

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031023\  
 Data File : VY012913.D  
 Acq On : 10 Mar 2023 12:09  
 Operator : KP/MD  
 Sample : 01829-12MSD  
 Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 11 05:47:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 72534    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 112437   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 76978    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 24843    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 41671    | 57.863   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 115.720% |
| 35) Dibromofluoromethane     | 7.716  | 113   | 38326    | 56.482   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 112.960% |
| 50) Toluene-d8               | 10.179 | 98    | 100901   | 40.675   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =     | 81.340%  |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 26366    | 31.490   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =     | 62.980%  |
| Target Compounds             |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 41724    | 58.361   | ug/l  | 95       |
| 3) Chloromethane             | 2.113  | 50    | 49247    | 57.619   | ug/l  | 98       |
| 4) Vinyl Chloride            | 2.253  | 62    | 48383    | 61.733   | ug/l  | 98       |
| 5) Bromomethane              | 2.650  | 94    | 29383    | 61.699   | ug/l  | 89       |
| 6) Chloroethane              | 2.790  | 64    | 29588    | 63.036   | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 74342    | 57.111   | ug/l  | 99       |
| 8) Diethyl Ether             | 3.528  | 74    | 30781    | 67.478   | ug/l  | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 39207    | 50.062   | ug/l  | 98       |
| 10) Methyl Iodide            | 4.088  | 142   | 62020    | 60.778   | ug/l  | 99       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 30830    | 382.969  | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 3.875  | 96    | 43013    | 57.586   | ug/l  | 95       |
| 13) Acrolein                 | 3.729  | 56    | 15417    | 122.189  | ug/l  | 100      |
| 14) Allyl chloride           | 4.479  | 41    | 74520    | 54.010   | ug/l  | 95       |
| 15) Acrylonitrile            | 5.155  | 53    | 89268    | 371.401  | ug/l  | 100      |
| 16) Acetone                  | 3.942  | 43    | 92072    | 325.721  | ug/l  | 99       |
| 17) Carbon Disulfide         | 4.192  | 76    | 127819   | 50.274   | ug/l  | 98       |
| 18) Methyl Acetate           | 4.479  | 43    | 141729   | 168.367  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 138761   | 71.923   | ug/l  | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 54792    | 65.149   | ug/l  | 98       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 47611    | 58.656   | ug/l  | 93       |
| 22) Diisopropyl ether        | 6.119  | 45    | 156845   | 62.588   | ug/l  | 96       |
| 23) Vinyl Acetate            | 6.064  | 43    | 85299    | 54.781   | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 85311    | 59.742   | ug/l  | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 105533   | 301.426  | ug/l  | 98       |
| 26) 2,2-Dichloropropane      | 6.984  | 77    | 70281    | 55.414   | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 52899    | 60.786   | ug/l  | 96       |
| 28) Bromochloromethane       | 7.332  | 49    | 32775    | 62.805   | ug/l  | 96       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 80666    | 382.014  | ug/l  | 98       |
| 30) Chloroform               | 7.509  | 83    | 85902    | 60.901   | ug/l  | 100      |
| 31) Cyclohexane              | 7.783  | 56    | 50785    | 36.821   | ug/l  | 92       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 68207    | 53.471   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 54174    | 47.642   | ug/l  | 99       |
| 37) Ethyl Acetate            | 7.076  | 43    | 24399    | 34.043   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 7.905  | 117   | 57656    | 49.100   | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.185  | 83    | 41024    | 30.346   | ug/l  | 98       |
| 40) Benzene                  | 8.161  | 78    | 176284   | 54.805   | ug/l  | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031023\  
 Data File : VY012913.D  
 Acq On : 10 Mar 2023 12:09  
 Operator : KP/MD  
 Sample : 01829-12MSD  
 Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Mar 11 05:47:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 73061    | 189.209  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 62993    | 65.139   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 42139    | 32.955   | ug/l # | 64       |
| 44) Trichloroethene           | 8.941  | 130  | 40192    | 47.393   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 45780    | 56.316   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 30237    | 65.290   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 62682    | 57.435   | ug/l   | 94       |
| 48) Methyl methacrylate       | 9.295  | 41   | 45626    | 77.439   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 10063    | 1680.819 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 204733   | 295.172  | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 88955    | 45.856   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 65021    | 56.801   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 71232    | 54.977   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 38741    | 60.067   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 31983    | 37.190   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 66267    | 60.323   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 150442   | 333.237  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 132426   | 262.697  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.984 | 129  | 42661    | 54.338   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 37013    | 59.575   | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.721 | 164  | 24036    | 42.886   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 84007    | 51.998   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 35512    | 59.403   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 128612   | 45.279   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 96141    | 87.984   | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 46836    | 45.926   | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 82524    | 48.491   | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 26155    | 67.102   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 94966    | 53.938   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 11050    | 19.947   | ug/l # | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 41303    | 104.358  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 53235    | 179.445  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 30607    | 71.559   | ug/l   | 92       |
| 78) n-propylbenzene           | 12.672 | 91   | 104646   | 48.209   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 66453    | 55.083   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 67699    | 46.593   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 14986    | 104.668  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 70657    | 56.578   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 53348    | 42.539   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 68180    | 47.987   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 68406    | 35.754   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 55165    | 35.279   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 41211    | 49.957   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 42869    | 50.918   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.696 | 91   | 42240    | 28.218   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 11266    | 34.593   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 38312    | 51.377   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 6032     | 94.303   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 12201    | 26.574   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 4231     | 15.109   | ug/l   | 91       |
| 95) Naphthalene               | 15.239 | 128  | 40395    | 43.904   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 10535    | 25.800   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031023\  
Data File : VY012913.D  
Acq On : 10 Mar 2023 12:09  
Operator : KP/MD  
Sample : 01829-12MSD  
Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Mar 11 05:47:17 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

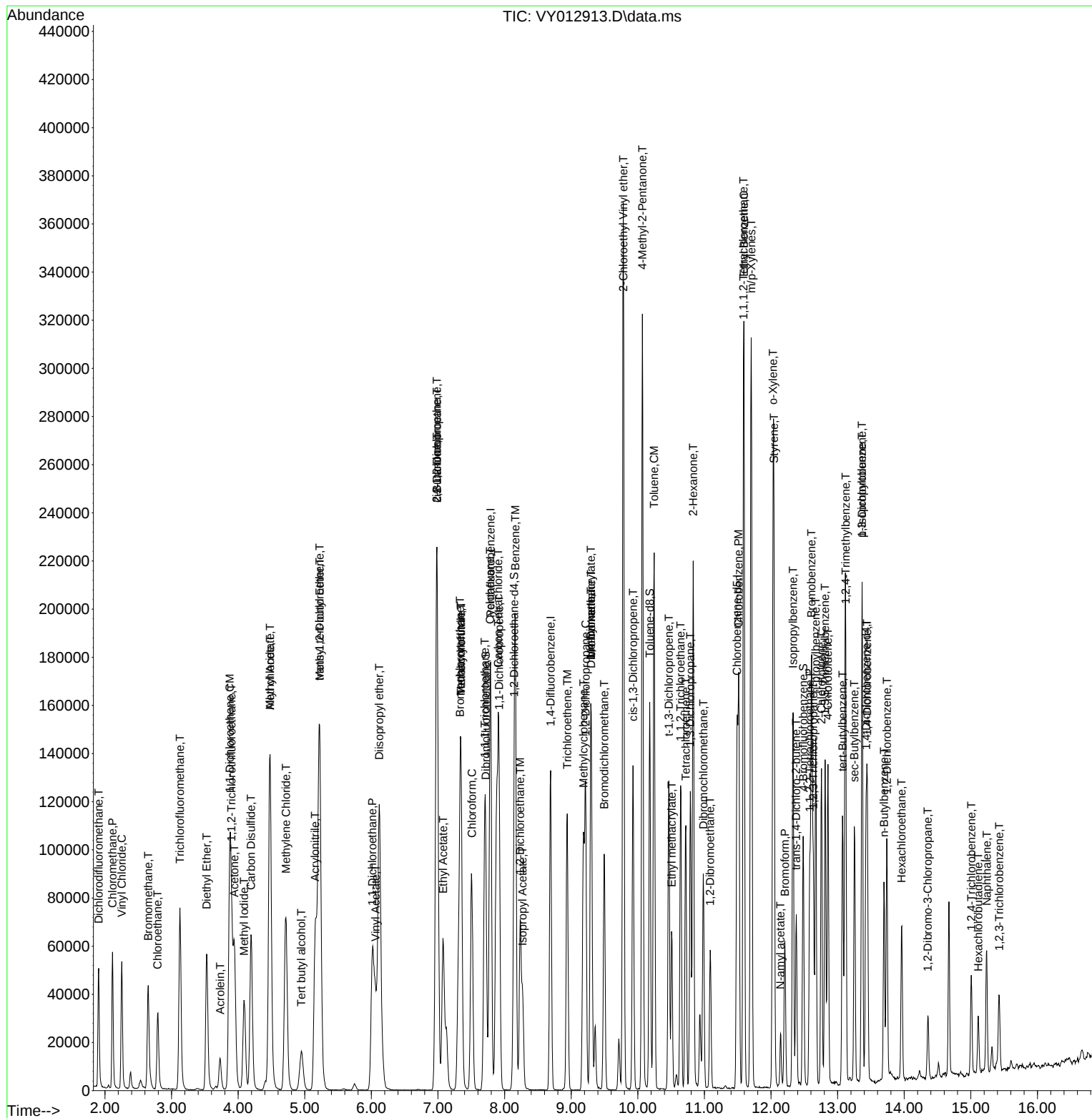
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

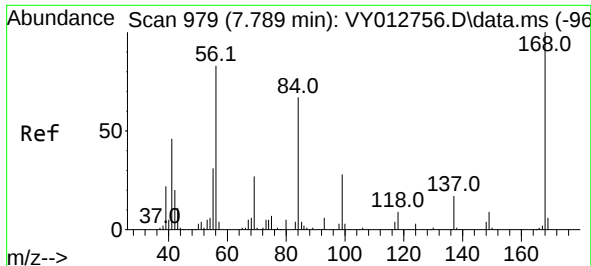
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY031023\  
 Data File : VY012913.D  
 Acq On : 10 Mar 2023 12:09  
 Operator : KP/MD  
 Sample : 01829-12MSD  
 Misc : 4.38g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

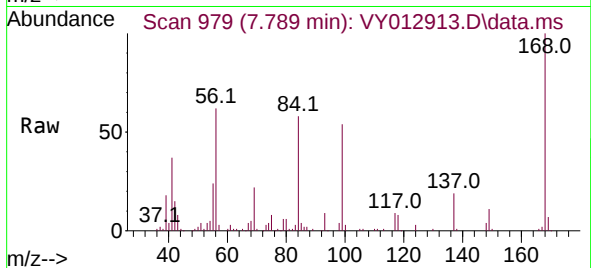
Quant Time: Mar 11 05:47:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration



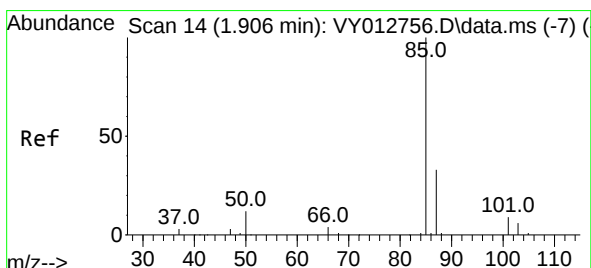
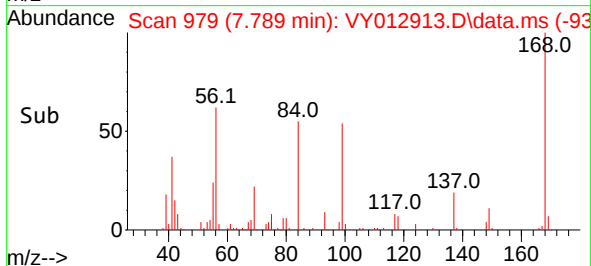
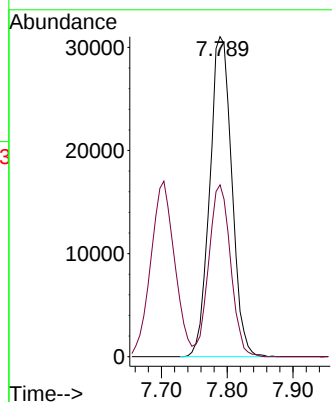


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

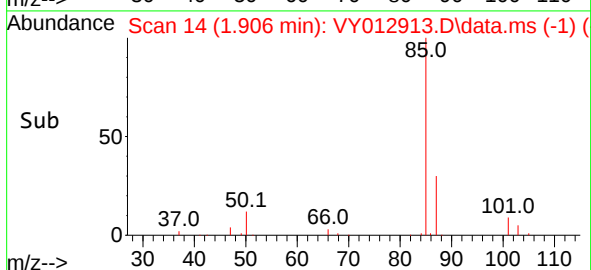
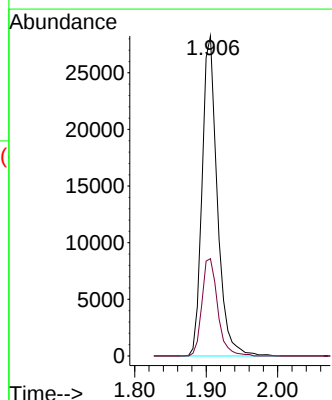
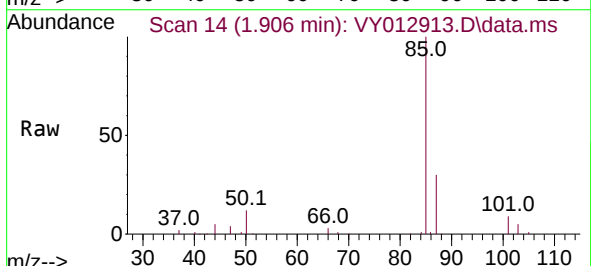


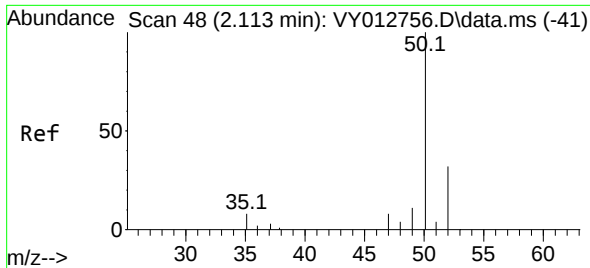
Tgt Ion:168 Resp: 72534  
Ion Ratio Lower Upper  
168 100  
99 53.7 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 58.361 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

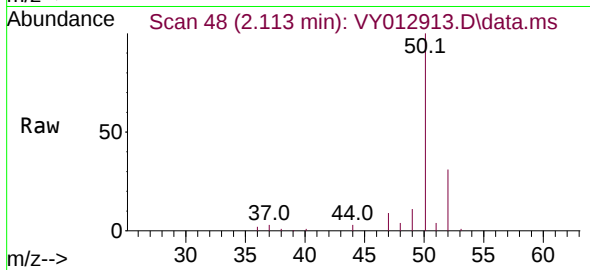
Tgt Ion: 85 Resp: 41724  
Ion Ratio Lower Upper  
85 100  
87 30.4 16.7 50.0



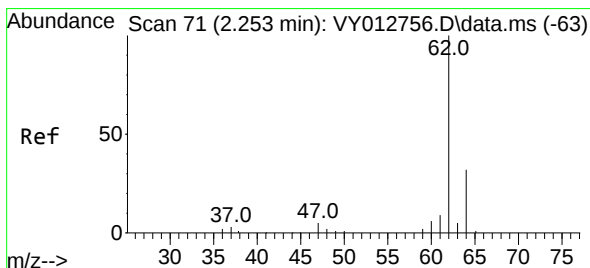
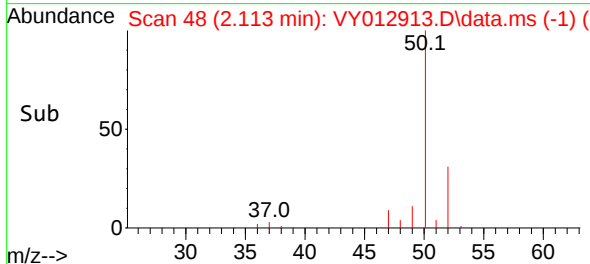
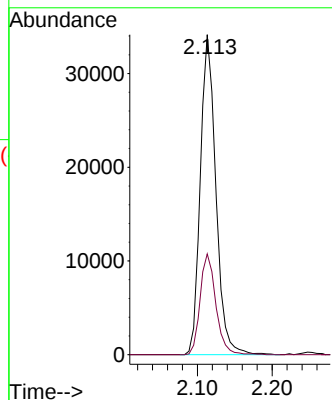


#3  
Chloromethane  
Concen: 57.619 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

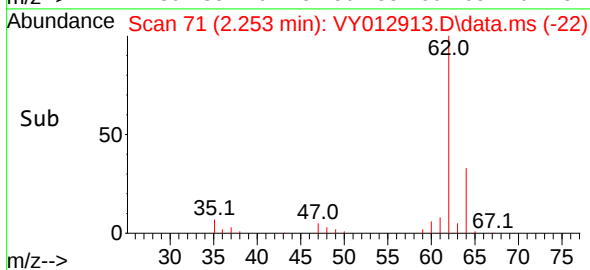
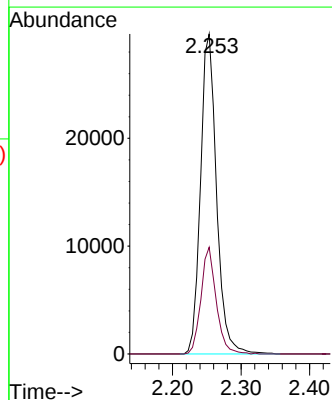
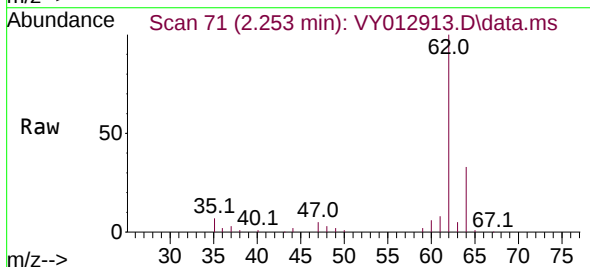


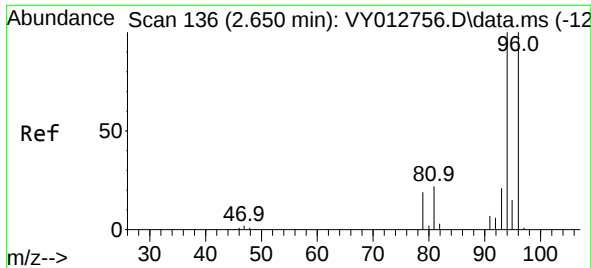
Tgt Ion: 50 Resp: 49247  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.0 39.0



#4  
Vinyl Chloride  
Concen: 61.733 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 62 Resp: 48383  
Ion Ratio Lower Upper  
62 100  
64 33.3 25.6 38.4

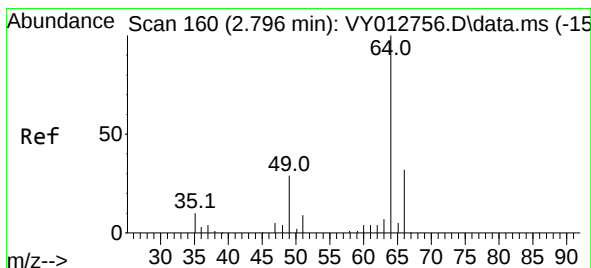
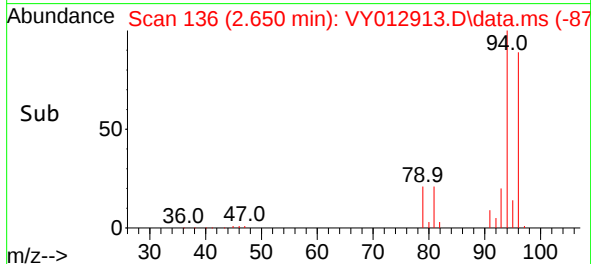
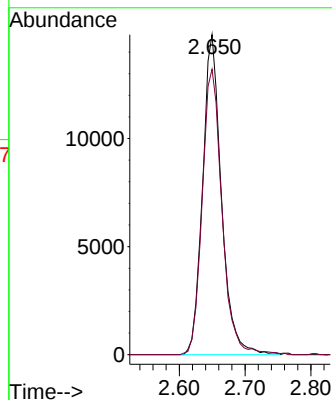
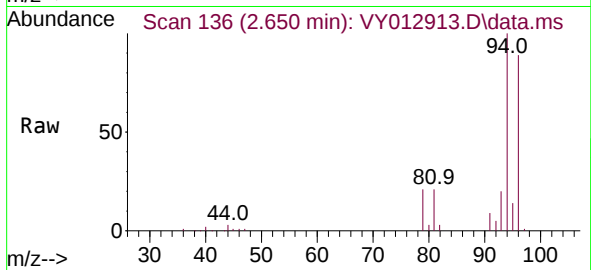




#5  
Bromomethane  
Concen: 61.699 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

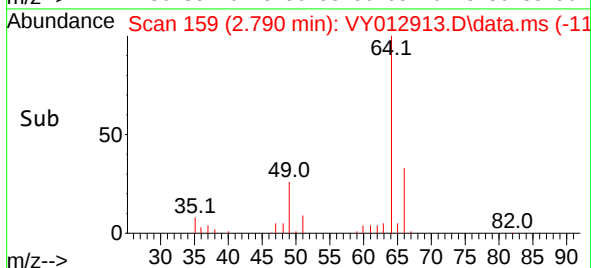
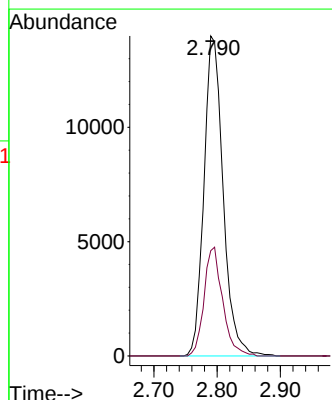
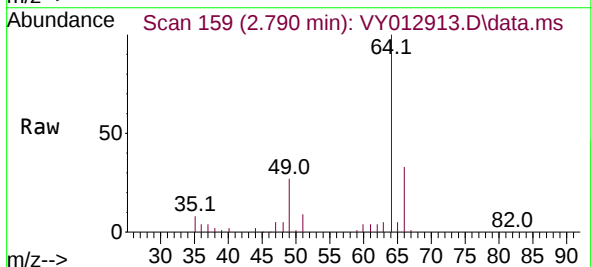
Instrument :  
MSVOA\_Y  
ClientSampleId :

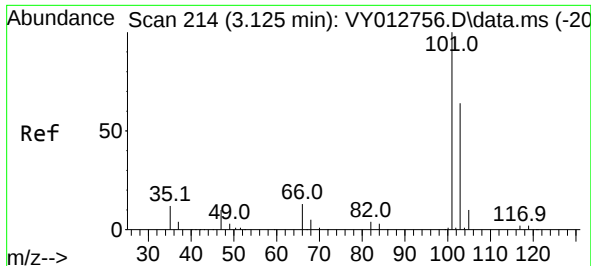
Tgt Ion: 94 Resp: 29383  
Ion Ratio Lower Upper  
94 100  
96 89.2 80.3 120.5



#6  
Chloroethane  
Concen: 63.036 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 64 Resp: 29588  
Ion Ratio Lower Upper  
64 100  
66 32.9 25.7 38.5

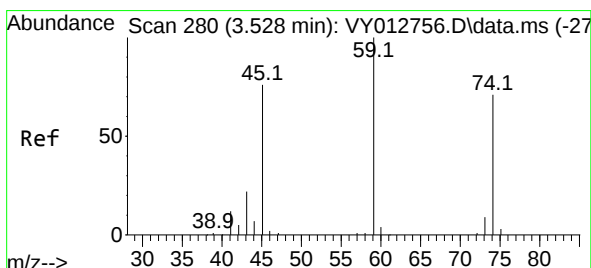
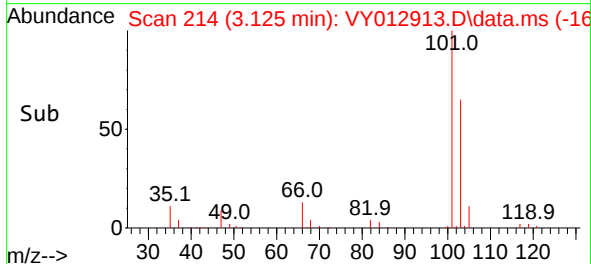
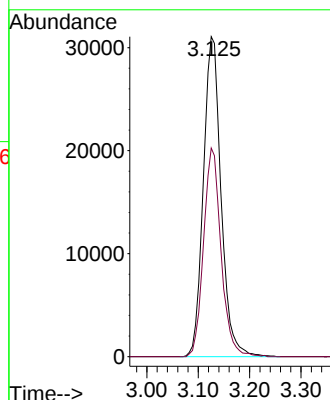
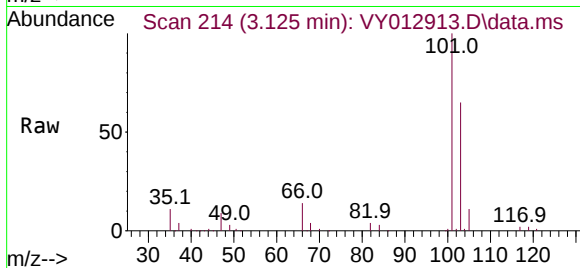




#7  
 Trichlorofluoromethane  
 Concen: 57.111 ug/l  
 RT: 3.125 min Scan# 214  
 Delta R.T. 0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

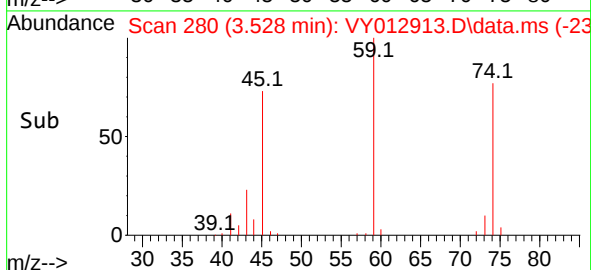
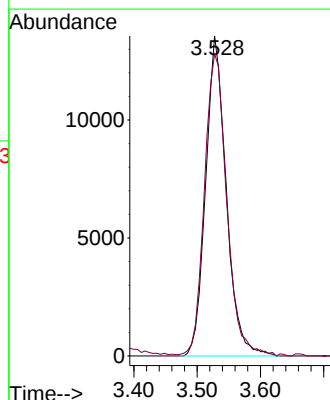
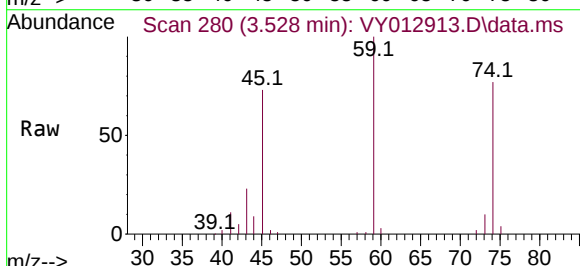
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion:101 Resp: 74342  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 51.5 77.3



#8  
 Diethyl Ether  
 Concen: 67.478 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. -0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Tgt Ion: 74 Resp: 30781  
 Ion Ratio Lower Upper  
 74 100  
 45 102.0 52.1 156.4

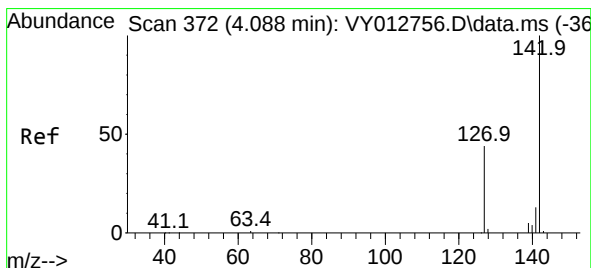
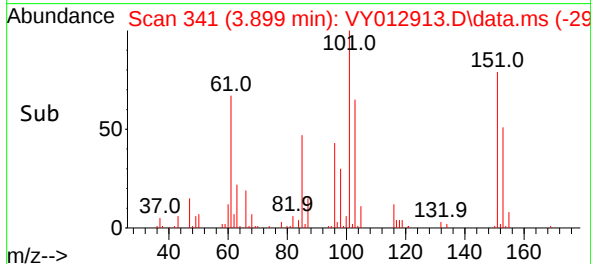
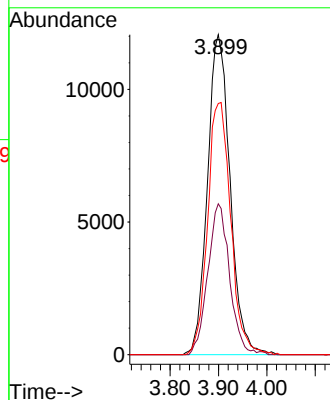
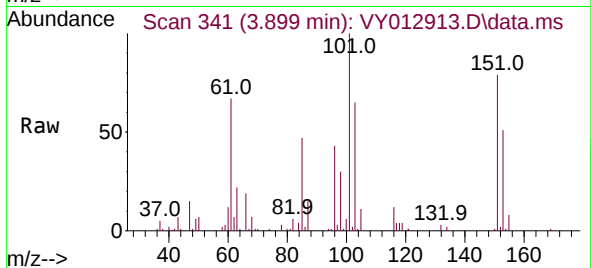




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.062 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

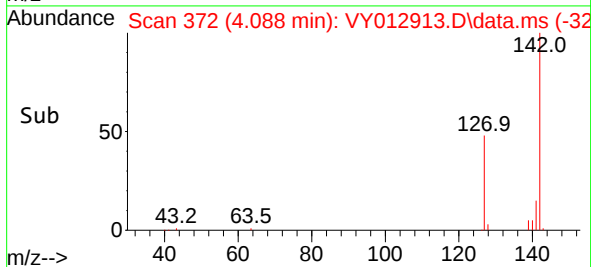
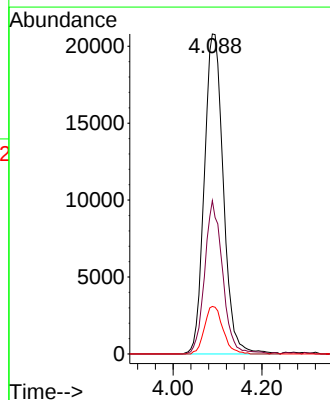
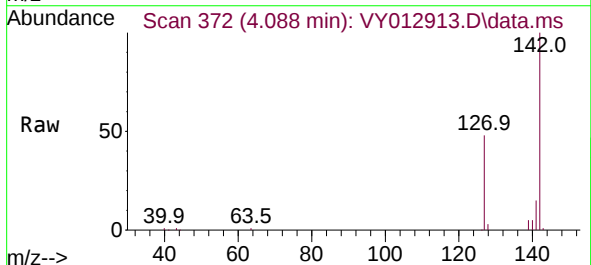
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:101 Resp: 39207  
Ion Ratio Lower Upper  
101 100  
85 45.5 35.3 52.9  
151 80.5 63.1 94.7



#10  
Methyl Iodide  
Concen: 60.778 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion:142 Resp: 62020  
Ion Ratio Lower Upper  
142 100  
127 45.1 35.4 53.2  
141 14.5 11.3 16.9

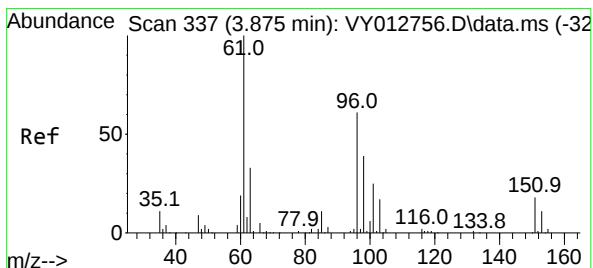
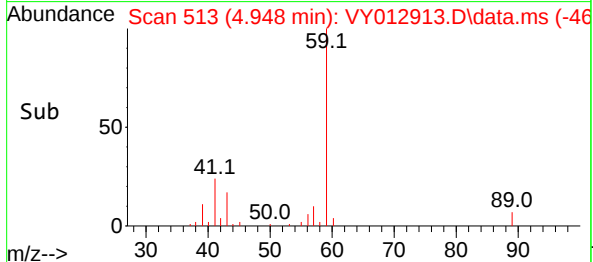
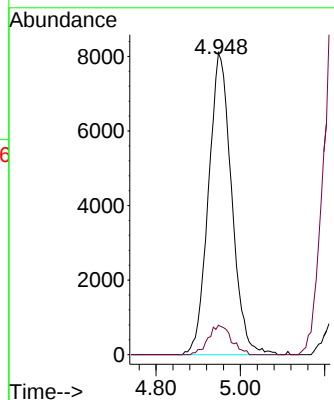
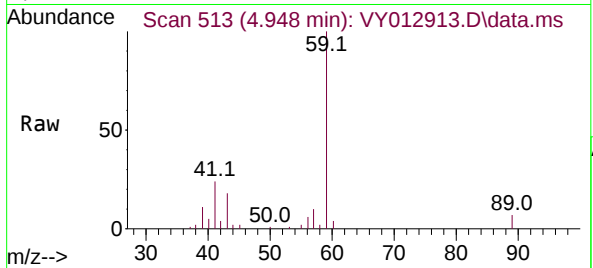




#11  
Tert butyl alcohol  
Concen: 382.969 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

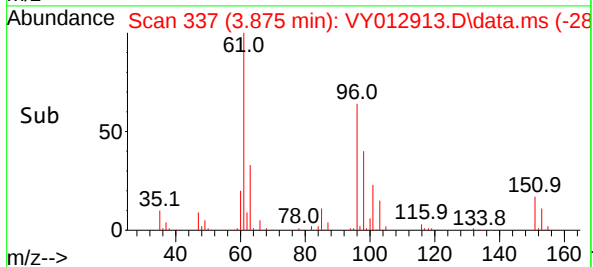
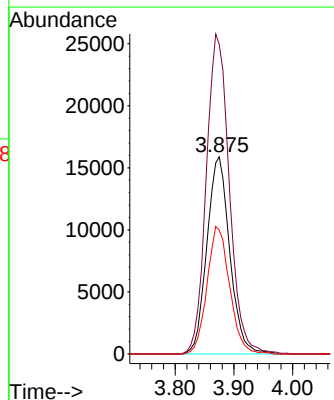
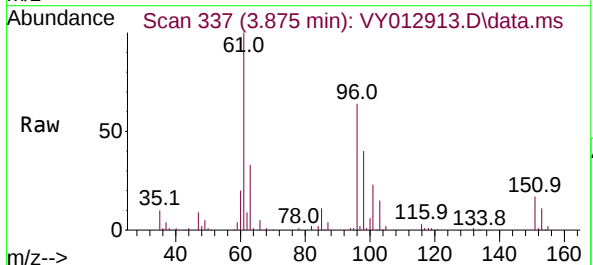
Instrument :  
MSVOA\_Y  
ClientSampleId :

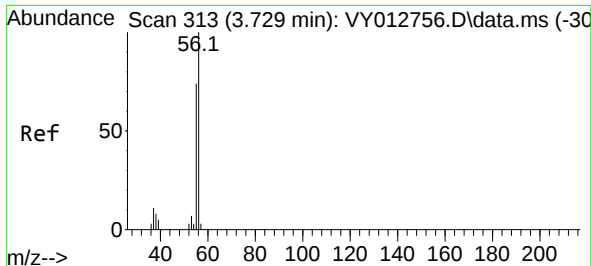
Tgt Ion: 59 Resp: 30830  
Ion Ratio Lower Upper  
59 100  
57 9.7 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 57.586 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 96 Resp: 43013  
Ion Ratio Lower Upper  
96 100  
61 157.0 131.7 197.5  
98 62.8 52.0 78.0





#13

Acrolein

Concen: 122.189 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

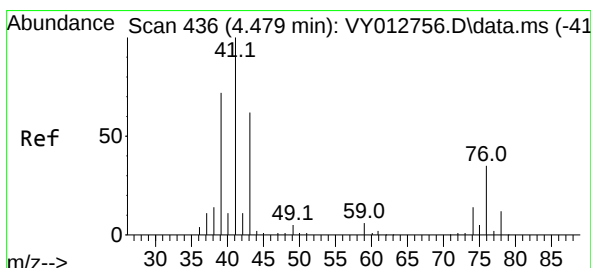
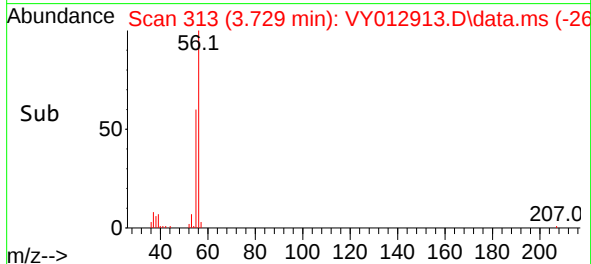
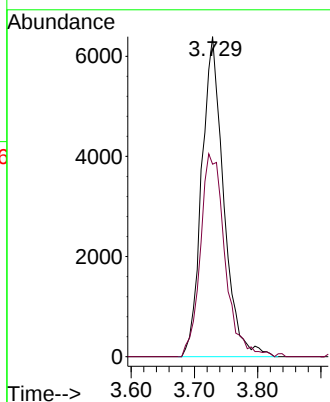
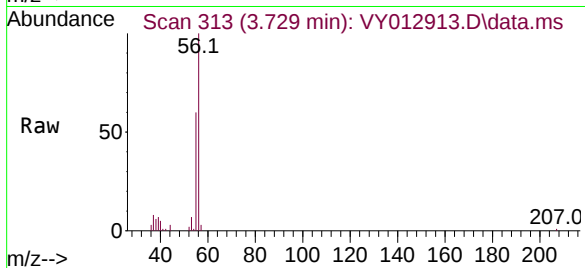
ClientSampleId :

Tgt Ion: 56 Resp: 15417

Ion Ratio Lower Upper

56 100

55 70.8 56.8 85.2



#14

Allyl chloride

Concen: 54.010 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

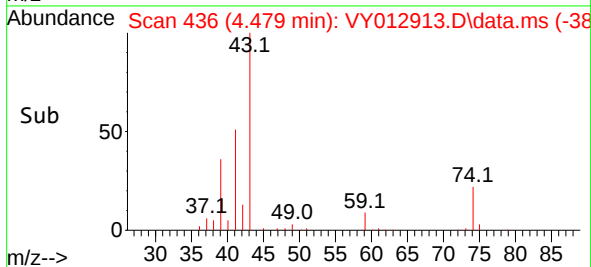
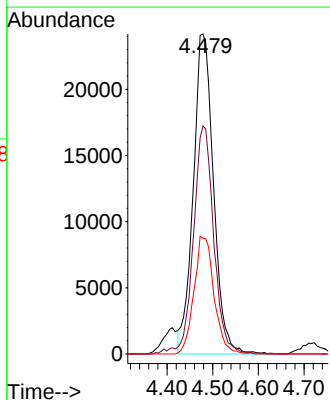
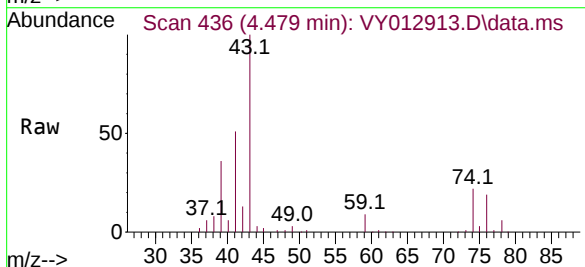
Tgt Ion: 41 Resp: 74520

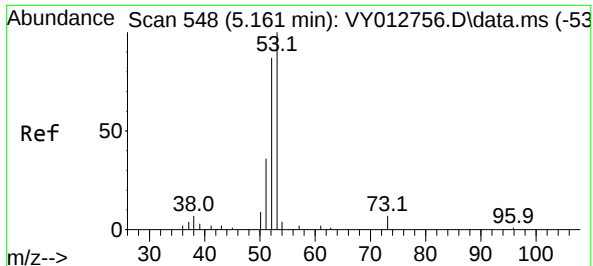
Ion Ratio Lower Upper

41 100

39 71.4 53.6 80.4

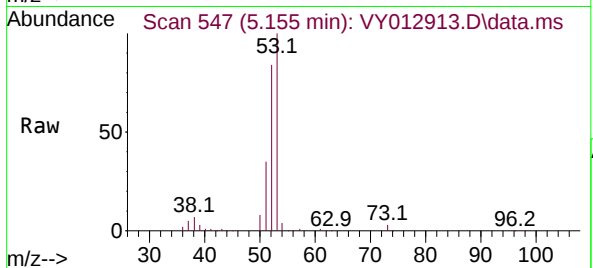
76 36.3 27.2 40.8



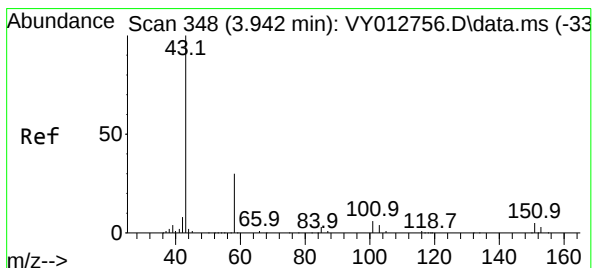
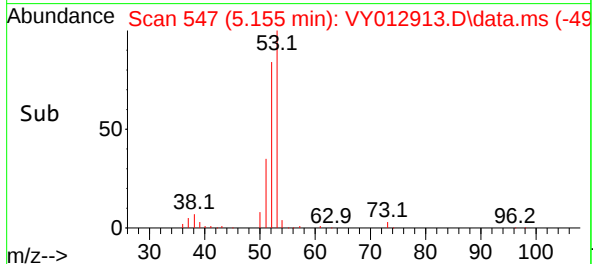
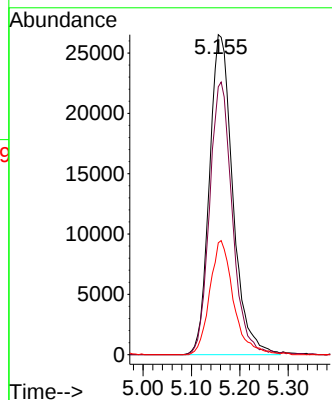


#15  
Acrylonitrile  
Concen: 371.401 ug/l  
RT: 5.155 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

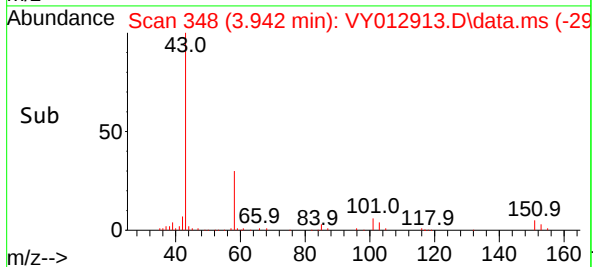
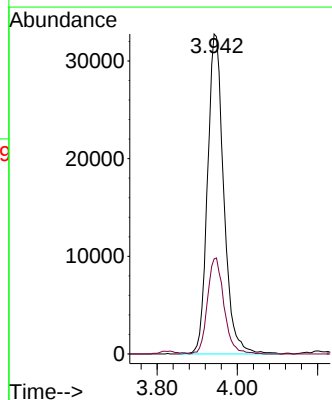
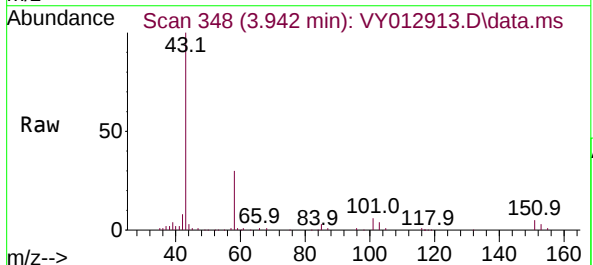


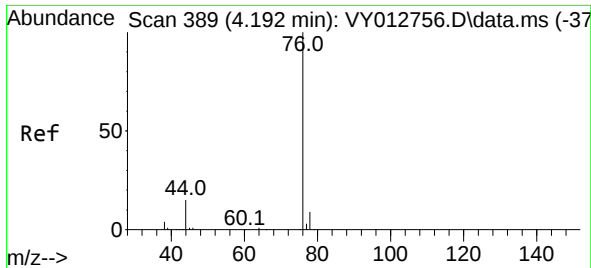
Tgt Ion: 53 Resp: 89268  
Ion Ratio Lower Upper  
53 100  
52 82.6 66.3 99.5  
51 36.1 28.8 43.2



#16  
Acetone  
Concen: 325.721 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 43 Resp: 92072  
Ion Ratio Lower Upper  
43 100  
58 29.7 24.2 36.2

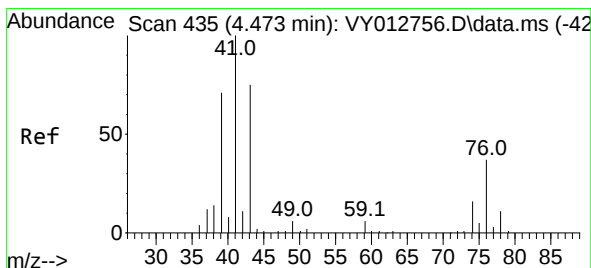
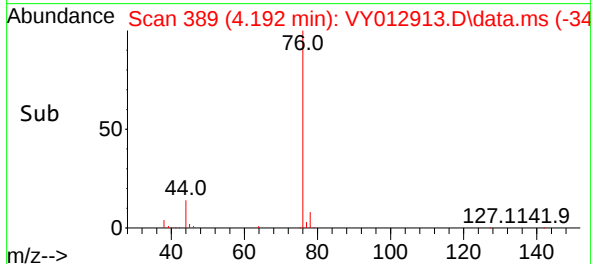
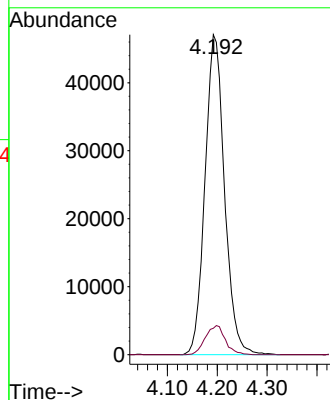
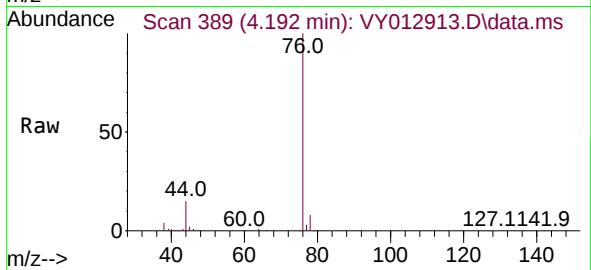




#17  
Carbon Disulfide  
Concen: 50.274 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

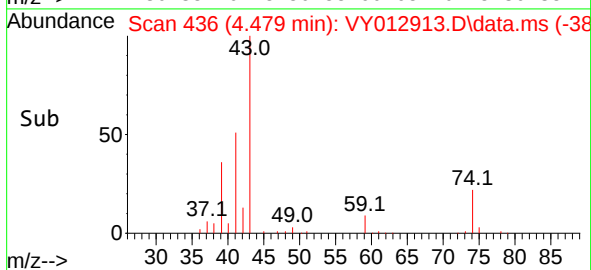
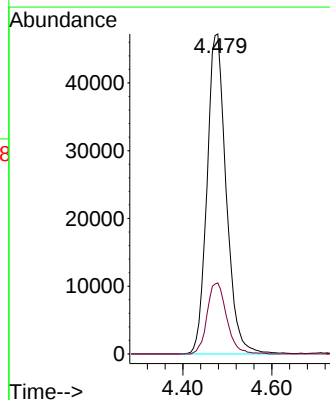
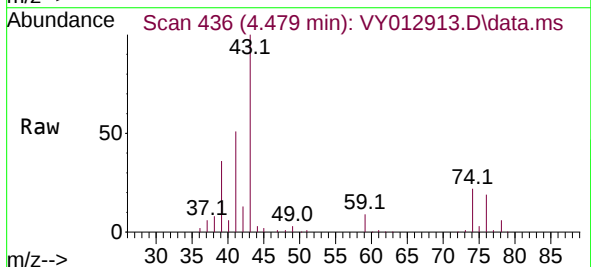
Instrument :  
MSVOA\_Y  
ClientSampleId :

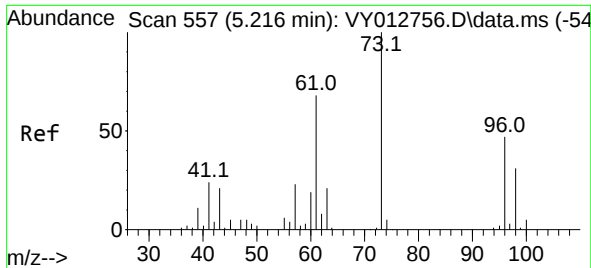
Tgt Ion: 76 Resp: 127819  
Ion Ratio Lower Upper  
76 100  
78 8.2 7.1 10.7



#18  
Methyl Acetate  
Concen: 168.367 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 43 Resp: 141729  
Ion Ratio Lower Upper  
43 100  
74 22.7 17.4 26.0

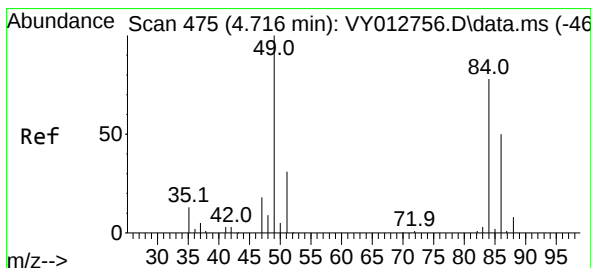
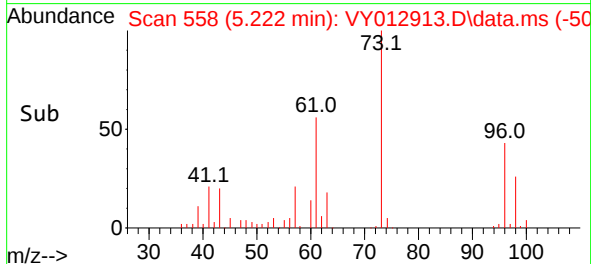
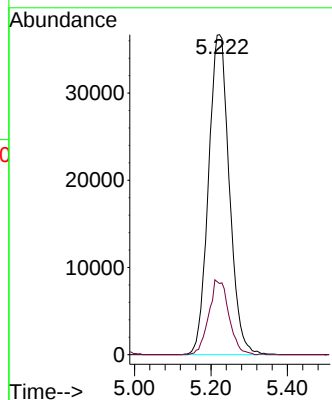
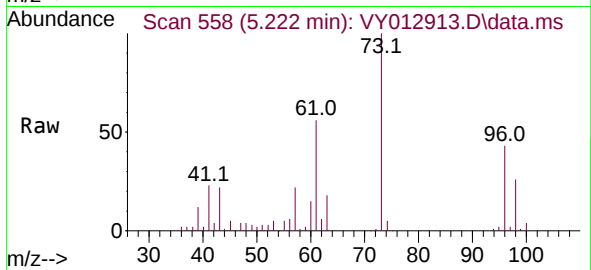




#19  
Methyl tert-butyl Ether  
Concen: 71.923 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

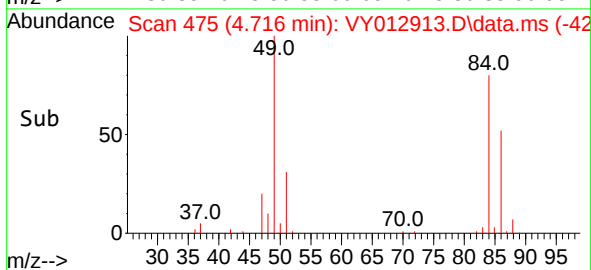
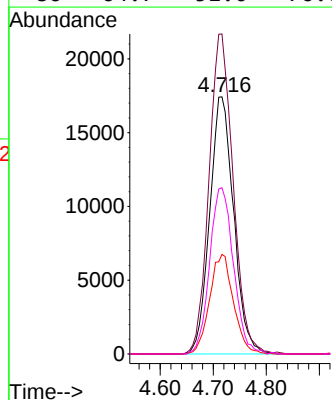
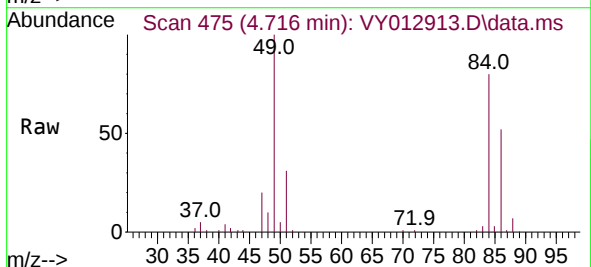
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 73 Resp: 138761  
Ion Ratio Lower Upper  
73 100  
57 22.3 18.3 27.5



#20  
Methylene Chloride  
Concen: 65.149 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

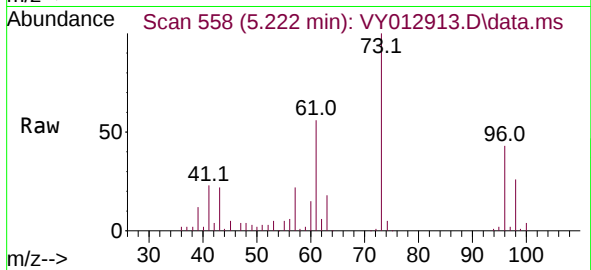
Tgt Ion: 84 Resp: 54792  
Ion Ratio Lower Upper  
84 100  
49 124.5 102.6 154.0  
51 38.7 31.9 47.9  
86 64.7 51.0 76.6



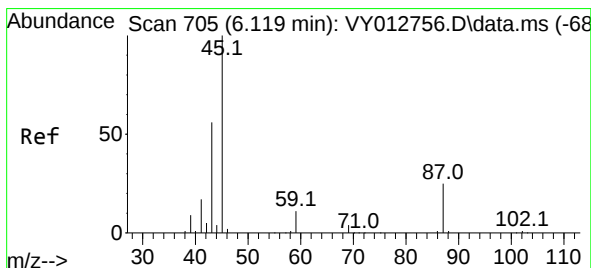
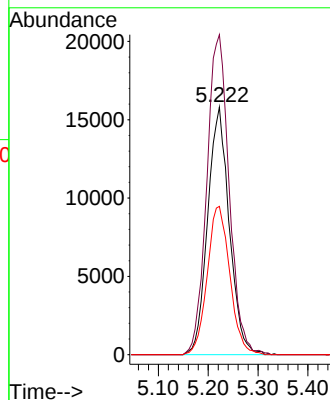
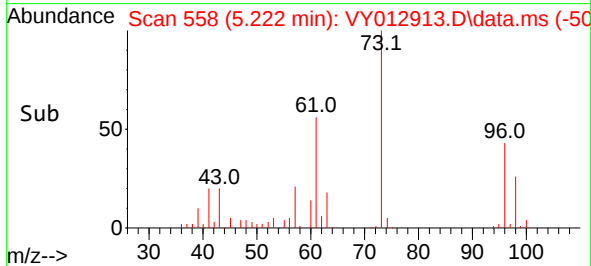


#21  
trans-1,2-Dichloroethene  
Concen: 58.656 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

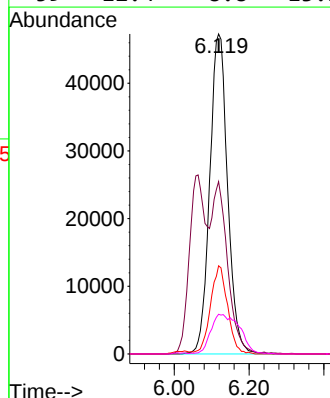
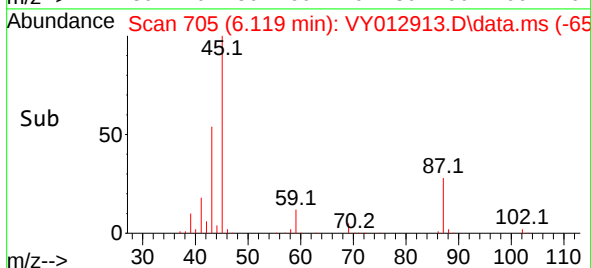
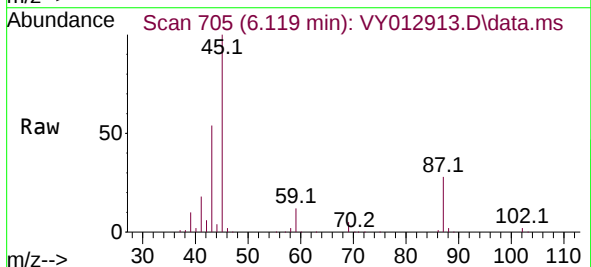


Tgt Ion: 96 Resp: 47611  
Ion Ratio Lower Upper  
96 100  
61 129.2 111.4 167.0  
98 59.9 50.8 76.2



#22  
Diisopropyl ether  
Concen: 62.588 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 45 Resp: 156845  
Ion Ratio Lower Upper  
45 100  
43 53.6 45.0 67.6  
87 27.6 20.3 30.5  
59 12.4 8.8 13.2

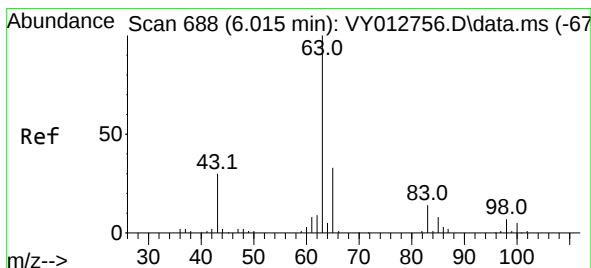
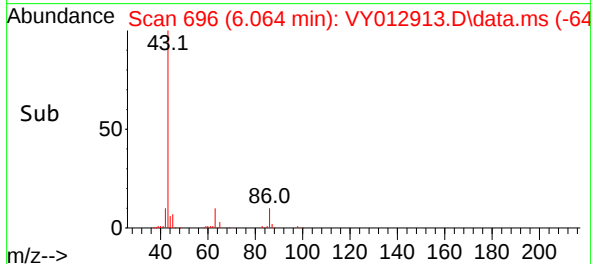
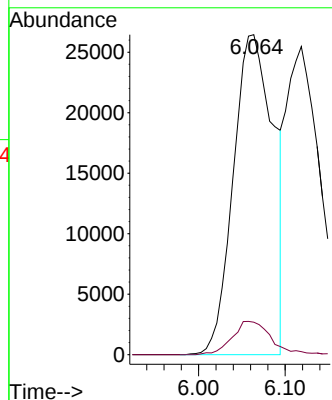
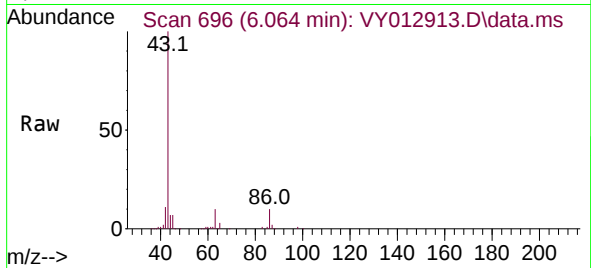




#23  
 Vinyl Acetate  
 Concen: 54.781 ug/l  
 RT: 6.064 min Scan# 695  
 Delta R.T. 0.006 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

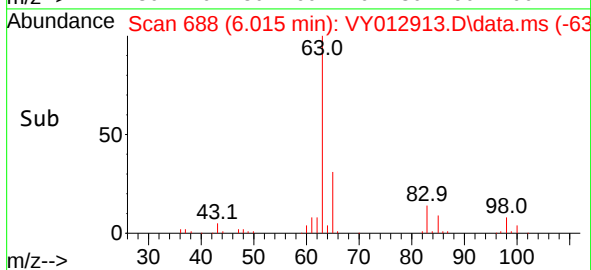
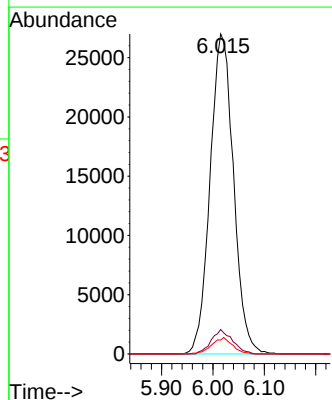
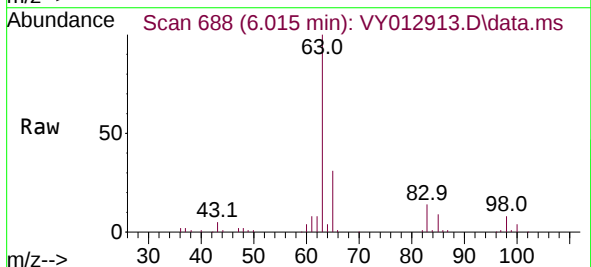
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

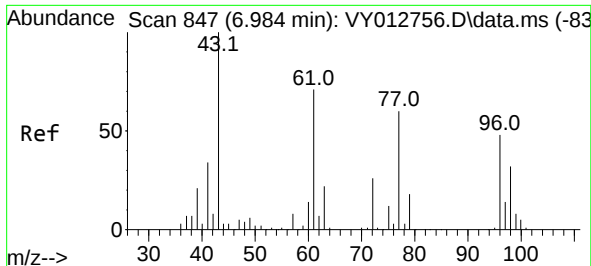
Tgt Ion: 43 Resp: 85299  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 59.742 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Tgt Ion: 63 Resp: 85311  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.7 11.1  
 100 4.4 2.3 6.8





#25

2-Butanone

Concen: 301.426 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

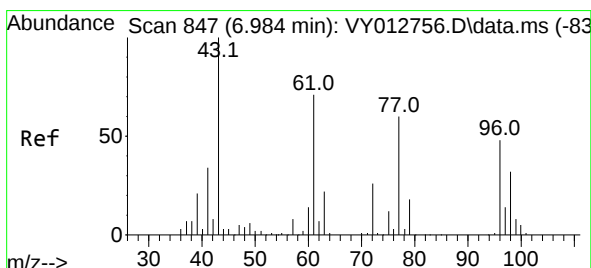
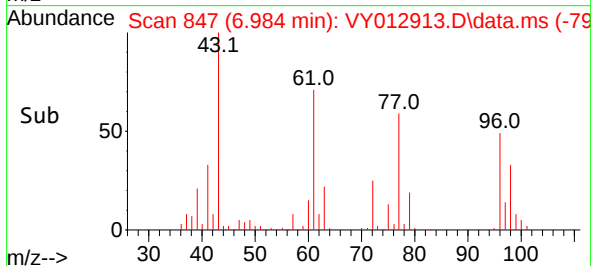
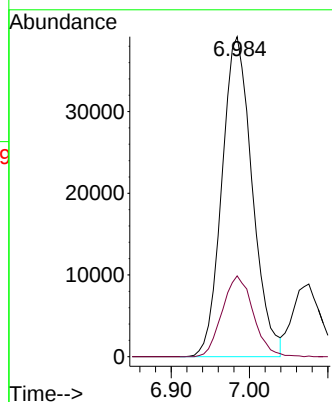
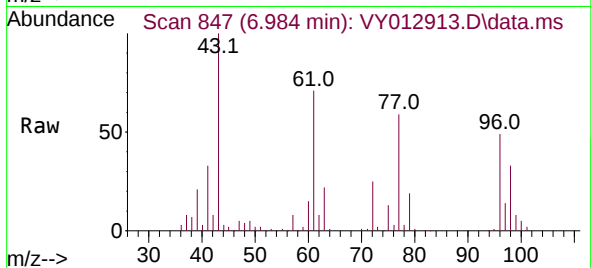
ClientSampleId :

Tgt Ion: 43 Resp: 105533

Ion Ratio Lower Upper

43 100

72 25.2 21.0 31.4



#26

2,2-Dichloropropane

Concen: 55.414 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012913.D

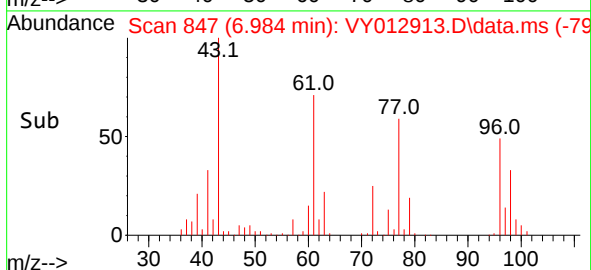
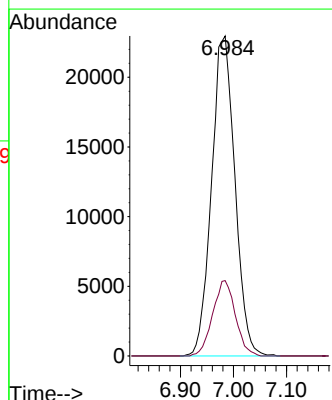
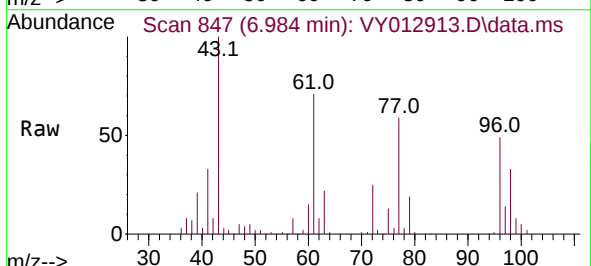
Acq: 10 Mar 2023 12:09

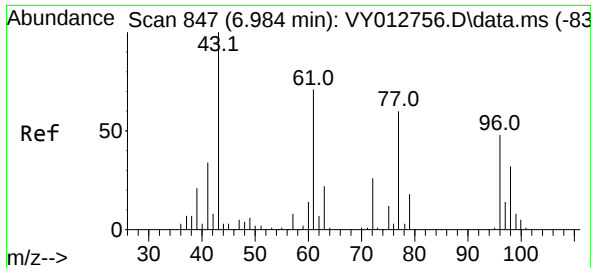
Tgt Ion: 77 Resp: 70281

Ion Ratio Lower Upper

77 100

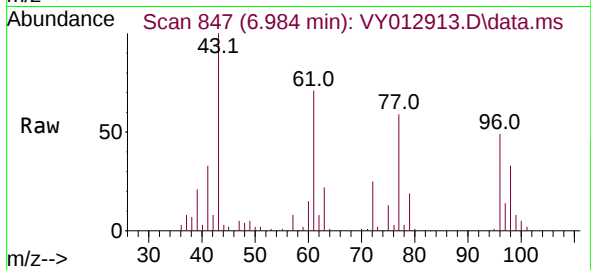
97 22.9 11.7 35.0





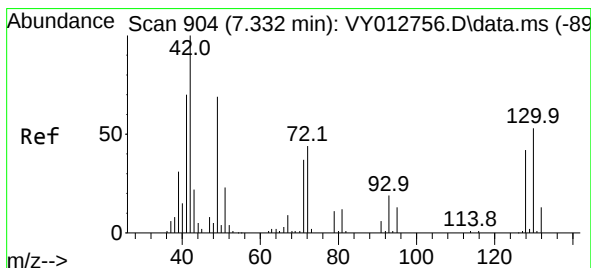
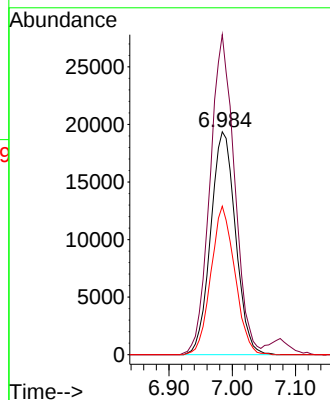
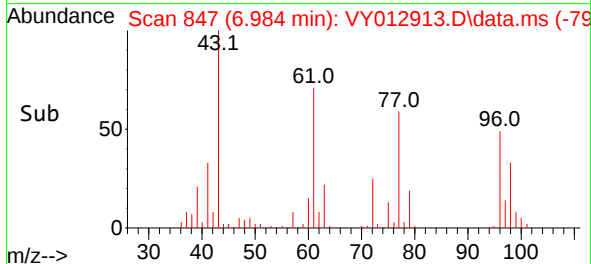
#27  
 cis-1,2-Dichloroethene  
 Concen: 60.786 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 96 Resp: 52899

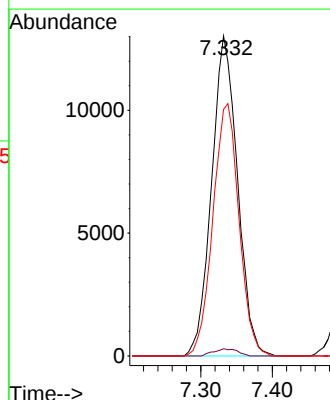
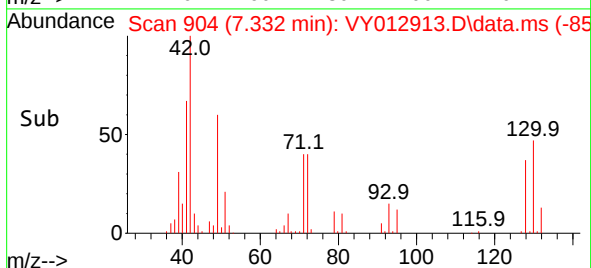
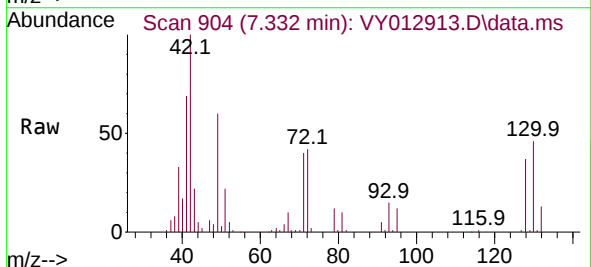
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 141.5 | 0.0   | 295.8 |
| 98  | 64.0  | 0.0   | 130.2 |



#28  
 Bromochloromethane  
 Concen: 62.805 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. -0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Tgt Ion: 49 Resp: 32775

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.1   | 0.0   | 4.2   |
| 130 | 79.3  | 60.5  | 90.7  |





#29

Tetrahydrofuran

Concen: 382.014 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

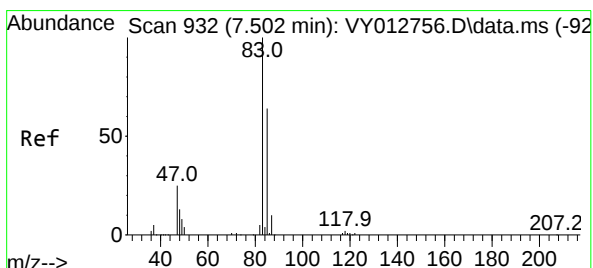
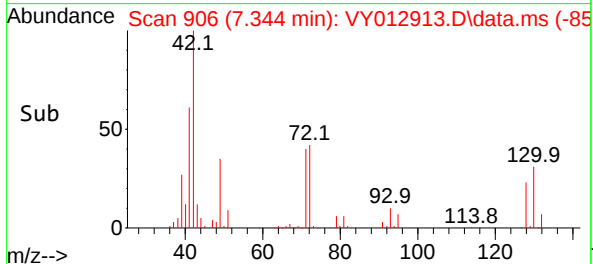
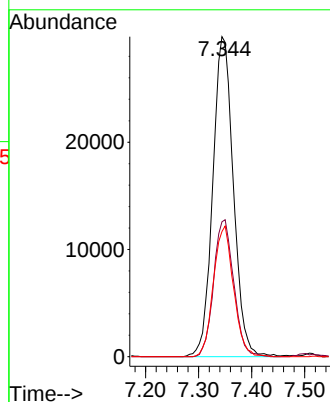
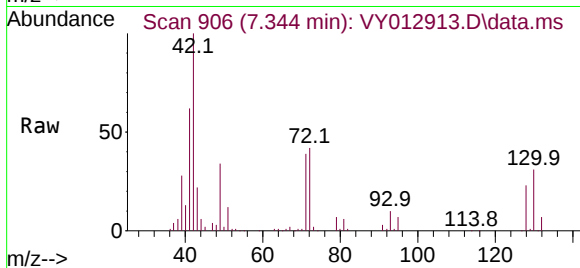
Tgt Ion: 42 Resp: 80666

Ion Ratio Lower Upper

42 100

72 41.6 32.3 48.5

71 39.7 30.3 45.5



#30

Chloroform

Concen: 60.901 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.007 min

Lab File: VY012913.D

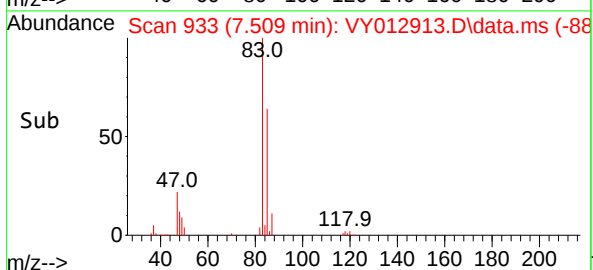
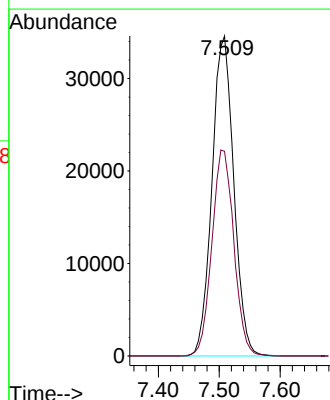
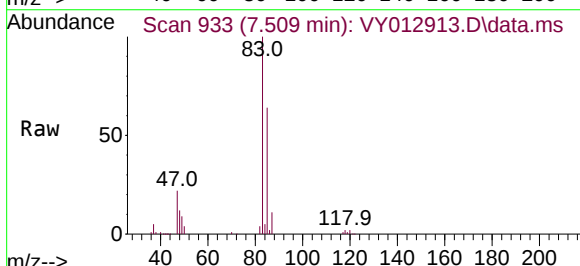
Acq: 10 Mar 2023 12:09

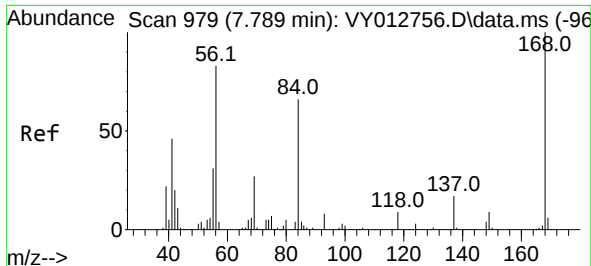
Tgt Ion: 83 Resp: 85902

Ion Ratio Lower Upper

83 100

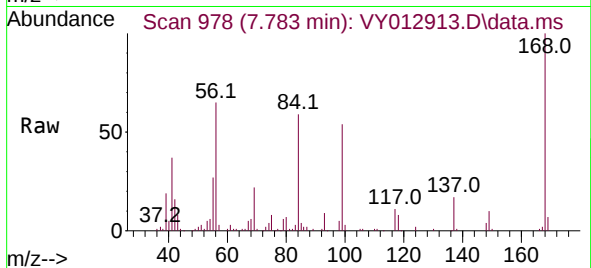
85 63.9 51.4 77.0



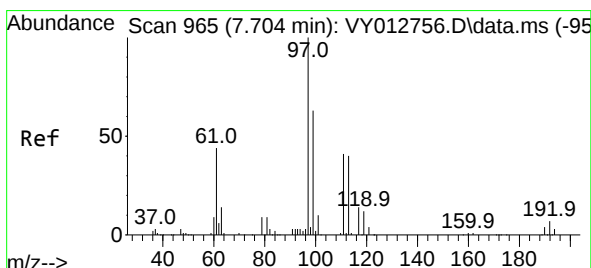
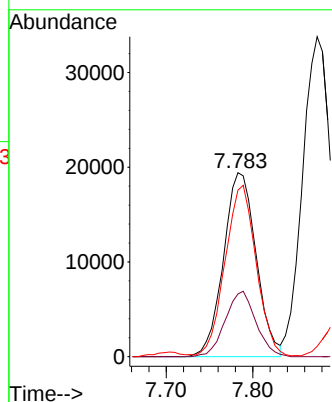
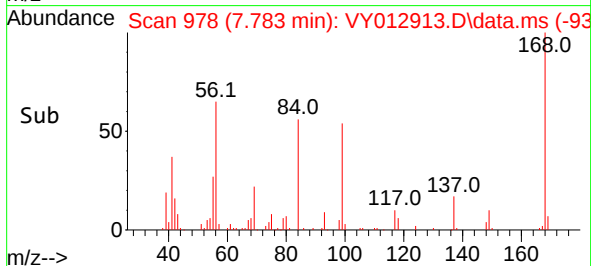


#31  
Cyclohexane  
Concen: 36.821 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

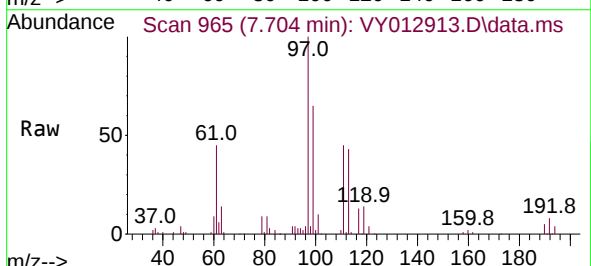
Instrument :  
MSVOA\_Y  
ClientSampleId :



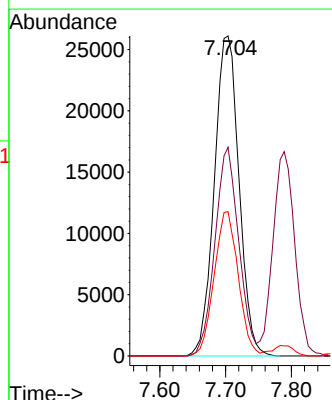
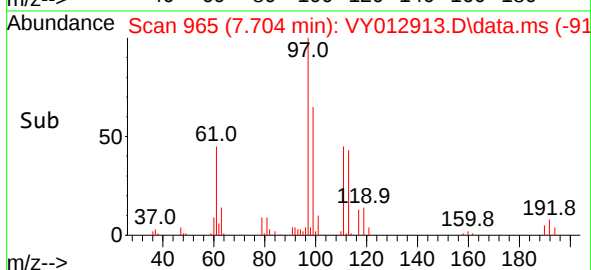
Tgt Ion: 56 Resp: 50785  
Ion Ratio Lower Upper  
56 100  
69 34.1 25.7 38.5  
84 89.2 64.3 96.5

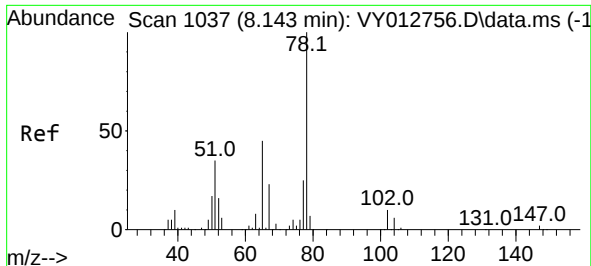


#32  
1,1,1-Trichloroethane  
Concen: 53.471 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09



Tgt Ion: 97 Resp: 68207  
Ion Ratio Lower Upper  
97 100  
99 63.0 51.0 76.6  
61 44.1 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 57.863 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

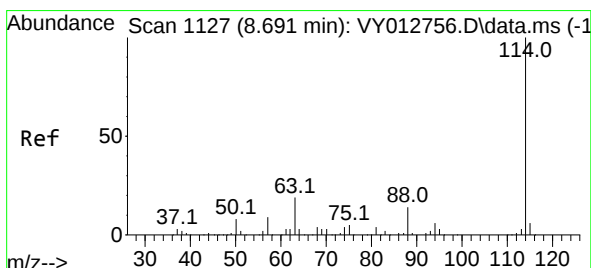
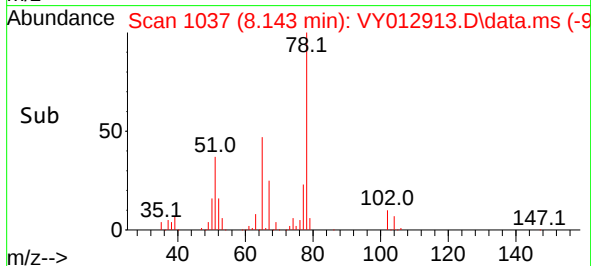
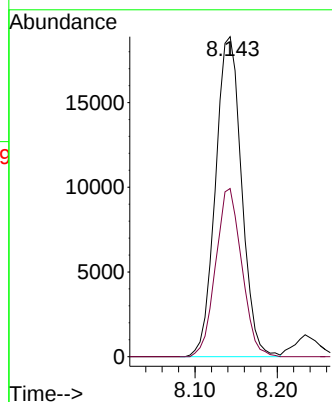
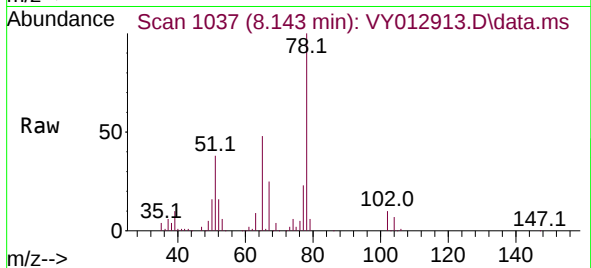
ClientSampleId :

Tgt Ion: 65 Resp: 41671

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

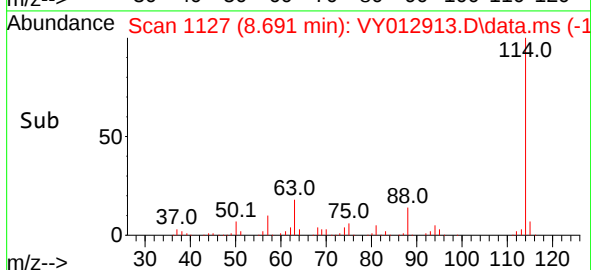
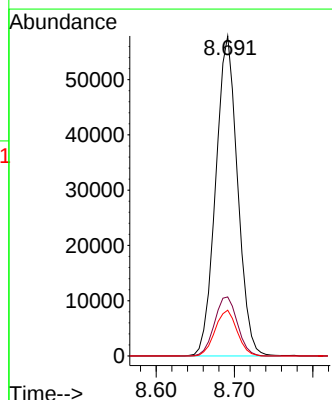
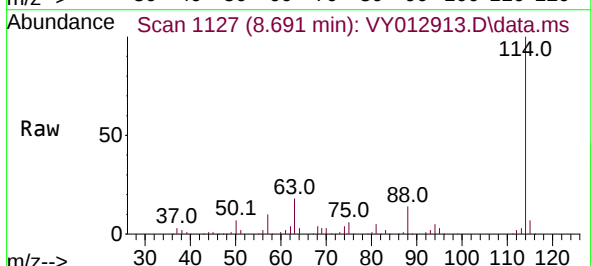
Tgt Ion: 114 Resp: 112437

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.4

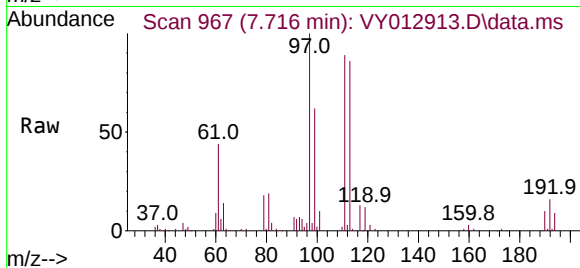
88 14.3 0.0 28.6



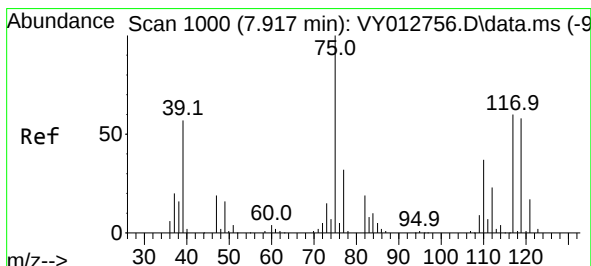
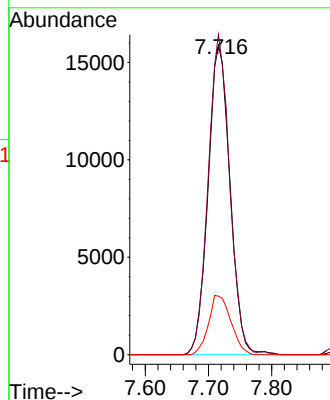
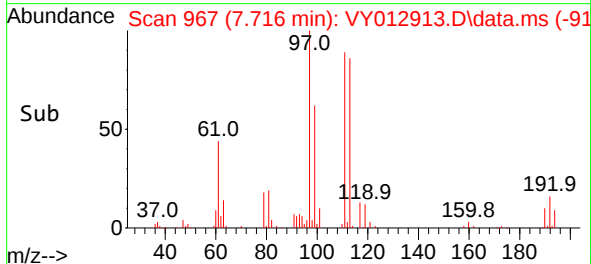


#35  
Dibromofluoromethane  
Concen: 56.482 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

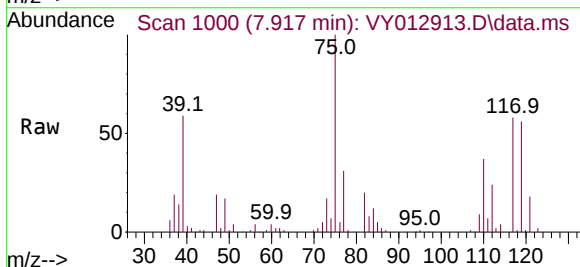
Instrument :  
MSVOA\_Y  
ClientSampleId :



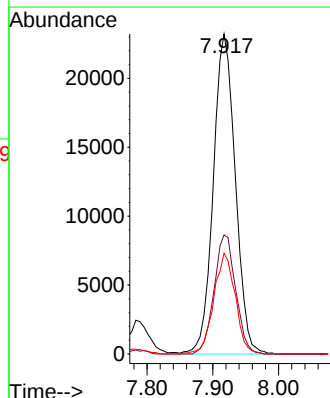
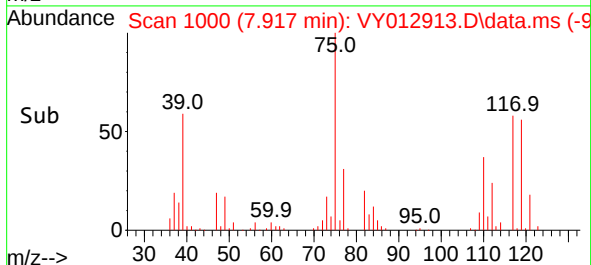
Tgt Ion:113 Resp: 38326  
Ion Ratio Lower Upper  
113 100  
111 101.1 82.2 123.2  
192 19.5 16.8 25.2

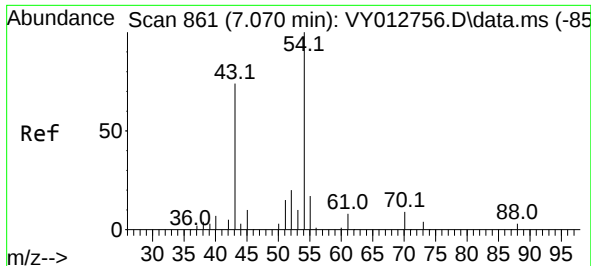


#36  
1,1-Dichloropropene  
Concen: 47.642 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09



Tgt Ion: 75 Resp: 54174  
Ion Ratio Lower Upper  
75 100  
110 36.3 17.8 53.3  
77 30.8 25.0 37.4





#37

Ethyl Acetate

Concen: 34.043 ug/l

RT: 7.076 min Scan# 861

Delta R.T. 0.006 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

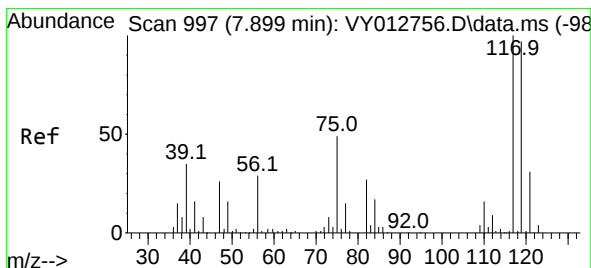
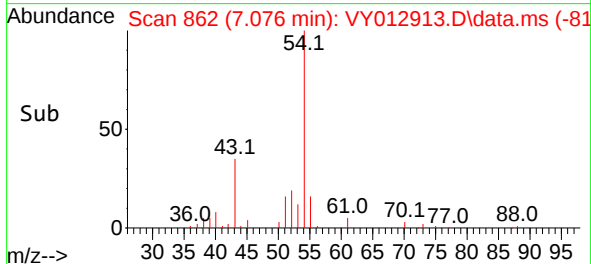
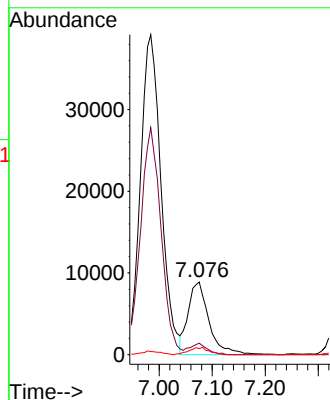
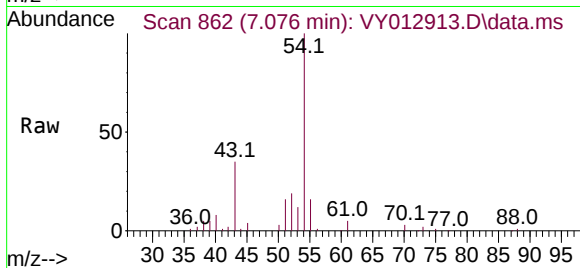
Tgt Ion: 43 Resp: 24399

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 9.3 7.8 11.8



#38

Carbon Tetrachloride

Concen: 49.100 ug/l

RT: 7.905 min Scan# 998

Delta R.T. 0.006 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

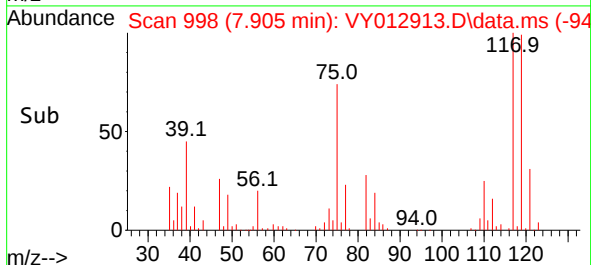
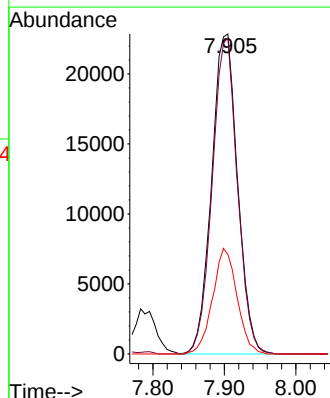
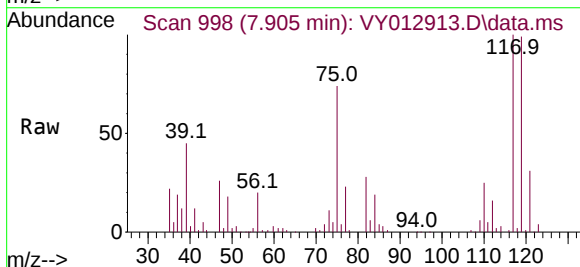
Tgt Ion: 117 Resp: 57656

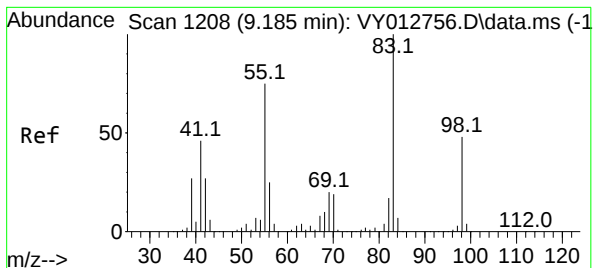
Ion Ratio Lower Upper

117 100

119 98.7 77.2 115.8

121 31.1 24.7 37.1





#39

Methylcyclohexane

Concen: 30.346 ug/l

RT: 9.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

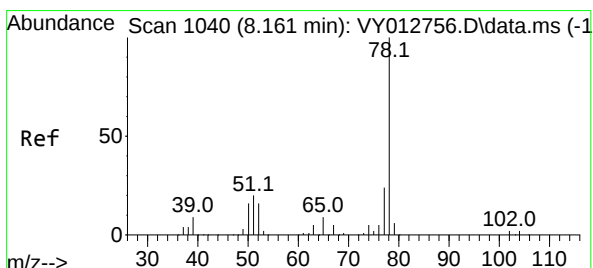
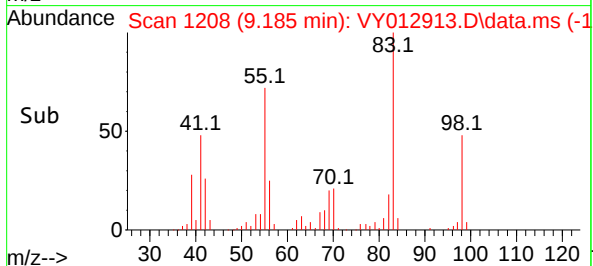
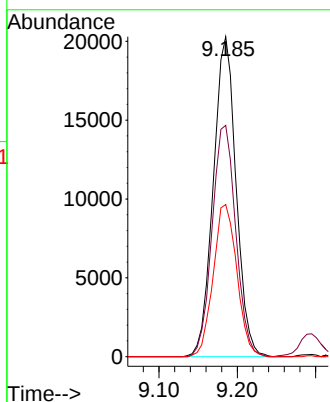
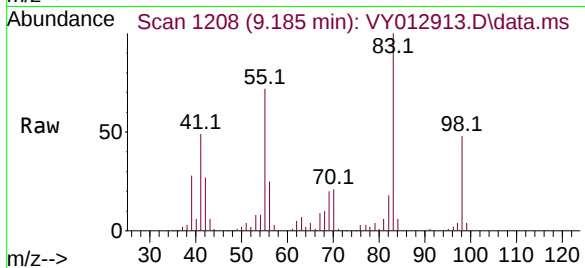
Tgt Ion: 83 Resp: 41024

Ion Ratio Lower Upper

83 100

55 72.3 60.0 90.0

98 47.5 38.3 57.5



#40

Benzene

Concen: 54.805 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY012913.D

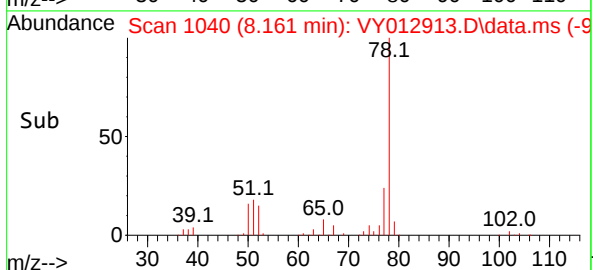
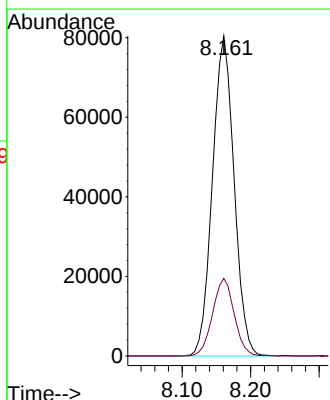
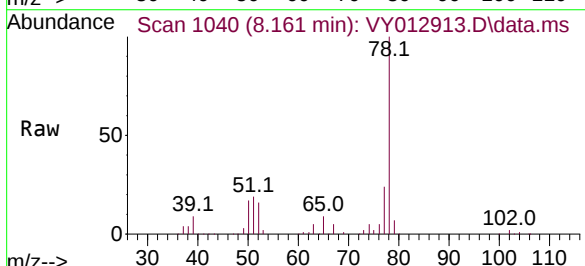
Acq: 10 Mar 2023 12:09

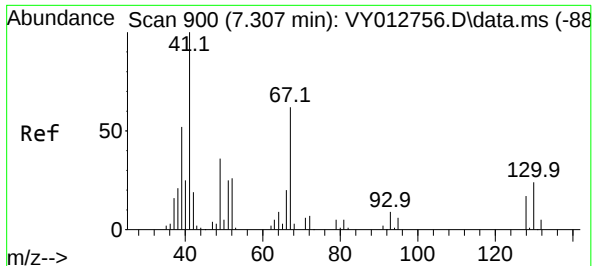
Tgt Ion: 78 Resp: 176284

Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.0

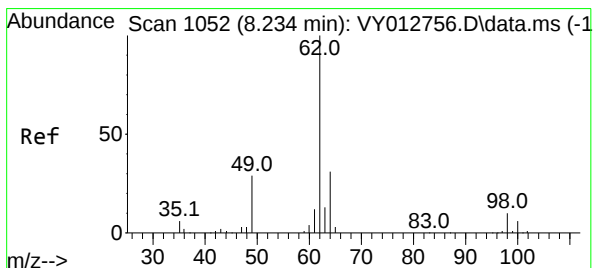
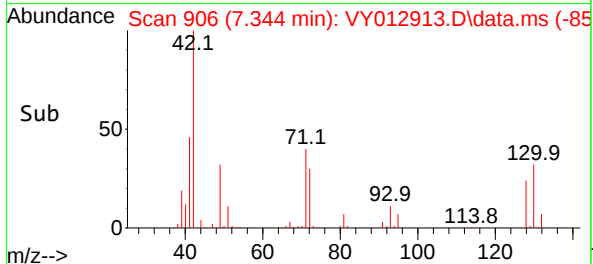
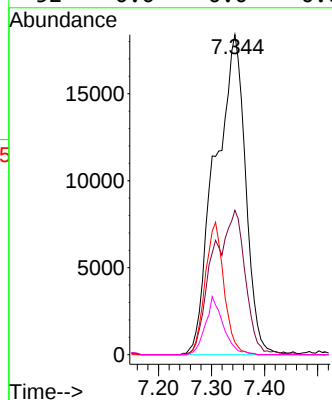
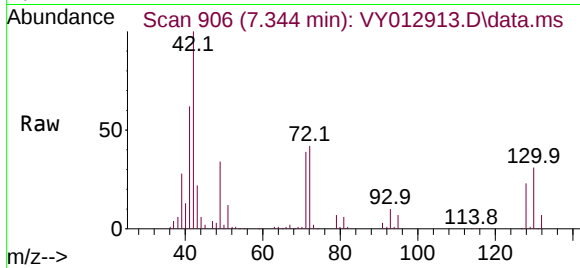




#41  
Methacrylonitrile  
Concen: 189.209 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.037 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

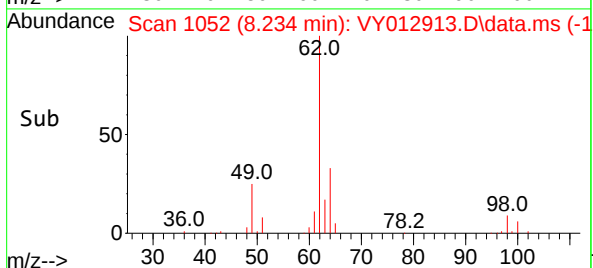
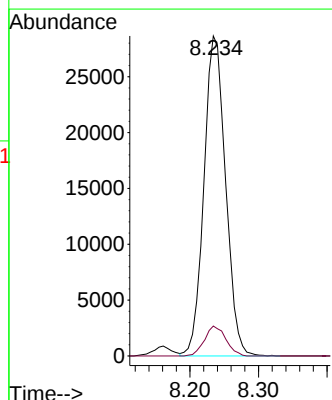
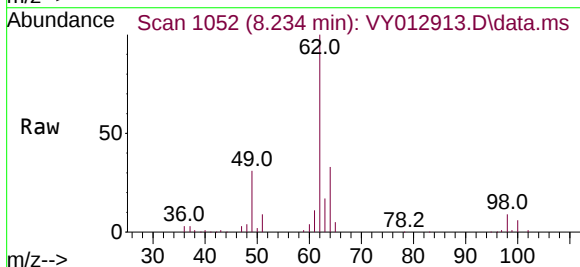
Instrument :  
MSVOA\_Y  
ClientSampleId :

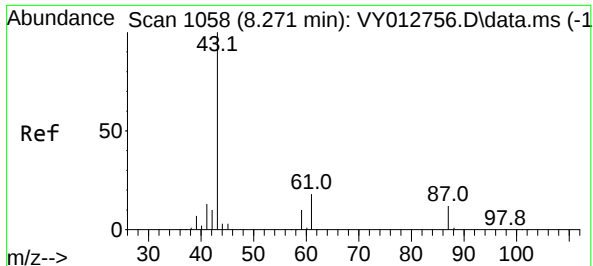
Tgt Ion: 41 Resp: 73061  
Ion Ratio Lower Upper  
41 100  
39 28.8 0.0 0.0#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 65.139 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 62 Resp: 62993  
Ion Ratio Lower Upper  
62 100  
98 9.2 0.0 18.8

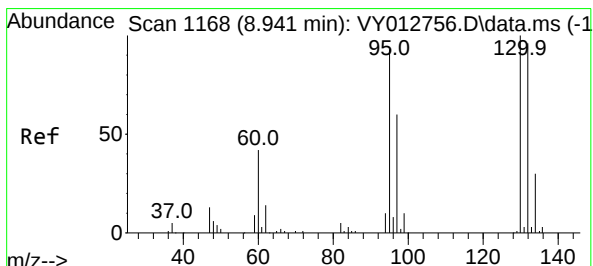
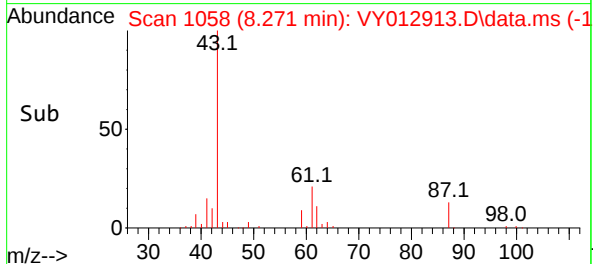
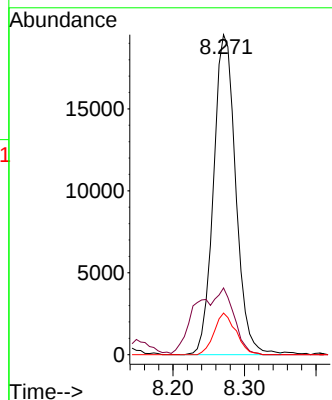
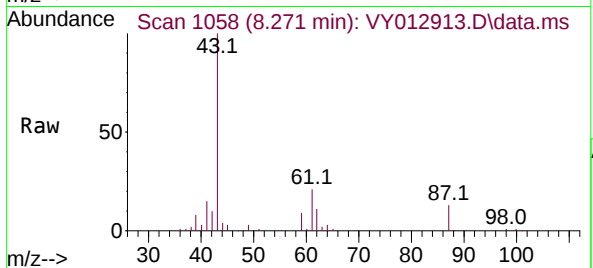




#43  
Isopropyl Acetate  
Concen: 32.955 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

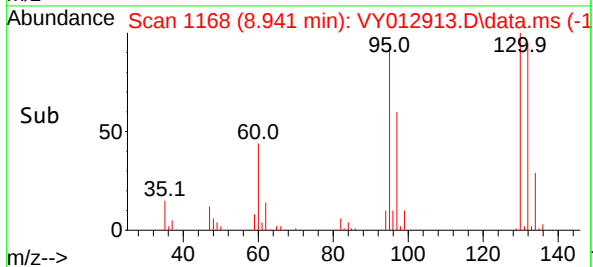
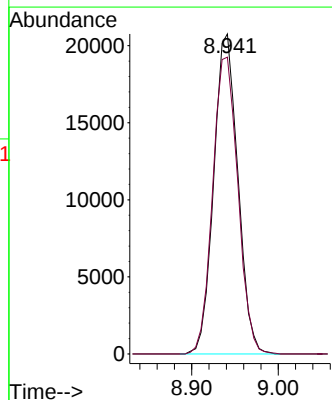
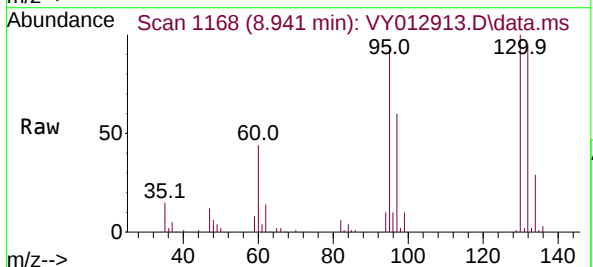
Instrument :  
MSVOA\_Y  
ClientSampleId :

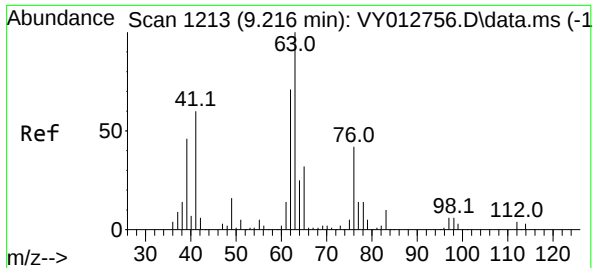
Tgt Ion: 43 Resp: 42139  
Ion Ratio Lower Upper  
43 100  
61 0.0 21.6 32.4#  
87 12.7 9.9 14.9



#44  
Trichloroethene  
Concen: 47.393 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion:130 Resp: 40192  
Ion Ratio Lower Upper  
130 100  
95 92.8 0.0 185.0

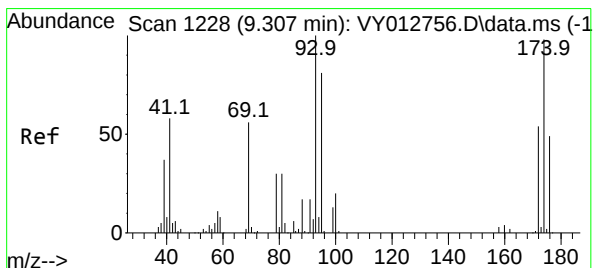
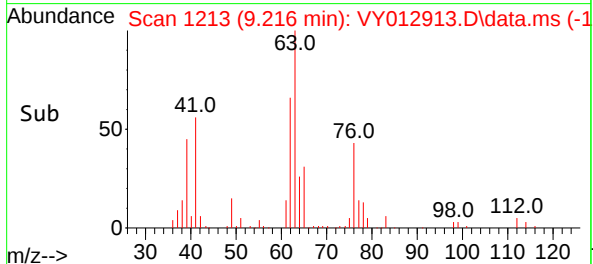
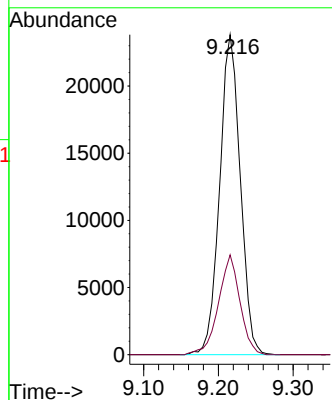
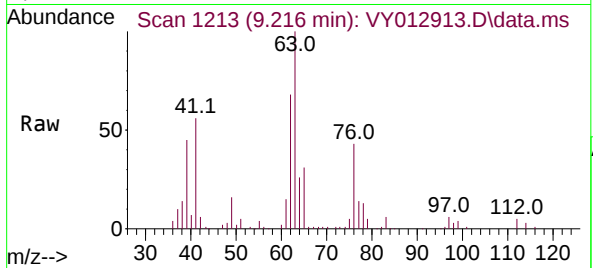




#45  
1,2-Dichloropropane  
Concen: 56.316 ug/l  
RT: 9.216 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

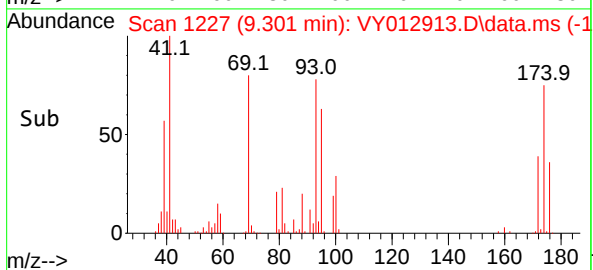
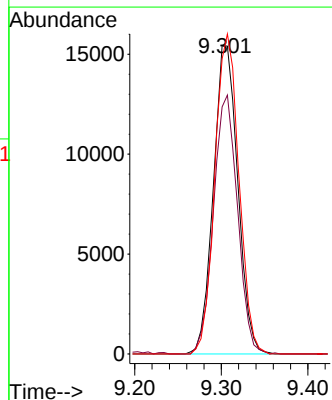
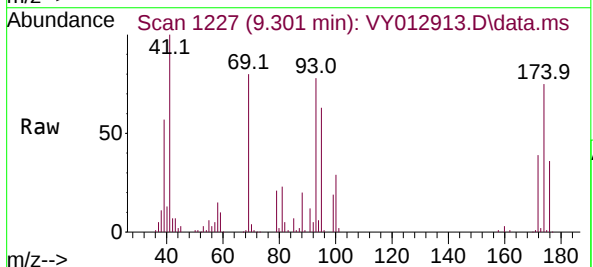
Instrument :  
MSVOA\_Y  
ClientSampleId :

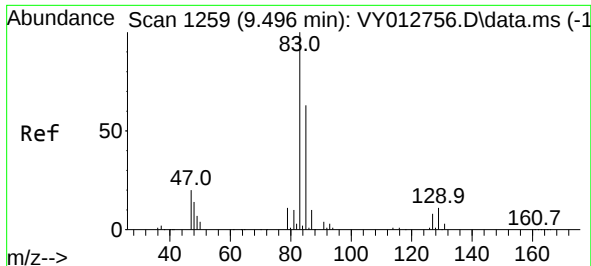
Tgt Ion: 63 Resp: 45780  
Ion Ratio Lower Upper  
63 100  
65 31.2 25.7 38.5



#46  
Dibromomethane  
Concen: 65.290 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 93 Resp: 30237  
Ion Ratio Lower Upper  
93 100  
95 82.5 65.6 98.4  
174 102.3 81.3 121.9

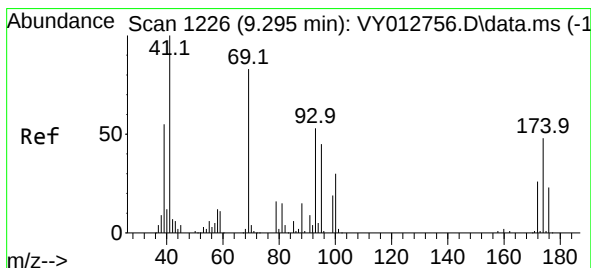
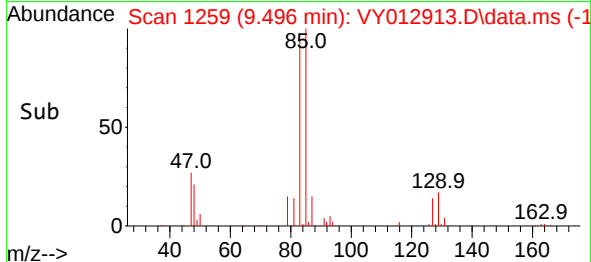
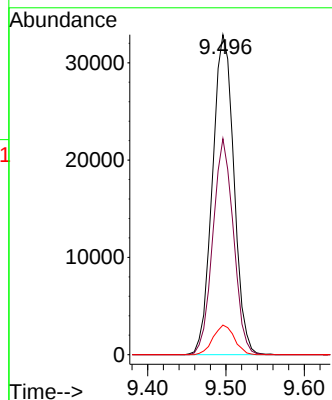
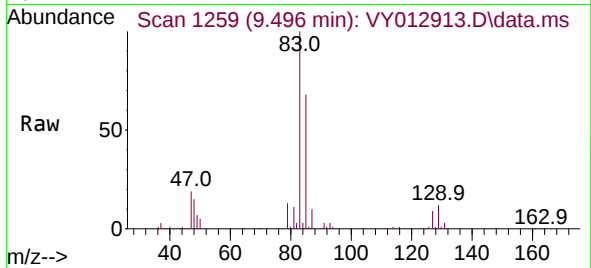




#47  
Bromodichloromethane  
Concen: 57.435 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

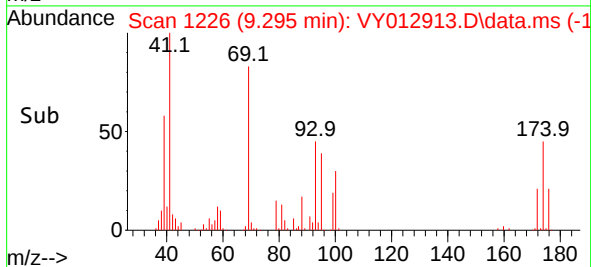
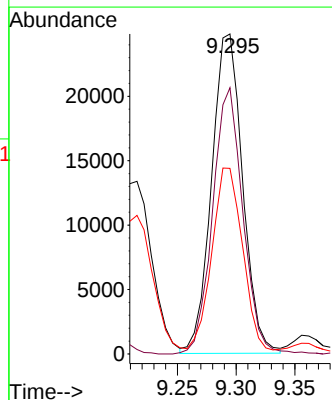
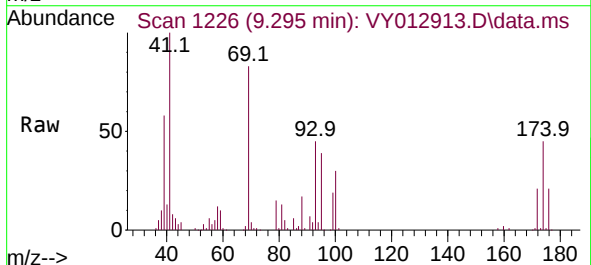
Instrument :  
MSVOA\_Y  
ClientSampleId :

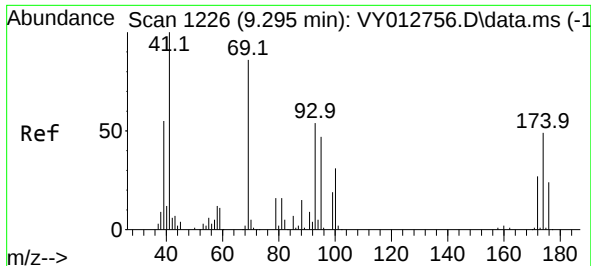
Tgt Ion: 83 Resp: 62682  
Ion Ratio Lower Upper  
83 100  
85 67.5 50.2 75.4  
127 9.2 6.3 9.5



#48  
Methyl methacrylate  
Concen: 77.439 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 41 Resp: 45626  
Ion Ratio Lower Upper  
41 100  
69 81.2 64.1 96.1  
39 58.2 44.0 66.0





#49

1,4-Dioxane

Concen: 1680.819 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

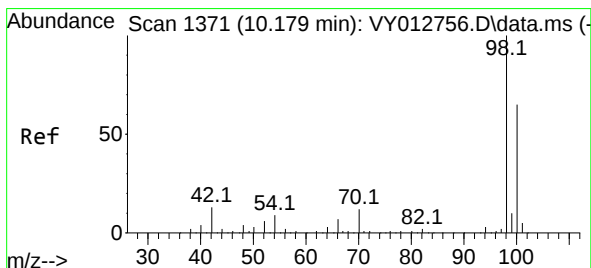
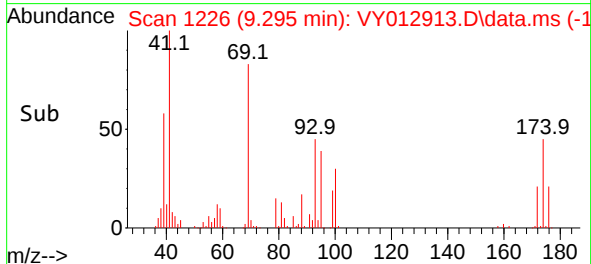
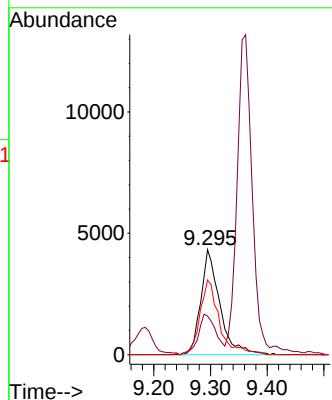
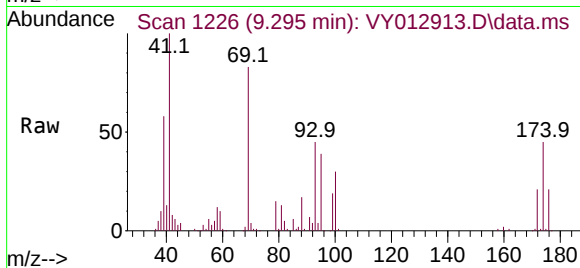
Tgt Ion: 88 Resp: 10063

Ion Ratio Lower Upper

88 100

43 35.7 28.6 42.8

58 72.8 55.2 82.8



#50

Toluene-d8

Concen: 40.675 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012913.D

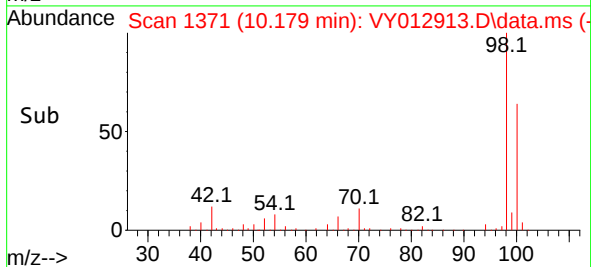
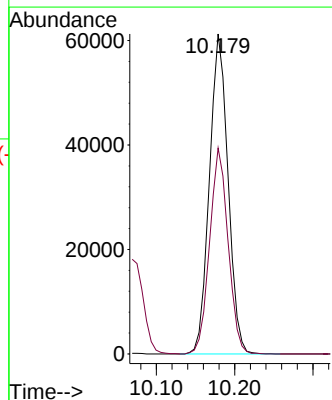
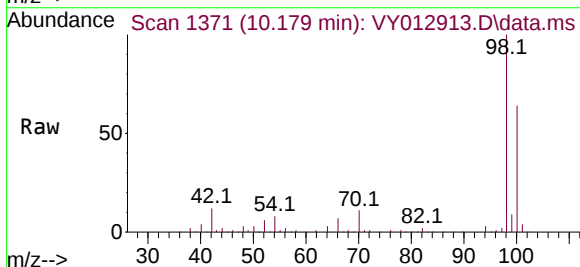
Acq: 10 Mar 2023 12:09

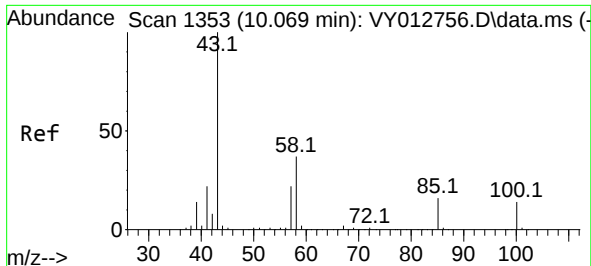
Tgt Ion: 98 Resp: 100901

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 295.172 ug/l

RT: 10.069 min Scan# 1353

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

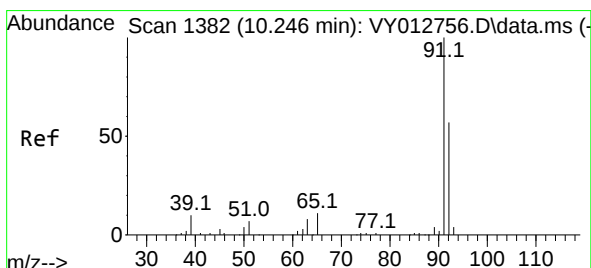
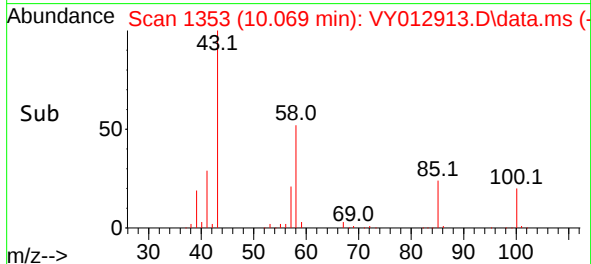
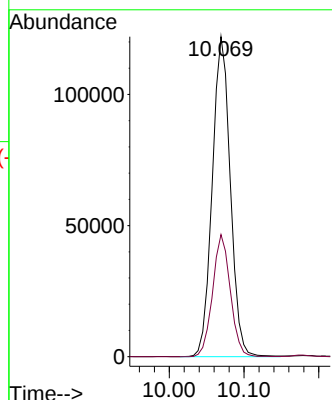
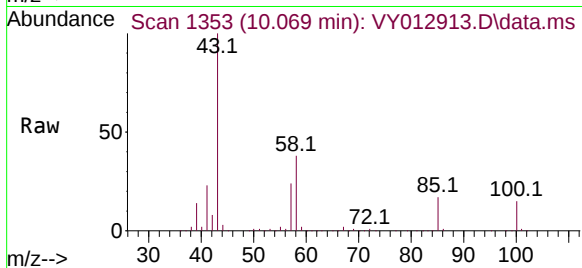
ClientSampleId :

Tgt Ion: 43 Resp: 204733

Ion Ratio Lower Upper

43 100

58 37.5 29.8 44.6



#52

Toluene

Concen: 45.856 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY012913.D

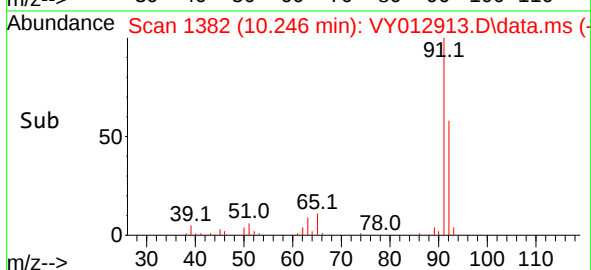
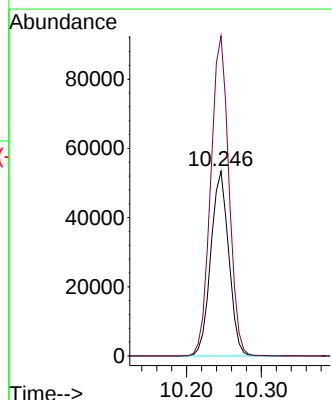
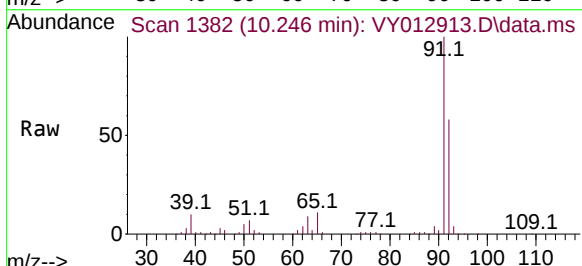
Acq: 10 Mar 2023 12:09

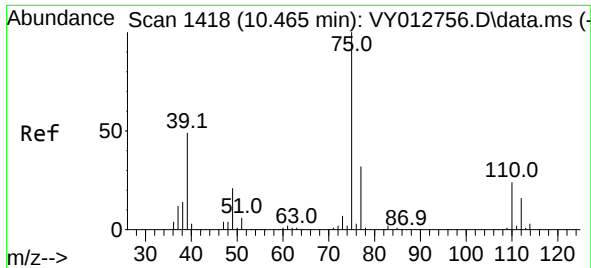
Tgt Ion: 92 Resp: 88955

Ion Ratio Lower Upper

92 100

91 175.9 141.3 211.9

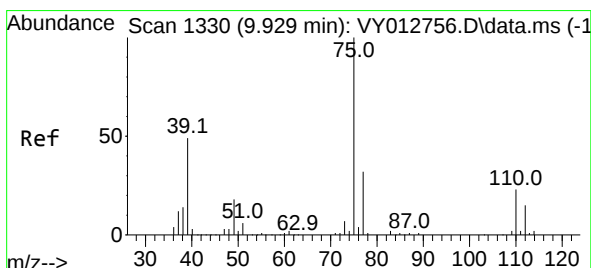
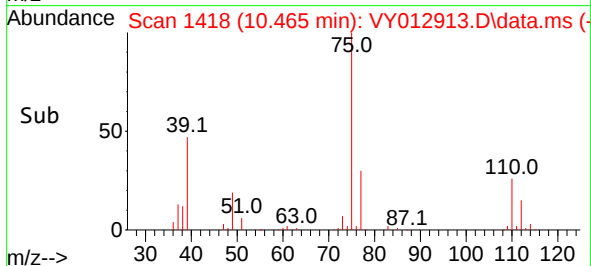
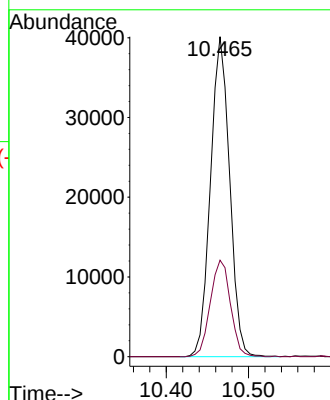
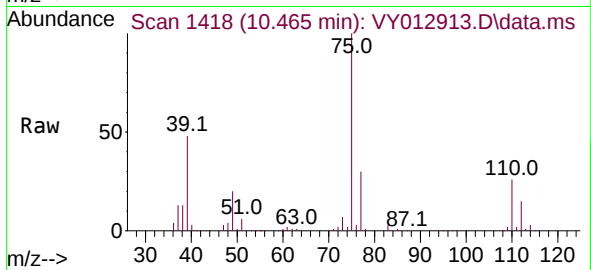




#53  
t-1,3-Dichloropropene  
Concen: 56.801 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

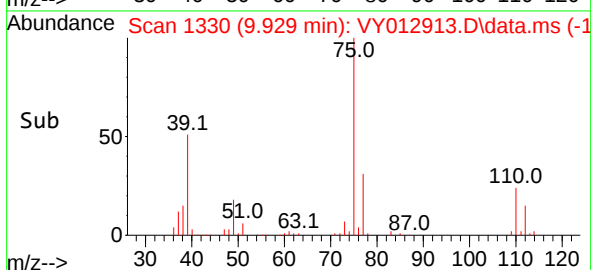
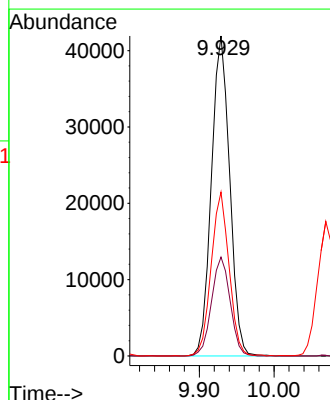
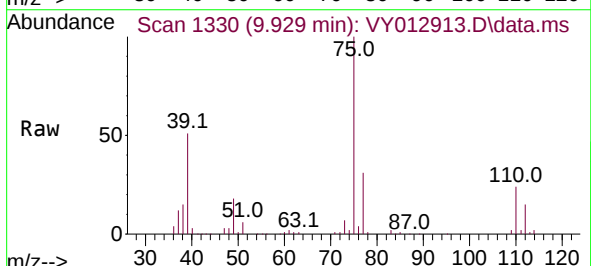
Instrument :  
MSVOA\_Y  
ClientSampleId :

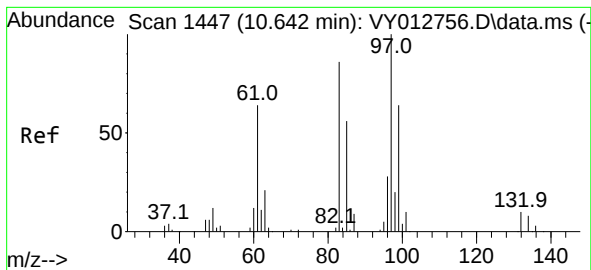
Tgt Ion: 75 Resp: 65021  
Ion Ratio Lower Upper  
75 100  
77 30.1 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 54.977 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 75 Resp: 71232  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.4 38.0  
39 51.2 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 60.067 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 38741

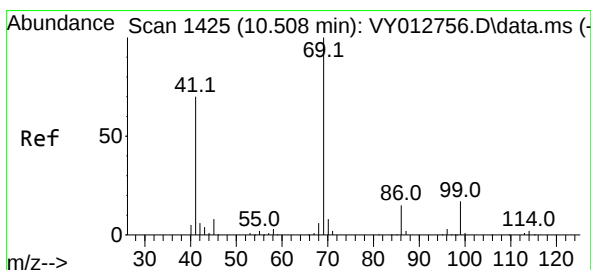
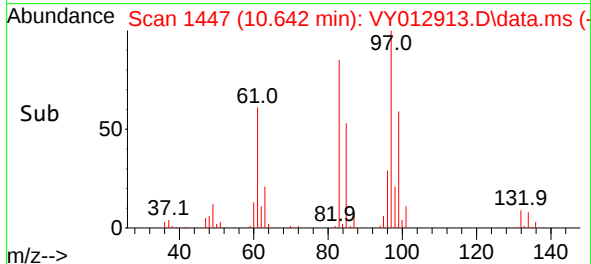
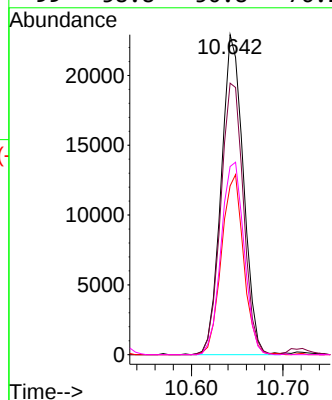
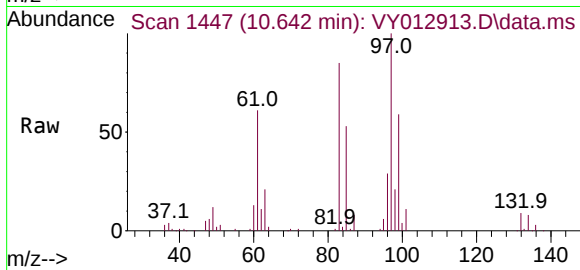
Ion Ratio Lower Upper

97 100

83 84.9 69.0 103.6

85 52.8 44.9 67.3

99 58.8 50.8 76.2



#56

Ethyl methacrylate

Concen: 37.190 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

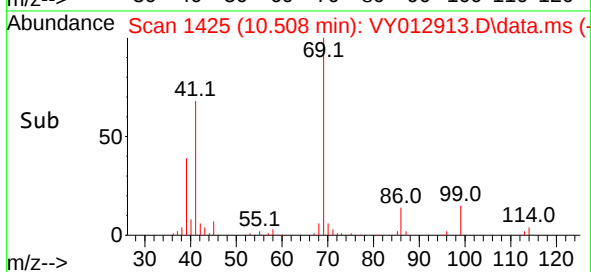
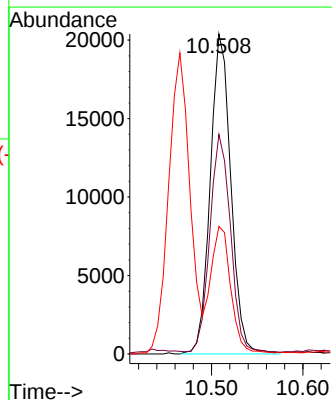
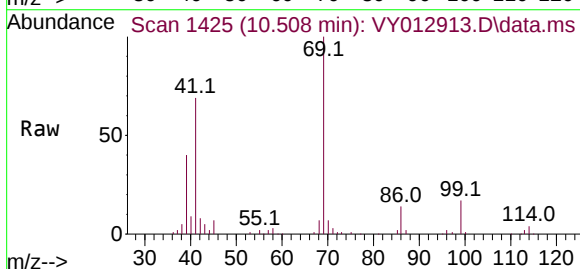
Tgt Ion: 69 Resp: 31983

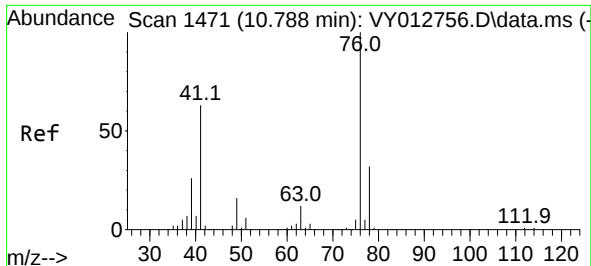
Ion Ratio Lower Upper

69 100

41 68.9 56.4 84.6

39 38.3 30.8 46.2

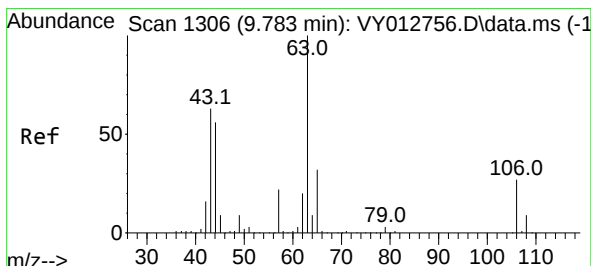
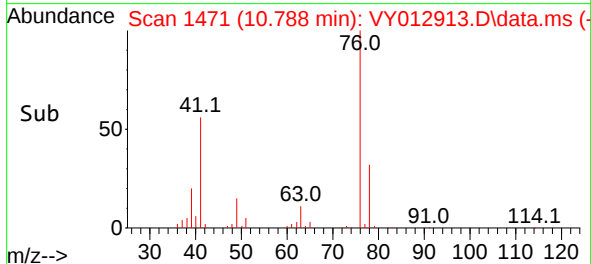
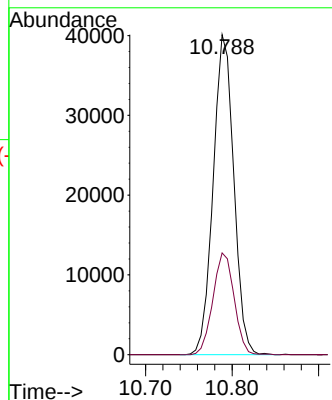
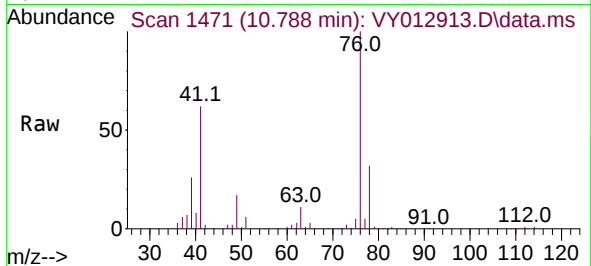




#57  
1,3-Dichloropropane  
Concen: 60.323 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

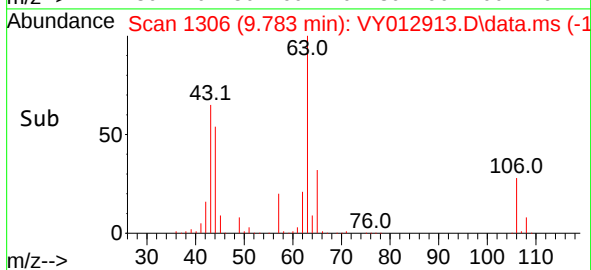
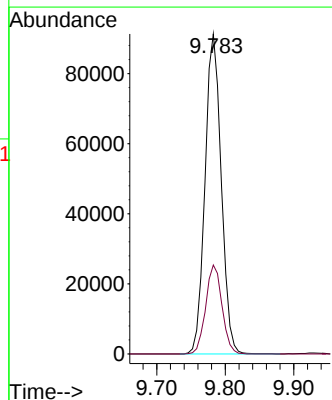
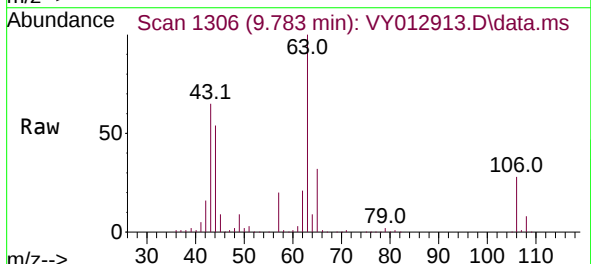
Instrument :  
MSVOA\_Y  
ClientSampleId :

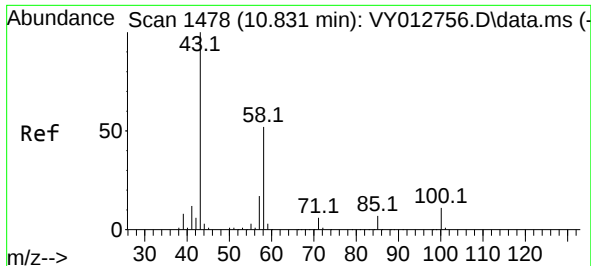
Tgt Ion: 76 Resp: 66267  
Ion Ratio Lower Upper  
76 100  
78 32.7 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 333.237 ug/l  
RT: 9.783 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 63 Resp: 150442  
Ion Ratio Lower Upper  
63 100  
106 27.9 22.1 33.1





#59

2-Hexanone

Concen: 262.697 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

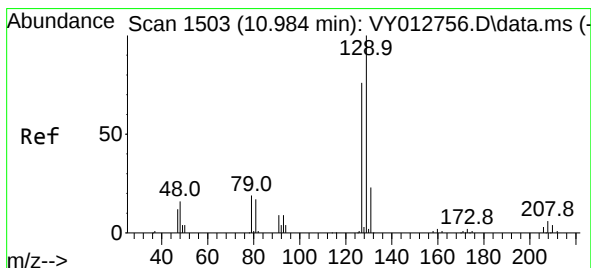
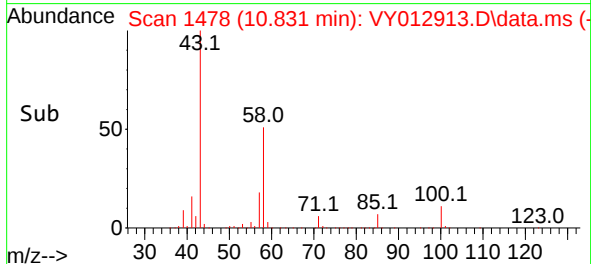
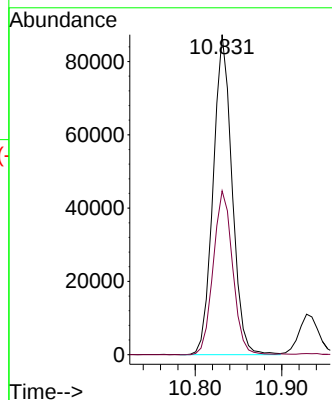
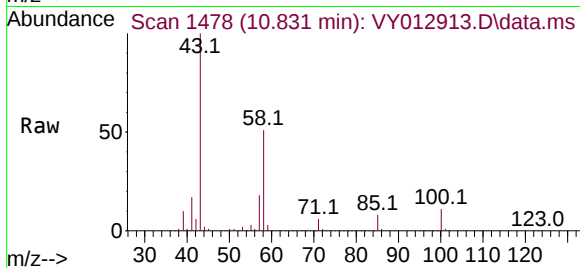
ClientSampleId :

Tgt Ion: 43 Resp: 132426

Ion Ratio Lower Upper

43 100

58 52.4 25.9 77.8



#60

Dibromochloromethane

Concen: 54.338 ug/l

RT: 10.984 min Scan# 1503

Delta R.T. 0.000 min

Lab File: VY012913.D

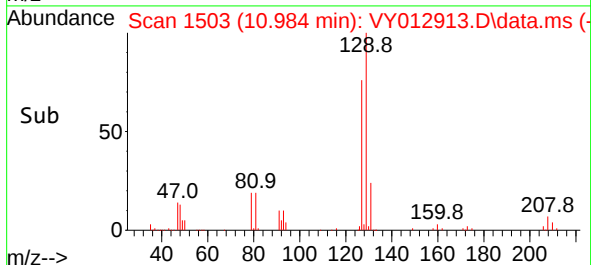
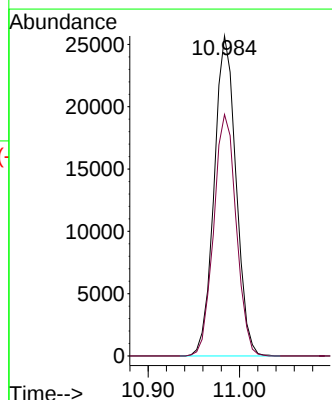
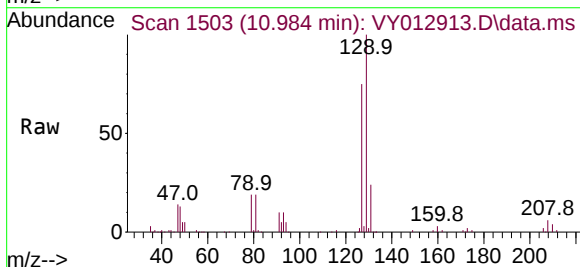
Acq: 10 Mar 2023 12:09

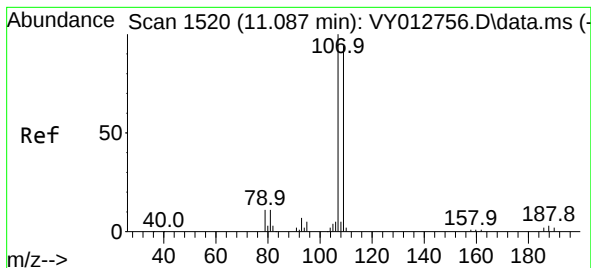
Tgt Ion: 129 Resp: 42661

Ion Ratio Lower Upper

129 100

127 77.6 38.7 116.1

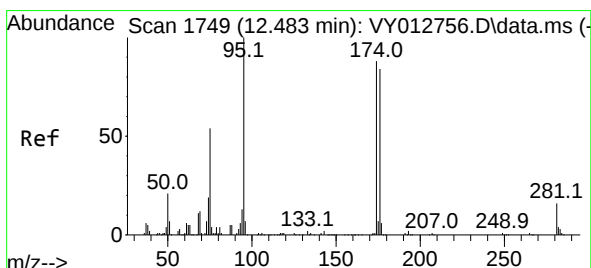
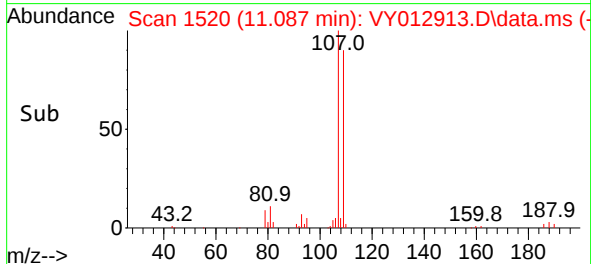
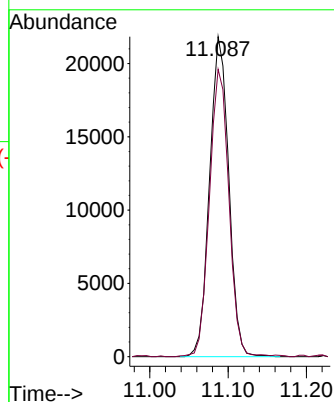
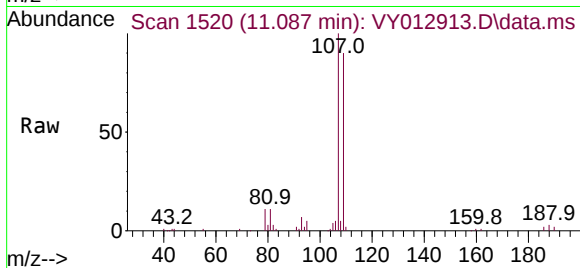




#61  
1,2-Dibromoethane  
Concen: 59.575 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

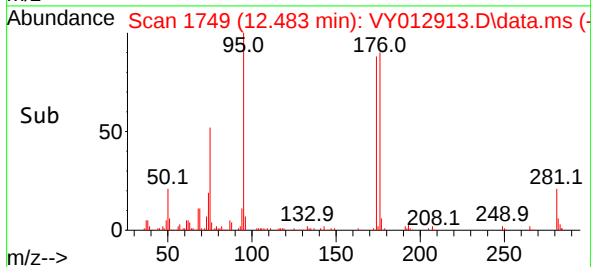
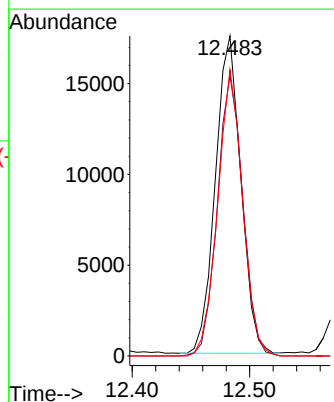
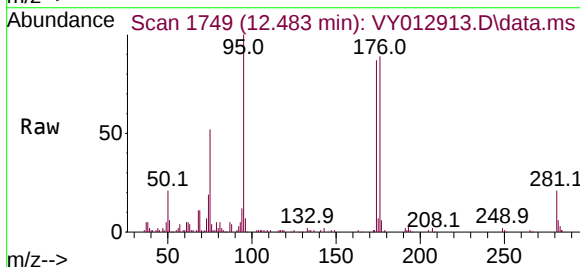
Instrument :  
MSVOA\_Y  
ClientSampleId :

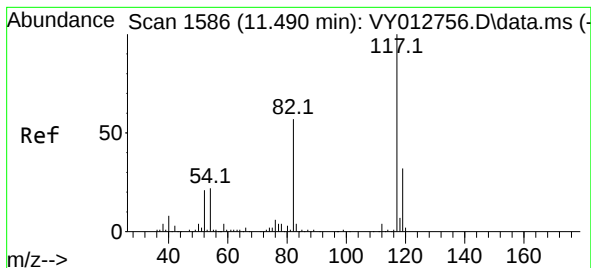
Tgt Ion:107 Resp: 37013  
Ion Ratio Lower Upper  
107 100  
109 91.3 75.0 112.6



#62  
4-Bromofluorobenzene  
Concen: 31.490 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 95 Resp: 26366  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 176.6  
176 87.9 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

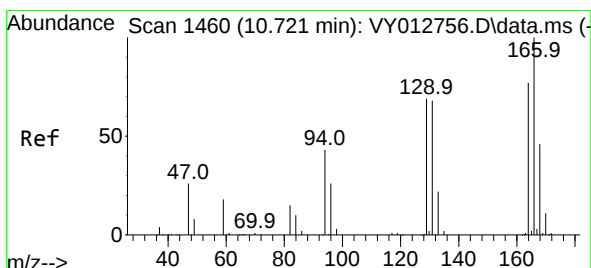
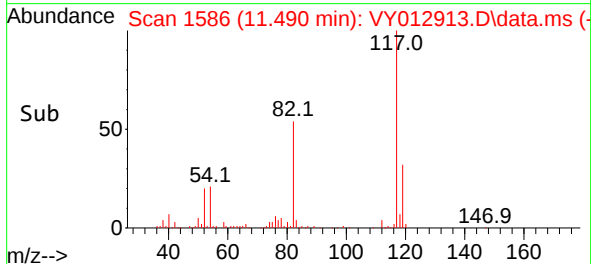
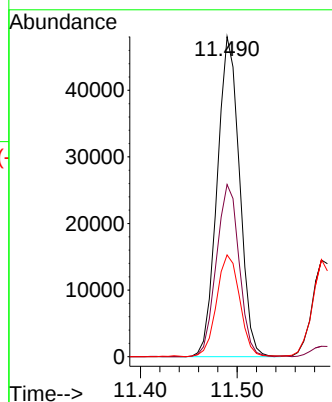
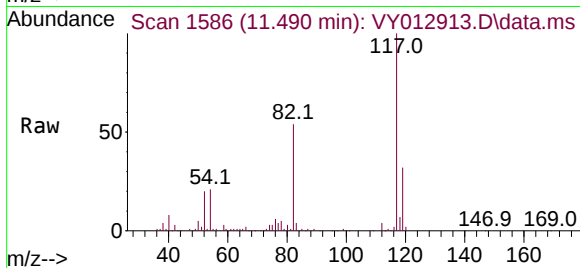
Tgt Ion:117 Resp: 76978

Ion Ratio Lower Upper

117 100

82 53.8 45.4 68.0

119 31.7 25.6 38.4



#64

Tetrachloroethene

Concen: 42.886 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Tgt Ion:164 Resp: 24036

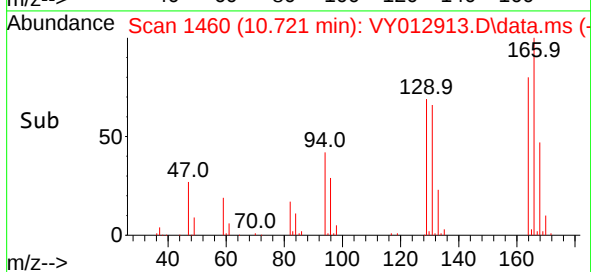
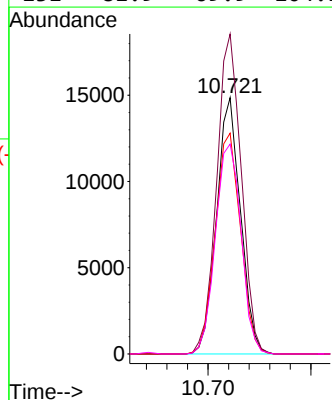
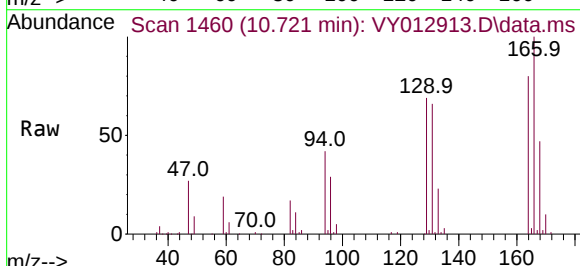
Ion Ratio Lower Upper

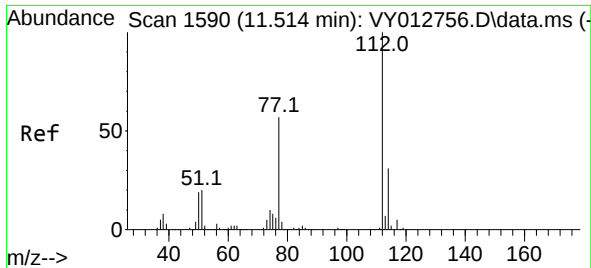
164 100

166 124.8 103.4 155.2

129 86.1 71.4 107.2

131 81.9 69.9 104.9

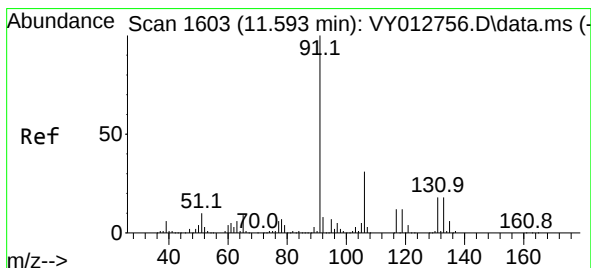
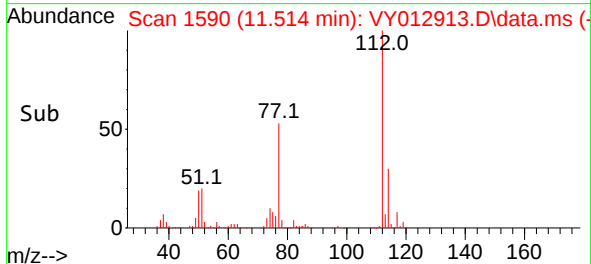
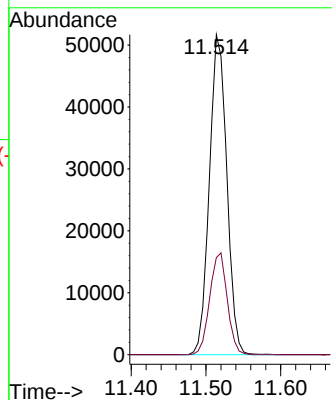
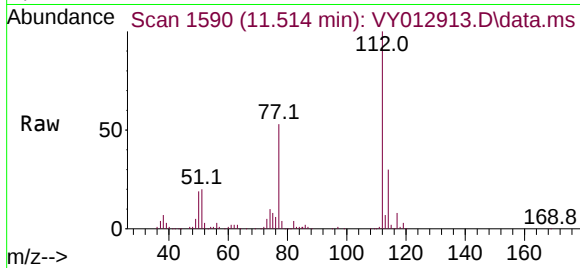




#65  
Chlorobenzene  
Concen: 51.998 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

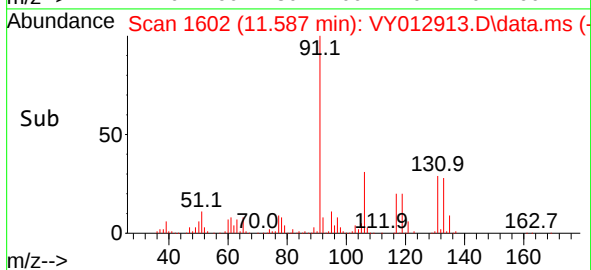
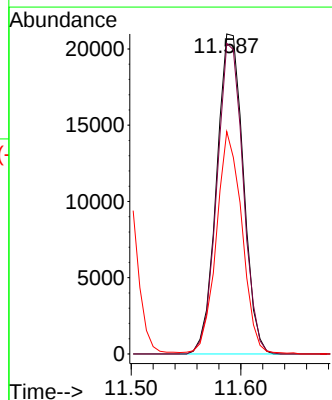
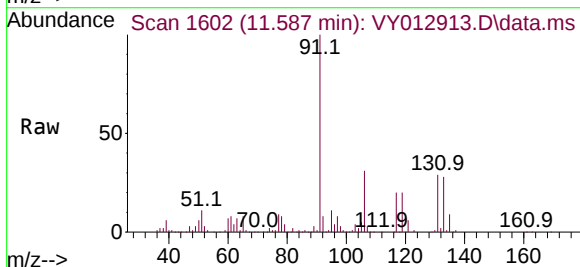
Instrument :  
MSVOA\_Y  
ClientSampleId :

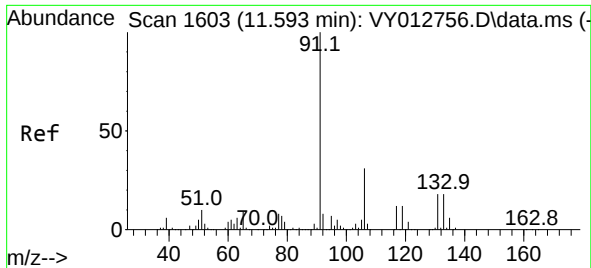
Tgt Ion:112 Resp: 84007  
Ion Ratio Lower Upper  
112 100  
114 30.3 24.5 36.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 59.403 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion:131 Resp: 35512  
Ion Ratio Lower Upper  
131 100  
133 95.5 48.0 144.0  
119 66.8 32.6 98.0





#67

Ethyl Benzene

Concen: 45.279 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

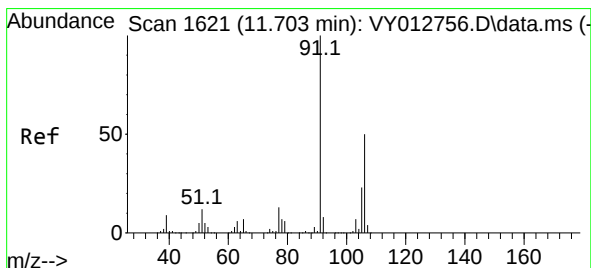
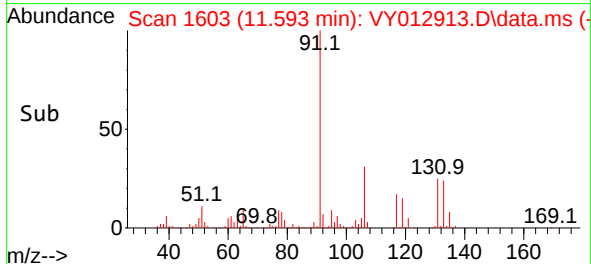
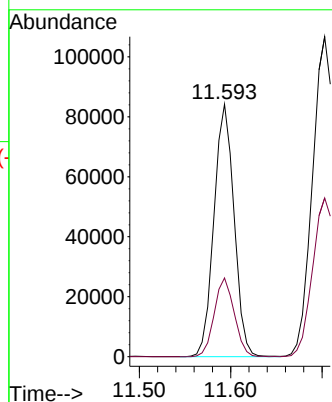
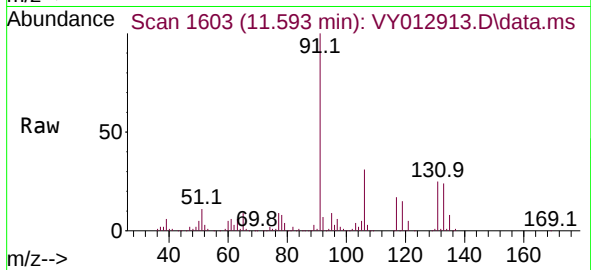
ClientSampleId :

Tgt Ion: 91 Resp: 128612

Ion Ratio Lower Upper

91 100

106 31.2 25.1 37.7



#68

m/p-Xylenes

Concen: 87.984 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY012913.D

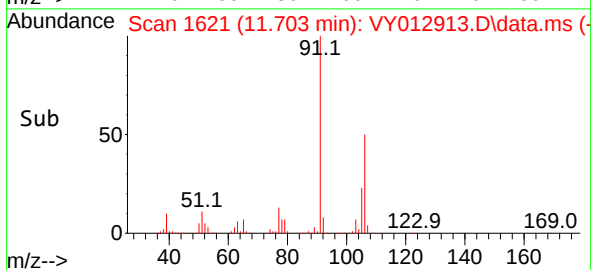
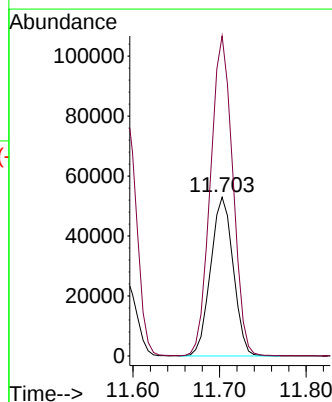
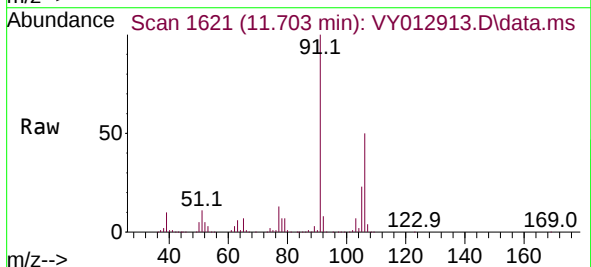
Acq: 10 Mar 2023 12:09

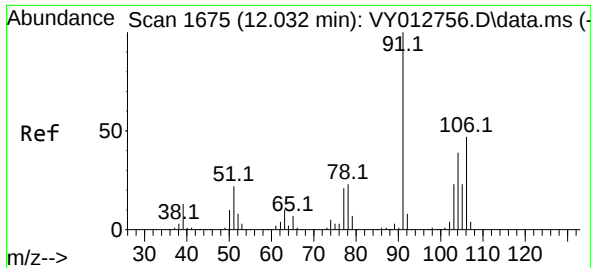
Tgt Ion:106 Resp: 96141

Ion Ratio Lower Upper

106 100

91 199.9 159.8 239.8

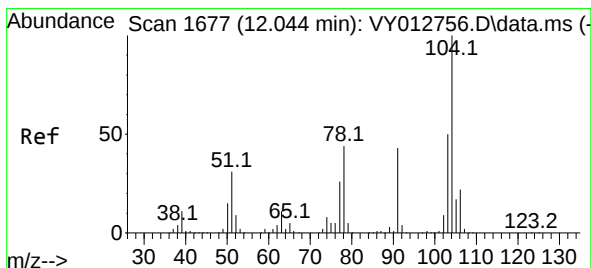
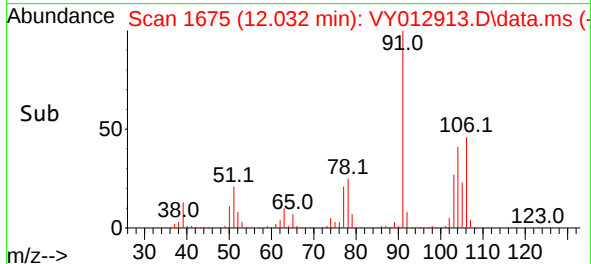
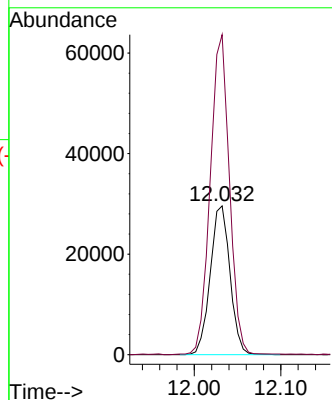
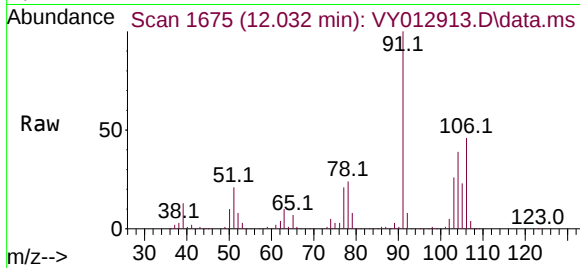




#69  
o-Xylene  
Concen: 45.926 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

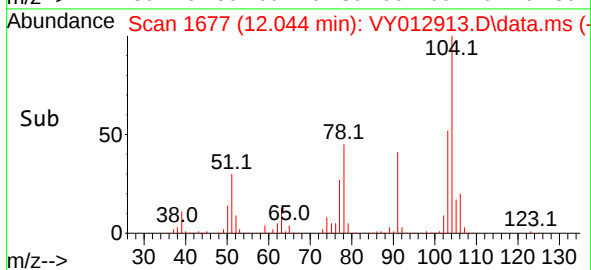
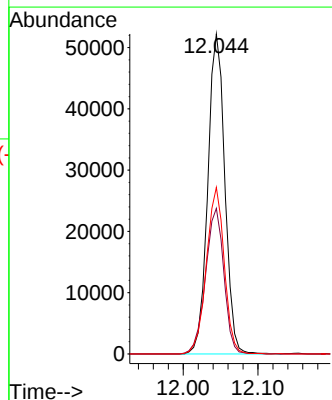
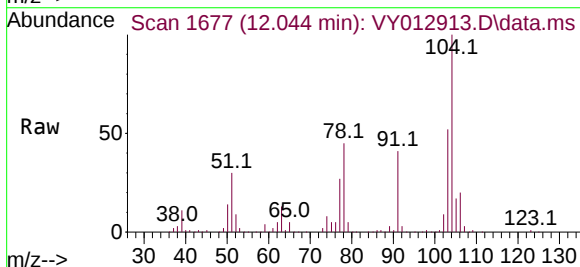
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:106 Resp: 46836  
Ion Ratio Lower Upper  
106 100  
91 209.9 107.2 321.6



#70  
Styrene  
Concen: 48.491 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion:104 Resp: 82524  
Ion Ratio Lower Upper  
104 100  
78 48.9 39.2 58.8  
103 54.6 43.7 65.5





#71

Bromoform

Concen: 67.102 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

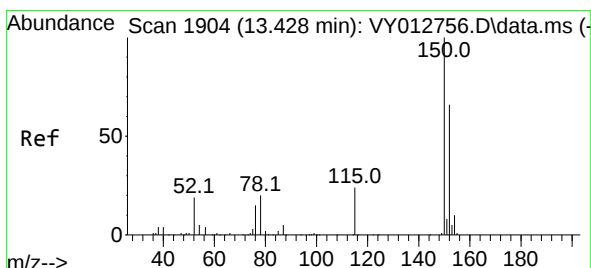
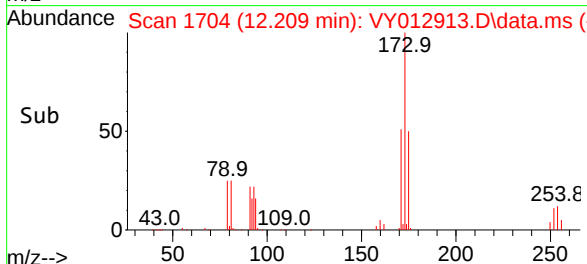
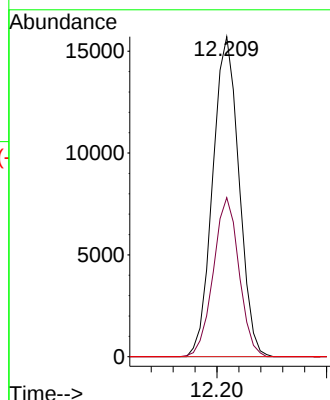
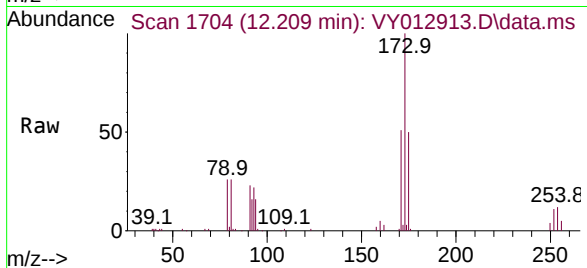
Tgt Ion:173 Resp: 26155

Ion Ratio Lower Upper

173 100

175 48.5 25.0 75.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

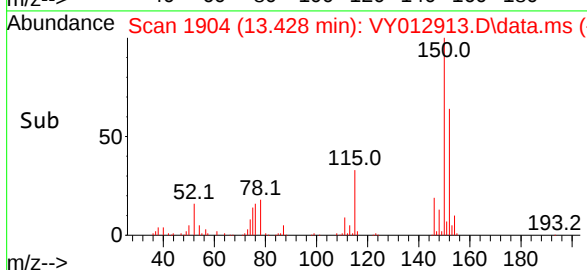
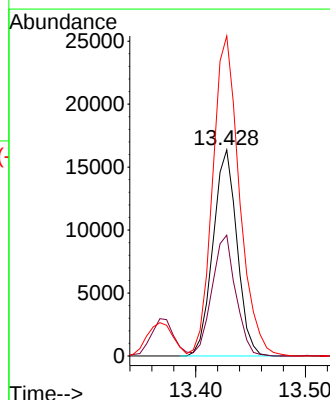
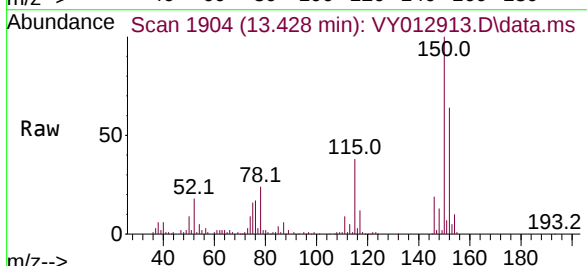
Tgt Ion:152 Resp: 24843

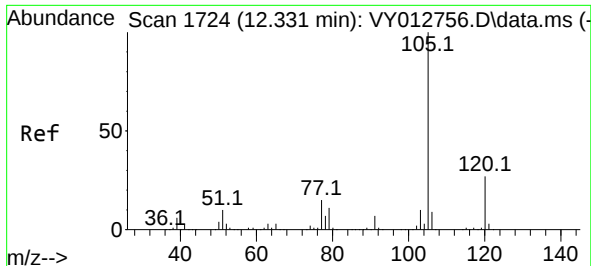
Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

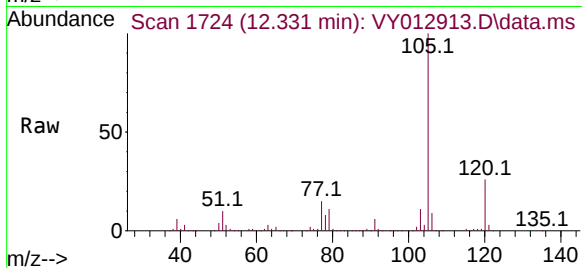
150 173.4 0.0 347.8



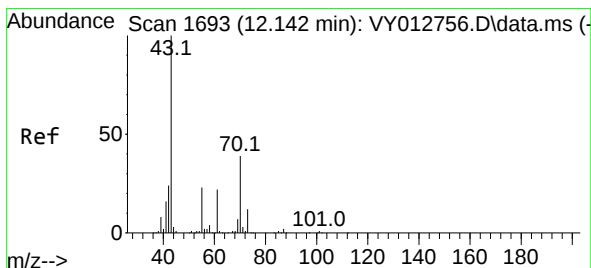
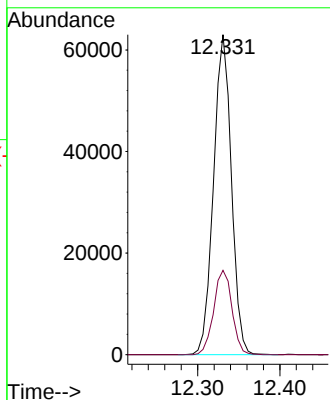
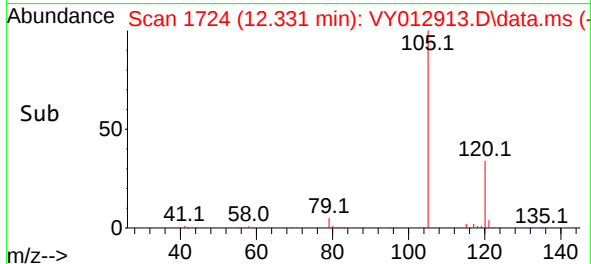


#73  
Isopropylbenzene  
Concen: 53.938 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

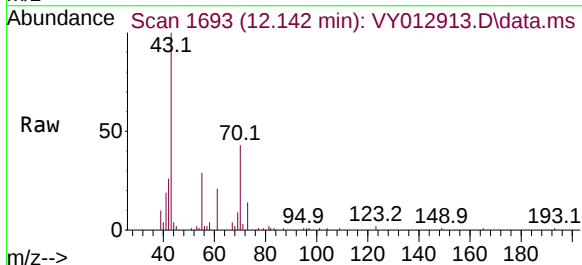
Instrument :  
MSVOA\_Y  
ClientSampleId :



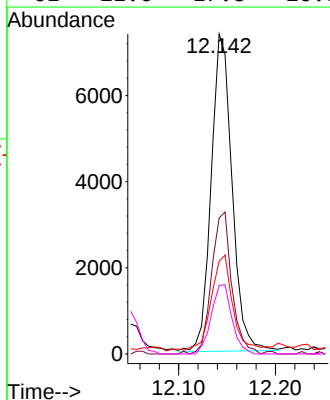
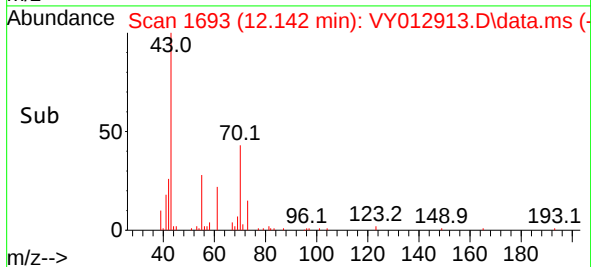
Tgt Ion:105 Resp: 94966  
Ion Ratio Lower Upper  
105 100  
120 27.0 13.4 40.2

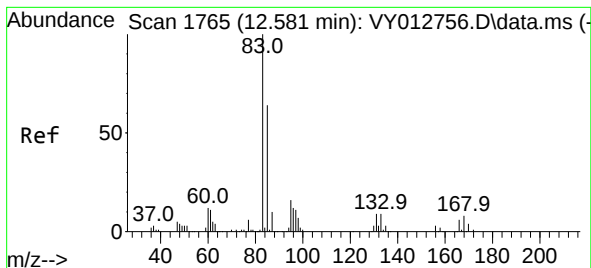


#74  
N-ethyl acetate  
Concen: 19.947 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09



Tgt Ion: 43 Resp: 11050  
Ion Ratio Lower Upper  
43 100  
70 43.6 31.6 47.4  
55 29.2 18.8 28.2#  
61 21.6 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 104.358 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

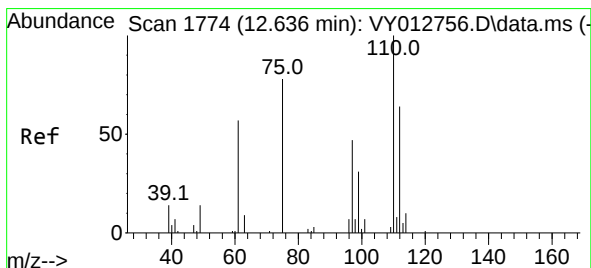
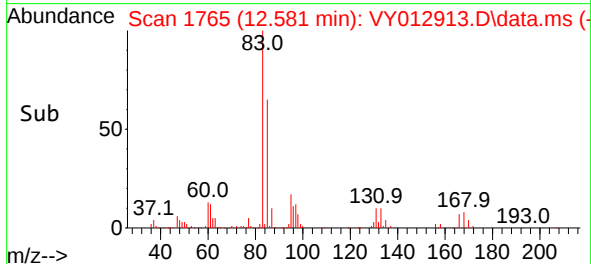
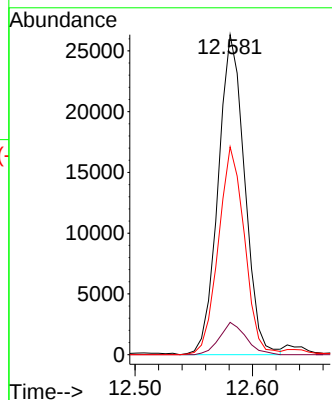
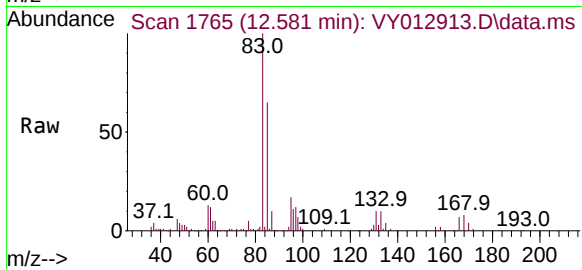
Tgt Ion: 83 Resp: 41303

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 63.9 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 179.445 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.000 min

Lab File: VY012913.D

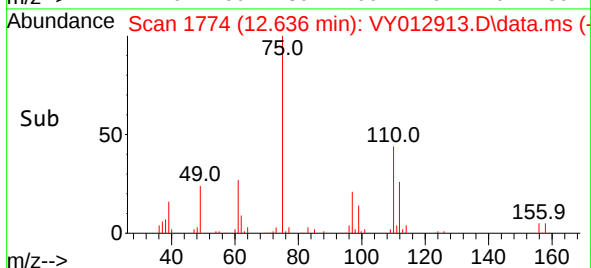
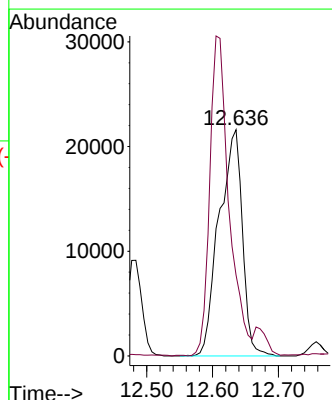
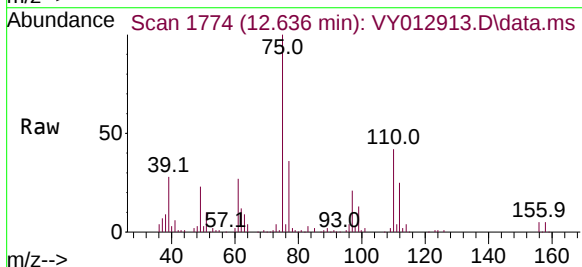
Acq: 10 Mar 2023 12:09

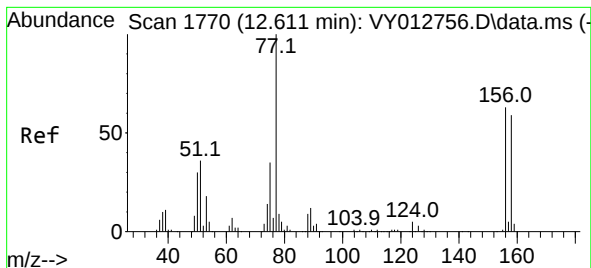
Tgt Ion: 75 Resp: 53235

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 71.559 ug/l

RT: 12.605 min Scan# 1770

Delta R.T. -0.006 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

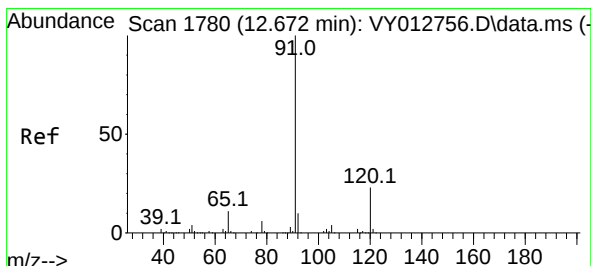
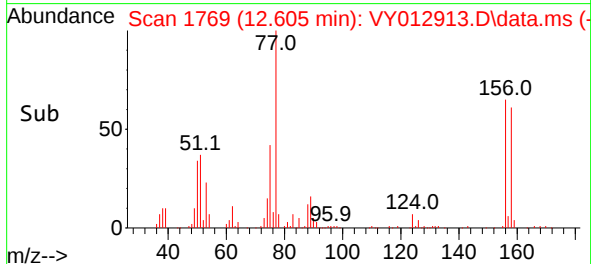
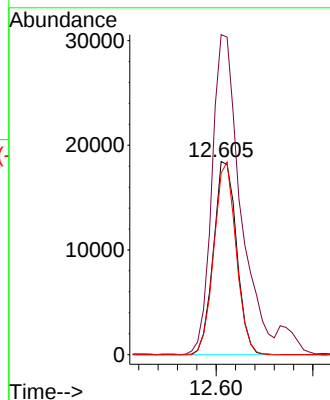
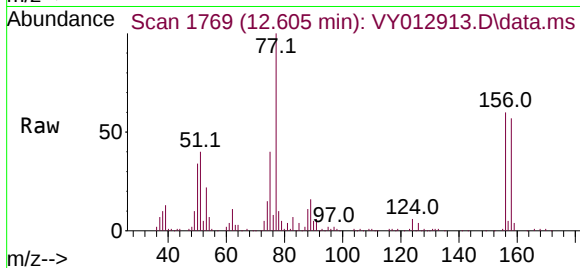
Tgt Ion:156 Resp: 30607

Ion Ratio Lower Upper

156 100

77 204.6 94.0 282.1

158 95.6 48.1 144.4



#78

n-propylbenzene

Concen: 48.209 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012913.D

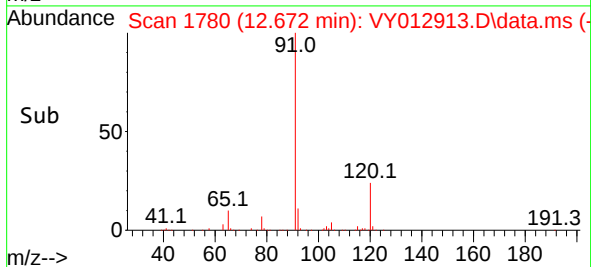
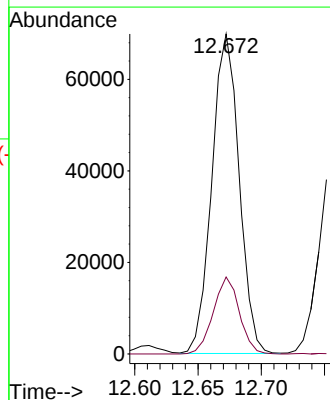
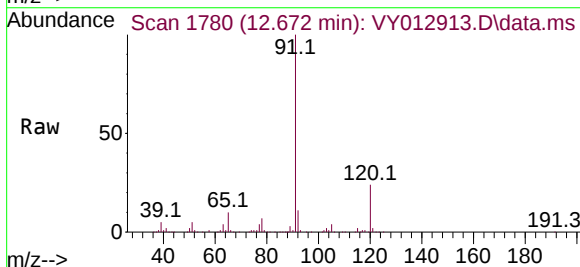
Acq: 10 Mar 2023 12:09

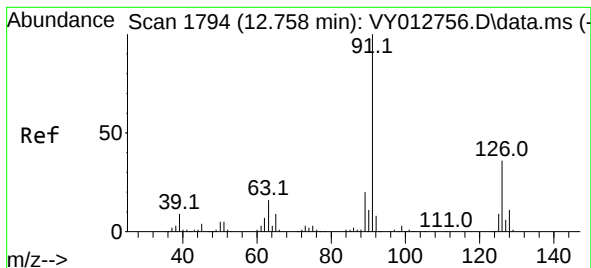
Tgt Ion: 91 Resp: 104646

Ion Ratio Lower Upper

91 100

120 23.0 11.6 34.8

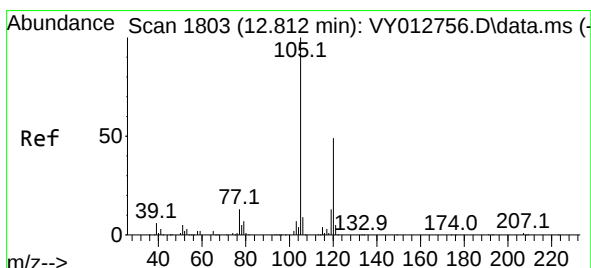
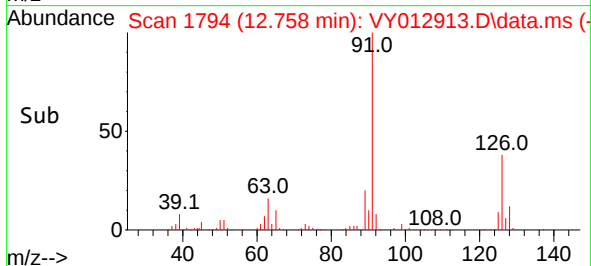
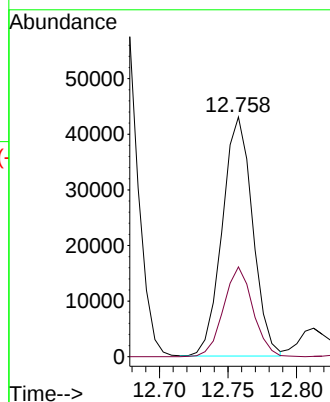
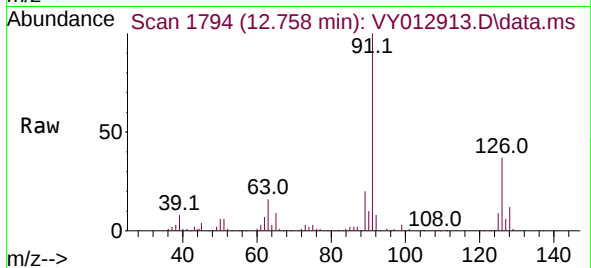




#79  
2-Chlorotoluene  
Concen: 55.083 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

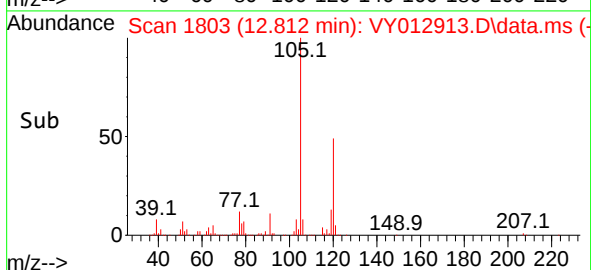
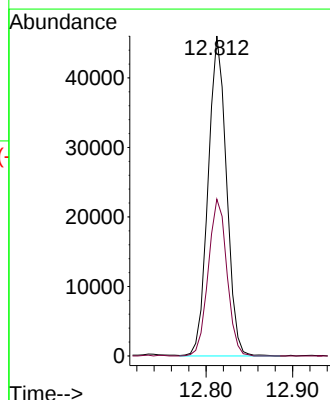
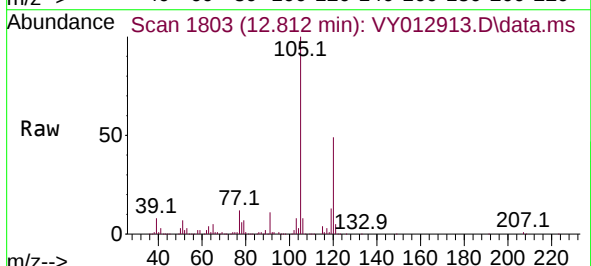
Instrument :  
MSVOA\_Y  
ClientSampleId :

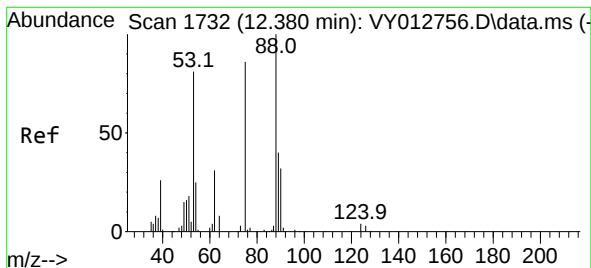
Tgt Ion: 91 Resp: 66453  
Ion Ratio Lower Upper  
91 100  
126 36.2 17.4 52.2



#80  
1,3,5-Trimethylbenzene  
Concen: 46.593 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 105 Resp: 67699  
Ion Ratio Lower Upper  
105 100  
120 49.8 24.8 74.4

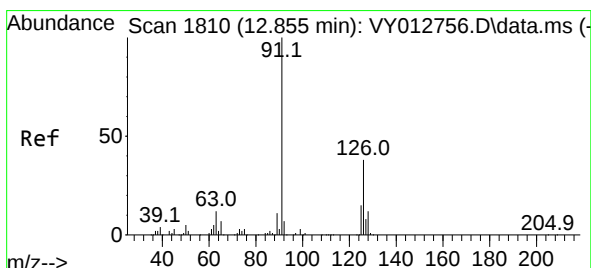
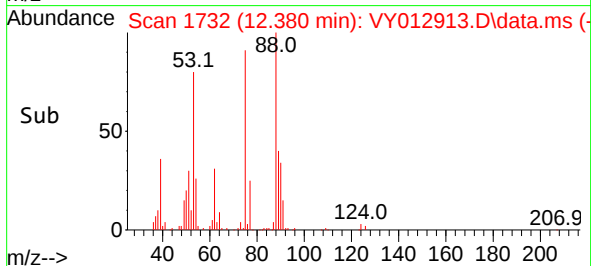
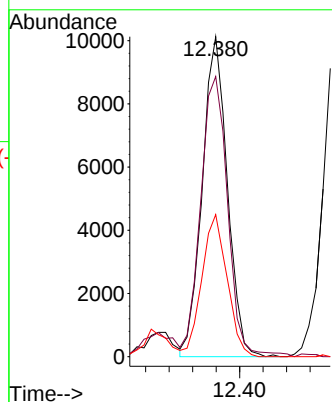
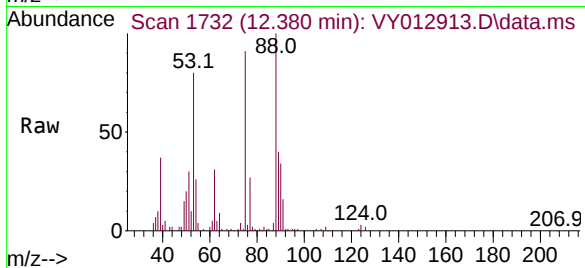




#81  
trans-1,4-Dichloro-2-butene  
Concen: 104.668 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

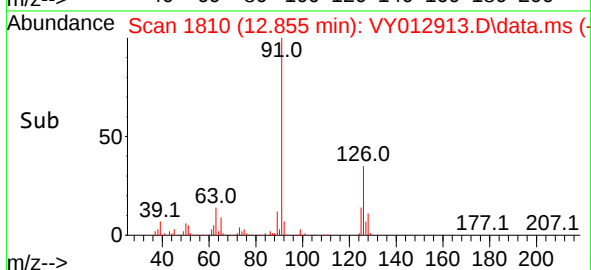
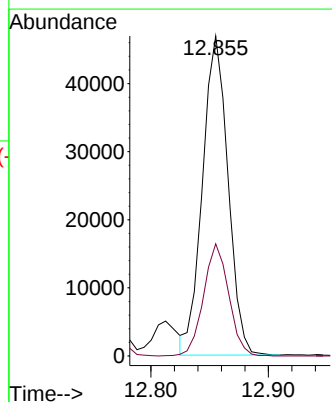
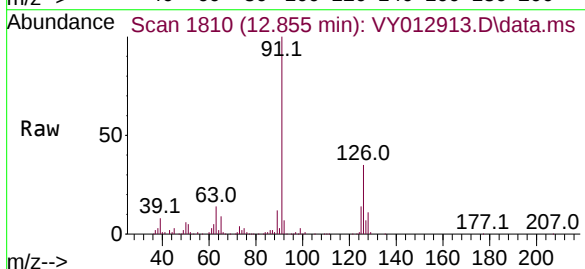
Instrument :  
MSVOA\_Y  
ClientSampleId :

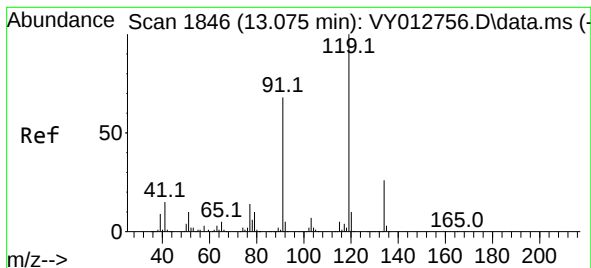
Tgt Ion: 75 Resp: 14986  
Ion Ratio Lower Upper  
75 100  
53 94.3 73.4 110.0  
89 44.8 36.6 55.0



#82  
4-Chlorotoluene  
Concen: 56.578 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

Tgt Ion: 91 Resp: 70657  
Ion Ratio Lower Upper  
91 100  
126 34.7 17.7 53.1





#83

tert-Butylbenzene

Concen: 42.539 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY012913.D

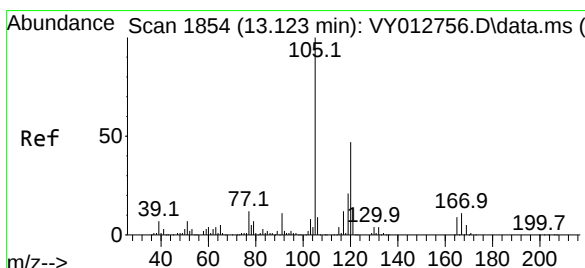
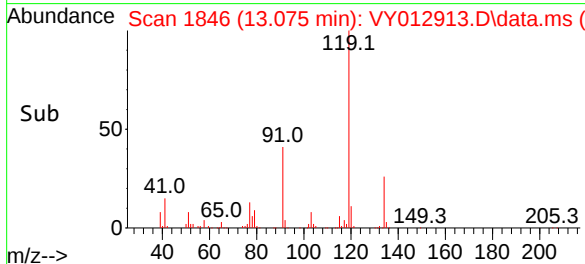
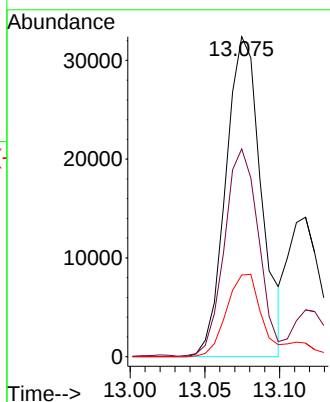
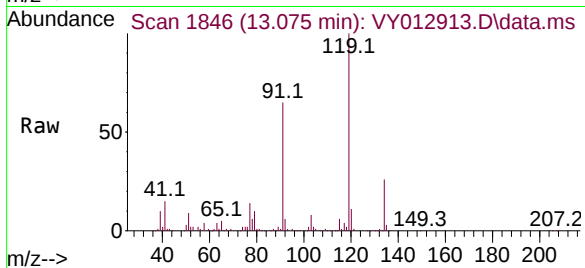
Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 53348 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 62.3  | 32.8  | 98.3  |
| 134       | 28.8  | 13.6  | 40.8  |



#84

1,2,4-Trimethylbenzene

Concen: 47.987 ug/l

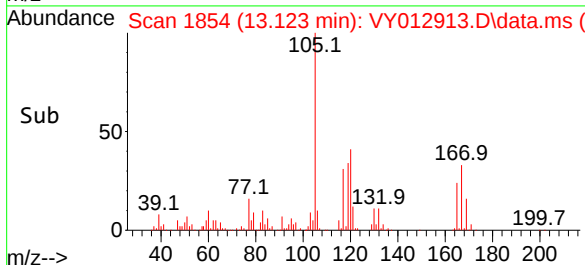
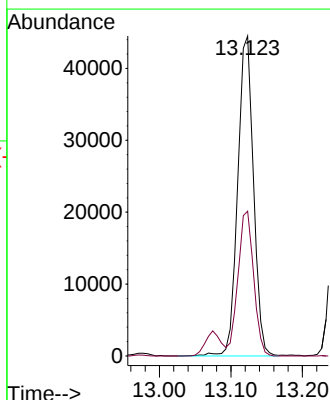
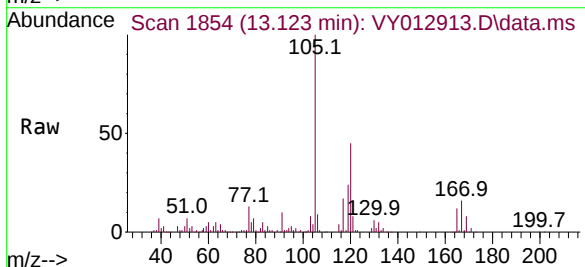
RT: 13.123 min Scan# 1854

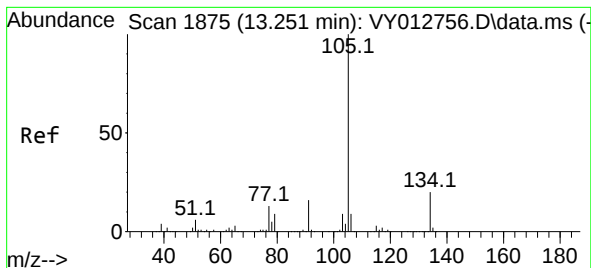
Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 68180 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 45.0  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 35.754 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

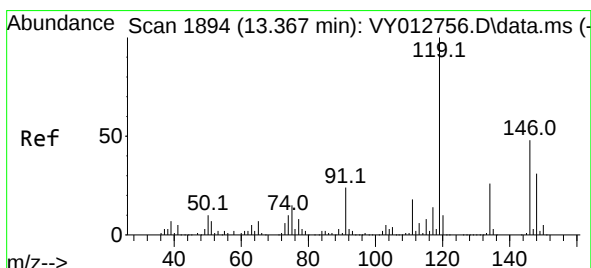
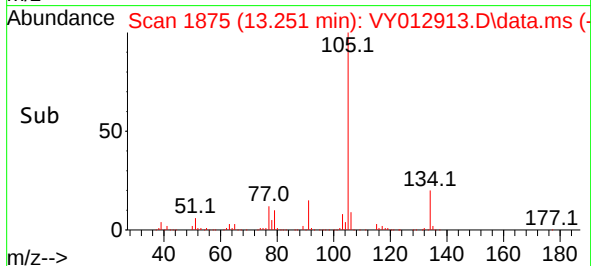
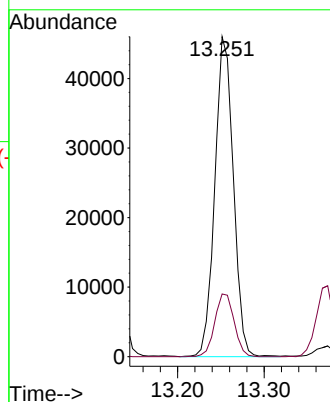
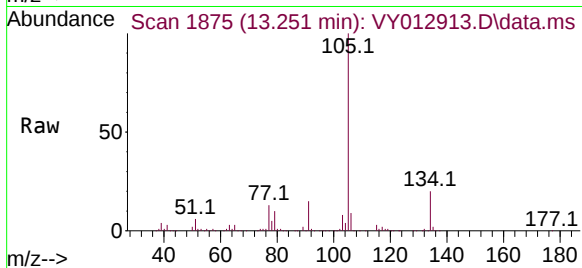
ClientSampleId :

Tgt Ion:105 Resp: 68406

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



#86

p-Isopropyltoluene

Concen: 35.279 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

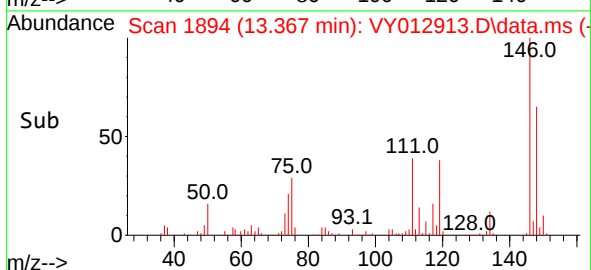
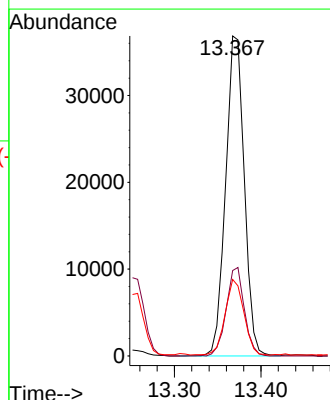
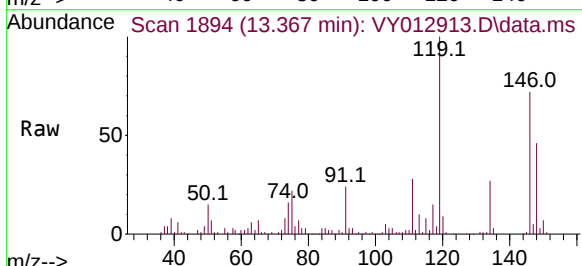
Tgt Ion:119 Resp: 55165

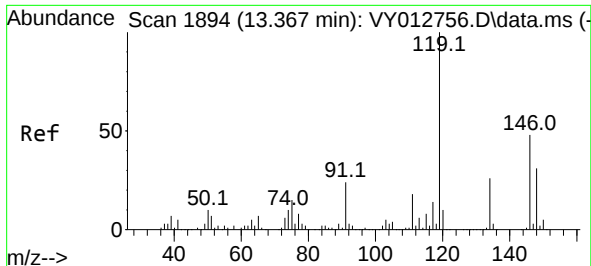
Ion Ratio Lower Upper

119 100

134 26.8 13.2 39.6

91 23.8 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 49.957 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

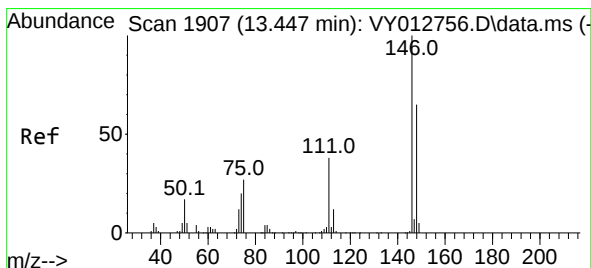
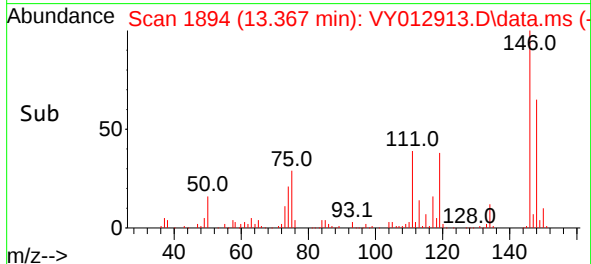
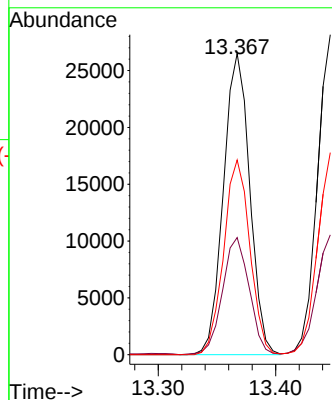
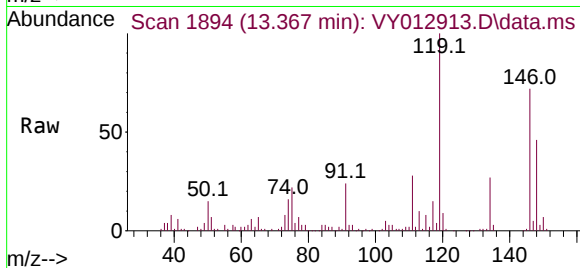
Tgt Ion:146 Resp: 41211

Ion Ratio Lower Upper

146 100

111 39.6 19.1 57.5

148 64.5 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 50.918 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

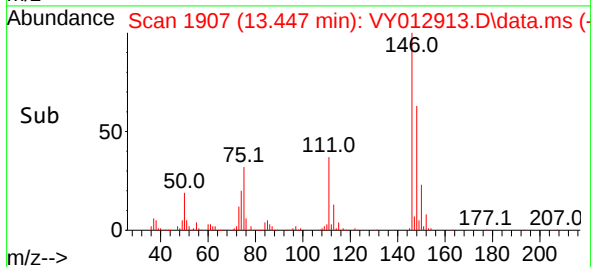
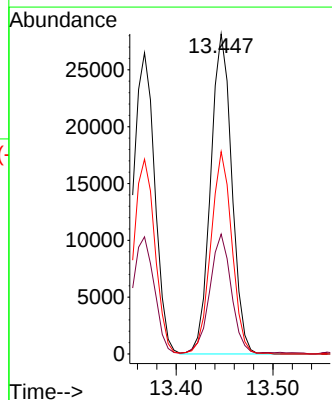
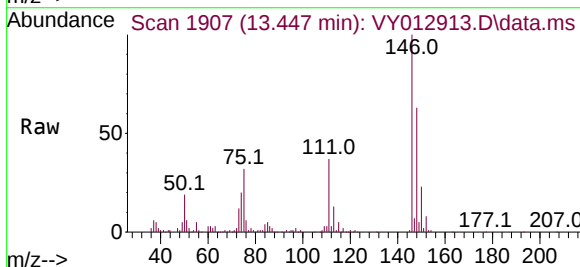
Tgt Ion:146 Resp: 42869

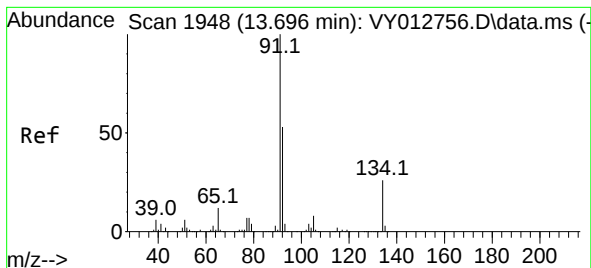
Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

148 63.0 31.5 94.5





#89

n-Butylbenzene

Concen: 28.218 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY012913.D

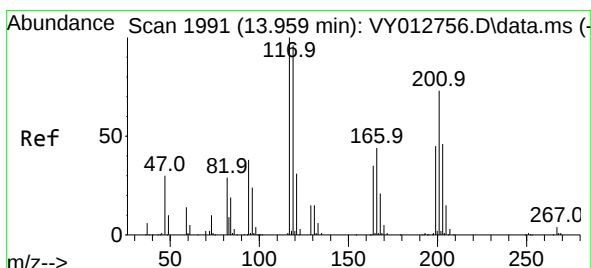
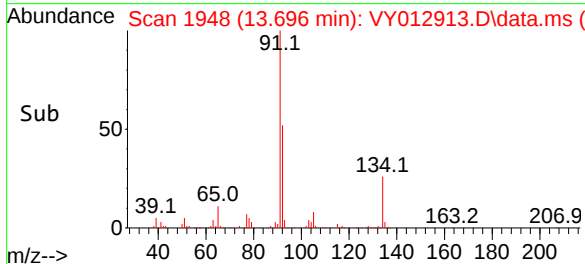
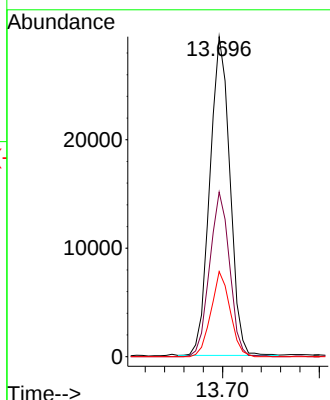
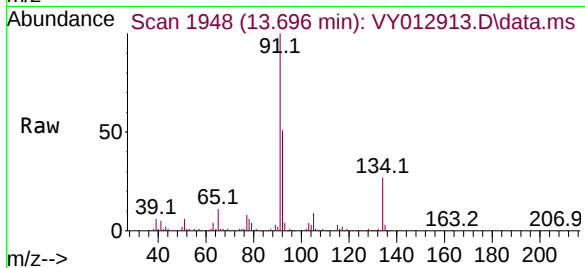
Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 42240 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 51.4  | 26.4  | 79.0  |
| 134      | 25.5  | 13.0  | 38.9  |



#90

Hexachloroethane

Concen: 34.593 ug/l

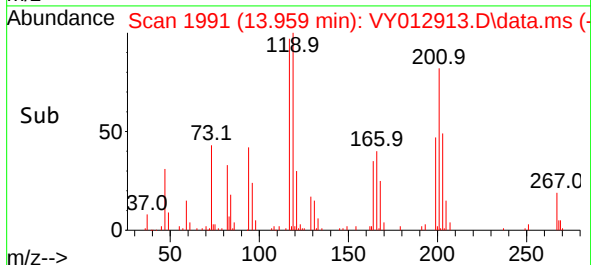
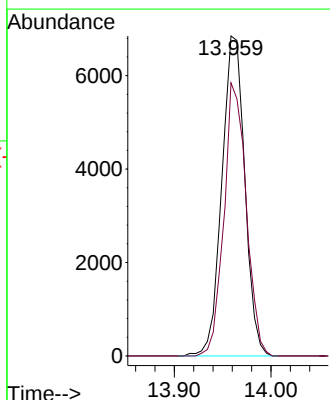
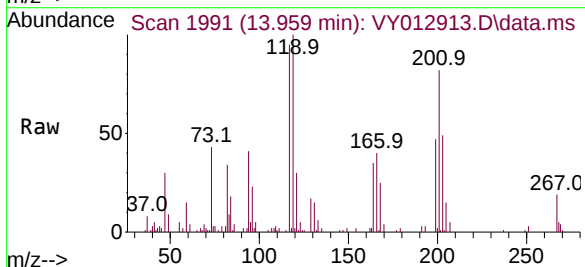
RT: 13.959 min Scan# 1991

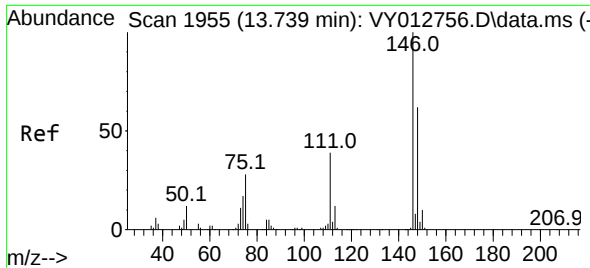
Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 11266 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 83.1  | 39.4  | 118.1 |

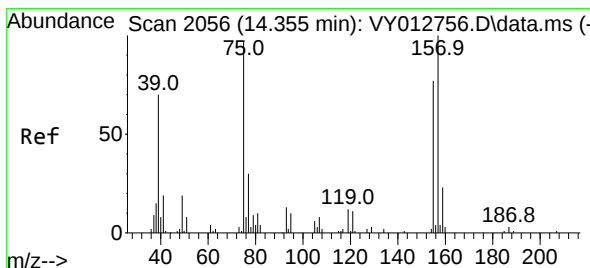
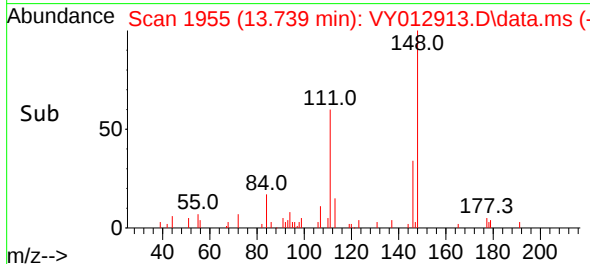
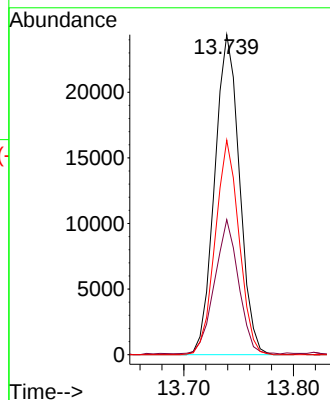
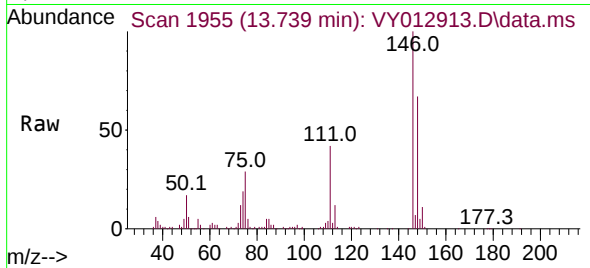




#91  
1,2-Dichlorobenzene  
Concen: 51.377 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

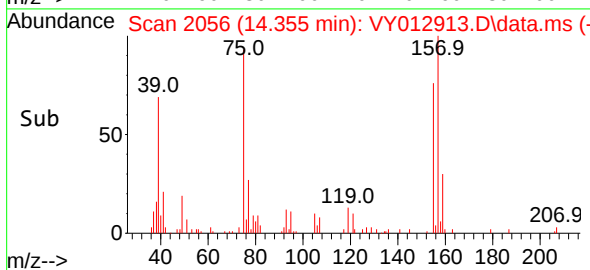
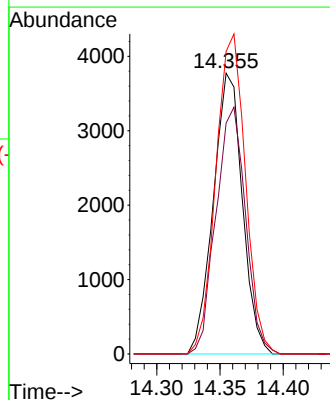
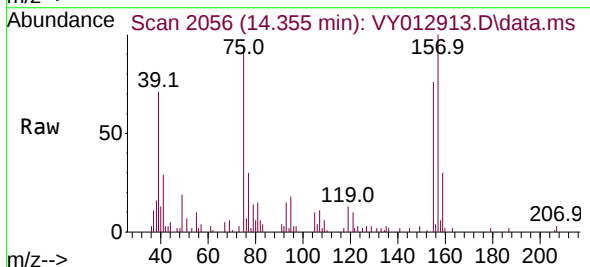
Instrument :  
MSVOA\_Y  
ClientSampleId :

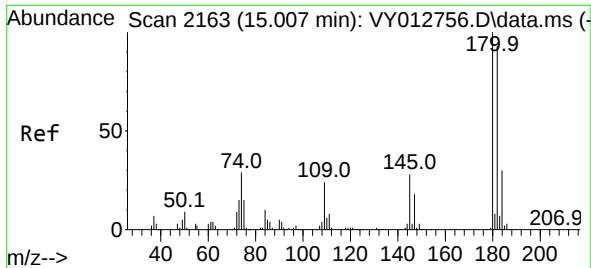
Tgt Ion:146 Resp: 38312  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.7 59.1  
148 64.4 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 94.303 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY012913.D  
Acq: 10 Mar 2023 12:09

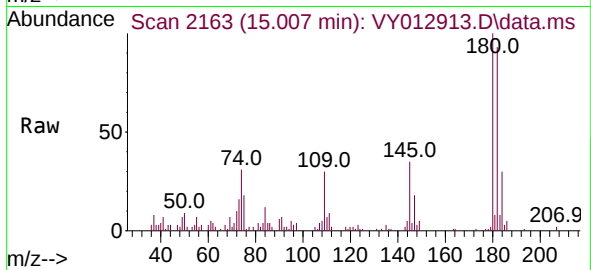
Tgt Ion: 75 Resp: 6032  
Ion Ratio Lower Upper  
75 100  
155 89.2 43.8 131.4  
157 115.5 54.1 162.3



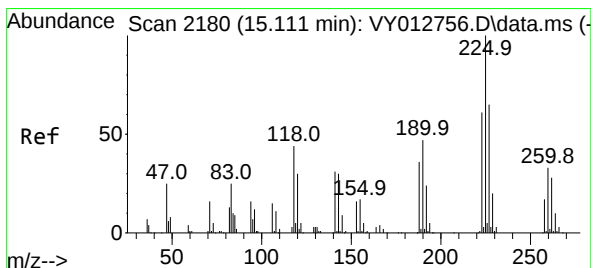
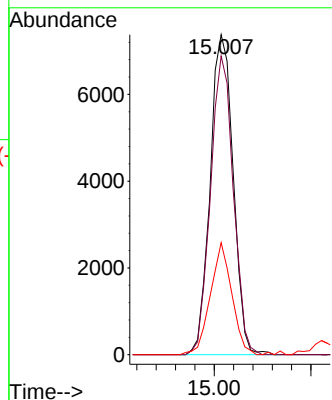
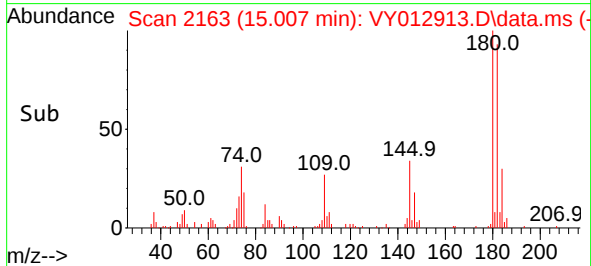


#93  
 1,2,4-Trichlorobenzene  
 Concen: 26.574 ug/l  
 RT: 15.007 min Scan# 2163  
 Delta R.T. 0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

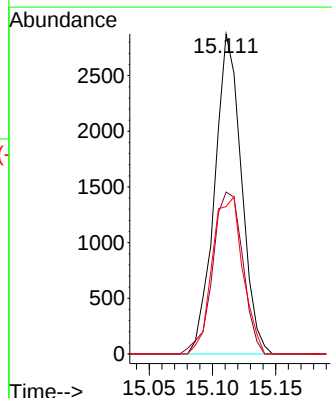
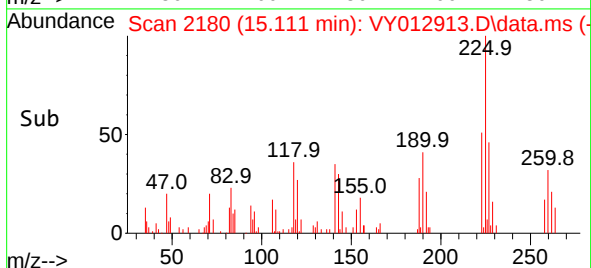
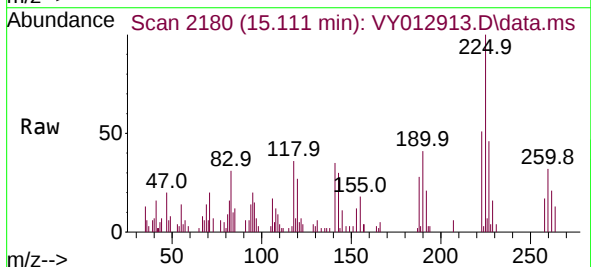


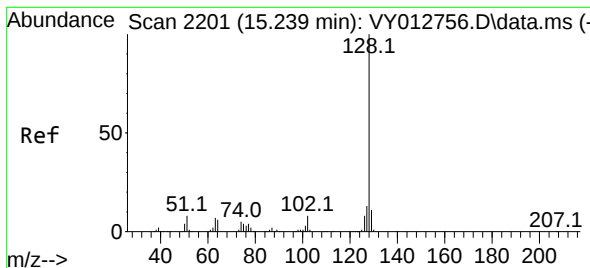
Tgt Ion:180 Resp: 12201  
 Ion Ratio Lower Upper  
 180 100  
 182 92.5 46.7 140.1  
 145 32.6 14.6 43.8



#94  
 Hexachlorobutadiene  
 Concen: 15.109 ug/l  
 RT: 15.111 min Scan# 2180  
 Delta R.T. 0.000 min  
 Lab File: VY012913.D  
 Acq: 10 Mar 2023 12:09

Tgt Ion:225 Resp: 4231  
 Ion Ratio Lower Upper  
 225 100  
 223 56.7 31.1 93.3  
 227 55.8 32.4 97.0





#95

Naphthalene

Concen: 43.904 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY012913.D

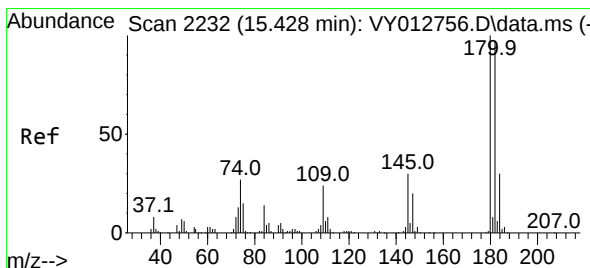
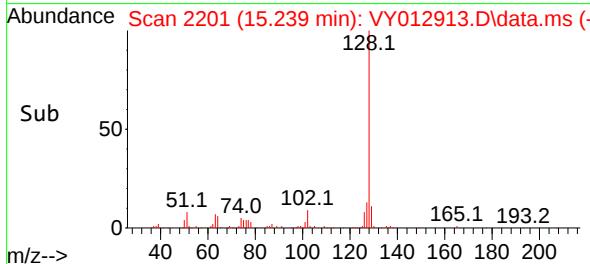
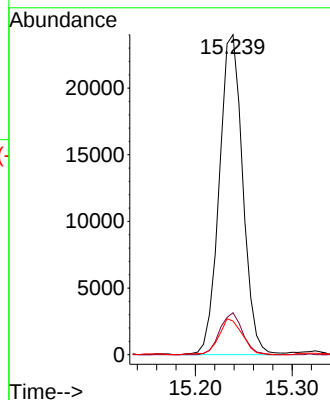
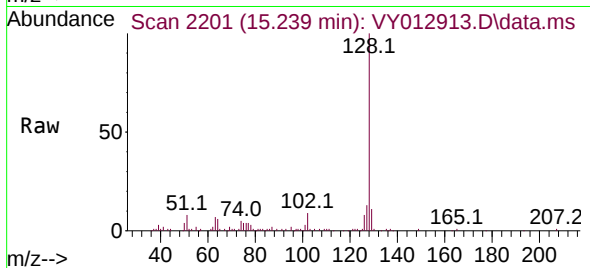
Acq: 10 Mar 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 40395     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.7  | 10.3 15.5 |
| 129         | 11.2  | 8.6 13.0  |



#96

1,2,3-Trichlorobenzene

Concen: 25.800 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY012913.D

Acq: 10 Mar 2023 12:09

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 10535      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.4  | 47.4 142.3 |
| 145         | 32.5  | 15.3 45.8  |

