

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY012425\  
 Data File : VY020923.D  
 Acq On : 24 Jan 2025 09:42  
 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: Jan 25 01:56:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 00:38:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.726  | 168  | 213655   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.634  | 114  | 308546   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.432 | 117  | 262517   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.359 | 152  | 132244   | 50.000 | ug/l  | -0.01    |

|                             |        |       |          |          |             |       |
|-----------------------------|--------|-------|----------|----------|-------------|-------|
| System Monitoring Compounds |        |       |          |          |             |       |
| 33) 1,2-Dichloroethane-d4   | 8.079  | 65    | 111464   | 61.379   | ug/l        | -0.01 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 122.760%  |       |
| 35) Dibromofluoromethane    | 7.652  | 113   | 117257   | 60.660   | ug/l        | -0.01 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 121.320%  |       |
| 50) Toluene-d8              | 10.121 | 98    | 458871   | 68.097   | ug/l        | -0.01 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 136.200%# |       |
| 62) 4-Bromofluorobenzene    | 12.420 | 95    | 153336   | 61.620   | ug/l        | 0.00  |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 123.240%  |       |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.873 | 85  | 61036  | 38.926  | ug/l   | 98  |
| 3) Chloromethane             | 2.080 | 50  | 40046  | 48.505  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.214 | 62  | 48422  | 52.759  | ug/l   | 94  |
| 5) Bromomethane              | 2.611 | 94  | 28521  | 43.630  | ug/l   | 97  |
| 6) Chloroethane              | 2.751 | 64  | 31677  | 55.964  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.080 | 101 | 129754 | 46.064  | ug/l   | 96  |
| 8) Diethyl Ether             | 3.470 | 74  | 43862  | 49.793  | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 3.836 | 101 | 92187  | 48.463  | ug/l   | 99  |
| 10) Methyl Iodide            | 4.025 | 142 | 99874  | 48.993  | ug/l   | 96  |
| 11) Tert butyl alcohol       | 4.940 | 59  | 36375  | 265.082 | ug/l # | 73  |
| 12) 1,1-Dichloroethene       | 3.812 | 96  | 78766  | 47.274  | ug/l   | 98  |
| 13) Acrolein                 | 3.684 | 56  | 10958  | 284.358 | ug/l   | 99  |
| 14) Allyl chloride           | 4.409 | 41  | 119145 | 49.566  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.092 | 53  | 102756 | 274.473 | ug/l   | 99  |
| 16) Acetone                  | 3.903 | 43  | 68797  | 266.409 | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.129 | 76  | 156945 | 43.421  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.409 | 43  | 51810  | 59.419  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 5.147 | 73  | 237234 | 50.453  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.635 | 84  | 85443  | 47.910  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.141 | 96  | 85426  | 46.558  | ug/l   | 99  |
| 22) Diisopropyl ether        | 6.043 | 45  | 282276 | 55.126  | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.982 | 43  | 778761 | 275.833 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 5.939 | 63  | 165268 | 48.920  | ug/l   | 100 |
| 25) 2-Butanone               | 6.921 | 43  | 123482 | 291.094 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.909 | 77  | 163415 | 46.589  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 6.915 | 96  | 110484 | 47.726  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.268 | 49  | 54546  | 59.836  | ug/l   | 93  |
| 29) Tetrahydrofuran          | 7.287 | 42  | 81765  | 301.739 | ug/l   | 94  |
| 30) Chloroform               | 7.439 | 83  | 181456 | 47.099  | ug/l   | 99  |
| 31) Cyclohexane              | 7.720 | 56  | 124416 | 47.083  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.640 | 97  | 169923 | 45.217  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.854 | 75  | 121433 | 49.252  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.006 | 43  | 58026  | 59.140  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.835 | 117 | 157409 | 45.864  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.122 | 83  | 146237 | 48.334  | ug/l   | 98  |
| 40) Benzene                  | 8.097 | 78  | 372072 | 49.170  | ug/l   | 100 |

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 Acq On : 24 Jan 2025 09:42  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050

Quant Time: Jan 25 01:56:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 00:38:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.238  | 41   | 31135    | 55.409   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.177  | 62   | 99581    | 48.188   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.213  | 43   | 117060   | 58.657   | ug/l   | 98       |
| 44) Trichloroethene           | 8.884  | 130  | 101657   | 48.191   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.152  | 63   | 90311    | 52.645   | ug/l   | 98       |
| 46) Dibromomethane            | 9.250  | 93   | 51422    | 52.200   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.439  | 83   | 142122   | 50.376   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.238  | 41   | 52661    | 58.860   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.262  | 88   | 11105    | 1061.758 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.012 | 43   | 307689   | 308.614  | ug/l   | 99       |
| 52) Toluene                   | 10.189 | 92   | 246409   | 49.174   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.408 | 75   | 128281   | 51.124   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.872  | 75   | 148176   | 50.847   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.585 | 97   | 75820    | 53.875   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.451 | 69   | 102160   | 57.479   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.731 | 76   | 122645   | 53.463   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.725  | 63   | 209616   | 297.291  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.774 | 43   | 203940   | 318.843  | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.926 | 129  | 104301   | 51.101   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.030 | 107  | 68769    | 54.429   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.658 | 164  | 89289    | 46.262   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.457 | 112  | 280168   | 48.270   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.530 | 131  | 106526   | 48.210   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.536 | 91   | 483681   | 48.132   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.646 | 106  | 368707   | 95.297   | ug/l   | 99       |
| 69) o-Xylene                  | 11.969 | 106  | 174766   | 47.641   | ug/l   | 99       |
| 70) Styrene                   | 11.981 | 104  | 301844   | 48.881   | ug/l   | 99       |
| 71) Bromoform                 | 12.146 | 173  | 65264    | 51.957   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.267 | 105  | 484609   | 46.192   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.085 | 43   | 101202   | 58.973   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.517 | 83   | 87671    | 55.136   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.572 | 75   | 110377   | 95.390   | ug/l # | 100      |
| 77) Bromobenzene              | 12.548 | 156  | 114865   | 47.488   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.609 | 91   | 566085   | 47.538   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.694 | 91   | 319907   | 46.651   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.749 | 105  | 390108   | 45.883   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.316 | 75   | 29468    | 53.698   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.792 | 91   | 322715   | 45.602   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.011 | 119  | 361048   | 45.403   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.060 | 105  | 387550   | 46.678   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.188 | 105  | 521182   | 46.922   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.304 | 119  | 438246   | 46.251   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.304 | 146  | 220940   | 47.010   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.383 | 146  | 218126   | 47.149   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.633 | 91   | 386951   | 47.073   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.895 | 117  | 87505    | 45.992   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.676 | 146  | 193977   | 47.204   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.291 | 75   | 13475    | 52.411   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.938 | 180  | 116361   | 49.203   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.041 | 225  | 74869    | 44.907   | ug/l   | 99       |
| 95) Naphthalene               | 15.163 | 128  | 207073   | 53.201   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.346 | 180  | 99797    | 50.369   | ug/l   | 99       |

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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: Jan 25 01:56:31 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010625S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 00:38:42 2025  
Response via : Initial Calibration

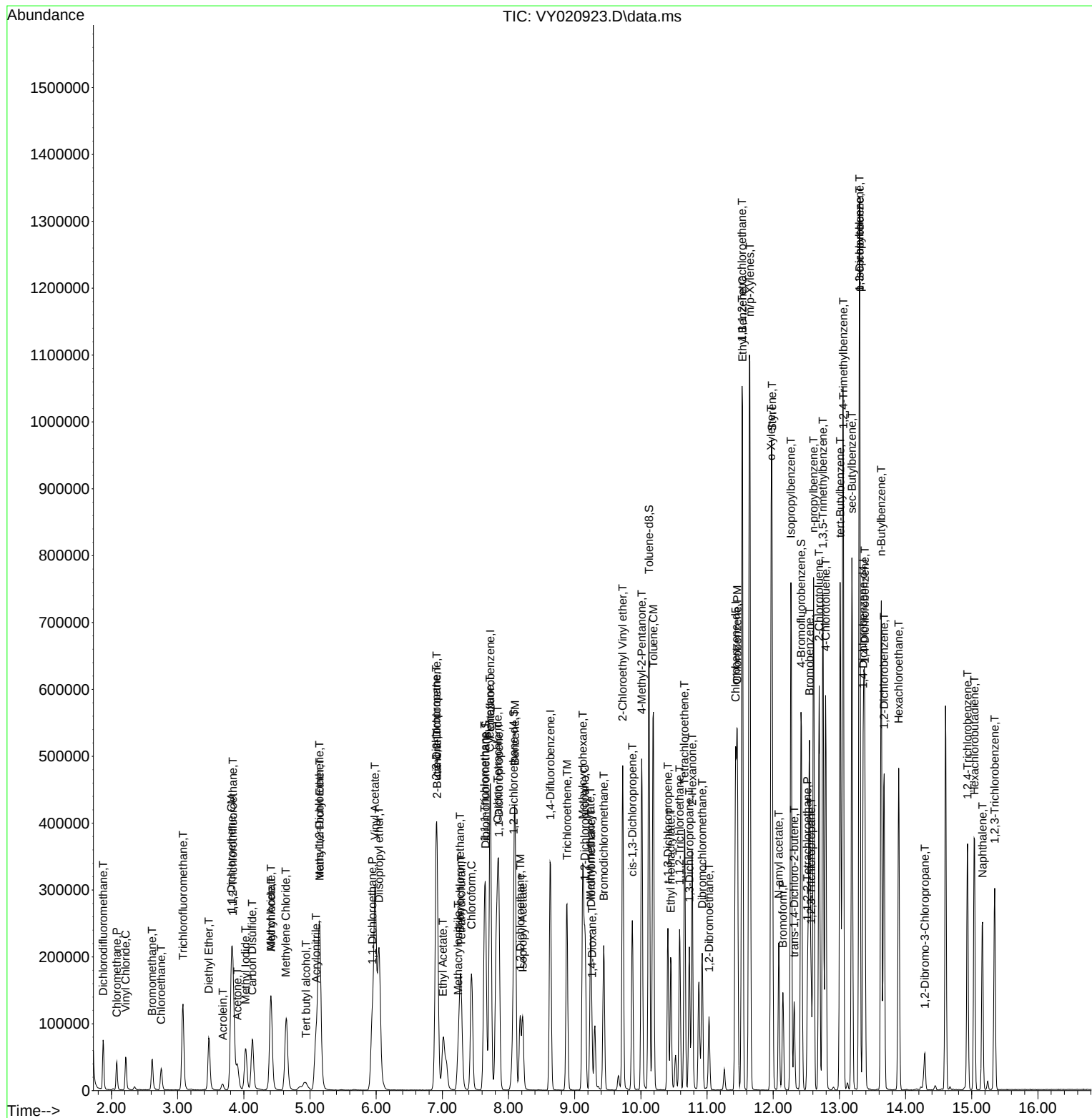
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

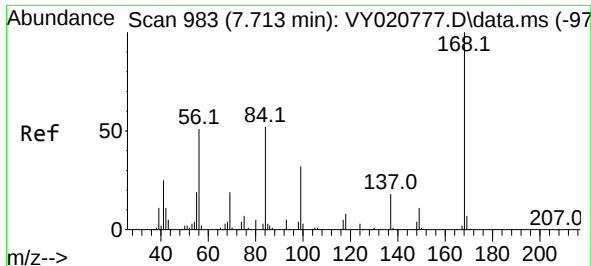
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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

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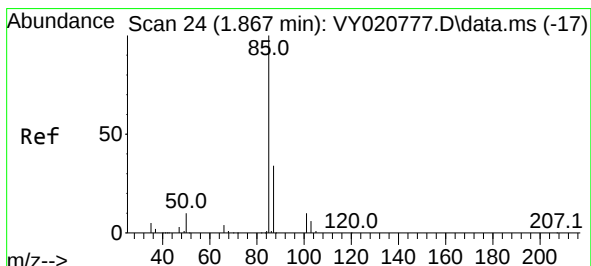
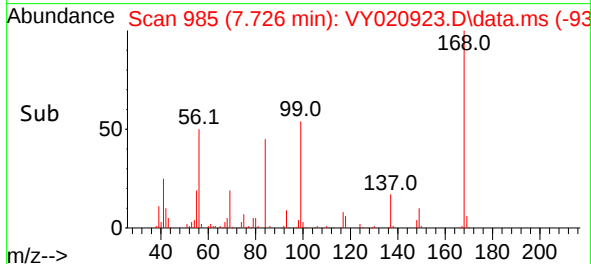
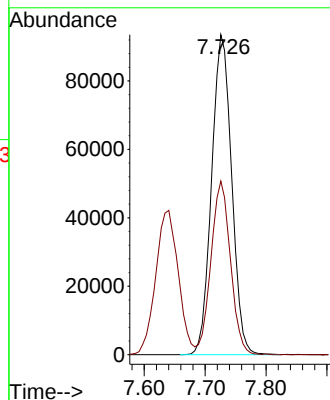
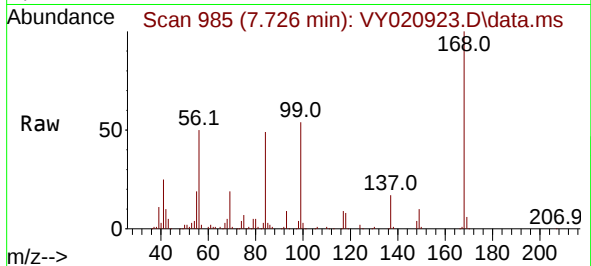




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.726 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

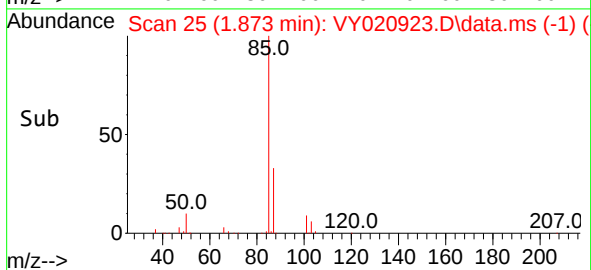
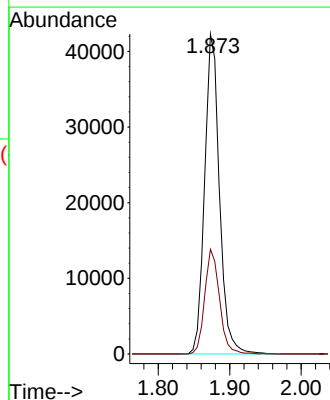
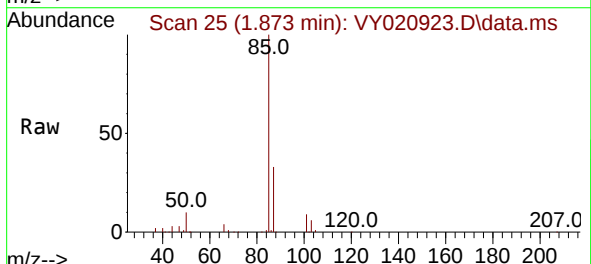
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

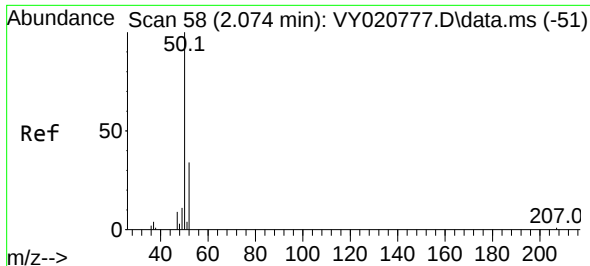
Tgt Ion:168 Resp: 213655  
Ion Ratio Lower Upper  
168 100  
99 54.3 44.3 66.5



#2  
Dichlorodifluoromethane  
Concen: 38.926 ug/l  
RT: 1.873 min Scan# 25  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 85 Resp: 61036  
Ion Ratio Lower Upper  
85 100  
87 32.7 16.9 50.6

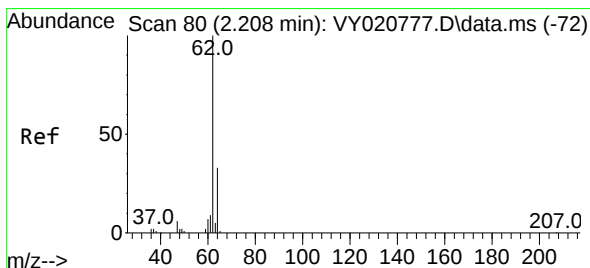
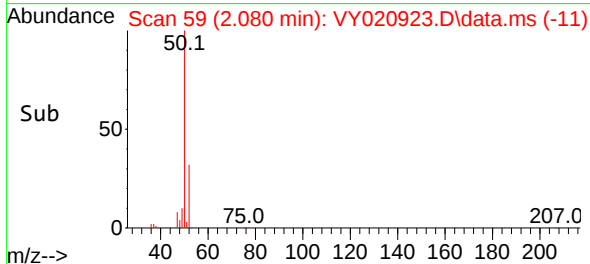
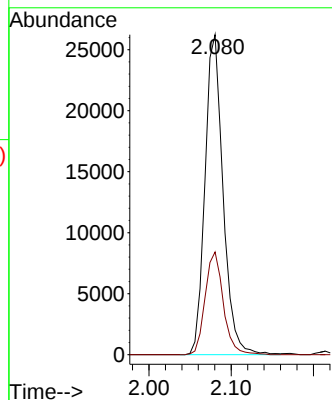
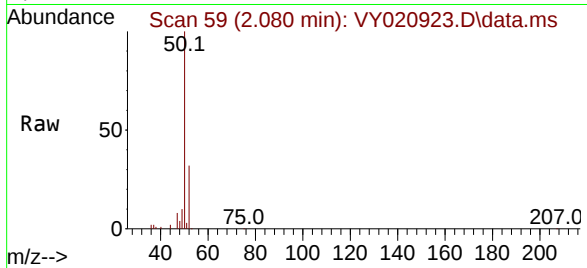




#3  
Chloromethane  
Concen: 48.505 ug/l  
RT: 2.080 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

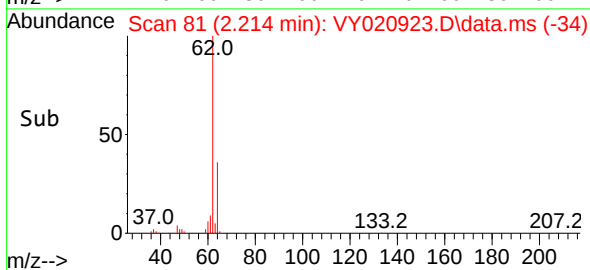
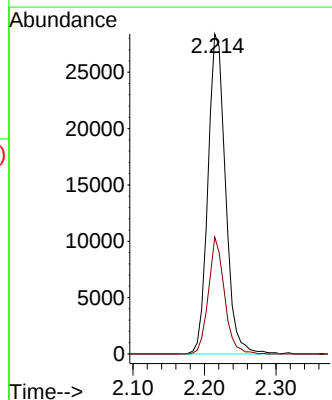
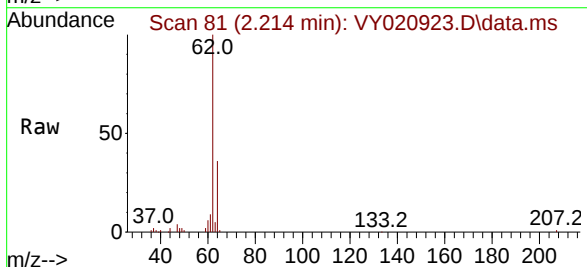
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

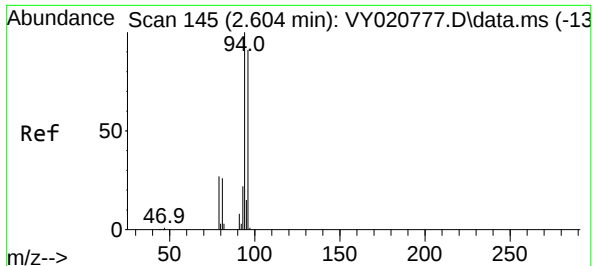
Tgt Ion: 50 Resp: 40046  
Ion Ratio Lower Upper  
50 100  
52 32.1 27.3 40.9



#4  
Vinyl Chloride  
Concen: 52.759 ug/l  
RT: 2.214 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 62 Resp: 48422  
Ion Ratio Lower Upper  
62 100  
64 36.5 26.6 39.8

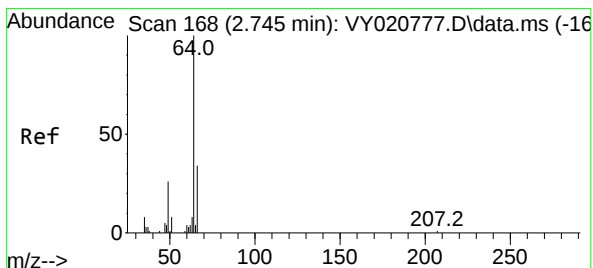
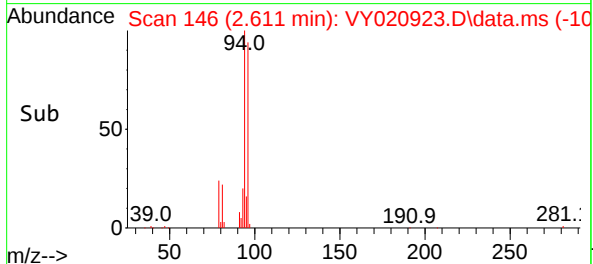
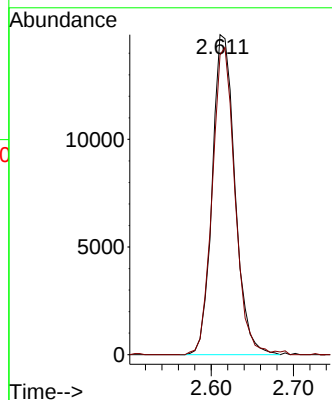
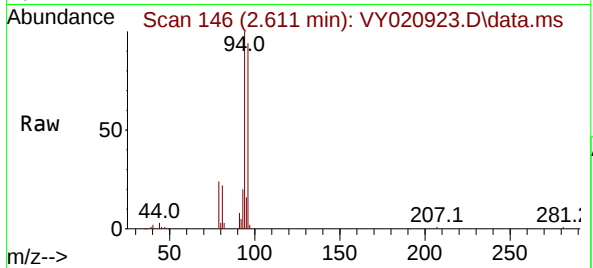




#5  
Bromomethane  
Concen: 43.630 ug/l  
RT: 2.611 min Scan# 145  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

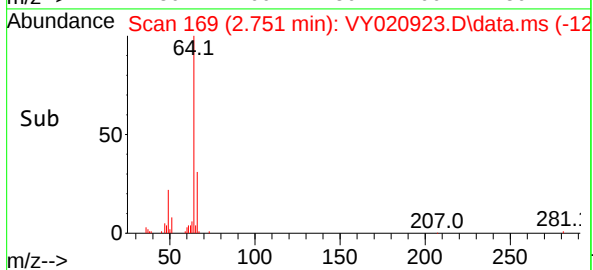
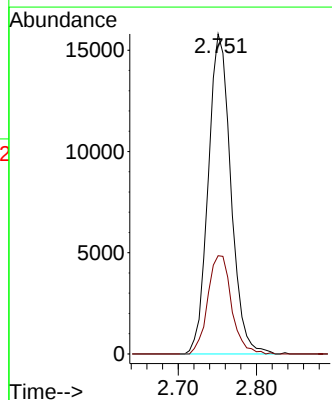
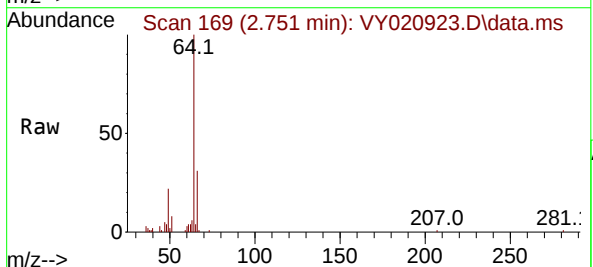
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

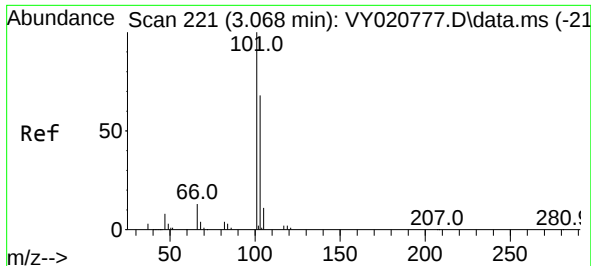
Tgt Ion: 94 Resp: 28521  
Ion Ratio Lower Upper  
94 100  
96 93.7 72.6 109.0



#6  
Chloroethane  
Concen: 55.964 ug/l  
RT: 2.751 min Scan# 169  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 64 Resp: 31677  
Ion Ratio Lower Upper  
64 100  
66 30.7 26.9 40.3

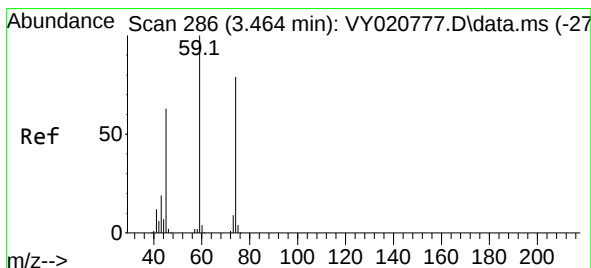
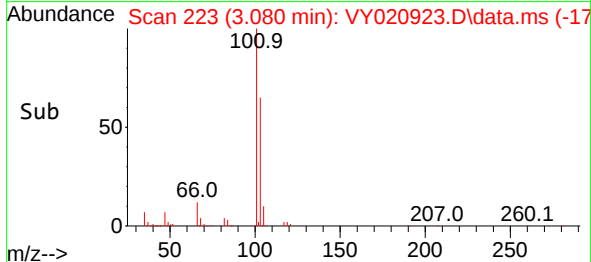
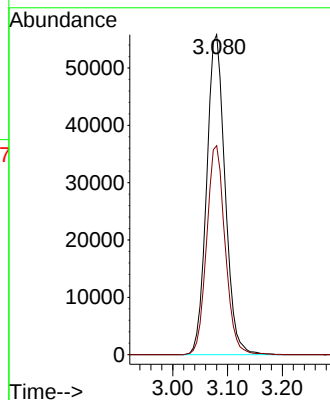
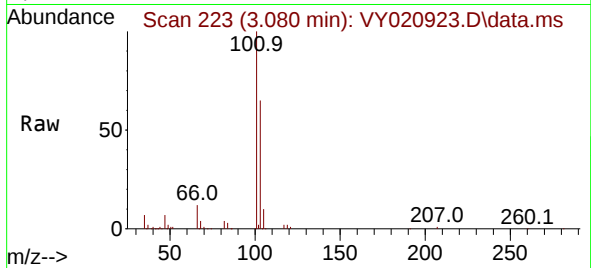




#7  
Trichlorofluoromethane  
Concen: 46.064 ug/l  
RT: 3.080 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

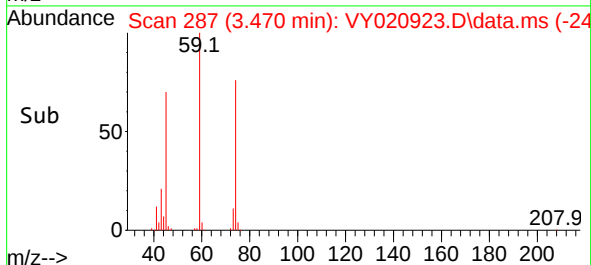
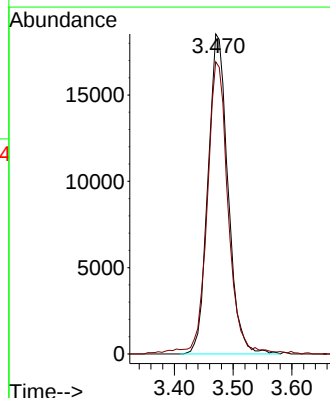
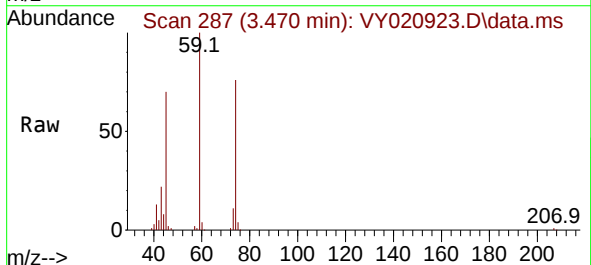
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

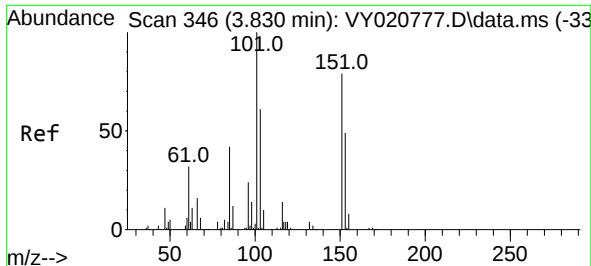
Tgt Ion:101 Resp: 129754  
Ion Ratio Lower Upper  
101 100  
103 65.3 54.6 82.0



#8  
Diethyl Ether  
Concen: 49.793 ug/l  
RT: 3.470 min Scan# 287  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 74 Resp: 43862  
Ion Ratio Lower Upper  
74 100  
45 95.9 41.3 124.1

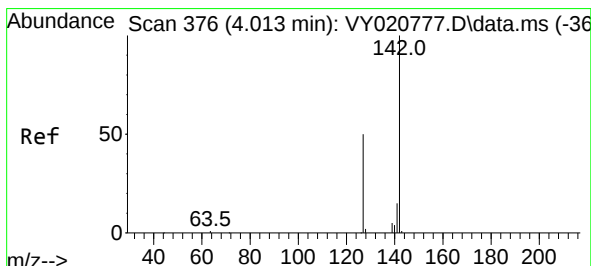
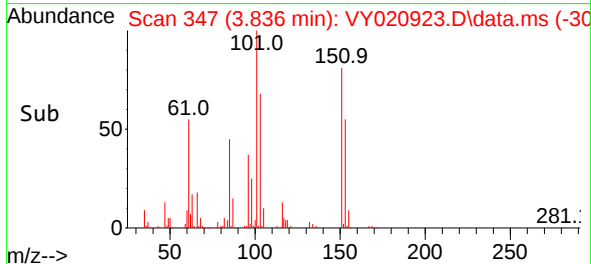
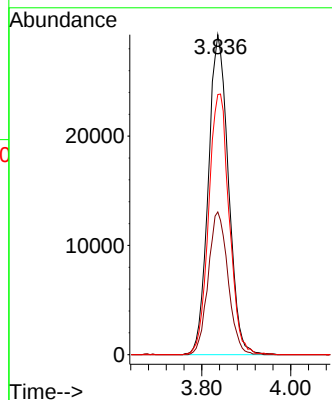
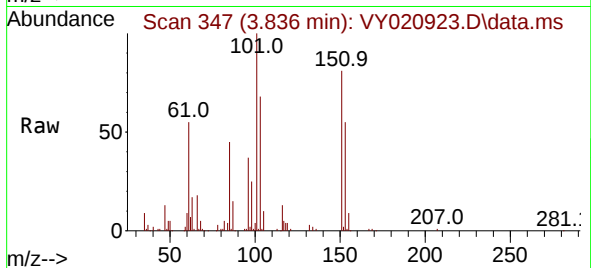




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 48.463 ug/l  
RT: 3.836 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

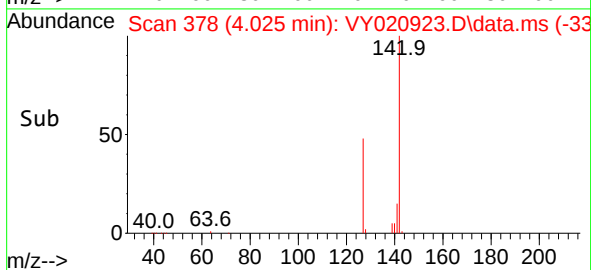
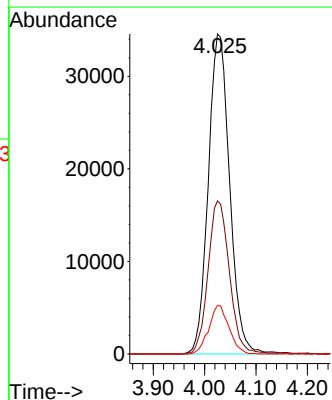
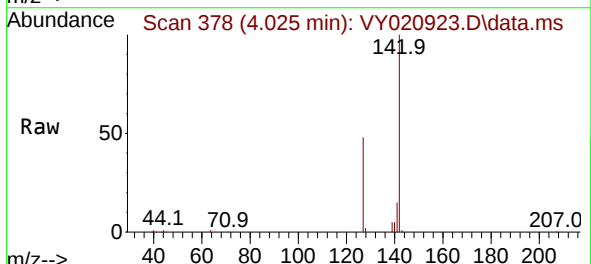
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

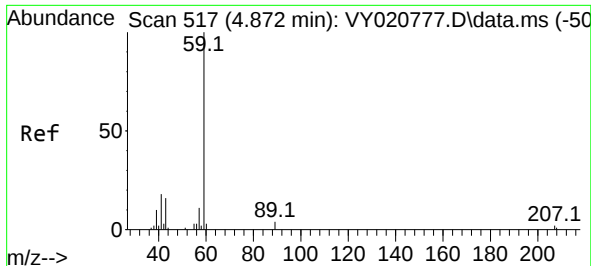
Tgt Ion:101 Resp: 92187  
Ion Ratio Lower Upper  
101 100  
85 43.9 35.9 53.9  
151 83.0 66.9 100.3



#10  
Methyl Iodide  
Concen: 48.993 ug/l  
RT: 4.025 min Scan# 378  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion:142 Resp: 99874  
Ion Ratio Lower Upper  
142 100  
127 47.7 41.0 61.6  
141 14.4 11.6 17.4

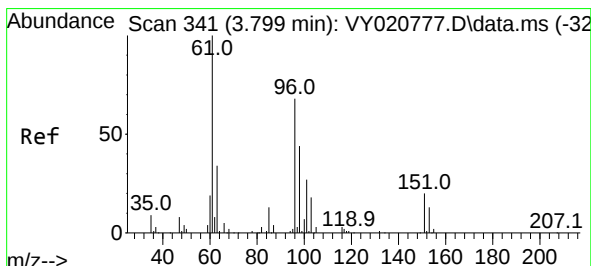
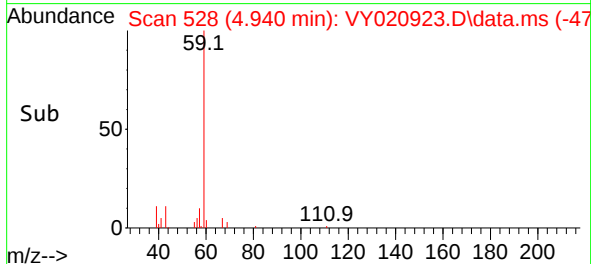
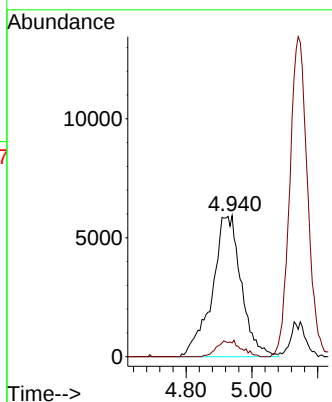
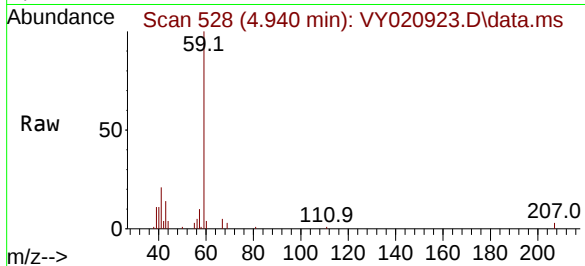




#11  
Tert butyl alcohol  
Concen: 265.082 ug/l  
RT: 4.940 min Scan# 517  
Delta R.T. 0.013 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

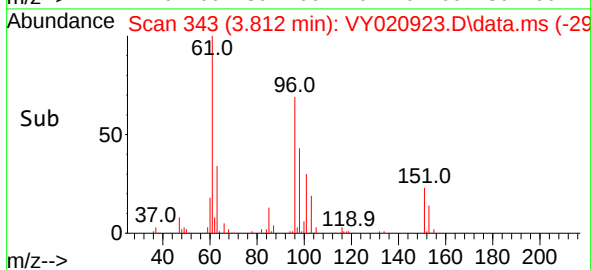
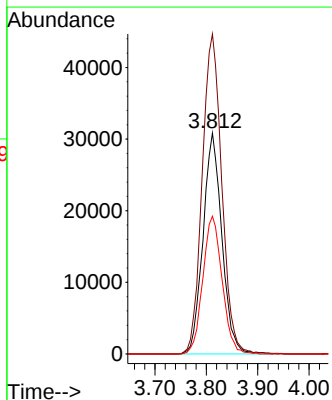
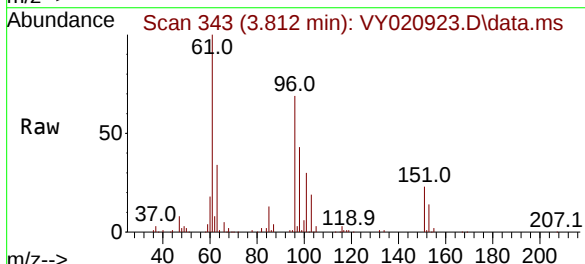
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

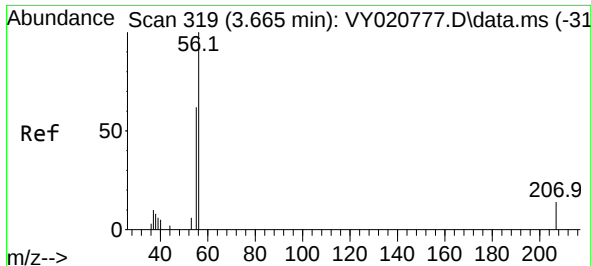
Tgt Ion: 59 Resp: 36375  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 47.274 ug/l  
RT: 3.812 min Scan# 343  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 96 Resp: 78766  
Ion Ratio Lower Upper  
96 100  
61 144.8 117.8 176.8  
98 62.3 51.9 77.9

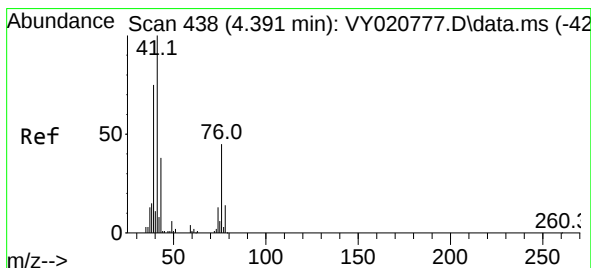
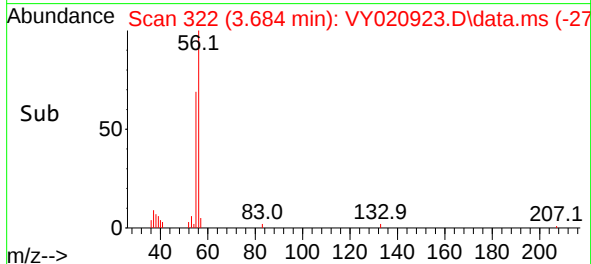
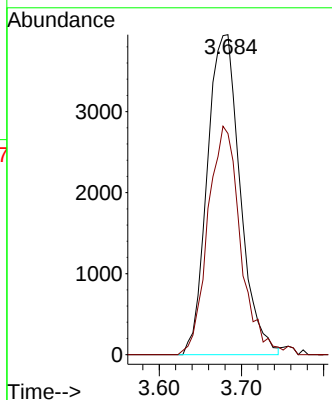
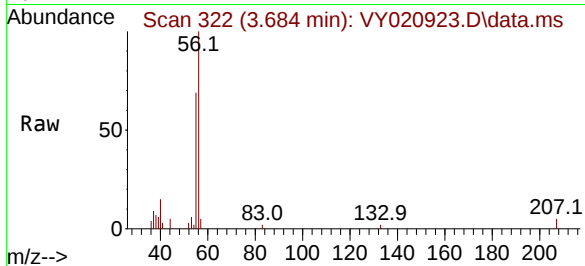




#13  
Acrolein  
Concen: 284.358 ug/l  
RT: 3.684 min Scan# 319  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

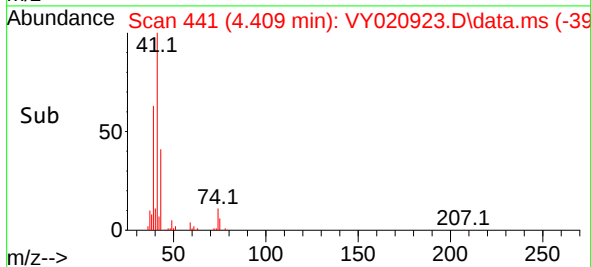
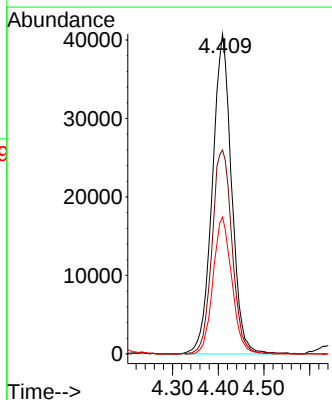
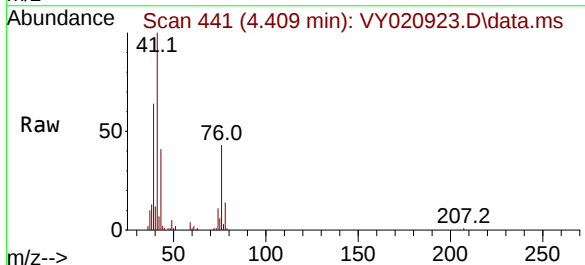
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

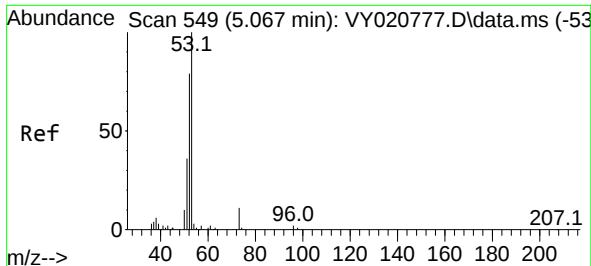
Tgt Ion: 56 Resp: 10958  
Ion Ratio Lower Upper  
56 100  
55 71.4 58.1 87.1



#14  
Allyl chloride  
Concen: 49.566 ug/l  
RT: 4.409 min Scan# 441  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 41 Resp: 119145  
Ion Ratio Lower Upper  
41 100  
39 66.1 57.5 86.3  
76 41.8 35.6 53.4

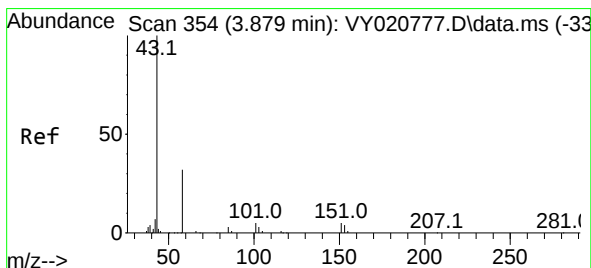
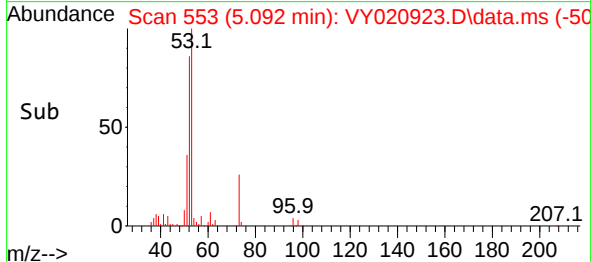
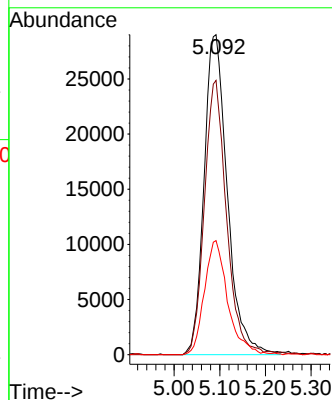
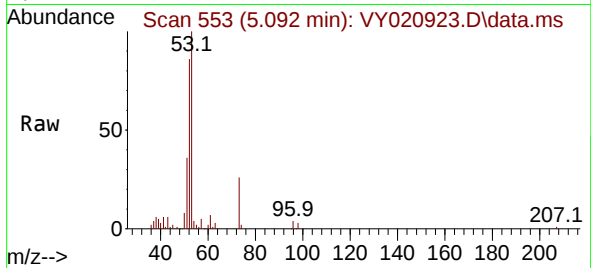




#15  
Acrylonitrile  
Concen: 274.473 ug/l  
RT: 5.092 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

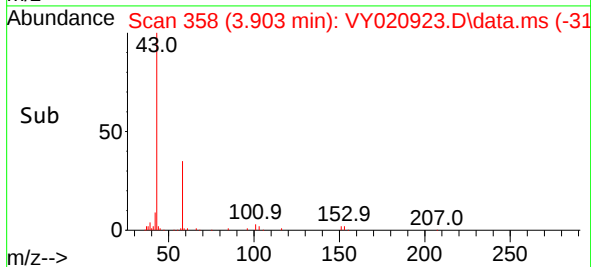
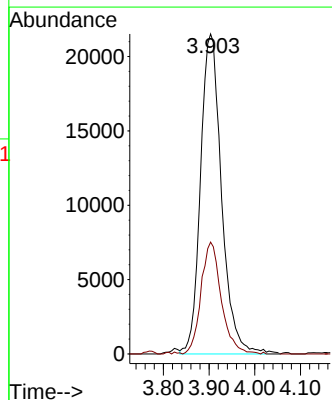
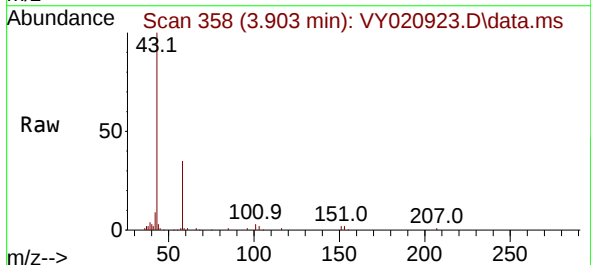
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

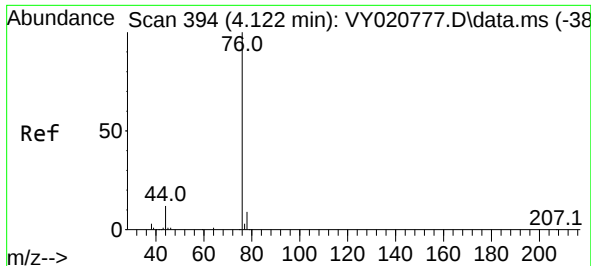
Tgt Ion: 53 Resp: 102756  
Ion Ratio Lower Upper  
53 100  
52 81.1 64.3 96.5  
51 35.8 29.3 43.9



#16  
Acetone  
Concen: 266.409 ug/l  
RT: 3.903 min Scan# 358  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 43 Resp: 68797  
Ion Ratio Lower Upper  
43 100  
58 34.9 26.7 40.1

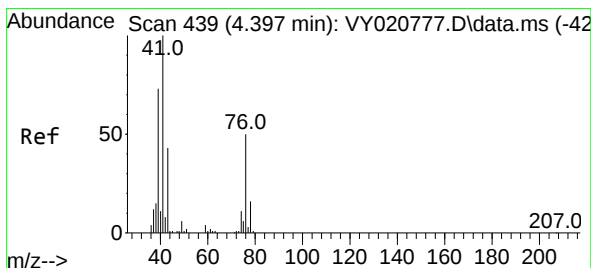
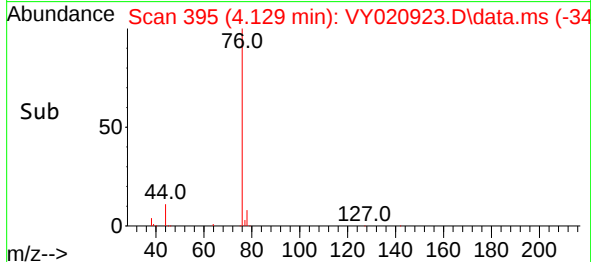
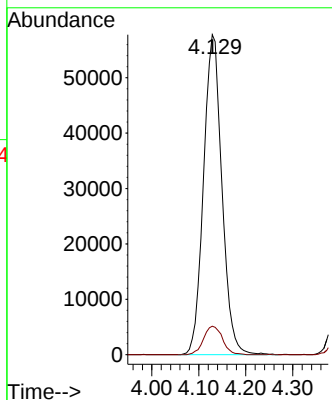
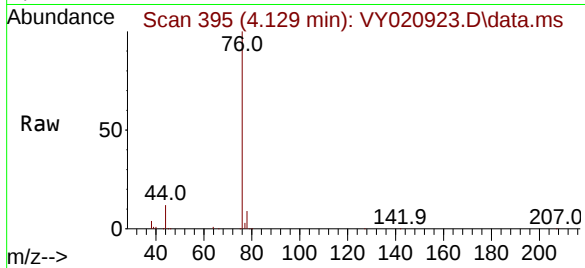




#17  
Carbon Disulfide  
Concen: 43.421 ug/l  
RT: 4.129 min Scan# 394  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

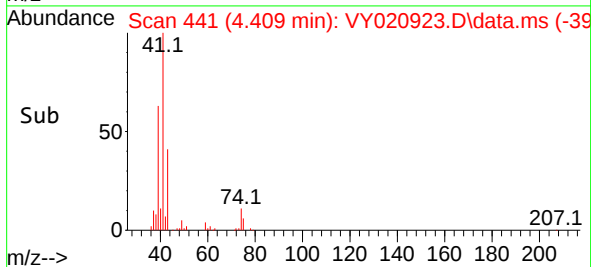
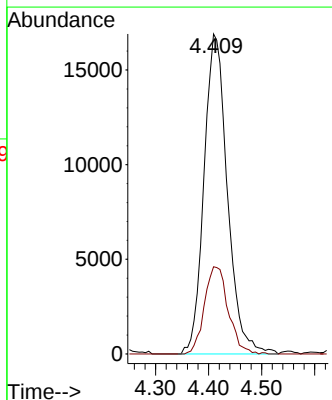
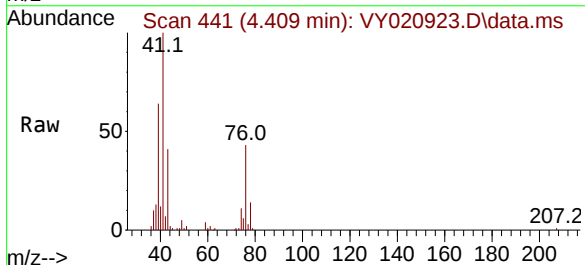
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

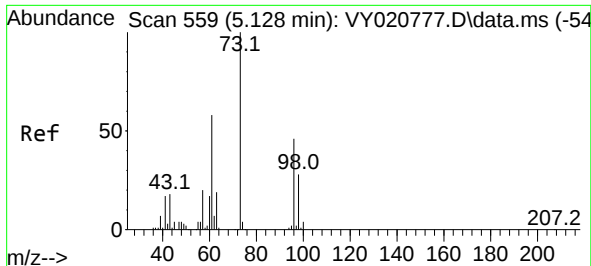
Tgt Ion: 76 Resp: 156945  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.2



#18  
Methyl Acetate  
Concen: 59.419 ug/l  
RT: 4.409 min Scan# 441  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 43 Resp: 51810  
Ion Ratio Lower Upper  
43 100  
74 27.6 23.0 34.6





#19

Methyl tert-butyl Ether

Concen: 50.453 ug/l

RT: 5.147 min Scan# 5

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

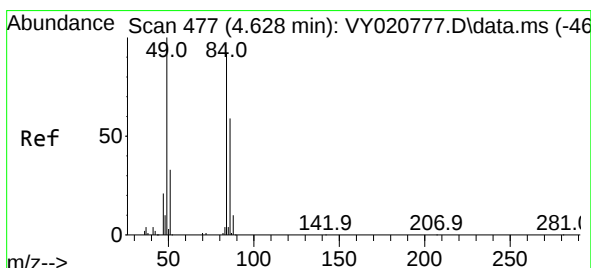
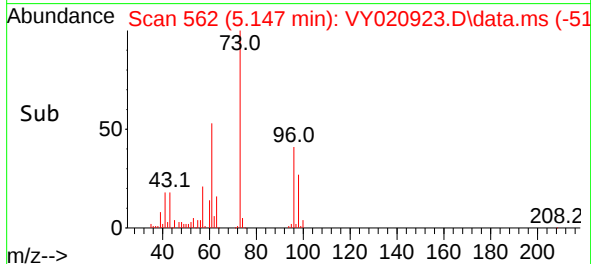
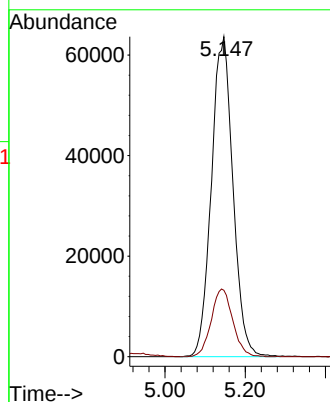
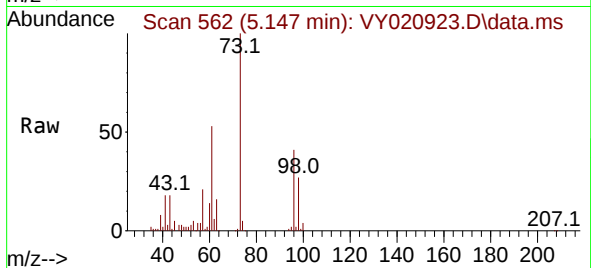
VSTDCCC050

Tgt Ion: 73 Resp: 237234

Ion Ratio Lower Upper

73 100

57 20.8 16.4 24.6



#20

Methylene Chloride

Concen: 47.910 ug/l

RT: 4.635 min Scan# 478

Delta R.T. -0.024 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Tgt Ion: 84 Resp: 85443

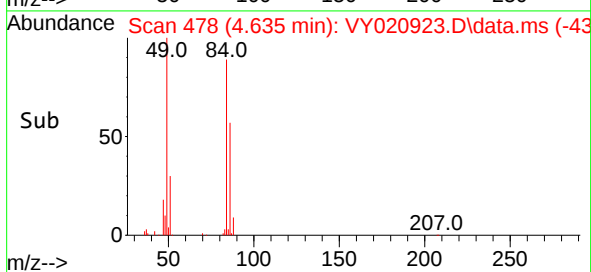
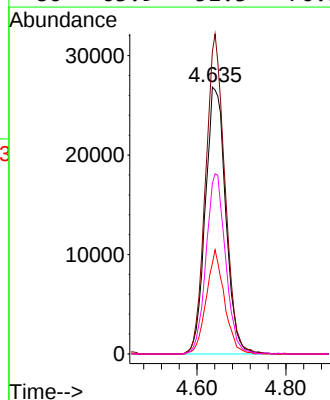
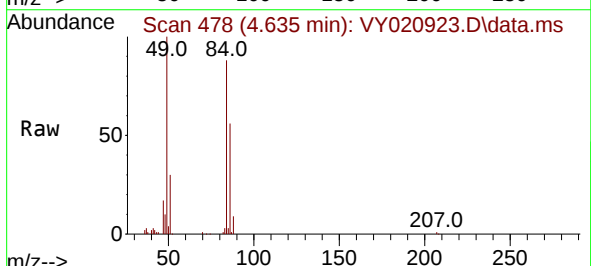
Ion Ratio Lower Upper

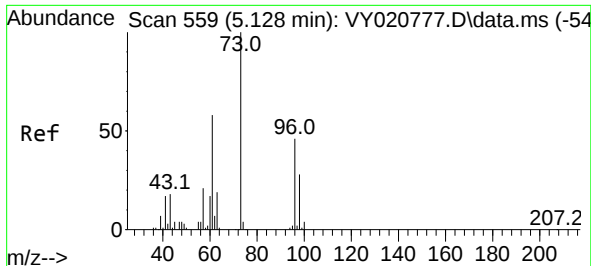
84 100

49 113.2 86.7 130.1

51 33.9 28.4 42.6

86 63.9 51.3 76.9

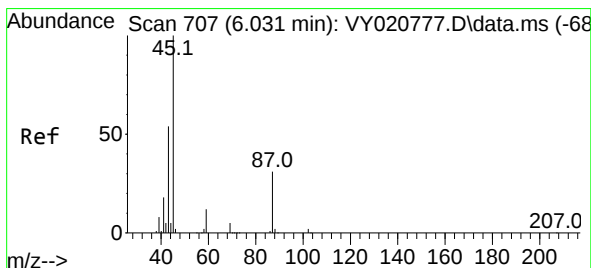
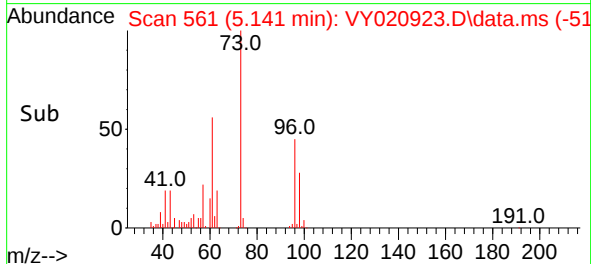
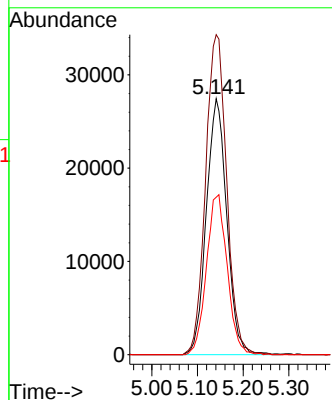
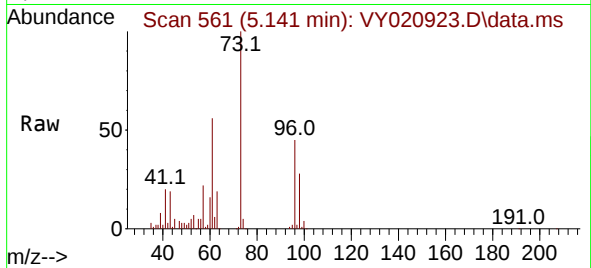




#21  
trans-1,2-Dichloroethene  
Concen: 46.558 ug/l  
RT: 5.141 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

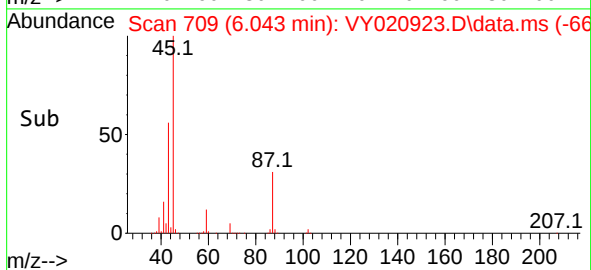
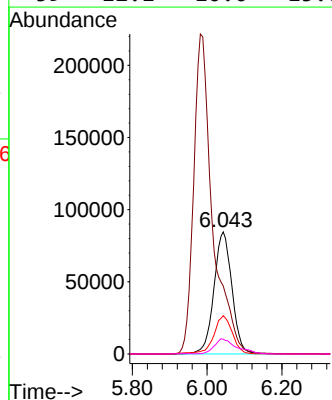
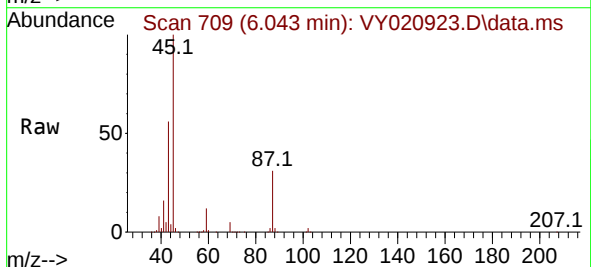
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

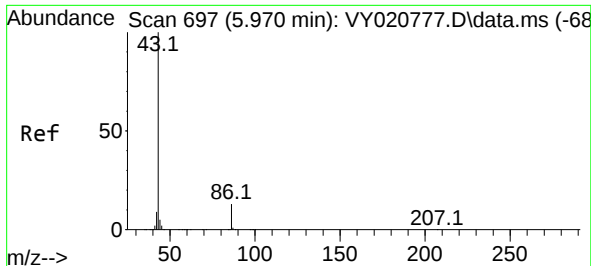
Tgt Ion: 96 Resp: 85426  
Ion Ratio Lower Upper  
96 100  
61 125.0 101.6 152.4  
98 61.5 49.4 74.2



#22  
Diisopropyl ether  
Concen: 55.126 ug/l  
RT: 6.043 min Scan# 709  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 45 Resp: 282276  
Ion Ratio Lower Upper  
45 100  
43 55.3 43.9 65.9  
87 31.4 25.3 37.9  
59 12.1 10.0 15.0

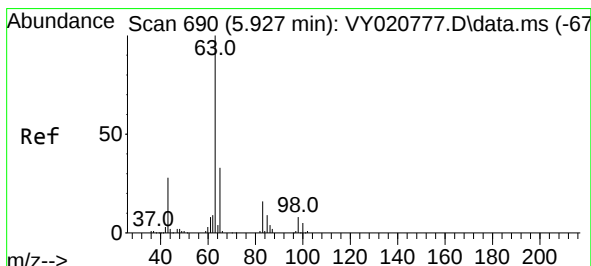
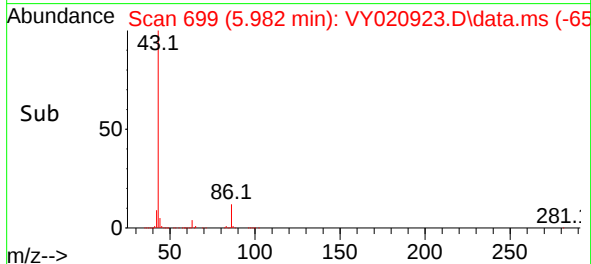
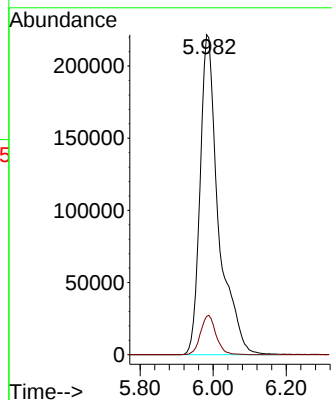
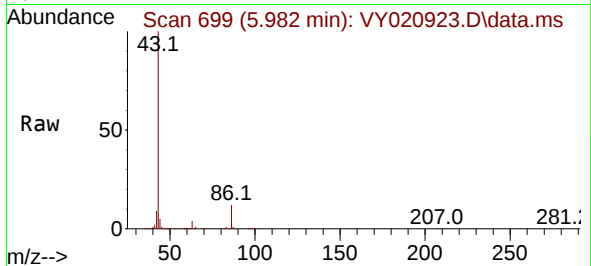




#23  
 Vinyl Acetate  
 Concen: 275.833 ug/l  
 RT: 5.982 min Scan# 699  
 Delta R.T. -0.018 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

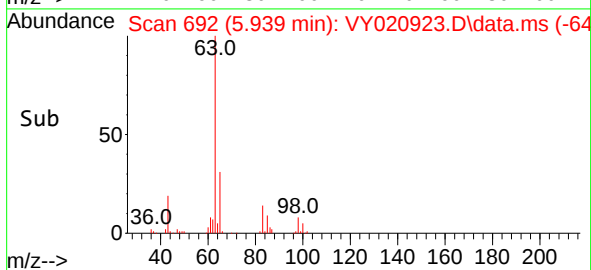
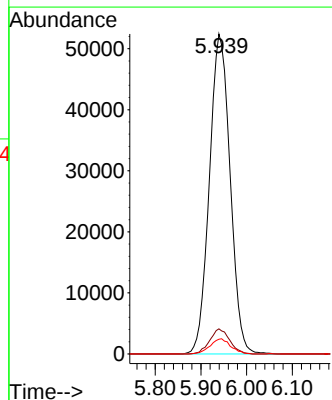
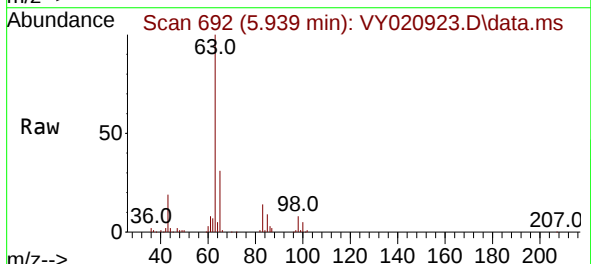
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

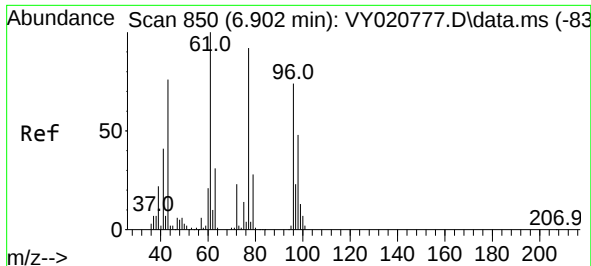
Tgt Ion: 43 Resp: 778761  
 Ion Ratio Lower Upper  
 43 100  
 86 12.0 10.5 15.7



#24  
 1,1-Dichloroethane  
 Concen: 48.920 ug/l  
 RT: 5.939 min Scan# 692  
 Delta R.T. -0.018 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

Tgt Ion: 63 Resp: 165268  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.9 11.7  
 100 4.6 2.4 7.2

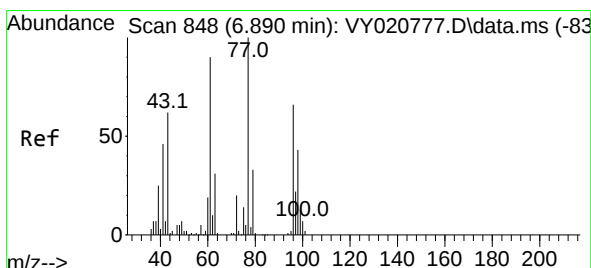
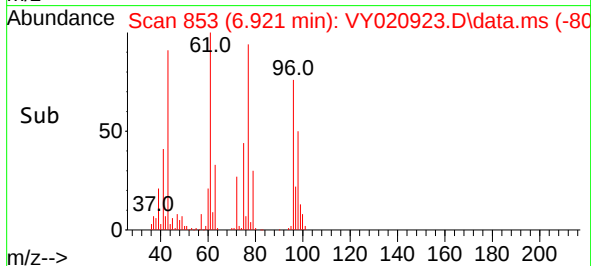
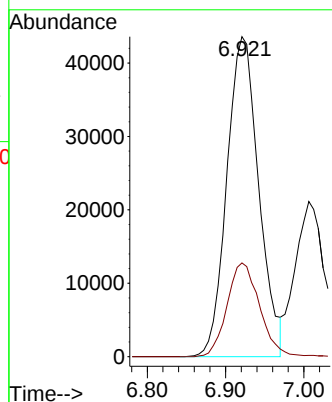
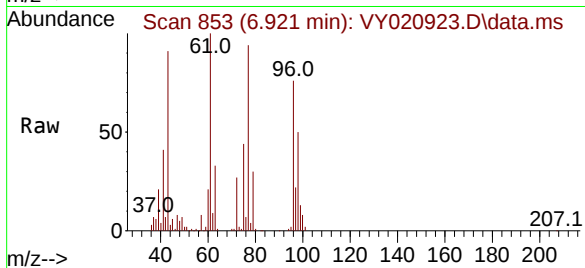




#25  
2-Butanone  
Concen: 291.094 ug/l  
RT: 6.921 min Scan# 853  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

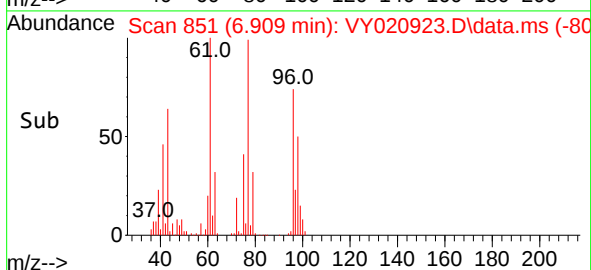
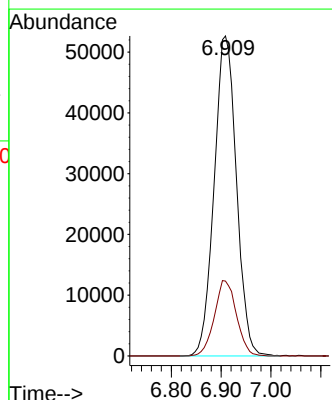
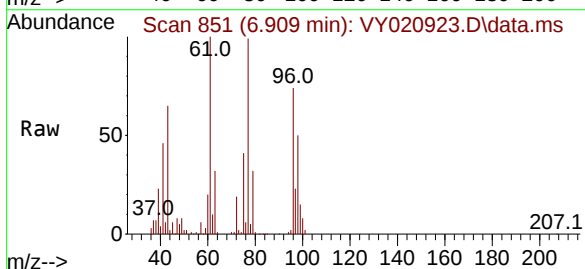
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

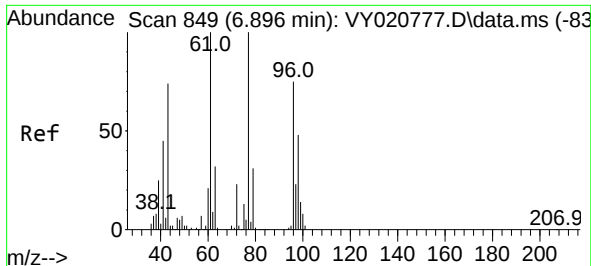
Tgt Ion: 43 Resp: 123482  
Ion Ratio Lower Upper  
43 100  
72 29.3 24.0 36.0



#26  
2,2-Dichloropropane  
Concen: 46.589 ug/l  
RT: 6.909 min Scan# 851  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 77 Resp: 163415  
Ion Ratio Lower Upper  
77 100  
97 23.3 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.726 ug/l

RT: 6.915 min Scan# 81

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

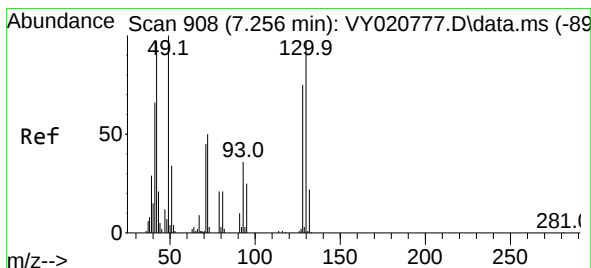
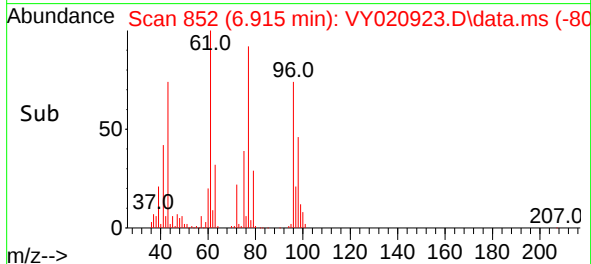
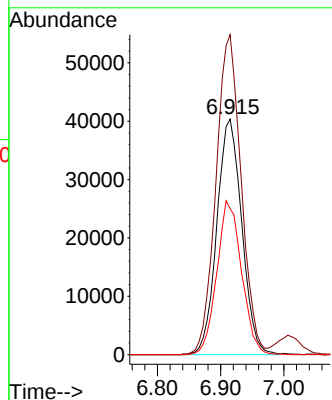
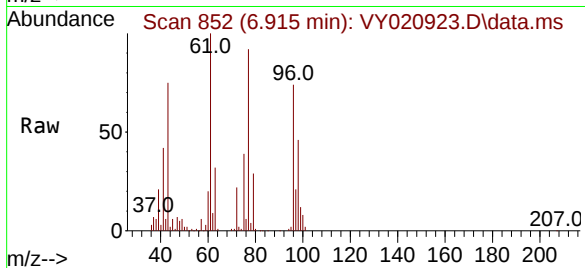
Tgt Ion: 96 Resp: 110484

Ion Ratio Lower Upper

96 100

61 136.8 0.0 271.4

98 64.7 0.0 129.0



#28

Bromochloromethane

Concen: 59.836 ug/l

RT: 7.268 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

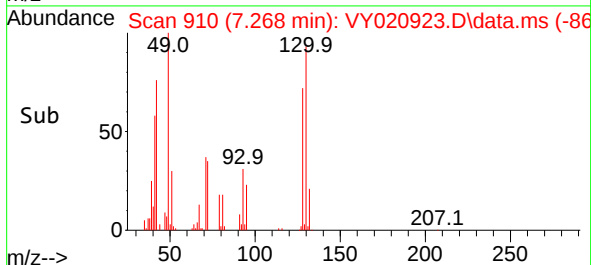
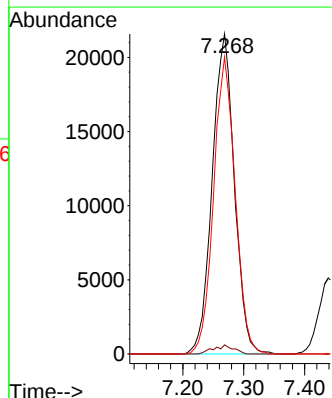
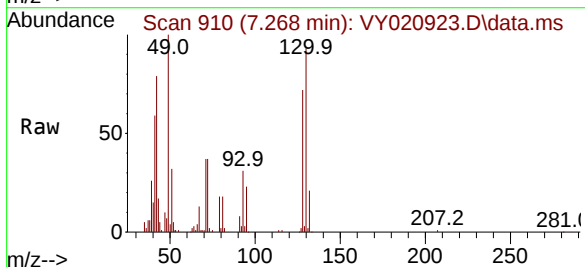
Tgt Ion: 49 Resp: 54546

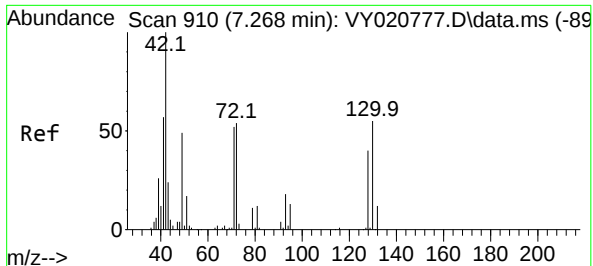
Ion Ratio Lower Upper

49 100

129 2.5 0.0 5.2

130 90.4 77.8 116.6





#29

Tetrahydrofuran

Concen: 301.739 ug/l

RT: 7.287 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

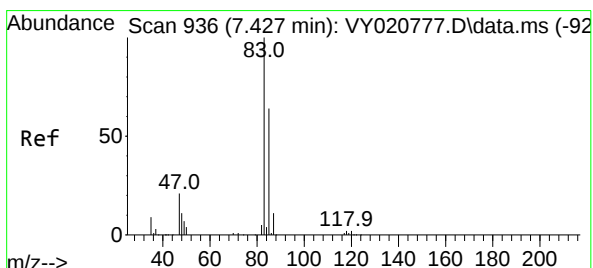
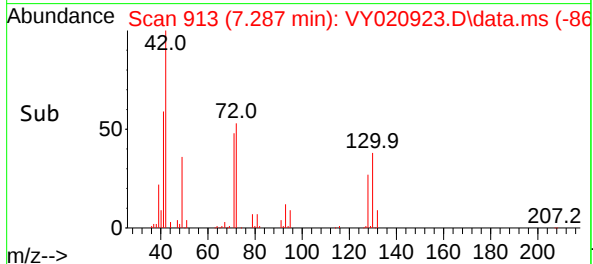
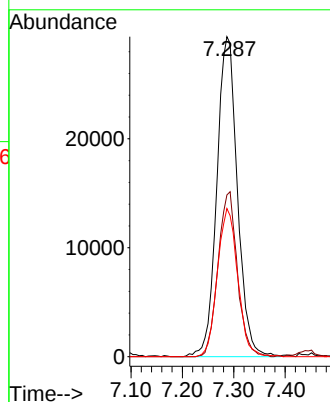
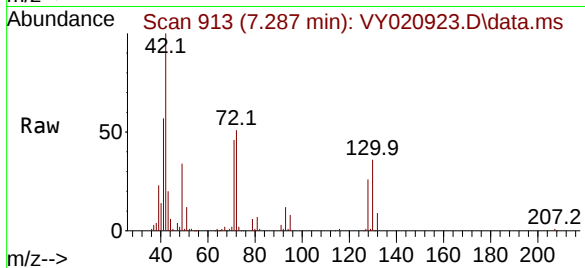
Tgt Ion: 42 Resp: 81765

Ion Ratio Lower Upper

42 100

72 48.5 41.8 62.6

71 45.8 39.8 59.8



#30

Chloroform

Concen: 47.099 ug/l

RT: 7.439 min Scan# 938

Delta R.T. -0.018 min

Lab File: VY020923.D

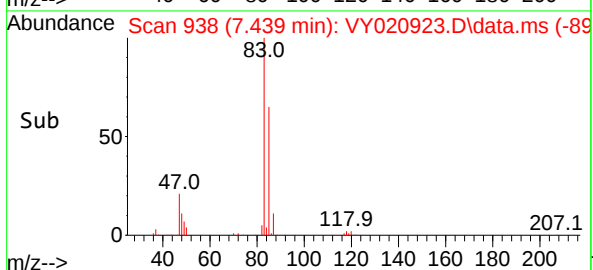
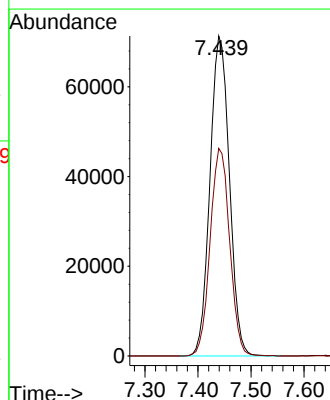
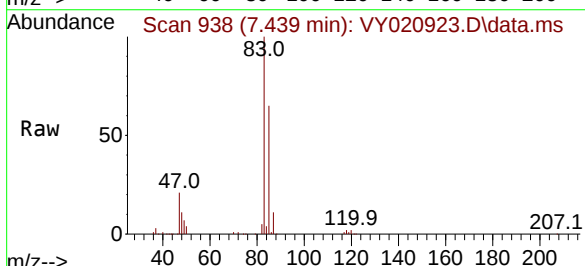
Acq: 24 Jan 2025 09:42

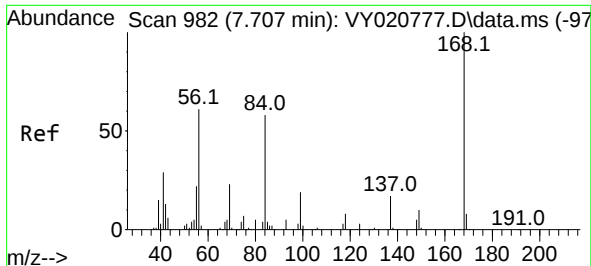
Tgt Ion: 83 Resp: 181456

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

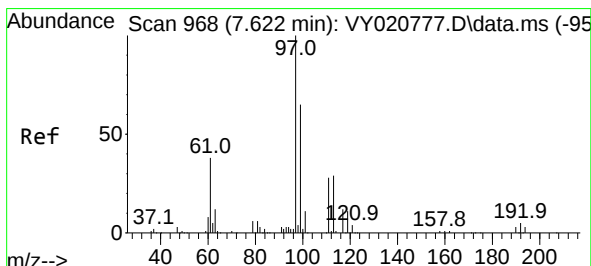
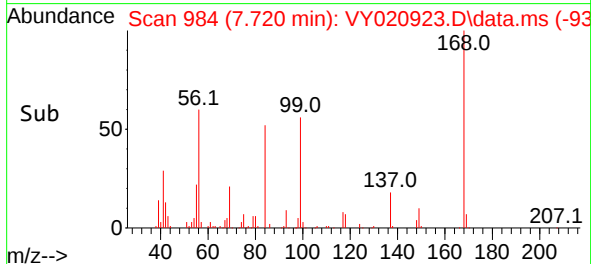
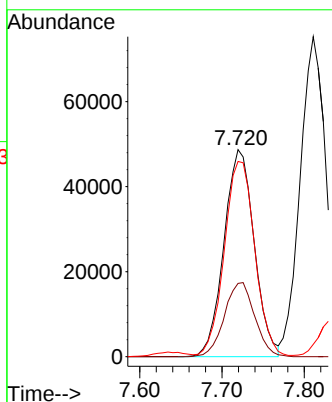
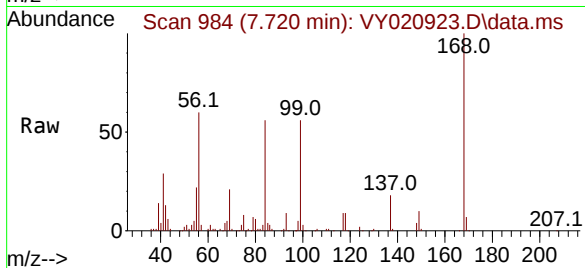




#31  
Cyclohexane  
Concen: 47.083 ug/l  
RT: 7.720 min Scan# 911  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

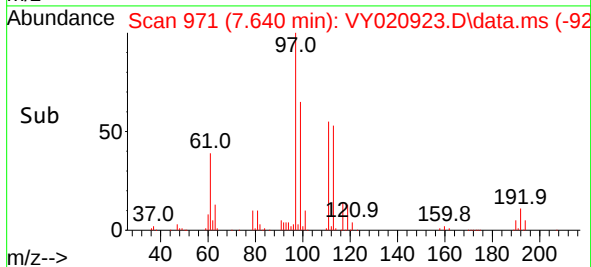
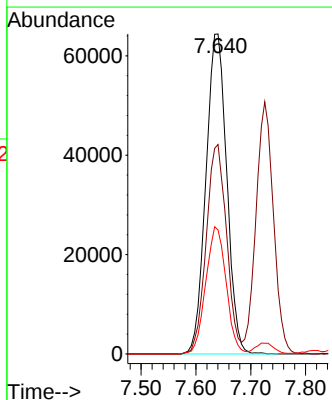
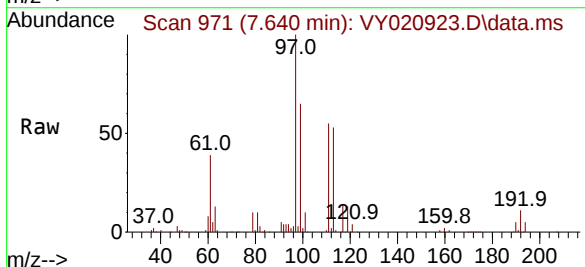
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

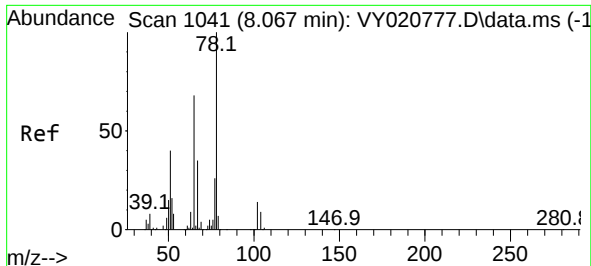
Tgt Ion: 56 Resp: 124416  
Ion Ratio Lower Upper  
56 100  
69 35.4 30.5 45.7  
84 92.2 76.6 115.0



#32  
1,1,1-Trichloroethane  
Concen: 45.217 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 97 Resp: 169923  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.4 77.2  
61 38.9 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 61.379 ug/l

RT: 8.079 min Scan# 111464

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

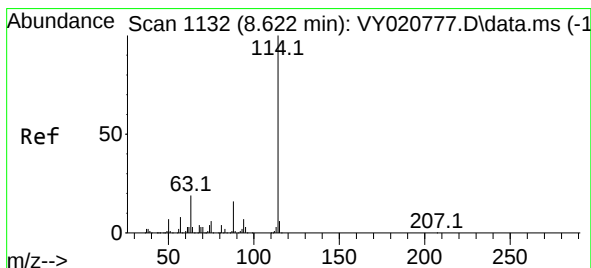
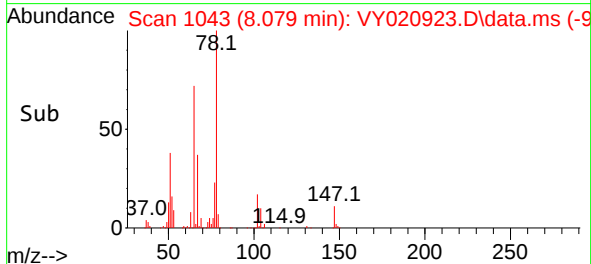
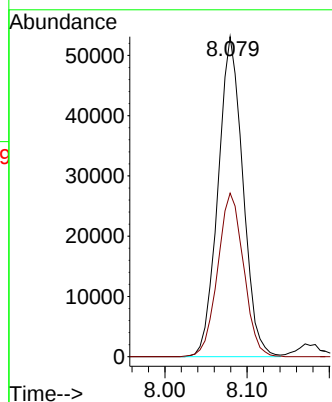
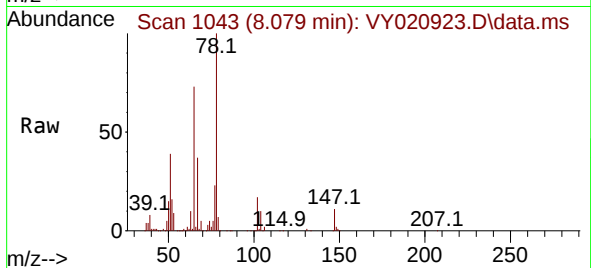
VSTDCCC050

Tgt Ion: 65 Resp: 111464

Ion Ratio Lower Upper

65 100

67 53.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

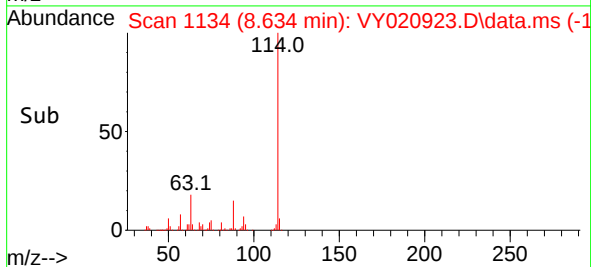
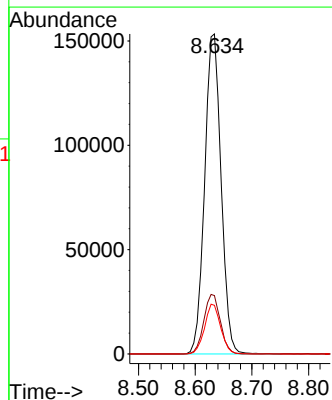
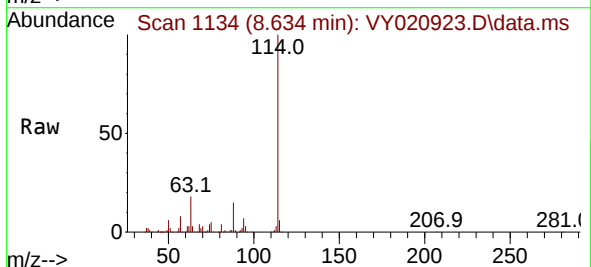
Tgt Ion: 114 Resp: 308546

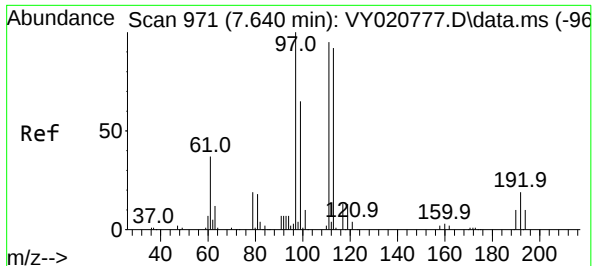
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.2 0.0 31.2

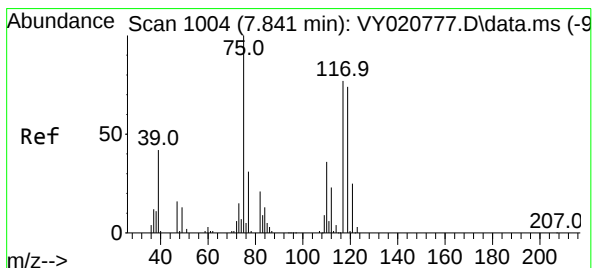
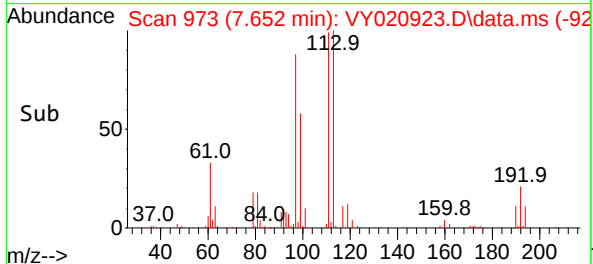
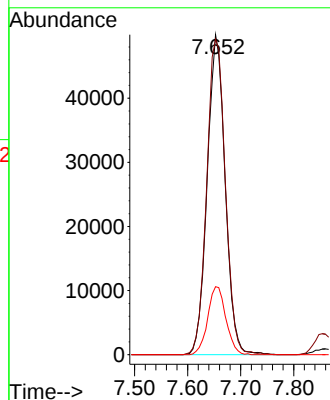
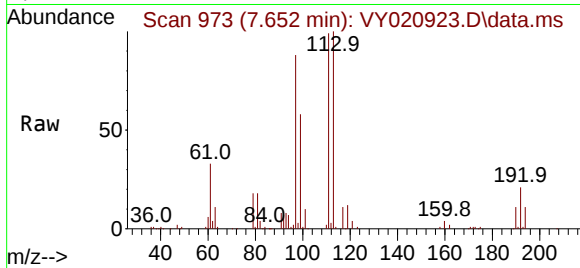




#35  
Dibromofluoromethane  
Concen: 60.660 ug/l  
RT: 7.652 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

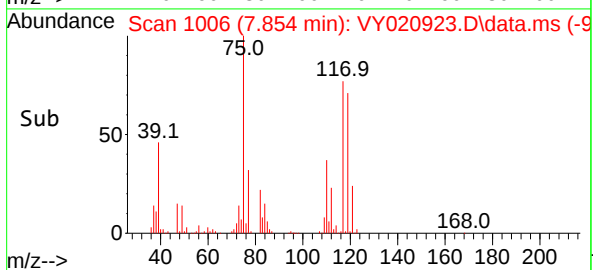
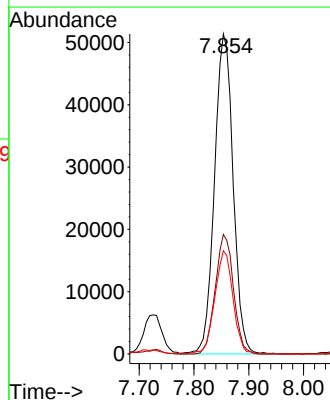
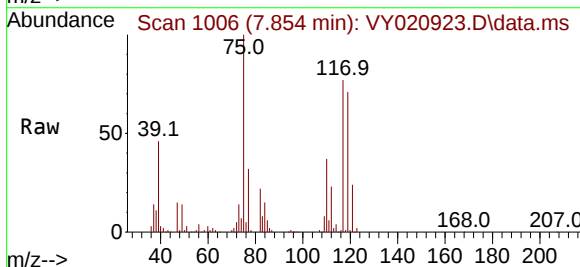
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

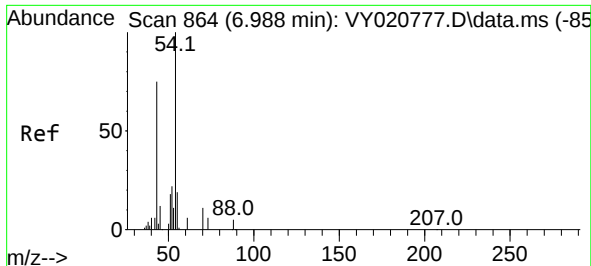
Tgt Ion:113 Resp: 117257  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.7 122.5  
192 21.6 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 49.252 ug/l  
RT: 7.854 min Scan# 1006  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 75 Resp: 121433  
Ion Ratio Lower Upper  
75 100  
110 36.4 18.5 55.5  
77 31.3 25.0 37.4





#37

Ethyl Acetate

Concen: 59.140 ug/l

RT: 7.006 min Scan# 8

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

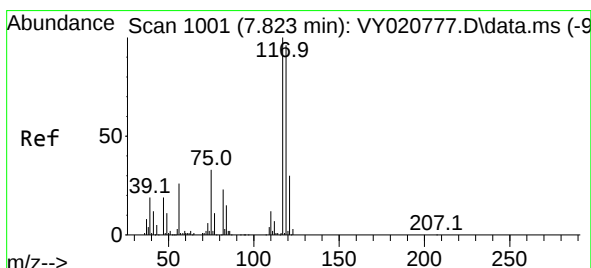
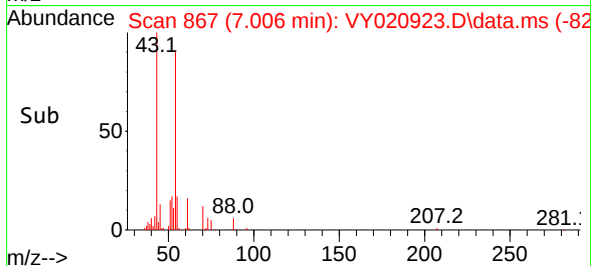
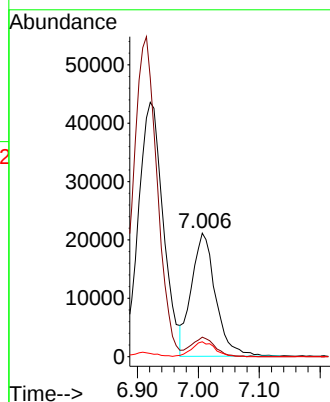
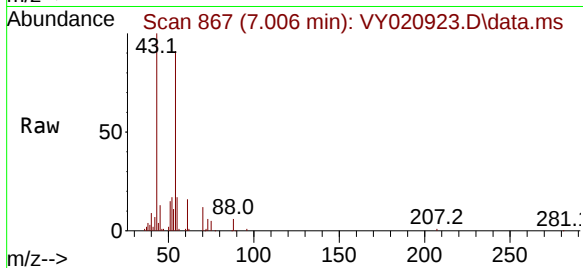
Tgt Ion: 43 Resp: 58026

Ion Ratio Lower Upper

43 100

61 15.0 11.8 17.6

70 11.7 9.8 14.8



#38

Carbon Tetrachloride

Concen: 45.864 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

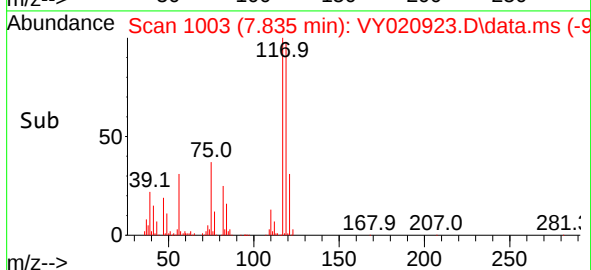
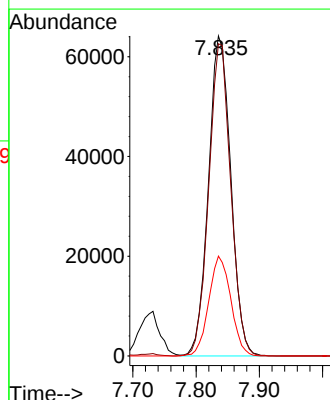
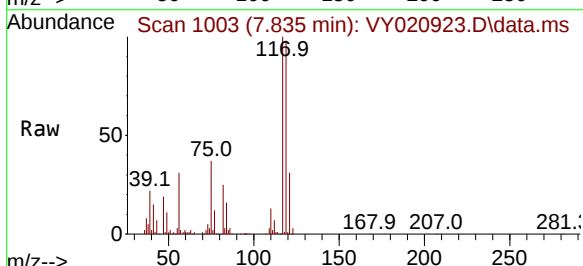
Tgt Ion: 117 Resp: 157409

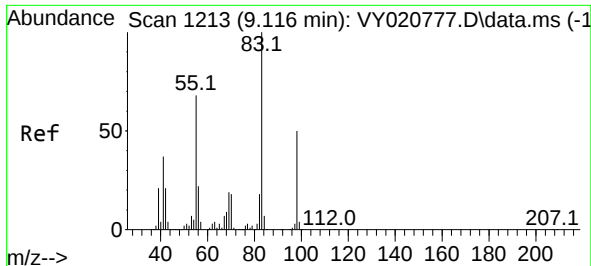
Ion Ratio Lower Upper

117 100

119 97.6 76.5 114.7

121 31.2 24.3 36.5





#39

Methylcyclohexane

Concen: 48.334 ug/l

RT: 9.122 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

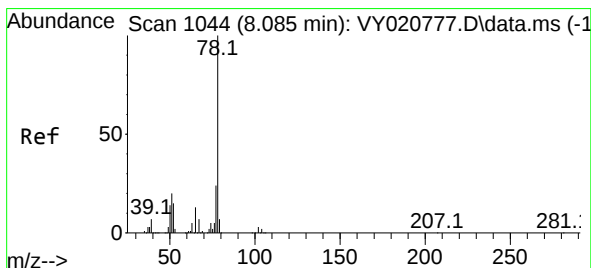
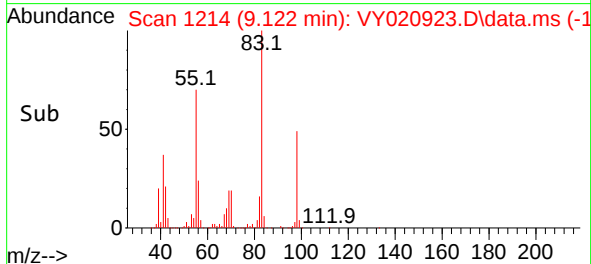
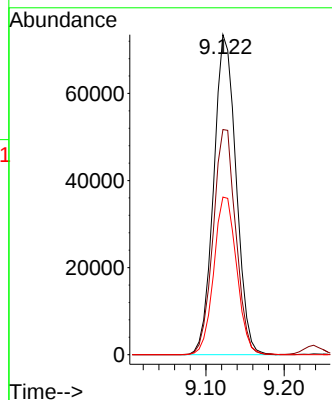
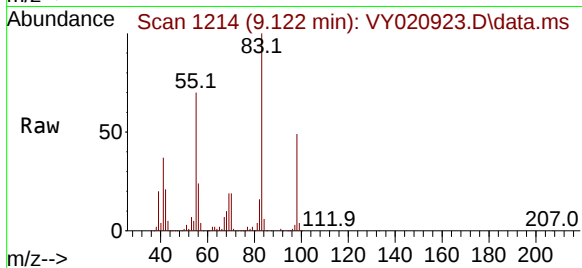
Tgt Ion: 83 Resp: 146237

Ion Ratio Lower Upper

83 100

55 70.3 54.8 82.2

98 49.3 40.0 60.0



#40

Benzene

Concen: 49.170 ug/l

RT: 8.097 min Scan# 1046

Delta R.T. -0.012 min

Lab File: VY020923.D

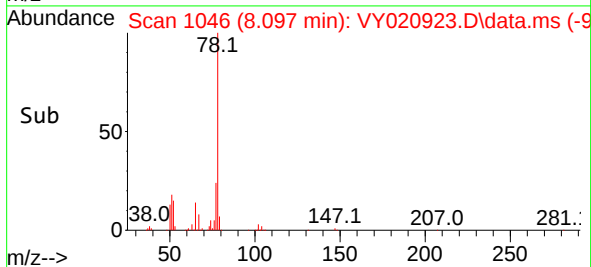
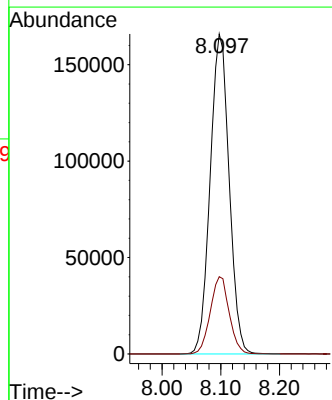
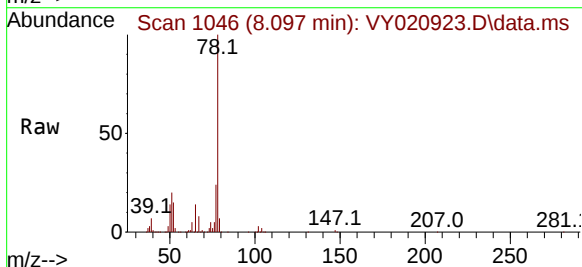
Acq: 24 Jan 2025 09:42

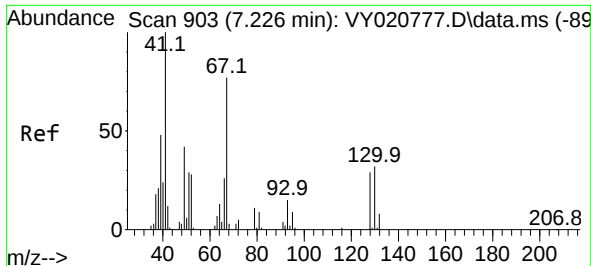
Tgt Ion: 78 Resp: 372072

Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.2



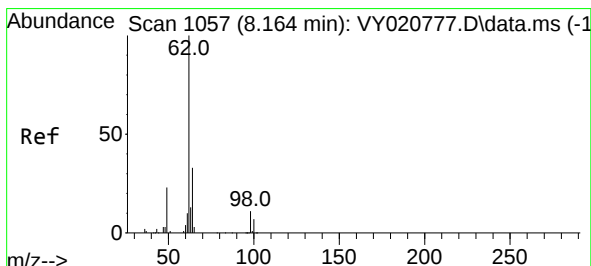
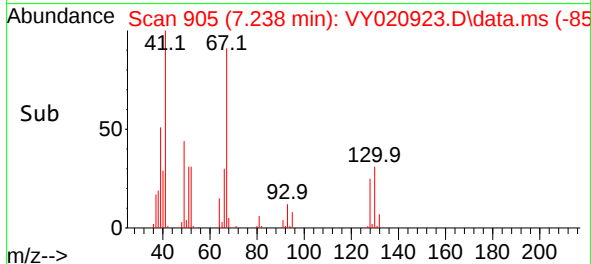
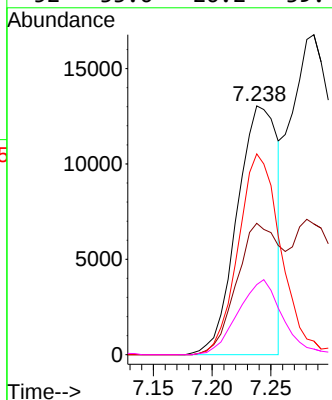
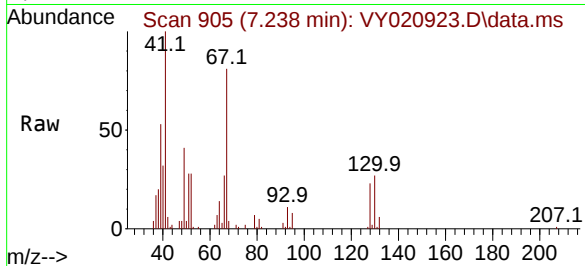


#41  
Methacrylonitrile  
Concen: 55.409 ug/l  
RT: 7.238 min Scan# 905  
Delta R.T. -0.018 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 31135

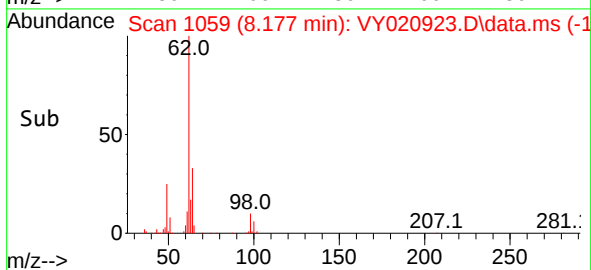
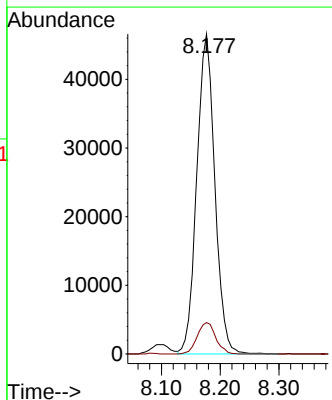
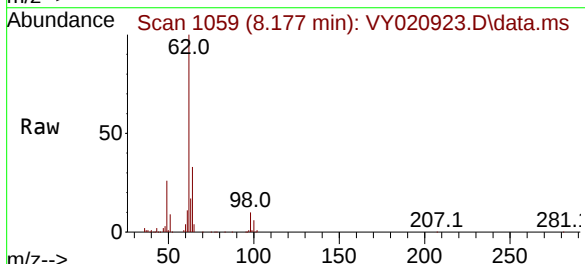
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 58.8  | 42.4  | 63.6  |
| 67  | 86.0  | 67.8  | 101.8 |
| 52  | 33.6  | 26.2  | 39.4  |

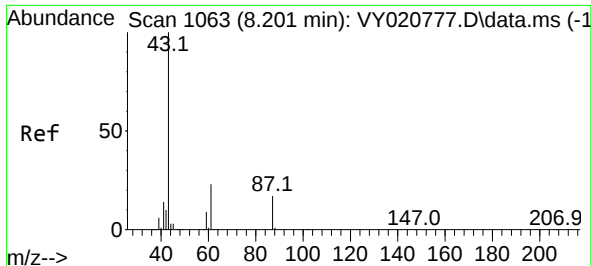


#42  
1,2-Dichloroethane  
Concen: 48.188 ug/l  
RT: 8.177 min Scan# 1059  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 62 Resp: 99581

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.1  | 0.0   | 19.6  |





#43

Isopropyl Acetate

Concen: 58.657 ug/l

RT: 8.213 min Scan# 1106

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

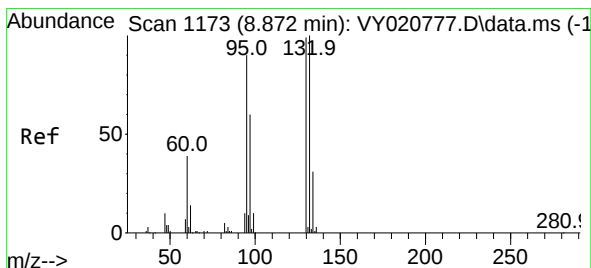
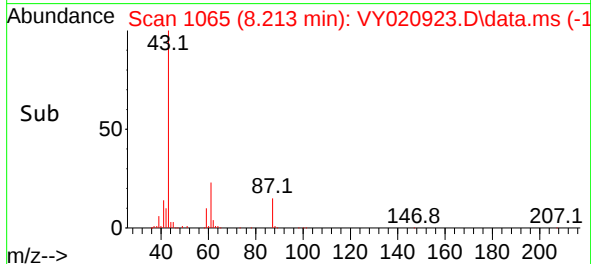
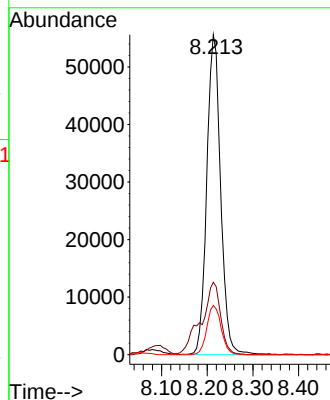
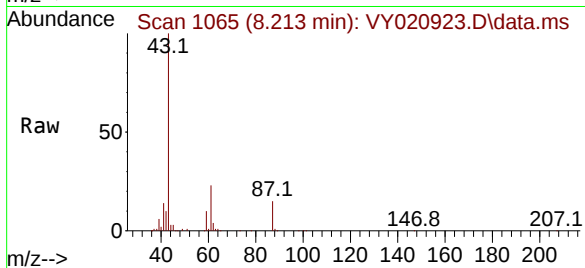
Tgt Ion: 43 Resp: 117060

Ion Ratio Lower Upper

43 100

61 31.9 26.5 39.7

87 15.9 13.4 20.0



#44

Trichloroethene

Concen: 48.191 ug/l

RT: 8.884 min Scan# 1175

Delta R.T. -0.006 min

Lab File: VY020923.D

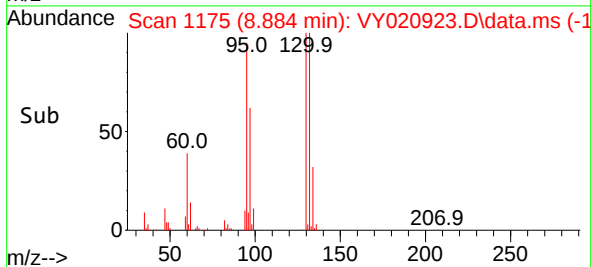
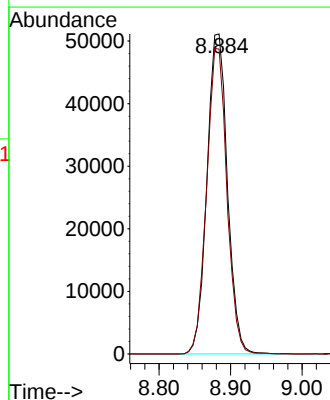
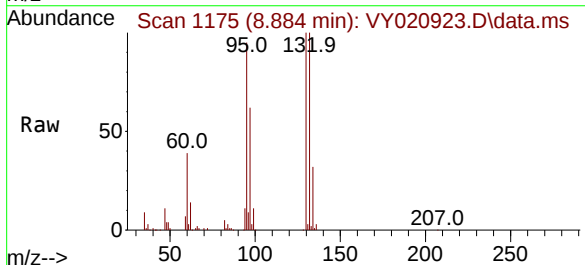
Acq: 24 Jan 2025 09:42

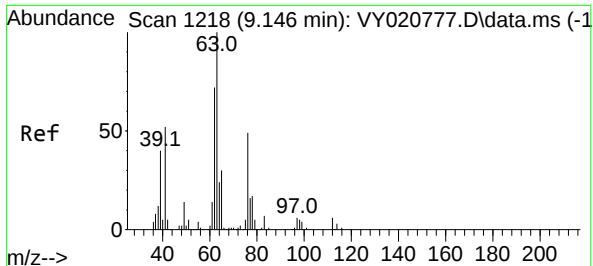
Tgt Ion:130 Resp: 101657

Ion Ratio Lower Upper

130 100

95 95.3 0.0 181.0





#45

1,2-Dichloropropane

Concen: 52.645 ug/l

RT: 9.152 min Scan# 1219

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

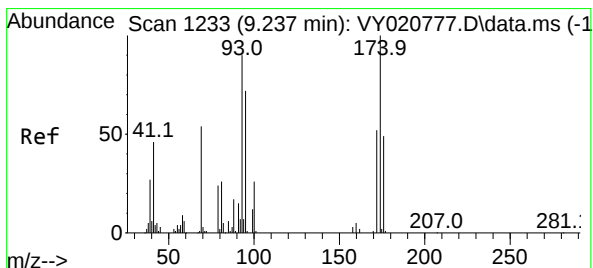
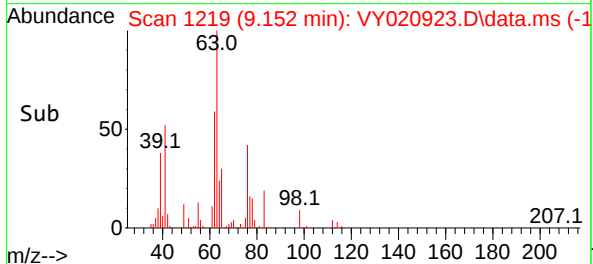
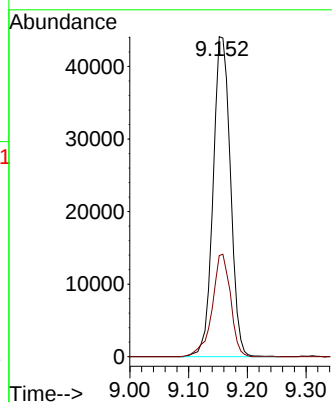
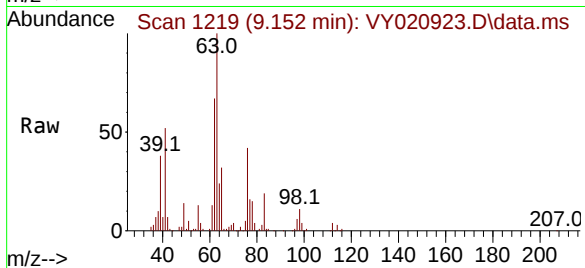
VSTDCCC050

Tgt Ion: 63 Resp: 90311

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.4



#46

Dibromomethane

Concen: 52.200 ug/l

RT: 9.250 min Scan# 1235

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

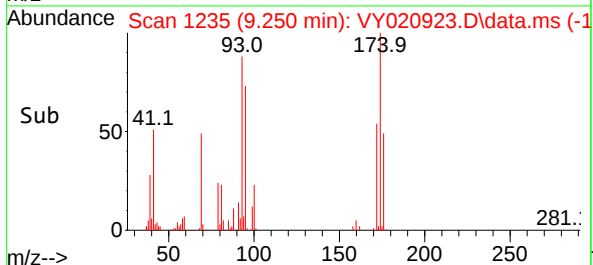
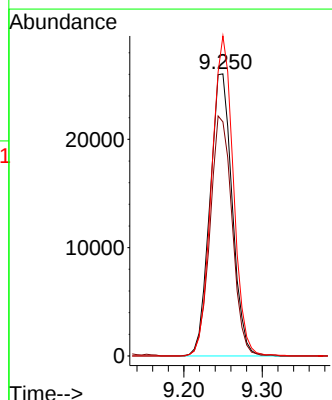
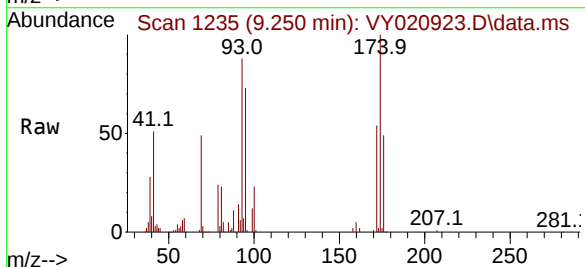
Tgt Ion: 93 Resp: 51422

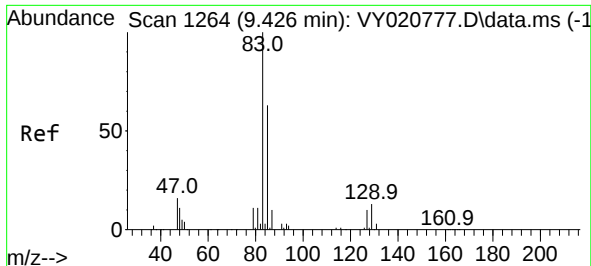
Ion Ratio Lower Upper

93 100

95 84.3 68.2 102.4

174 110.5 89.0 133.6

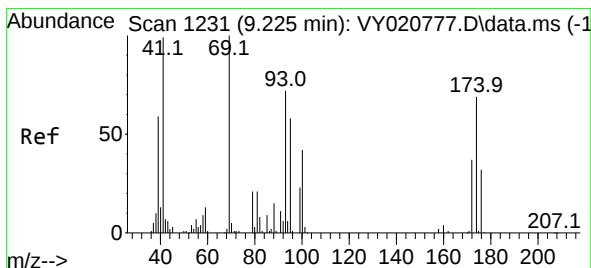
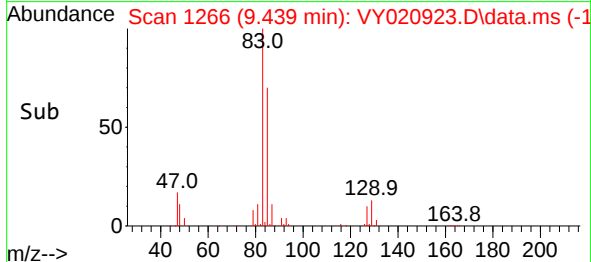
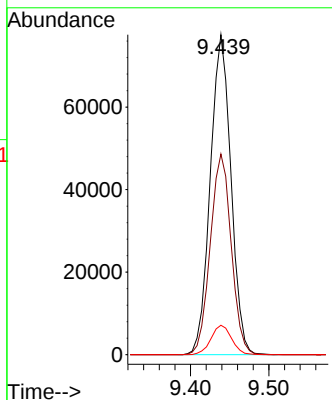
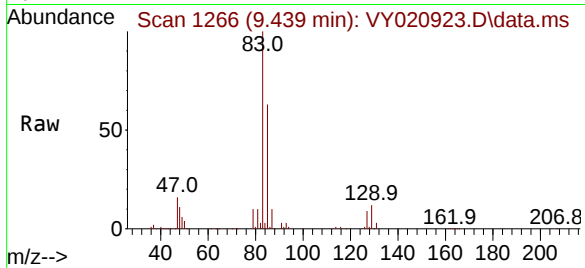




#47  
Bromodichloromethane  
Concen: 50.376 ug/l  
RT: 9.439 min Scan# 1266  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

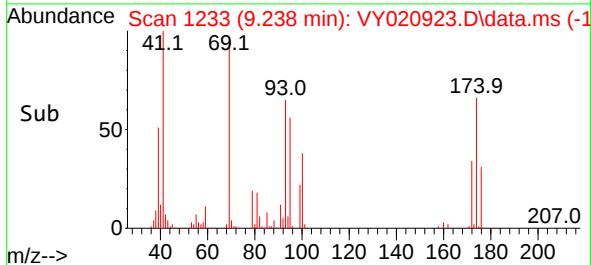
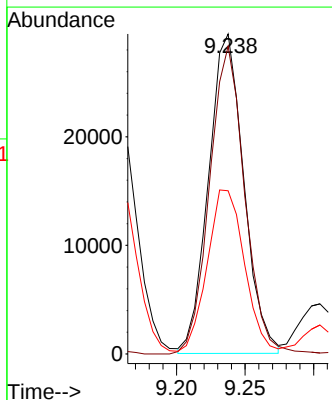
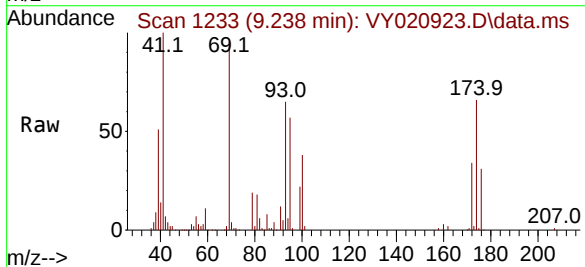
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

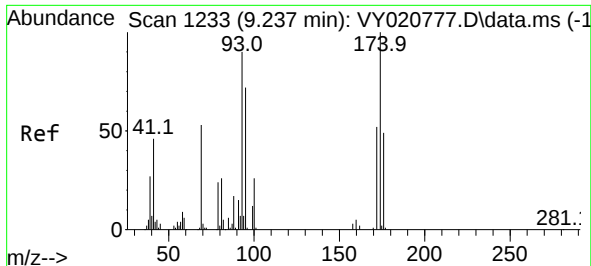
Tgt Ion: 83 Resp: 142122  
Ion Ratio Lower Upper  
83 100  
85 62.7 50.7 76.1  
127 9.2 7.9 11.9



#48  
Methyl methacrylate  
Concen: 58.860 ug/l  
RT: 9.238 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 41 Resp: 52661  
Ion Ratio Lower Upper  
41 100  
69 96.3 78.9 118.3  
39 52.9 44.6 67.0





#49

1,4-Dioxane

Concen: 1061.758 ug/l

RT: 9.262 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

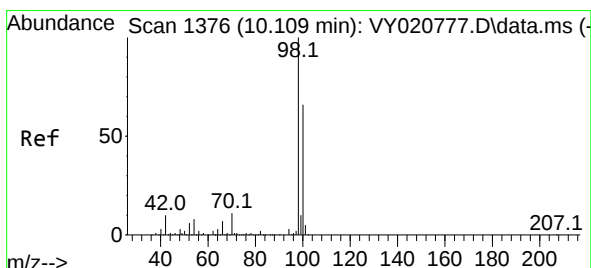
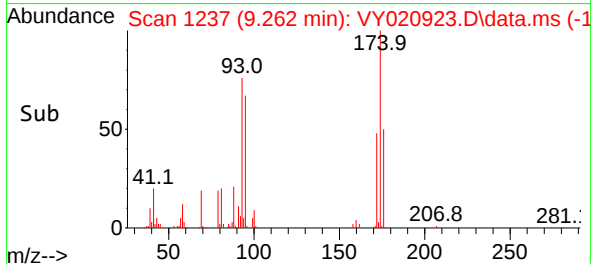
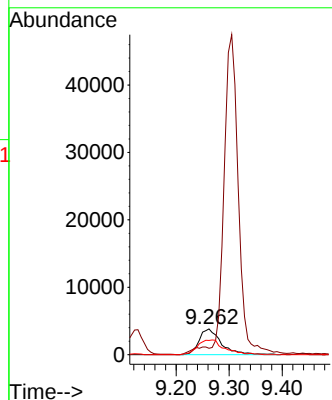
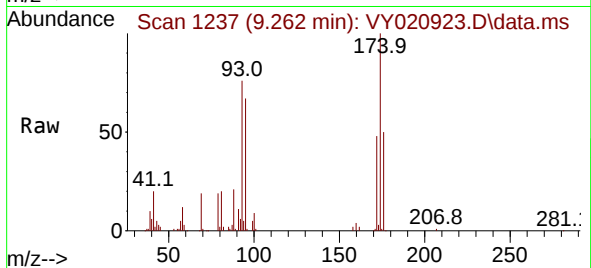
Tgt Ion: 88 Resp: 11105

Ion Ratio Lower Upper

88 100

43 0.0 24.4 36.6#

58 68.7 51.0 76.6



#50

Toluene-d8

Concen: 68.097 ug/l

RT: 10.121 min Scan# 1378

Delta R.T. -0.012 min

Lab File: VY020923.D

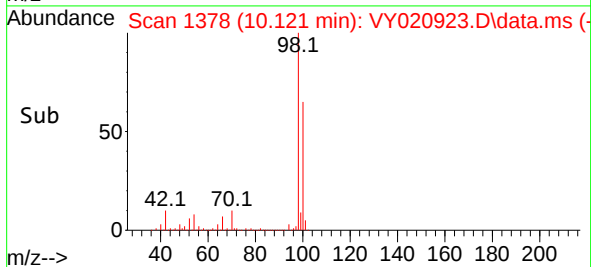
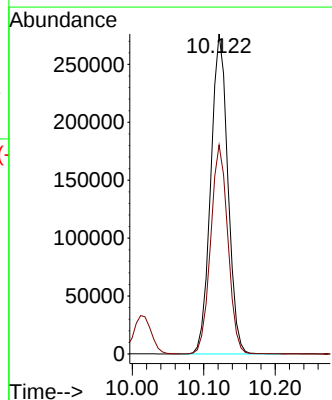
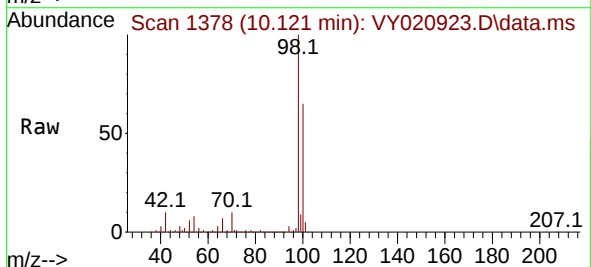
Acq: 24 Jan 2025 09:42

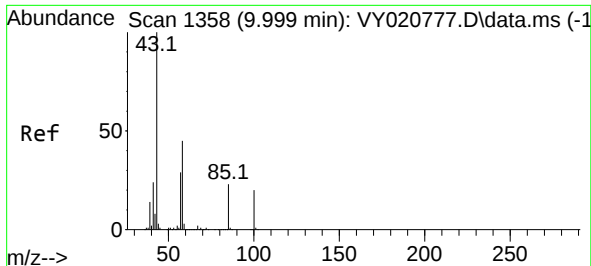
Tgt Ion: 98 Resp: 458871

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 308.614 ug/l

RT: 10.012 min Scan# 1360

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

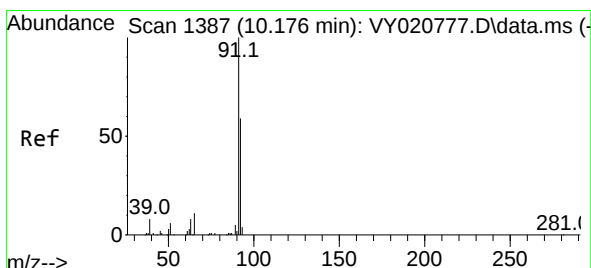
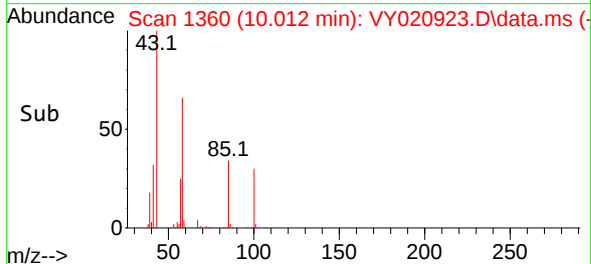
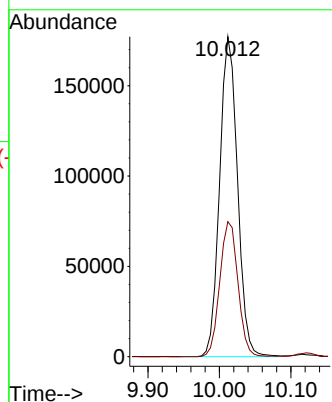
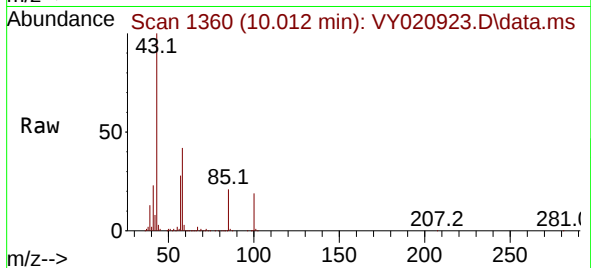
VSTDCCC050

Tgt Ion: 43 Resp: 307689

Ion Ratio Lower Upper

43 100

58 42.9 34.8 52.2



#52

Toluene

Concen: 49.174 ug/l

RT: 10.189 min Scan# 1389

Delta R.T. -0.006 min

Lab File: VY020923.D

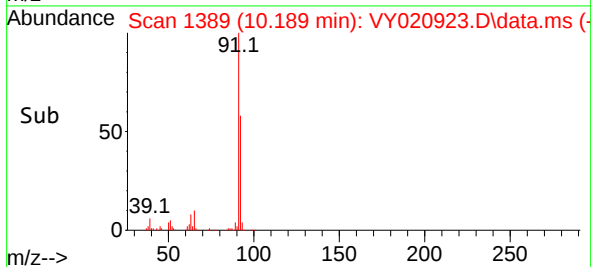
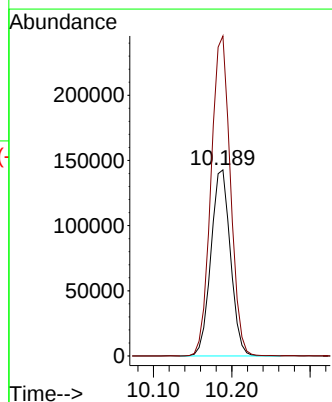
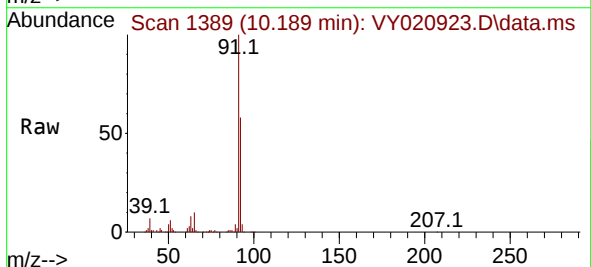
Acq: 24 Jan 2025 09:42

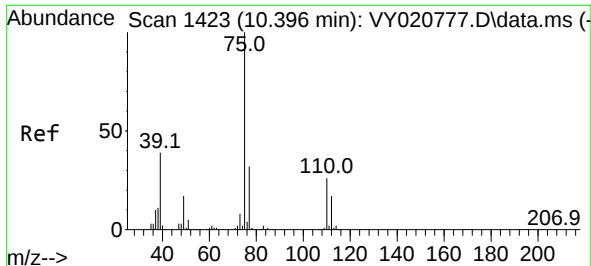
Tgt Ion: 92 Resp: 246409

Ion Ratio Lower Upper

92 100

91 171.2 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 51.124 ug/l

RT: 10.408 min Scan# 1423

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

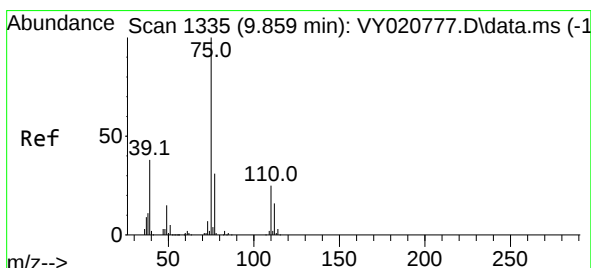
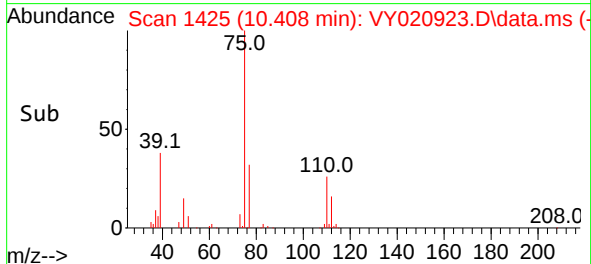
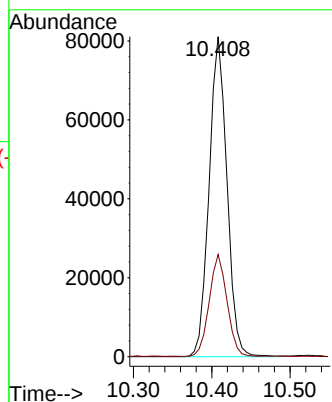
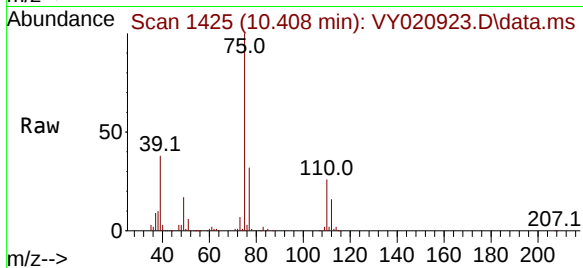
VSTDCCC050

Tgt Ion: 75 Resp: 128281

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.847 ug/l

RT: 9.872 min Scan# 1337

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

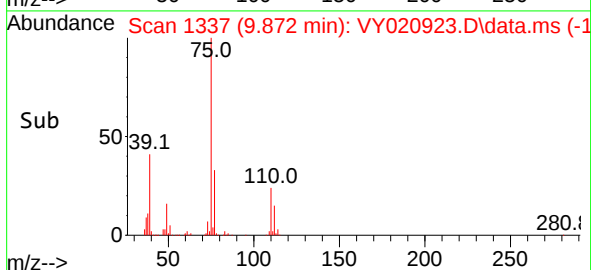
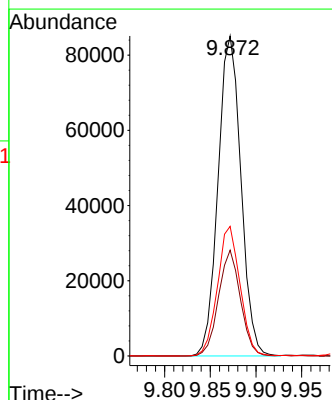
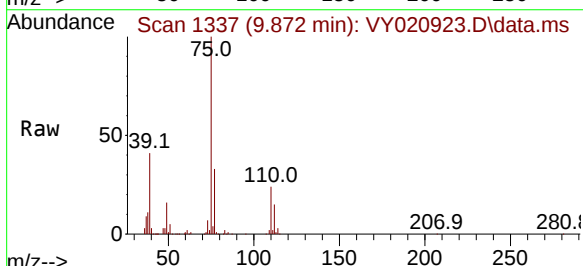
Tgt Ion: 75 Resp: 148176

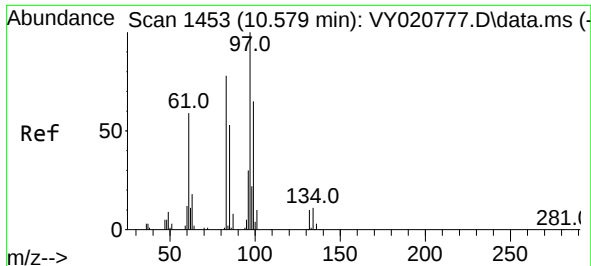
Ion Ratio Lower Upper

75 100

77 33.0 24.5 36.7

39 40.5 30.7 46.1

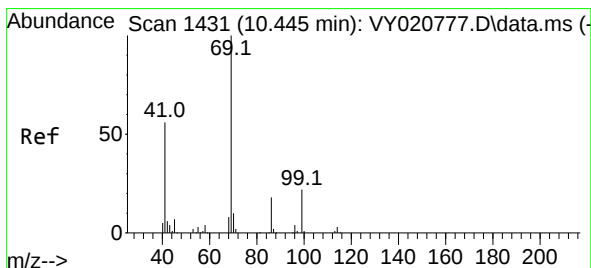
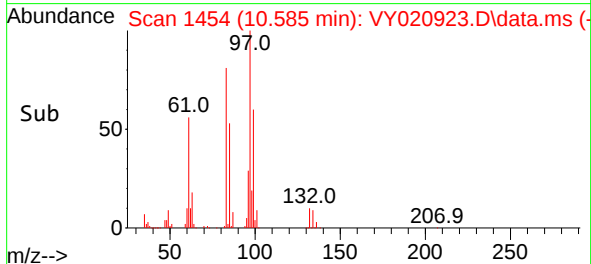
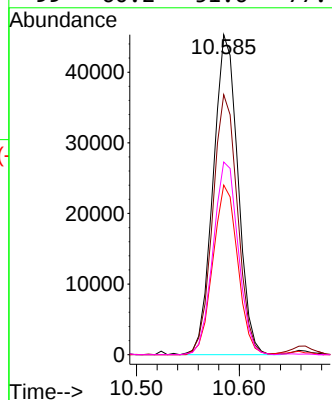
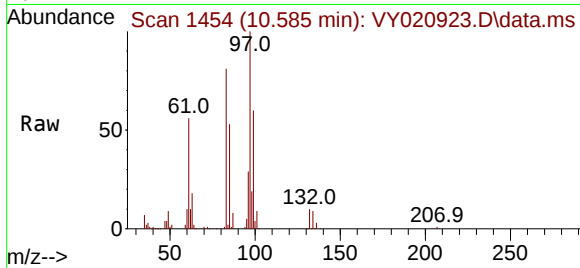




#55  
1,1,2-Trichloroethane  
Concen: 53.875 ug/l  
RT: 10.585 min Scan# 1454  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

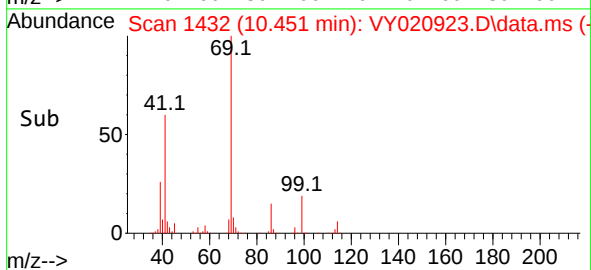
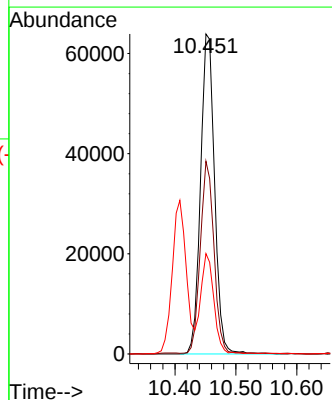
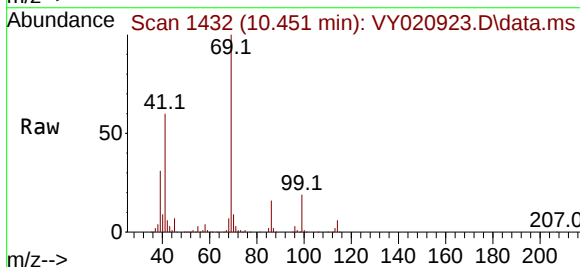
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

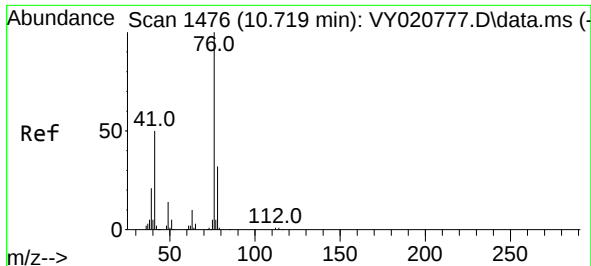
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 75820 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 81.2     | 62.8 94.2   |
| 85 53.0     | 42.4 63.6   |
| 99 60.2     | 51.6 77.4   |



#56  
Ethyl methacrylate  
Concen: 57.479 ug/l  
RT: 10.451 min Scan# 1432  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 102160 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 58.3     | 46.6 69.8    |
| 39 28.7     | 25.7 38.5    |





#57

1,3-Dichloropropane

Concen: 53.463 ug/l

RT: 10.731 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

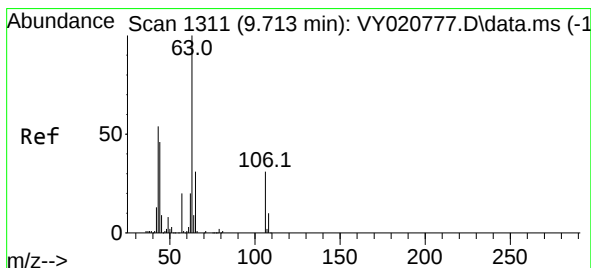
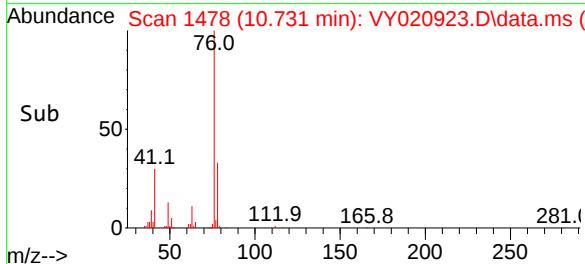
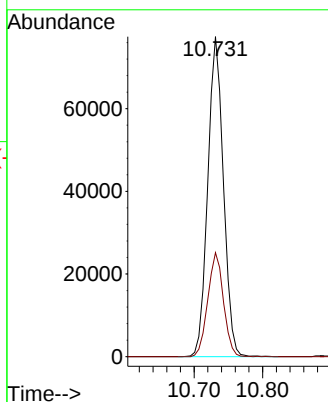
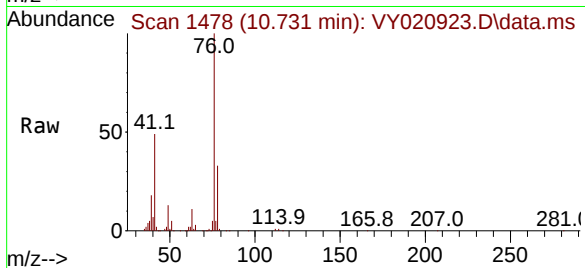
VSTDCCC050

Tgt Ion: 76 Resp: 122645

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 297.291 ug/l

RT: 9.725 min Scan# 1313

Delta R.T. -0.006 min

Lab File: VY020923.D

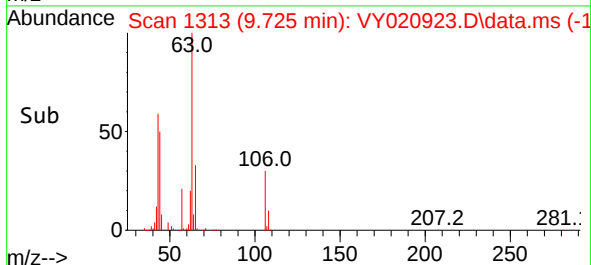
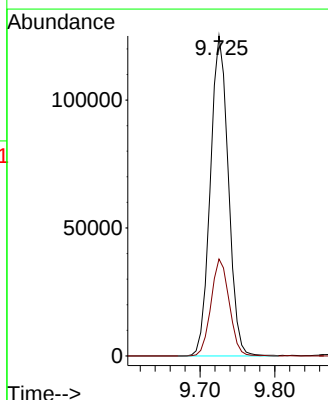
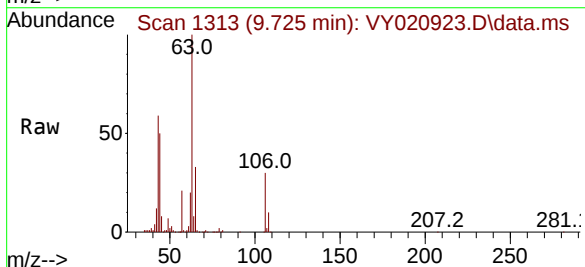
Acq: 24 Jan 2025 09:42

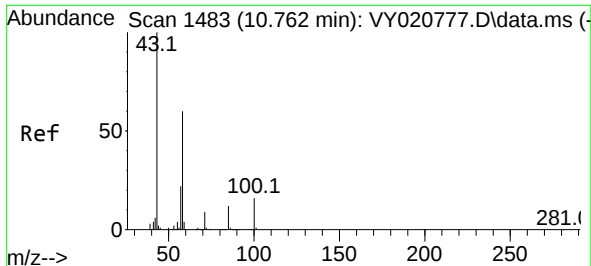
Tgt Ion: 63 Resp: 209616

Ion Ratio Lower Upper

63 100

106 30.5 25.9 38.9





#59

2-Hexanone

Concen: 318.843 ug/l

RT: 10.774 min Scan# 1483

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

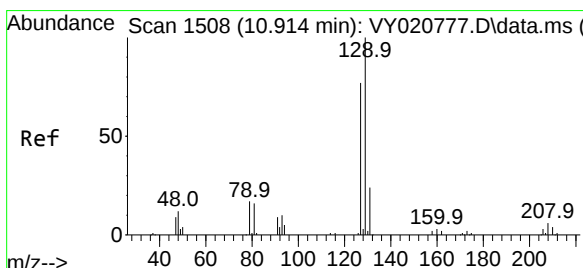
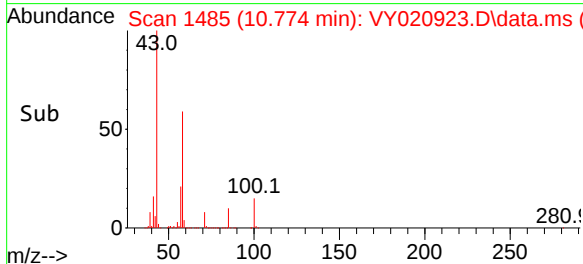
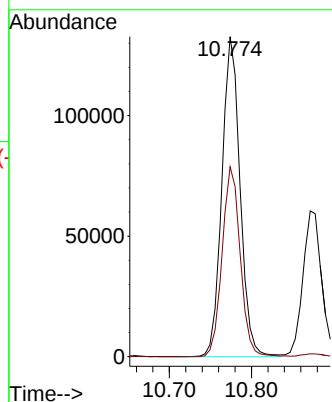
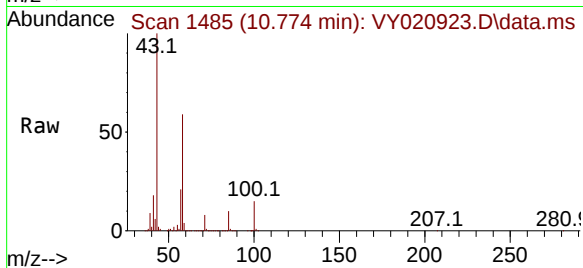
VSTDCCC050

Tgt Ion: 43 Resp: 203940

Ion Ratio Lower Upper

43 100

58 59.2 30.6 92.0



#60

Dibromochloromethane

Concen: 51.101 ug/l

RT: 10.926 min Scan# 1510

Delta R.T. -0.006 min

Lab File: VY020923.D

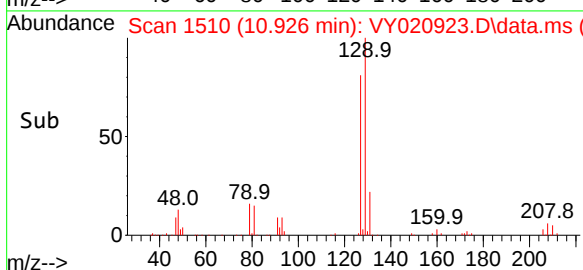
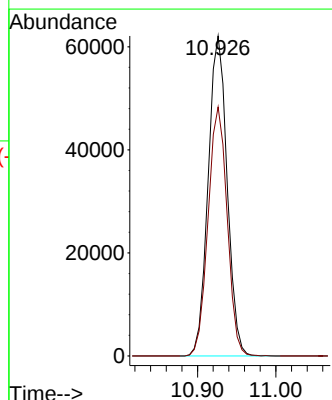
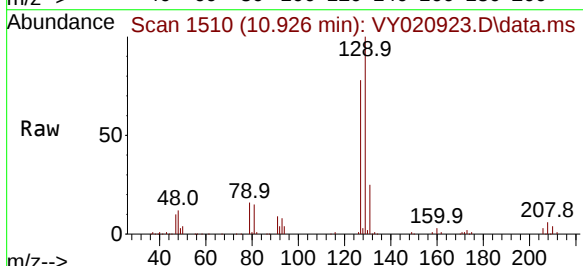
Acq: 24 Jan 2025 09:42

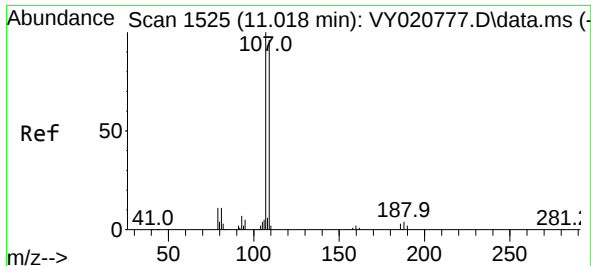
Tgt Ion: 129 Resp: 104301

Ion Ratio Lower Upper

129 100

127 78.2 38.3 114.9

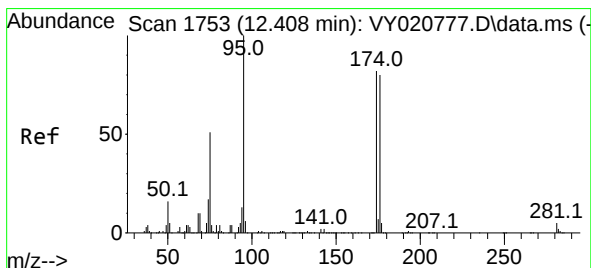
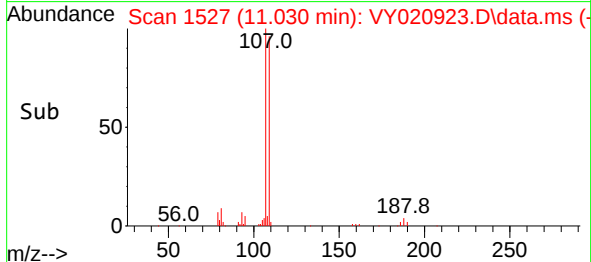
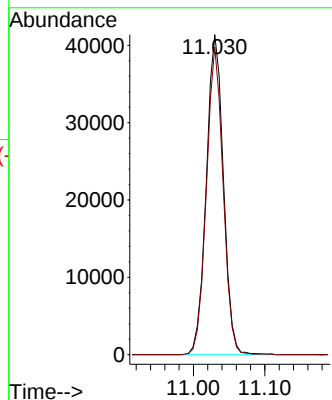
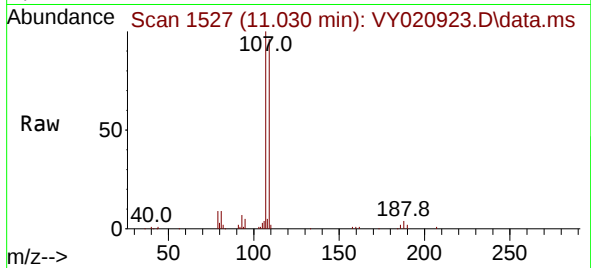




#61  
1,2-Dibromoethane  
Concen: 54.429 ug/l  
RT: 11.030 min Scan# 1527  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

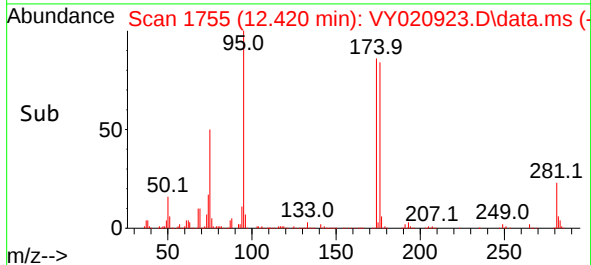
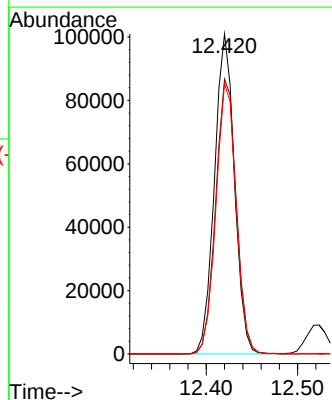
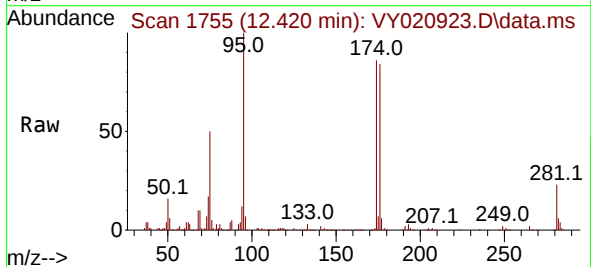
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

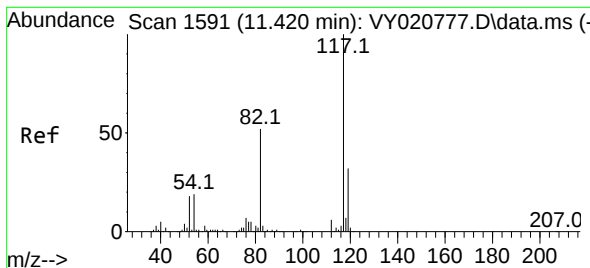
Tgt Ion:107 Resp: 68769  
Ion Ratio Lower Upper  
107 100  
109 93.7 75.5 113.3



#62  
4-Bromofluorobenzene  
Concen: 61.620 ug/l  
RT: 12.420 min Scan# 1755  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 95 Resp: 153336  
Ion Ratio Lower Upper  
95 100  
174 88.6 0.0 178.0  
176 85.5 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

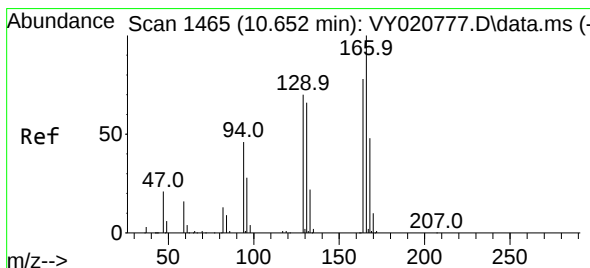
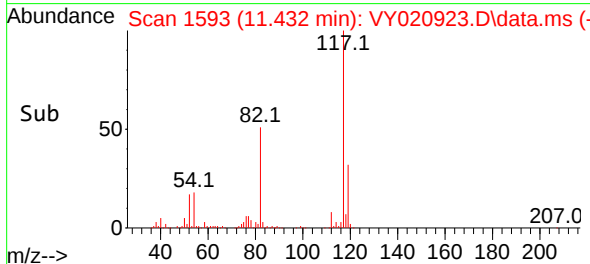
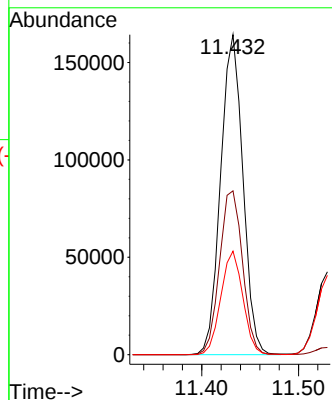
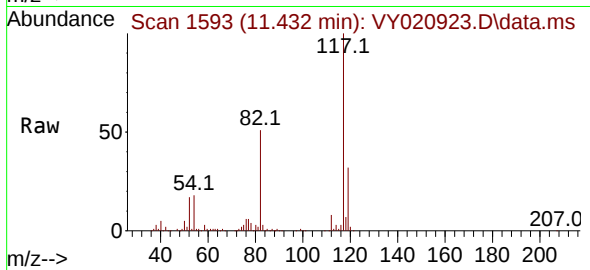
Tgt Ion:117 Resp: 262517

Ion Ratio Lower Upper

117 100

82 51.2 41.8 62.6

119 32.3 25.8 38.8



#64

Tetrachloroethene

Concen: 46.262 ug/l

RT: 10.658 min Scan# 1466

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Tgt Ion:164 Resp: 89289

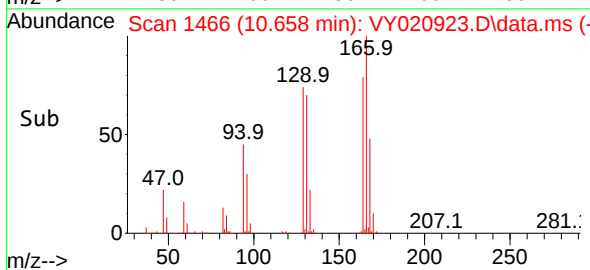
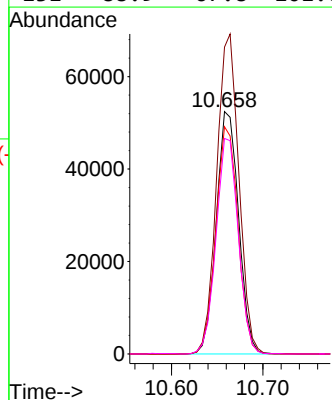
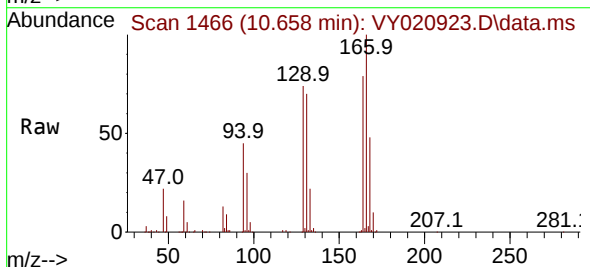
Ion Ratio Lower Upper

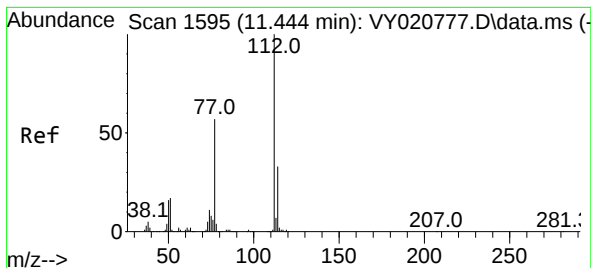
164 100

166 126.6 102.0 153.0

129 93.7 71.4 107.2

131 88.9 67.8 101.6

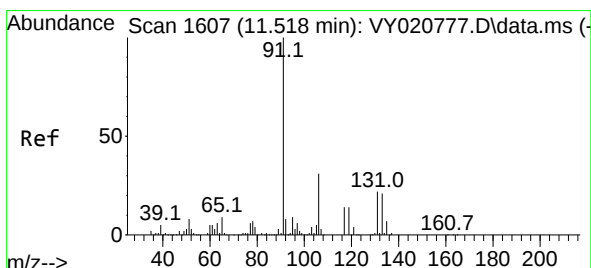
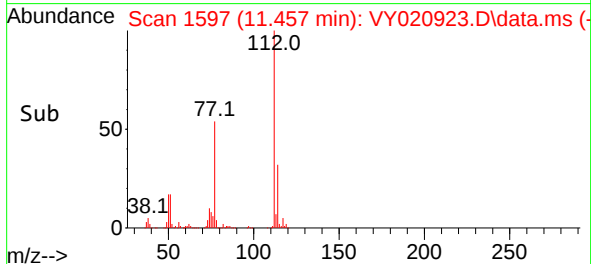
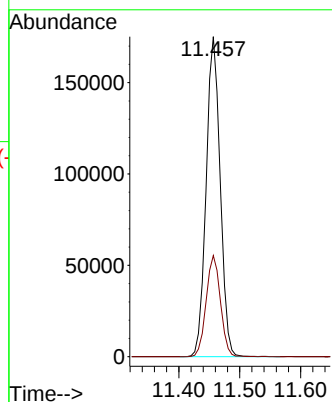
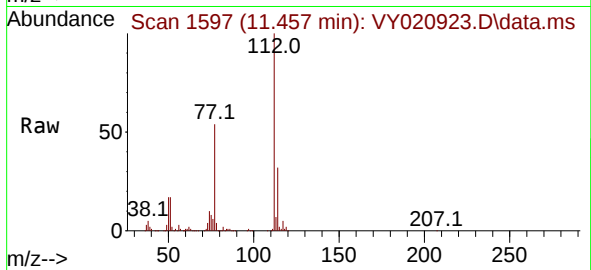




#65  
Chlorobenzene  
Concen: 48.270 ug/l  
RT: 11.457 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

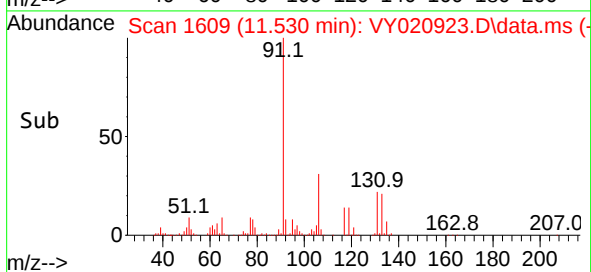
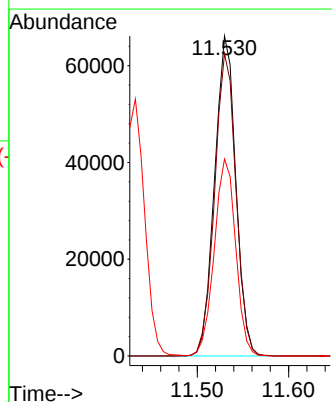
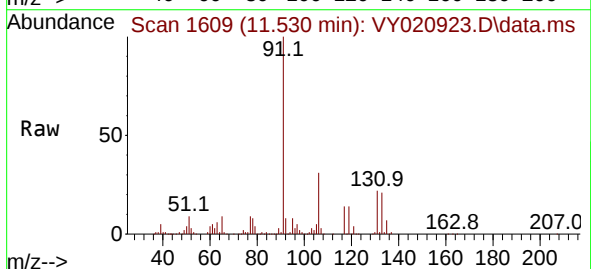
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

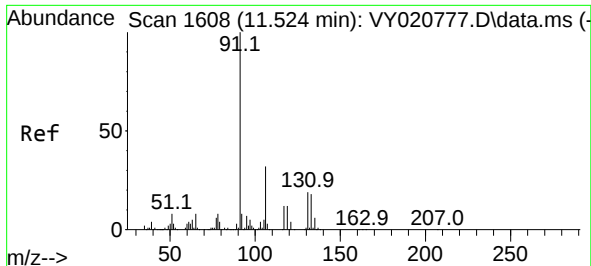
Tgt Ion:112 Resp: 280168  
Ion Ratio Lower Upper  
112 100  
114 31.6 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.210 ug/l  
RT: 11.530 min Scan# 1609  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion:131 Resp: 106526  
Ion Ratio Lower Upper  
131 100  
133 95.4 46.9 140.8  
119 62.2 30.2 90.6





#67

Ethyl Benzene

Concen: 48.132 ug/l

RT: 11.536 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

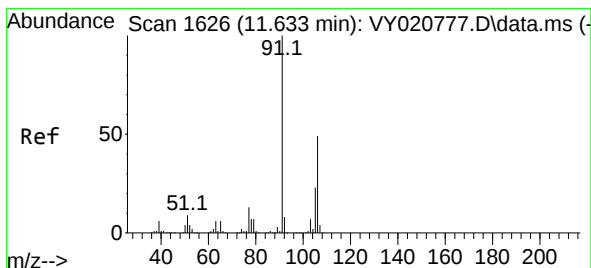
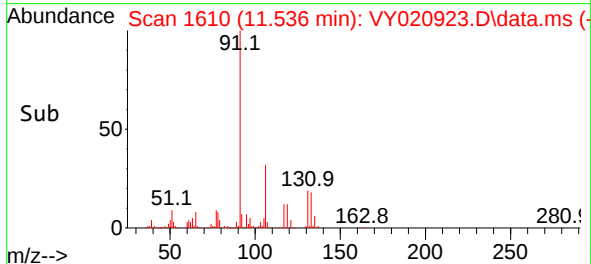
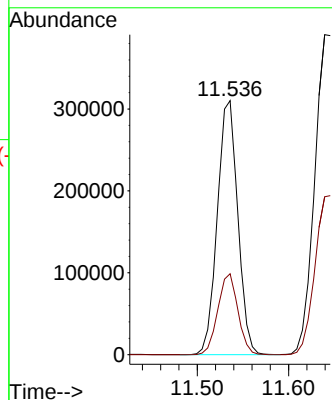
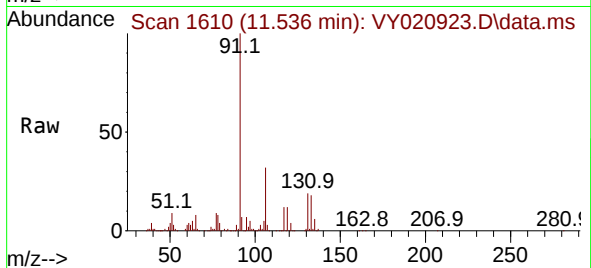
VSTDCCC050

Tgt Ion: 91 Resp: 483681

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 95.297 ug/l

RT: 11.646 min Scan# 1628

Delta R.T. -0.006 min

Lab File: VY020923.D

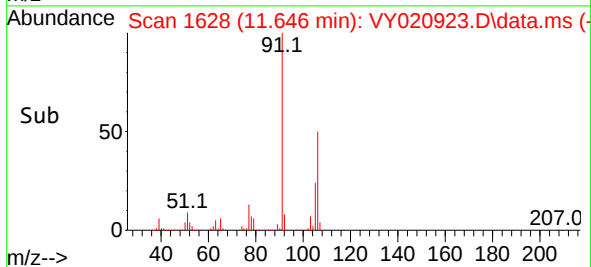
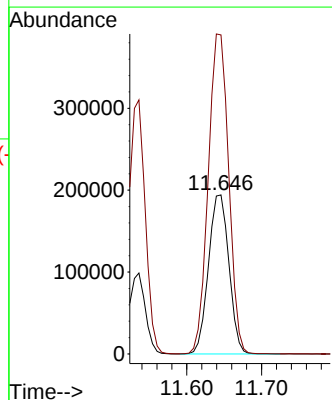
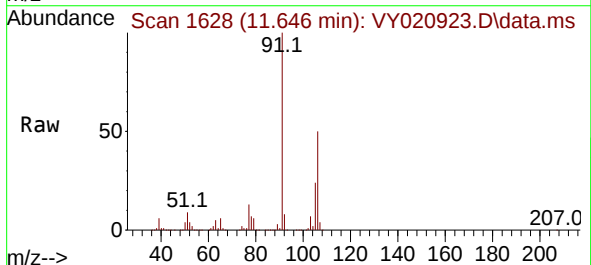
Acq: 24 Jan 2025 09:42

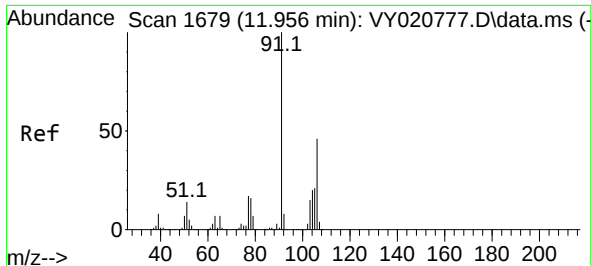
Tgt Ion:106 Resp: 368707

Ion Ratio Lower Upper

106 100

91 201.1 162.6 243.8

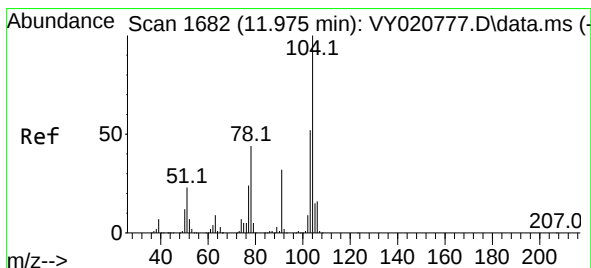
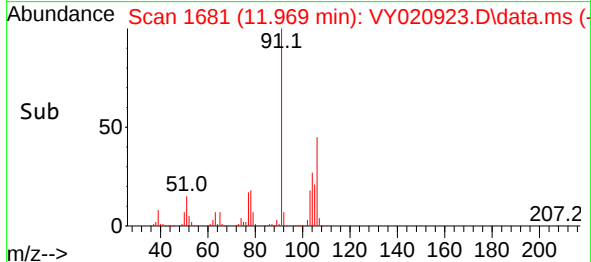
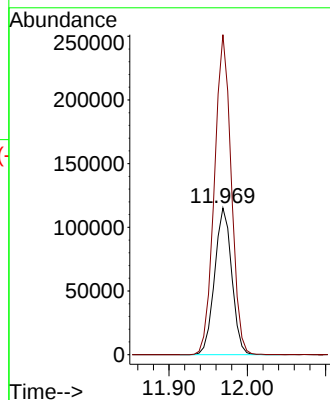
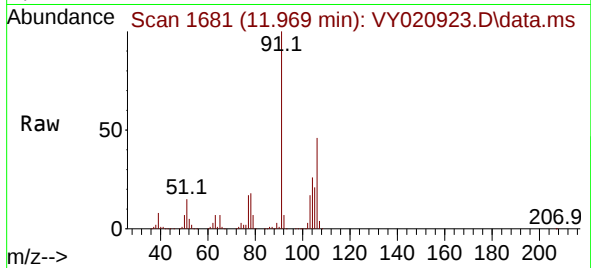




#69  
o-Xylene  
Concen: 47.641 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

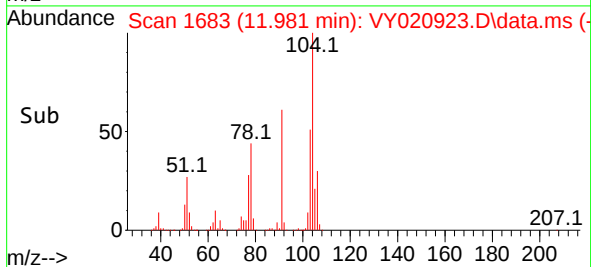
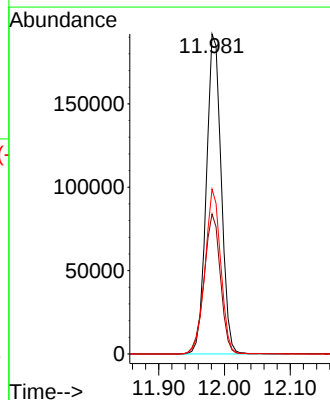
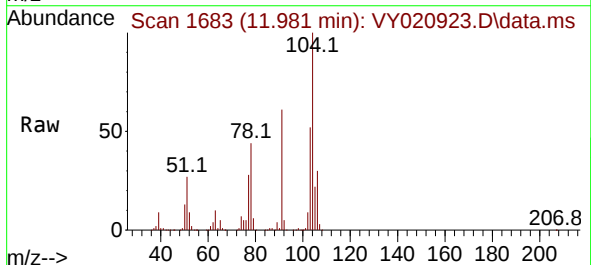
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

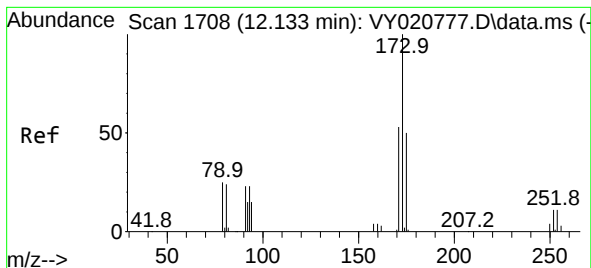
Tgt Ion:106 Resp: 174766  
Ion Ratio Lower Upper  
106 100  
91 214.9 108.2 324.6



#70  
Styrene  
Concen: 48.881 ug/l  
RT: 11.981 min Scan# 1683  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion:104 Resp: 301844  
Ion Ratio Lower Upper  
104 100  
78 48.2 39.4 59.2  
103 54.5 44.0 66.0





#71

Bromoform

Concen: 51.957 ug/l

RT: 12.146 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

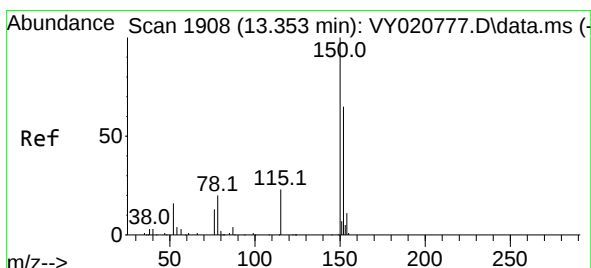
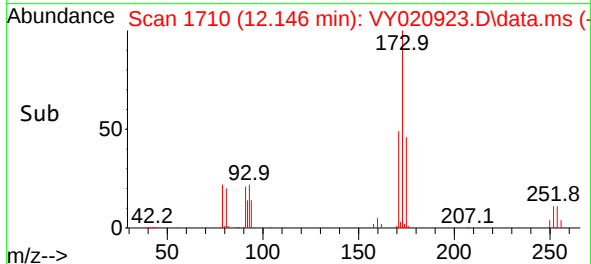
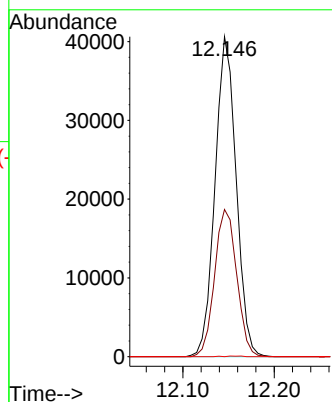
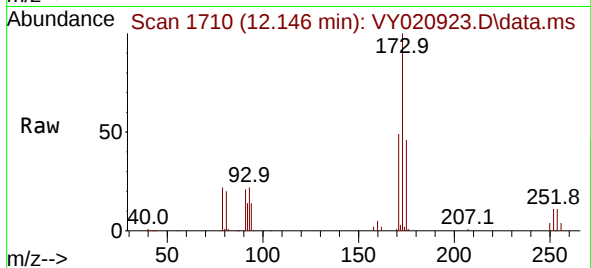
Tgt Ion:173 Resp: 65264

Ion Ratio Lower Upper

173 100

175 48.1 24.2 72.6

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

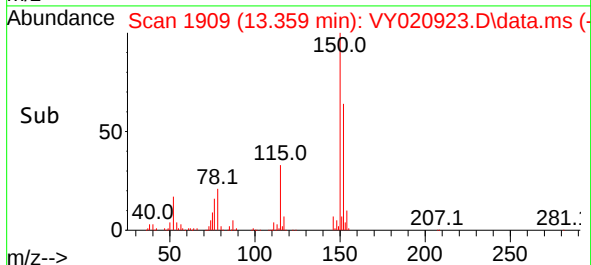
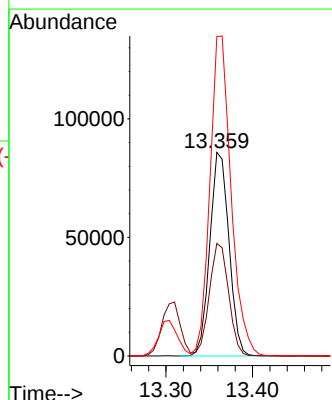
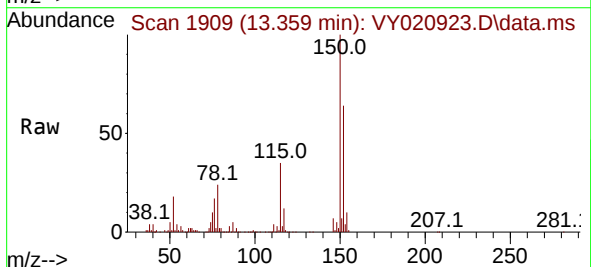
Tgt Ion:152 Resp: 132244

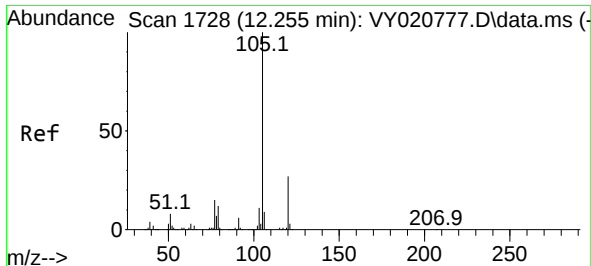
Ion Ratio Lower Upper

152 100

115 55.7 29.0 87.0

150 173.2 0.0 347.4

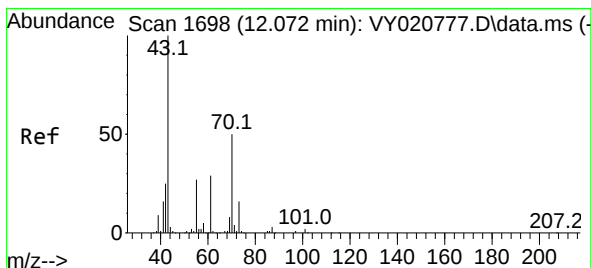
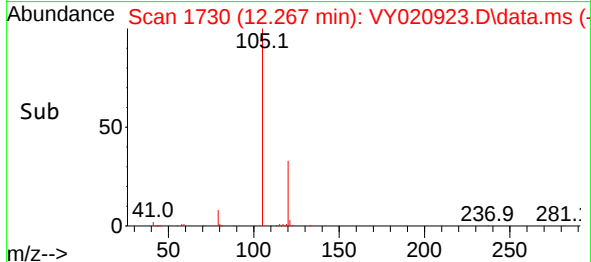
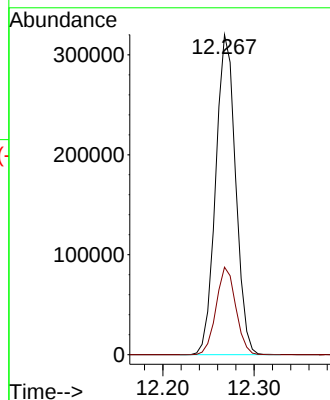
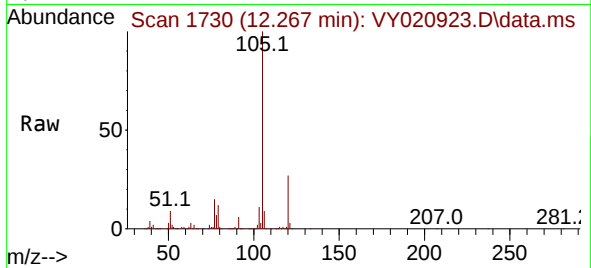




#73  
Isopropylbenzene  
Concen: 46.192 ug/l  
RT: 12.267 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

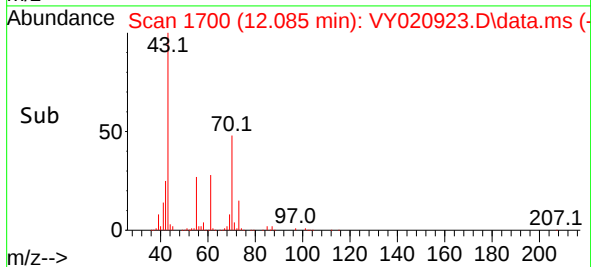
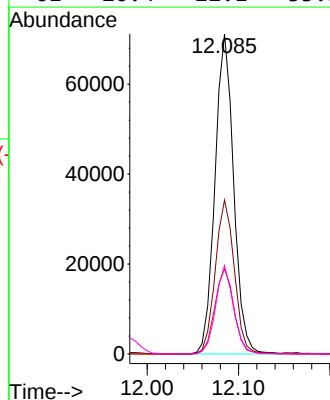
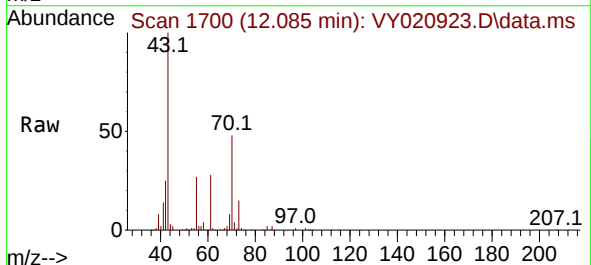
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

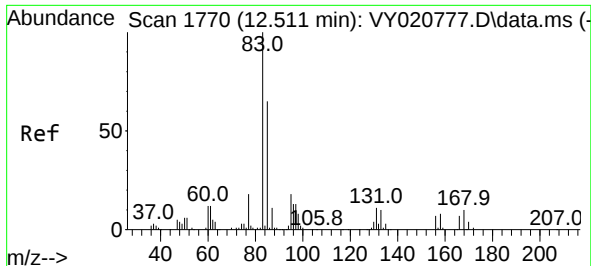
Tgt Ion:105 Resp: 484609  
Ion Ratio Lower Upper  
105 100  
120 26.9 13.3 39.9



#74  
N-ethyl acetate  
Concen: 58.973 ug/l  
RT: 12.085 min Scan# 1700  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 43 Resp: 101202  
Ion Ratio Lower Upper  
43 100  
70 49.0 40.2 60.4  
55 27.4 21.2 31.8  
61 26.4 22.1 33.1

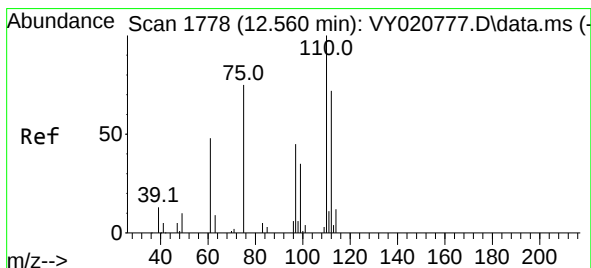
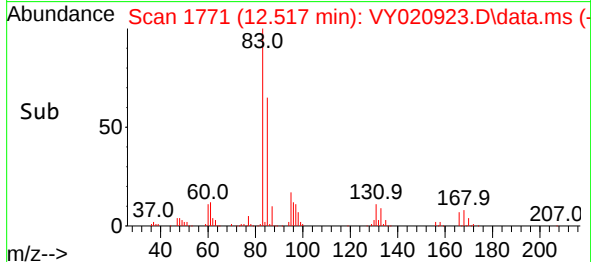
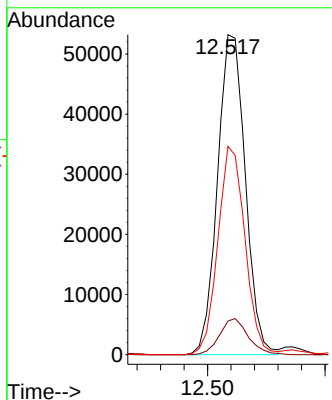
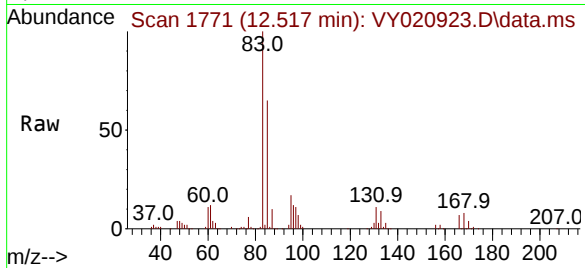




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 55.136 ug/l  
 RT: 12.517 min Scan# 1771  
 Delta R.T. -0.012 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

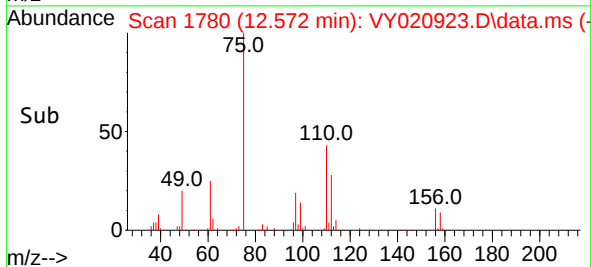
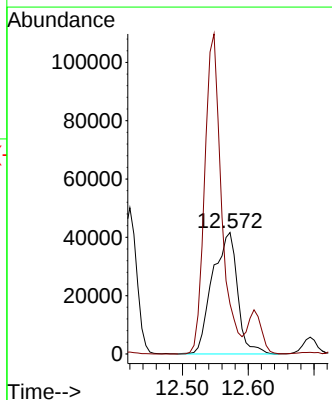
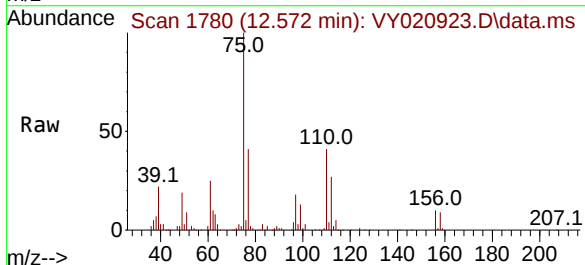
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

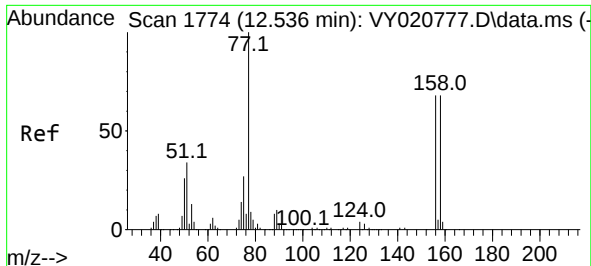
Tgt Ion: 83 Resp: 87671  
 Ion Ratio Lower Upper  
 83 100  
 131 11.6 6.0 18.0  
 85 63.4 32.0 96.2



#76  
 1,2,3-Trichloropropane  
 Concen: 95.390 ug/l  
 RT: 12.572 min Scan# 1780  
 Delta R.T. -0.006 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

Tgt Ion: 75 Resp: 110377  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

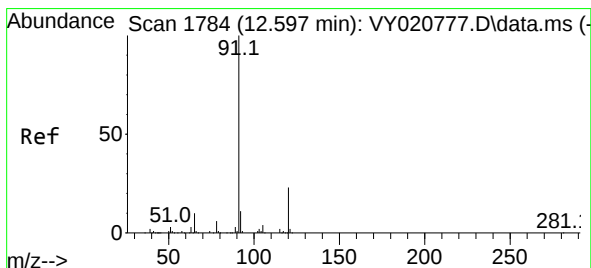
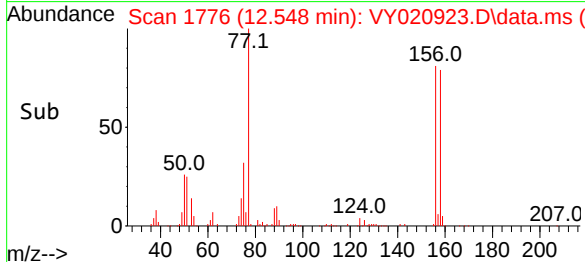
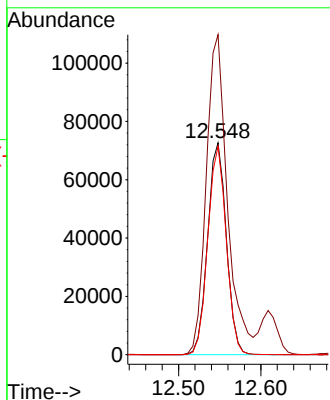
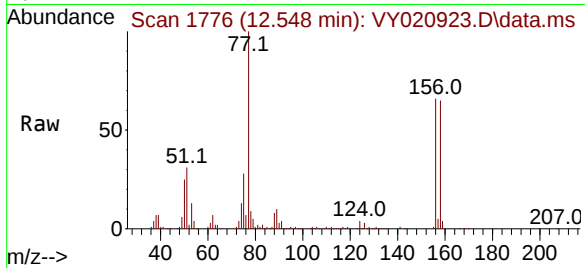




#77  
Bromobenzene  
Concen: 47.488 ug/l  
RT: 12.548 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

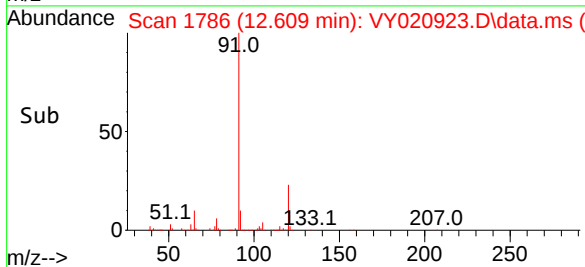
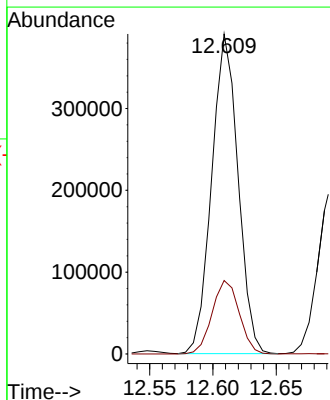
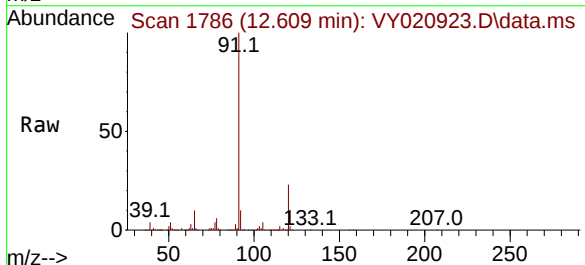
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

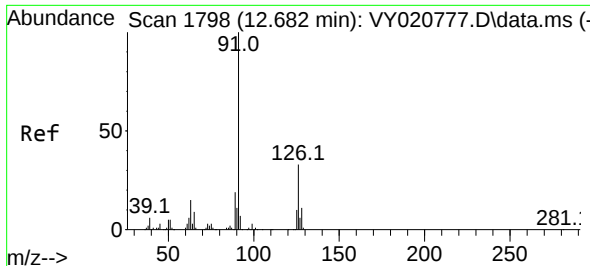
Tgt Ion:156 Resp: 114865  
Ion Ratio Lower Upper  
156 100  
77 170.8 82.3 247.0  
158 96.9 48.0 144.0



#78  
n-propylbenzene  
Concen: 47.538 ug/l  
RT: 12.609 min Scan# 1786  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 91 Resp: 566085  
Ion Ratio Lower Upper  
91 100  
120 23.6 12.0 36.1

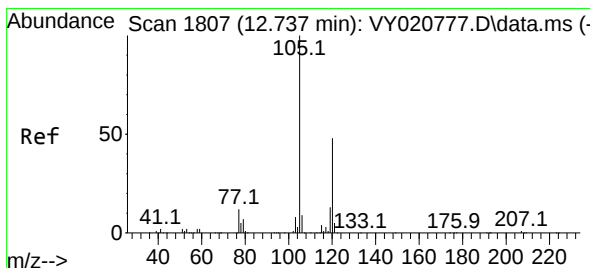
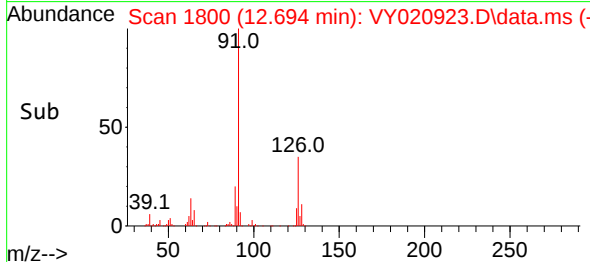
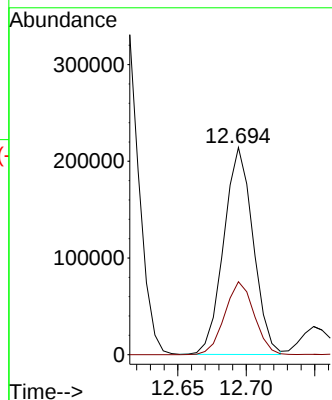
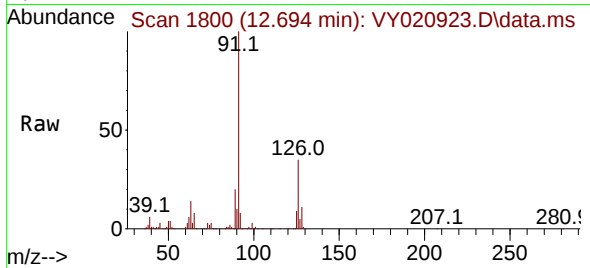




#79  
2-Chlorotoluene  
Concen: 46.651 ug/l  
RT: 12.694 min Scan# 1800  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

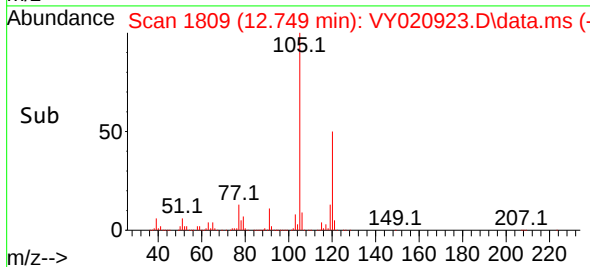
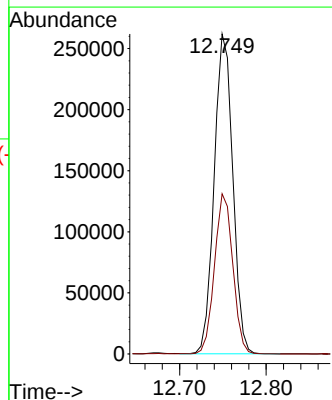
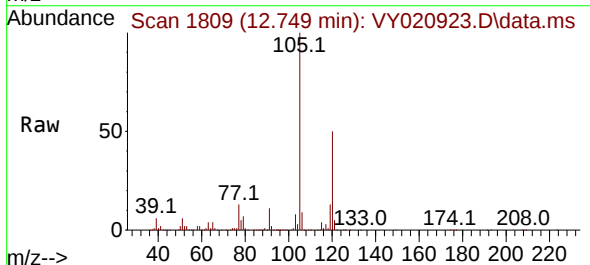
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

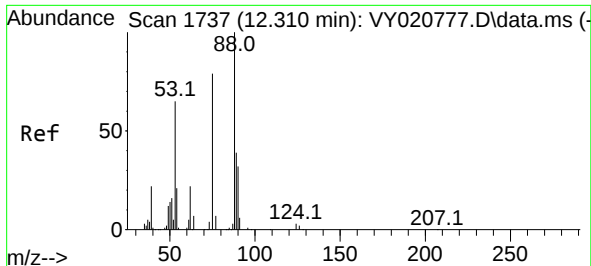
Tgt Ion: 91 Resp: 319907  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.5 52.6



#80  
1,3,5-Trimethylbenzene  
Concen: 45.883 ug/l  
RT: 12.749 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion:105 Resp: 390108  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.5 73.5

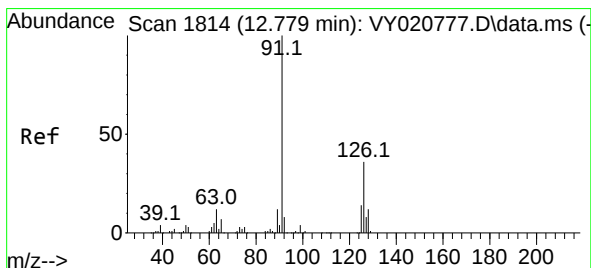
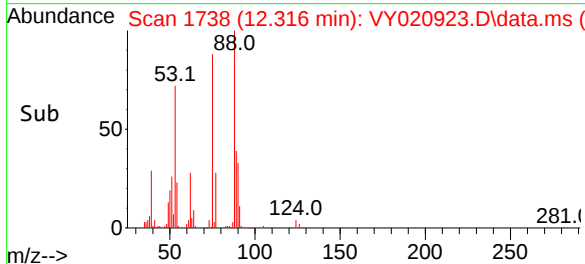
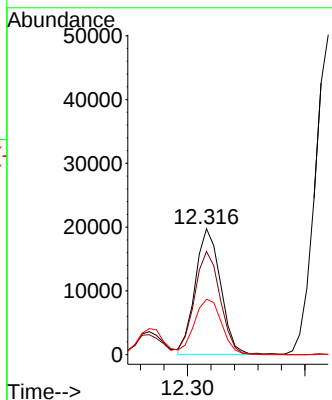
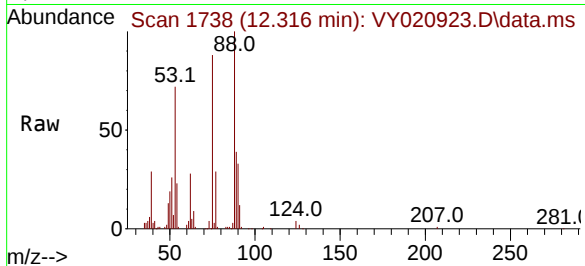




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.698 ug/l  
RT: 12.316 min Scan# 1738  
Delta R.T. -0.012 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

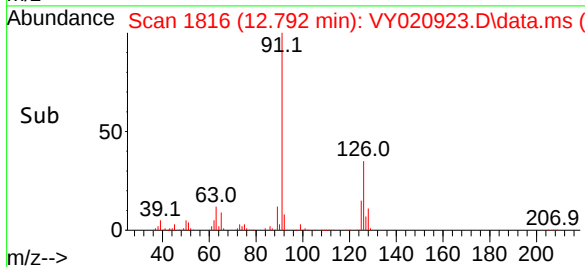
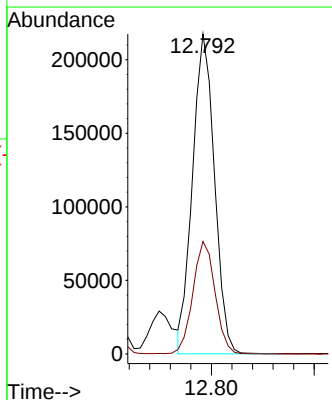
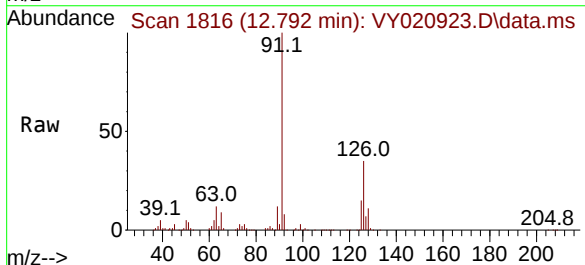
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

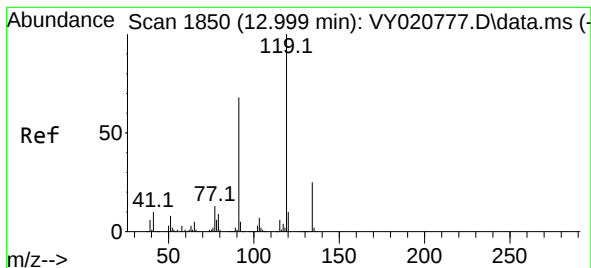
Tgt Ion: 75 Resp: 29468  
Ion Ratio Lower Upper  
75 100  
53 83.5 69.4 104.0  
89 47.6 39.6 59.4



#82  
4-Chlorotoluene  
Concen: 45.602 ug/l  
RT: 12.792 min Scan# 1816  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 91 Resp: 322715  
Ion Ratio Lower Upper  
91 100  
126 35.7 17.3 51.7





#83

tert-Butylbenzene

Concen: 45.403 ug/l

RT: 13.011 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

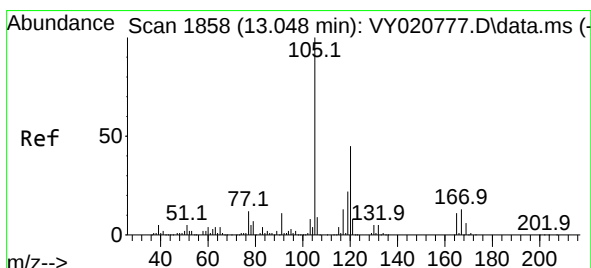
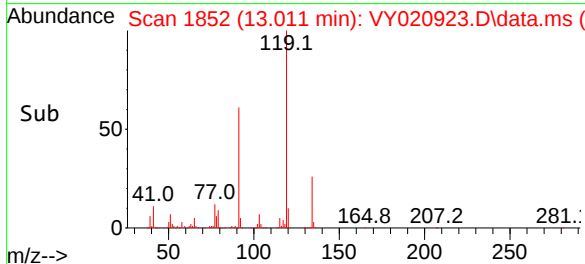
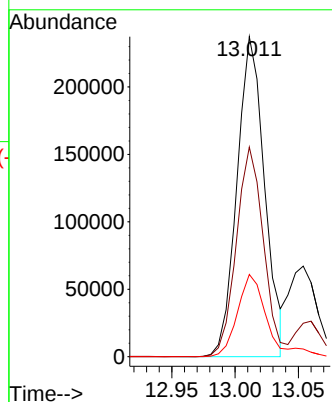
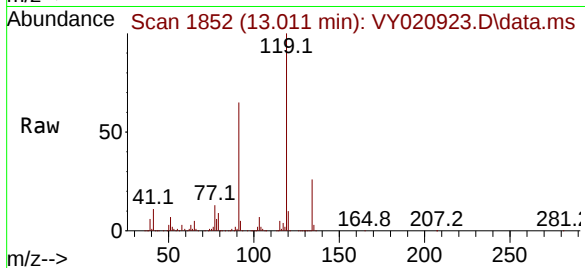
Tgt Ion:119 Resp: 361048

Ion Ratio Lower Upper

119 100

91 64.6 33.0 98.9

134 27.4 13.7 41.1



#84

1,2,4-Trimethylbenzene

Concen: 46.678 ug/l

RT: 13.060 min Scan# 1860

Delta R.T. -0.006 min

Lab File: VY020923.D

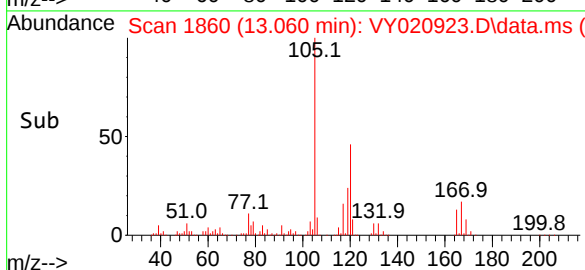
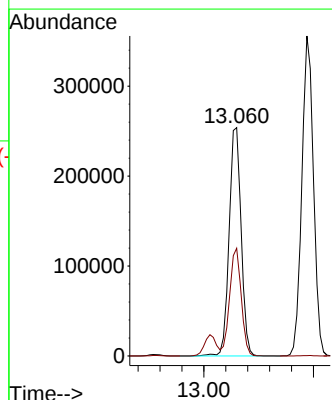
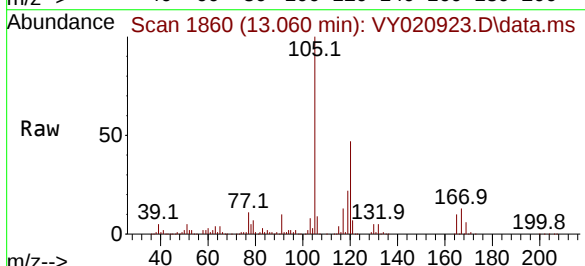
Acq: 24 Jan 2025 09:42

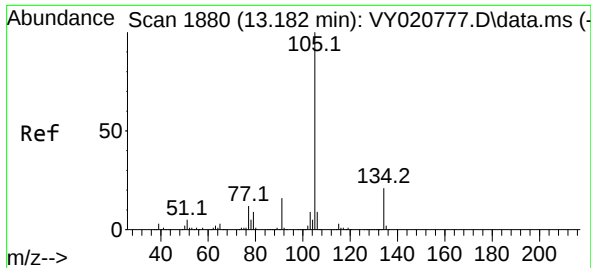
Tgt Ion:105 Resp: 387550

Ion Ratio Lower Upper

105 100

120 45.6 22.4 67.2

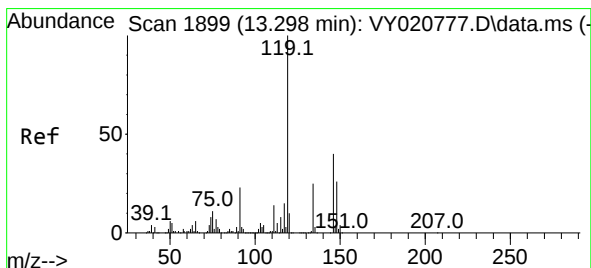
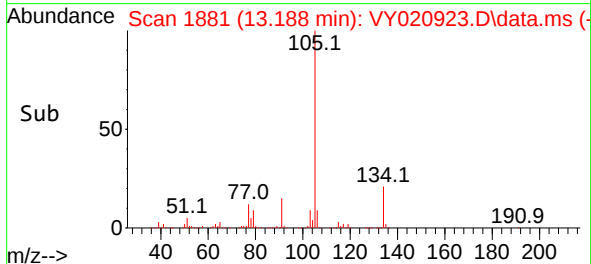
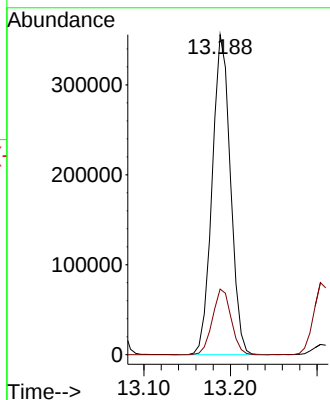
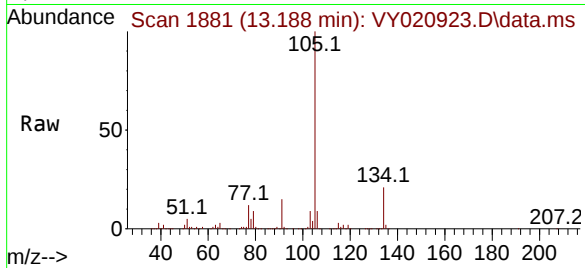




#85  
 sec-Butylbenzene  
 Concen: 46.922 ug/l  
 RT: 13.188 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

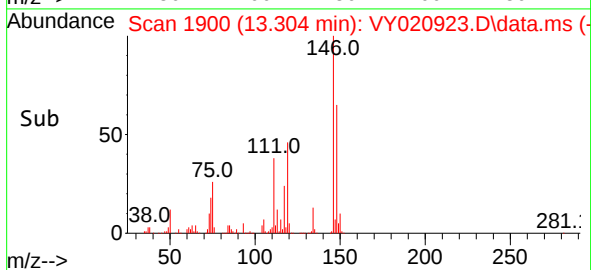
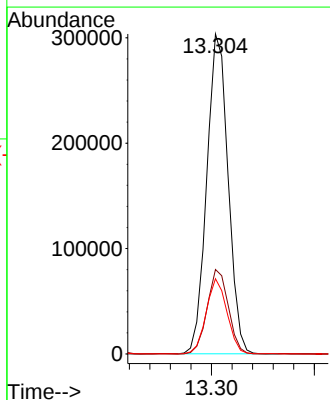
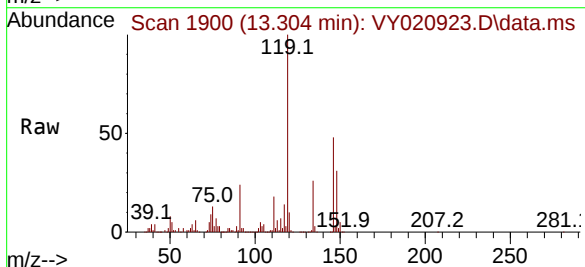
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

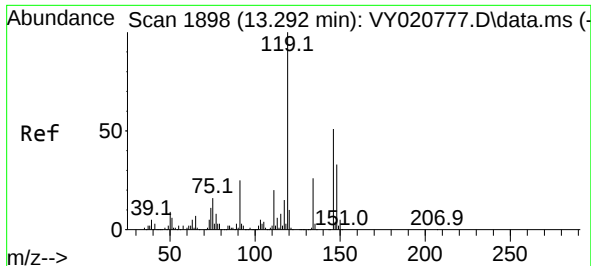
Tgt Ion:105 Resp: 521182  
 Ion Ratio Lower Upper  
 105 100  
 134 20.9 10.5 31.5



#86  
 p-Isopropyltoluene  
 Concen: 46.251 ug/l  
 RT: 13.304 min Scan# 1900  
 Delta R.T. -0.006 min  
 Lab File: VY020923.D  
 Acq: 24 Jan 2025 09:42

Tgt Ion:119 Resp: 438246  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.0 38.9  
 91 22.9 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 47.010 ug/l

RT: 13.304 min Scan# 1900

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

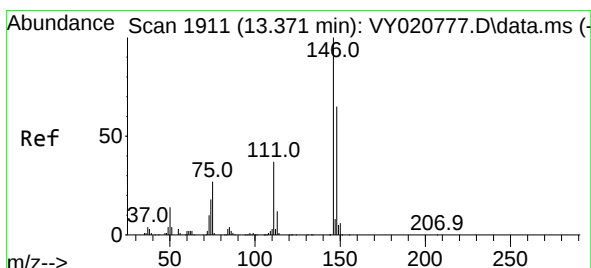
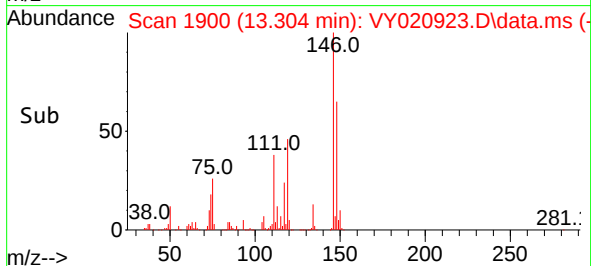
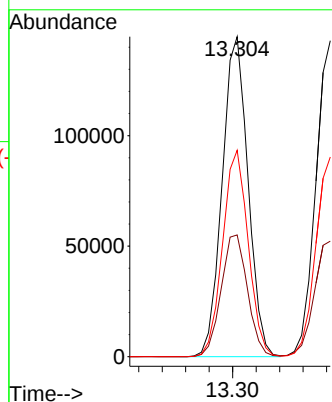
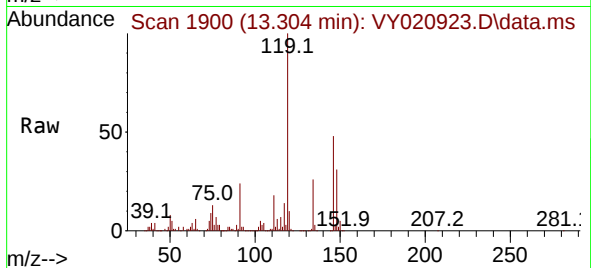
Tgt Ion:146 Resp: 220940

Ion Ratio Lower Upper

146 100

111 38.9 19.5 58.5

148 64.0 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 47.149 ug/l

RT: 13.383 min Scan# 1913

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

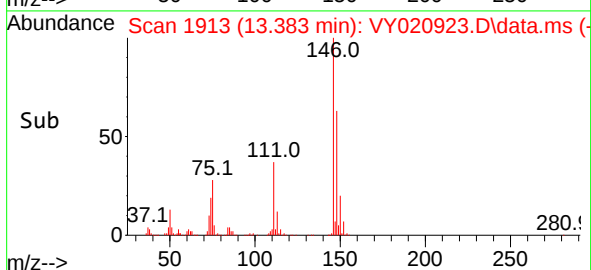
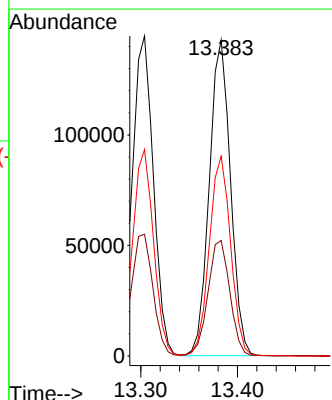
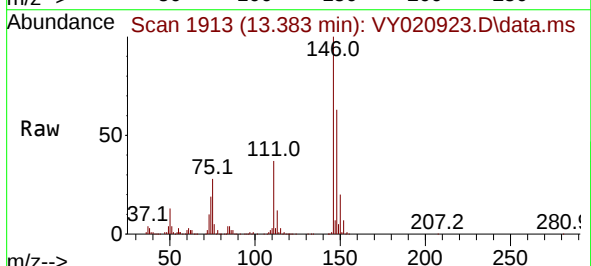
Tgt Ion:146 Resp: 218126

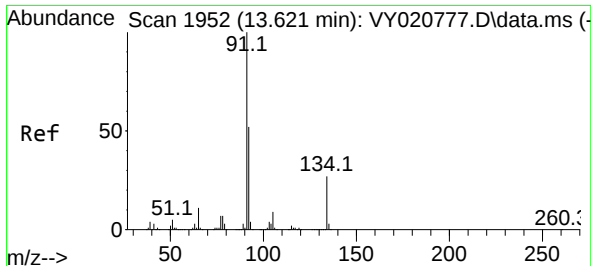
Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.3

148 63.7 32.1 96.5

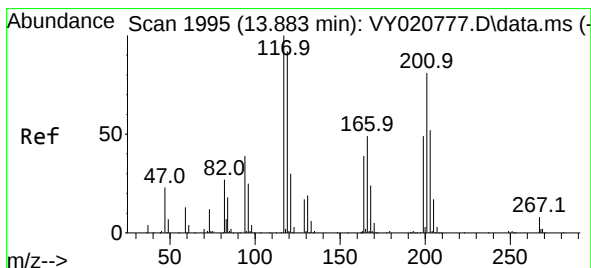
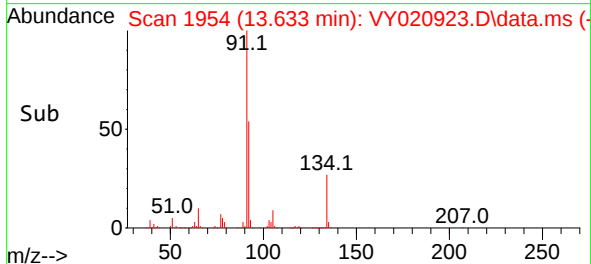
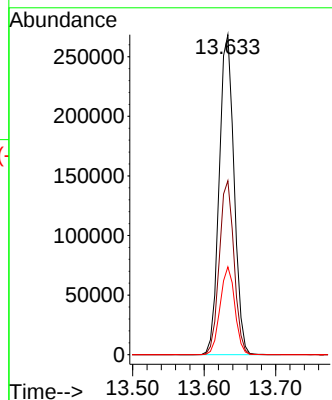
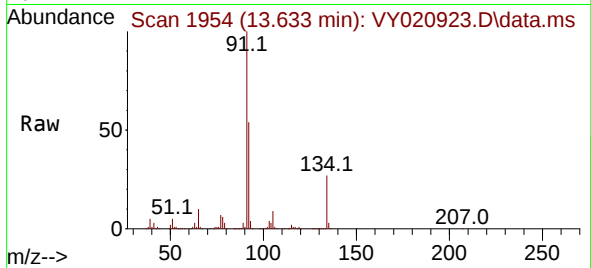




#89  
n-Butylbenzene  
Concen: 47.073 ug/l  
RT: 13.633 min Scan# 1954  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

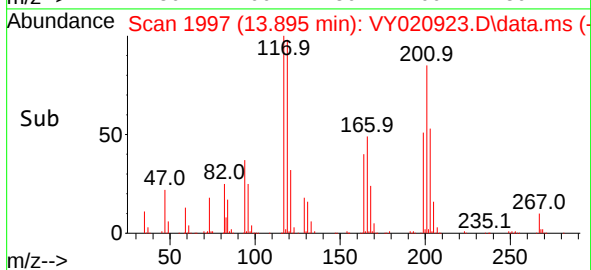
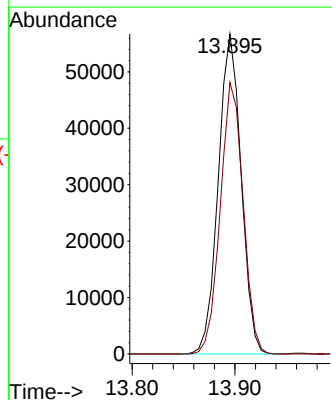
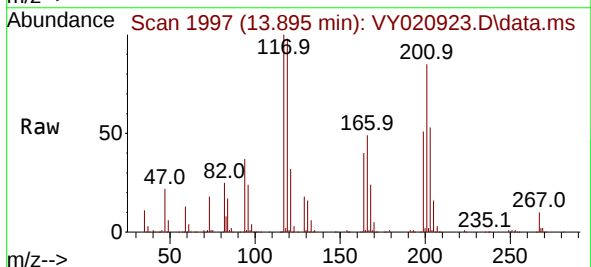
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

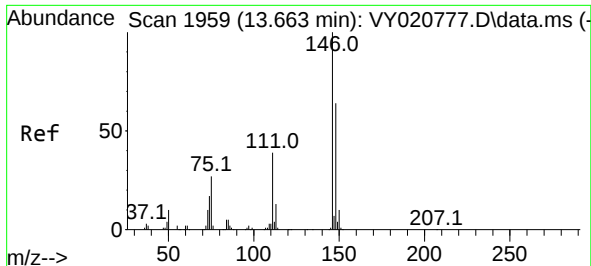
Tgt Ion: 91 Resp: 386951  
Ion Ratio Lower Upper  
91 100  
92 53.8 26.5 79.4  
134 27.2 13.8 41.4



#90  
Hexachloroethane  
Concen: 45.992 ug/l  
RT: 13.895 min Scan# 1997  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 117 Resp: 87505  
Ion Ratio Lower Upper  
117 100  
201 84.6 42.9 128.7

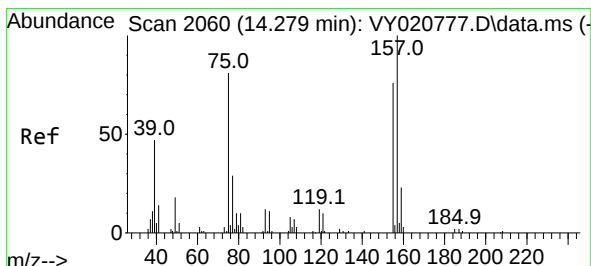
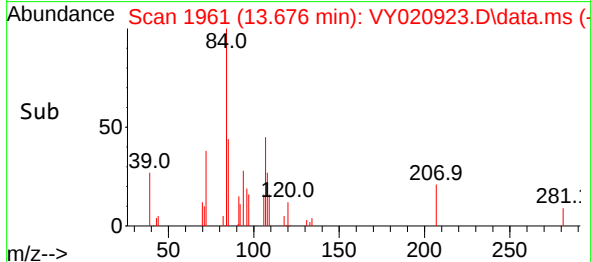
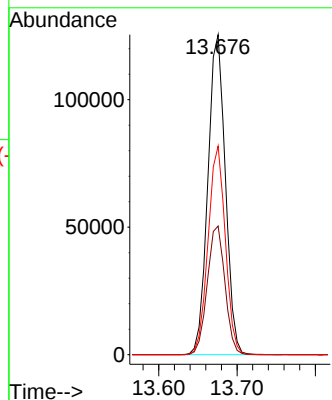
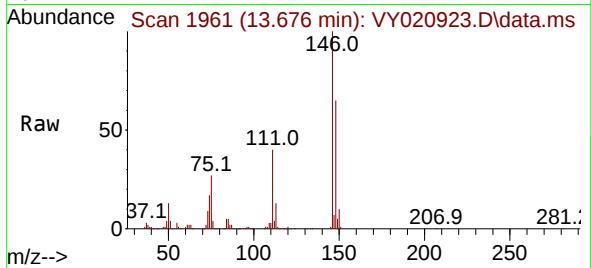




#91  
1,2-Dichlorobenzene  
Concen: 47.204 ug/l  
RT: 13.676 min Scan# 1959  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

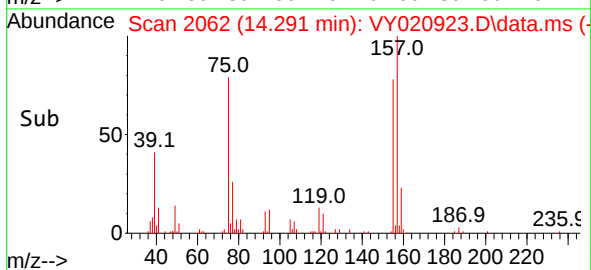
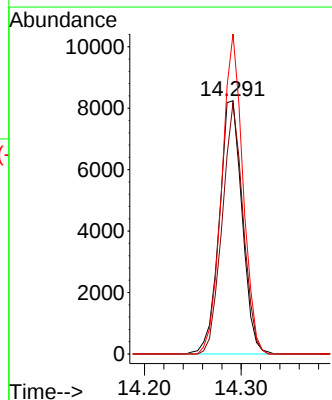
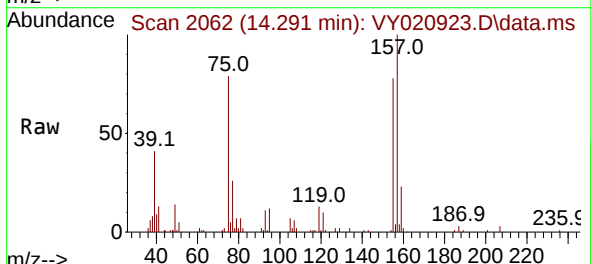
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

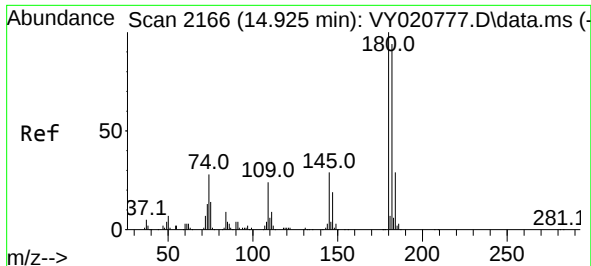
Tgt Ion:146 Resp: 193977  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.0 60.0  
148 64.4 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 52.411 ug/l  
RT: 14.291 min Scan# 2062  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion: 75 Resp: 13475  
Ion Ratio Lower Upper  
75 100  
155 90.5 45.5 136.5  
157 116.9 59.7 179.0

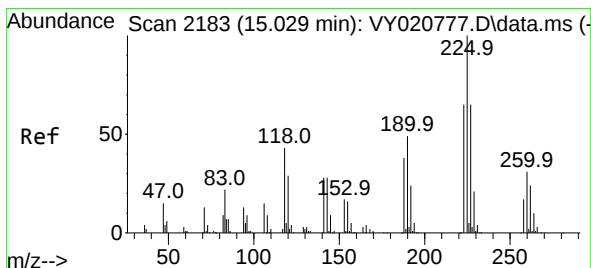
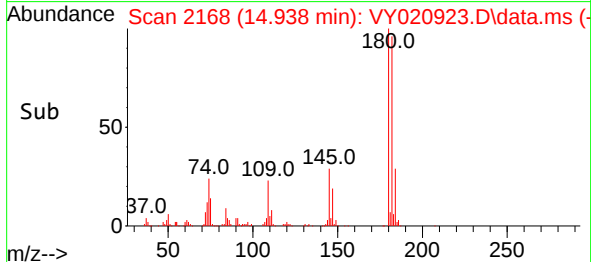
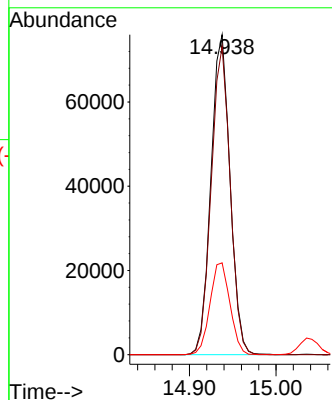
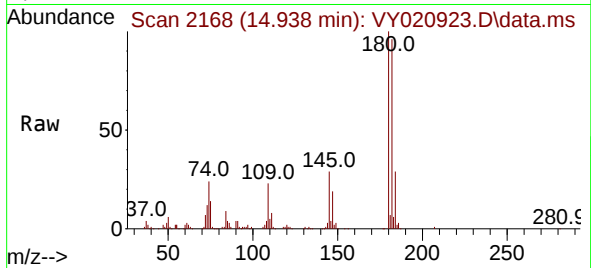




#93  
1,2,4-Trichlorobenzene  
Concen: 49.203 ug/l  
RT: 14.938 min Scan# 2166  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

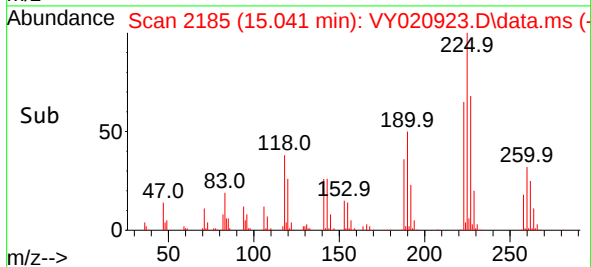
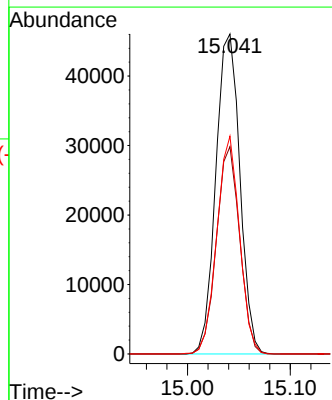
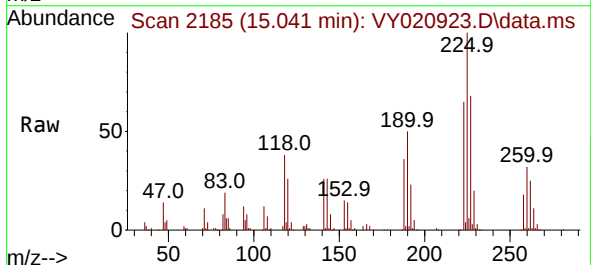
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

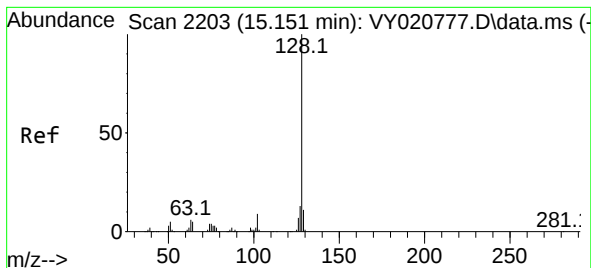
Tgt Ion:180 Resp: 116361  
Ion Ratio Lower Upper  
180 100  
182 95.7 47.6 142.9  
145 30.1 15.0 45.1



#94  
Hexachlorobutadiene  
Concen: 44.907 ug/l  
RT: 15.041 min Scan# 2185  
Delta R.T. -0.006 min  
Lab File: VY020923.D  
Acq: 24 Jan 2025 09:42

Tgt Ion:225 Resp: 74869  
Ion Ratio Lower Upper  
225 100  
223 62.6 31.6 94.8  
227 64.2 32.2 96.6





#95

Naphthalene

Concen: 53.201 ug/l

RT: 15.163 min Scan# 2203

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

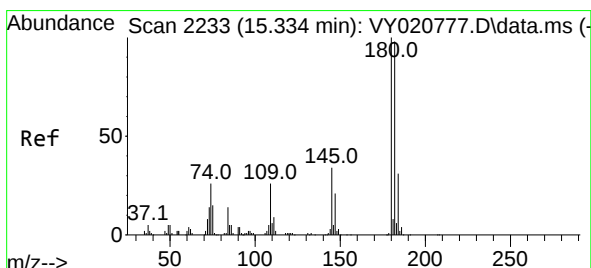
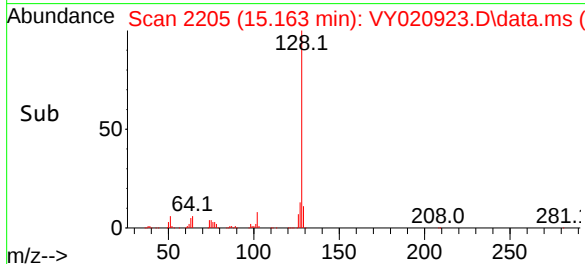
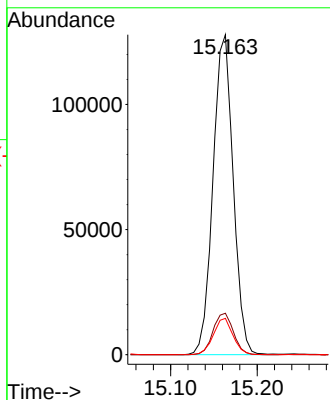
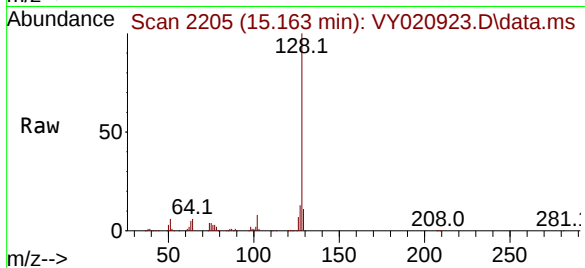
Tgt Ion:128 Resp: 207073

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.1 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 50.369 ug/l

RT: 15.346 min Scan# 2235

Delta R.T. -0.006 min

Lab File: VY020923.D

Acq: 24 Jan 2025 09:42

Tgt Ion:180 Resp: 99797

Ion Ratio Lower Upper

180 100

182 94.5 48.1 144.3

145 31.8 16.1 48.2

