

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062625\  
 Data File : VY022838.D  
 Acq On : 26 Jun 2025 10:07  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 27 01:23:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 469939   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 769006   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 661912   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 328091   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 254080   | 48.442   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.880%  |
| 35) Dibromofluoromethane    | 7.634  | 113   | 232400   | 49.693   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 99.380%  |
| 50) Toluene-d8              | 10.109 | 98    | 940249   | 50.666   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 101.340% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 300090   | 50.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 100.600% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 206568  | 51.404  | ug/l   | 98  |
| 3) Chloromethane             | 2.068 | 50  | 353307  | 46.043  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.202 | 62  | 460499  | 48.036  | ug/l   | 100 |
| 5) Bromomethane              | 2.599 | 94  | 357888  | 47.487  | ug/l   | 100 |
| 6) Chloroethane              | 2.739 | 64  | 313220  | 48.606  | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 508247  | 47.880  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.458 | 74  | 135208  | 51.571  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 256680  | 52.912  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.007 | 142 | 301590  | 57.101  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 4.866 | 59  | 85824   | 246.087 | ug/l # | 89  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 255939  | 53.806  | ug/l   | 95  |
| 13) Acrolein                 | 3.653 | 56  | 104439  | 220.841 | ug/l   | 98  |
| 14) Allyl chloride           | 4.385 | 41  | 388163  | 53.054  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.061 | 53  | 288335  | 263.590 | ug/l   | 99  |
| 16) Acetone                  | 3.873 | 43  | 306722  | 309.400 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.104 | 76  | 806178  | 52.463  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.385 | 43  | 151633  | 46.187  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 688340  | 53.146  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.616 | 84  | 298100  | 47.615  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 285710  | 52.555  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.019 | 45  | 860036  | 52.931  | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.964 | 43  | 2459058 | 274.030 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 513990  | 52.371  | ug/l   | 100 |
| 25) 2-Butanone               | 6.897 | 43  | 405113  | 280.777 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 459141  | 55.810  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 328556  | 52.011  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.250 | 49  | 200406  | 48.571  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 238399  | 261.671 | ug/l   | 98  |
| 30) Chloroform               | 7.421 | 83  | 521746  | 51.615  | ug/l   | 95  |
| 31) Cyclohexane              | 7.701 | 56  | 470140  | 52.186  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 466531  | 53.408  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 391427  | 55.218  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.982 | 43  | 162014  | 52.964  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 415697  | 55.577  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.110 | 83  | 522205  | 56.925  | ug/l   | 99  |
| 40) Benzene                  | 8.079 | 78  | 1183917 | 54.321  | ug/l   | 100 |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jun 27 01:23:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 24 08:29:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 96382    | 51.181  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 315659   | 52.853  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 340233   | 53.516  | ug/l   | 96       |
| 44) Trichloroethene           | 8.866  | 130  | 296233   | 54.136  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 274781   | 53.869  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 153162   | 52.894  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.420  | 83   | 401117   | 53.719  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 167209   | 54.709  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 33487    | 978.838 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 893909   | 276.686 | ug/l   | 95       |
| 52) Toluene                   | 10.170 | 92   | 766754   | 55.764  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 368690   | 54.879  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 425968   | 54.683  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 201347   | 53.699  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 278542   | 55.216  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 350193   | 53.531  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 628770   | 237.953 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 632583   | 287.993 | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.914 | 129  | 259888   | 53.660  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 188622   | 53.758  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.646 | 164  | 341651   | 54.637  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.444 | 112  | 798031   | 54.869  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 266269   | 54.051  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 1450784  | 56.773  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 1130504  | 114.443 | ug/l   | 100      |
| 69) o-Xylene                  | 11.957 | 106  | 528318   | 56.760  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 892986   | 57.275  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 145434   | 53.020  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1395939  | 57.530  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 314738   | 57.788  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 209366   | 53.537  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 305460   | 91.195  | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 303301   | 55.147  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.597 | 91   | 1691562  | 57.741  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 926101   | 55.952  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1127520  | 57.562  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 73835    | 55.690  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.774 | 91   | 966445   | 55.588  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 1003847  | 58.110  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1119232  | 57.071  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1510693  | 58.122  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1248531  | 57.724  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 608907   | 55.125  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 595323   | 54.257  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 1174277  | 57.717  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 233648   | 54.236  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.658 | 146  | 526588   | 54.097  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 33111    | 49.928  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 280703   | 51.074  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 156322   | 50.299  | ug/l   | 98       |
| 95) Naphthalene               | 15.139 | 128  | 518379   | 52.158  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 233613   | 49.190  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Jun 27 01:23:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062325S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 24 08:29:52 2025  
Response via : Initial Calibration

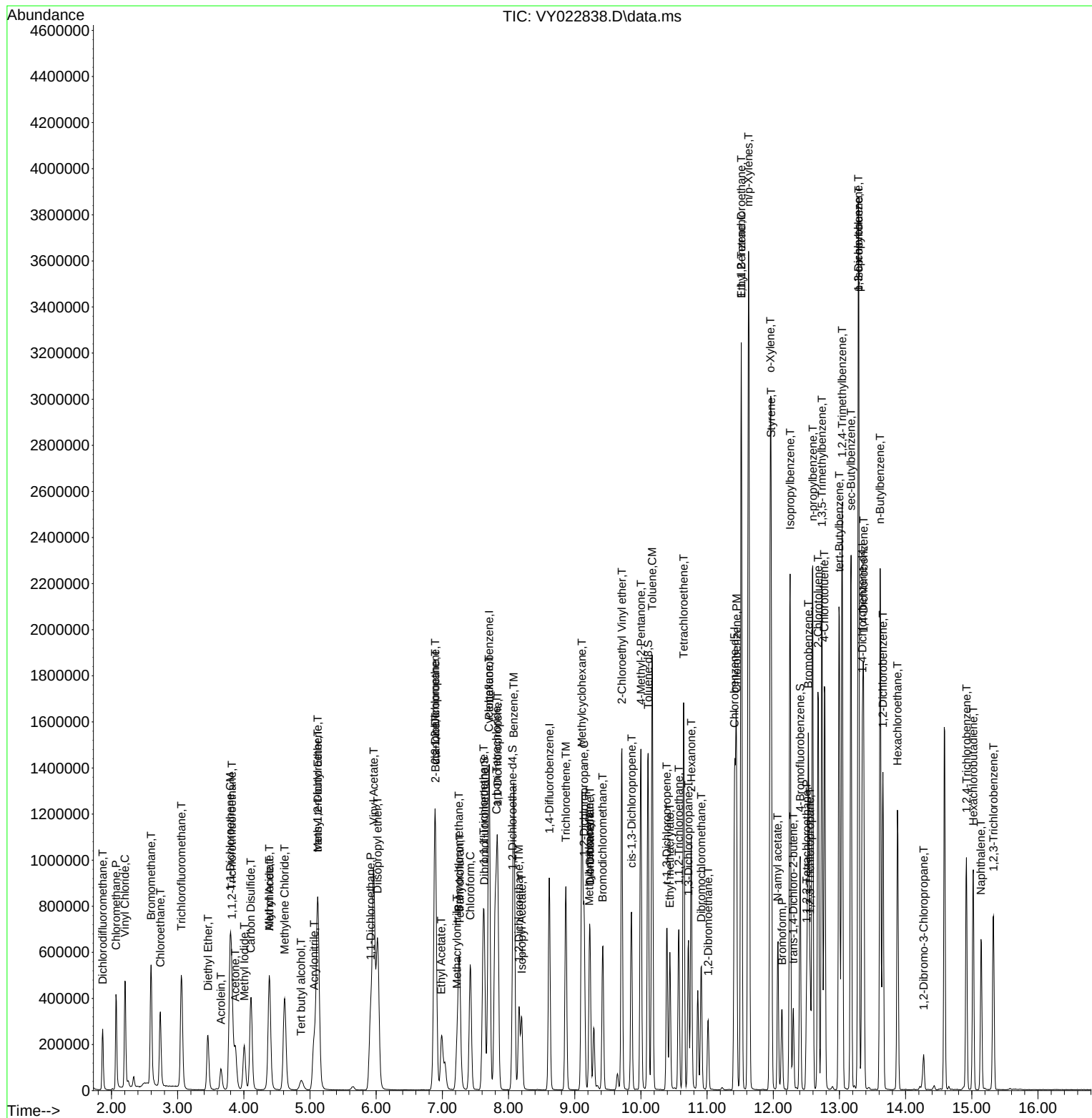
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

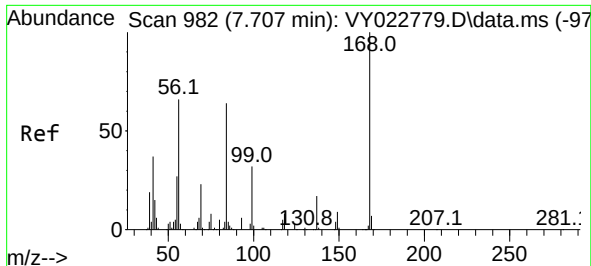
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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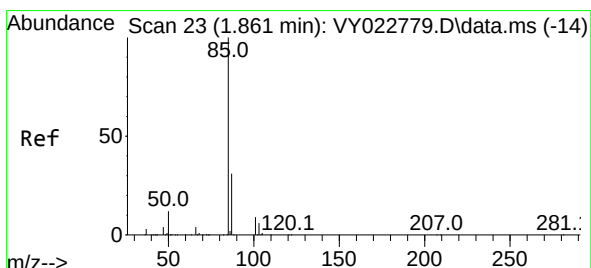
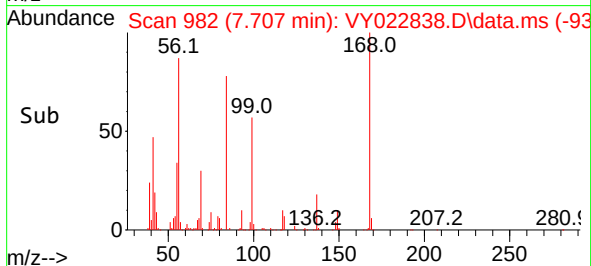
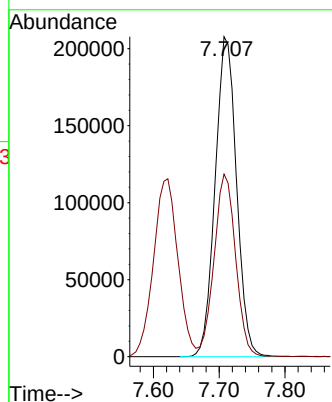
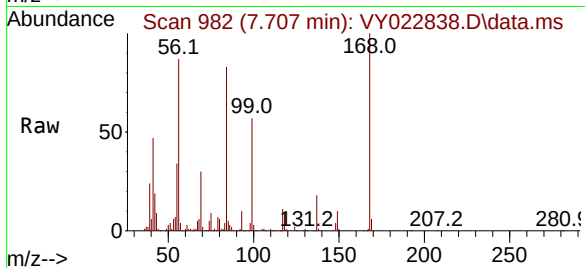




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

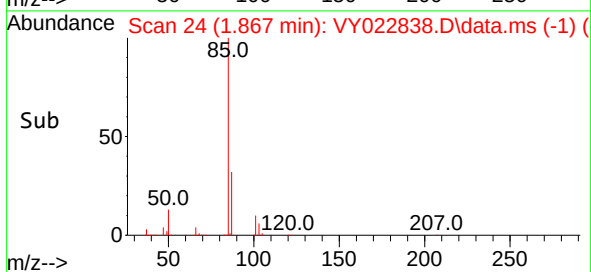
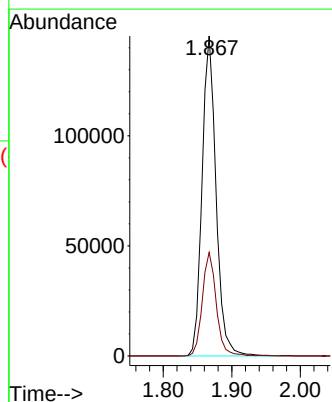
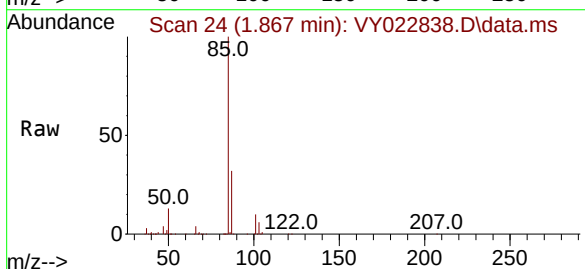
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

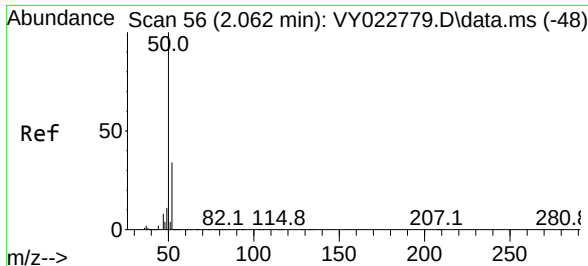
Tgt Ion:168 Resp: 469939  
Ion Ratio Lower Upper  
168 100  
99 57.0 44.3 66.5



#2  
Dichlorodifluoromethane  
Concen: 51.404 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 85 Resp: 206568  
Ion Ratio Lower Upper  
85 100  
87 32.4 16.7 50.0

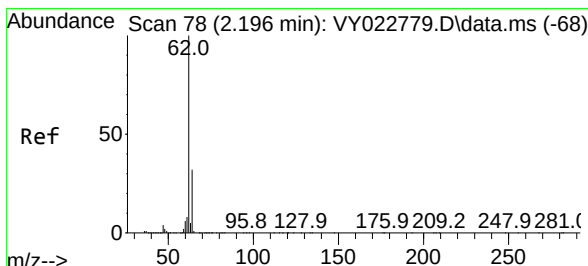
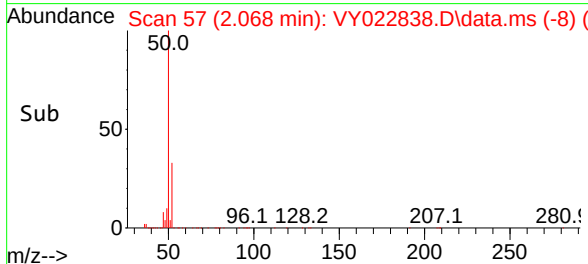
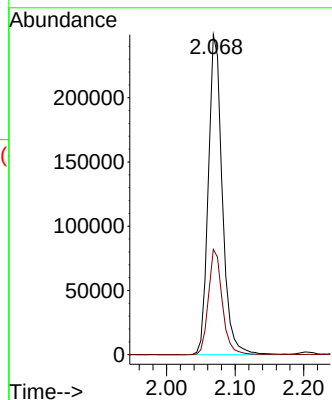
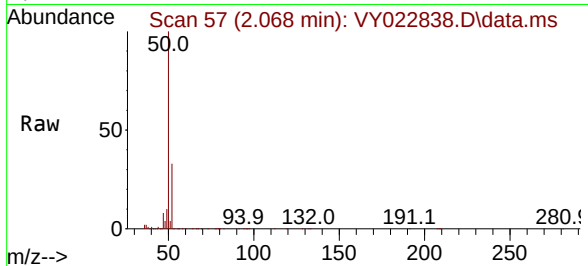




#3  
Chloromethane  
Concen: 46.043 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

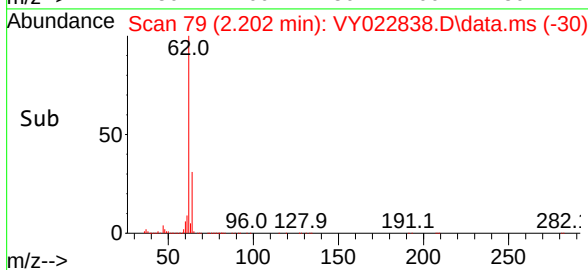
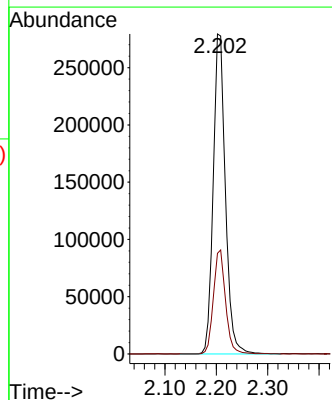
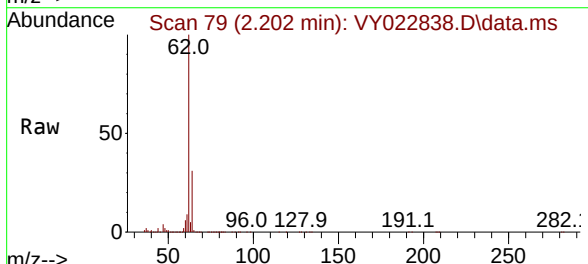
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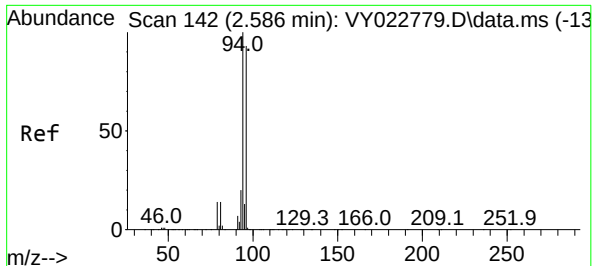
Tgt Ion: 50 Resp: 353307  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.0 39.0



#4  
Vinyl Chloride  
Concen: 48.036 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 62 Resp: 460499  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.3 37.9

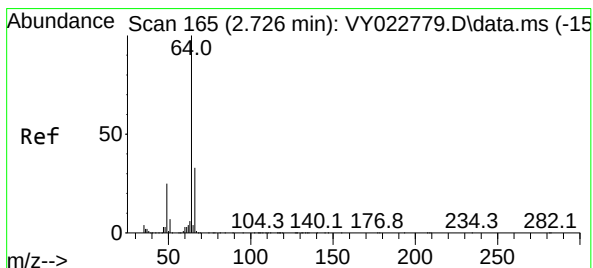
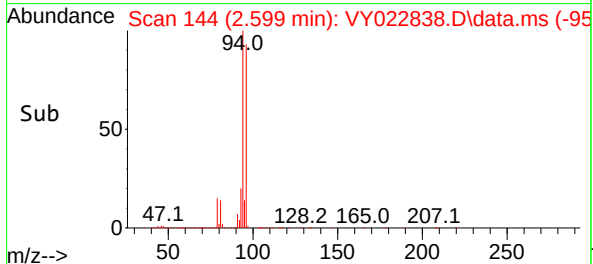
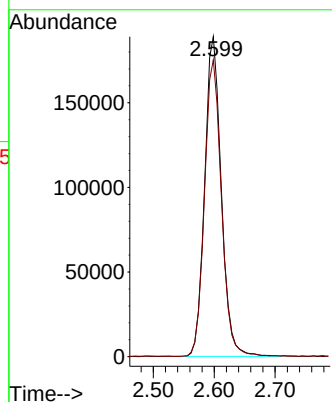
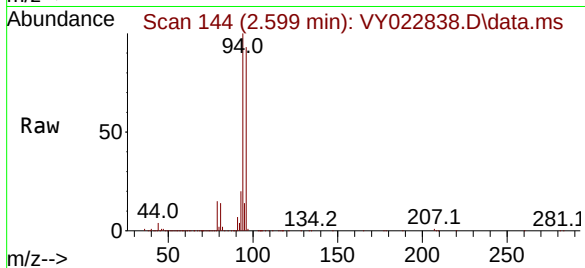




#5  
Bromomethane  
Concen: 47.487 ug/l  
RT: 2.599 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

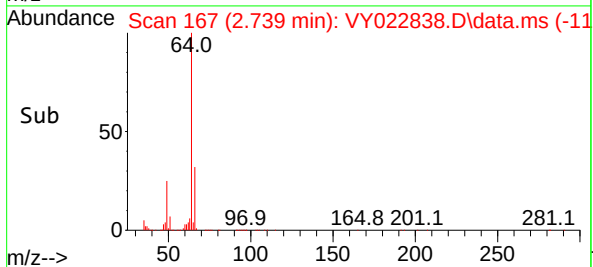
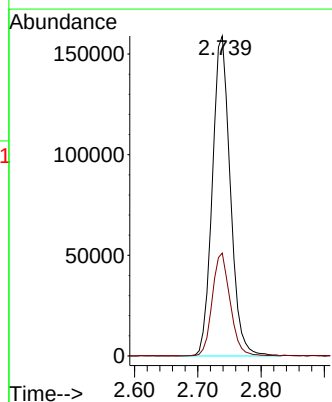
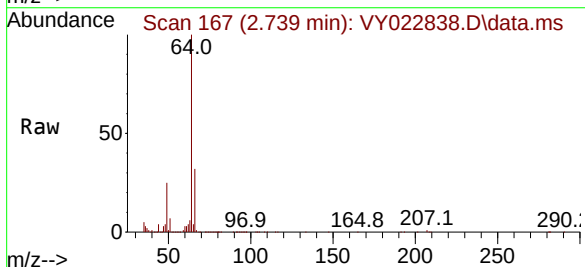
Instrument :  
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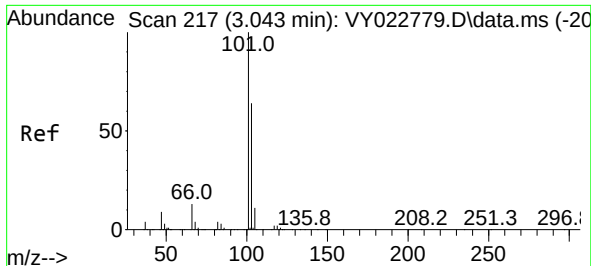
Tgt Ion: 94 Resp: 357888  
Ion Ratio Lower Upper  
94 100  
96 92.7 74.0 111.0



#6  
Chloroethane  
Concen: 48.606 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 64 Resp: 313220  
Ion Ratio Lower Upper  
64 100  
66 32.1 23.8 35.6

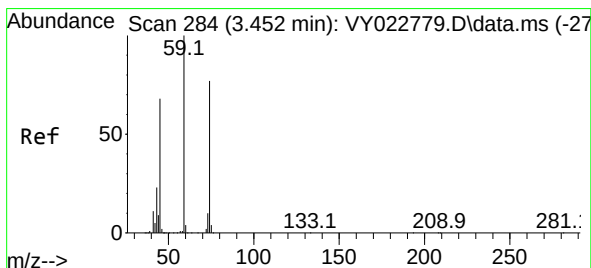
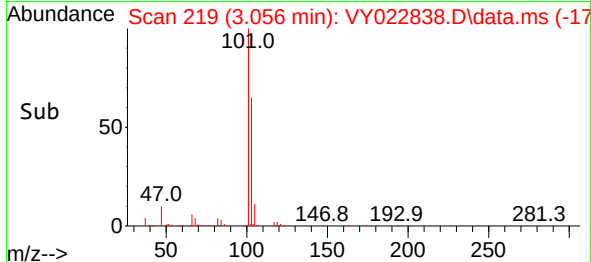
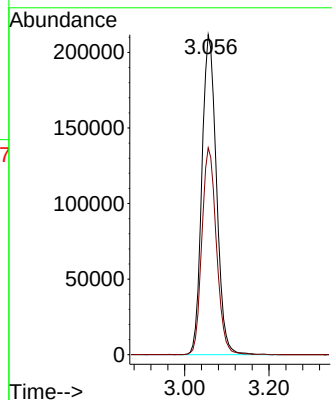
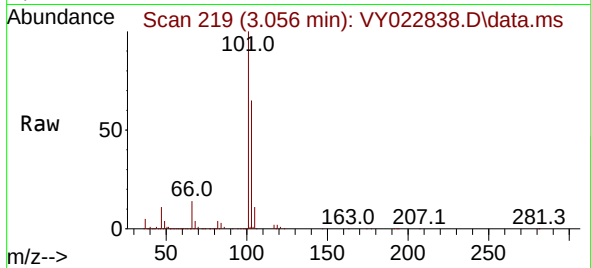




#7  
Trichlorofluoromethane  
Concen: 47.880 ug/l  
RT: 3.056 min Scan# 217  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

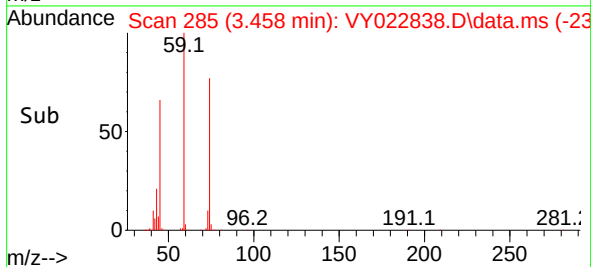
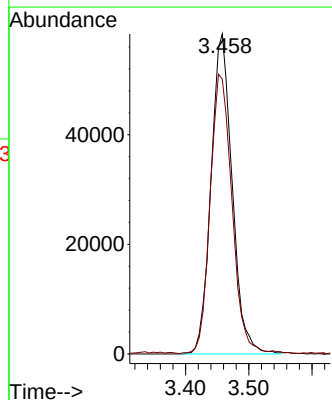
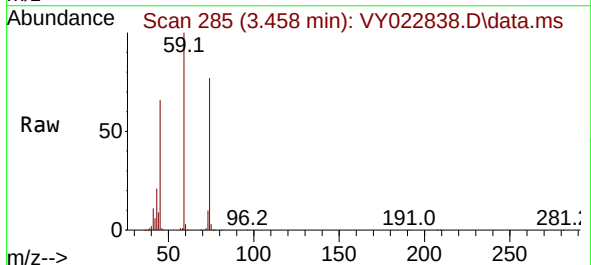
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:101 Resp: 508247  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.2 78.2

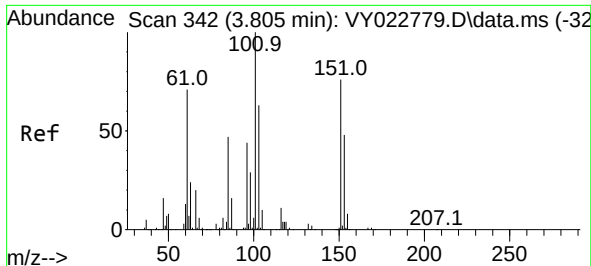


#8  
Diethyl Ether  
Concen: 51.571 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 74 Resp: 135208  
Ion Ratio Lower Upper  
74 100  
45 89.6 45.9 137.6



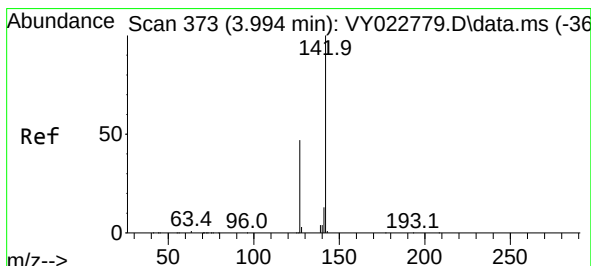
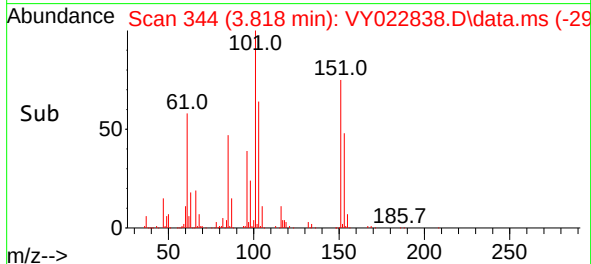
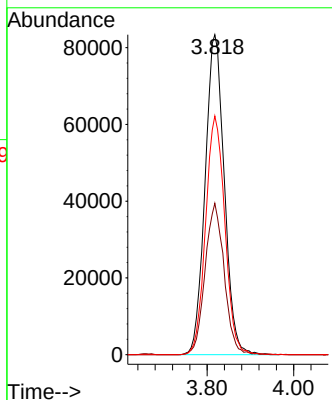
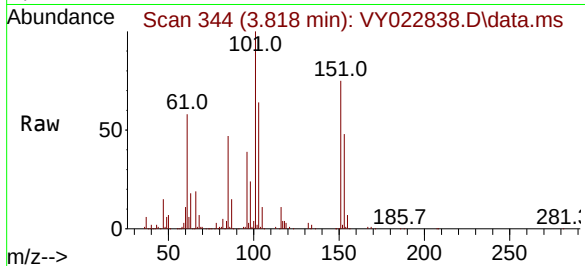




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.912 ug/l  
RT: 3.818 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

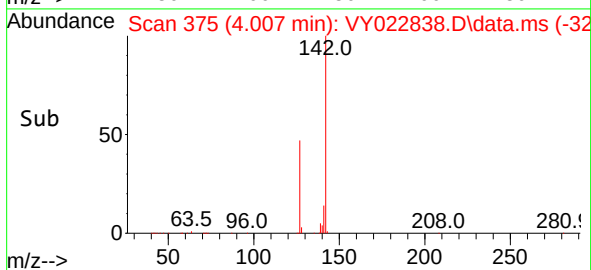
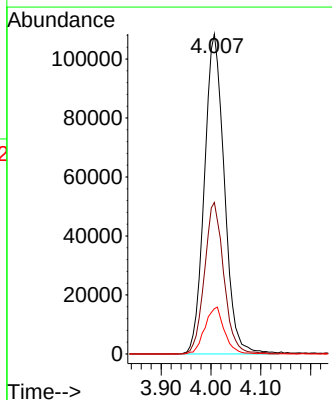
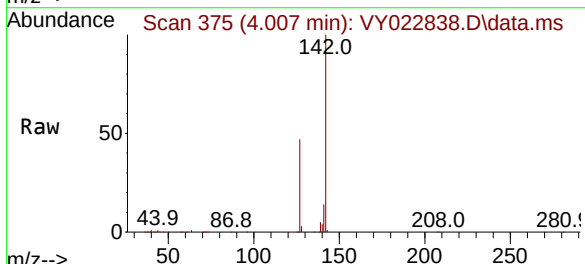
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

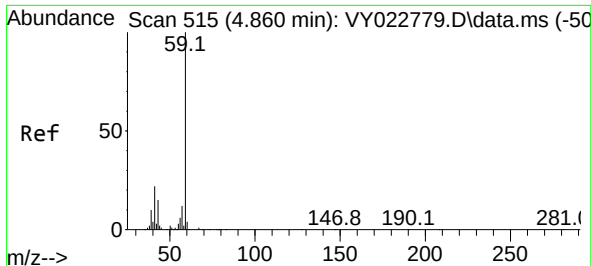
Tgt Ion:101 Resp: 256680  
Ion Ratio Lower Upper  
101 100  
85 47.2 39.3 58.9  
151 74.8 57.8 86.8



#10  
Methyl Iodide  
Concen: 57.101 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion:142 Resp: 301590  
Ion Ratio Lower Upper  
142 100  
127 46.1 37.1 55.7  
141 14.4 11.4 17.2

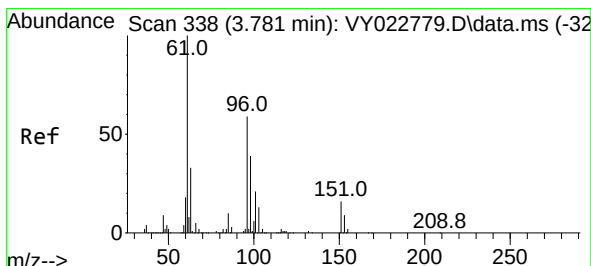
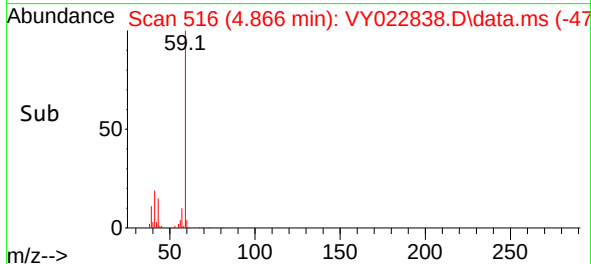
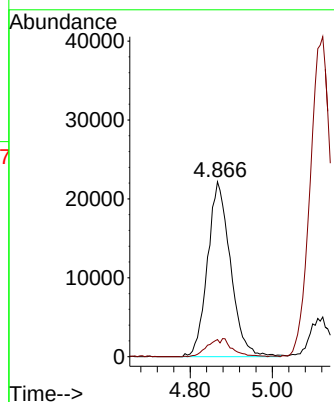
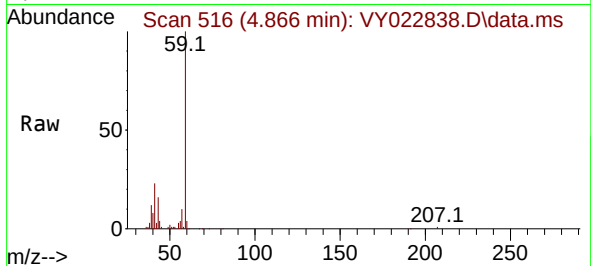




#11  
Tert butyl alcohol  
Concen: 246.087 ug/l  
RT: 4.866 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

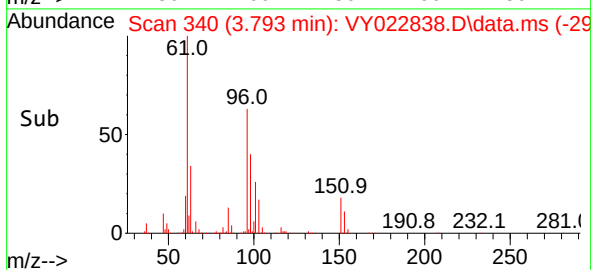
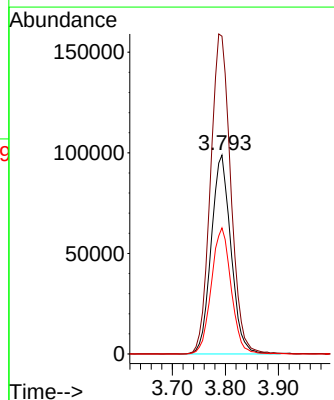
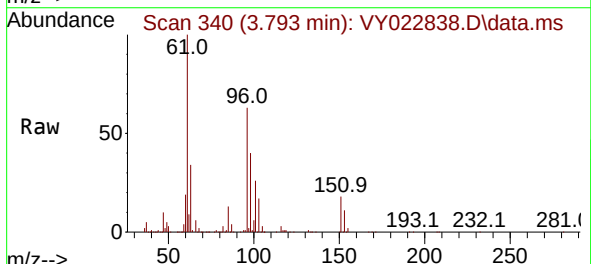
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

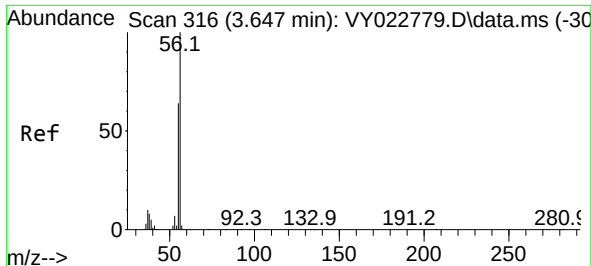
Tgt Ion: 59 Resp: 85824  
Ion Ratio Lower Upper  
59 100  
57 5.9 8.0 12.0#



#12  
1,1-Dichloroethene  
Concen: 53.806 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 96 Resp: 255939  
Ion Ratio Lower Upper  
96 100  
61 159.8 134.6 201.8  
98 63.4 50.2 75.4

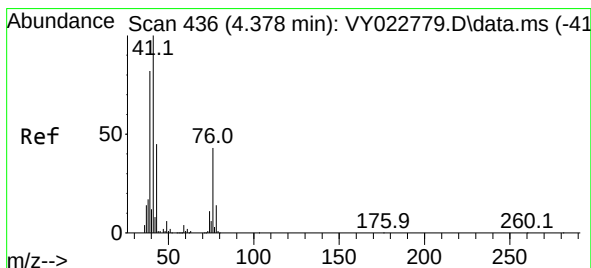
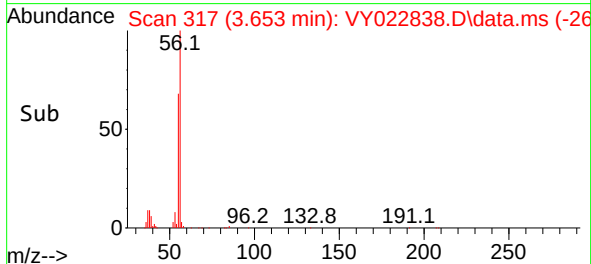
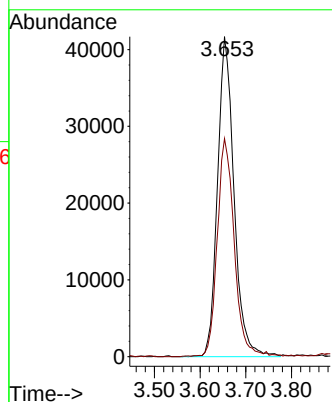
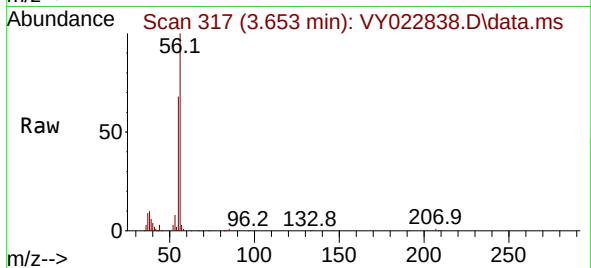




#13  
Acrolein  
Concen: 220.841 ug/l  
RT: 3.653 min Scan# 316  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

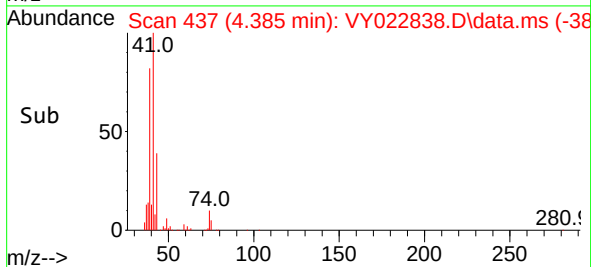
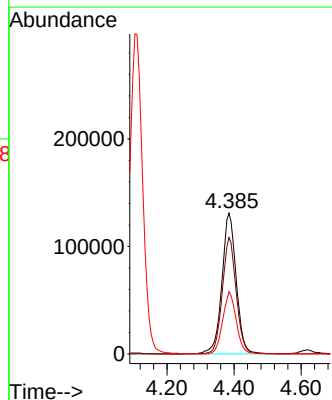
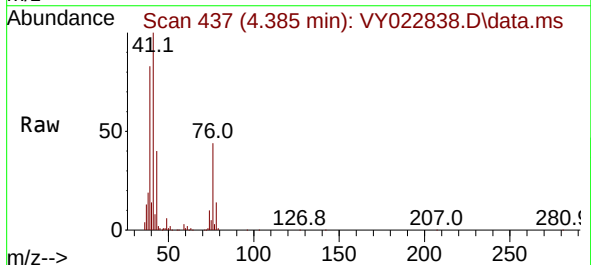
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

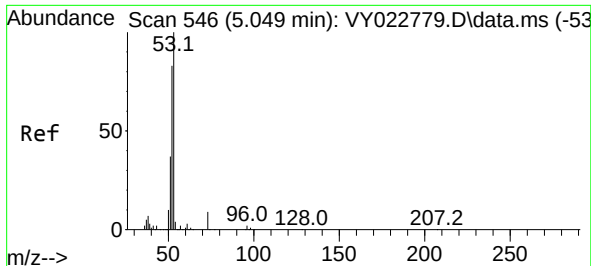
Tgt Ion: 56 Resp: 104439  
Ion Ratio Lower Upper  
56 100  
55 69.9 57.0 85.6



#14  
Allyl chloride  
Concen: 53.054 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 41 Resp: 388163  
Ion Ratio Lower Upper  
41 100  
39 80.1 69.1 103.7  
76 41.4 33.5 50.3

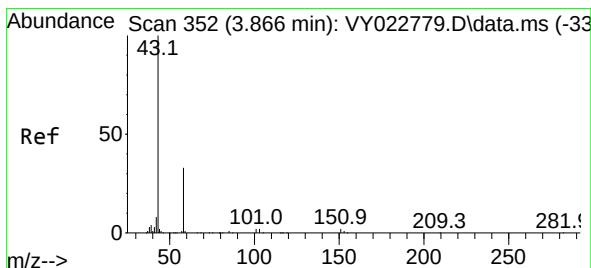
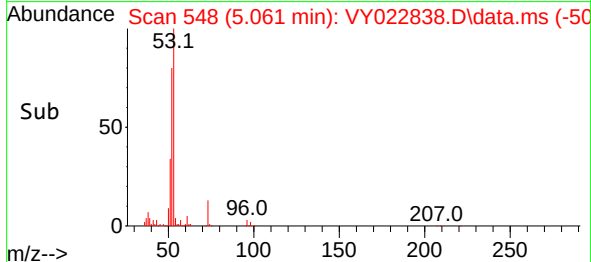
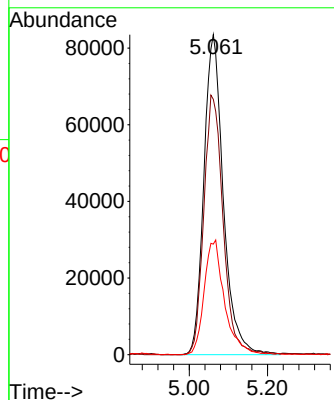
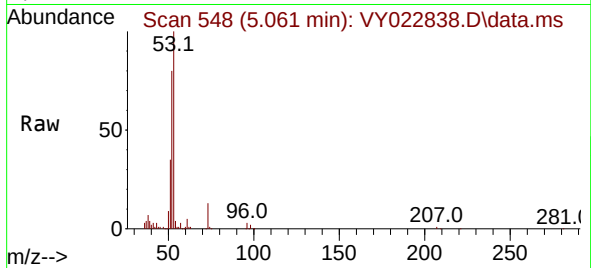




#15  
Acrylonitrile  
Concen: 263.590 ug/l  
RT: 5.061 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

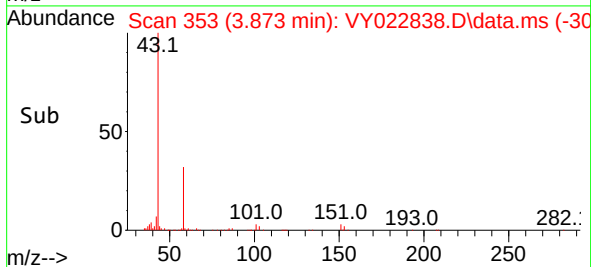
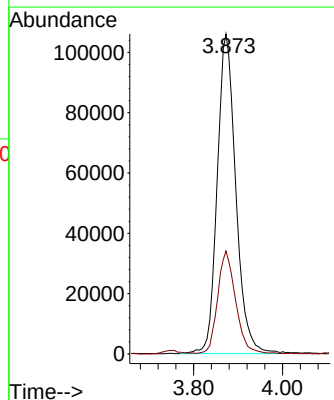
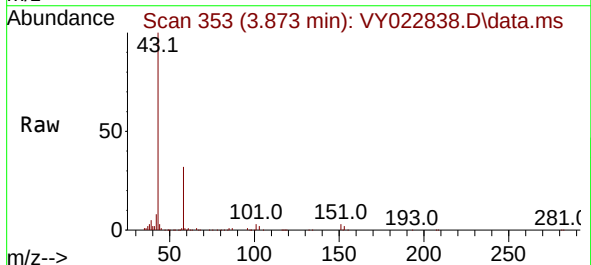
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

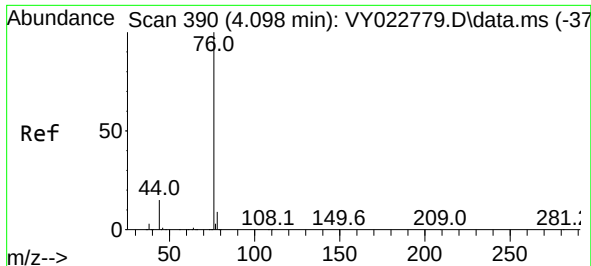
Tgt Ion: 53 Resp: 288335  
Ion Ratio Lower Upper  
53 100  
52 80.5 65.7 98.5  
51 37.5 30.1 45.1



#16  
Acetone  
Concen: 309.400 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 43 Resp: 306722  
Ion Ratio Lower Upper  
43 100  
58 32.0 24.0 36.0

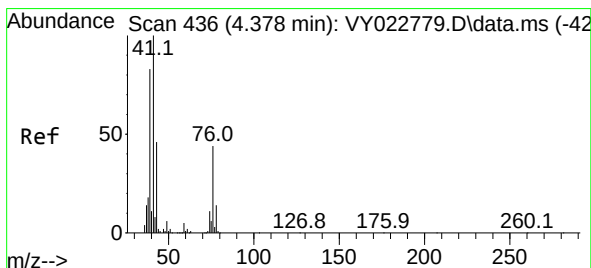
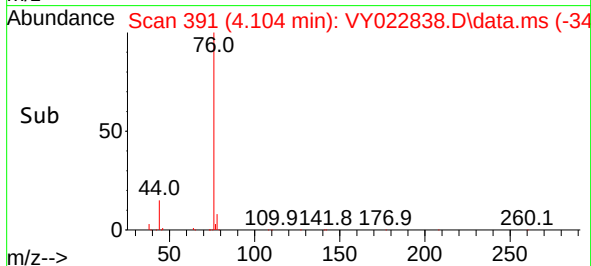
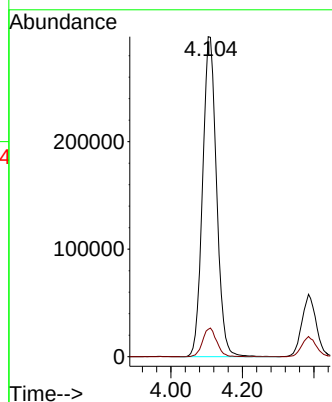
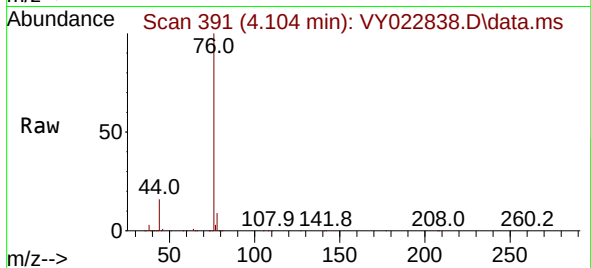




#17  
Carbon Disulfide  
Concen: 52.463 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

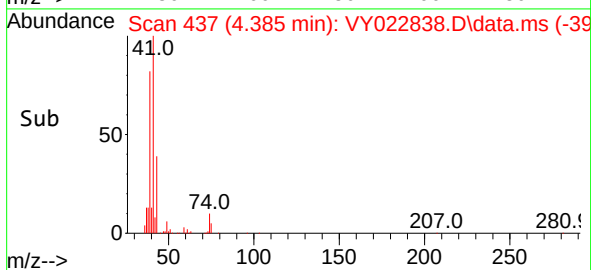
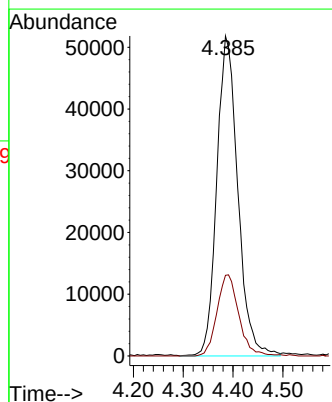
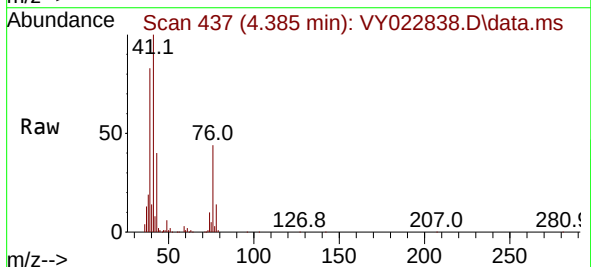
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

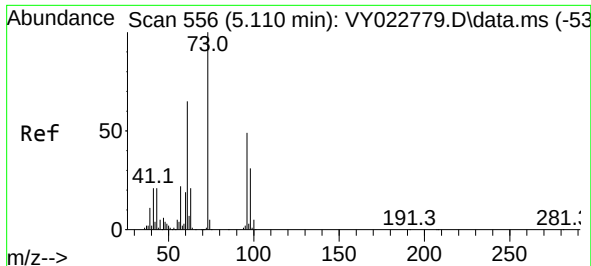
Tgt Ion: 76 Resp: 806178  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.4 11.2



#18  
Methyl Acetate  
Concen: 46.187 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. -0.012 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 43 Resp: 151633  
Ion Ratio Lower Upper  
43 100  
74 26.3 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 53.146 ug/l

RT: 5.116 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

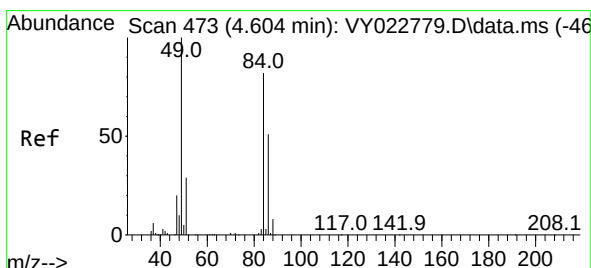
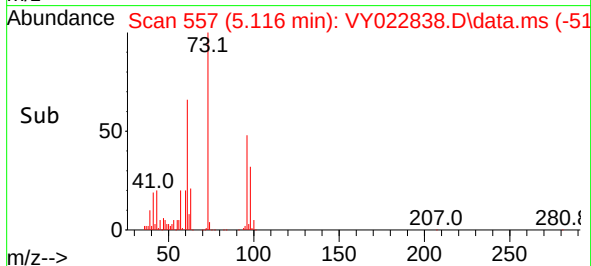
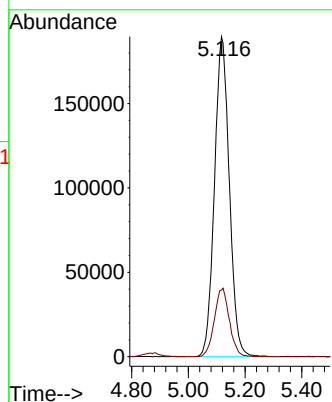
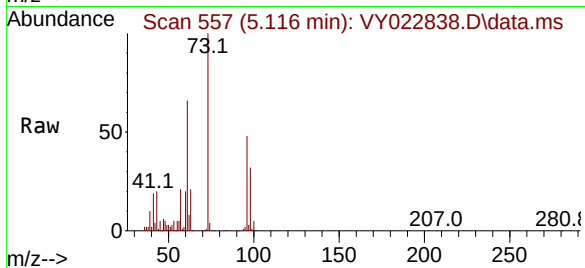
VSTDCCC050

Tgt Ion: 73 Resp: 688340

Ion Ratio Lower Upper

73 100

57 20.8 17.4 26.0



#20

Methylene Chloride

Concen: 47.615 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Tgt Ion: 84 Resp: 298100

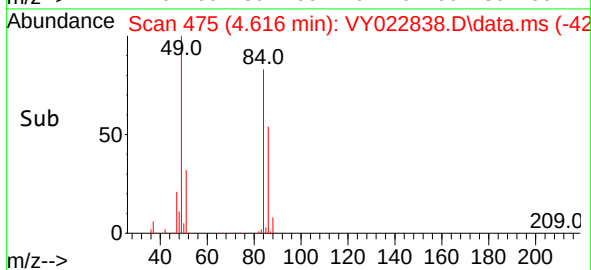
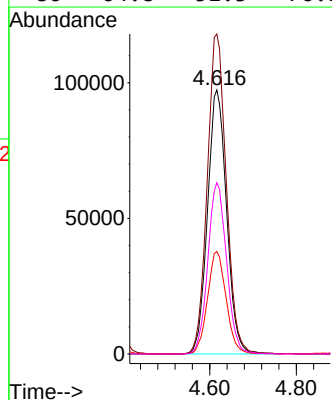
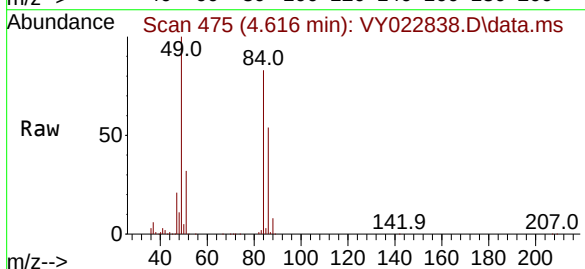
Ion Ratio Lower Upper

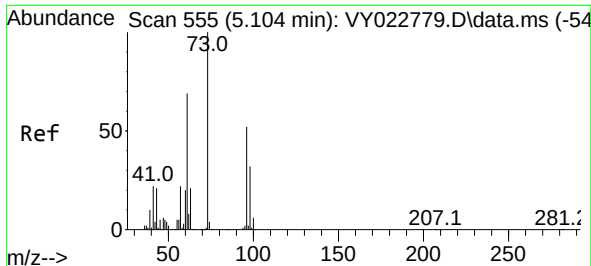
84 100

49 121.2 101.9 152.9

51 38.8 29.8 44.8

86 64.8 51.3 76.9

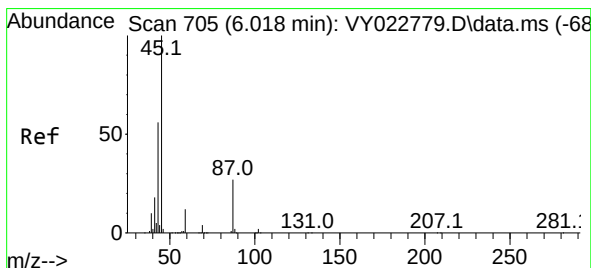
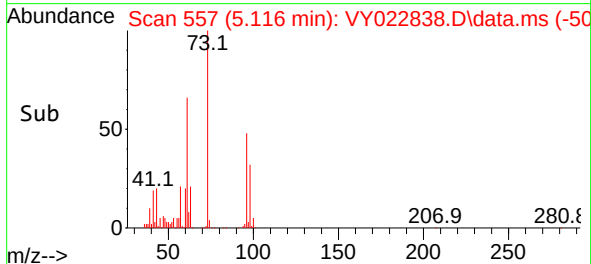
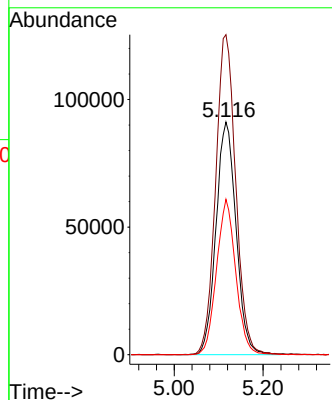
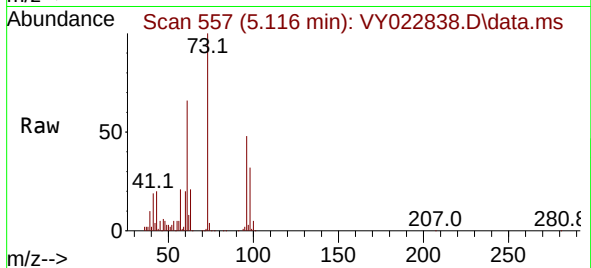




#21  
trans-1,2-Dichloroethene  
Concen: 52.555 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

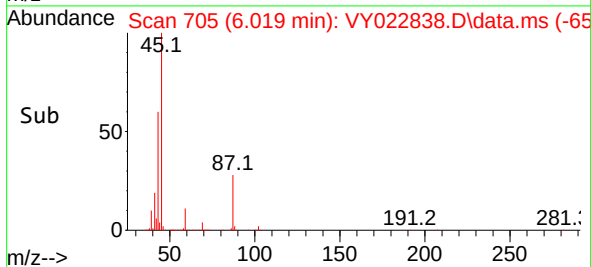
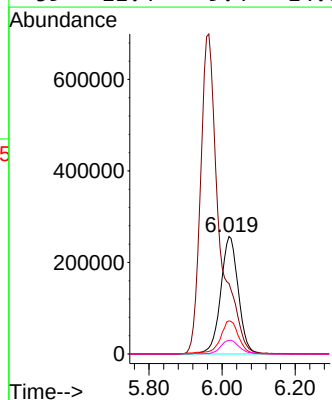
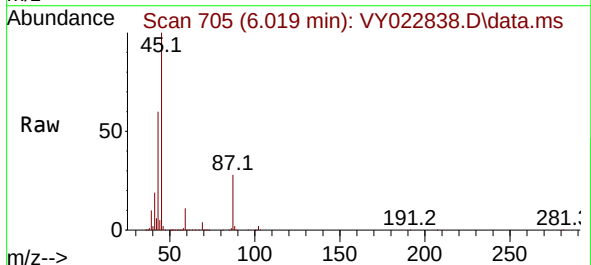
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

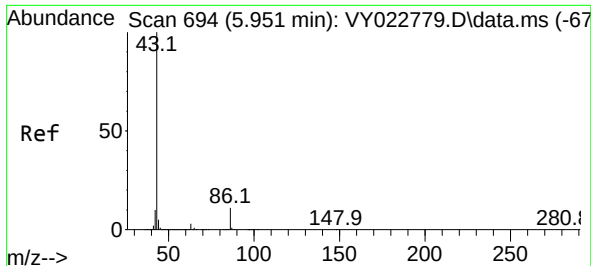
Tgt Ion: 96 Resp: 285710  
Ion Ratio Lower Upper  
96 100  
61 137.5 112.6 169.0  
98 66.8 50.6 75.8



#22  
Diisopropyl ether  
Concen: 52.931 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 45 Resp: 860036  
Ion Ratio Lower Upper  
45 100  
43 60.1 48.3 72.5  
87 28.2 23.0 34.6  
59 11.4 9.4 14.0

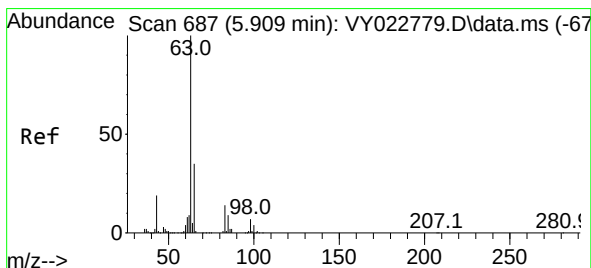
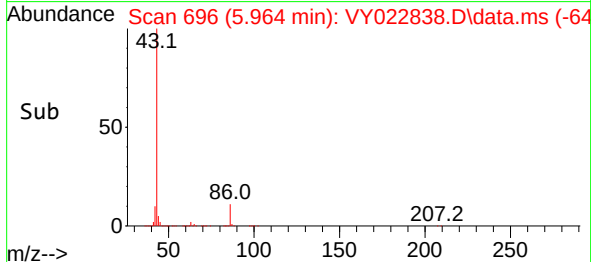
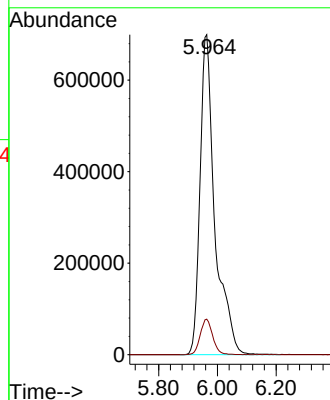
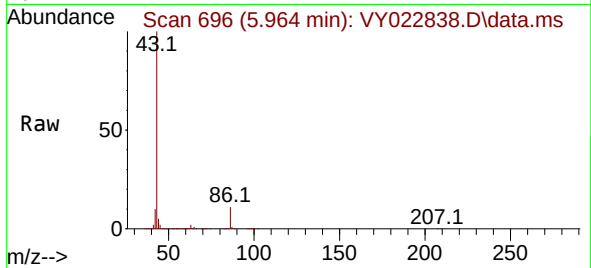




#23  
 Vinyl Acetate  
 Concen: 274.030 ug/l  
 RT: 5.964 min Scan# 694  
 Delta R.T. -0.006 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

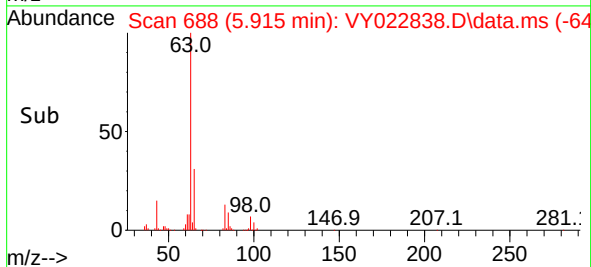
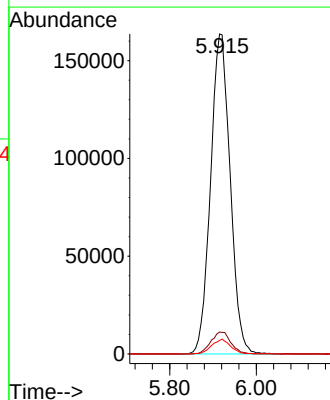
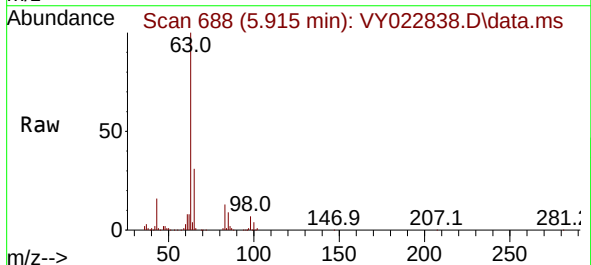
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 43 Resp: 2459058  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.6 12.8

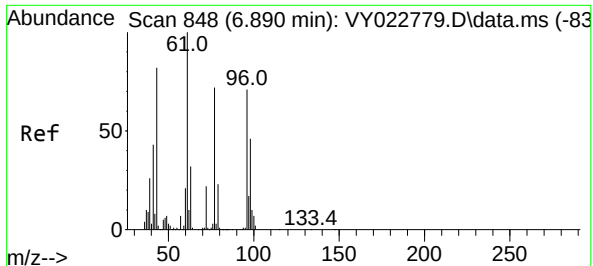


#24  
 1,1-Dichloroethane  
 Concen: 52.371 ug/l  
 RT: 5.915 min Scan# 688  
 Delta R.T. -0.006 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

Tgt Ion: 63 Resp: 513990  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.4 10.1  
 100 4.3 2.1 6.3



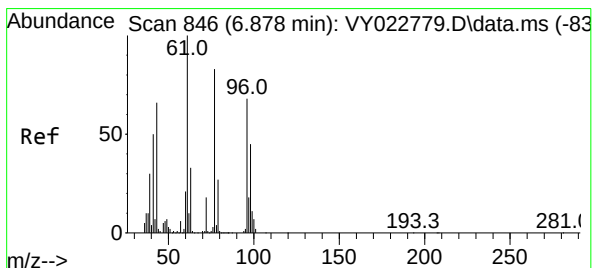
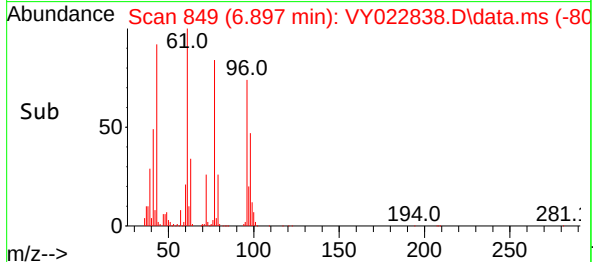
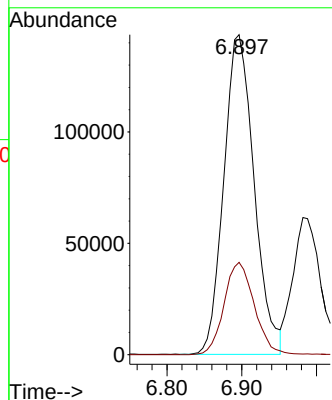
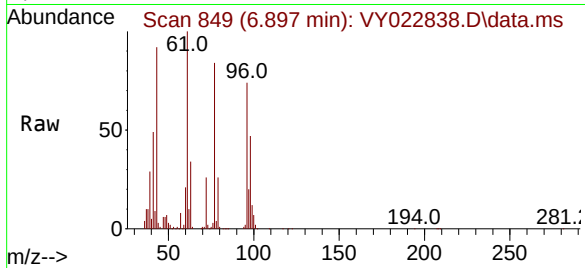




#25  
2-Butanone  
Concen: 280.777 ug/l  
RT: 6.897 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

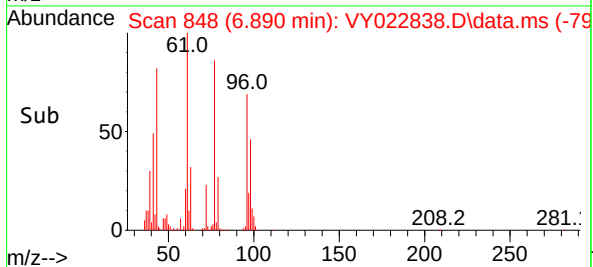
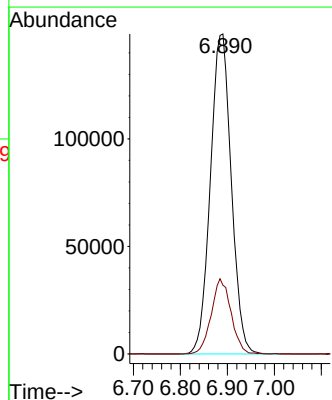
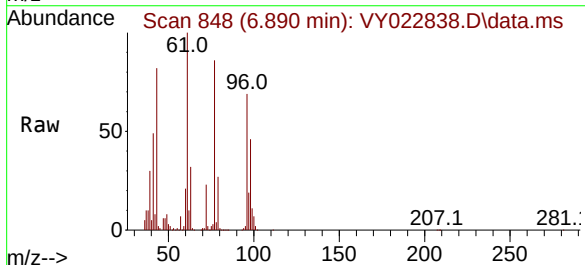
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

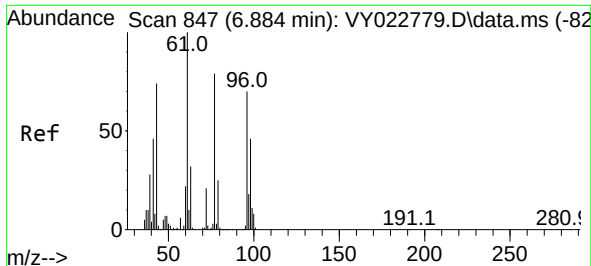
Tgt Ion: 43 Resp: 405113  
Ion Ratio Lower Upper  
43 100  
72 28.9 22.9 34.3



#26  
2,2-Dichloropropane  
Concen: 55.810 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 77 Resp: 459141  
Ion Ratio Lower Upper  
77 100  
97 22.2 11.4 34.2

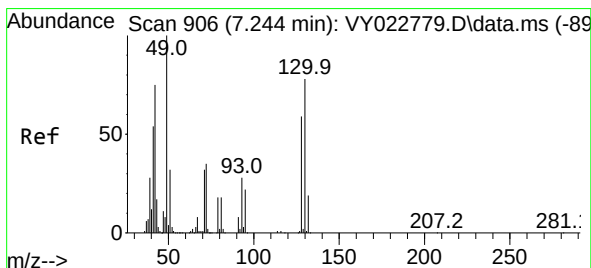
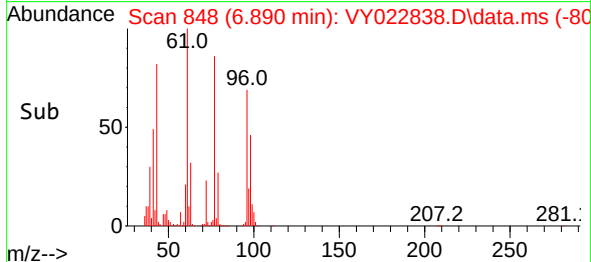
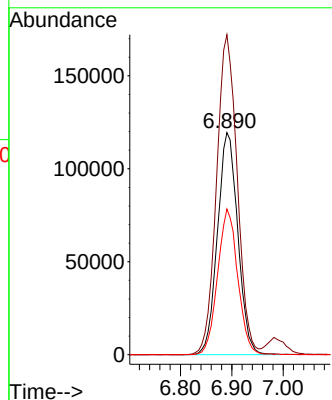
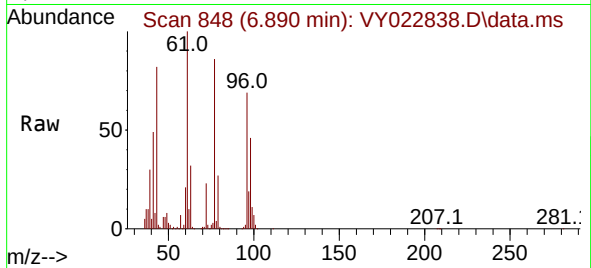




#27  
 cis-1,2-Dichloroethene  
 Concen: 52.011 ug/l  
 RT: 6.890 min Scan# 847  
 Delta R.T. -0.006 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

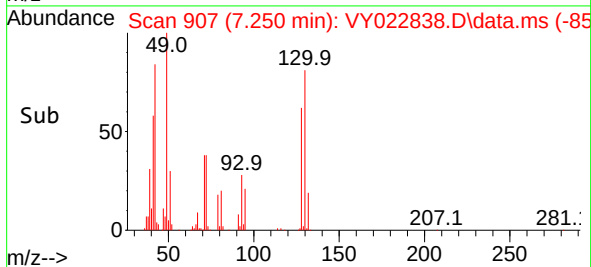
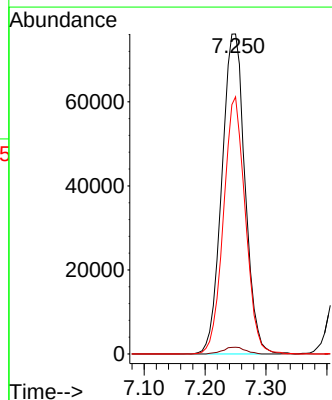
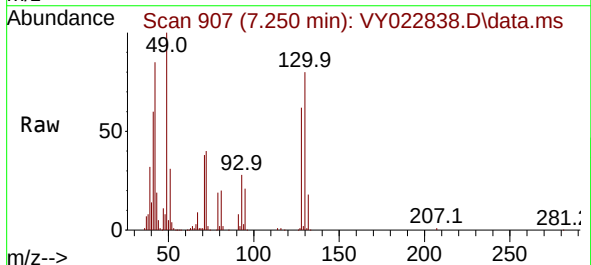
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

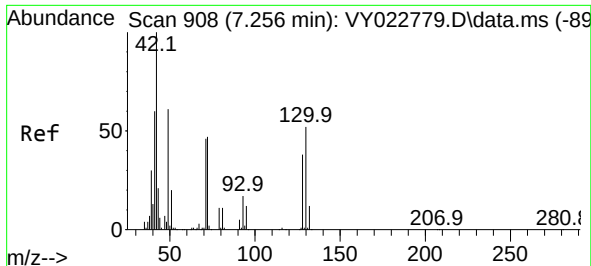
Tgt Ion: 96 Resp: 328556  
 Ion Ratio Lower Upper  
 96 100  
 61 146.0 0.0 290.0  
 98 64.9 0.0 128.4



#28  
 Bromochloromethane  
 Concen: 48.571 ug/l  
 RT: 7.250 min Scan# 907  
 Delta R.T. 0.000 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

Tgt Ion: 49 Resp: 200406  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 3.6  
 130 76.0 55.7 83.5





#29

Tetrahydrofuran

Concen: 261.671 ug/l

RT: 7.262 min Scan# 908

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

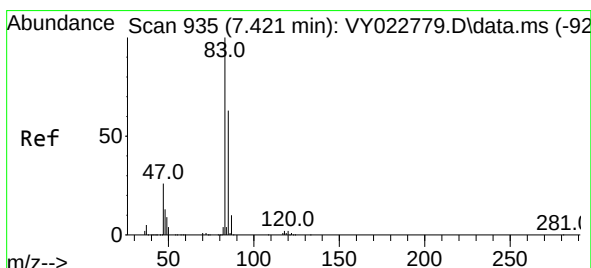
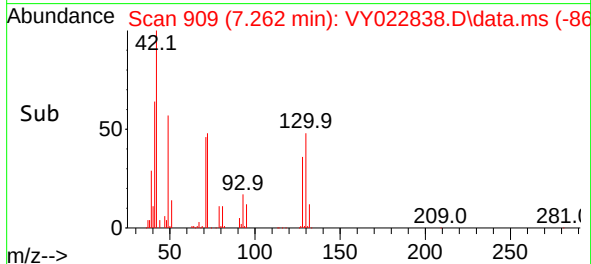
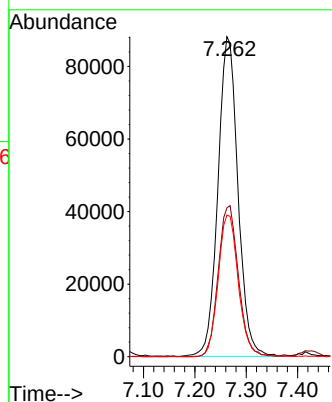
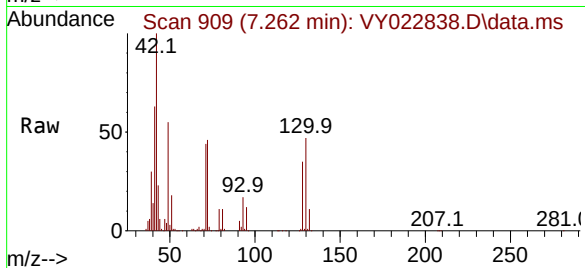
Tgt Ion: 42 Resp: 238399

Ion Ratio Lower Upper

42 100

72 47.8 37.4 56.2

71 44.7 34.2 51.2



#30

Chloroform

Concen: 51.615 ug/l

RT: 7.421 min Scan# 935

Delta R.T. -0.006 min

Lab File: VY022838.D

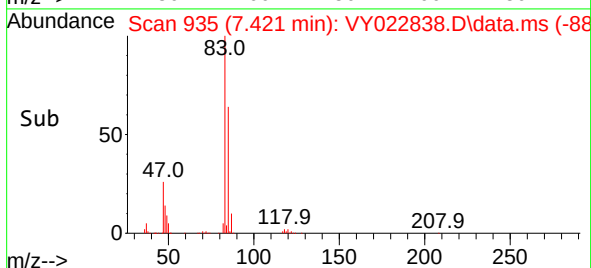
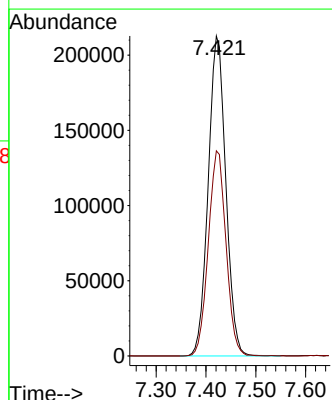
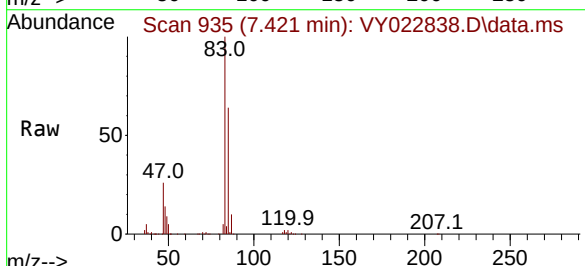
Acq: 26 Jun 2025 10:07

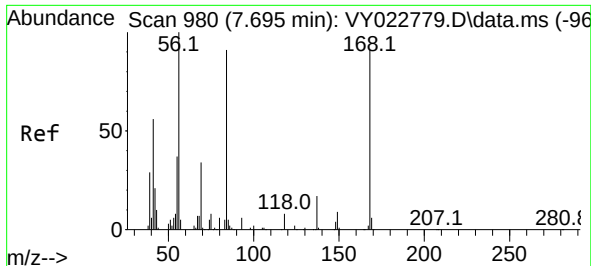
Tgt Ion: 83 Resp: 521746

Ion Ratio Lower Upper

83 100

85 64.1 54.2 81.4

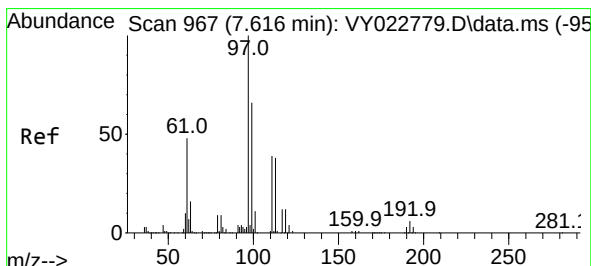
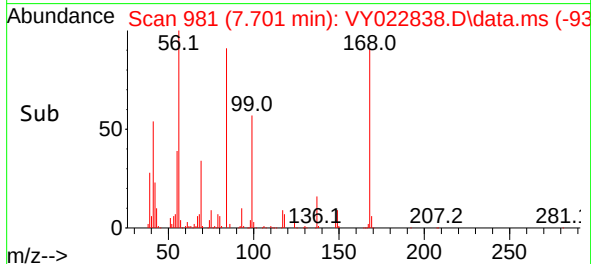
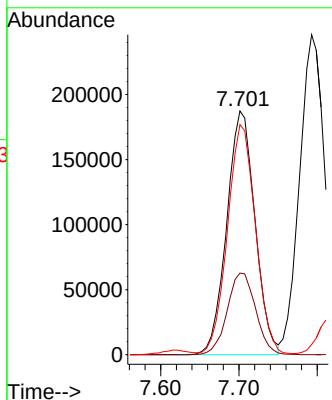
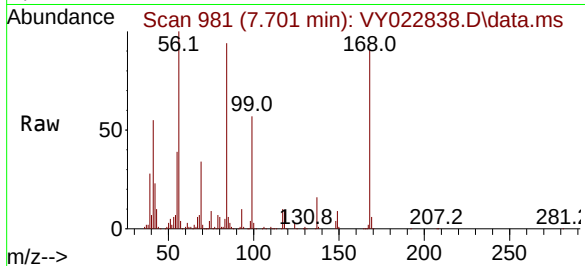




#31  
Cyclohexane  
Concen: 52.186 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

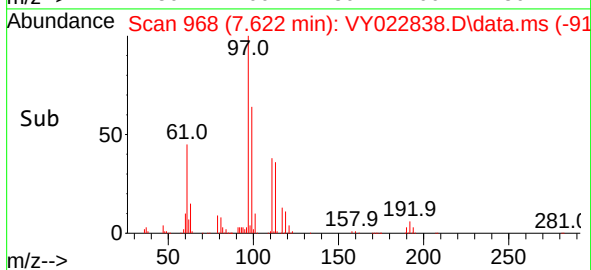
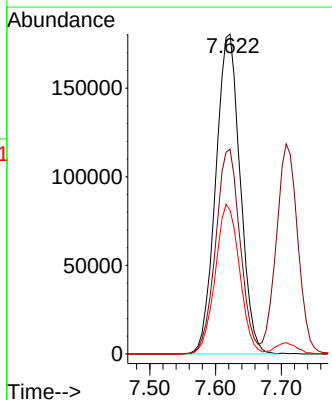
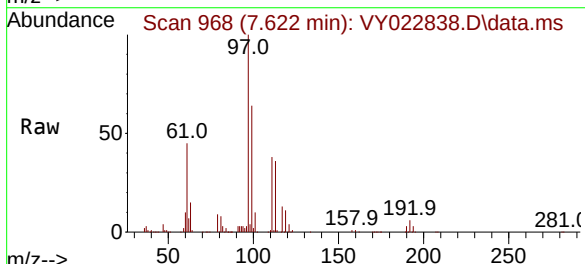
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

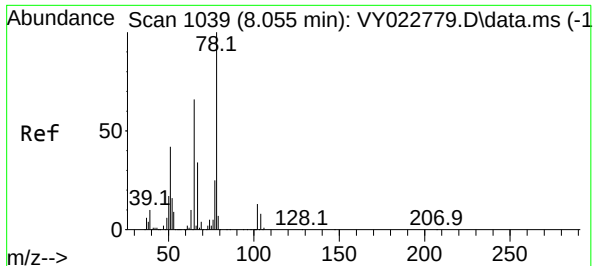
Tgt Ion: 56 Resp: 470140  
Ion Ratio Lower Upper  
56 100  
69 33.5 27.0 40.6  
84 92.5 72.6 109.0



#32  
1,1,1-Trichloroethane  
Concen: 53.408 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 97 Resp: 466531  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.9 76.3  
61 46.5 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 48.442 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

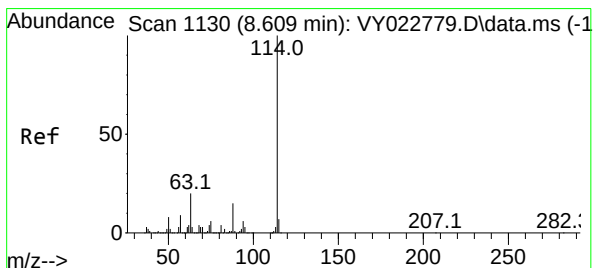
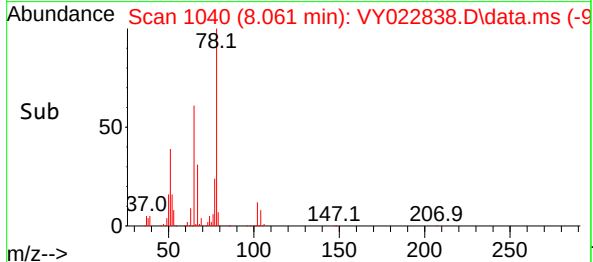
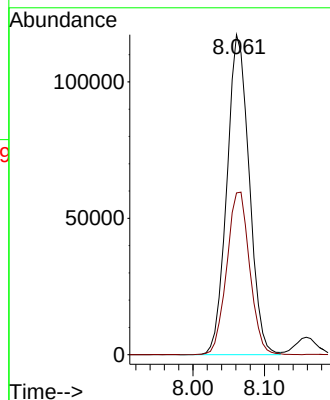
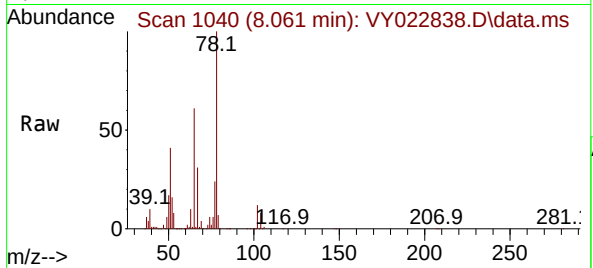
VSTDCCC050

Tgt Ion: 65 Resp: 254080

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

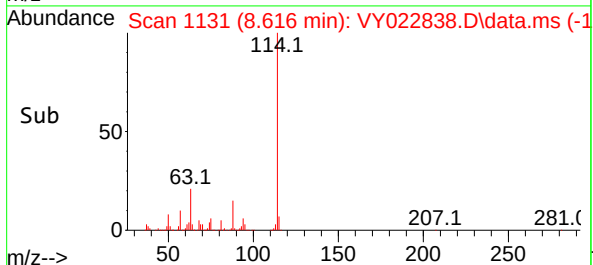
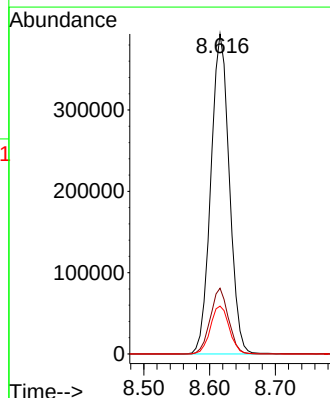
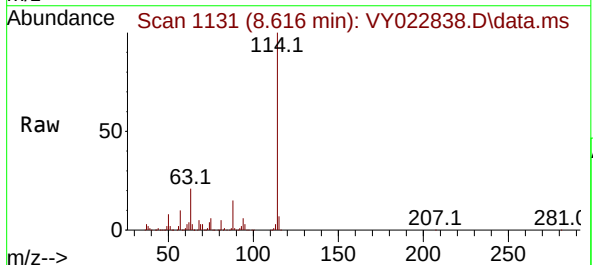
Tgt Ion:114 Resp: 769006

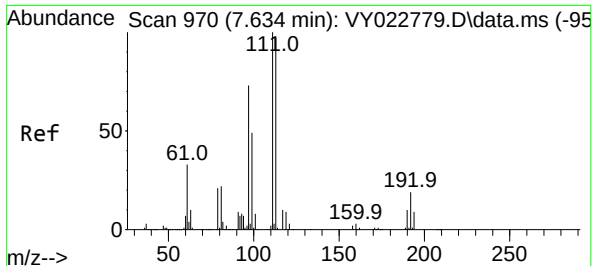
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.693 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

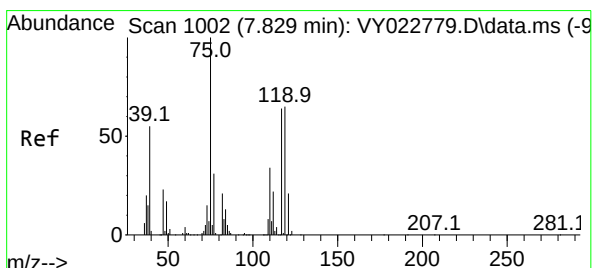
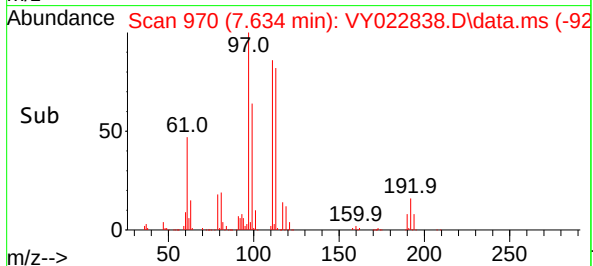
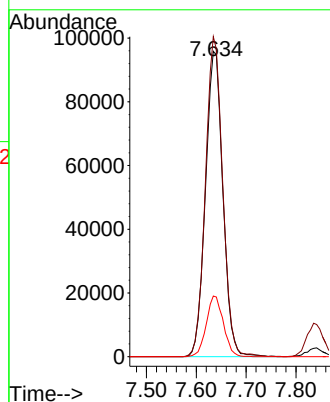
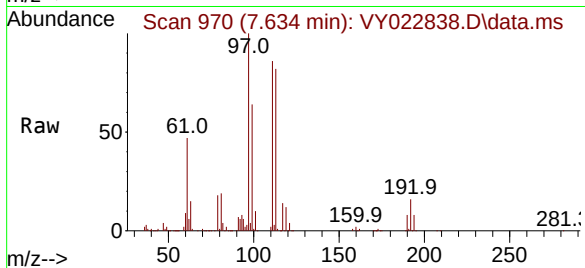
Tgt Ion:113 Resp: 232400

Ion Ratio Lower Upper

113 100

111 103.7 81.1 121.7

192 19.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 55.218 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

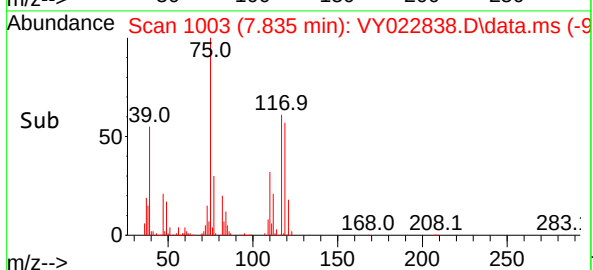
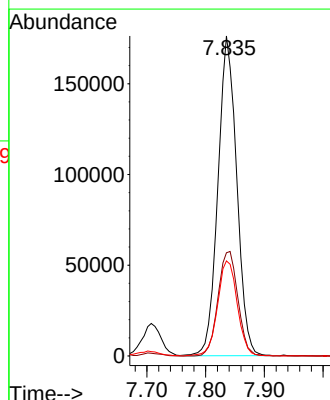
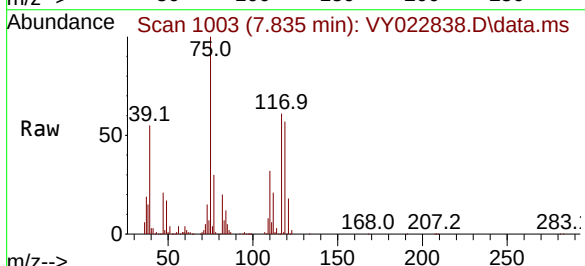
Tgt Ion: 75 Resp: 391427

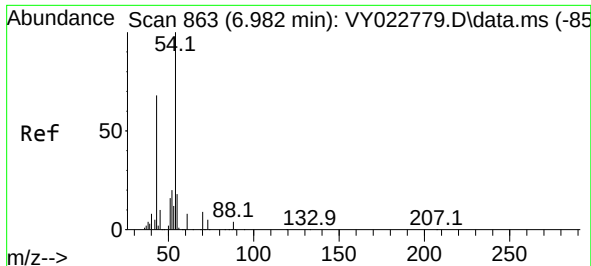
Ion Ratio Lower Upper

75 100

110 34.5 16.9 50.7

77 31.2 24.8 37.2





#37

Ethyl Acetate

Concen: 52.964 ug/l

RT: 6.982 min Scan# 863

Delta R.T. -0.012 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

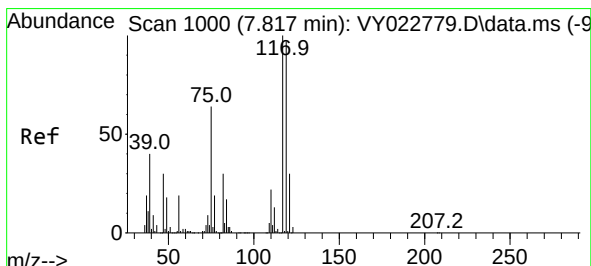
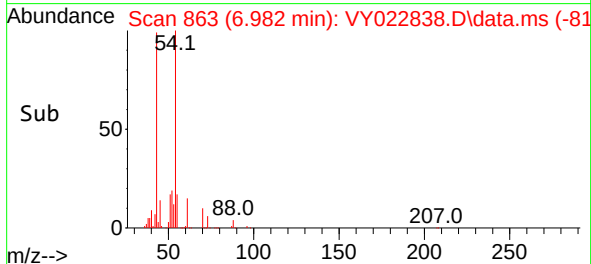
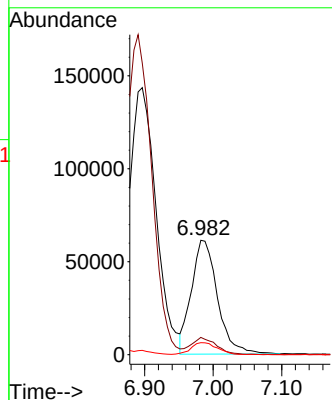
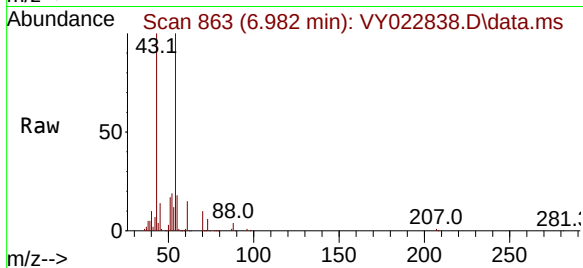
MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 162014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 14.5  | 11.5  | 17.3  |
| 70  | 10.2  | 7.2   | 10.8  |



#38

Carbon Tetrachloride

Concen: 55.577 ug/l

RT: 7.817 min Scan# 1000

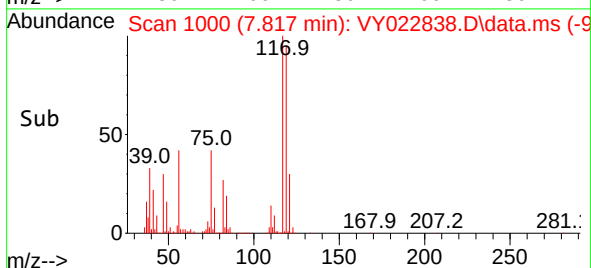
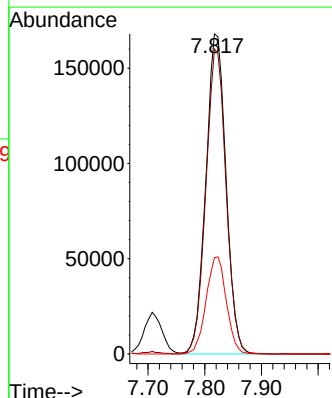
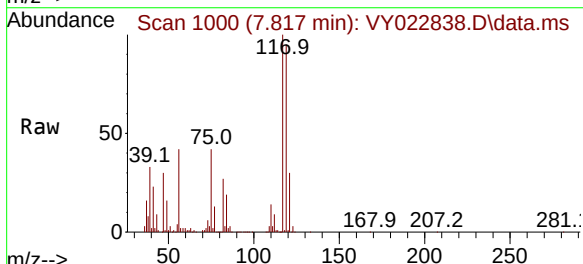
Delta R.T. -0.006 min

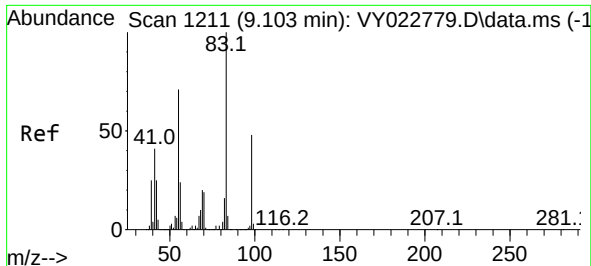
Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Tgt Ion: 117 Resp: 415697

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.3  | 75.0  | 112.6 |
| 121 | 30.1  | 25.0  | 37.4  |





#39

Methylcyclohexane

Concen: 56.925 ug/l

RT: 9.110 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

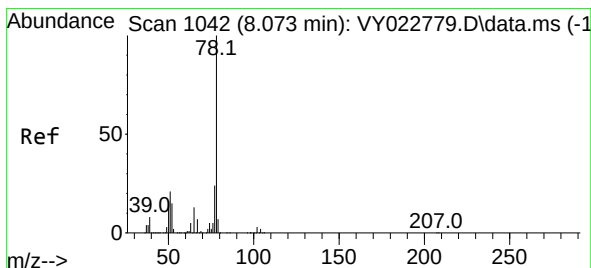
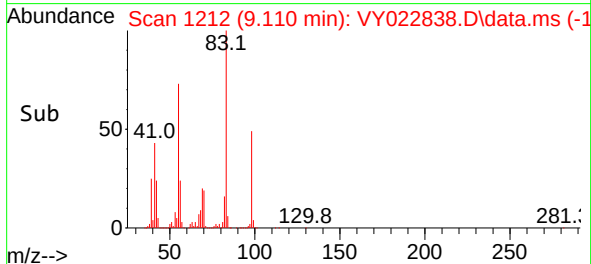
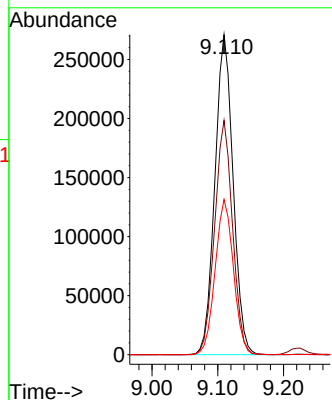
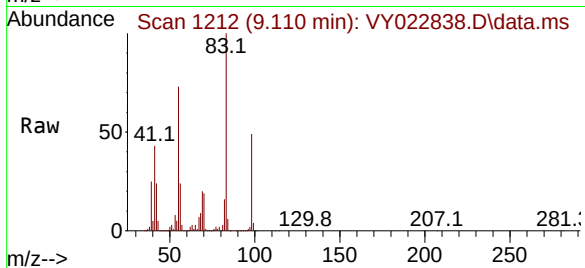
Tgt Ion: 83 Resp: 522205

Ion Ratio Lower Upper

83 100

55 73.2 58.1 87.1

98 48.5 39.0 58.6



#40

Benzene

Concen: 54.321 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. -0.006 min

Lab File: VY022838.D

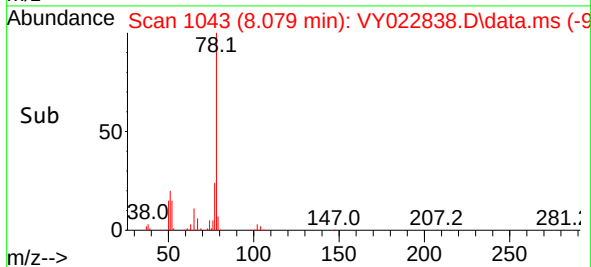
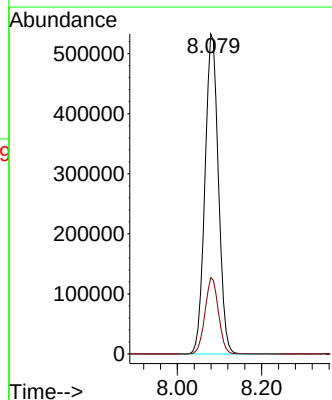
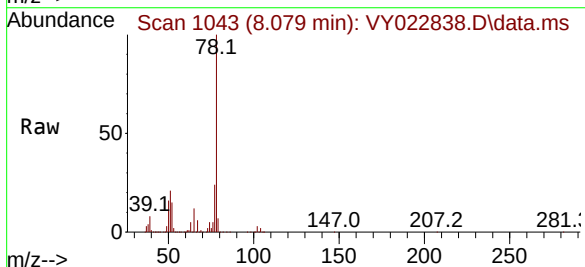
Acq: 26 Jun 2025 10:07

Tgt Ion: 78 Resp: 1183917

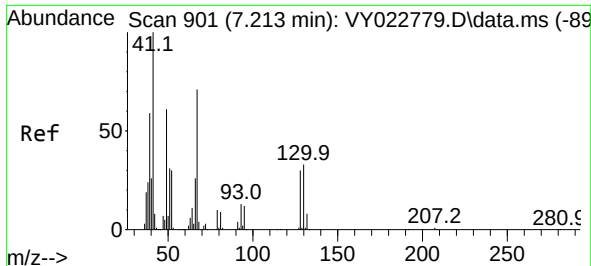
Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9



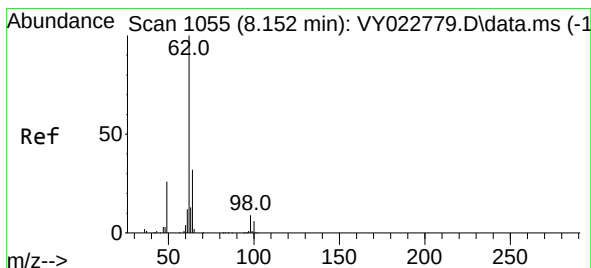
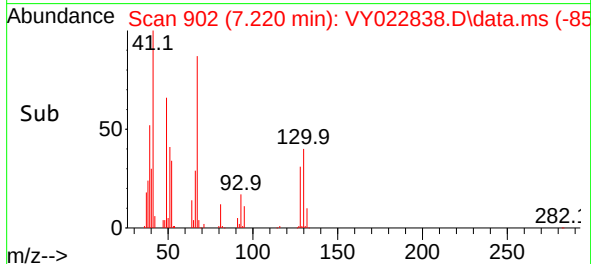
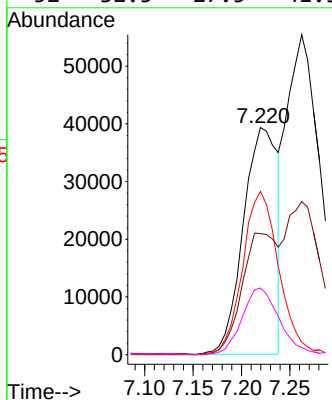
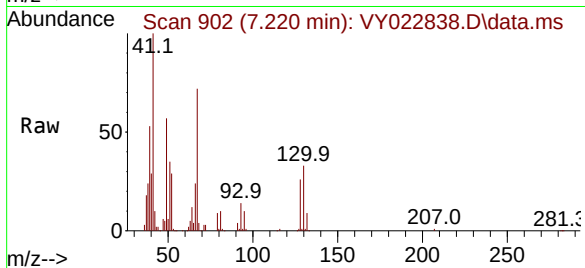




#41  
Methacrylonitrile  
Concen: 51.181 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. -0.012 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

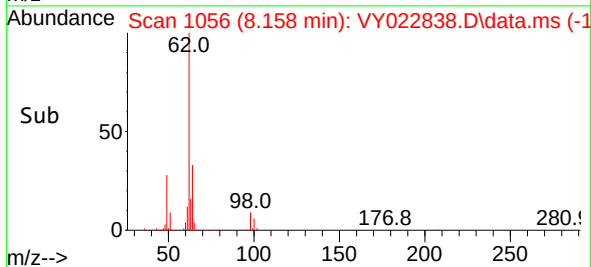
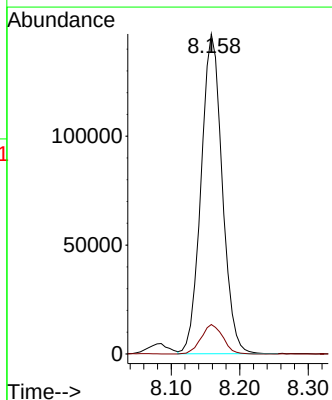
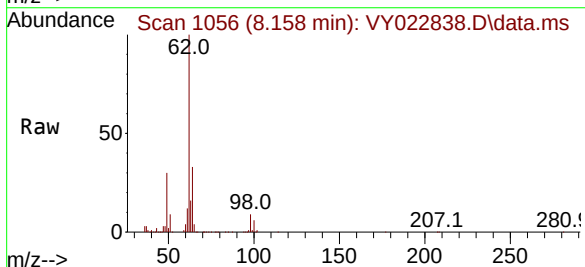
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

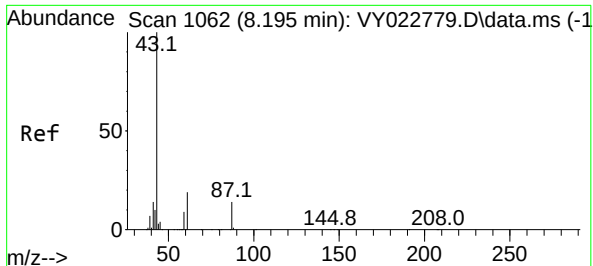
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 96382 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.7  | 46.6  | 69.8  |
| 67       | 76.5  | 63.3  | 94.9  |
| 52       | 32.5  | 27.5  | 41.3  |



#42  
1,2-Dichloroethane  
Concen: 52.853 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 315659 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.5   | 0.0   | 19.2   |

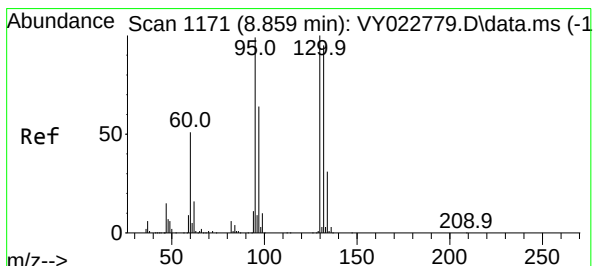
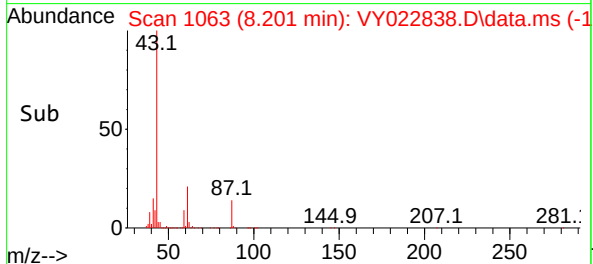
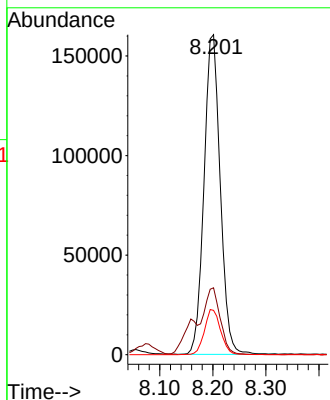
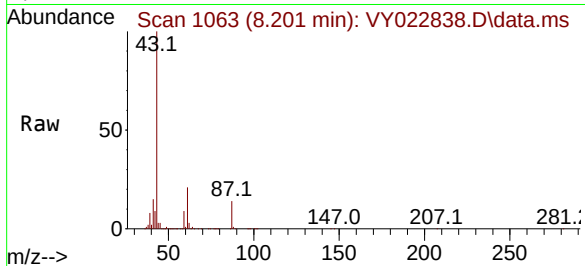




#43  
Isopropyl Acetate  
Concen: 53.516 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

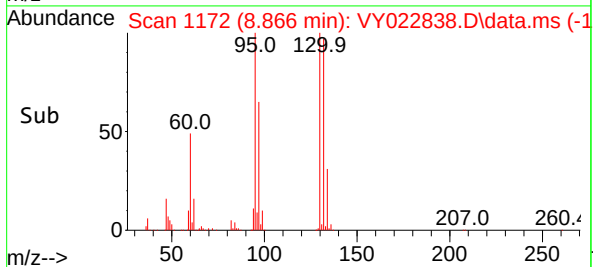
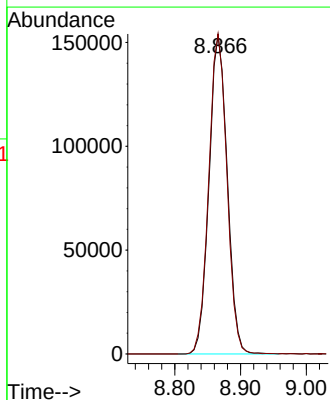
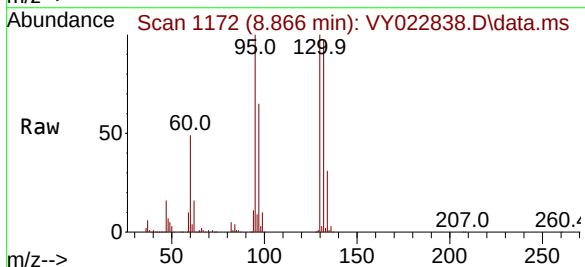
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

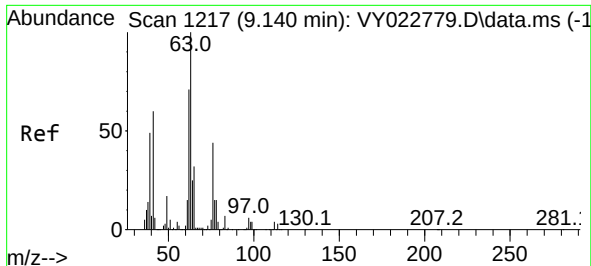
Tgt Ion: 43 Resp: 340233  
Ion Ratio Lower Upper  
43 100  
61 21.4 15.6 23.4  
87 14.2 10.2 15.4



#44  
Trichloroethene  
Concen: 54.136 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion:130 Resp: 296233  
Ion Ratio Lower Upper  
130 100  
95 100.5 0.0 203.0





#45

1,2-Dichloropropane

Concen: 53.869 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

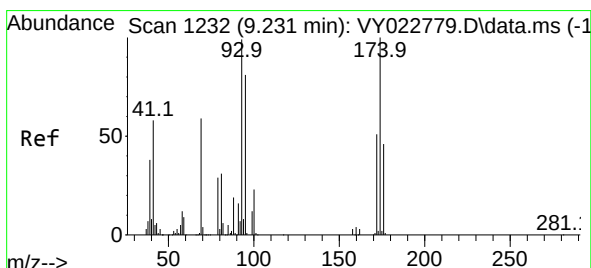
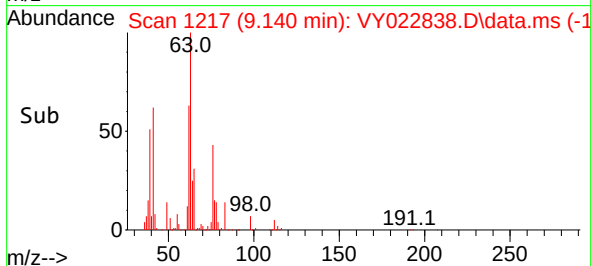
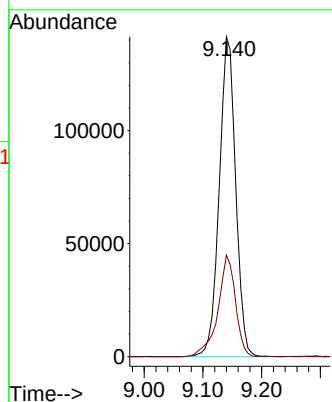
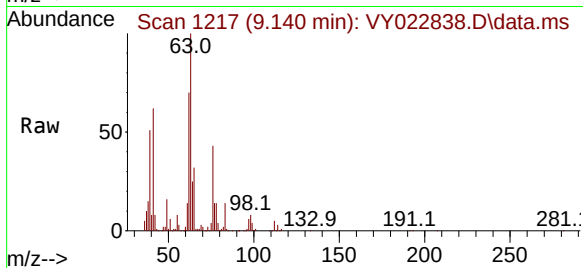
VSTDCCC050

Tgt Ion: 63 Resp: 274781

Ion Ratio Lower Upper

63 100

65 31.7 24.0 36.0



#46

Dibromomethane

Concen: 52.894 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

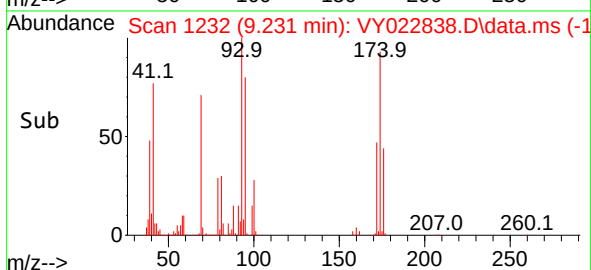
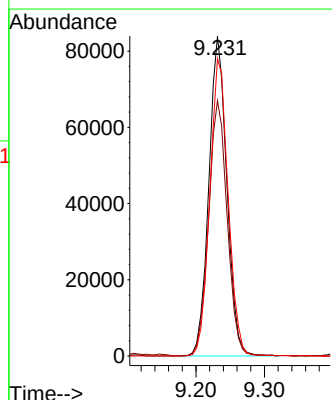
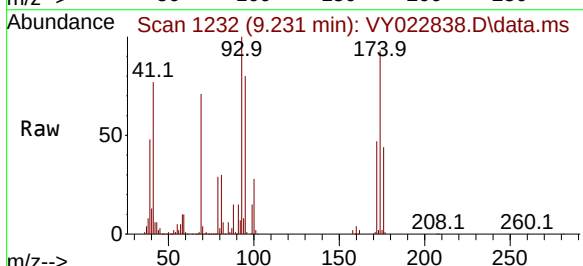
Tgt Ion: 93 Resp: 153162

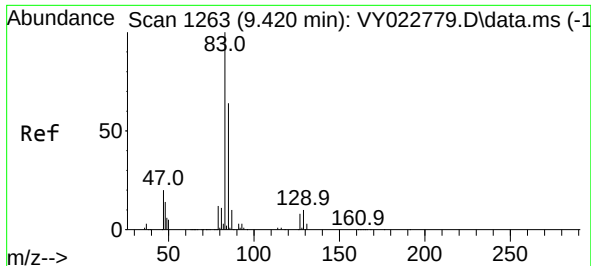
Ion Ratio Lower Upper

93 100

95 82.3 65.6 98.4

174 94.7 70.4 105.6

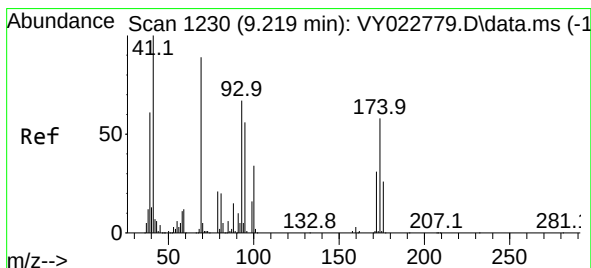
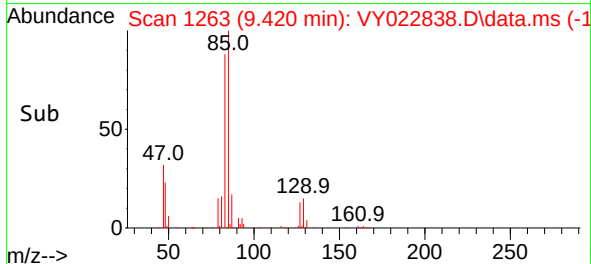
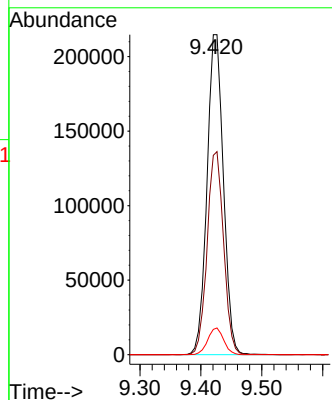
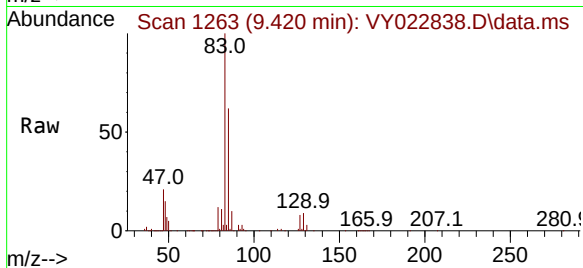




#47  
Bromodichloromethane  
Concen: 53.719 ug/l  
RT: 9.420 min Scan# 1263  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

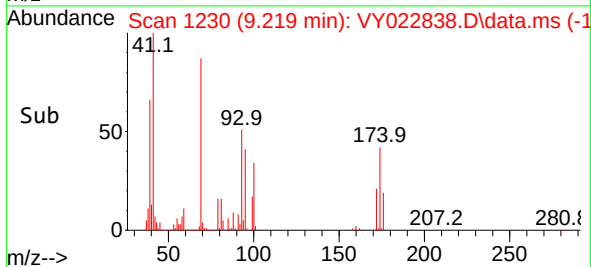
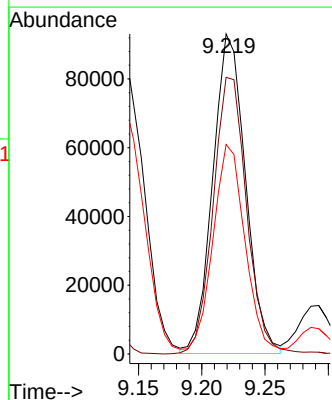
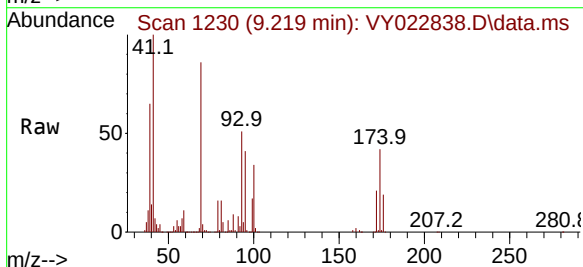
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

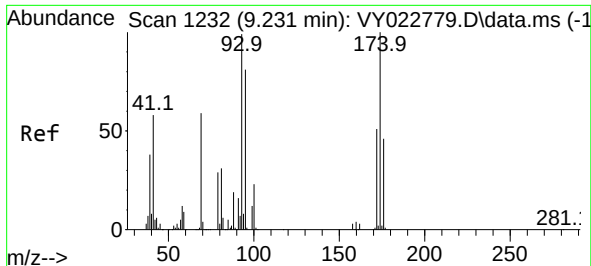
Tgt Ion: 83 Resp: 401117  
Ion Ratio Lower Upper  
83 100  
85 62.3 49.1 73.7  
127 7.9 6.2 9.4



#48  
Methyl methacrylate  
Concen: 54.709 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 41 Resp: 167209  
Ion Ratio Lower Upper  
41 100  
69 89.2 67.8 101.8  
39 61.5 55.0 82.4





#49

1,4-Dioxane

Concen: 978.838 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. -0.012 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

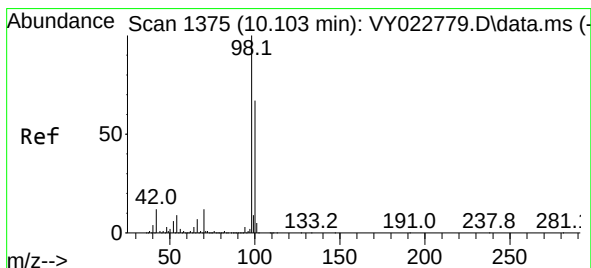
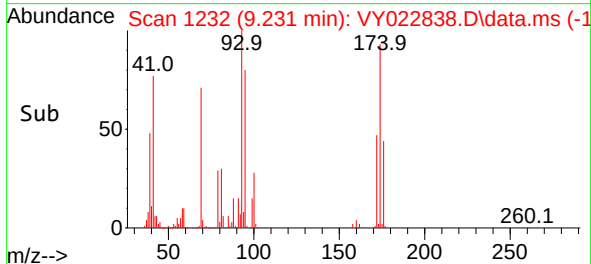
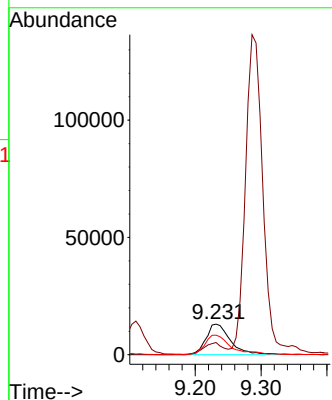
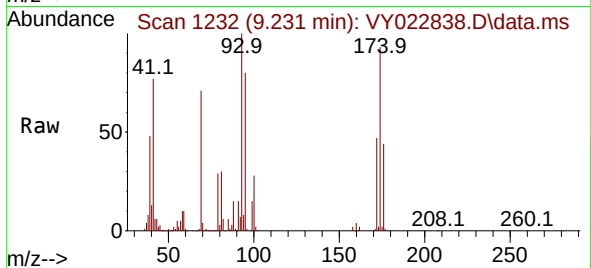
Tgt Ion: 88 Resp: 33487

Ion Ratio Lower Upper

88 100

43 30.0 25.4 38.2

58 69.2 54.9 82.3



#50

Toluene-d8

Concen: 50.666 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY022838.D

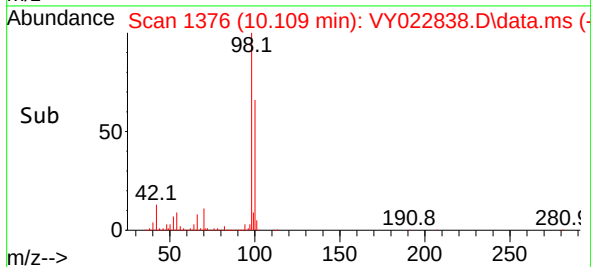
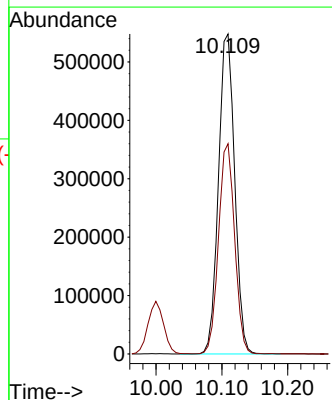
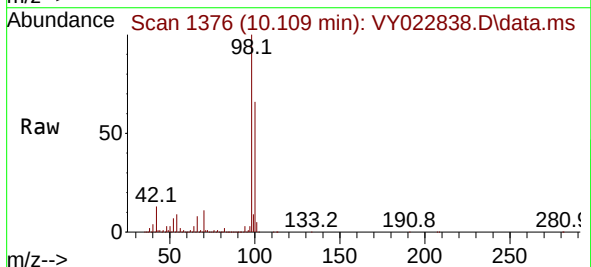
Acq: 26 Jun 2025 10:07

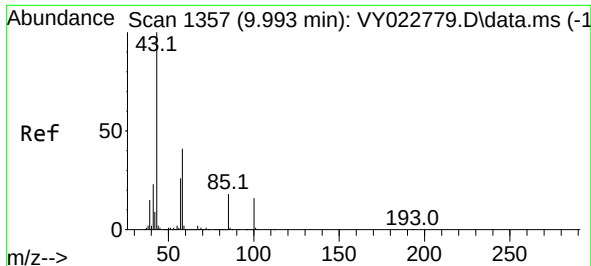
Tgt Ion: 98 Resp: 940249

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 276.686 ug/l

RT: 10.000 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

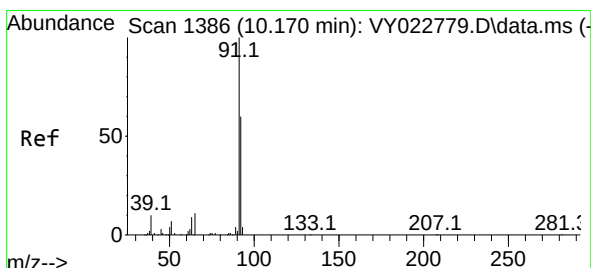
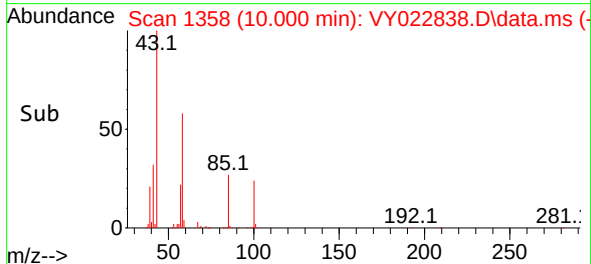
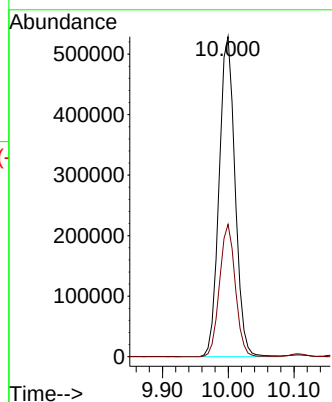
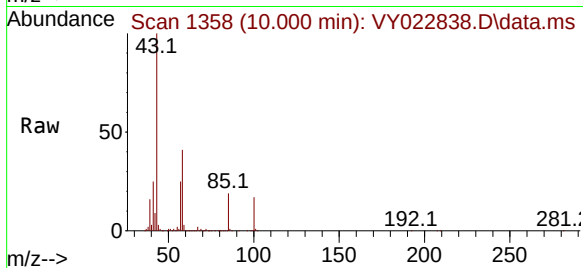
VSTDCCC050

Tgt Ion: 43 Resp: 893909

Ion Ratio Lower Upper

43 100

58 40.9 30.4 45.6



#52

Toluene

Concen: 55.764 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY022838.D

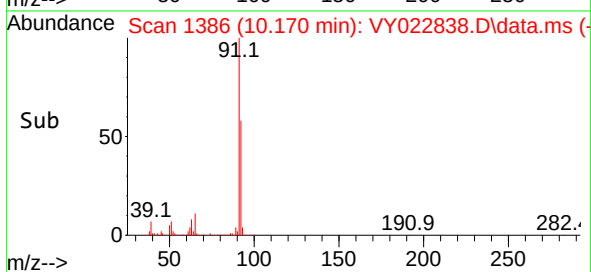
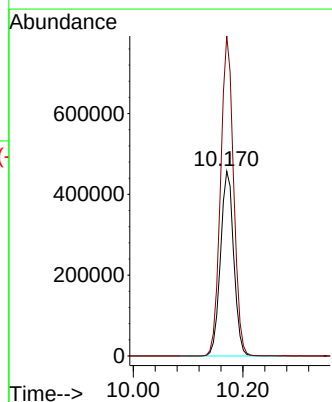
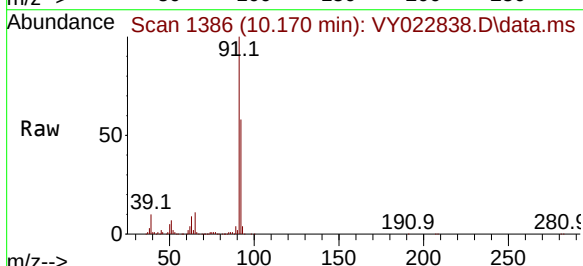
Acq: 26 Jun 2025 10:07

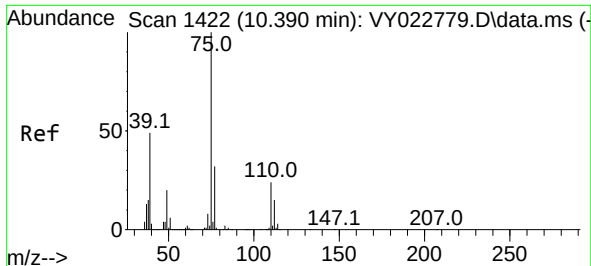
Tgt Ion: 92 Resp: 766754

Ion Ratio Lower Upper

92 100

91 170.6 139.0 208.4

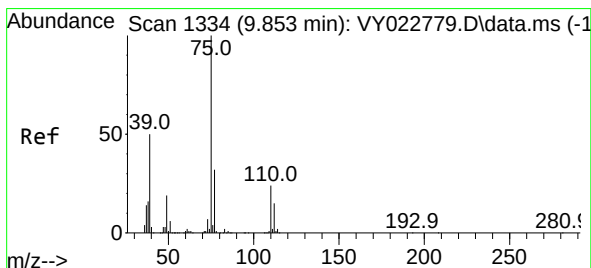
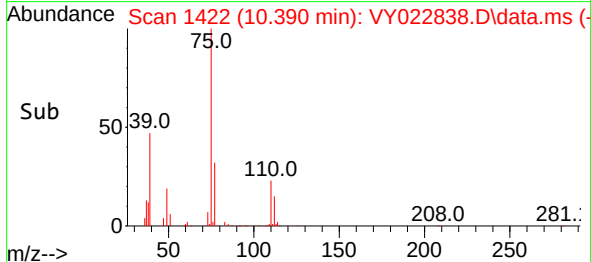
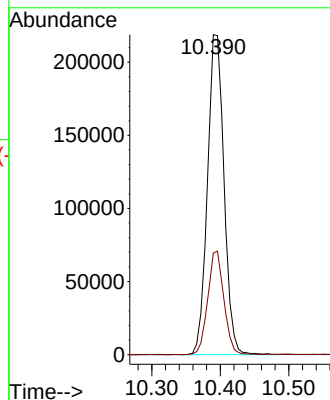
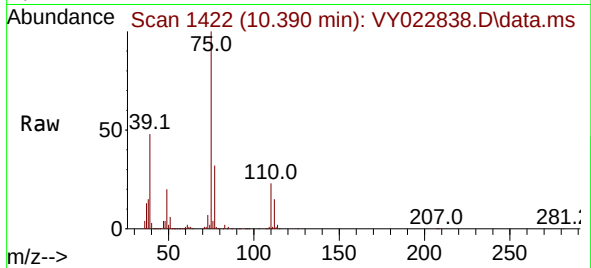




#53  
t-1,3-Dichloropropene  
Concen: 54.879 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

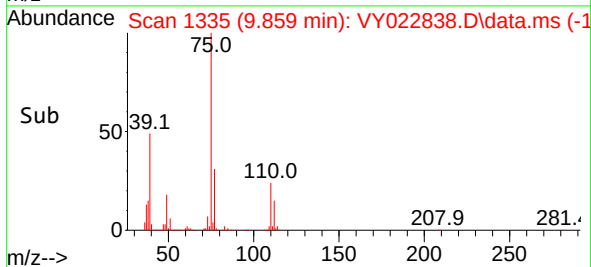
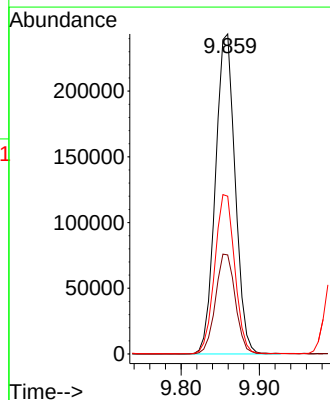
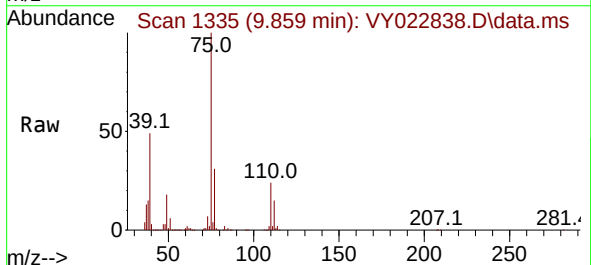
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

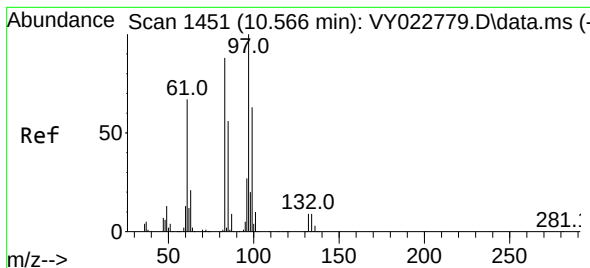
Tgt Ion: 75 Resp: 368690  
Ion Ratio Lower Upper  
75 100  
77 31.7 26.5 39.7



#54  
cis-1,3-Dichloropropene  
Concen: 54.683 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 75 Resp: 425968  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.3 37.9  
39 49.2 42.7 64.1





#55

1,1,2-Trichloroethane

Concen: 53.699 ug/l

RT: 10.573 min Scan# 1451

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 201347

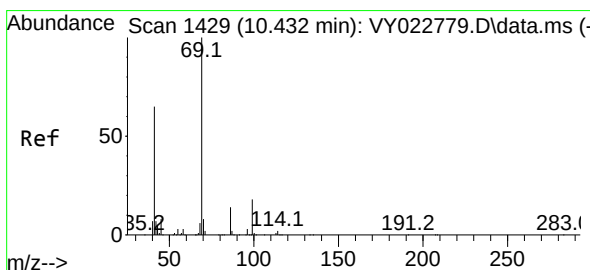
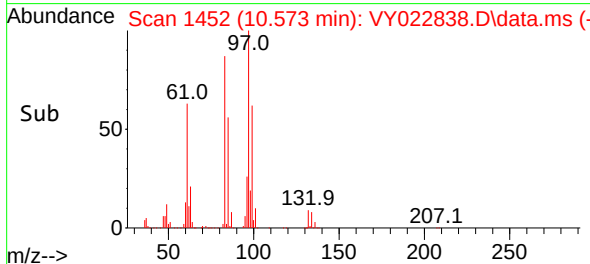
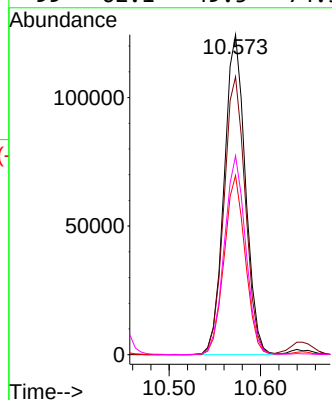
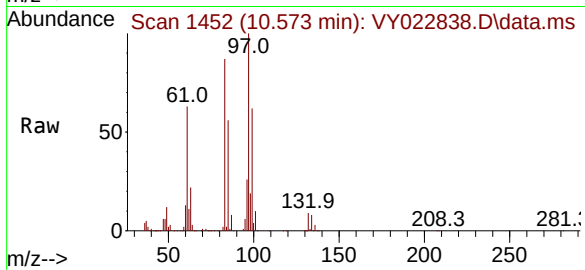
Ion Ratio Lower Upper

97 100

83 86.8 68.1 102.1

85 56.0 48.2 72.2

99 62.1 49.5 74.3



#56

Ethyl methacrylate

Concen: 55.216 ug/l

RT: 10.439 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

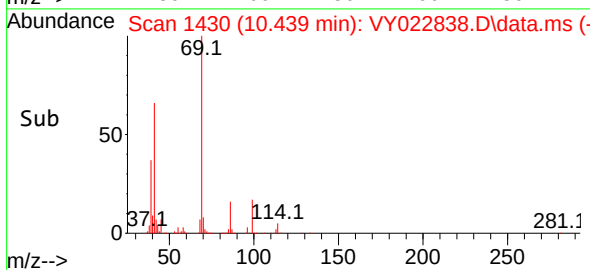
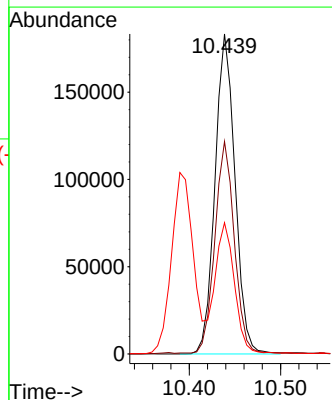
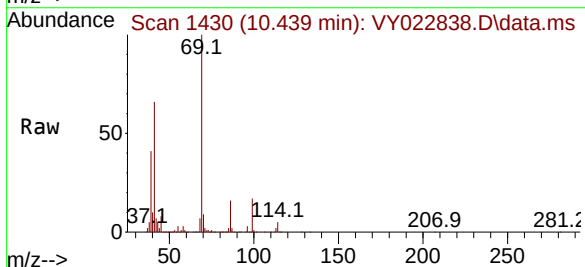
Tgt Ion: 69 Resp: 278542

Ion Ratio Lower Upper

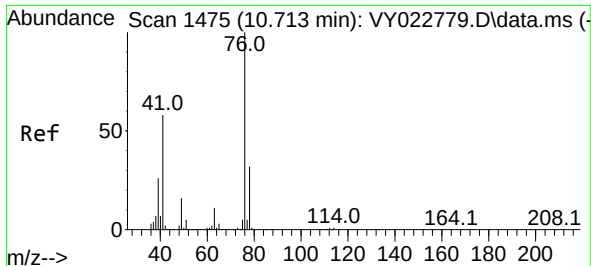
69 100

41 64.5 52.2 78.2

39 40.5 36.7 55.1







#57

1,3-Dichloropropane

Concen: 53.531 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

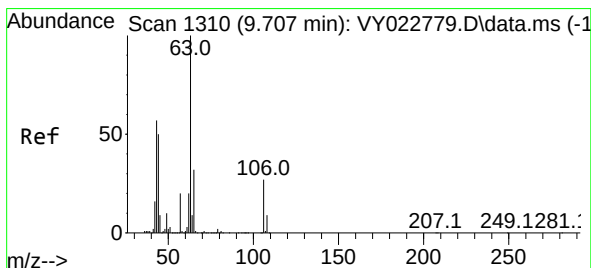
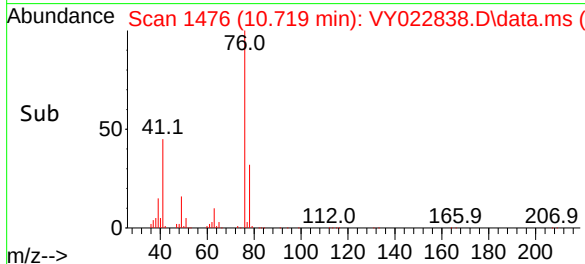
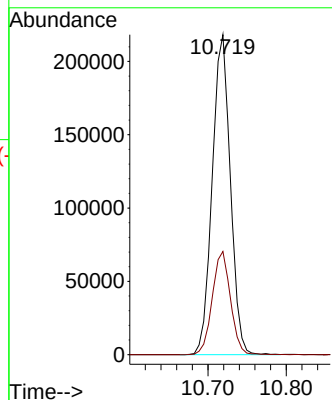
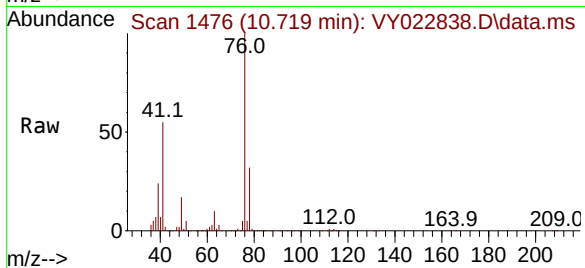
VSTDCCC050

Tgt Ion: 76 Resp: 350193

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 237.953 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY022838.D

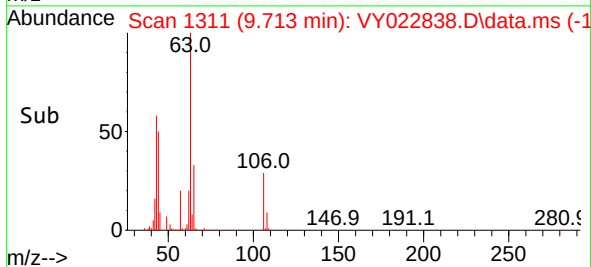
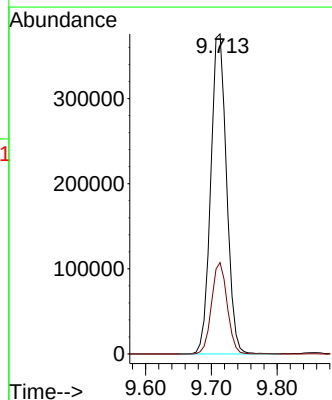
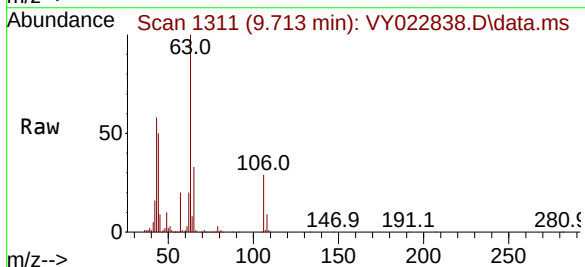
Acq: 26 Jun 2025 10:07

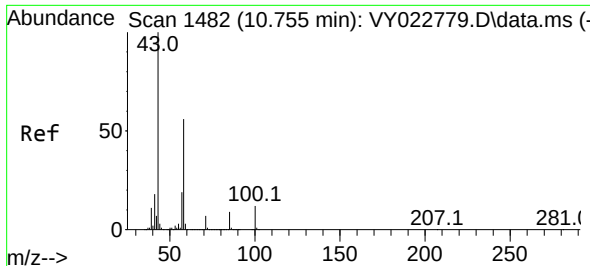
Tgt Ion: 63 Resp: 628770

Ion Ratio Lower Upper

63 100

106 28.2 21.6 32.4

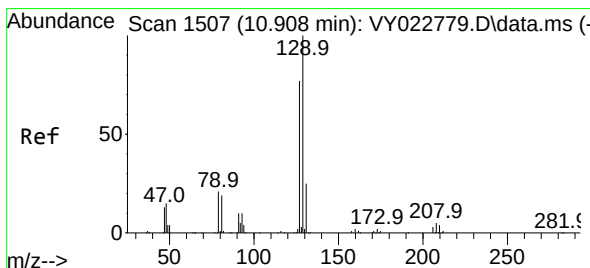
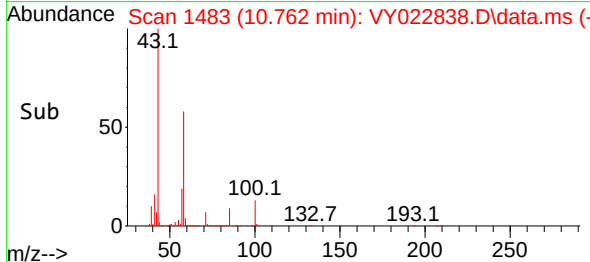
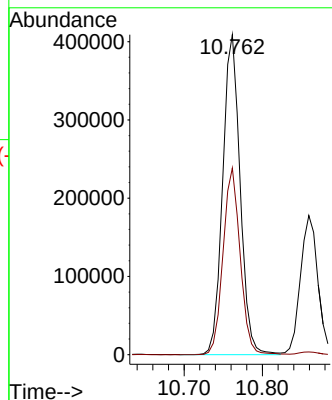
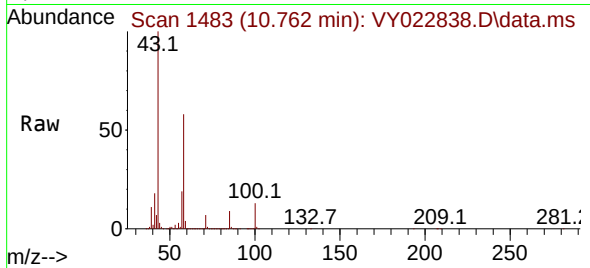




#59  
2-Hexanone  
Concen: 287.993 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

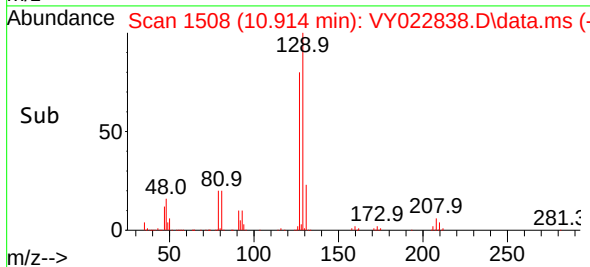
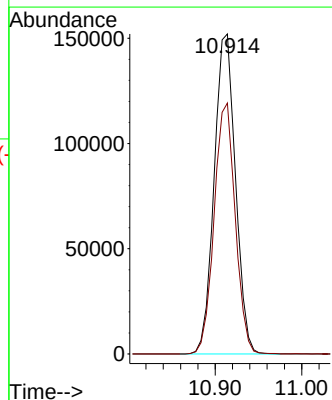
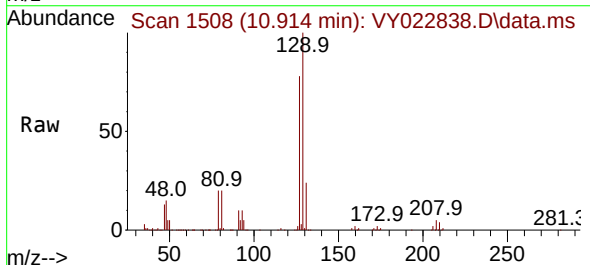
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

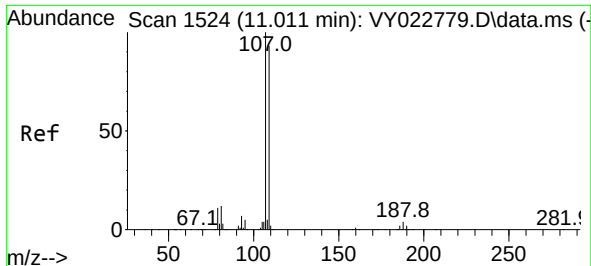
Tgt Ion: 43 Resp: 632583  
Ion Ratio Lower Upper  
43 100  
58 57.3 27.3 81.8



#60  
Dibromochloromethane  
Concen: 53.660 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 129 Resp: 259888  
Ion Ratio Lower Upper  
129 100  
127 77.7 39.1 117.2

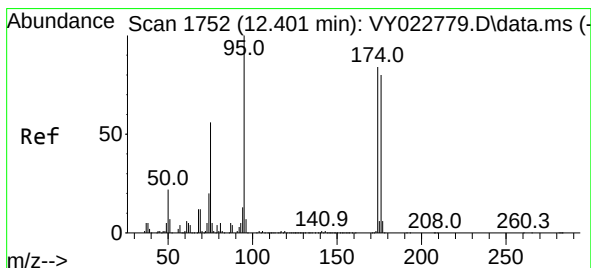
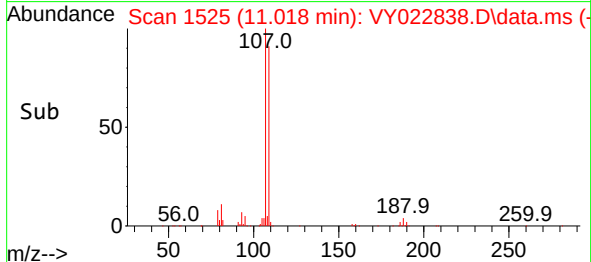
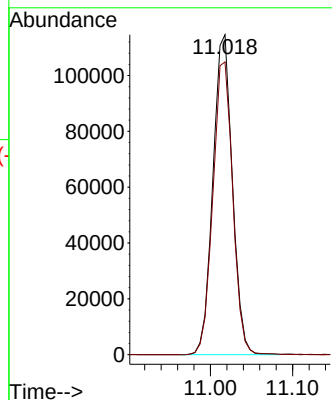
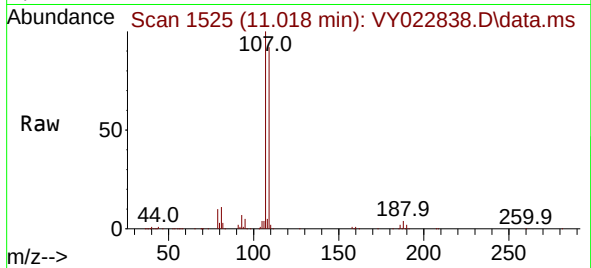




#61  
1,2-Dibromoethane  
Concen: 53.758 ug/l  
RT: 11.018 min Scan# 1524  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

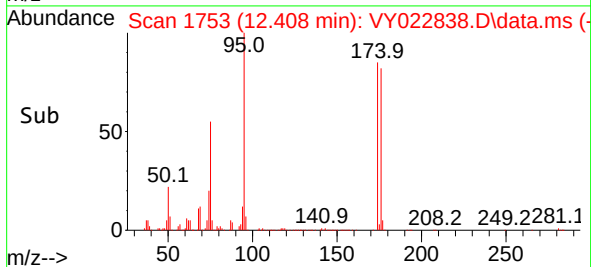
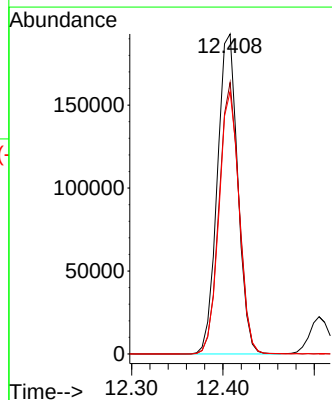
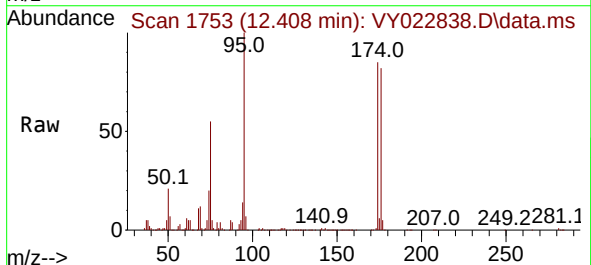
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

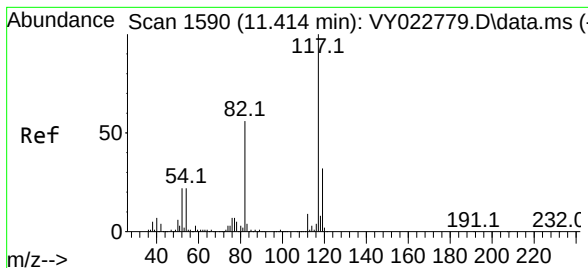
Tgt Ion:107 Resp: 188622  
Ion Ratio Lower Upper  
107 100  
109 93.2 77.7 116.5



#62  
4-Bromofluorobenzene  
Concen: 50.302 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 95 Resp: 300090  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 170.0  
176 81.0 0.0 166.2

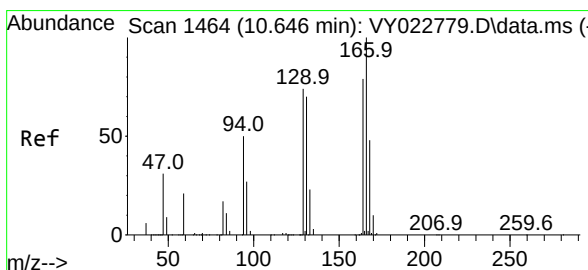
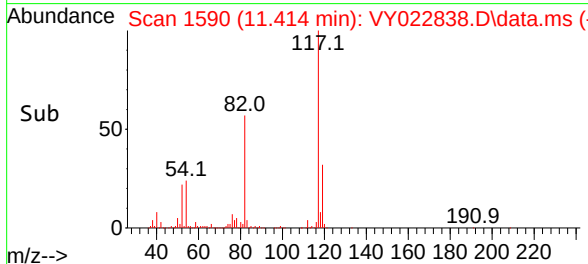
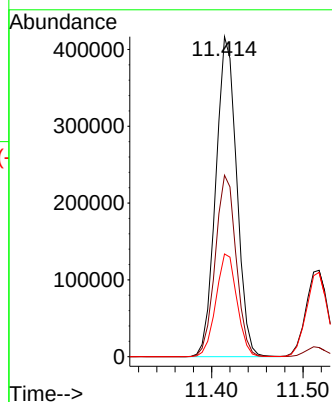
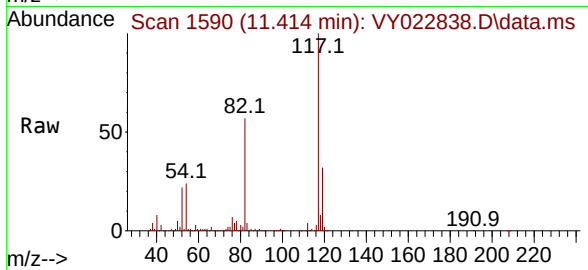




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

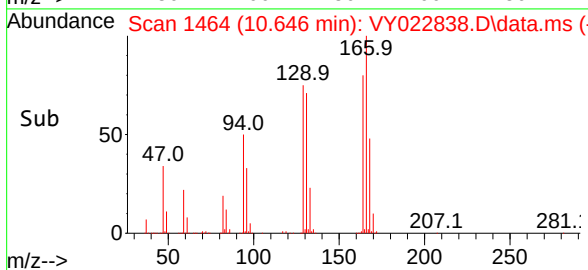
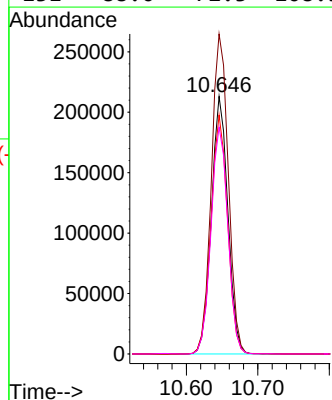
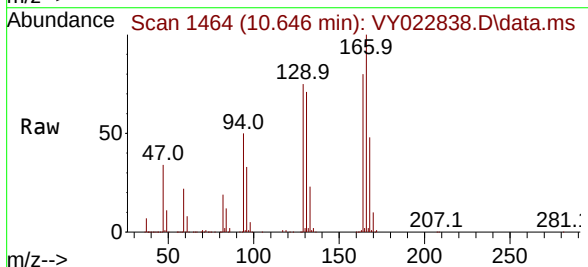
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

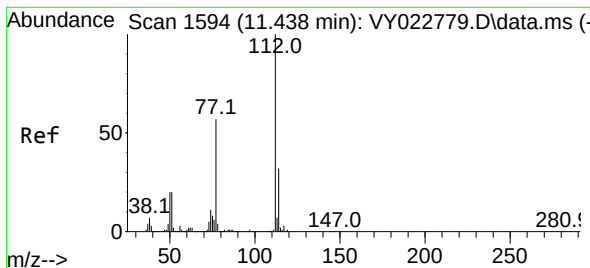
Tgt Ion:117 Resp: 661912  
Ion Ratio Lower Upper  
117 100  
82 56.7 44.6 66.8  
119 32.1 25.4 38.0



#64  
Tetrachloroethene  
Concen: 54.637 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion:164 Resp: 341651  
Ion Ratio Lower Upper  
164 100  
166 124.2 104.0 156.0  
129 92.7 74.5 111.7  
131 88.0 72.3 108.5





#65

Chlorobenzene

Concen: 54.869 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

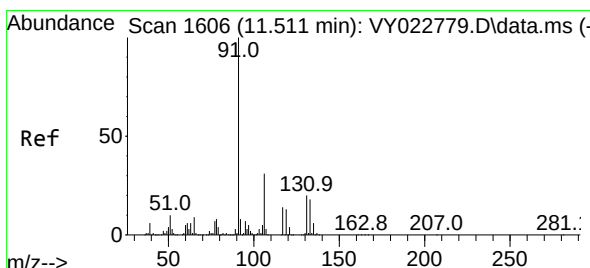
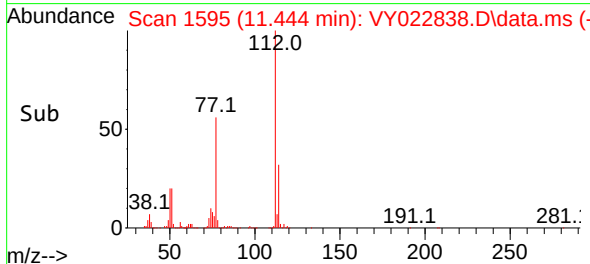
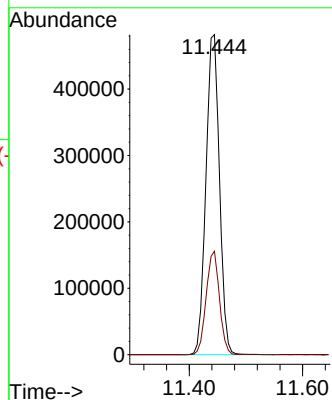
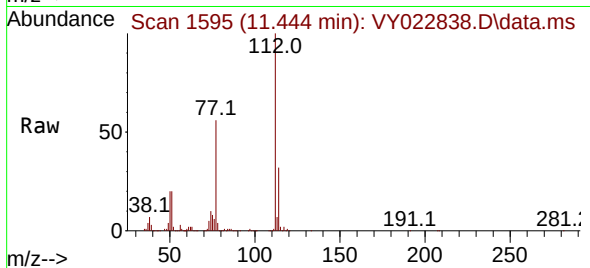
VSTDCCC050

Tgt Ion:112 Resp: 798031

Ion Ratio Lower Upper

112 100

114 32.4 25.0 37.6



#66

1,1,1,2-Tetrachloroethane

Concen: 54.051 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

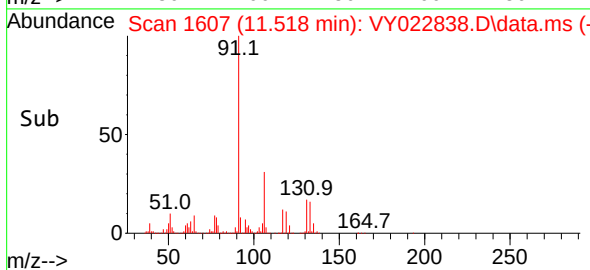
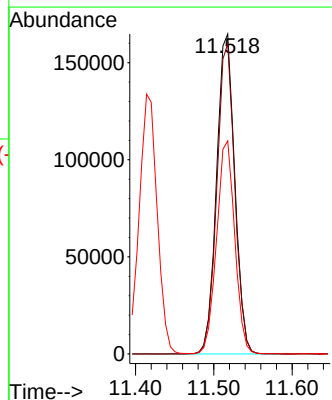
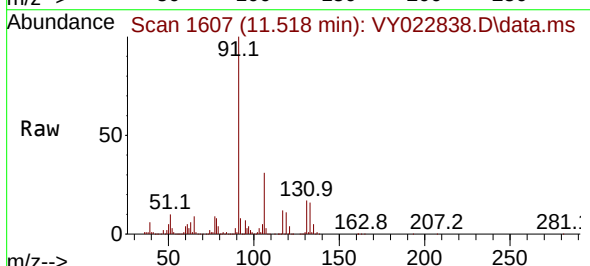
Tgt Ion:131 Resp: 266269

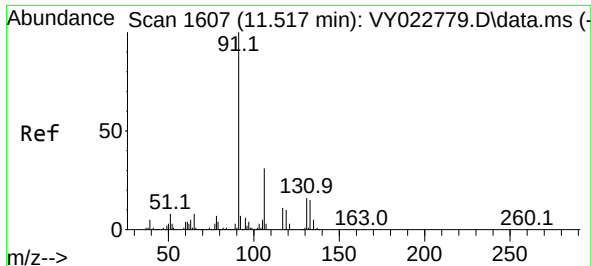
Ion Ratio Lower Upper

131 100

133 95.4 47.3 141.8

119 66.5 33.1 99.3





#67

Ethyl Benzene

Concen: 56.773 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

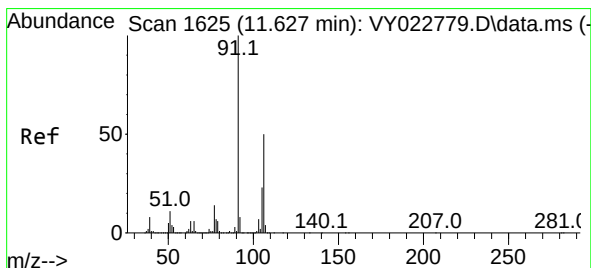
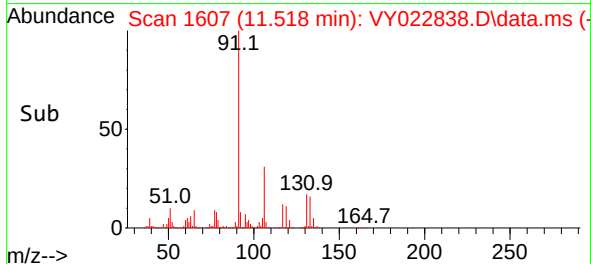
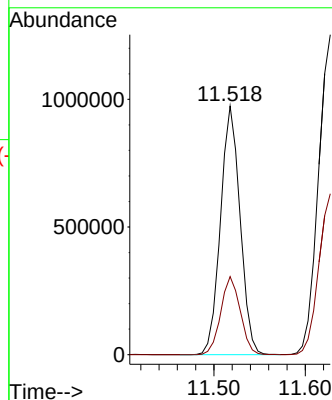
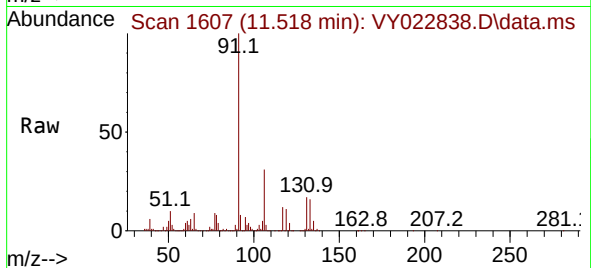
VSTDCCC050

Tgt Ion: 91 Resp: 1450784

Ion Ratio Lower Upper

91 100

106 31.4 24.2 36.4



#68

m/p-Xylenes

Concen: 114.443 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY022838.D

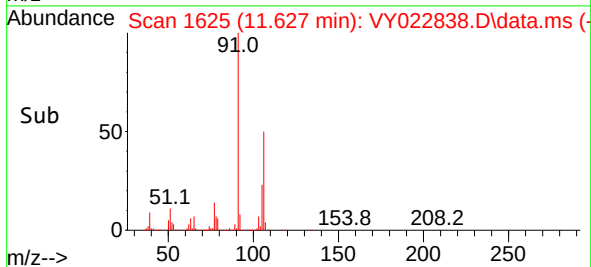
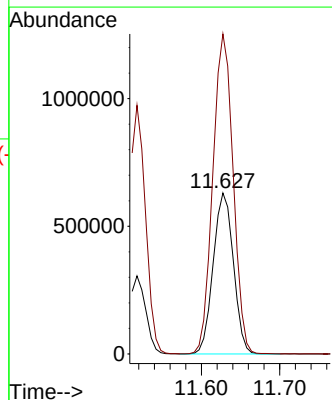
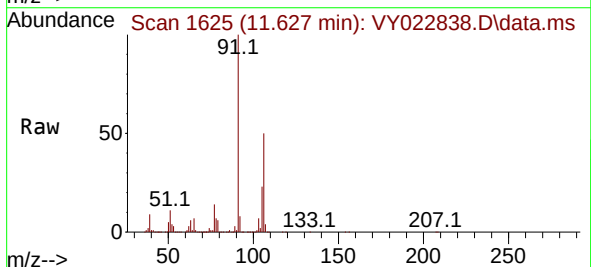
Acq: 26 Jun 2025 10:07

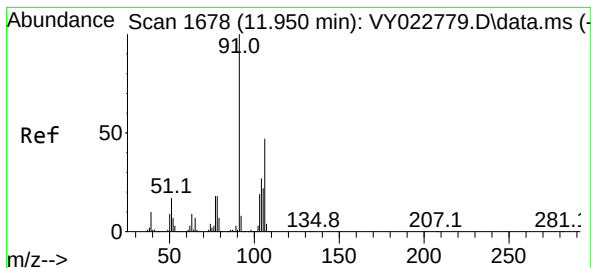
Tgt Ion:106 Resp: 1130504

Ion Ratio Lower Upper

106 100

91 199.8 159.4 239.0





#69

o-Xylene

Concen: 56.760 ug/l

RT: 11.957 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

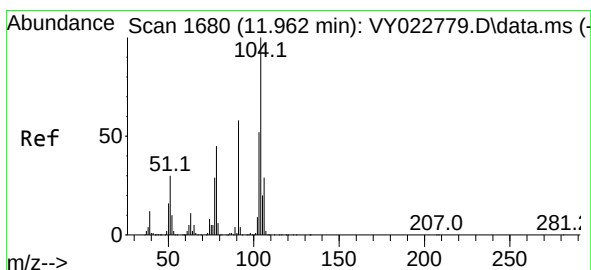
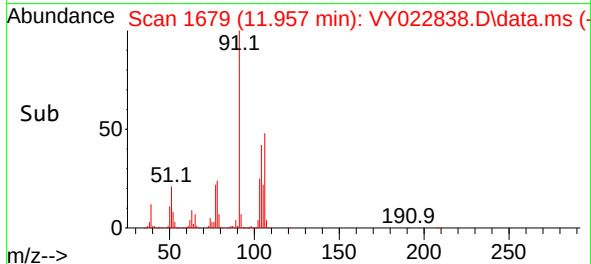
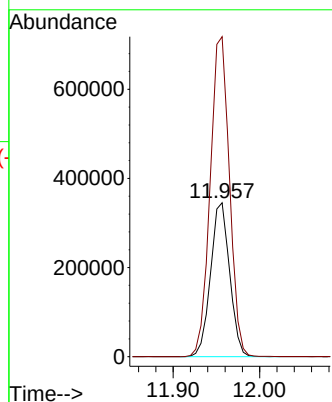
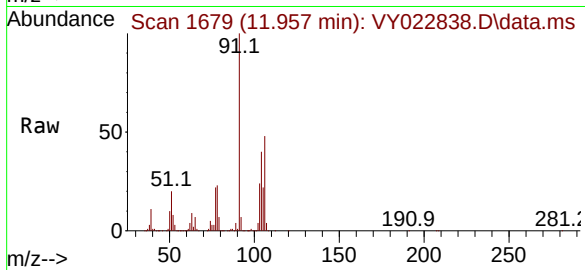
VSTDCCC050

Tgt Ion:106 Resp: 528318

Ion Ratio Lower Upper

106 100

91 210.3 105.8 317.3



#70

Styrene

Concen: 57.275 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

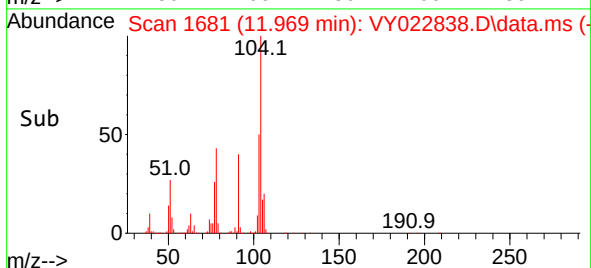
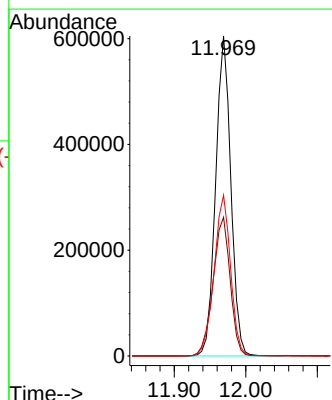
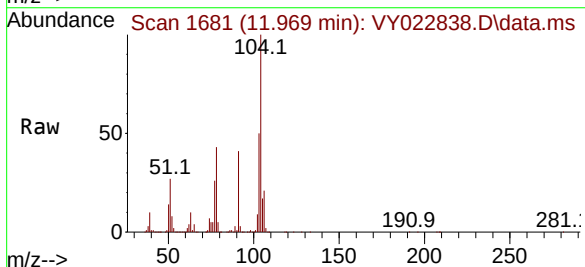
Tgt Ion:104 Resp: 892986

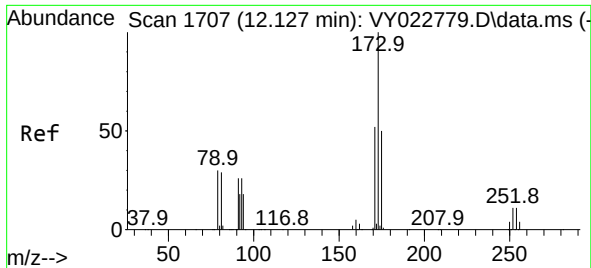
Ion Ratio Lower Upper

104 100

78 48.7 39.5 59.3

103 54.6 44.1 66.1

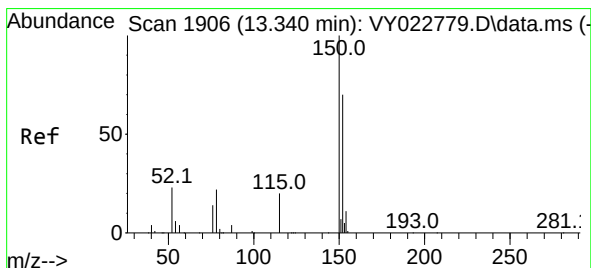
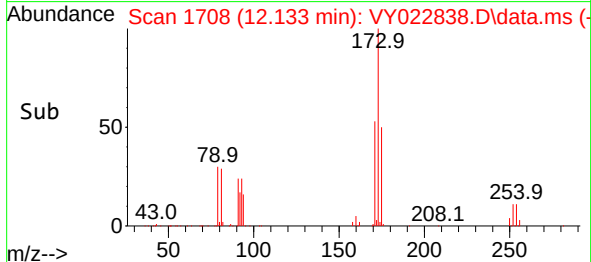
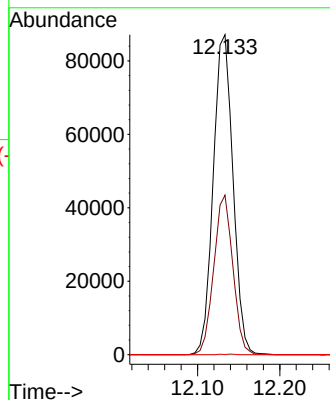
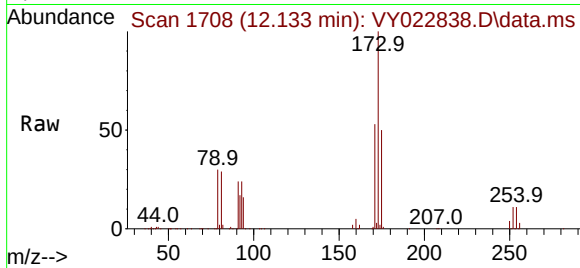




#71  
Bromoform  
Concen: 53.020 ug/l  
RT: 12.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

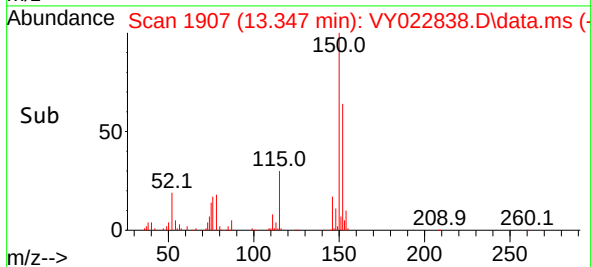
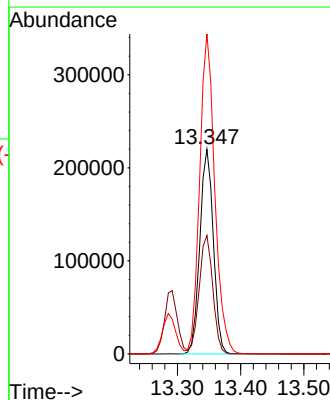
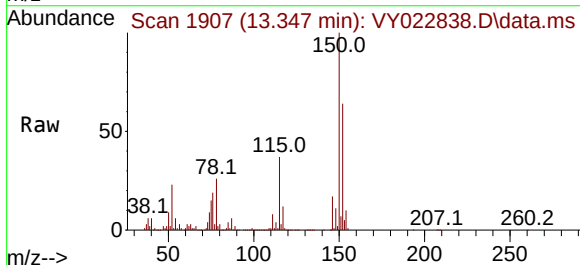
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:173 Resp: 145434  
Ion Ratio Lower Upper  
173 100  
175 48.2 23.8 71.5  
254 0.1 0.0 0.0#

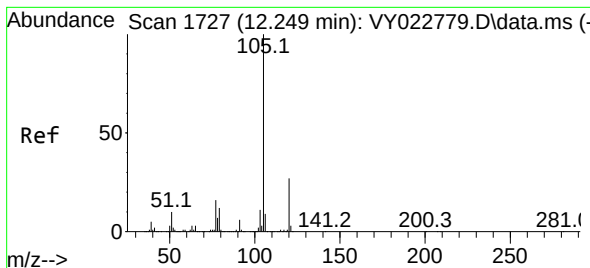


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion:152 Resp: 328091  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.9 86.7  
150 174.2 0.0 349.6







#73

Isopropylbenzene

Concen: 57.530 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

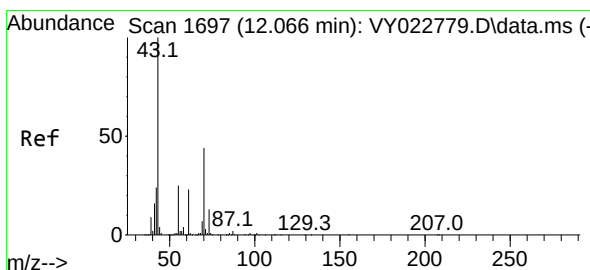
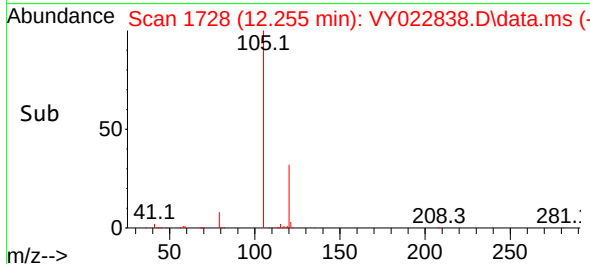
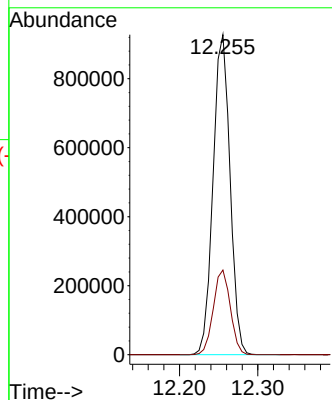
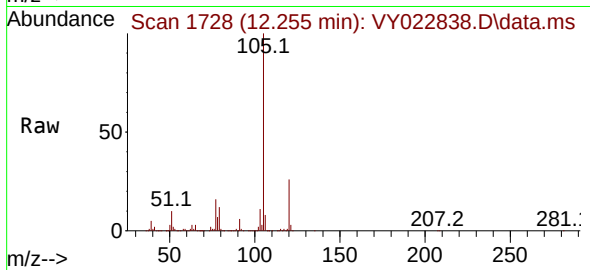
VSTDCCC050

Tgt Ion:105 Resp: 1395939

Ion Ratio Lower Upper

105 100

120 26.5 13.0 38.9



#74

N-ethyl acetate

Concen: 57.788 ug/l

RT: 12.066 min Scan# 1697

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Tgt Ion: 43 Resp: 314738

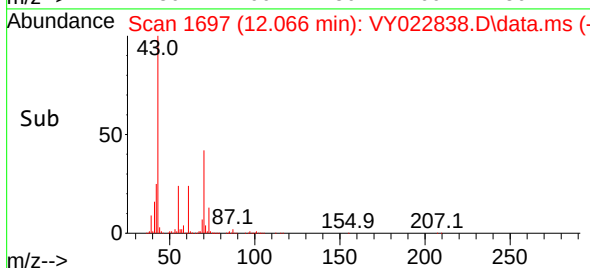
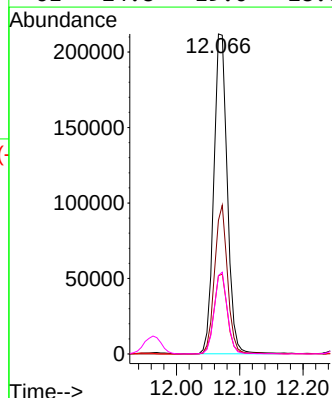
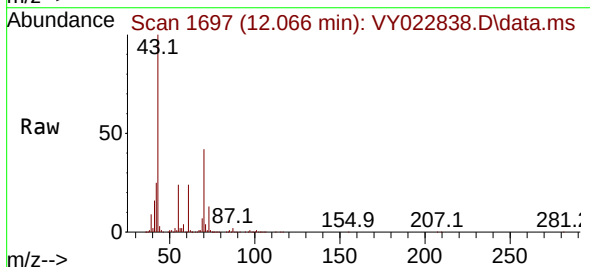
Ion Ratio Lower Upper

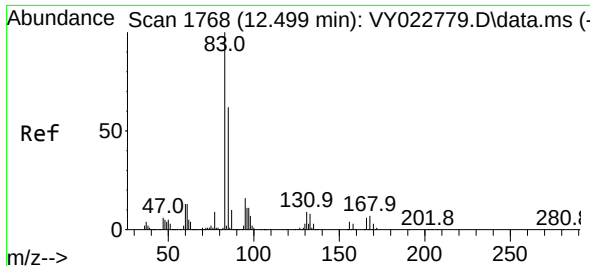
43 100

70 44.4 34.2 51.2

55 25.1 18.2 27.4

61 24.8 19.0 28.6

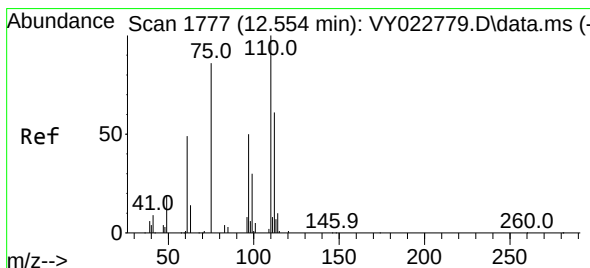
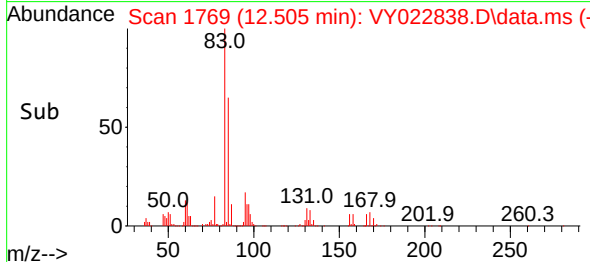
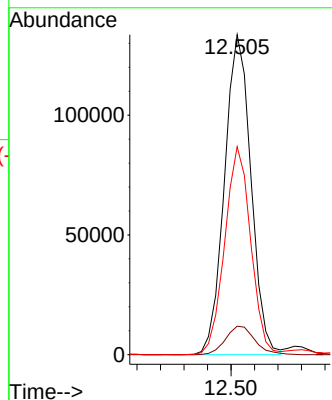
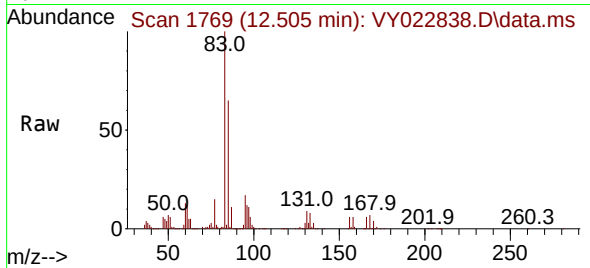




#75  
1,1,2,2-Tetrachloroethane  
Concen: 53.537 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

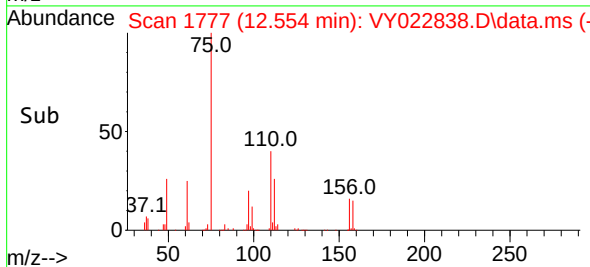
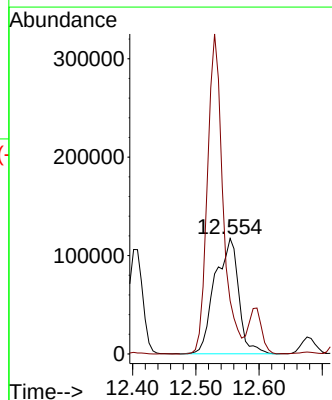
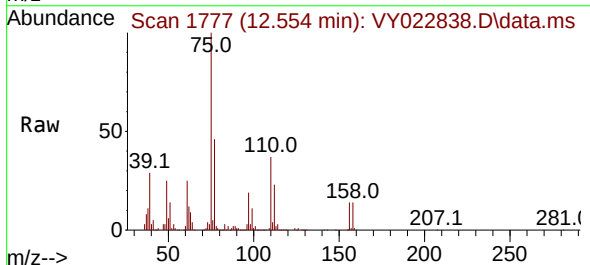
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

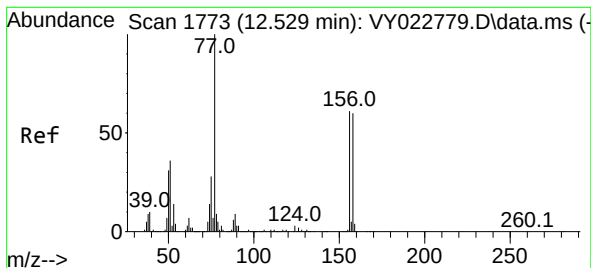
Tgt Ion: 83 Resp: 209366  
Ion Ratio Lower Upper  
83 100  
131 9.8 4.9 14.7  
85 63.7 32.6 97.8



#76  
1,2,3-Trichloropropane  
Concen: 91.195 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 75 Resp: 305460  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 55.147 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

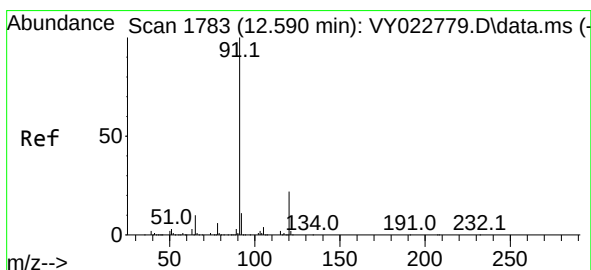
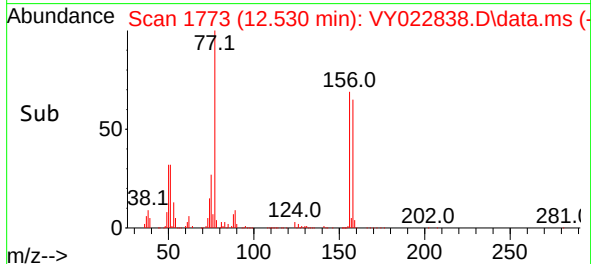
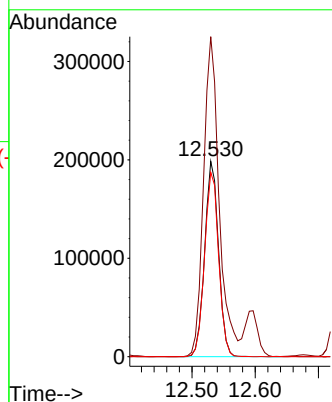
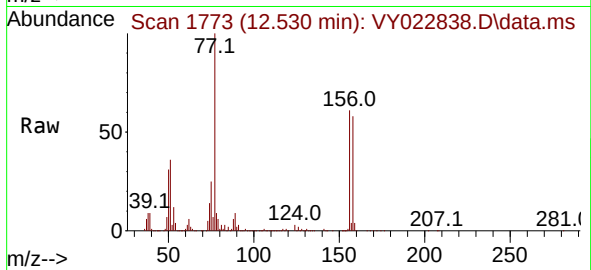
Tgt Ion:156 Resp: 303301

Ion Ratio Lower Upper

156 100

77 184.1 94.0 282.1

158 96.0 48.2 144.6



#78

n-propylbenzene

Concen: 57.741 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY022838.D

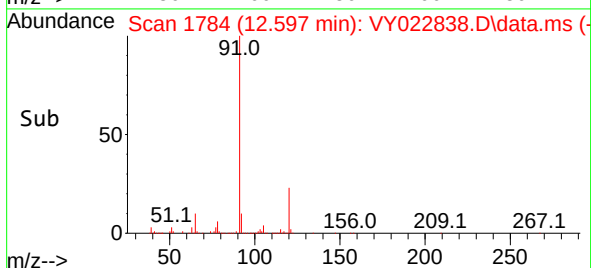
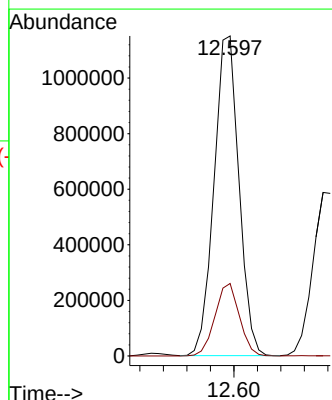
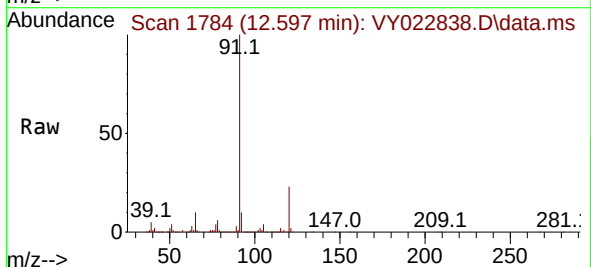
Acq: 26 Jun 2025 10:07

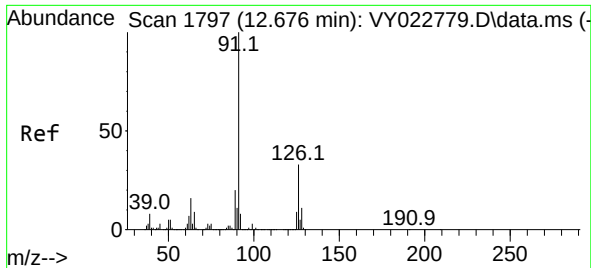
Tgt Ion: 91 Resp: 1691562

Ion Ratio Lower Upper

91 100

120 22.3 10.8 32.4

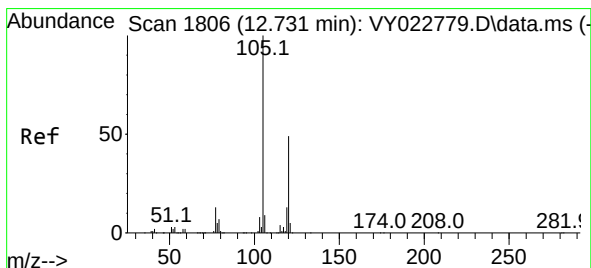
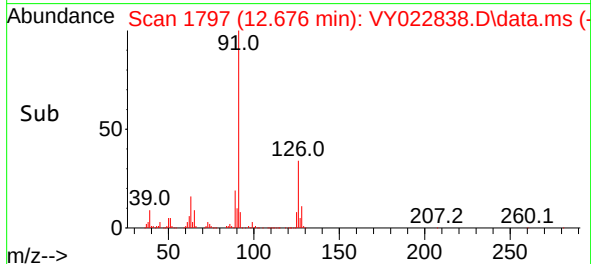
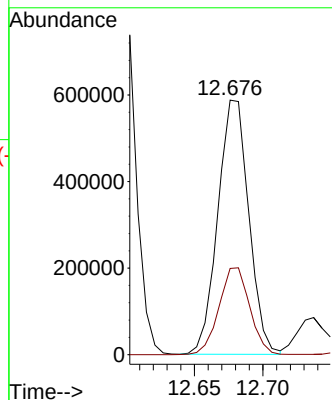
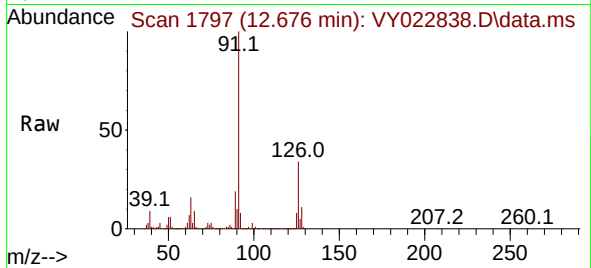




#79  
2-Chlorotoluene  
Concen: 55.952 ug/l  
RT: 12.676 min Scan# 1797  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

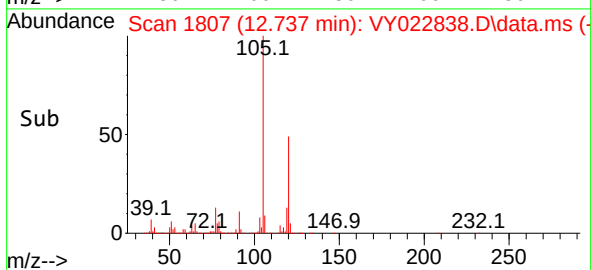
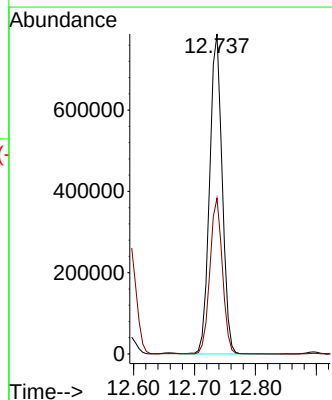
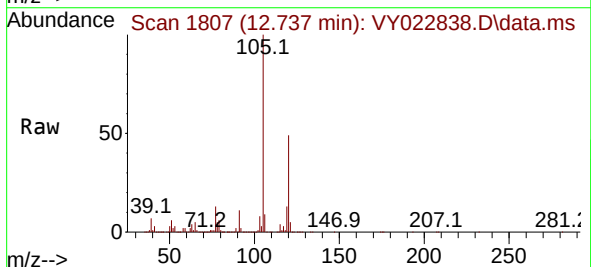
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

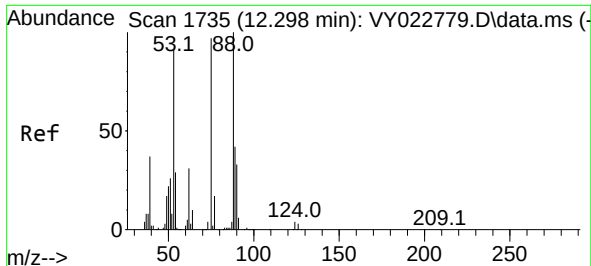
Tgt Ion: 91 Resp: 926101  
Ion Ratio Lower Upper  
91 100  
126 34.0 17.0 51.0



#80  
1,3,5-Trimethylbenzene  
Concen: 57.562 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 105 Resp: 1127520  
Ion Ratio Lower Upper  
105 100  
120 48.4 24.1 72.4

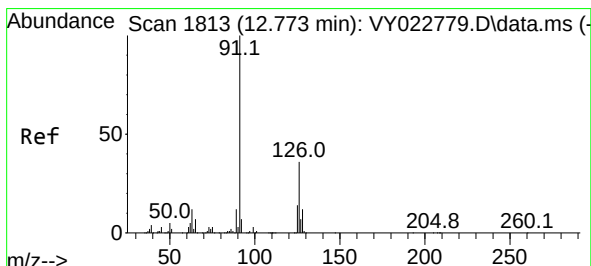
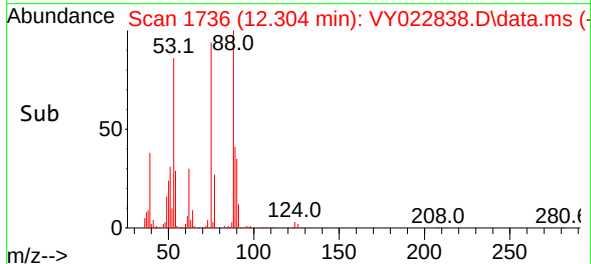
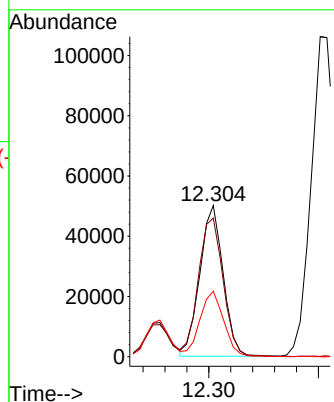
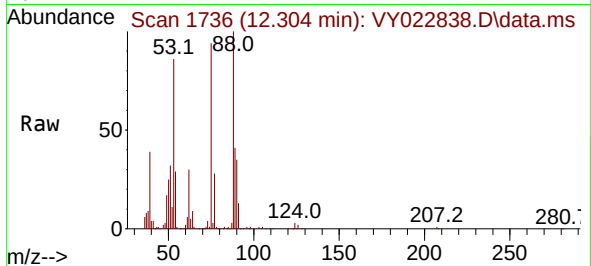




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.690 ug/l  
RT: 12.304 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

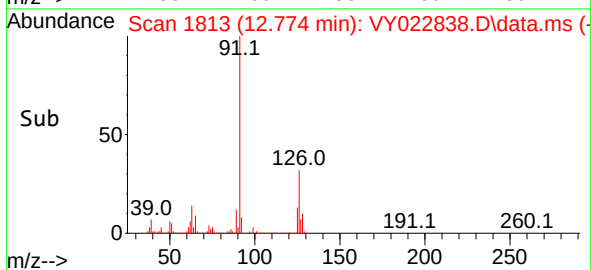
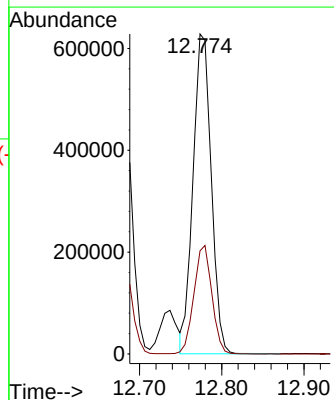
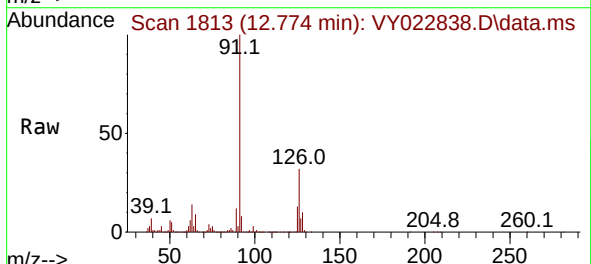
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

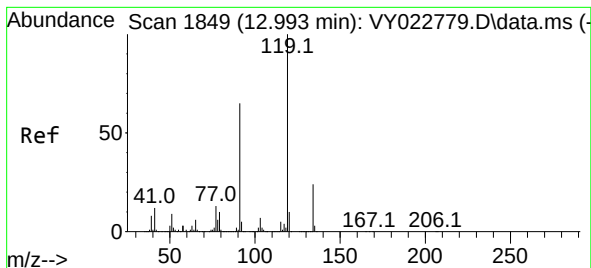
Tgt Ion: 75 Resp: 73835  
Ion Ratio Lower Upper  
75 100  
53 98.1 78.5 117.7  
89 44.7 35.7 53.5



#82  
4-Chlorotoluene  
Concen: 55.588 ug/l  
RT: 12.774 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 91 Resp: 966445  
Ion Ratio Lower Upper  
91 100  
126 33.5 17.0 50.9





#83

tert-Butylbenzene

Concen: 58.110 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

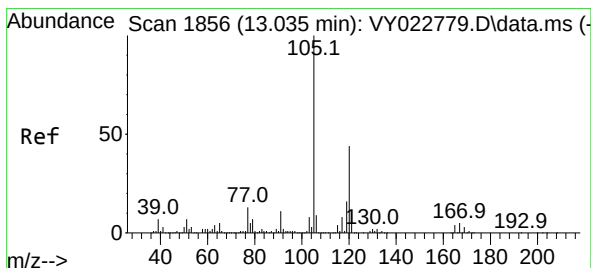
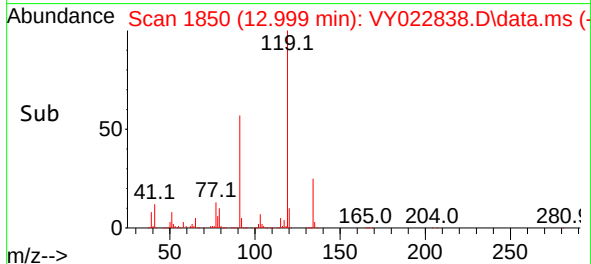
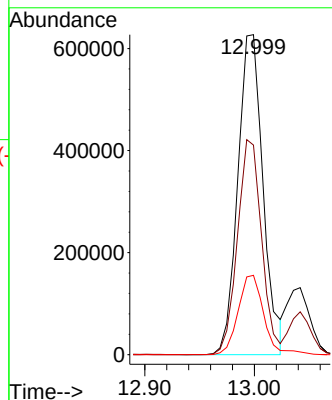
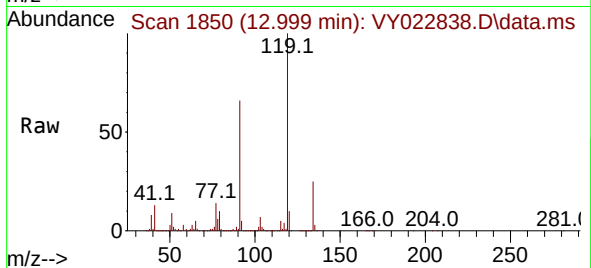
Tgt Ion:119 Resp: 1003847

Ion Ratio Lower Upper

119 100

91 64.4 32.1 96.3

134 25.3 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 57.071 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. 0.000 min

Lab File: VY022838.D

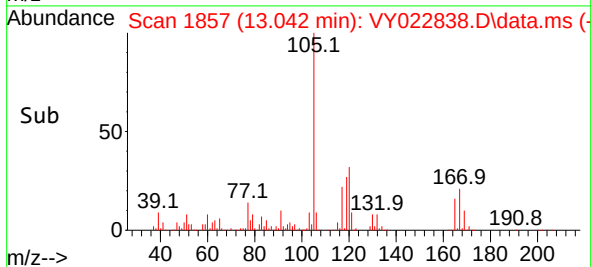
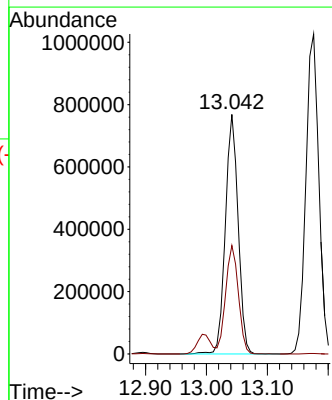
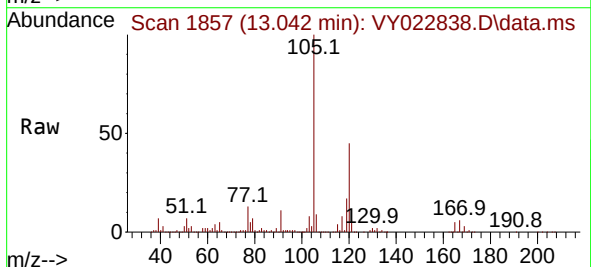
Acq: 26 Jun 2025 10:07

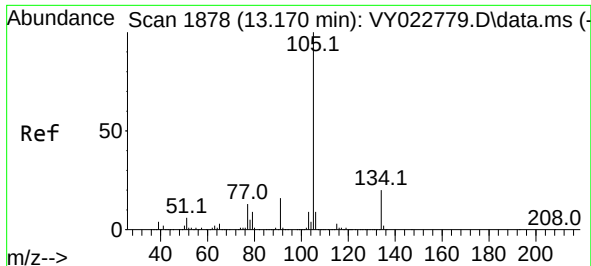
Tgt Ion:105 Resp: 1119232

Ion Ratio Lower Upper

105 100

120 45.0 22.7 68.1

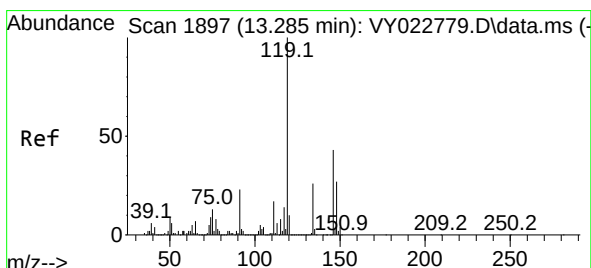
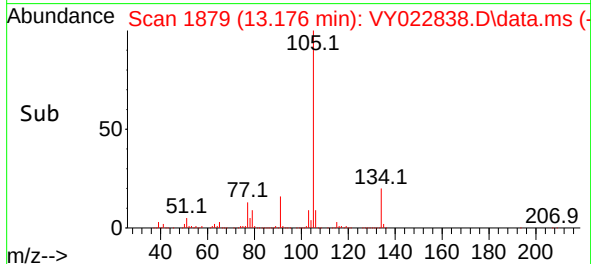
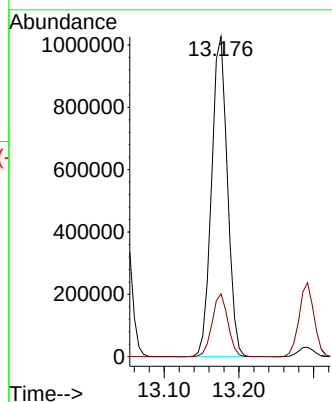
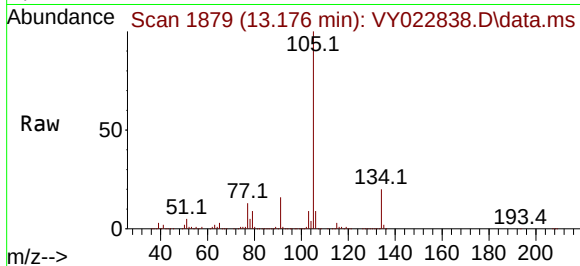




#85  
 sec-Butylbenzene  
 Concen: 58.122 ug/l  
 RT: 13.176 min Scan# 1878  
 Delta R.T. 0.000 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

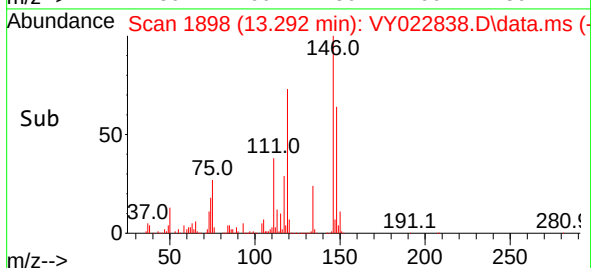
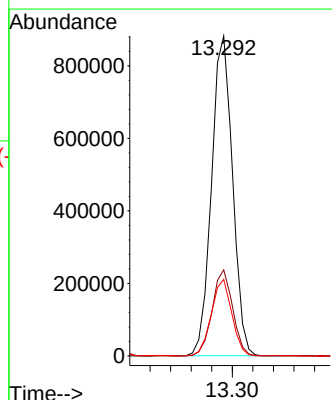
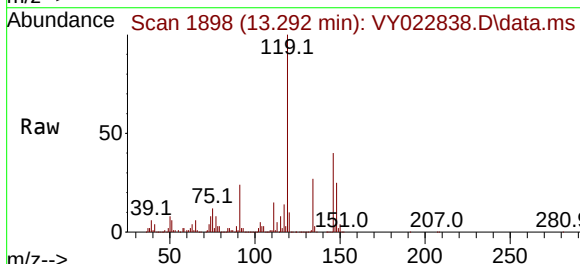
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

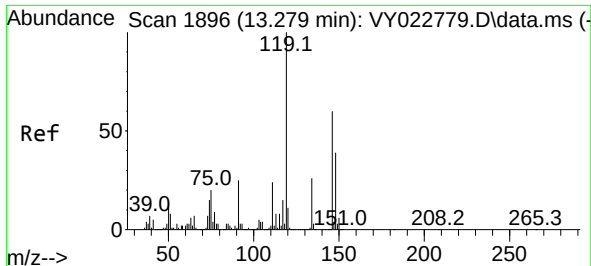
Tgt Ion:105 Resp: 1510693  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 57.724 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY022838.D  
 Acq: 26 Jun 2025 10:07

Tgt Ion:119 Resp: 1248531  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.1 39.1  
 91 23.4 11.6 34.8





#87

1,3-Dichlorobenzene

Concen: 55.125 ug/l

RT: 13.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

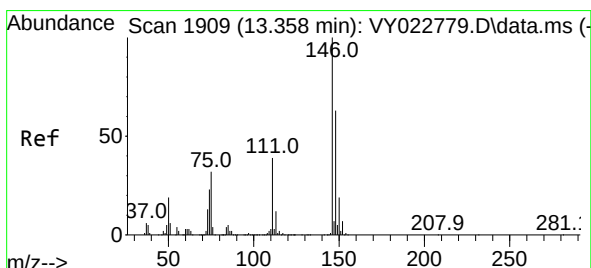
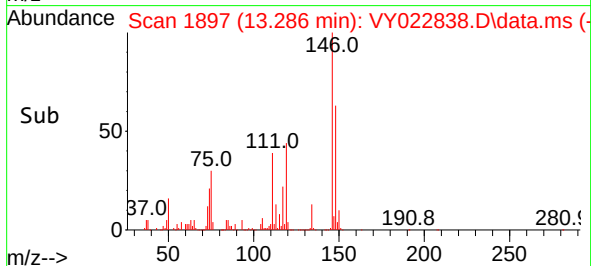
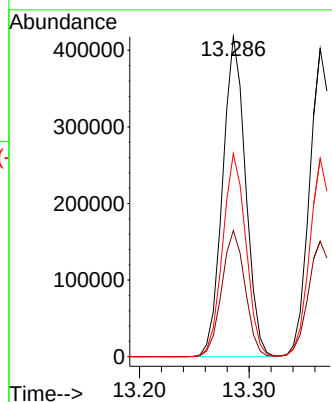
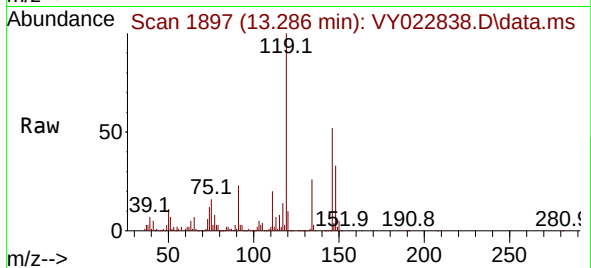
Tgt Ion:146 Resp: 608907

Ion Ratio Lower Upper

146 100

111 39.8 20.1 60.2

148 64.1 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 54.257 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

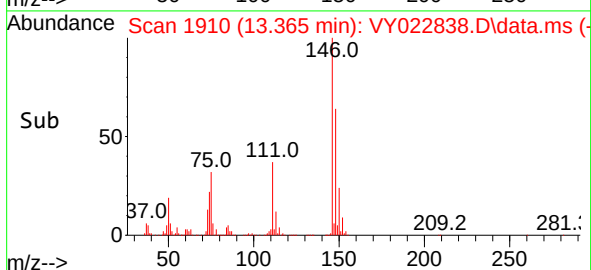
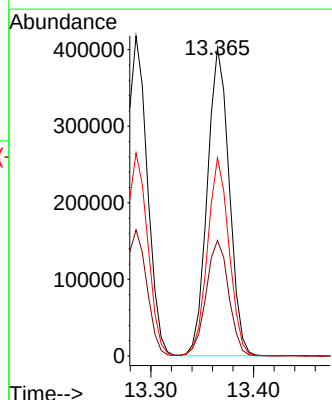
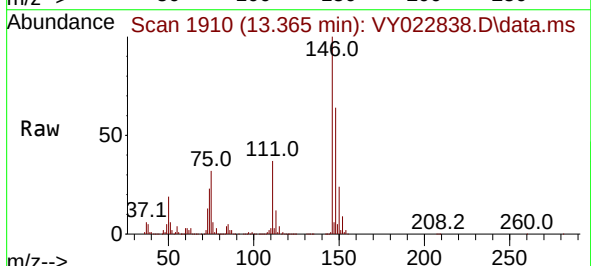
Tgt Ion:146 Resp: 595323

Ion Ratio Lower Upper

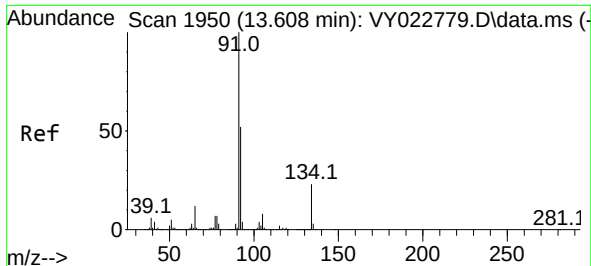
146 100

111 38.8 19.4 58.2

148 63.5 31.6 94.8



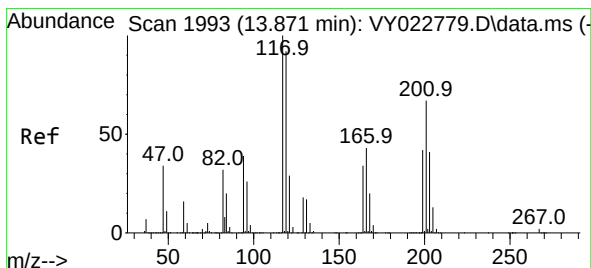
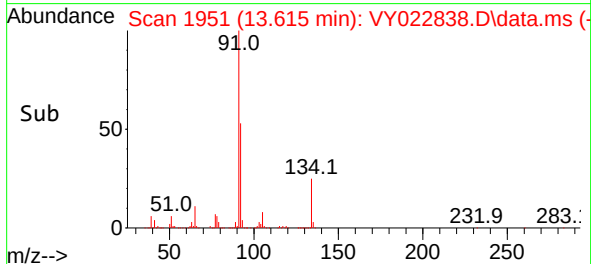
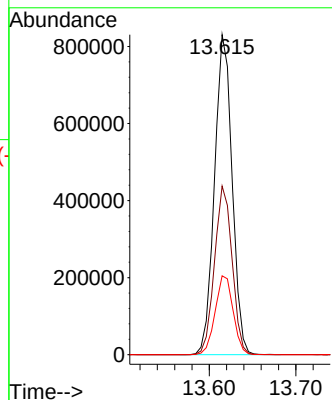
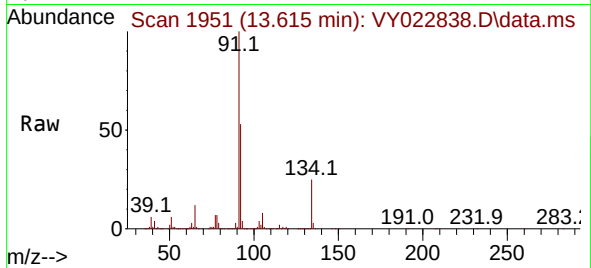




#89  
n-Butylbenzene  
Concen: 57.717 ug/l  
RT: 13.615 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

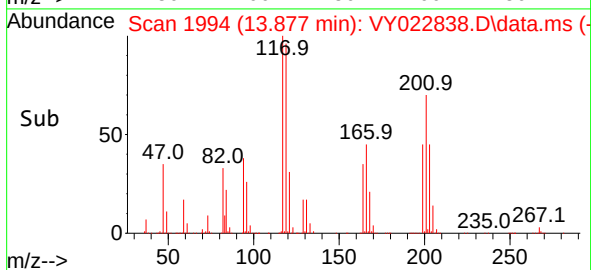
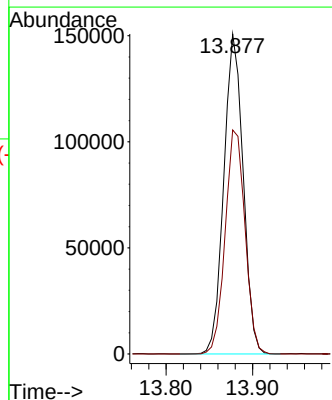
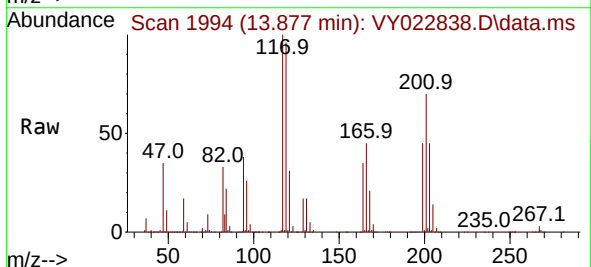
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

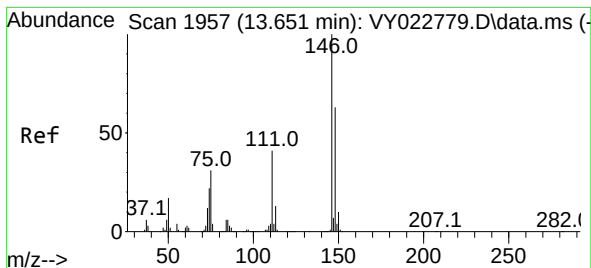
Tgt Ion: 91 Resp: 1174277  
Ion Ratio Lower Upper  
91 100  
92 52.6 25.9 77.8  
134 25.2 12.0 36.1



#90  
Hexachloroethane  
Concen: 54.236 ug/l  
RT: 13.877 min Scan# 1994  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion: 117 Resp: 233648  
Ion Ratio Lower Upper  
117 100  
201 72.0 34.0 102.0





#91

1,2-Dichlorobenzene

Concen: 54.097 ug/l

RT: 13.658 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

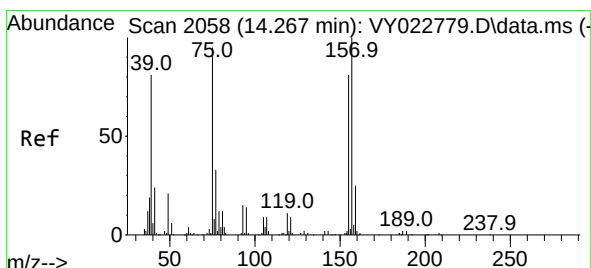
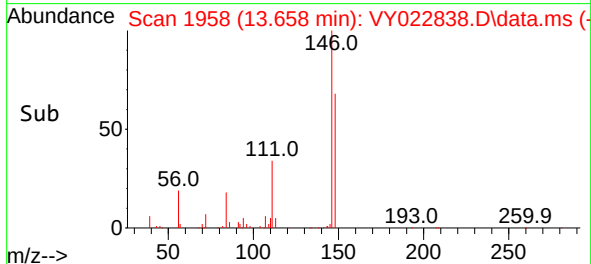
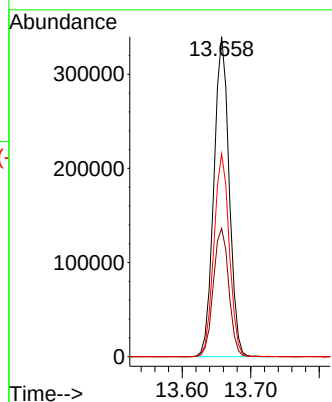
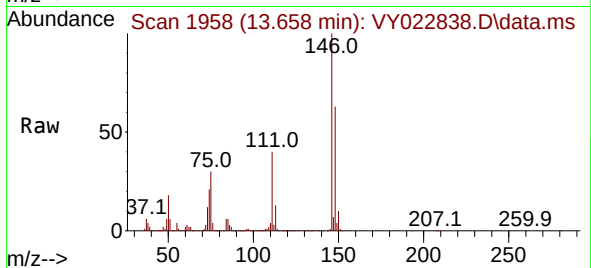
Tgt Ion:146 Resp: 526588

Ion Ratio Lower Upper

146 100

111 40.6 20.2 60.6

148 63.7 31.4 94.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.928 ug/l

RT: 14.273 min Scan# 2059

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

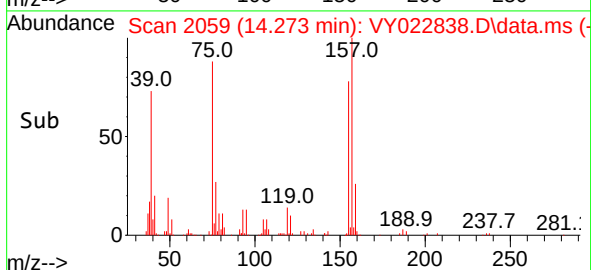
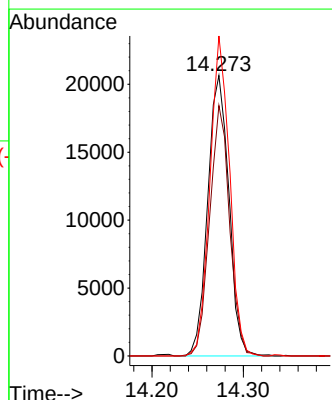
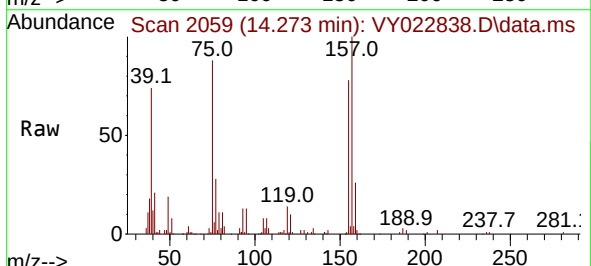
Tgt Ion: 75 Resp: 33111

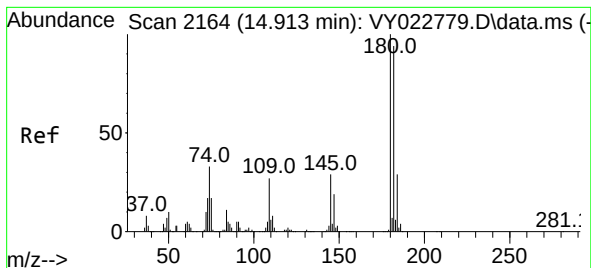
Ion Ratio Lower Upper

75 100

155 84.4 39.9 119.6

157 106.1 54.0 162.0





#93

1,2,4-Trichlorobenzene

Concen: 51.074 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

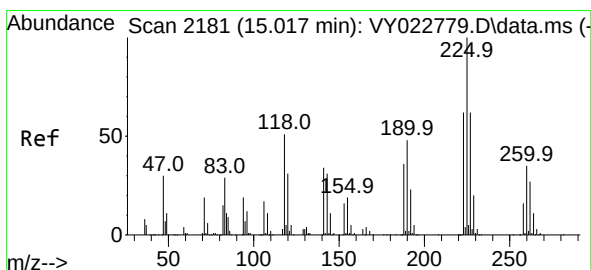
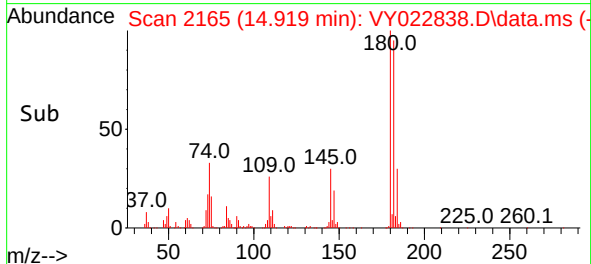
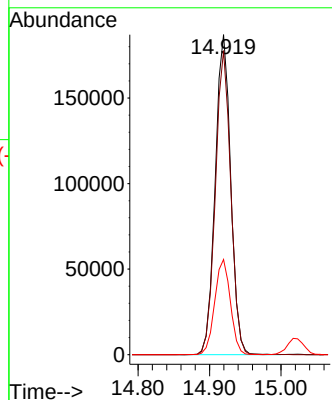
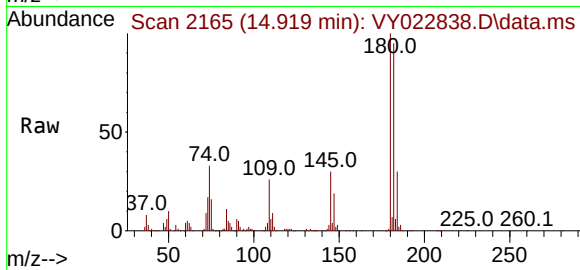
Tgt Ion:180 Resp: 280703

Ion Ratio Lower Upper

180 100

182 94.6 48.4 145.3

145 30.2 15.5 46.5



#94

Hexachlorobutadiene

Concen: 50.299 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY022838.D

Acq: 26 Jun 2025 10:07

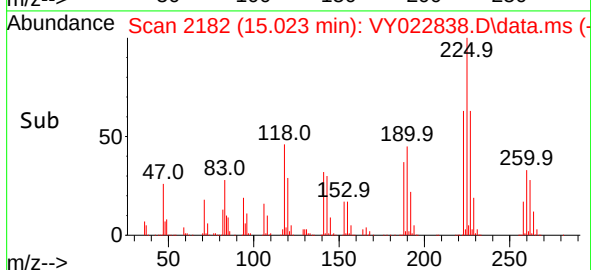
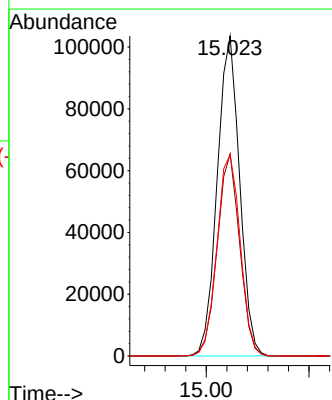
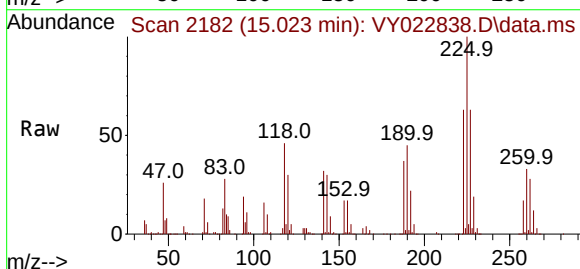
Tgt Ion:225 Resp: 156322

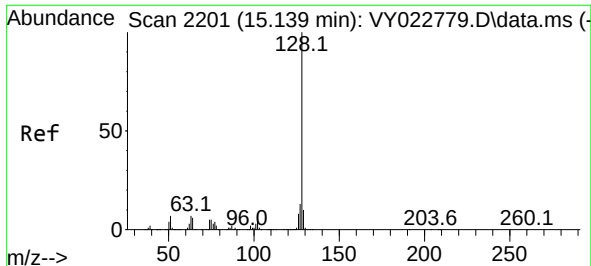
Ion Ratio Lower Upper

225 100

223 63.0 32.5 97.4

227 65.5 32.3 96.9

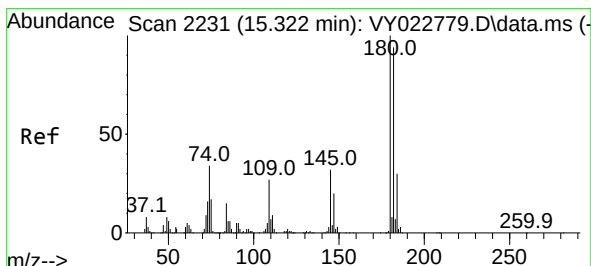
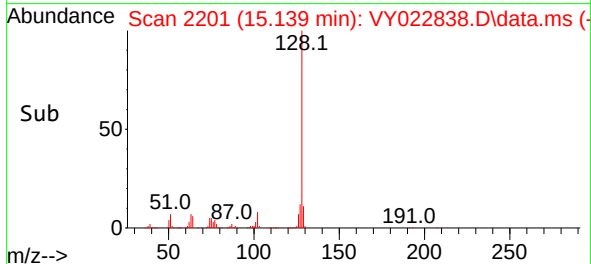
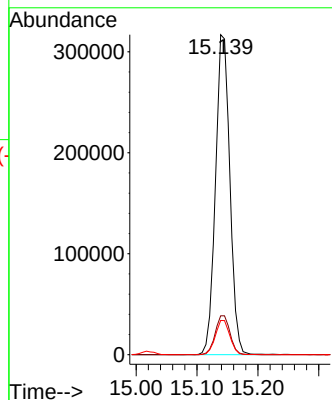
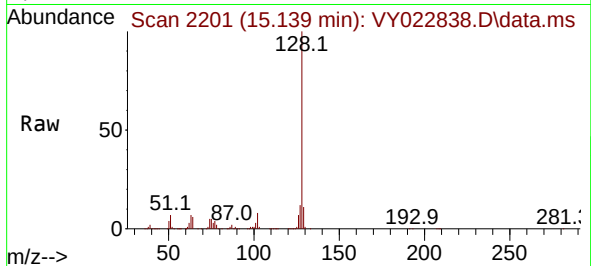




#95  
Naphthalene  
Concen: 52.158 ug/l  
RT: 15.139 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 518379  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.4 15.6  
129 10.8 8.9 13.3



#96  
1,2,3-Trichlorobenzene  
Concen: 49.190 ug/l  
RT: 15.328 min Scan# 2232  
Delta R.T. 0.000 min  
Lab File: VY022838.D  
Acq: 26 Jun 2025 10:07

Tgt Ion:180 Resp: 233613  
Ion Ratio Lower Upper  
180 100  
182 95.9 47.1 141.3  
145 31.3 15.2 45.6

