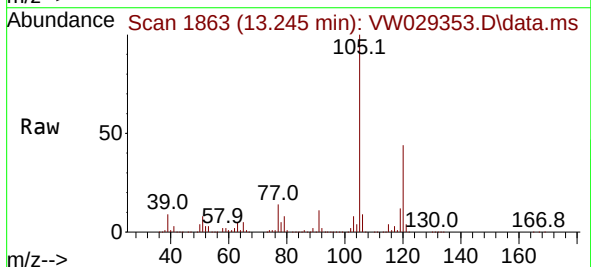
Acq: 26 Jun 2024 11:45

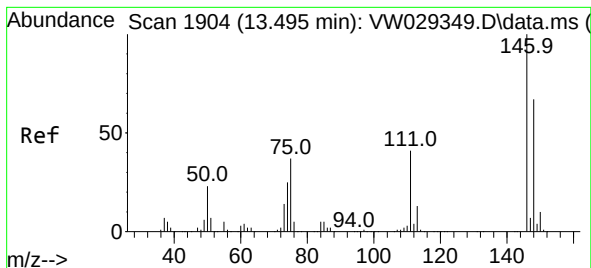
Tgt Ion:105 Resp: 216798

Ion Ratio Lower Upper

105 100

120 44.2 34.9 52.3





#64

1,3-Dichlorobenzene

Concen: 19.433 ug/L

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

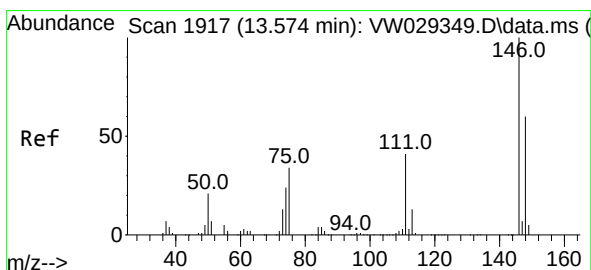
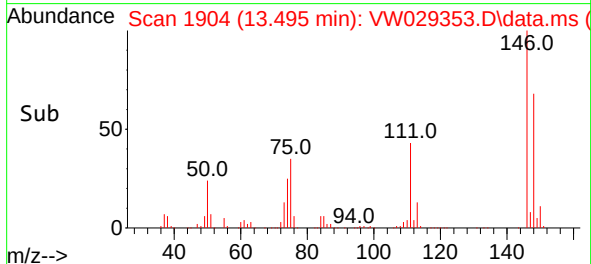
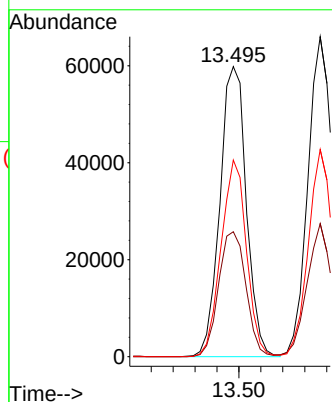
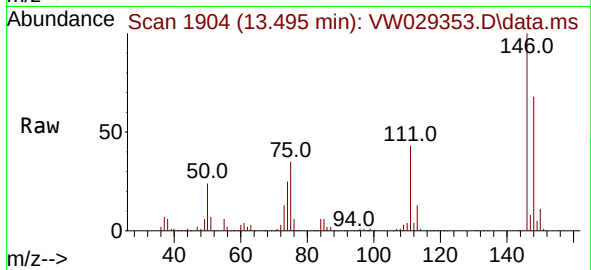
Tgt Ion:146 Resp: 100098

Ion Ratio Lower Upper

146 100

111 43.1 33.0 61.2

148 67.8 47.5 88.1



#65

1,4-Dichlorobenzene

Concen: 19.146 ug/L

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

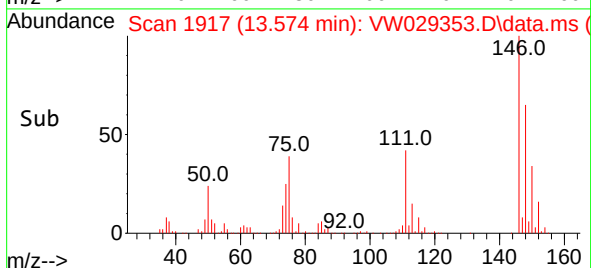
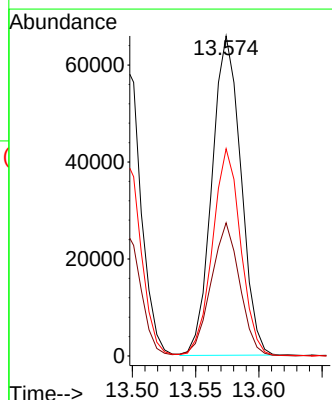
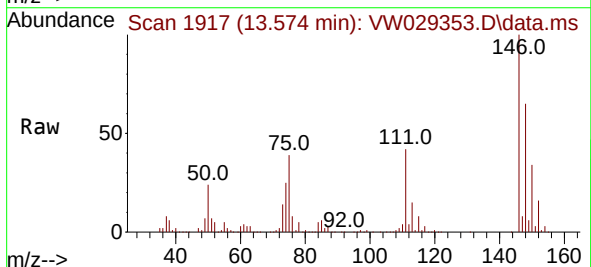
Tgt Ion:146 Resp: 104932

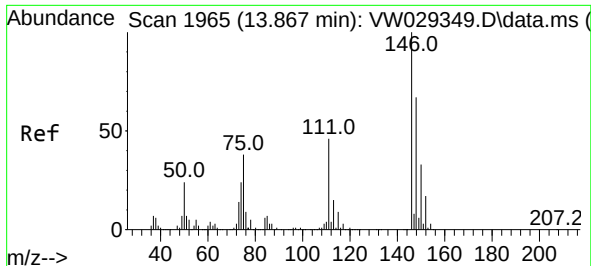
Ion Ratio Lower Upper

146 100

111 41.6 28.9 53.7

148 64.7 42.0 78.0





#67

1,2-Dichlorobenzene

Concen: 18.952 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

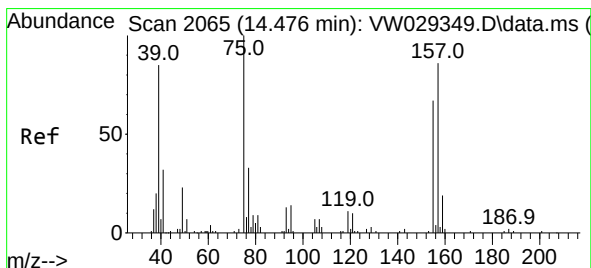
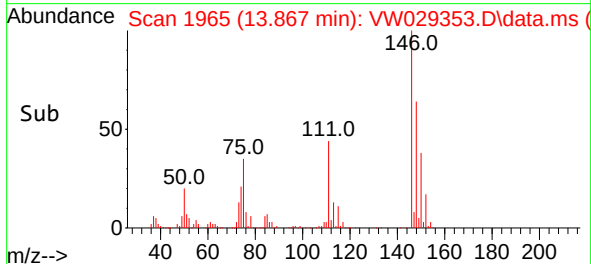
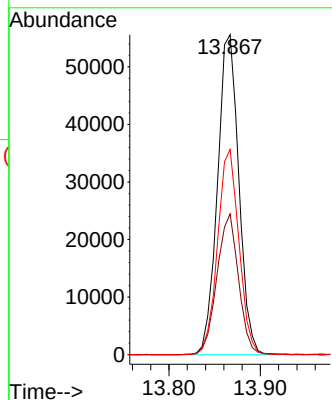
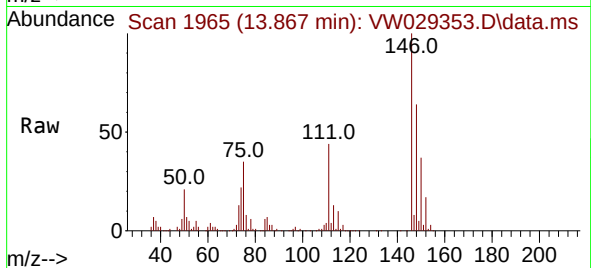
Tgt Ion:146 Resp: 90249

Ion Ratio Lower Upper

146 100

111 44.0 34.2 51.4

148 64.2 46.3 69.5



#68

1,2-Dibromo-3-chloropropane

Concen: 23.838 ug/L

RT: 14.476 min Scan# 2065

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

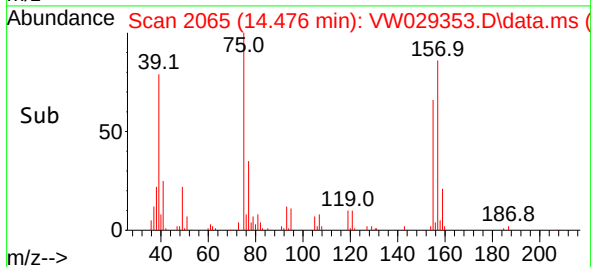
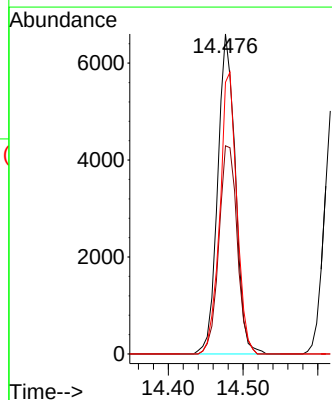
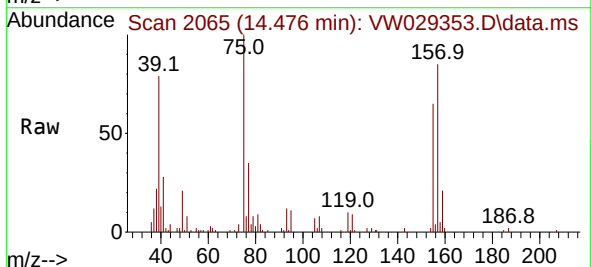
Tgt Ion: 75 Resp: 10839

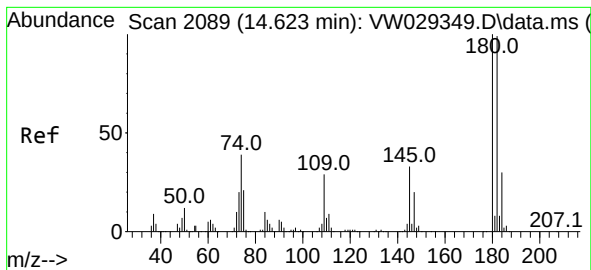
Ion Ratio Lower Upper

75 100

155 65.0 51.0 76.6

157 84.9 58.8 88.2





#69

1,3,5-Trichlorobenzene

Concen: 11.606 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

Tgt Ion:180 Resp: 40349

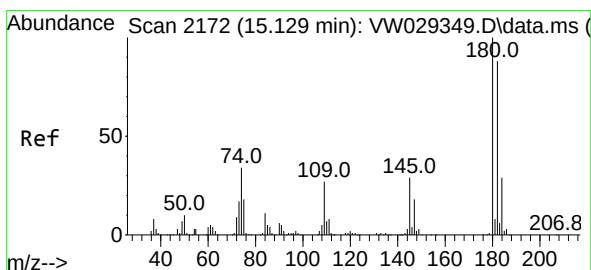
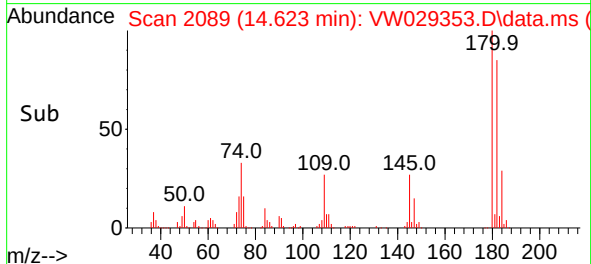
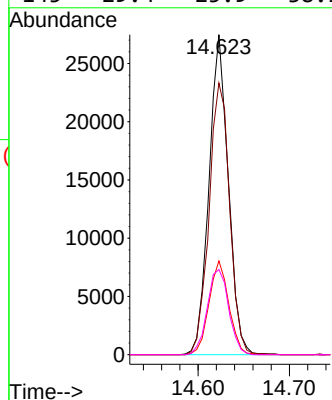
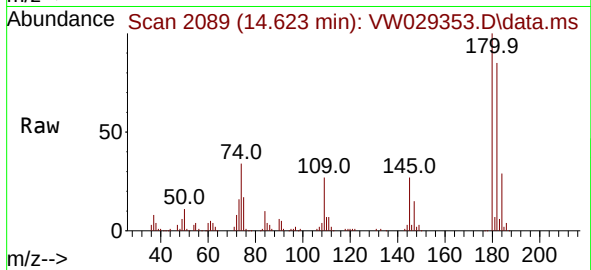
Ion Ratio Lower Upper

180 100

182 90.4 72.9 109.3

184 30.0 23.8 35.6

145 29.4 25.9 38.9



#70

1,2,4-trichlorobenzene

Concen: 8.520 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. -0.006 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

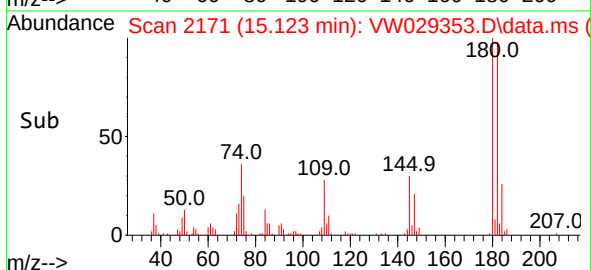
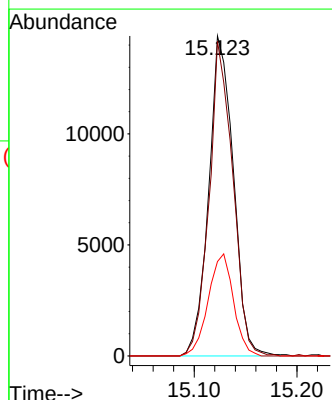
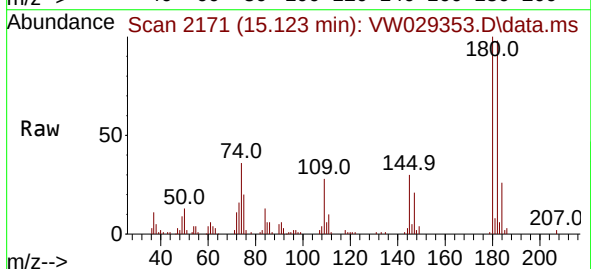
Tgt Ion:180 Resp: 24010

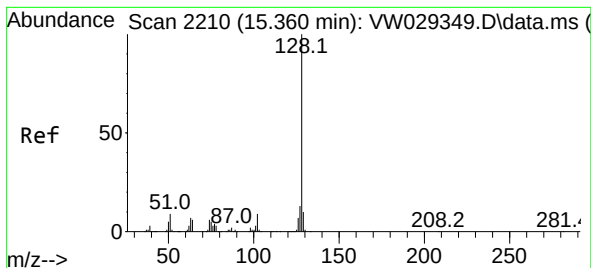
Ion Ratio Lower Upper

180 100

182 94.2 77.7 116.5

145 32.7 25.7 38.5





#71

Naphthalene

Concen: 9.921 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Instrument :

MSVOA\_W

ClientSampleId :

A4CX6MS

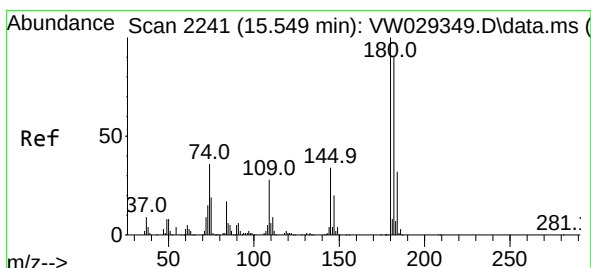
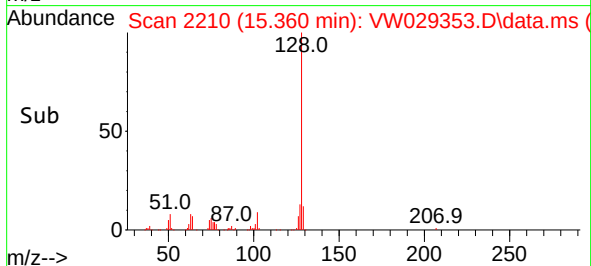
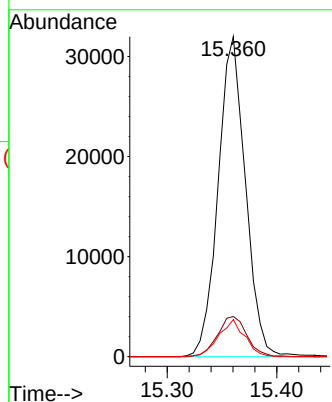
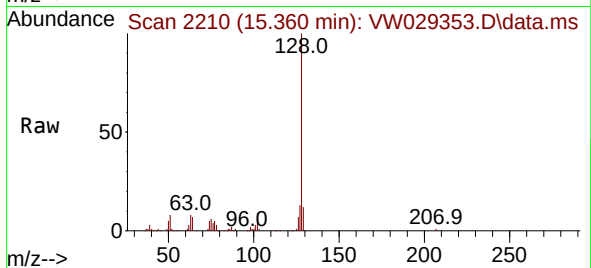
Tgt Ion:128 Resp: 55183

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 11.2 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 7.323 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW029353.D

Acq: 26 Jun 2024 11:45

Tgt Ion:180 Resp: 18804

Ion Ratio Lower Upper

180 100

182 94.2 73.0 109.6

145 34.5 28.1 42.1

