

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021725\  
 Data File : VY021224.D  
 Acq On : 17 Feb 2025 16:34  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 18 00:49:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.719  | 168  | 153123   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 241946   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.426 | 117  | 213667   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 104994   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.073  | 65    | 83611    | 53.294   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.580% |      |
| 35) Dibromofluoromethane    | 7.646  | 113   | 80021    | 51.608   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 103.220% |      |
| 50) Toluene-d8              | 10.115 | 98    | 303904   | 51.483   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.960% |      |
| 62) 4-Bromofluorobenzene    | 12.414 | 95    | 106276   | 55.108   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 110.220% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 65313  | 47.857  | ug/l   | 93  |
| 3) Chloromethane             | 2.074 | 50  | 71137  | 52.823  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.214 | 62  | 74424  | 54.905  | ug/l   | 100 |
| 5) Bromomethane              | 2.604 | 94  | 45042  | 53.763  | ug/l   | 99  |
| 6) Chloroethane              | 2.745 | 64  | 47177  | 58.467  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.068 | 101 | 129446 | 52.418  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.464 | 74  | 41652  | 54.029  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 3.830 | 101 | 80194  | 51.741  | ug/l   | 96  |
| 10) Methyl Iodide            | 4.019 | 142 | 95721  | 55.590  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 4.884 | 59  | 24384  | 229.356 | ug/l # | 90  |
| 12) 1,1-Dichloroethene       | 3.799 | 96  | 77787  | 53.279  | ug/l   | 90  |
| 13) Acrolein                 | 3.659 | 56  | 22496  | 137.411 | ug/l   | 97  |
| 14) Allyl chloride           | 4.397 | 41  | 139840 | 56.831  | ug/l   | 94  |
| 15) Acrylonitrile            | 5.073 | 53  | 88115  | 274.480 | ug/l   | 99  |
| 16) Acetone                  | 3.885 | 43  | 65688  | 268.485 | ug/l   | 93  |
| 17) Carbon Disulfide         | 4.116 | 76  | 225902 | 49.343  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.397 | 43  | 50450  | 58.740  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.128 | 73  | 208419 | 56.479  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.628 | 84  | 84953  | 55.855  | ug/l   | 90  |
| 21) trans-1,2-Dichloroethene | 5.128 | 96  | 87324  | 54.337  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.025 | 45  | 300376 | 59.225  | ug/l   | 97  |
| 23) Vinyl Acetate            | 5.970 | 43  | 802254 | 283.748 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 5.927 | 63  | 170590 | 57.408  | ug/l   | 98  |
| 25) 2-Butanone               | 6.902 | 43  | 109033 | 271.196 | ug/l   | 99  |
| 26) 2,2-Dichloropropane      | 6.896 | 77  | 149095 | 54.226  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 6.902 | 96  | 105315 | 56.933  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.256 | 49  | 66013  | 56.180  | ug/l   | 95  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 73431  | 269.918 | ug/l   | 96  |
| 30) Chloroform               | 7.433 | 83  | 176217 | 57.734  | ug/l   | 100 |
| 31) Cyclohexane              | 7.713 | 56  | 134100 | 50.114  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 7.628 | 97  | 159001 | 56.031  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 121769 | 53.020  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.000 | 43  | 53854  | 53.452  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.829 | 117 | 143481 | 53.467  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.115 | 83  | 146034 | 51.984  | ug/l   | 97  |
| 40) Benzene                  | 8.085 | 78  | 375095 | 55.654  | ug/l   | 98  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 18 00:49:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 03 13:08:38 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.232  | 41   | 26082    | 44.747   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.164  | 62   | 104136   | 55.699   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 109103   | 54.498   | ug/l   | 97       |
| 44) Trichloroethene           | 8.872  | 130  | 92926    | 53.366   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 91033    | 56.906   | ug/l   | 99       |
| 46) Dibromomethane            | 9.237  | 93   | 48118    | 54.326   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.432  | 83   | 135266   | 56.944   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.225  | 41   | 50420    | 55.291   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.237  | 88   | 9145     | 1109.106 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.006 | 43   | 275710   | 273.870  | ug/l   | 97       |
| 52) Toluene                   | 10.176 | 92   | 236660   | 55.922   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.402 | 75   | 120316   | 56.408   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.865  | 75   | 143275   | 56.732   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 62884    | 54.827   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.444 | 69   | 87036    | 56.724   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.725 | 76   | 111056   | 55.941   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63   | 191674   | 262.579  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.768 | 43   | 180458   | 278.405  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.920 | 129  | 89017    | 55.265   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.024 | 107  | 58716    | 54.654   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.652 | 164  | 79214    | 49.941   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.450 | 112  | 258832   | 54.403   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.524 | 131  | 93249    | 55.153   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.524 | 91   | 465459   | 55.313   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.633 | 106  | 342892   | 108.922  | ug/l   | 97       |
| 69) o-Xylene                  | 11.962 | 106  | 165046   | 56.233   | ug/l   | 97       |
| 70) Styrene                   | 11.975 | 104  | 277521   | 56.732   | ug/l   | 98       |
| 71) Bromoform                 | 12.139 | 173  | 50421    | 53.577   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.261 | 105  | 440025   | 53.652   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.078 | 43   | 97519    | 54.386   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 69928    | 51.266   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.566 | 75   | 93602    | 98.278   | ug/l # | 100      |
| 77) Bromobenzene              | 12.542 | 156  | 101761   | 53.767   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.603 | 91   | 520626   | 53.289   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.688 | 91   | 300761   | 53.749   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.743 | 105  | 353828   | 53.211   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.310 | 75   | 23036    | 49.352   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.786 | 91   | 305115   | 53.518   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.005 | 119  | 323109   | 53.459   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 358874   | 55.197   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.182 | 105  | 459000   | 52.757   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 384282   | 53.172   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.298 | 146  | 191979   | 52.534   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.377 | 146  | 187505   | 52.111   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.627 | 91   | 354069   | 53.702   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.889 | 117  | 81502    | 54.057   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.669 | 146  | 166061   | 52.355   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.285 | 75   | 10597    | 51.989   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.931 | 180  | 100325   | 56.824   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.035 | 225  | 64613    | 55.226   | ug/l   | 99       |
| 95) Naphthalene               | 15.157 | 128  | 169638   | 60.057   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.340 | 180  | 85414    | 58.133   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

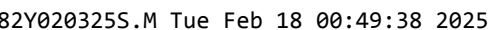
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MSVOA\_Y  
ClientSampleId :

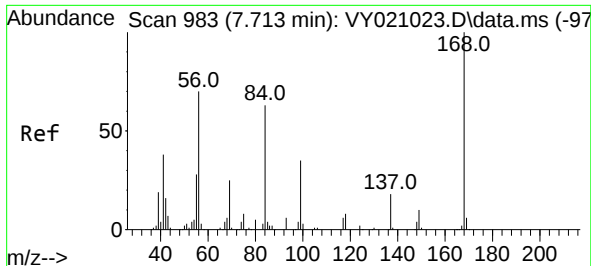
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

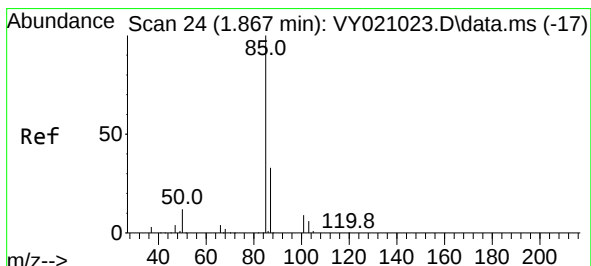
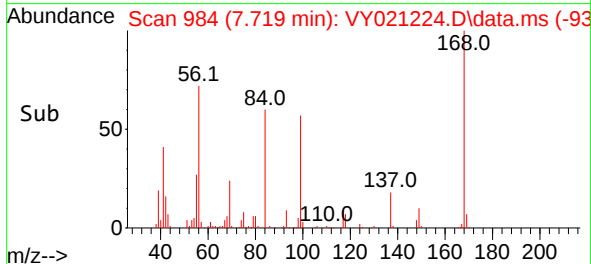
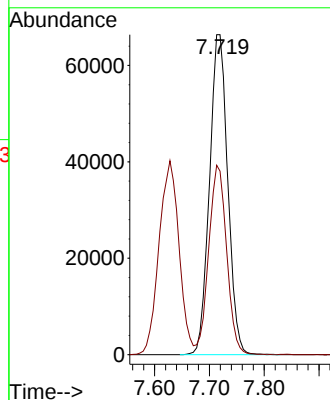
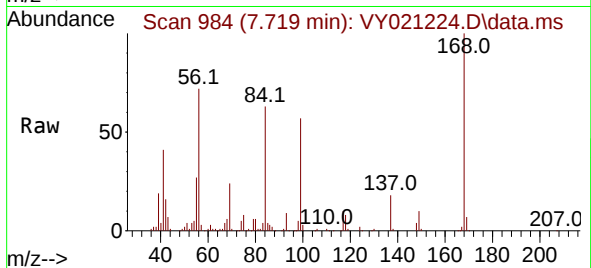




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.719 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

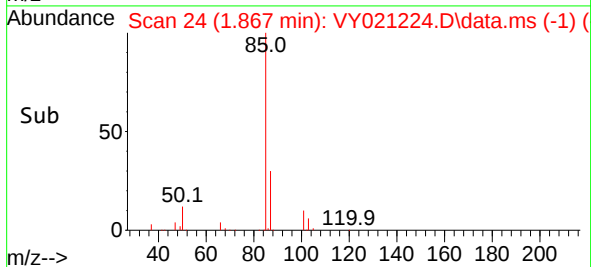
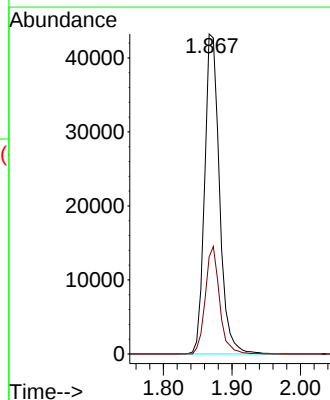
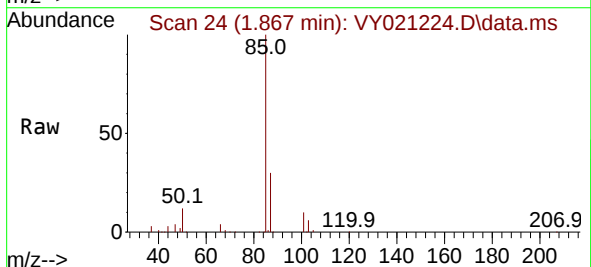
Instrument :  
MSVOA\_Y  
ClientSampleId :

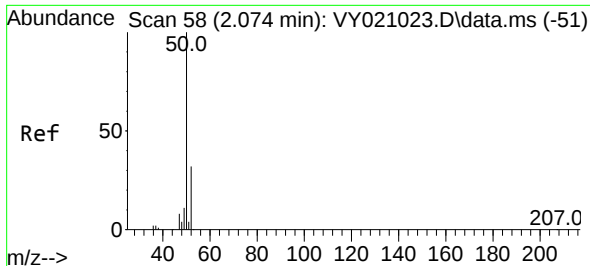
Tgt Ion:168 Resp: 153123  
Ion Ratio Lower Upper  
168 100  
99 57.3 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 47.857 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 85 Resp: 65313  
Ion Ratio Lower Upper  
85 100  
87 30.4 17.1 51.3

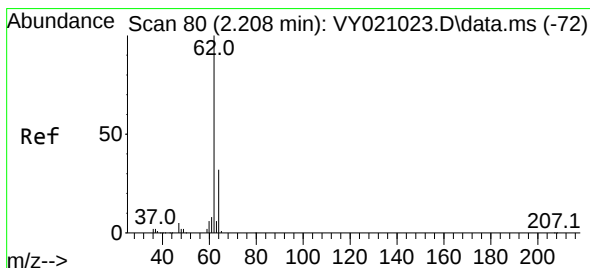
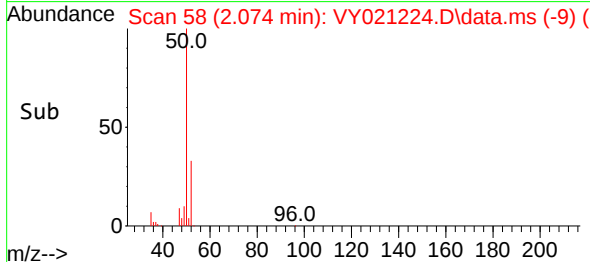
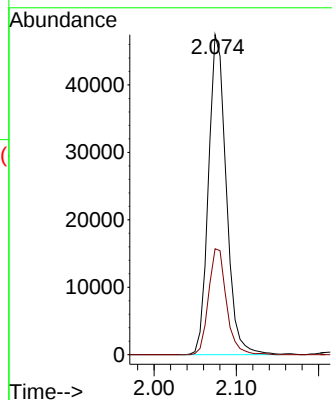
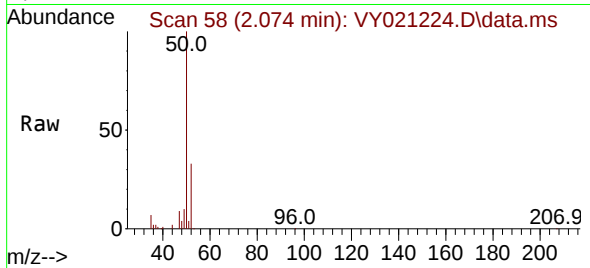




#3  
Chloromethane  
Concen: 52.823 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

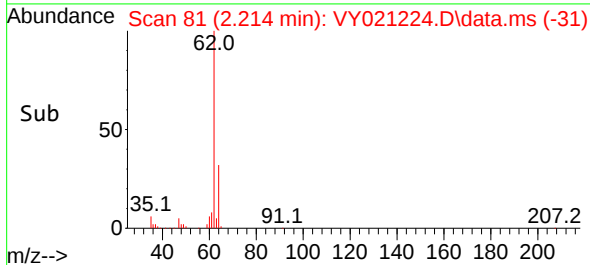
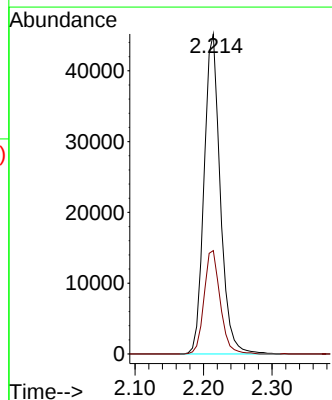
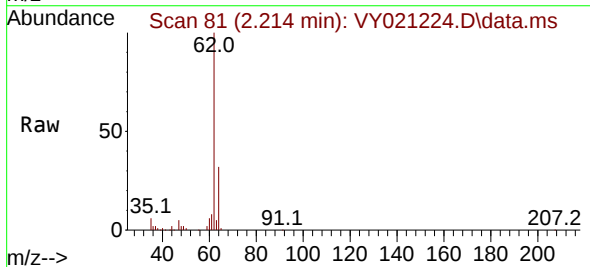
Instrument :  
MSVOA\_Y  
ClientSampleId :

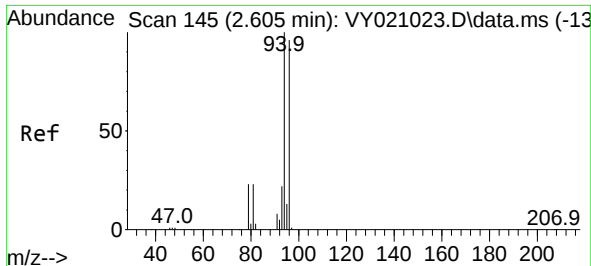
Tgt Ion: 50 Resp: 71137  
Ion Ratio Lower Upper  
50 100  
52 33.1 26.7 40.1



#4  
Vinyl Chloride  
Concen: 54.905 ug/l  
RT: 2.214 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 62 Resp: 74424  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.7 38.5

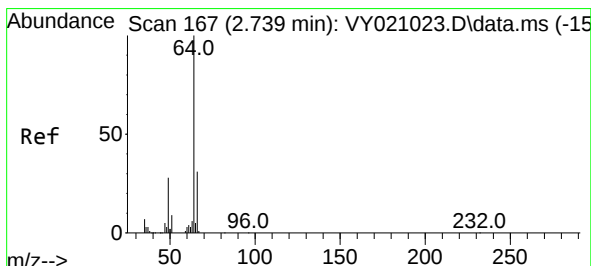
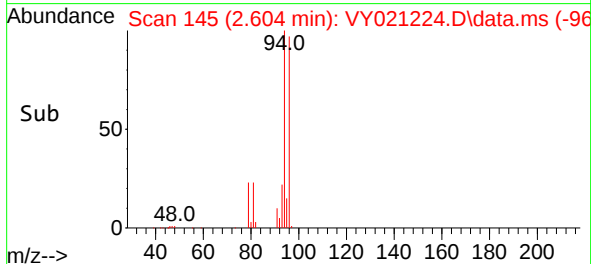
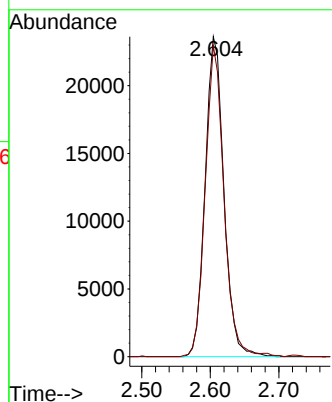
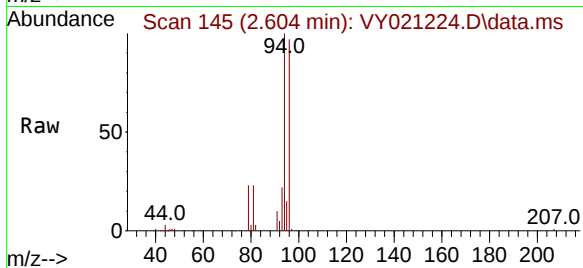




#5  
Bromomethane  
Concen: 53.763 ug/l  
RT: 2.604 min Scan# 145  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

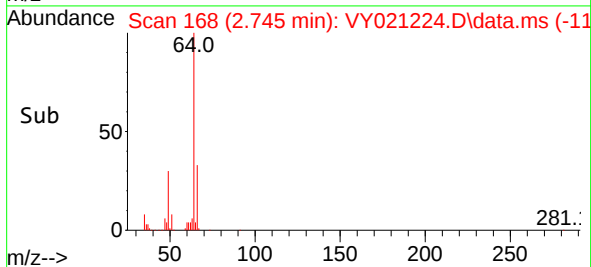
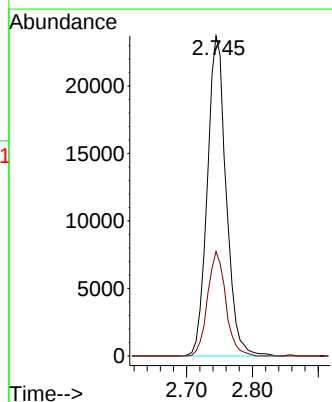
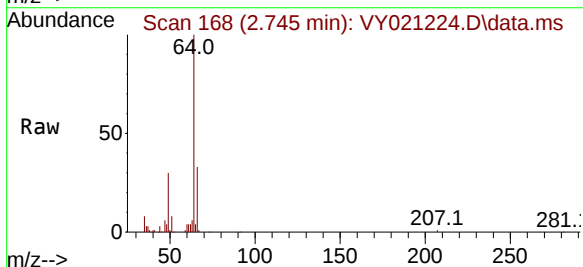
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 94 Resp: 45042  
Ion Ratio Lower Upper  
94 100  
96 97.2 77.3 115.9



#6  
Chloroethane  
Concen: 58.467 ug/l  
RT: 2.745 min Scan# 168  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 64 Resp: 47177  
Ion Ratio Lower Upper  
64 100  
66 32.6 25.1 37.7

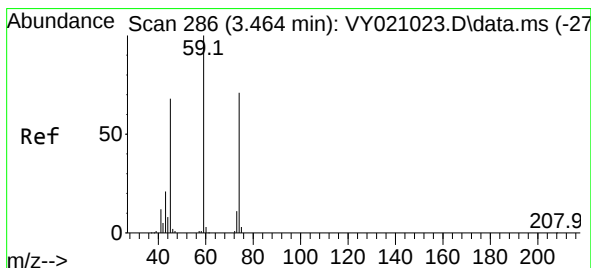
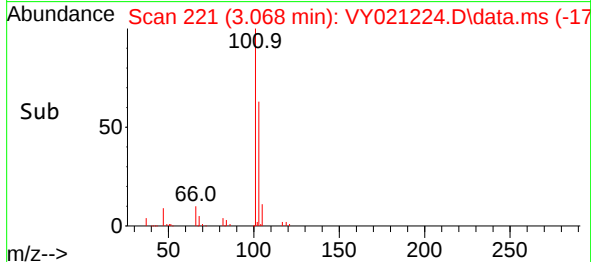
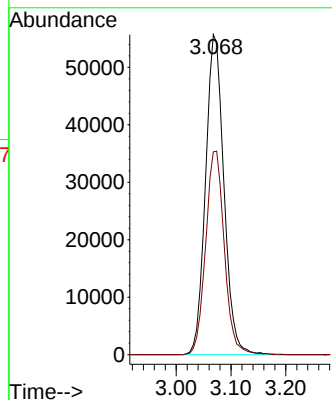
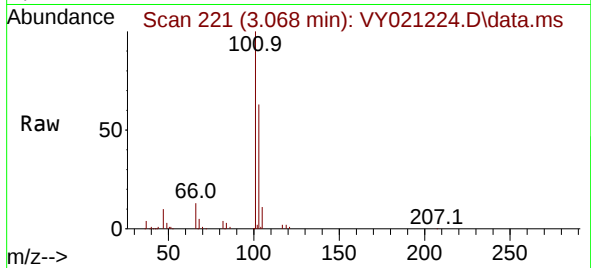




#7  
 Trichlorofluoromethane  
 Concen: 52.418 ug/l  
 RT: 3.068 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

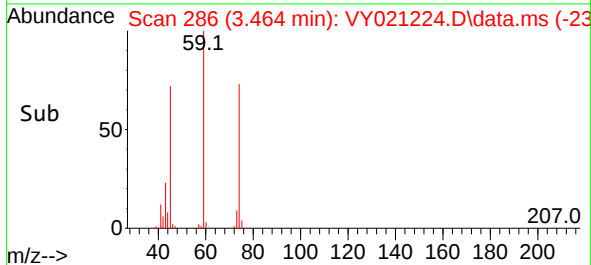
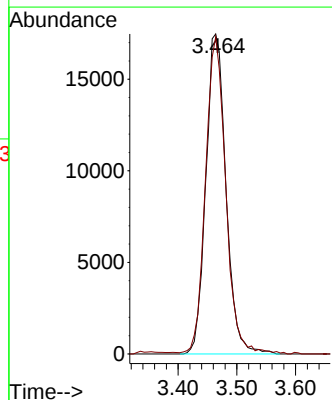
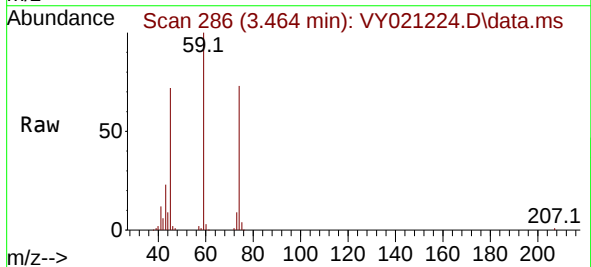
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

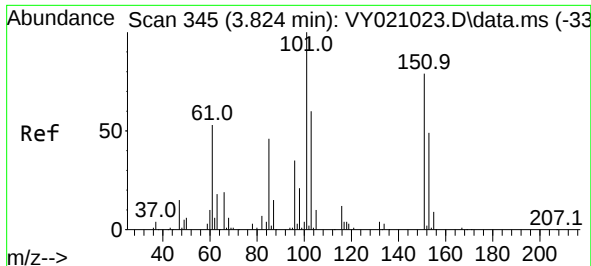
Tgt Ion:101 Resp: 129446  
 Ion Ratio Lower Upper  
 101 100  
 103 63.4 51.9 77.9



#8  
 Diethyl Ether  
 Concen: 54.029 ug/l  
 RT: 3.464 min Scan# 286  
 Delta R.T. -0.000 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

Tgt Ion: 74 Resp: 41652  
 Ion Ratio Lower Upper  
 74 100  
 45 99.7 47.9 143.7

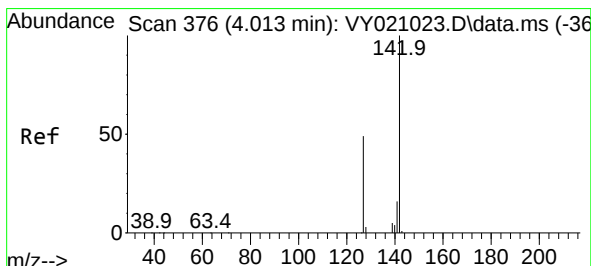
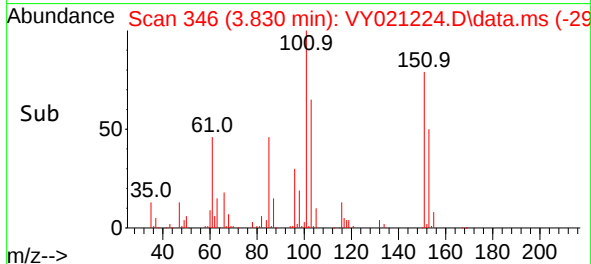
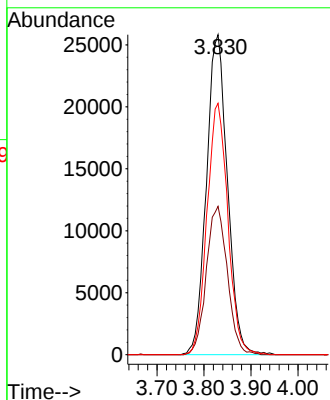
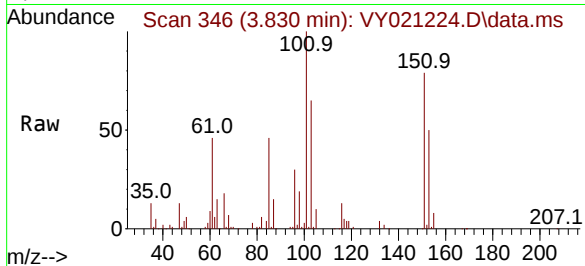




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.741 ug/l  
RT: 3.830 min Scan# 345  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

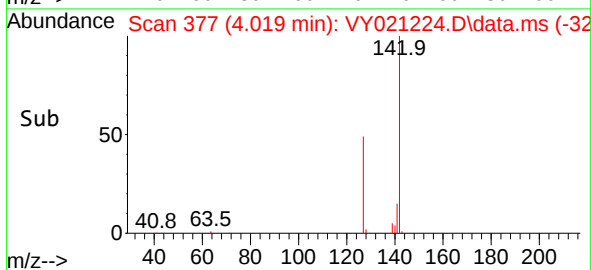
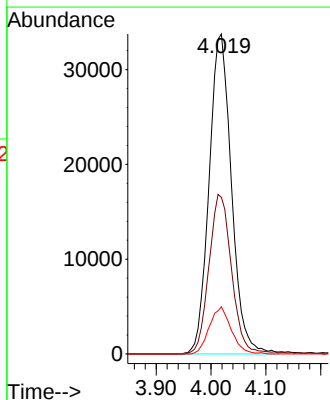
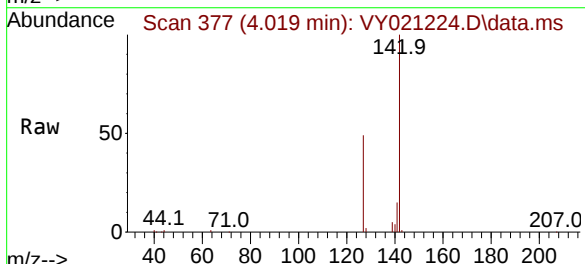
Instrument :  
MSVOA\_Y  
ClientSampleId :

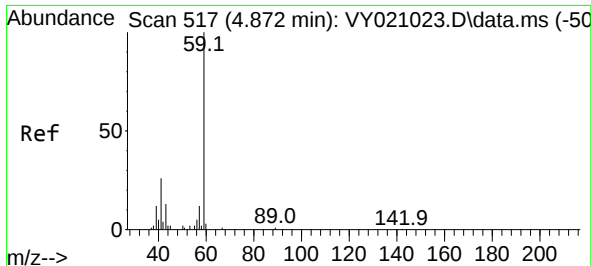
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 46.4  | 35.8  | 53.6  |
| 151     | 77.9  | 58.6  | 88.0  |



#10  
Methyl Iodide  
Concen: 55.590 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

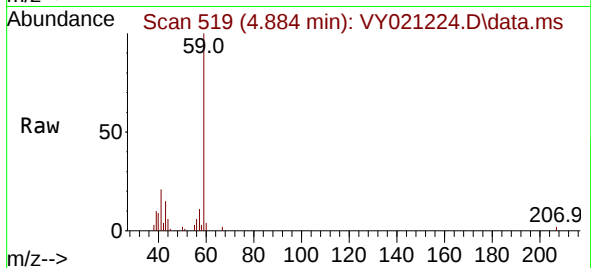
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 50.5  | 35.1  | 52.7  |
| 141     | 14.4  | 11.8  | 17.6  |



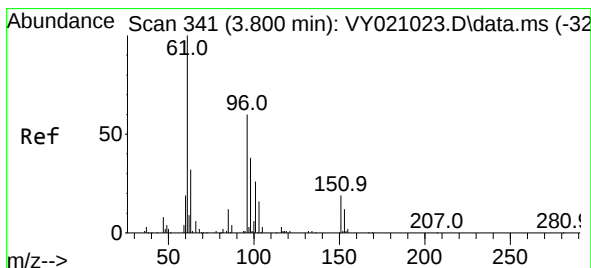
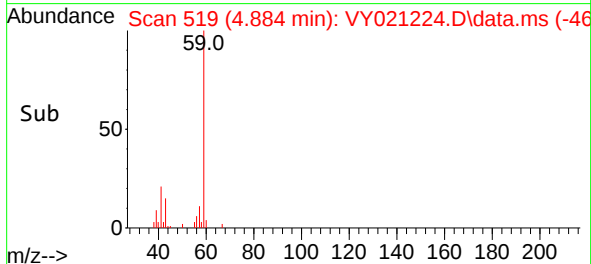
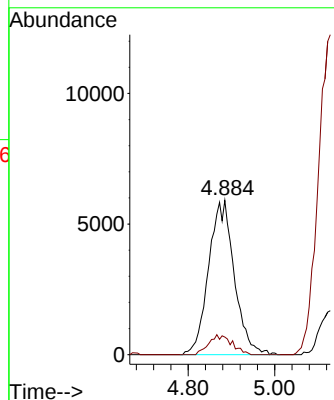


#11  
Tert butyl alcohol  
Concen: 229.356 ug/l  
RT: 4.884 min Scan# 517  
Delta R.T. 0.012 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

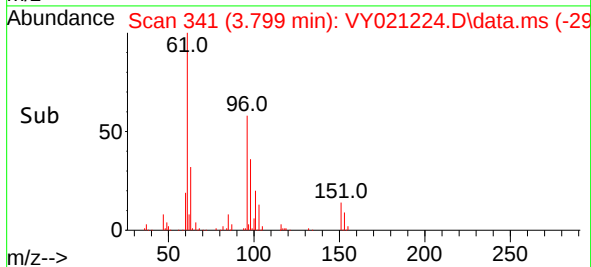
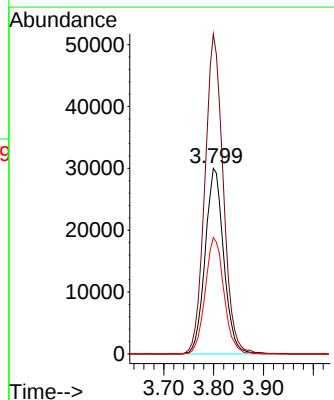
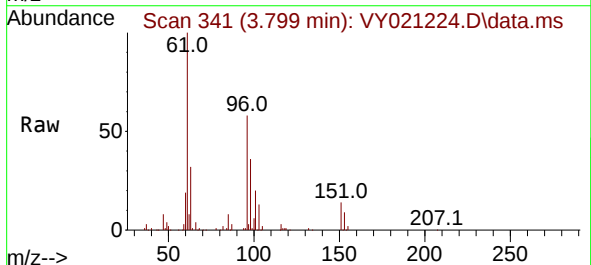


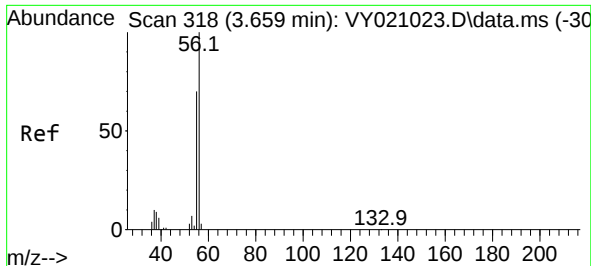
Tgt Ion: 59 Resp: 24384  
Ion Ratio Lower Upper  
59 100  
57 5.7 7.4 11.0#



#12  
1,1-Dichloroethene  
Concen: 53.279 ug/l  
RT: 3.799 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

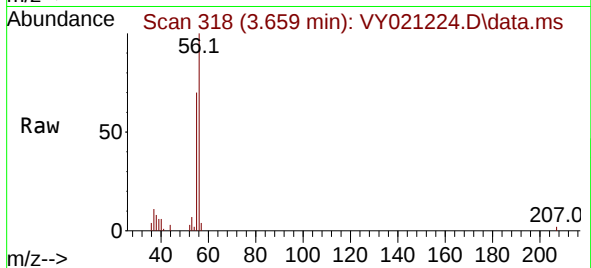
Tgt Ion: 96 Resp: 77787  
Ion Ratio Lower Upper  
96 100  
61 172.4 124.2 186.2  
98 62.6 52.6 79.0



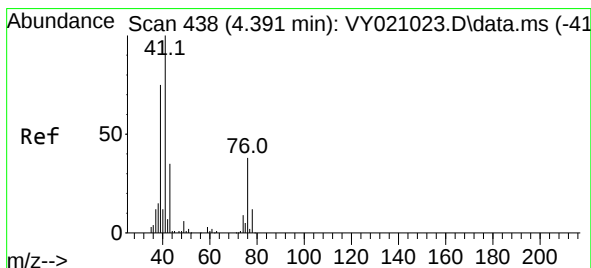
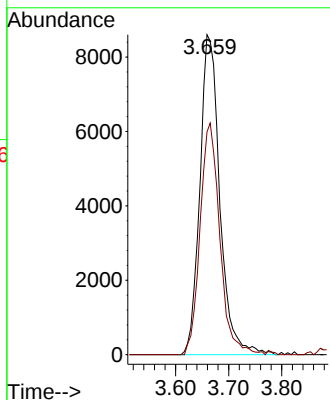
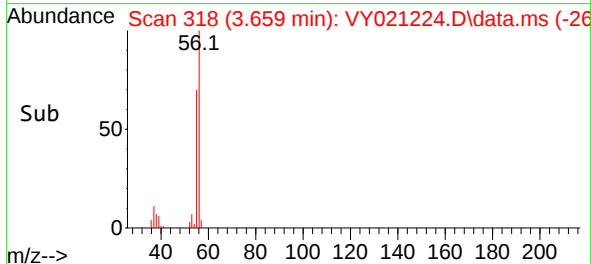


#13  
Acrolein  
Concen: 137.411 ug/l  
RT: 3.659 min Scan# 318  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

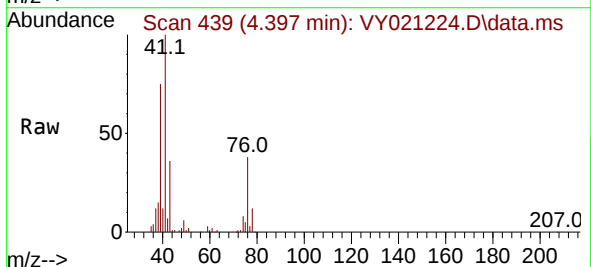
Instrument :  
MSVOA\_Y  
ClientSampleId :



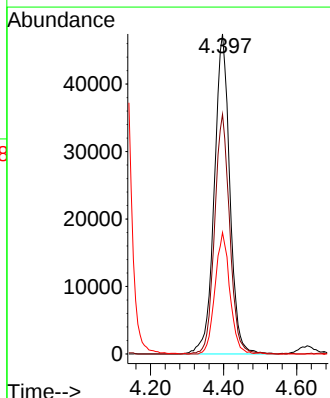
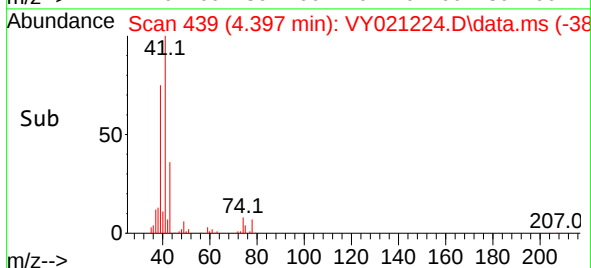
Tgt Ion: 56 Resp: 22496  
Ion Ratio Lower Upper  
56 100  
55 71.5 55.4 83.0



#14  
Allyl chloride  
Concen: 56.831 ug/l  
RT: 4.397 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34



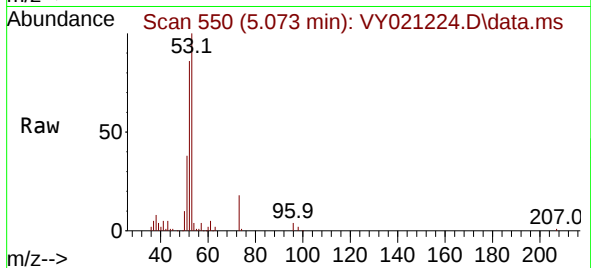
Tgt Ion: 41 Resp: 139840  
Ion Ratio Lower Upper  
41 100  
39 72.9 54.7 82.1  
76 36.2 31.8 47.6



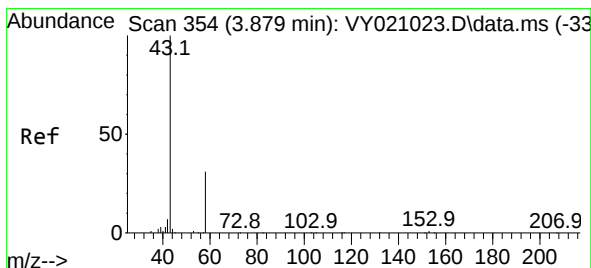
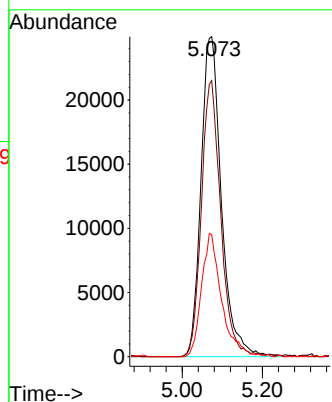
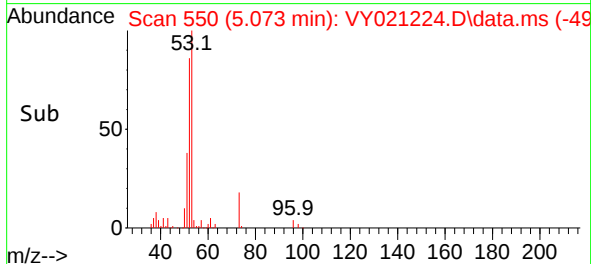


#15  
Acrylonitrile  
Concen: 274.480 ug/l  
RT: 5.073 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

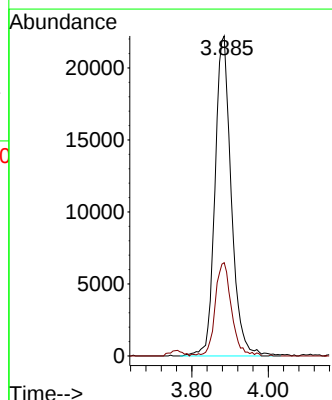
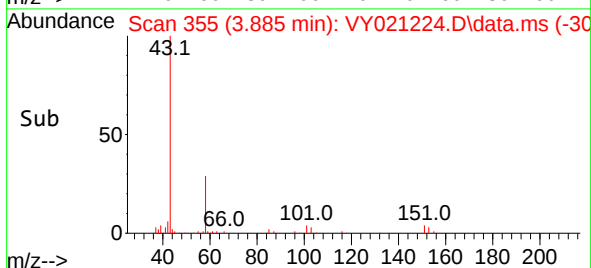
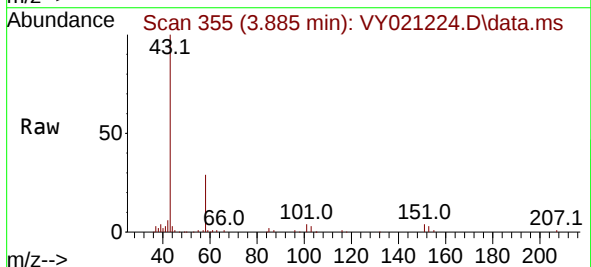


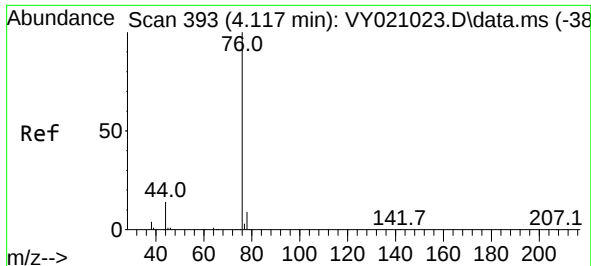
Tgt Ion: 53 Resp: 88115  
Ion Ratio Lower Upper  
53 100  
52 81.8 65.1 97.7  
51 37.8 29.0 43.4



#16  
Acetone  
Concen: 268.485 ug/l  
RT: 3.885 min Scan# 355  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 43 Resp: 65688  
Ion Ratio Lower Upper  
43 100  
58 29.2 26.6 39.8

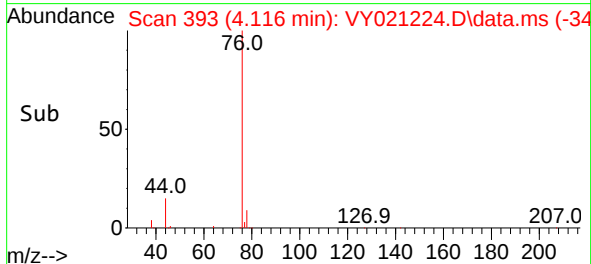
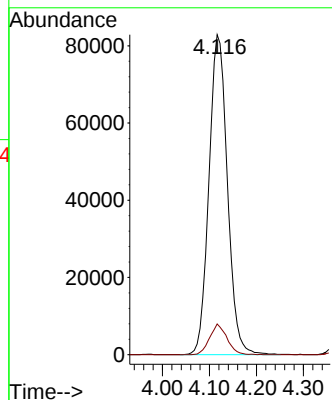
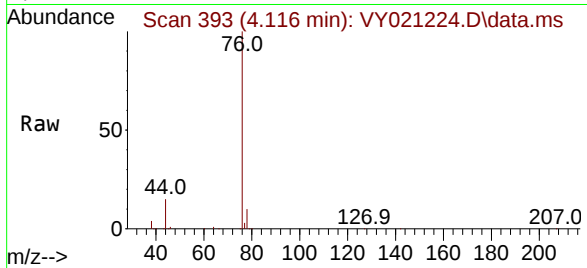




#17  
Carbon Disulfide  
Concen: 49.343 ug/l  
RT: 4.116 min Scan# 393  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

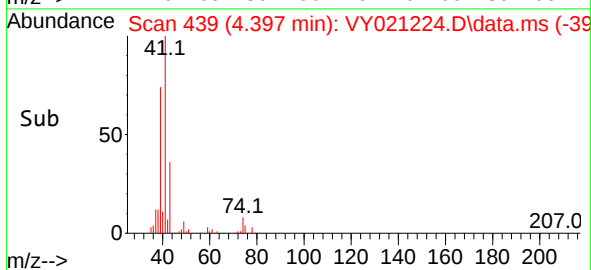
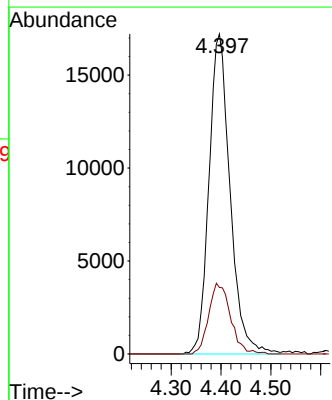
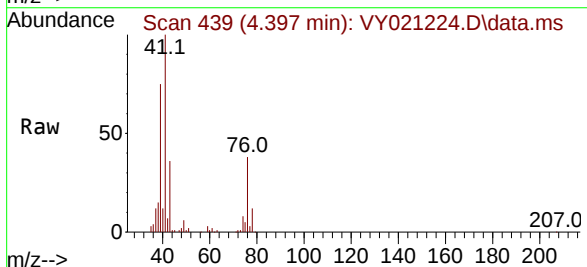
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 76 Resp: 225902  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 58.740 ug/l  
RT: 4.397 min Scan# 439  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 43 Resp: 50450  
Ion Ratio Lower Upper  
43 100  
74 22.9 19.8 29.6

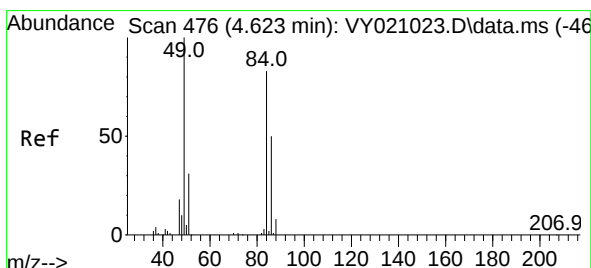
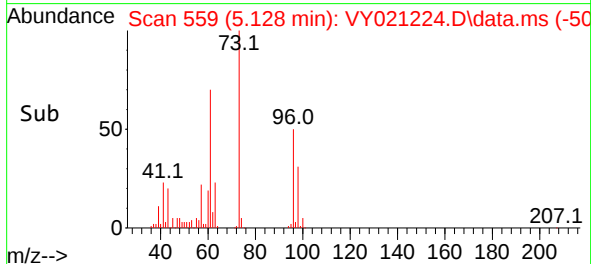
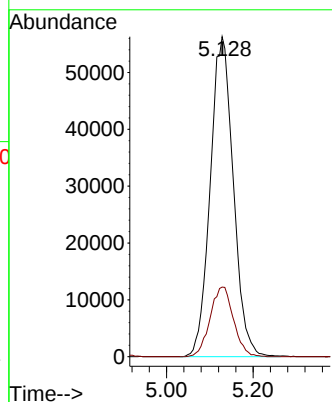
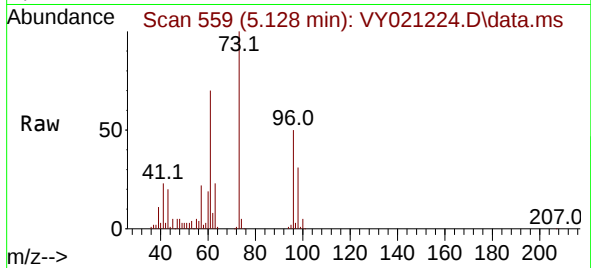




#19  
Methyl tert-butyl Ether  
Concen: 56.479 ug/l  
RT: 5.128 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

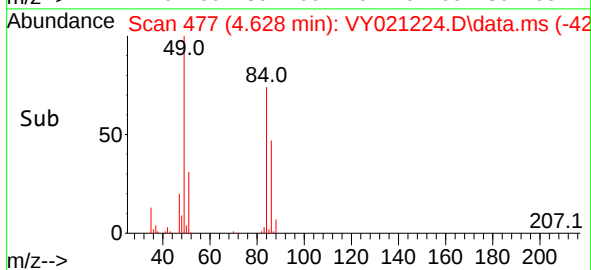
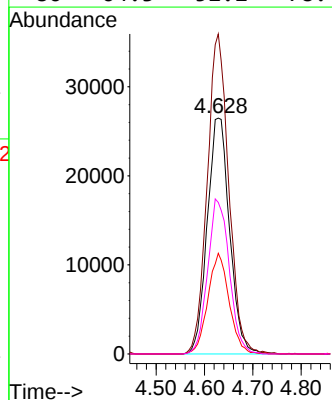
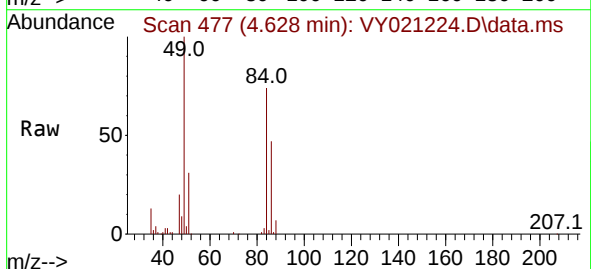
Instrument :  
MSVOA\_Y  
ClientSampleId :

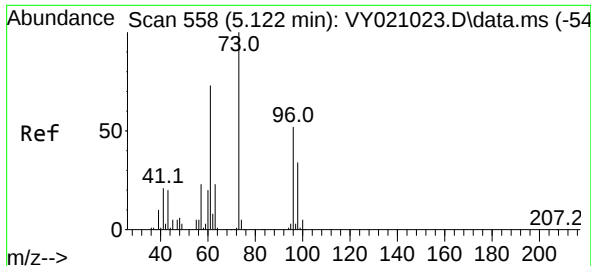
Tgt Ion: 73 Resp: 208419  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.7 26.5



#20  
Methylene Chloride  
Concen: 55.855 ug/l  
RT: 4.628 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 84 Resp: 84953  
Ion Ratio Lower Upper  
84 100  
49 135.7 95.2 142.8  
51 42.7 29.9 44.9  
86 64.3 52.2 78.4

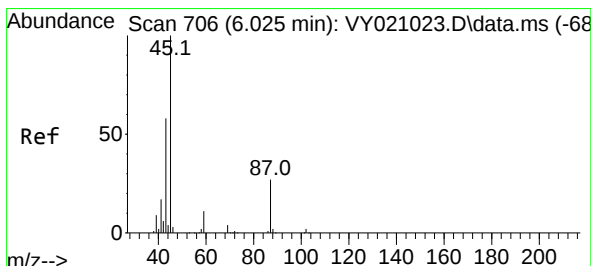
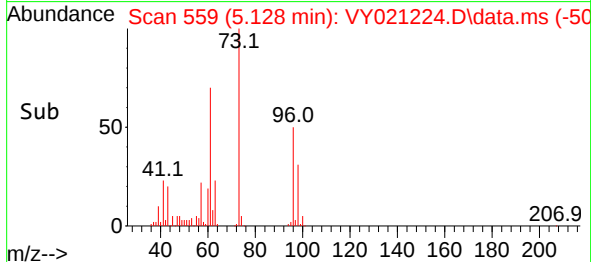
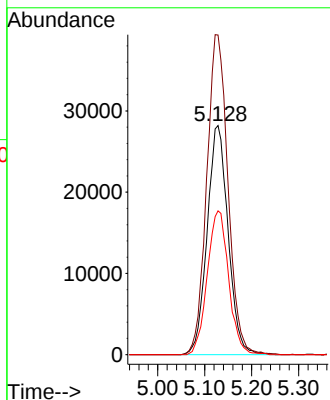
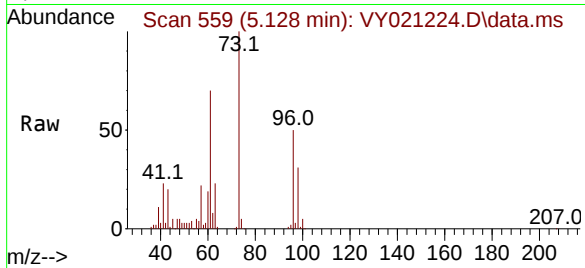




#21  
trans-1,2-Dichloroethene  
Concen: 54.337 ug/l  
RT: 5.128 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

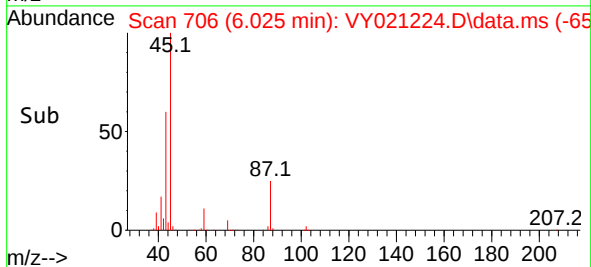
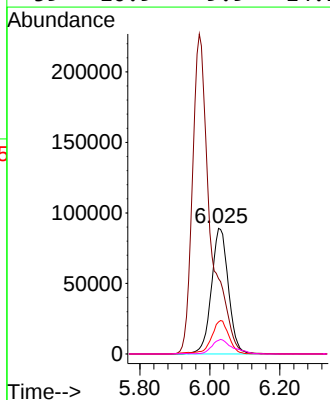
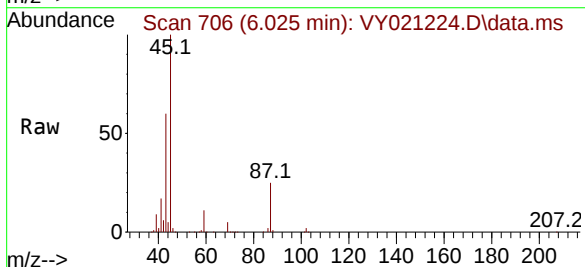
Instrument :  
MSVOA\_Y  
ClientSampleId :

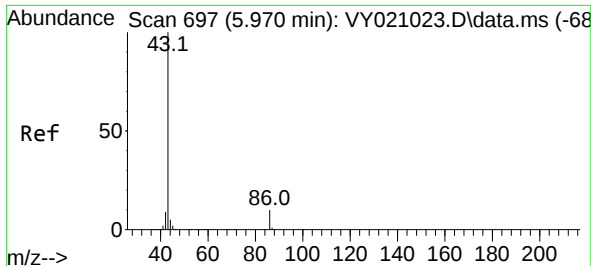
Tgt Ion: 96 Resp: 87324  
Ion Ratio Lower Upper  
96 100  
61 139.6 104.6 156.8  
98 62.8 50.9 76.3



#22  
Diisopropyl ether  
Concen: 59.225 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 45 Resp: 300376  
Ion Ratio Lower Upper  
45 100  
43 59.7 46.8 70.2  
87 25.5 22.2 33.2  
59 10.9 9.9 14.9

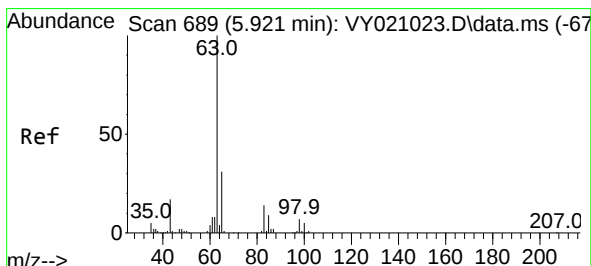
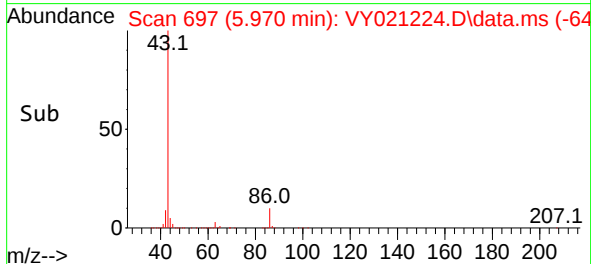
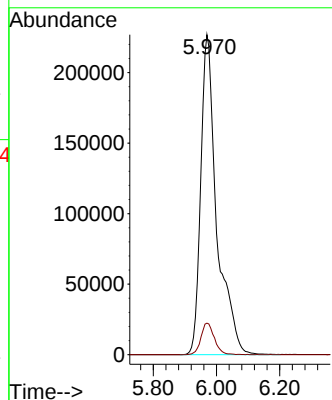
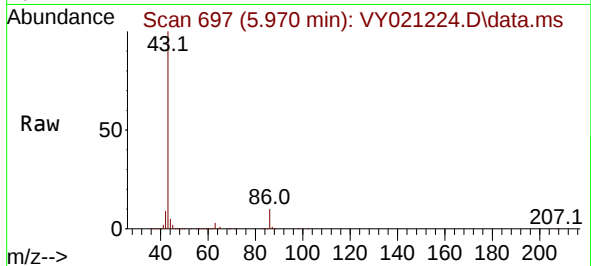




#23  
 Vinyl Acetate  
 Concen: 283.748 ug/l  
 RT: 5.970 min Scan# 697  
 Delta R.T. -0.000 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

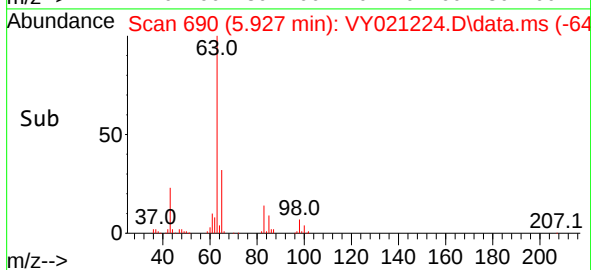
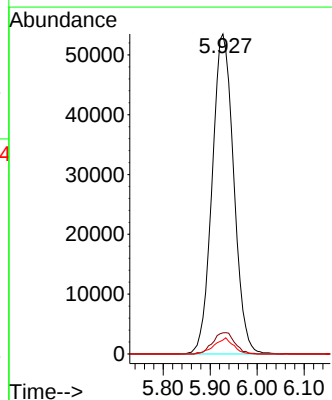
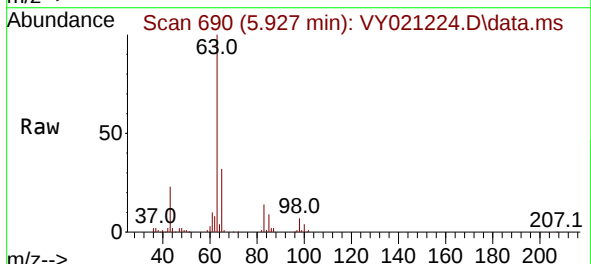
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

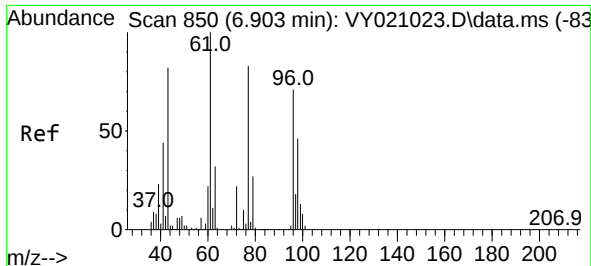
Tgt Ion: 43 Resp: 802254  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 57.408 ug/l  
 RT: 5.927 min Scan# 690  
 Delta R.T. 0.006 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

Tgt Ion: 63 Resp: 170590  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.8 11.4  
 100 4.3 2.1 6.2





#25

2-Butanone

Concen: 271.196 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

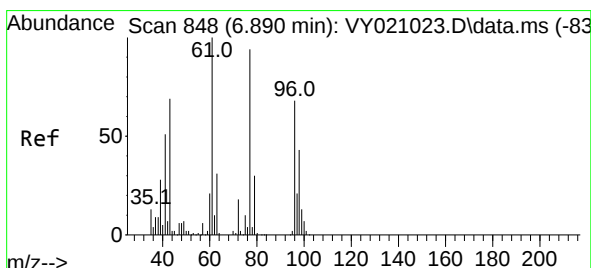
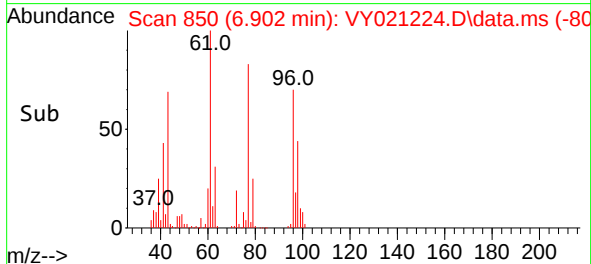
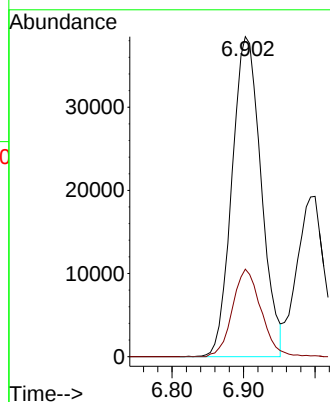
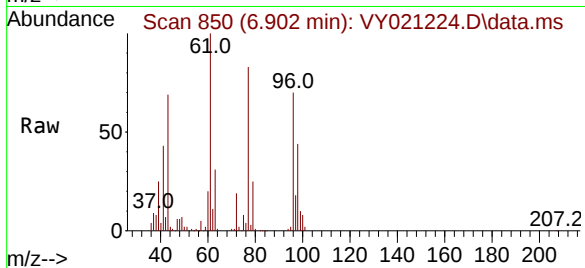
ClientSampleId :

Tgt Ion: 43 Resp: 109033

Ion Ratio Lower Upper

43 100

72 27.3 21.4 32.2



#26

2,2-Dichloropropane

Concen: 54.226 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021224.D

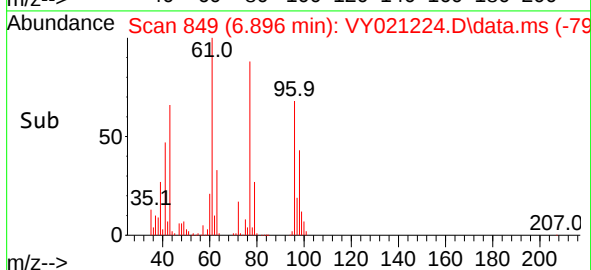
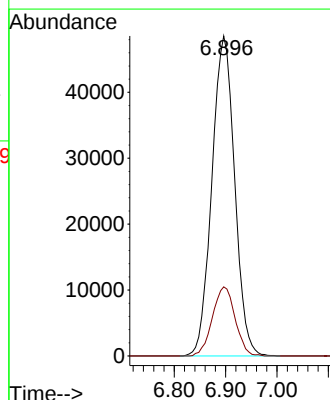
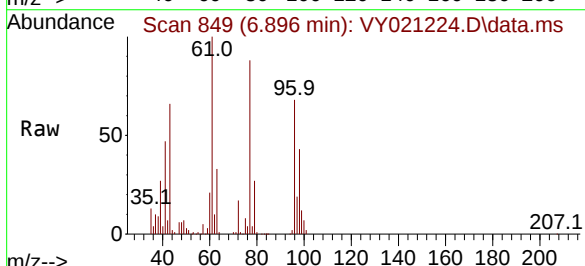
Acq: 17 Feb 2025 16:34

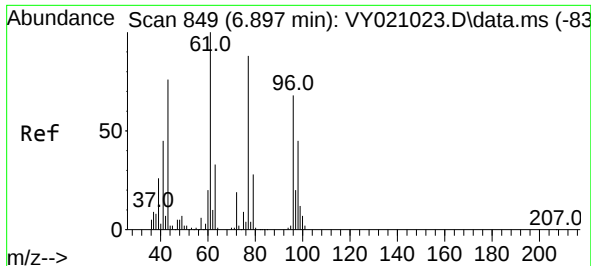
Tgt Ion: 77 Resp: 149095

Ion Ratio Lower Upper

77 100

97 21.5 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 56.933 ug/l

RT: 6.902 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

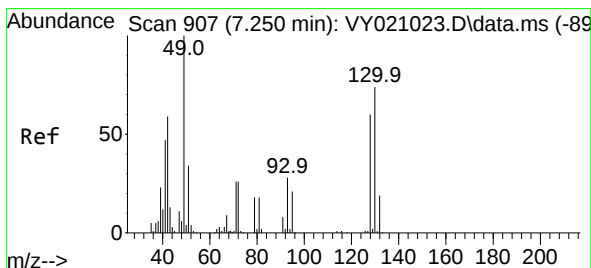
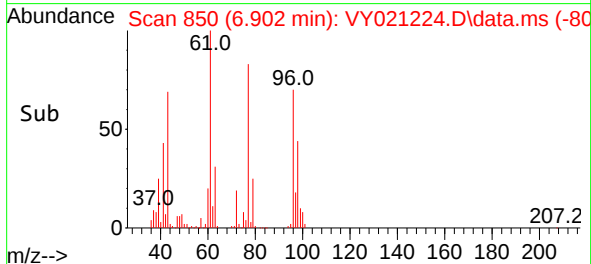
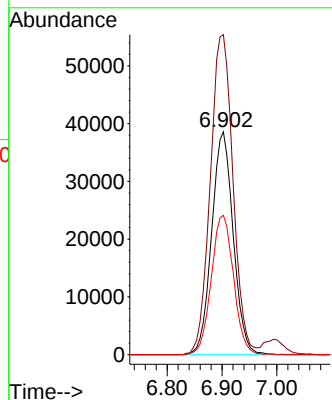
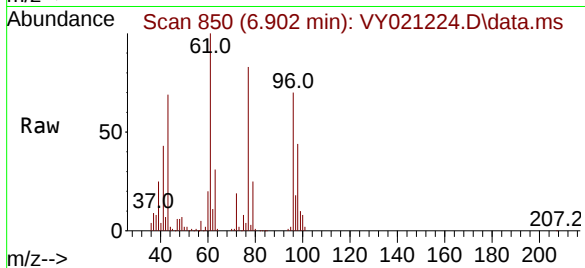
Tgt Ion: 96 Resp: 105315

Ion Ratio Lower Upper

96 100

61 151.1 0.0 278.8

98 64.6 0.0 127.0



#28

Bromochloromethane

Concen: 56.180 ug/l

RT: 7.256 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

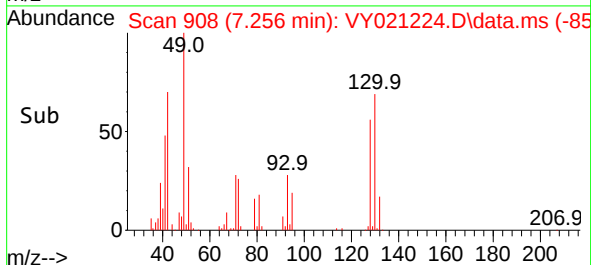
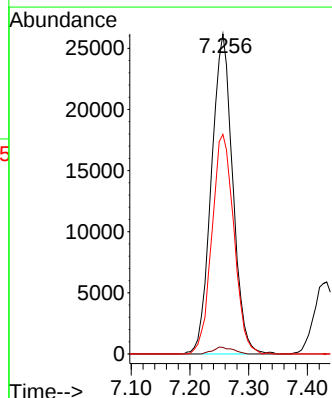
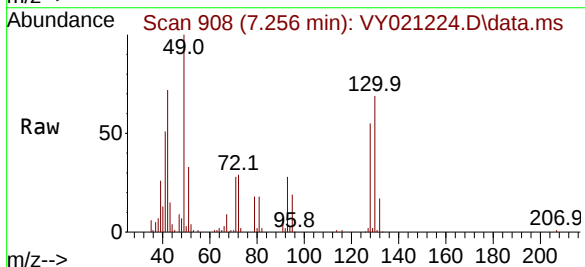
Tgt Ion: 49 Resp: 66013

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

130 70.9 59.8 89.8





#29

Tetrahydrofuran

Concen: 269.918 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

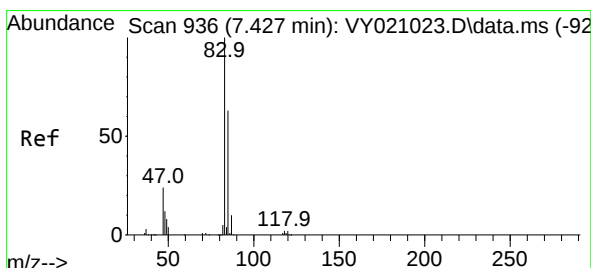
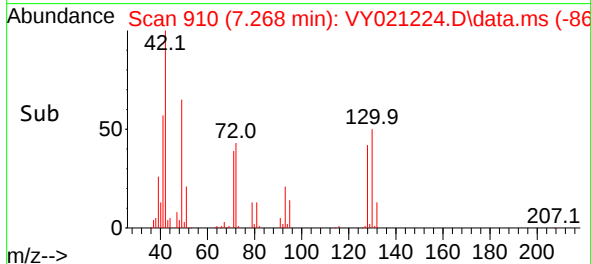
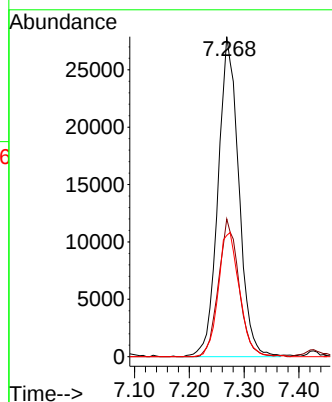
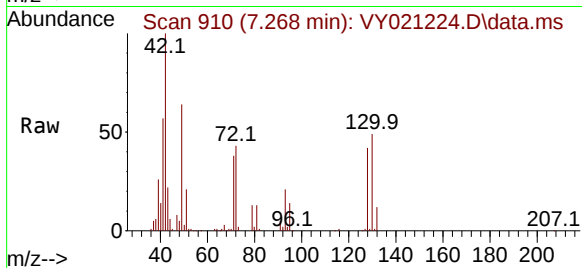
Tgt Ion: 42 Resp: 73431

Ion Ratio Lower Upper

42 100

72 42.3 36.6 54.8

71 39.9 33.8 50.6



#30

Chloroform

Concen: 57.734 ug/l

RT: 7.433 min Scan# 937

Delta R.T. 0.006 min

Lab File: VY021224.D

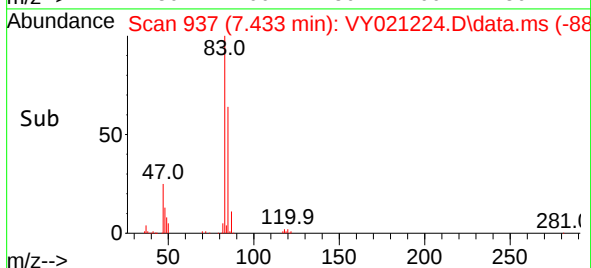
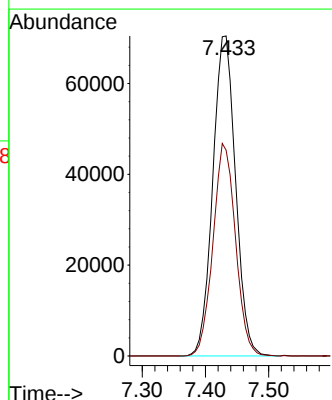
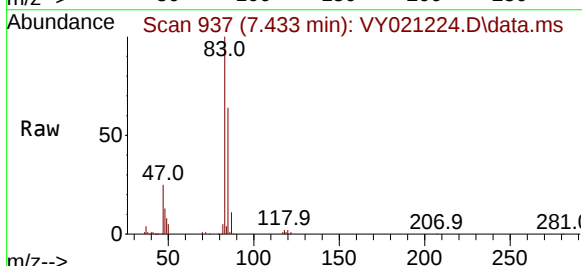
Acq: 17 Feb 2025 16:34

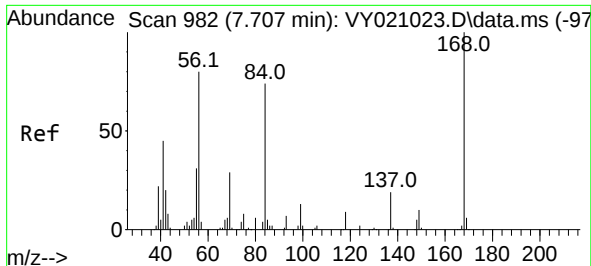
Tgt Ion: 83 Resp: 176217

Ion Ratio Lower Upper

83 100

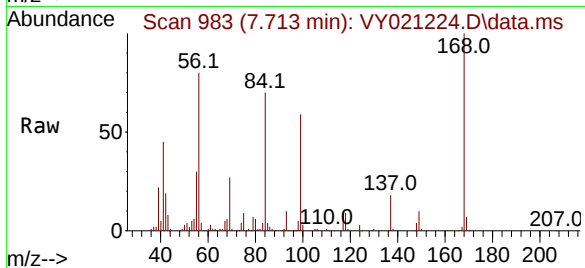
85 64.3 51.2 76.8



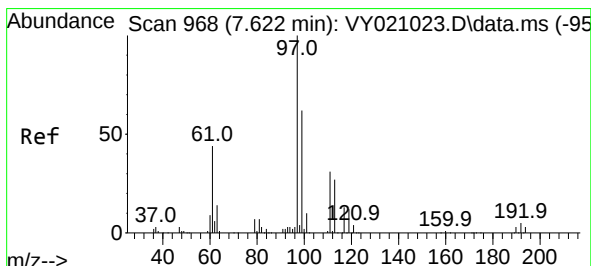
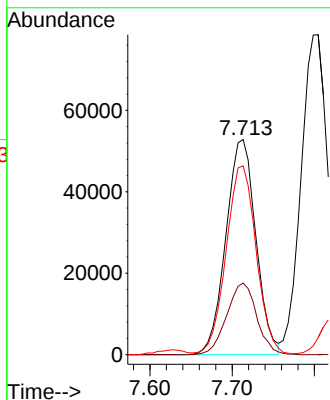
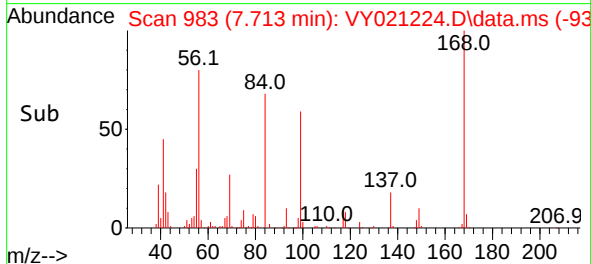


#31  
Cyclohexane  
Concen: 50.114 ug/l  
RT: 7.713 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

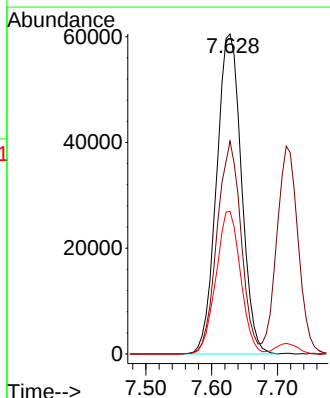
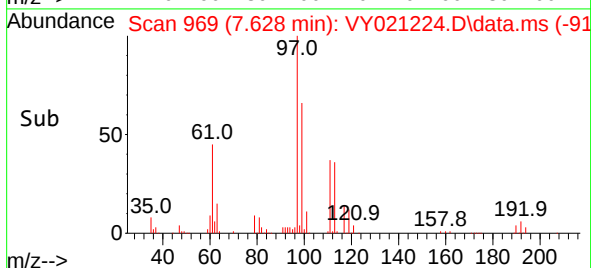
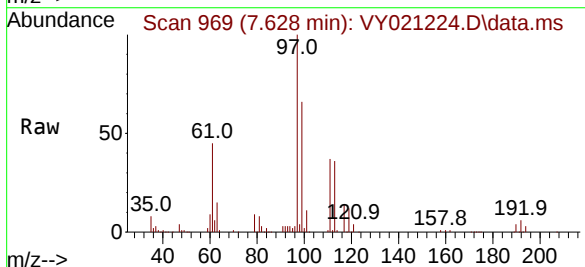


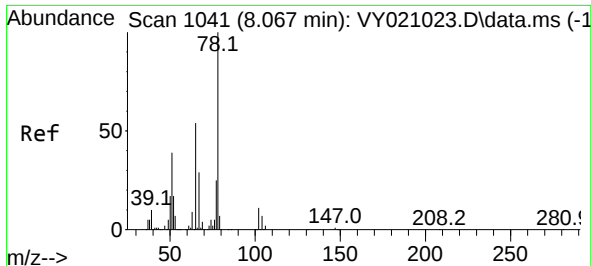
Tgt Ion: 56 Resp: 134100  
Ion Ratio Lower Upper  
56 100  
69 33.3 27.0 40.6  
84 85.8 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 56.031 ug/l  
RT: 7.628 min Scan# 969  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 97 Resp: 159001  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.2 76.8  
61 44.3 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 53.294 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

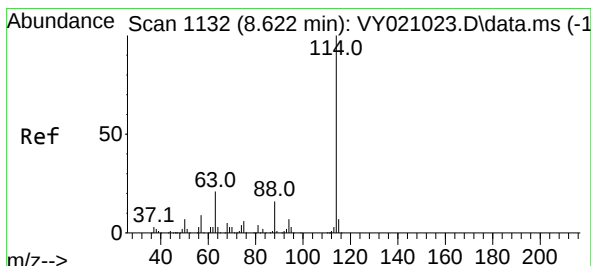
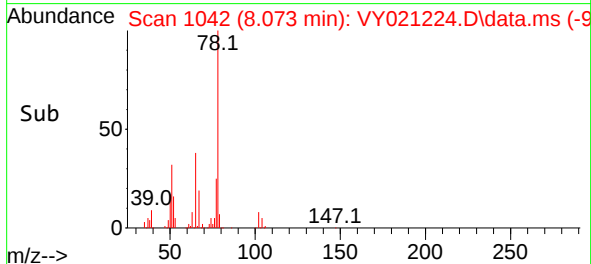
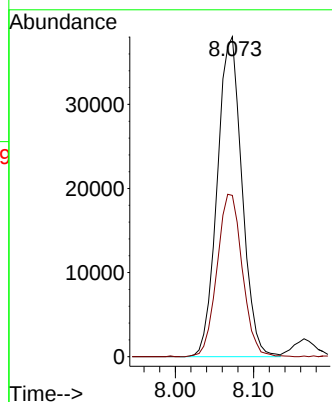
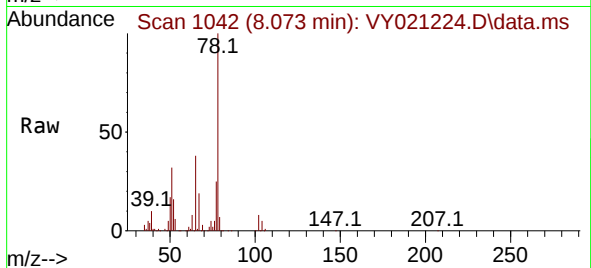
ClientSampleId :

Tgt Ion: 65 Resp: 83611

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

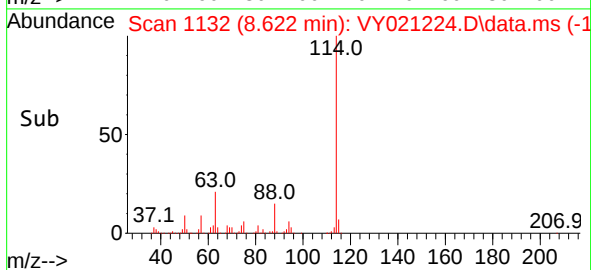
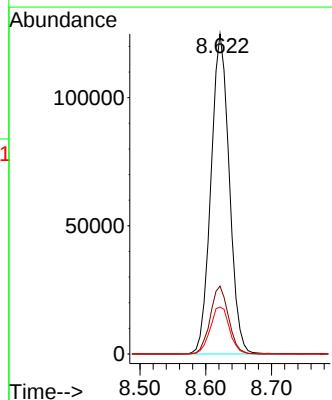
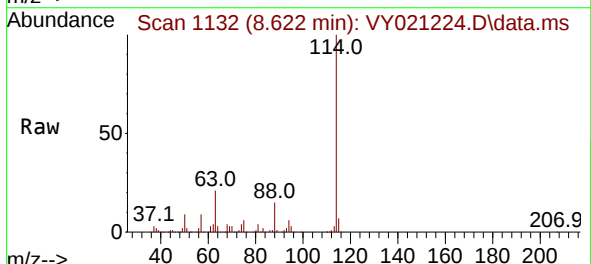
Tgt Ion: 114 Resp: 241946

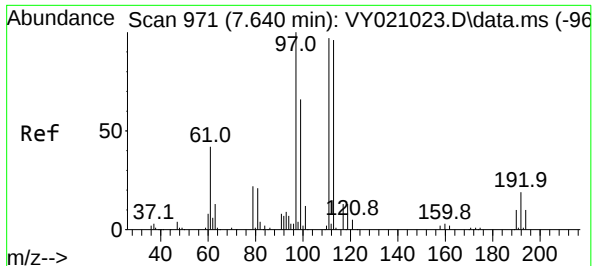
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

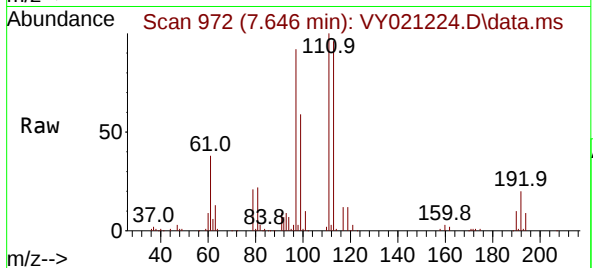
88 14.7 0.0 29.0



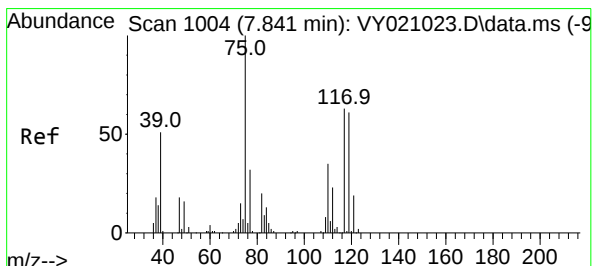
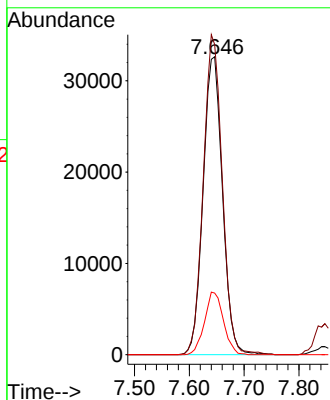
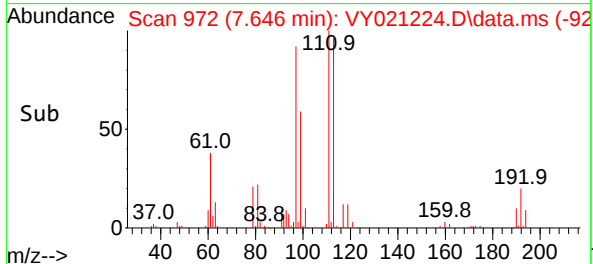


#35  
Dibromofluoromethane  
Concen: 51.608 ug/l  
RT: 7.646 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

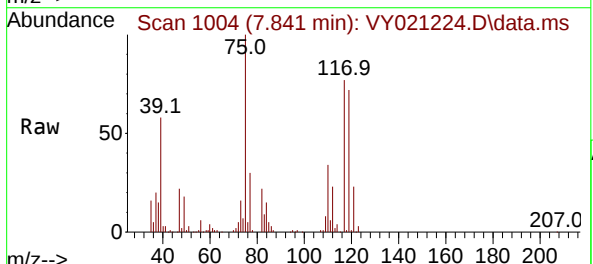
Instrument :  
MSVOA\_Y  
ClientSampleId :



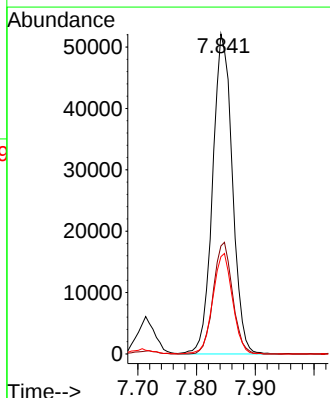
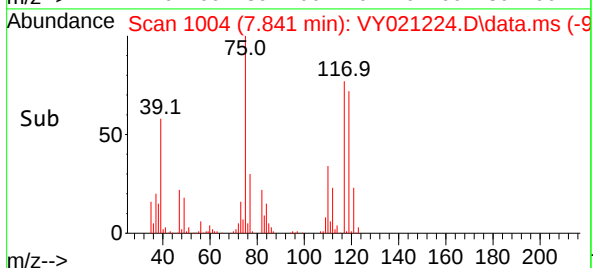
Tgt Ion:113 Resp: 80021  
Ion Ratio Lower Upper  
113 100  
111 105.0 83.8 125.6  
192 20.5 14.5 21.7

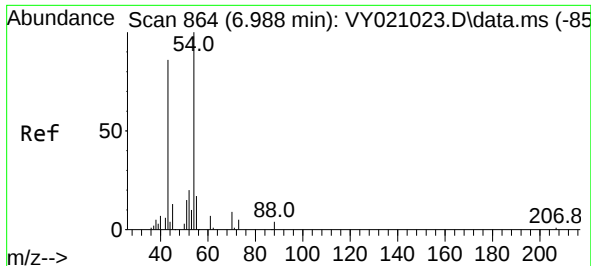


#36  
1,1-Dichloropropene  
Concen: 53.020 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34



Tgt Ion: 75 Resp: 121769  
Ion Ratio Lower Upper  
75 100  
110 34.0 17.4 52.3  
77 31.3 24.7 37.1





#37

Ethyl Acetate

Concen: 53.452 ug/l

RT: 7.000 min Scan# 8

Delta R.T. 0.012 min

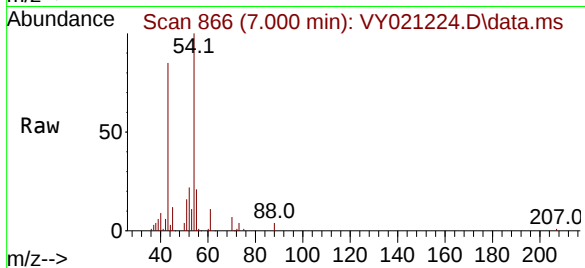
Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :



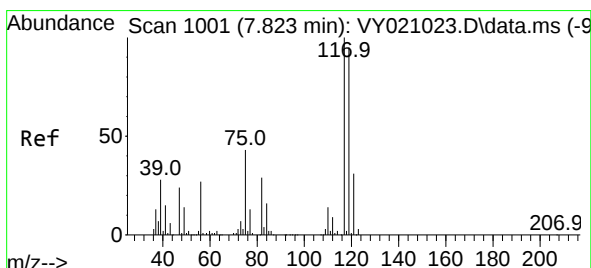
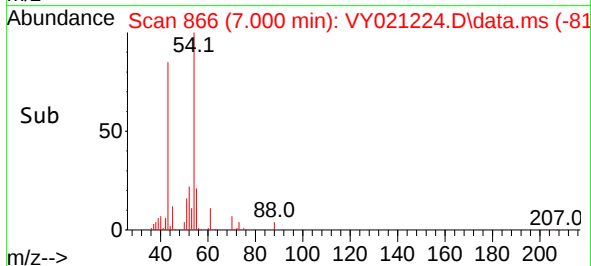
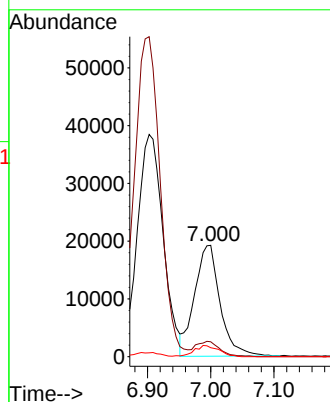
Tgt Ion: 43 Resp: 53854

Ion Ratio Lower Upper

43 100

61 13.4 11.0 16.6

70 9.8 8.1 12.1



#38

Carbon Tetrachloride

Concen: 53.467 ug/l

RT: 7.829 min Scan# 1002

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

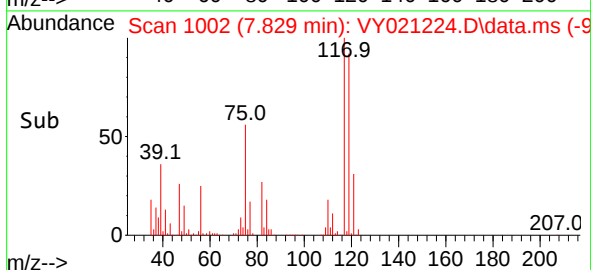
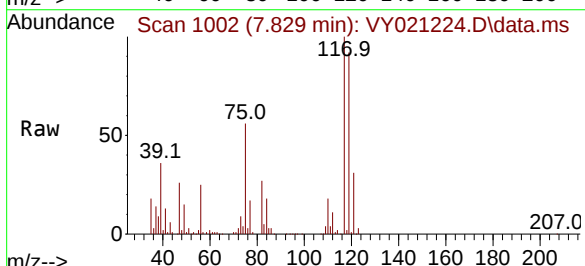
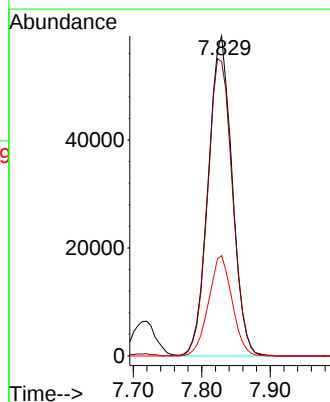
Tgt Ion: 117 Resp: 143481

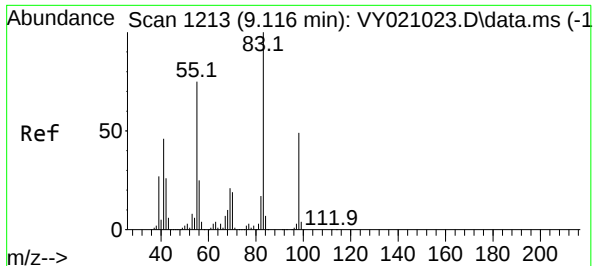
Ion Ratio Lower Upper

117 100

119 92.0 76.0 114.0

121 31.3 24.2 36.2





#39

Methylcyclohexane

Concen: 51.984 ug/l

RT: 9.115 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

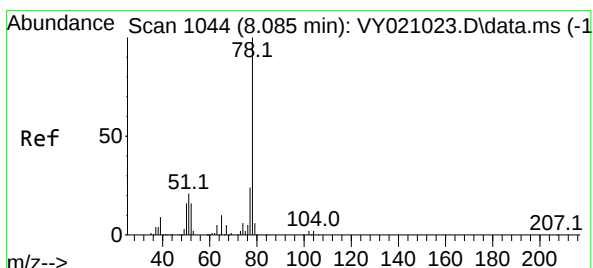
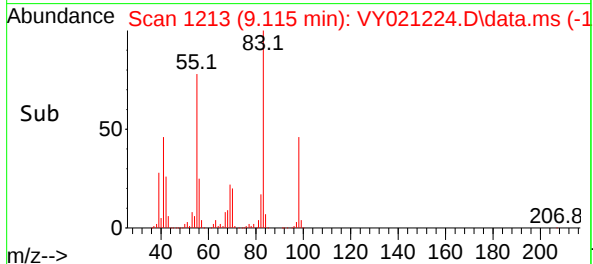
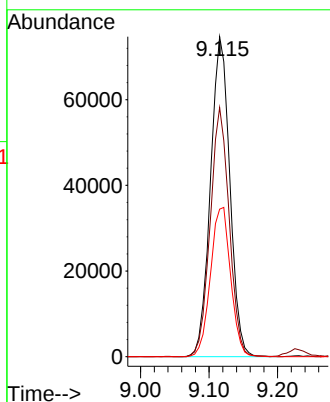
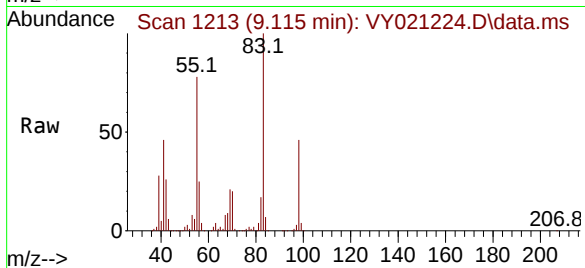
Tgt Ion: 83 Resp: 146034

Ion Ratio Lower Upper

83 100

55 77.8 59.7 89.5

98 46.1 38.0 57.0



#40

Benzene

Concen: 55.654 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY021224.D

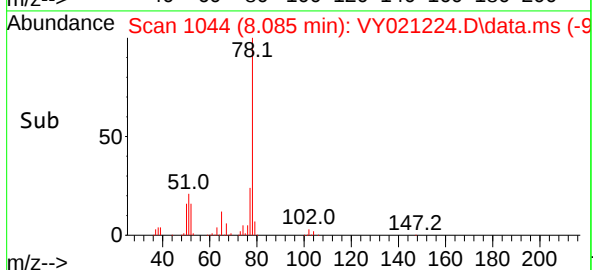
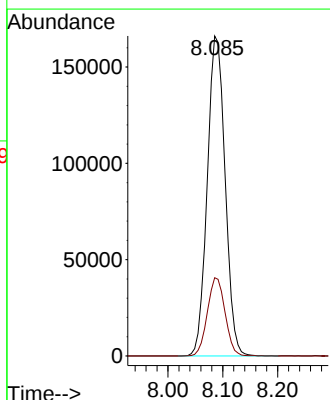
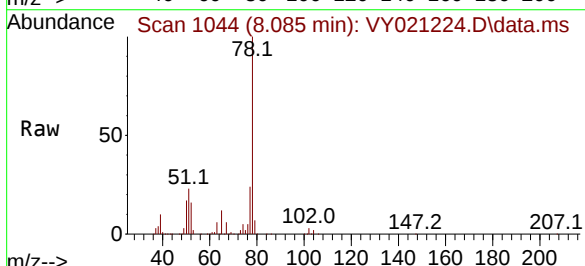
Acq: 17 Feb 2025 16:34

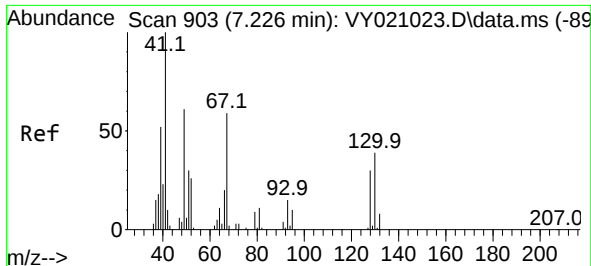
Tgt Ion: 78 Resp: 375095

Ion Ratio Lower Upper

78 100

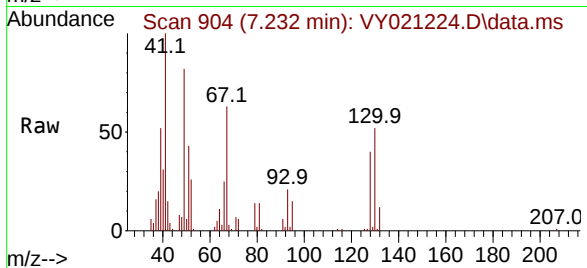
77 24.5 18.8 28.2



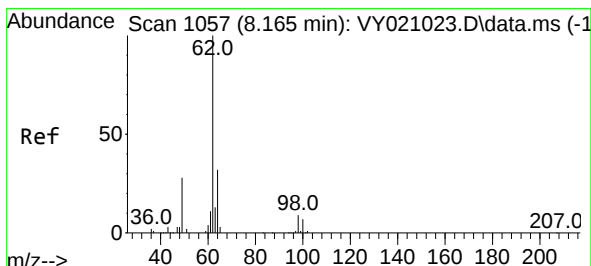
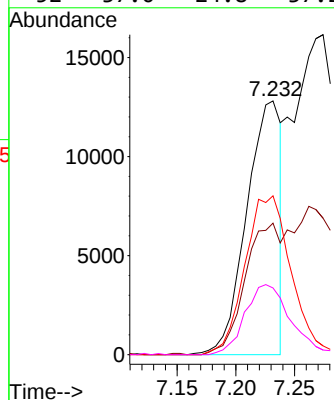
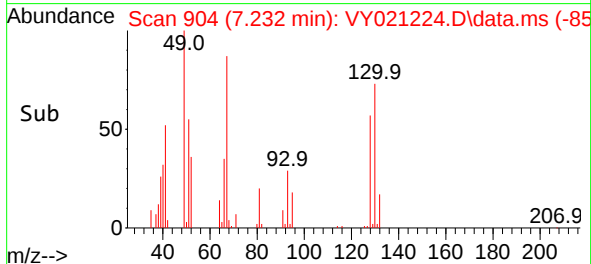


#41  
Methacrylonitrile  
Concen: 44.747 ug/l  
RT: 7.232 min Scan# 903  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

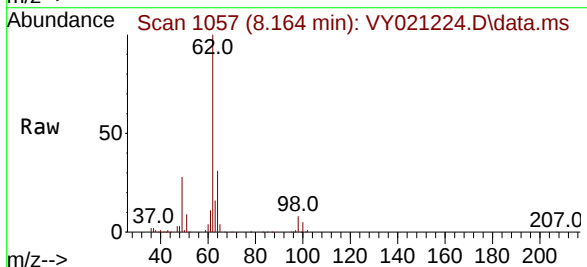
Instrument :  
MSVOA\_Y  
ClientSampleId :



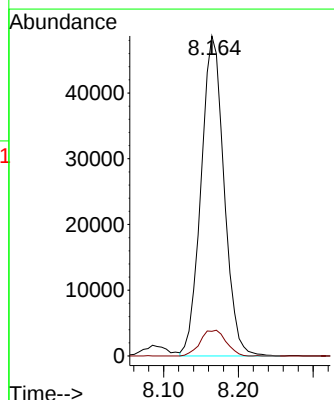
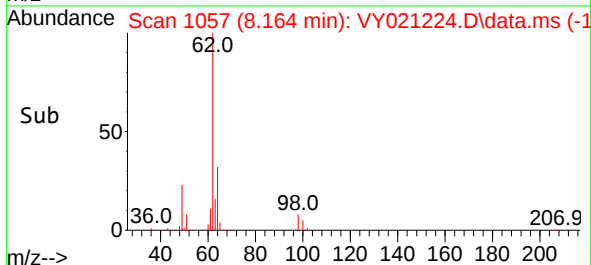
Tgt Ion: 41 Resp: 26082  
Ion Ratio Lower Upper  
41 100  
39 53.3 41.9 62.9  
67 84.5 59.8 89.6  
52 37.0 24.8 37.2

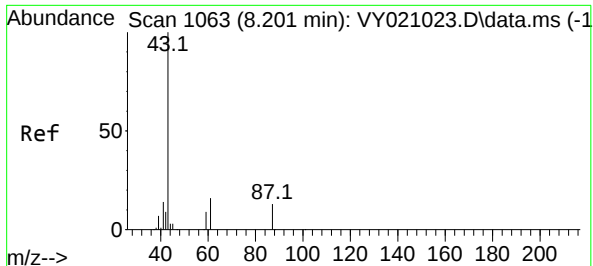


#42  
1,2-Dichloroethane  
Concen: 55.699 ug/l  
RT: 8.164 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34



Tgt Ion: 62 Resp: 104136  
Ion Ratio Lower Upper  
62 100  
98 9.0 0.0 20.2





#43

Isopropyl Acetate

Concen: 54.498 ug/l

RT: 8.201 min Scan# 11063

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

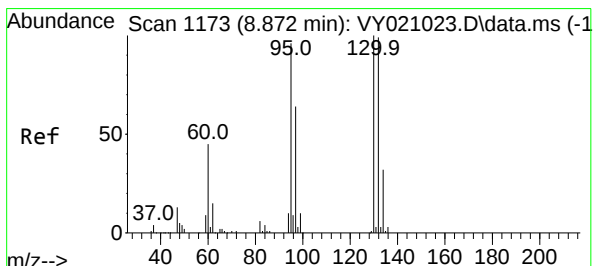
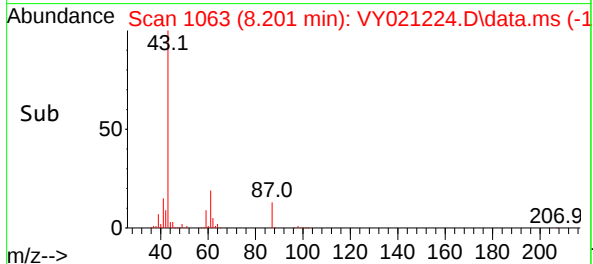
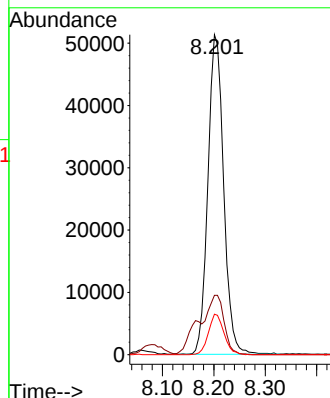
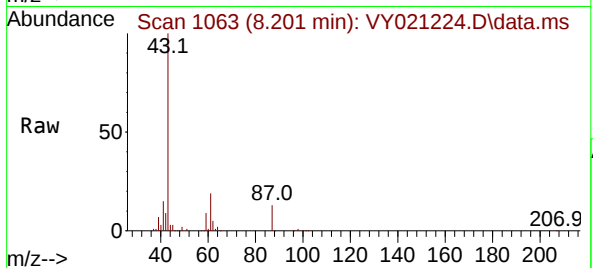
Tgt Ion: 43 Resp: 109103

Ion Ratio Lower Upper

43 100

61 29.4 24.8 37.2

87 12.5 10.7 16.1



#44

Trichloroethene

Concen: 53.366 ug/l

RT: 8.872 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VY021224.D

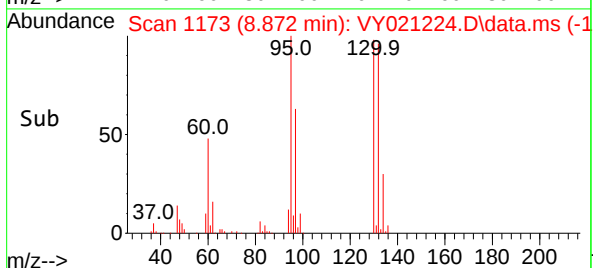
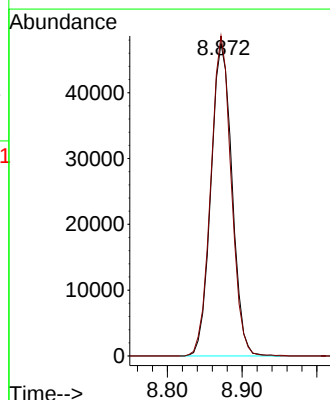
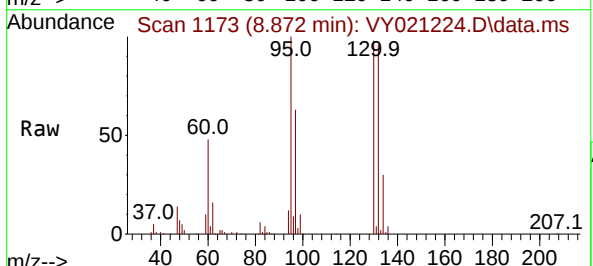
Acq: 17 Feb 2025 16:34

Tgt Ion:130 Resp: 92926

Ion Ratio Lower Upper

130 100

95 102.4 0.0 203.8





#45

1,2-Dichloropropane

Concen: 56.906 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

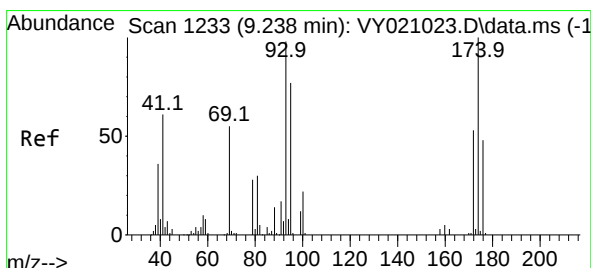
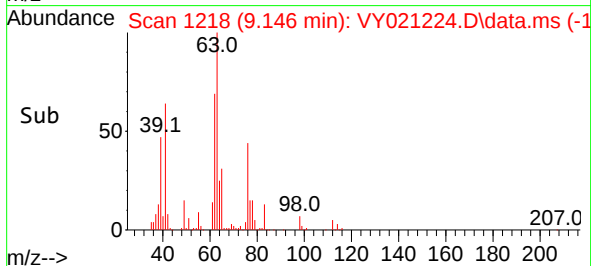
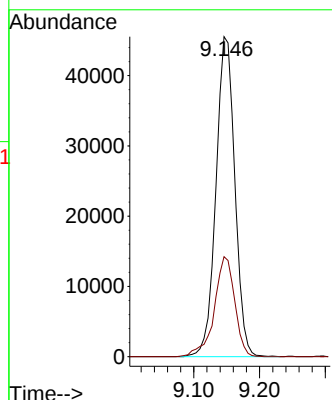
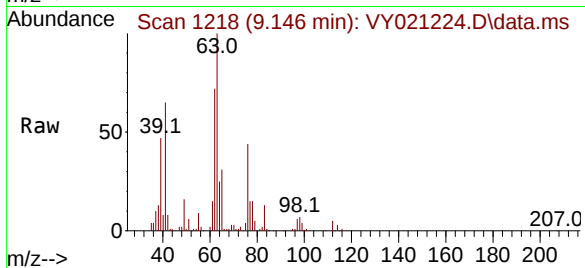
ClientSampleId :

Tgt Ion: 63 Resp: 91033

Ion Ratio Lower Upper

63 100

65 31.3 24.6 36.8



#46

Dibromomethane

Concen: 54.326 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

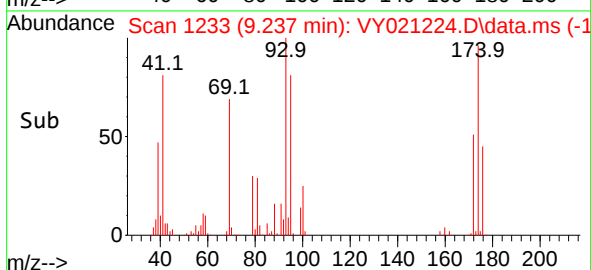
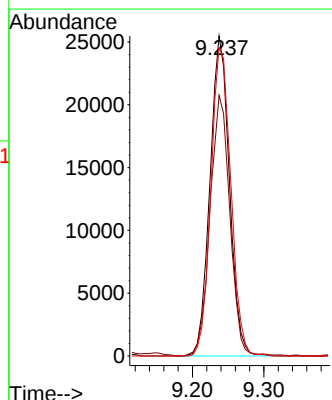
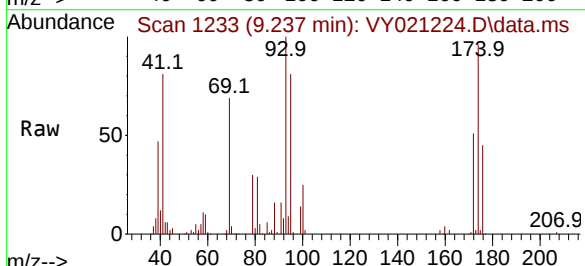
Tgt Ion: 93 Resp: 48118

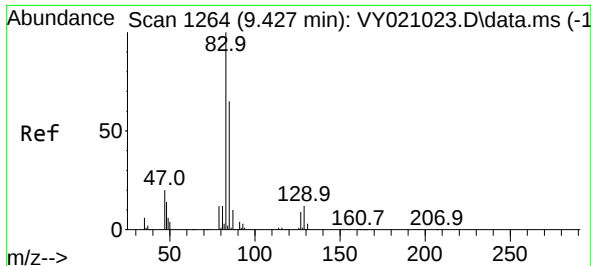
Ion Ratio Lower Upper

93 100

95 82.9 66.6 99.8

174 98.5 73.8 110.6





#47

Bromodichloromethane

Concen: 56.944 ug/l

RT: 9.432 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

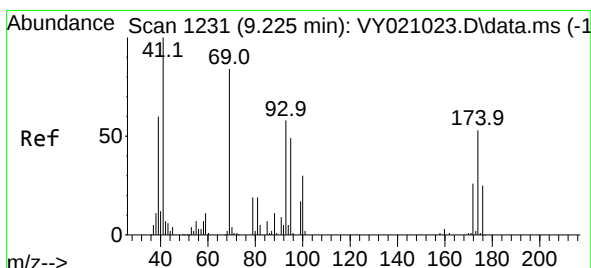
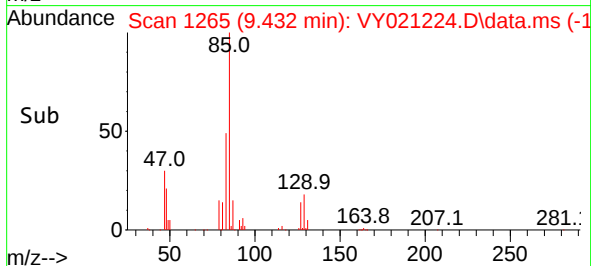
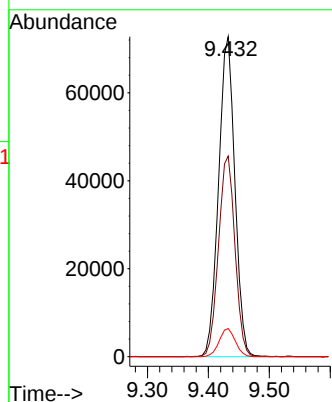
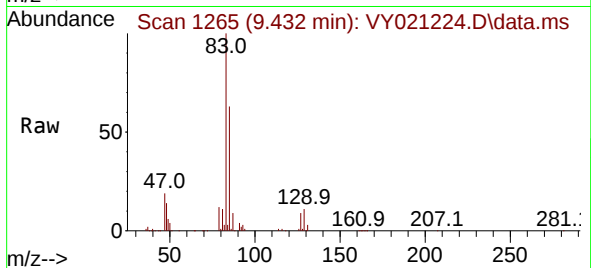
Tgt Ion: 83 Resp: 135266

Ion Ratio Lower Upper

83 100

85 62.7 53.2 79.8

127 8.8 6.4 9.6



#48

Methyl methacrylate

Concen: 55.291 ug/l

RT: 9.225 min Scan# 1231

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

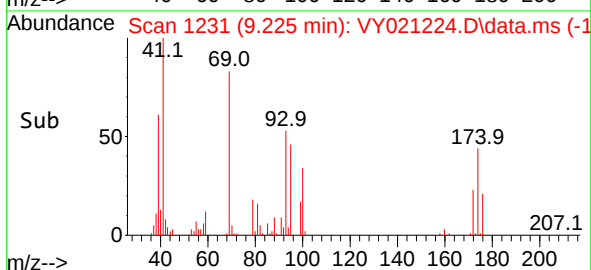
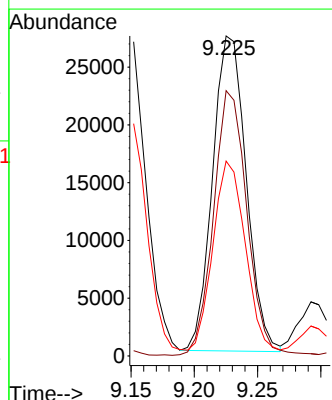
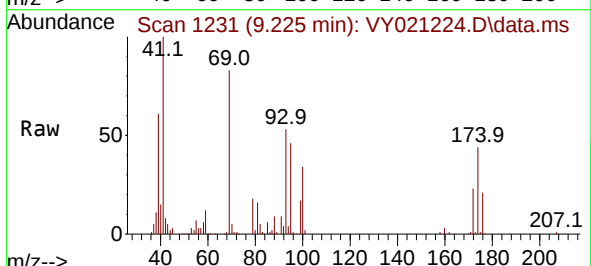
Tgt Ion: 41 Resp: 50420

Ion Ratio Lower Upper

41 100

69 83.4 72.1 108.1

39 57.7 42.8 64.2





#49

1,4-Dioxane

Concen: 1109.106 ug/l

RT: 9.237 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

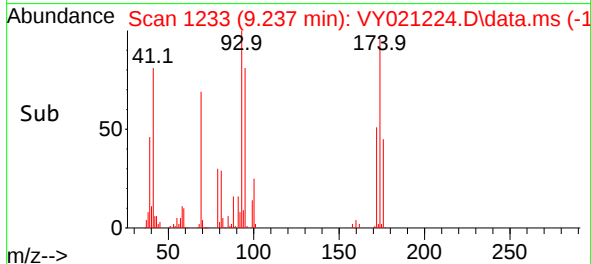
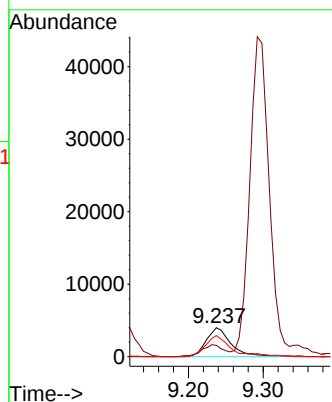
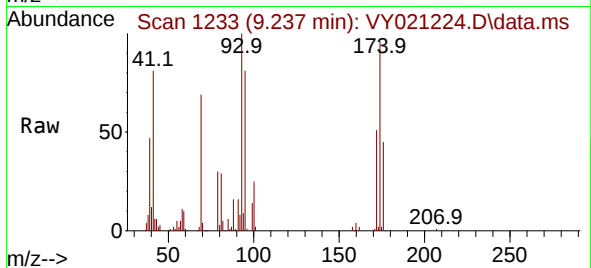
Tgt Ion: 88 Resp: 9145

Ion Ratio Lower Upper

88 100

43 37.1 28.2 42.4

58 75.8 52.2 78.2



#50

Toluene-d8

Concen: 51.483 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY021224.D

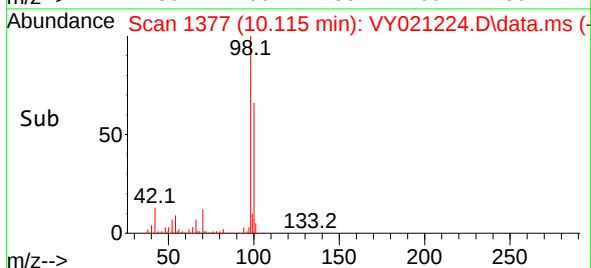
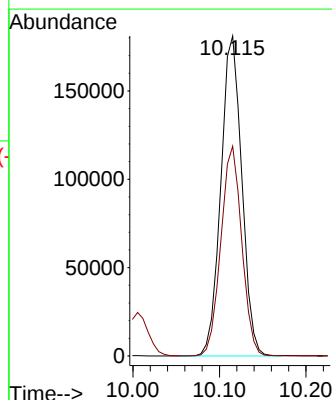
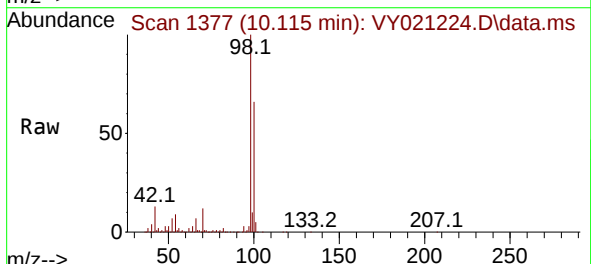
Acq: 17 Feb 2025 16:34

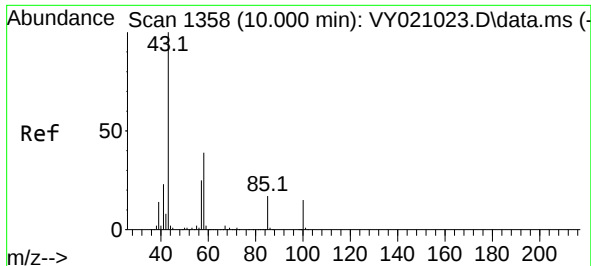
Tgt Ion: 98 Resp: 303904

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5

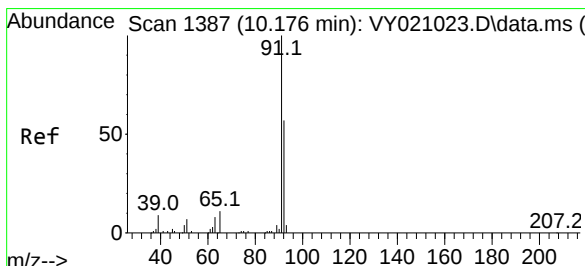
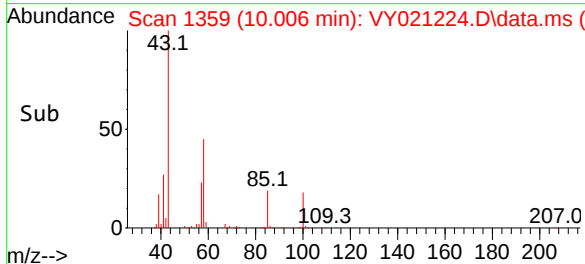
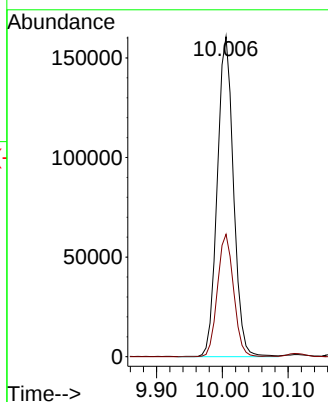
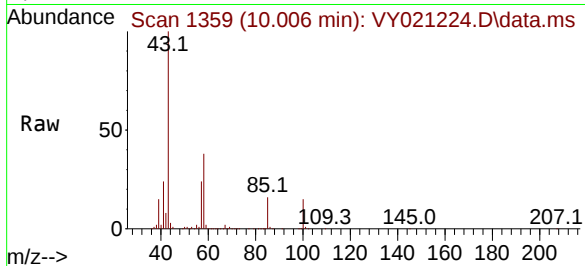




#51  
4-Methyl-2-Pentanone  
Concen: 273.870 ug/l  
RT: 10.006 min Scan# 1359  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

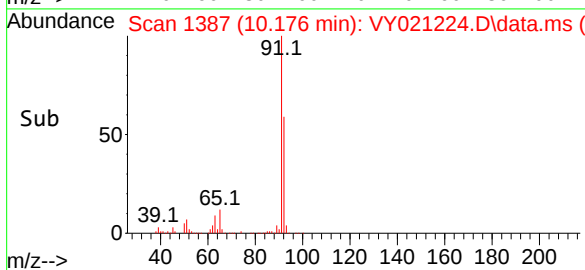
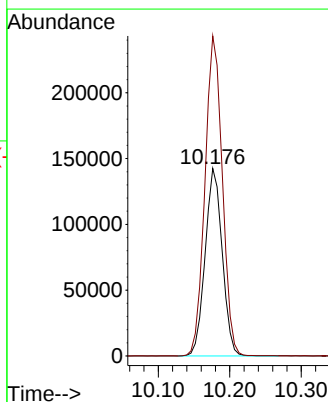
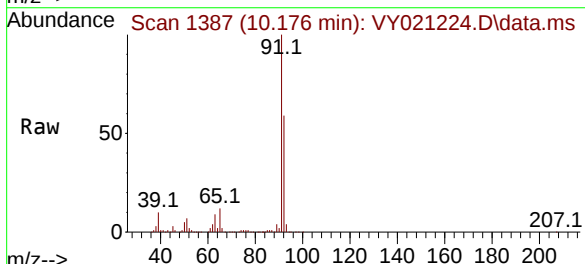
Instrument :  
MSVOA\_Y  
ClientSampleId :

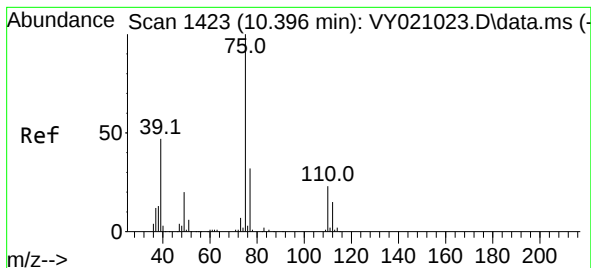
Tgt Ion: 43 Resp: 275710  
Ion Ratio Lower Upper  
43 100  
58 38.1 32.2 48.2



#52  
Toluene  
Concen: 55.922 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 92 Resp: 236660  
Ion Ratio Lower Upper  
92 100  
91 173.6 137.6 206.4

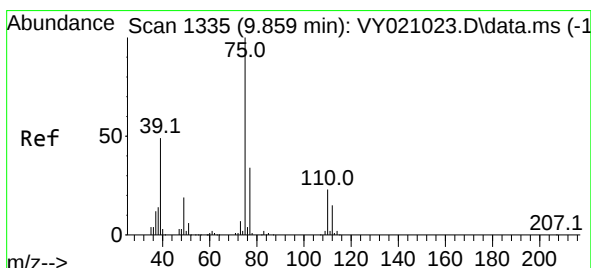
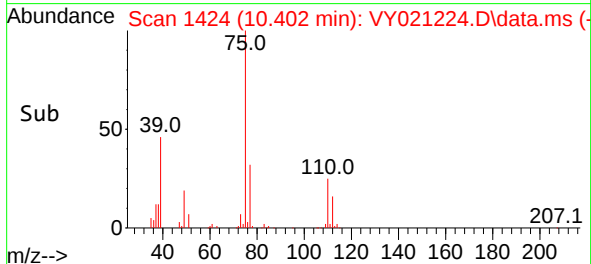
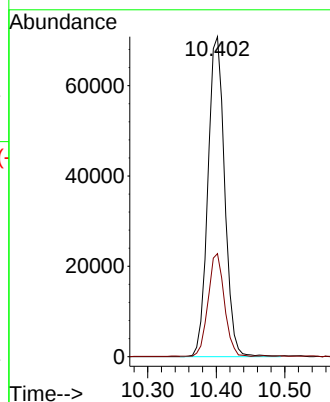
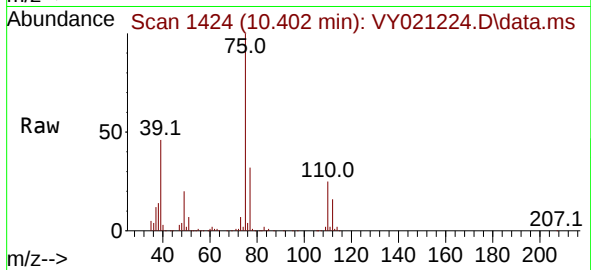




#53  
 t-1,3-Dichloropropene  
 Concen: 56.408 ug/l  
 RT: 10.402 min Scan# 1423  
 Delta R.T. 0.006 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

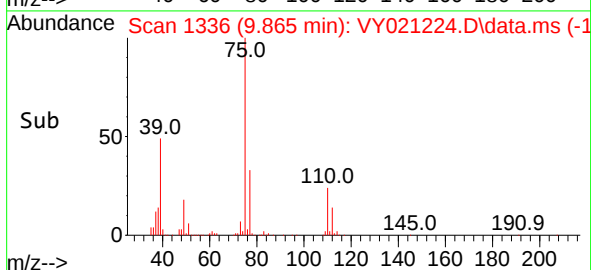
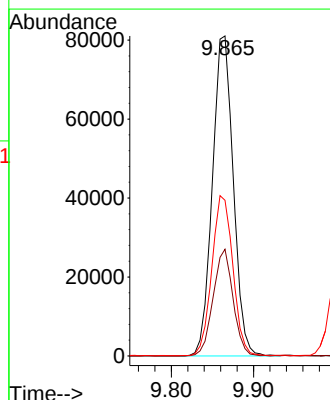
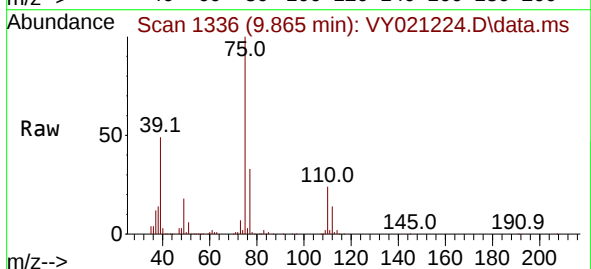
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

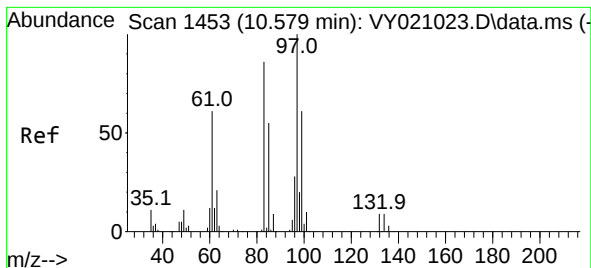
Tgt Ion: 75 Resp: 120316  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 24.6 36.8



#54  
 cis-1,3-Dichloropropene  
 Concen: 56.732 ug/l  
 RT: 9.865 min Scan# 1336  
 Delta R.T. 0.006 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

Tgt Ion: 75 Resp: 143275  
 Ion Ratio Lower Upper  
 75 100  
 77 33.3 24.6 36.8  
 39 48.5 33.6 50.4

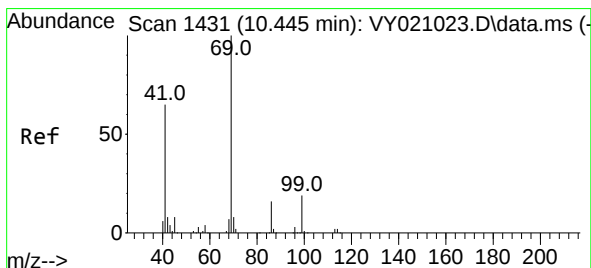
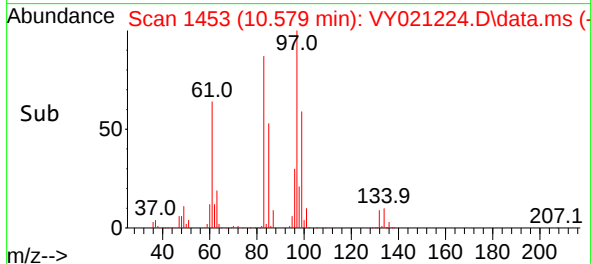
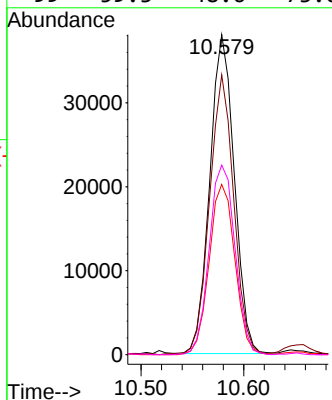
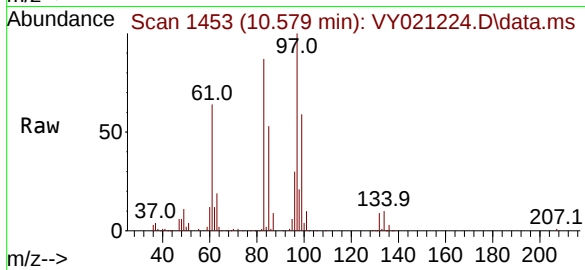




#55  
1,1,2-Trichloroethane  
Concen: 54.827 ug/l  
RT: 10.579 min Scan# 1453  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

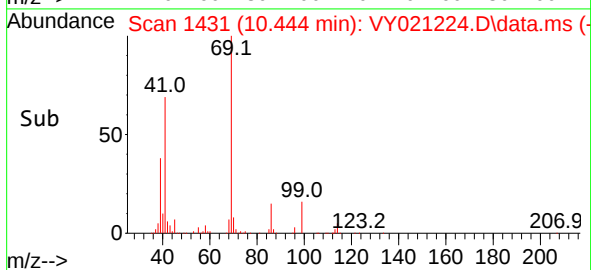
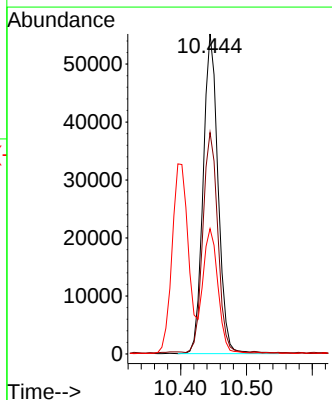
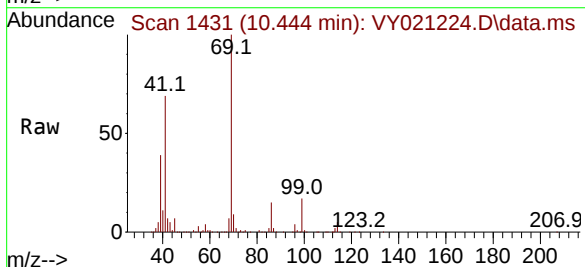
Instrument :  
MSVOA\_Y  
ClientSampleId :

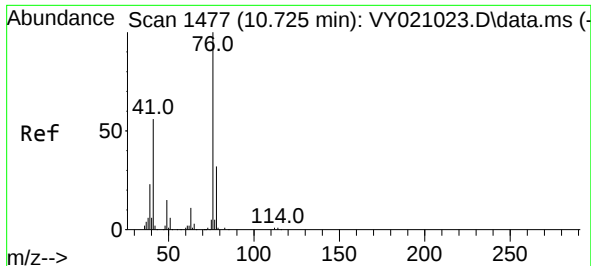
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 62884 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.3  | 69.4  | 104.2 |
| 85       | 53.4  | 43.9  | 65.9  |
| 99       | 59.3  | 48.6  | 73.0  |



#56  
Ethyl methacrylate  
Concen: 56.724 ug/l  
RT: 10.444 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 87036 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 68.6  | 49.2  | 73.8  |
| 39       | 37.6  | 26.8  | 40.2  |





#57

1,3-Dichloropropane

Concen: 55.941 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

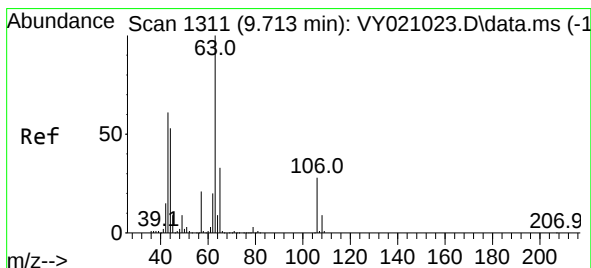
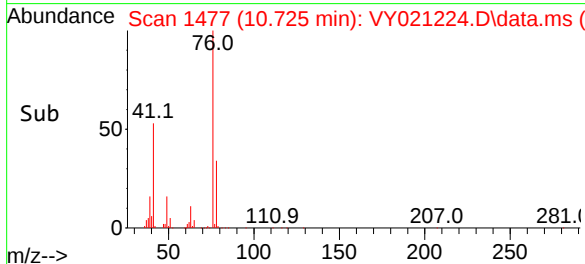
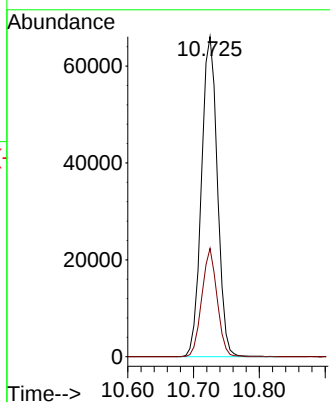
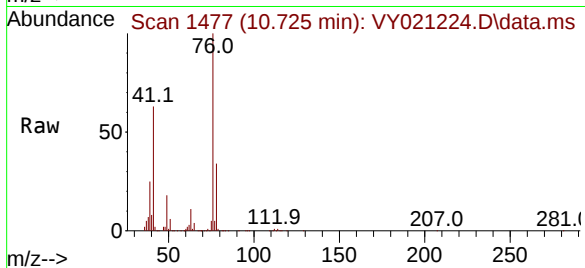
ClientSampleId :

Tgt Ion: 76 Resp: 111056

Ion Ratio Lower Upper

76 100

78 32.4 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 262.579 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY021224.D

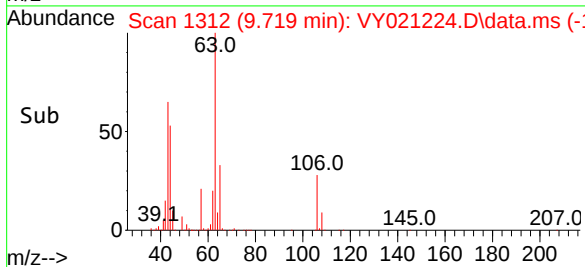
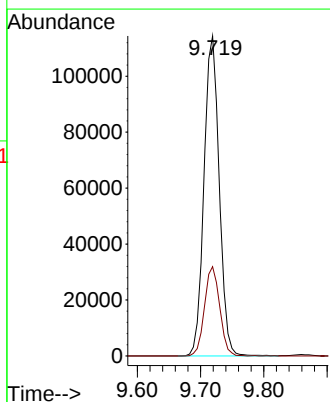
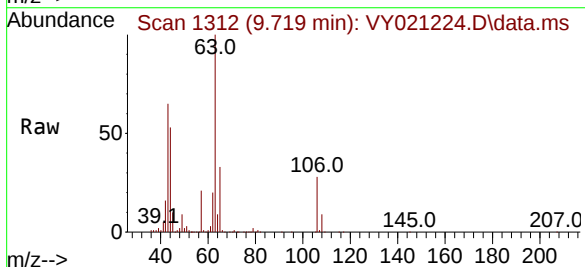
Acq: 17 Feb 2025 16:34

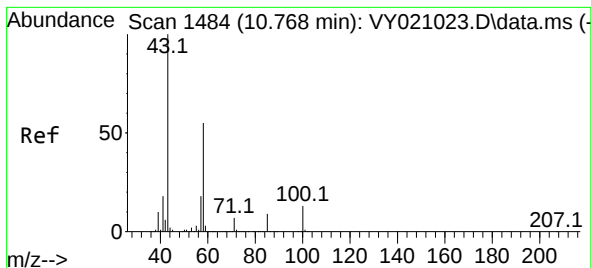
Tgt Ion: 63 Resp: 191674

Ion Ratio Lower Upper

63 100

106 27.8 22.4 33.6

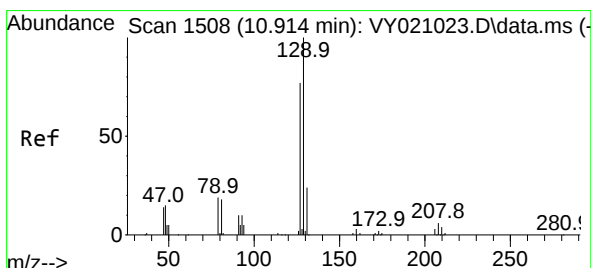
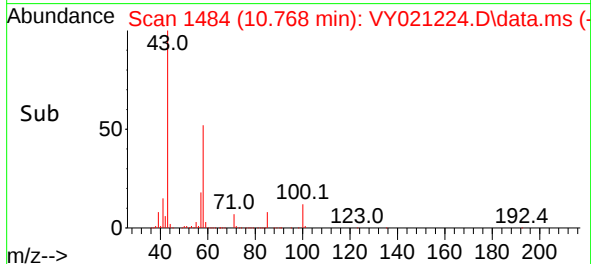
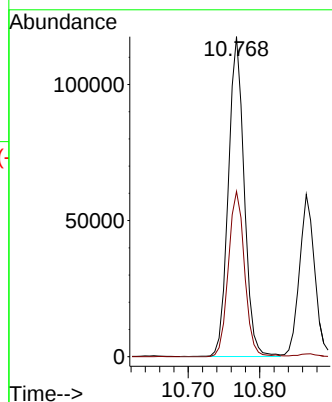
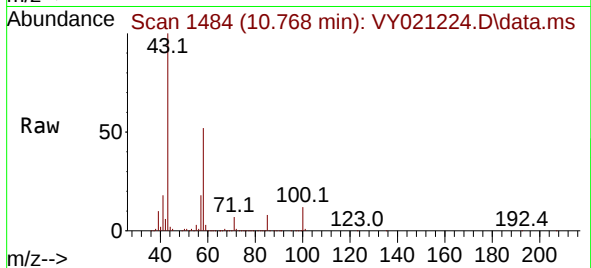




#59  
2-Hexanone  
Concen: 278.405 ug/l  
RT: 10.768 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

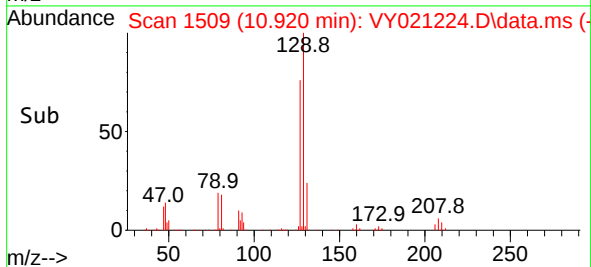
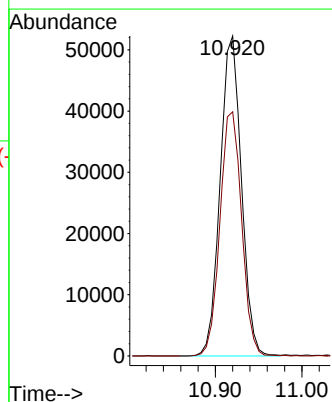
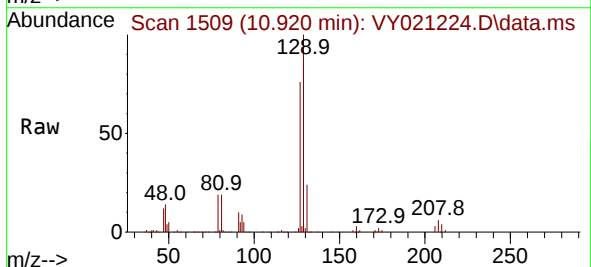
Instrument :  
MSVOA\_Y  
ClientSampleId :

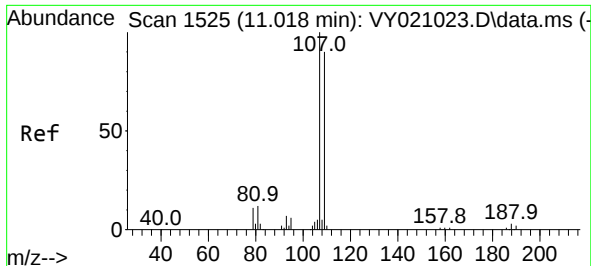
Tgt Ion: 43 Resp: 180458  
Ion Ratio Lower Upper  
43 100  
58 53.0 28.1 84.3



#60  
Dibromochloromethane  
Concen: 55.265 ug/l  
RT: 10.920 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 129 Resp: 89017  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.2 117.6

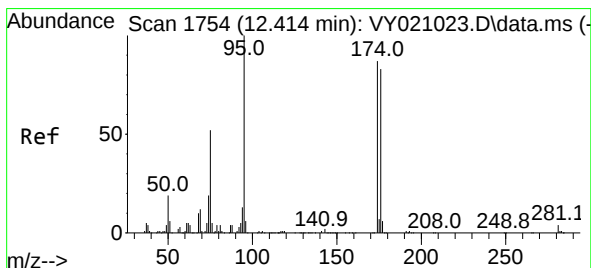
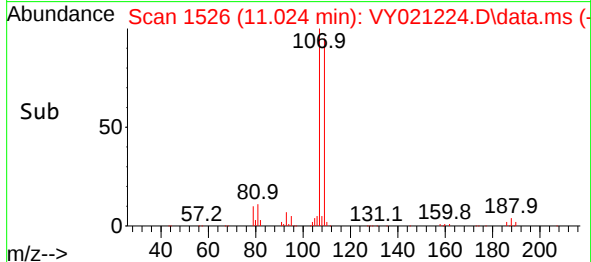
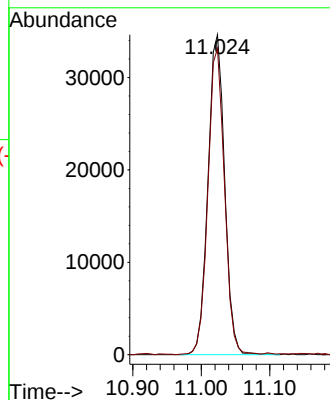
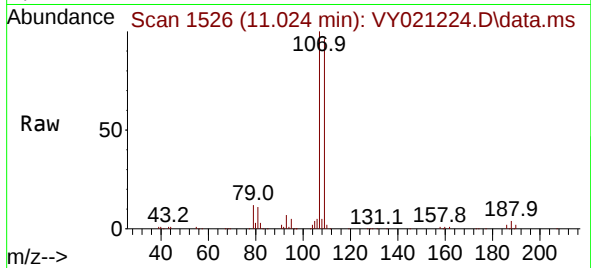




#61  
1,2-Dibromoethane  
Concen: 54.654 ug/l  
RT: 11.024 min Scan# 1526  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

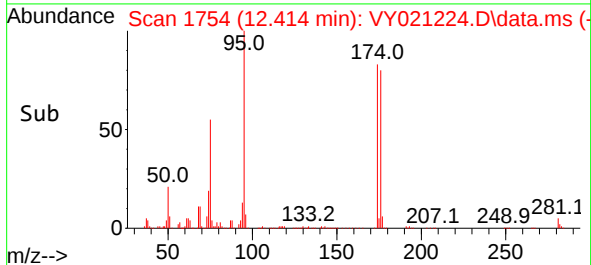
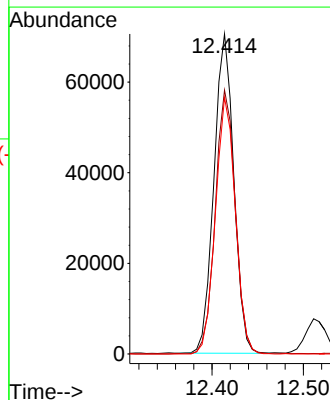
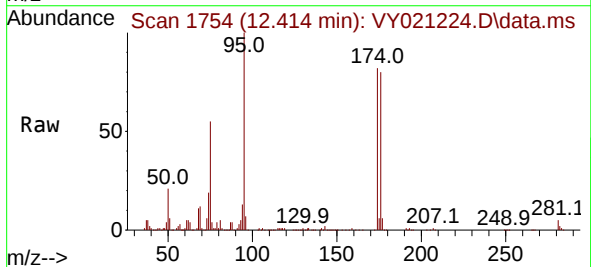
Instrument :  
MSVOA\_Y  
ClientSampleId :

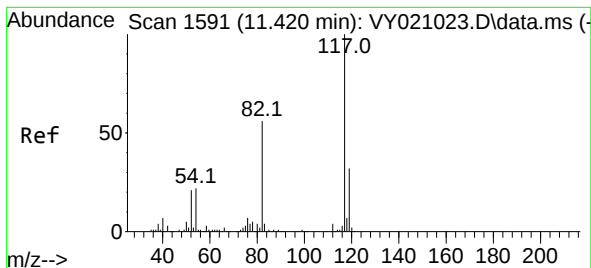
Tgt Ion:107 Resp: 58716  
Ion Ratio Lower Upper  
107 100  
109 95.0 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 55.108 ug/l  
RT: 12.414 min Scan# 1754  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 95 Resp: 106276  
Ion Ratio Lower Upper  
95 100  
174 84.1 0.0 160.0  
176 80.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

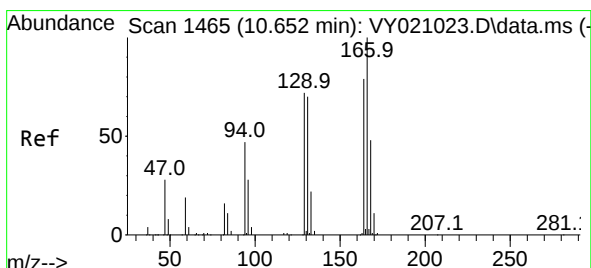
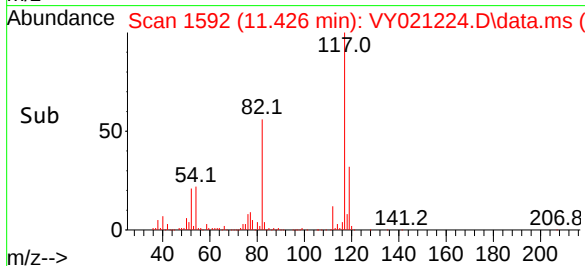
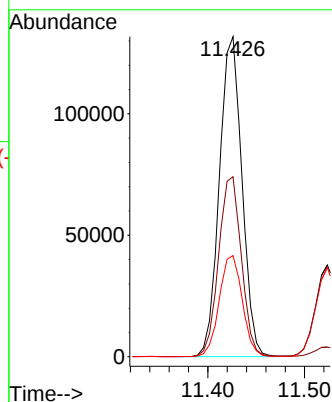
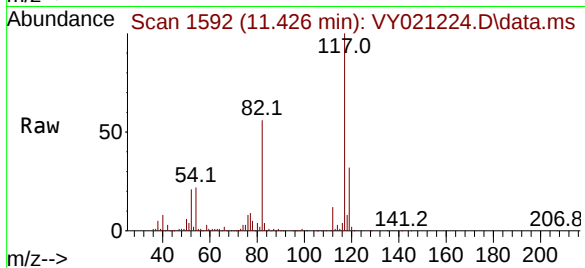
Tgt Ion:117 Resp: 213667

Ion Ratio Lower Upper

117 100

82 56.2 43.8 65.8

119 31.6 26.5 39.7



#64

Tetrachloroethene

Concen: 49.941 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Tgt Ion:164 Resp: 79214

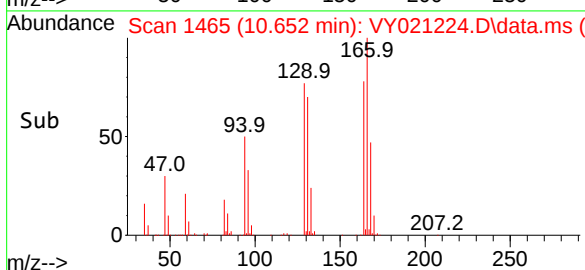
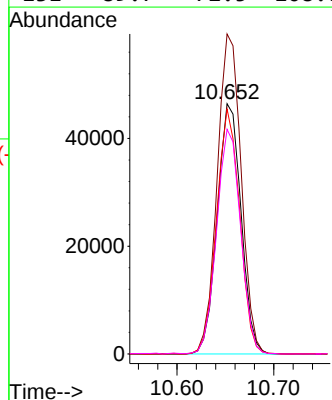
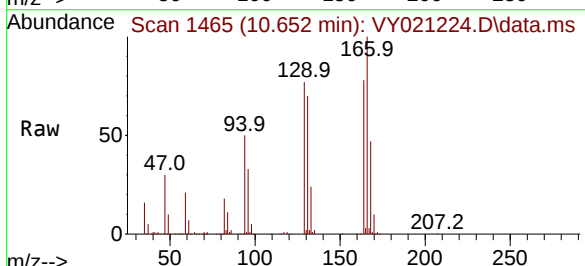
Ion Ratio Lower Upper

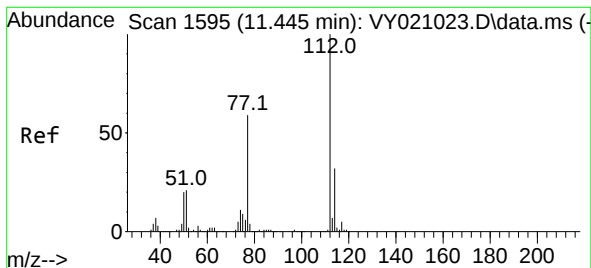
164 100

166 127.9 98.8 148.2

129 97.9 78.9 118.3

131 89.7 72.5 108.7





#65

Chlorobenzene

Concen: 54.403 ug/l

RT: 11.450 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

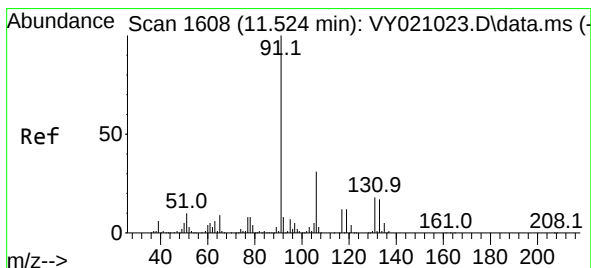
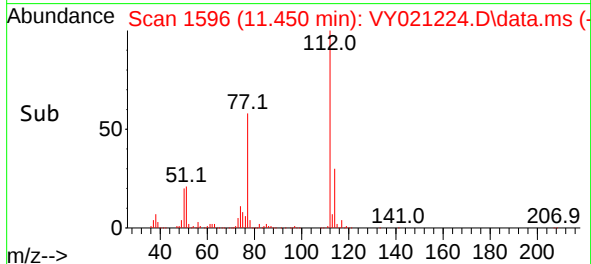
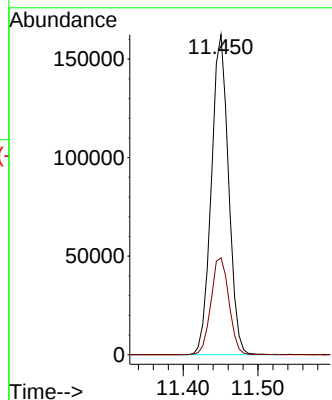
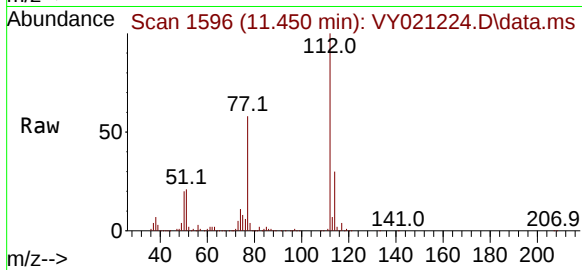
ClientSampleId :

Tgt Ion:112 Resp: 258832

Ion Ratio Lower Upper

112 100

114 30.3 26.1 39.1



#66

1,1,1,2-Tetrachloroethane

Concen: 55.153 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

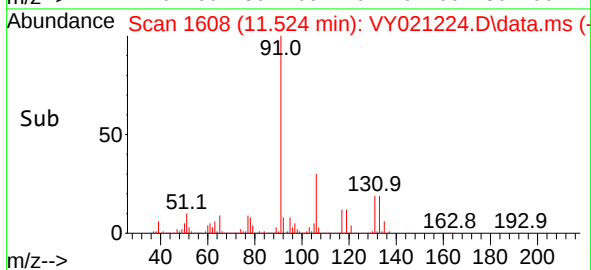
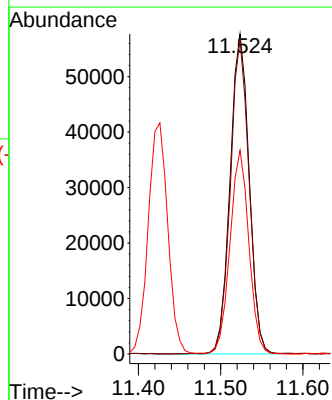
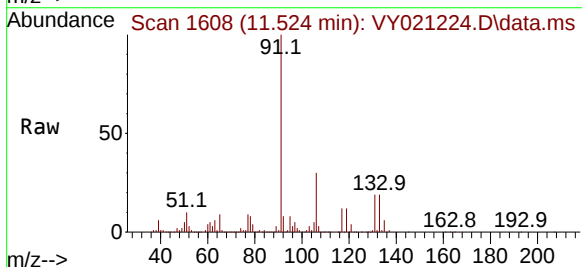
Tgt Ion:131 Resp: 93249

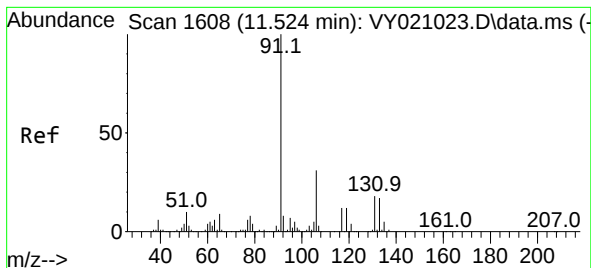
Ion Ratio Lower Upper

131 100

133 96.0 47.0 141.0

119 62.7 33.3 99.9

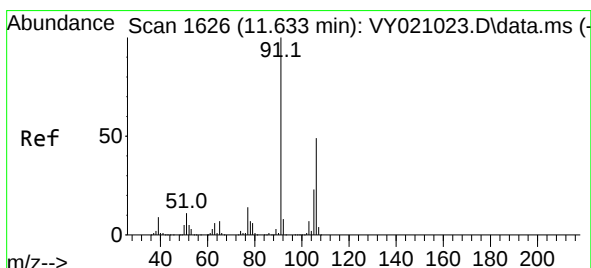
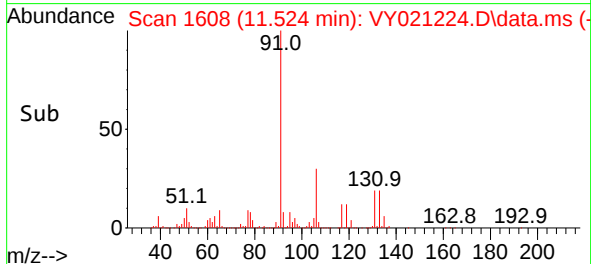
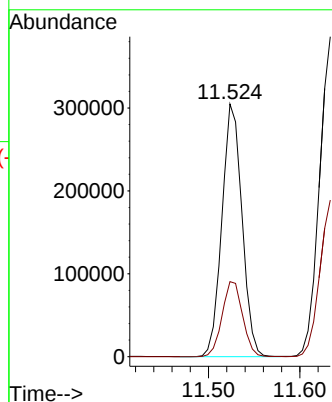
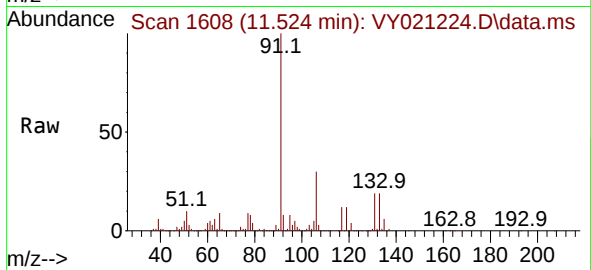




#67  
Ethyl Benzene  
Concen: 55.313 ug/l  
RT: 11.524 min Scan# 1608  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

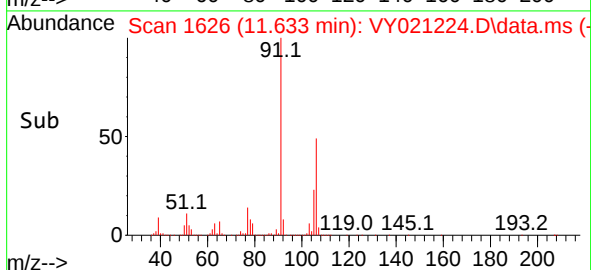
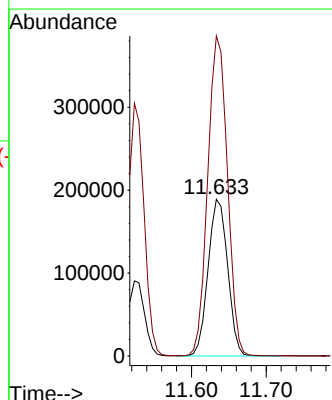
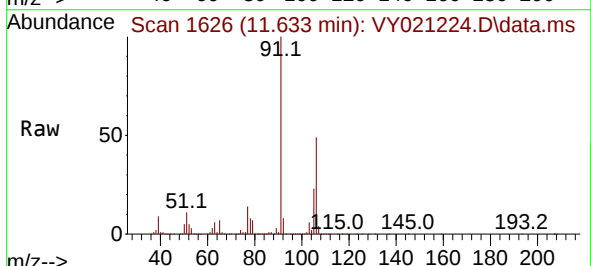
Instrument :  
MSVOA\_Y  
ClientSampleId :

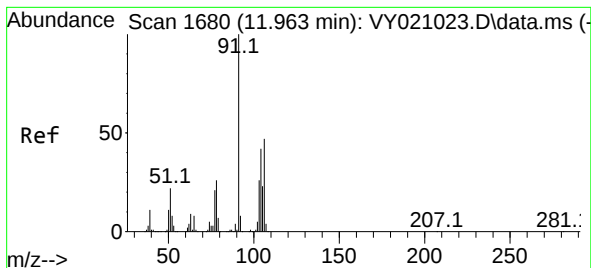
Tgt Ion: 91 Resp: 465459  
Ion Ratio Lower Upper  
91 100  
106 29.7 25.0 37.4



#68  
m/p-Xylenes  
Concen: 108.922 ug/l  
RT: 11.633 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion:106 Resp: 342892  
Ion Ratio Lower Upper  
106 100  
91 205.6 160.7 241.1

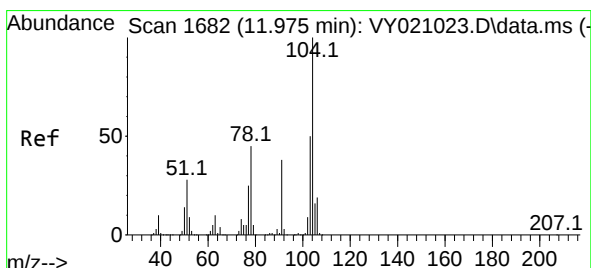
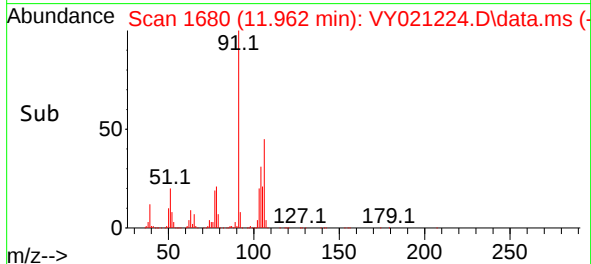
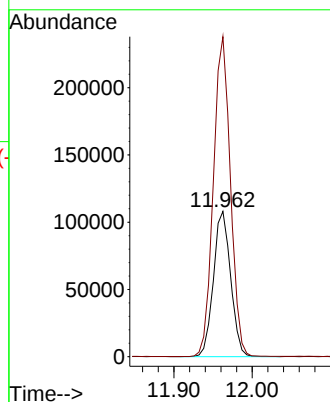
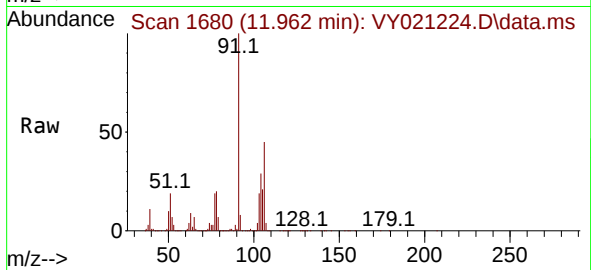




#69  
o-Xylene  
Concen: 56.233 ug/l  
RT: 11.962 min Scan# 1680  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

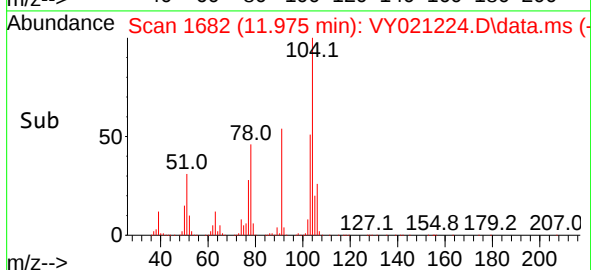
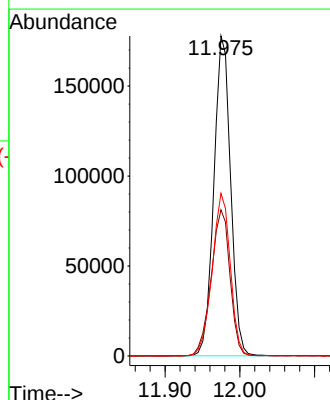
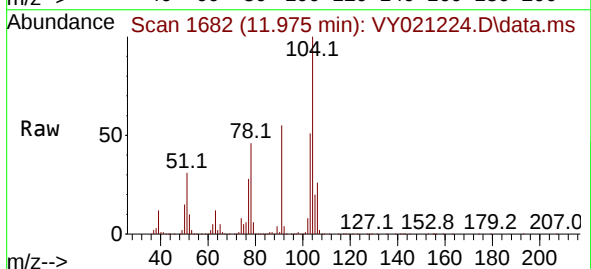
Instrument :  
MSVOA\_Y  
ClientSampleId :

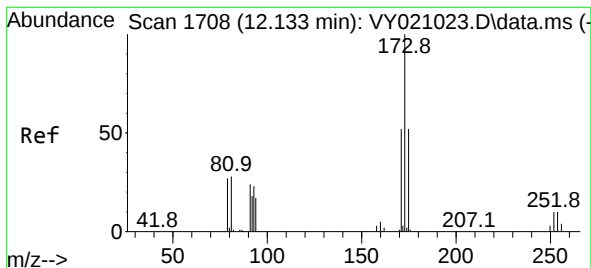
Tgt Ion:106 Resp: 165046  
Ion Ratio Lower Upper  
106 100  
91 217.8 106.5 319.5



#70  
Styrene  
Concen: 56.732 ug/l  
RT: 11.975 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion:104 Resp: 277521  
Ion Ratio Lower Upper  
104 100  
78 51.5 39.2 58.8  
103 55.1 43.8 65.6





#71

Bromoform

Concen: 53.577 ug/l

RT: 12.139 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021224.D

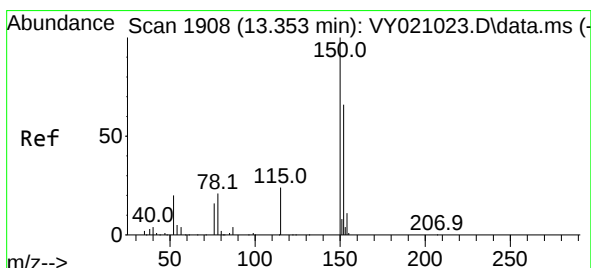
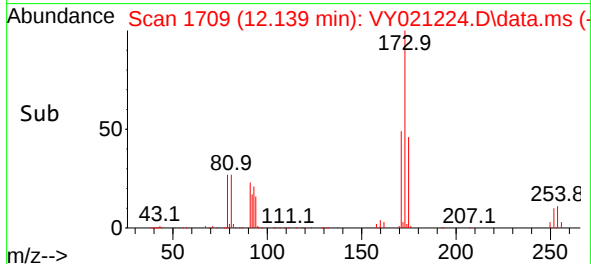
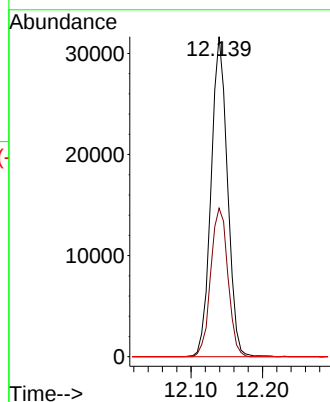
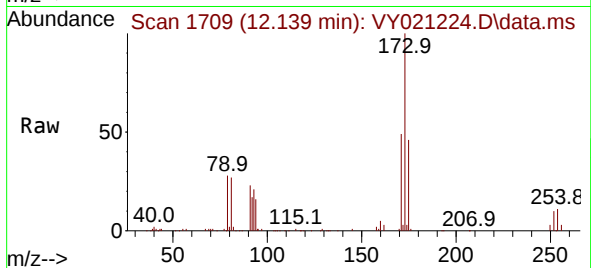
Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 50421     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 48.5  | 23.5 70.6 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

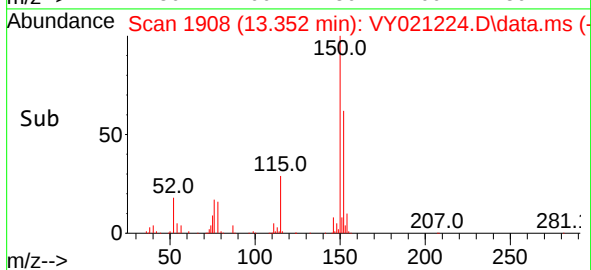
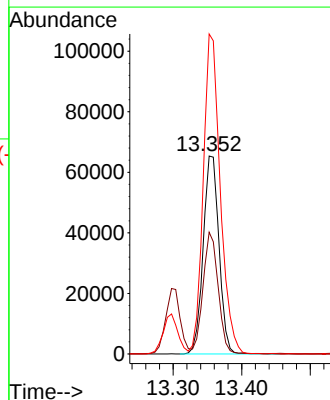
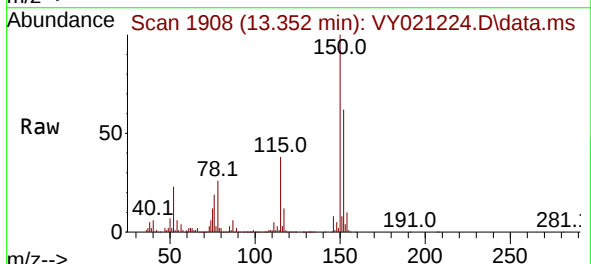
RT: 13.352 min Scan# 1908

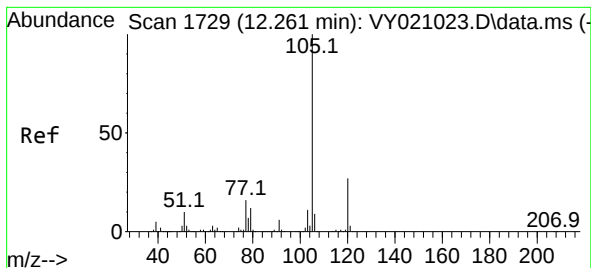
Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 104994    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 58.1  | 30.0 90.0 |
| 150         | 174.0 | 0.0 344.6 |





#73

Isopropylbenzene

Concen: 53.652 ug/l

RT: 12.261 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

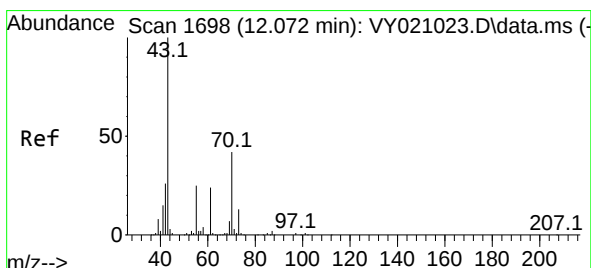
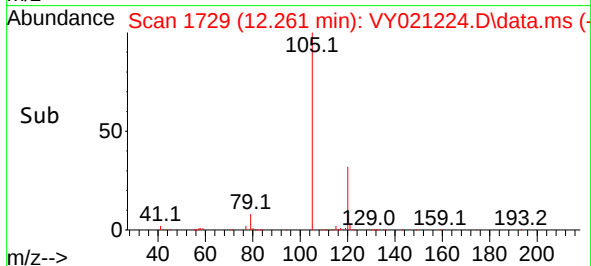
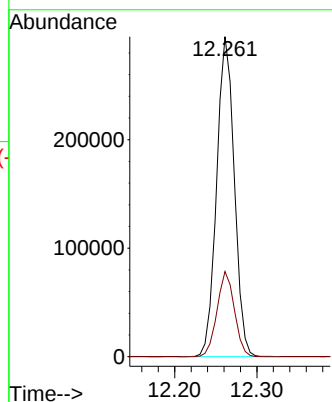
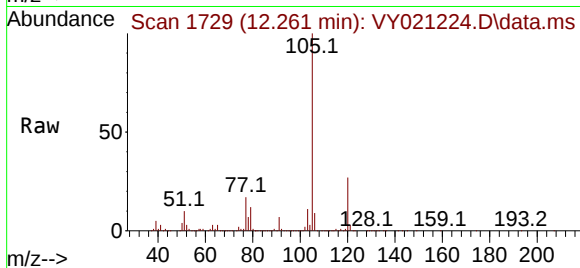
ClientSampleId :

Tgt Ion:105 Resp: 440025

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 54.386 ug/l

RT: 12.078 min Scan# 1699

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Tgt Ion: 43 Resp: 97519

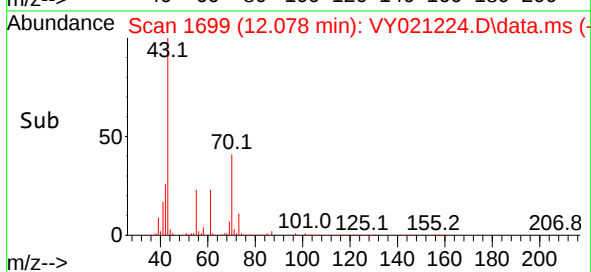
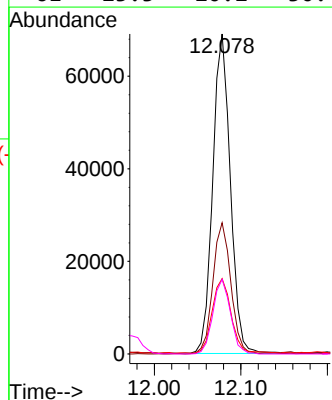
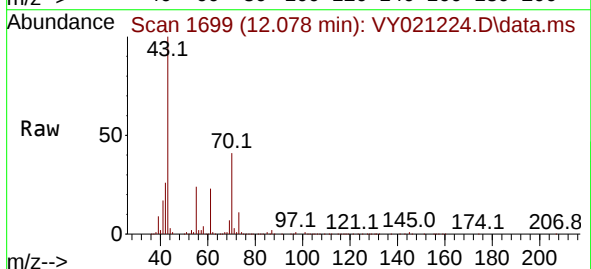
Ion Ratio Lower Upper

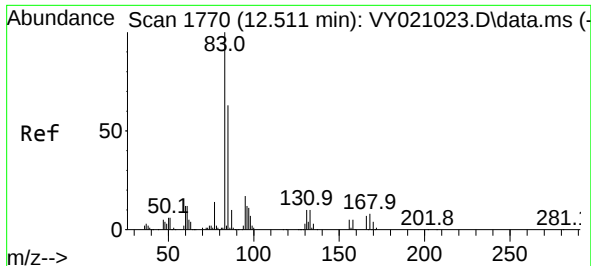
43 100

70 42.1 36.6 55.0

55 25.0 22.2 33.4

61 23.3 20.2 30.4

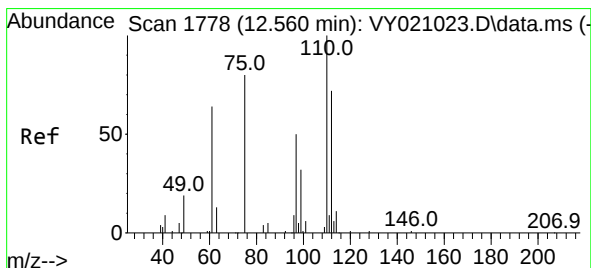
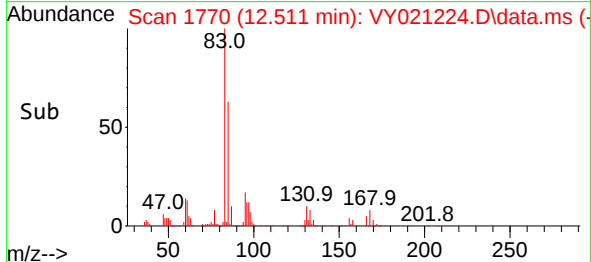
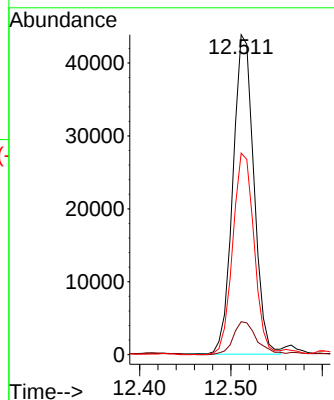
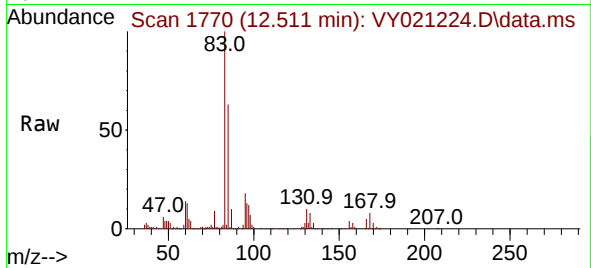




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.266 ug/l  
RT: 12.511 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

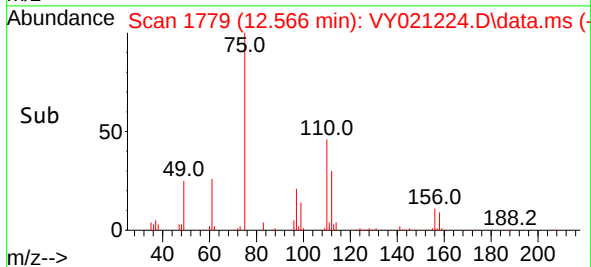
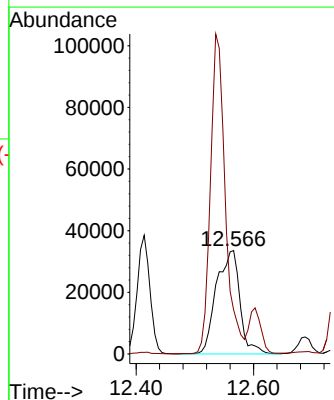
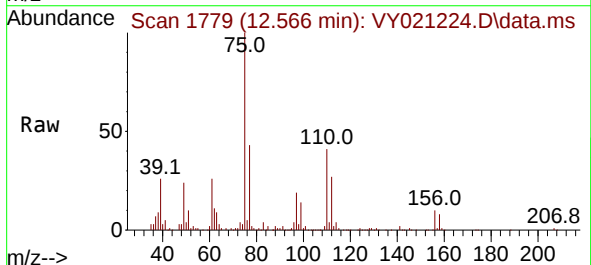
Instrument :  
MSVOA\_Y  
ClientSampleId :

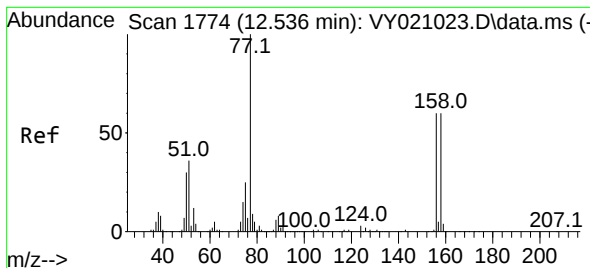
Tgt Ion: 83 Resp: 69928  
Ion Ratio Lower Upper  
83 100  
131 11.6 4.9 14.6  
85 64.3 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 98.278 ug/l  
RT: 12.566 min Scan# 1779  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 75 Resp: 93602  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.767 ug/l

RT: 12.542 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

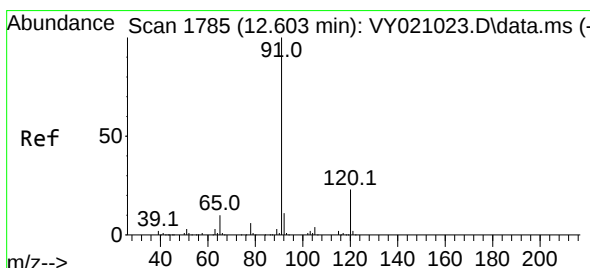
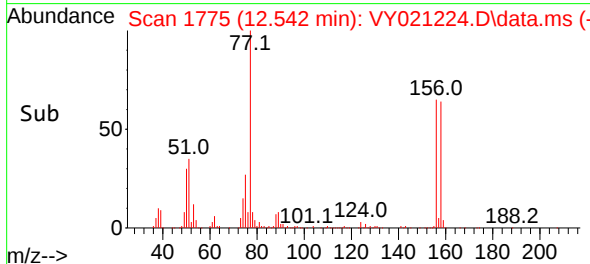
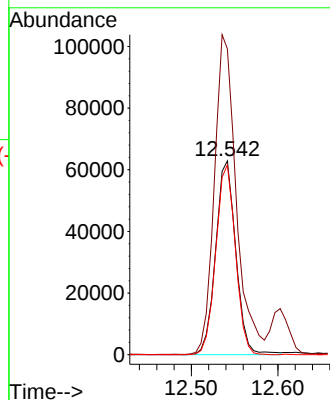
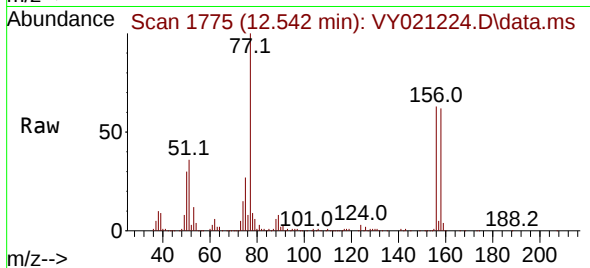
Tgt Ion:156 Resp: 101761

Ion Ratio Lower Upper

156 100

77 179.7 97.3 291.8

158 95.1 48.4 145.0



#78

n-propylbenzene

Concen: 53.289 ug/l

RT: 12.603 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VY021224.D

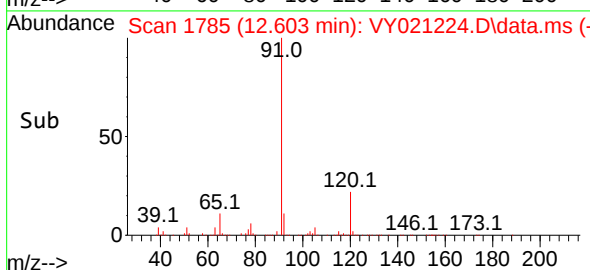
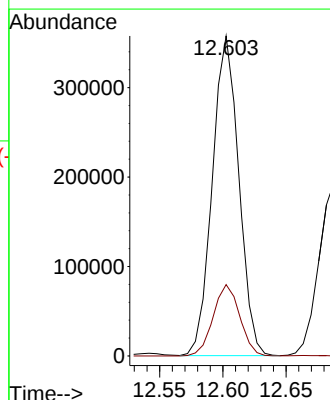
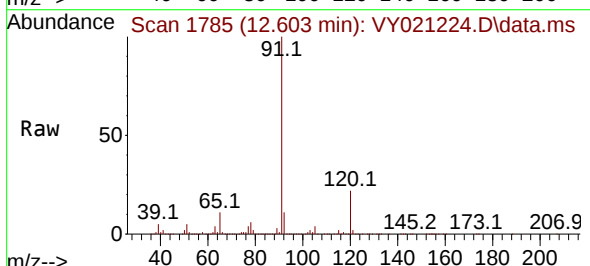
Acq: 17 Feb 2025 16:34

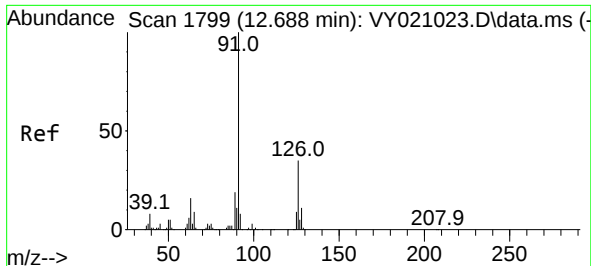
Tgt Ion: 91 Resp: 520626

Ion Ratio Lower Upper

91 100

120 22.4 11.0 33.0





#79

2-Chlorotoluene

Concen: 53.749 ug/l

RT: 12.688 min Scan# 1799

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

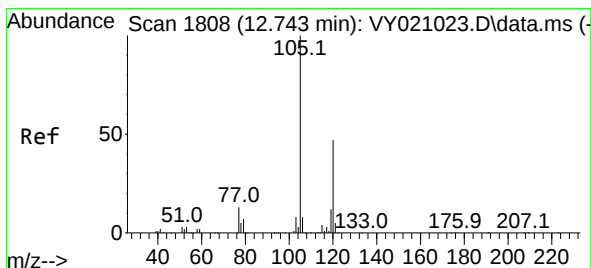
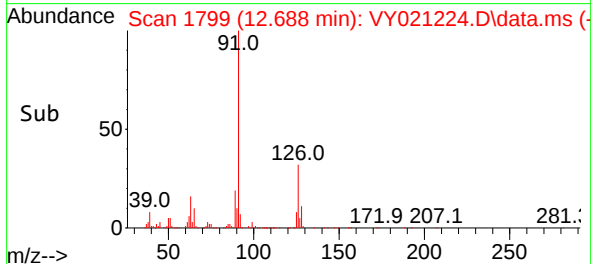
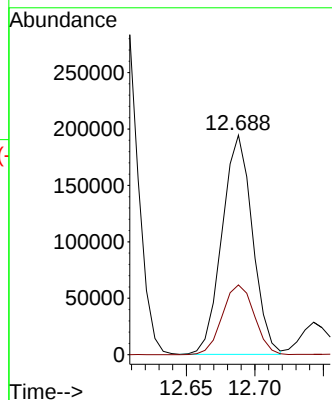
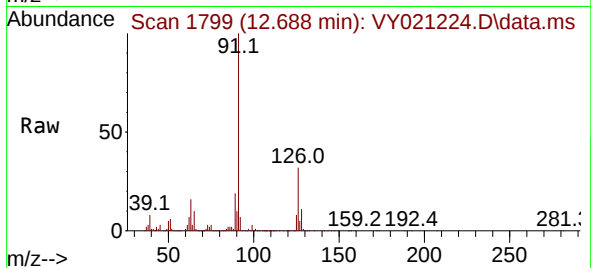
ClientSampleId :

Tgt Ion: 91 Resp: 300761

Ion Ratio Lower Upper

91 100

126 33.4 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 53.211 ug/l

RT: 12.743 min Scan# 1808

Delta R.T. -0.000 min

Lab File: VY021224.D

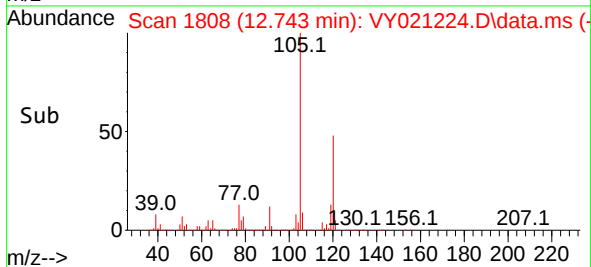
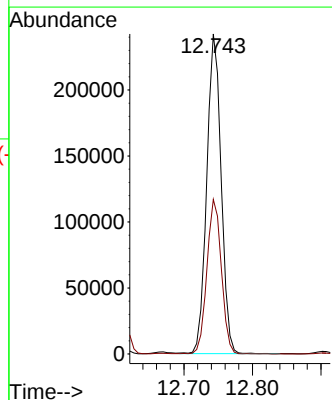
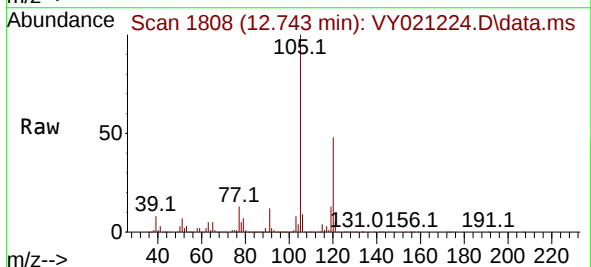
Acq: 17 Feb 2025 16:34

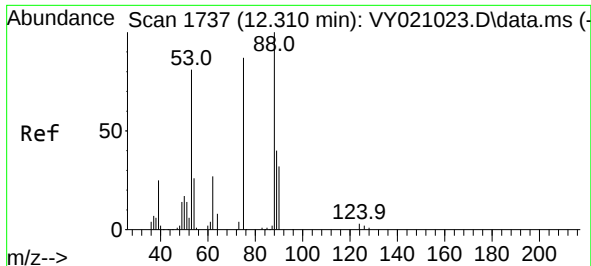
Tgt Ion:105 Resp: 353828

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8

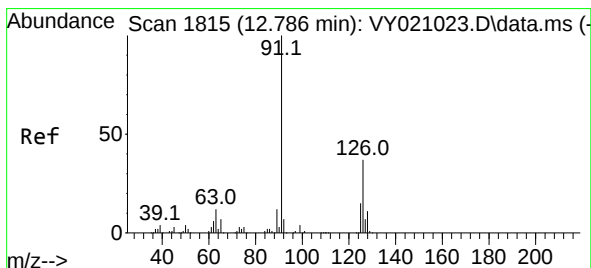
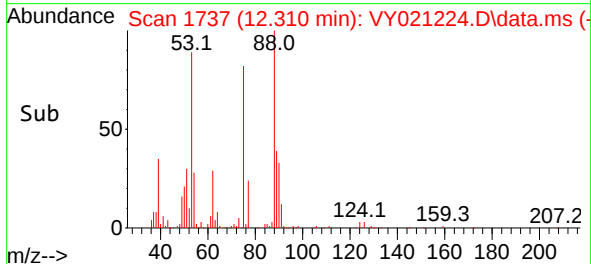
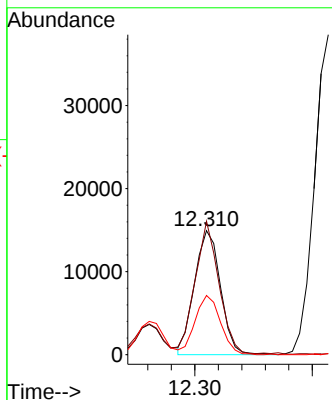
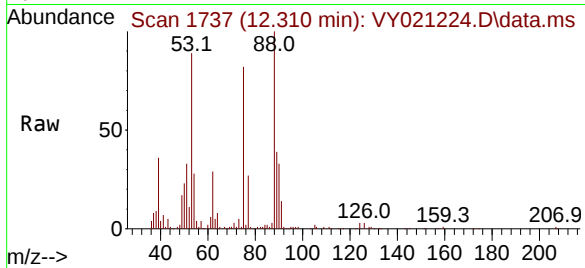




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.352 ug/l  
RT: 12.310 min Scan# 1737  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

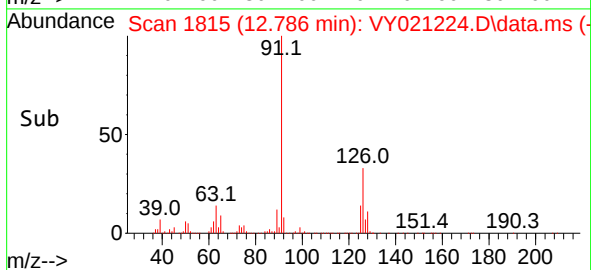
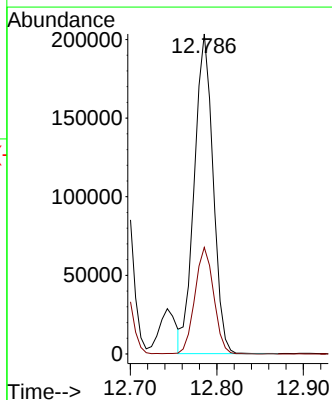
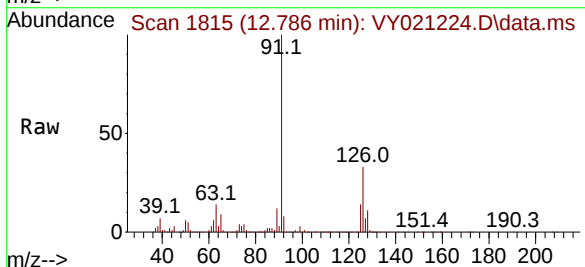
Instrument :  
MSVOA\_Y  
ClientSampleId :

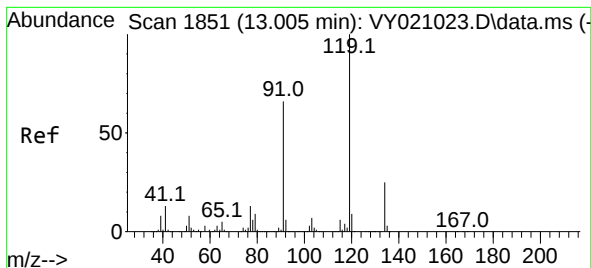
Tgt Ion: 75 Resp: 23036  
Ion Ratio Lower Upper  
75 100  
53 98.5 74.0 111.0  
89 46.6 36.5 54.7



#82  
4-Chlorotoluene  
Concen: 53.518 ug/l  
RT: 12.786 min Scan# 1815  
Delta R.T. -0.000 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 91 Resp: 305115  
Ion Ratio Lower Upper  
91 100  
126 33.6 17.1 51.2





#83

tert-Butylbenzene

Concen: 53.459 ug/l

RT: 13.005 min Scan# 1851

Delta R.T. -0.000 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

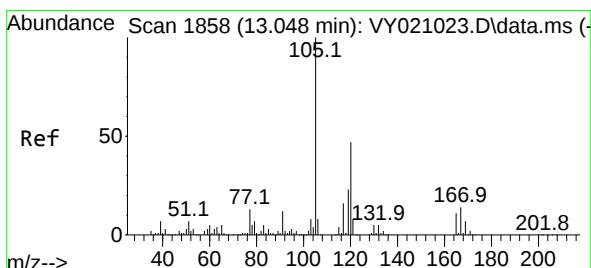
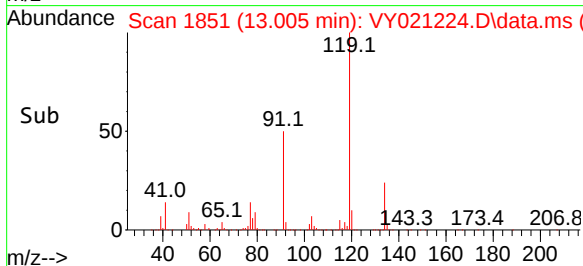
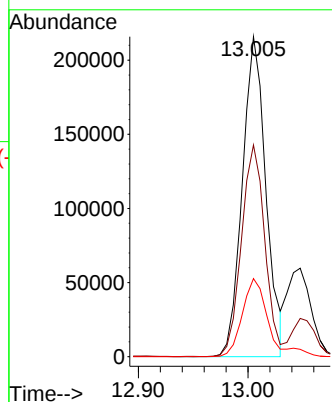
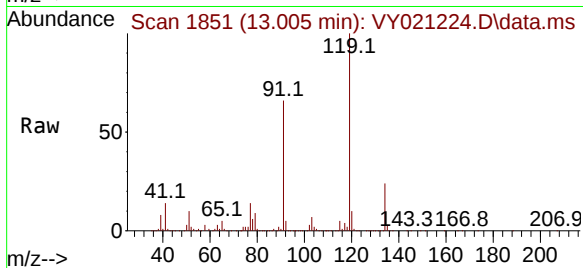
Tgt Ion:119 Resp: 323109

Ion Ratio Lower Upper

119 100

91 65.3 31.5 94.5

134 26.9 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 55.197 ug/l

RT: 13.048 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VY021224.D

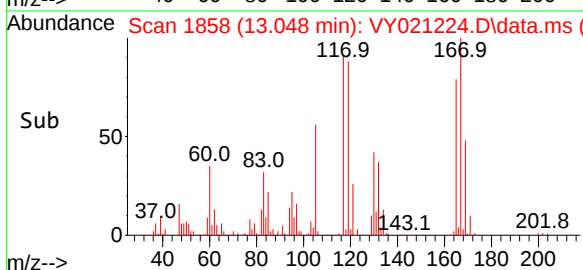
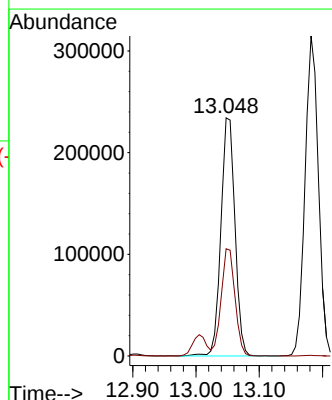
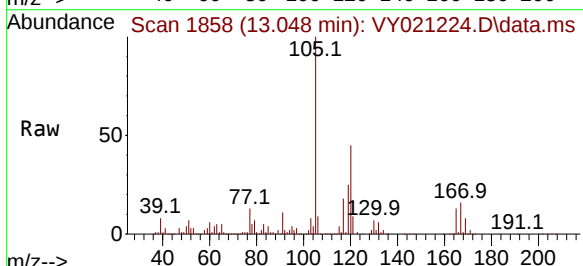
Acq: 17 Feb 2025 16:34

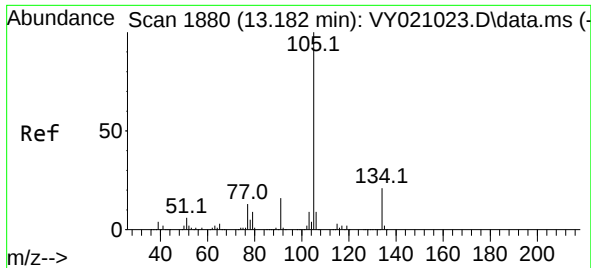
Tgt Ion:105 Resp: 358874

Ion Ratio Lower Upper

105 100

120 44.2 22.1 66.3

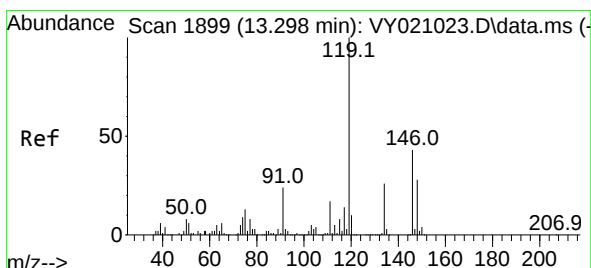
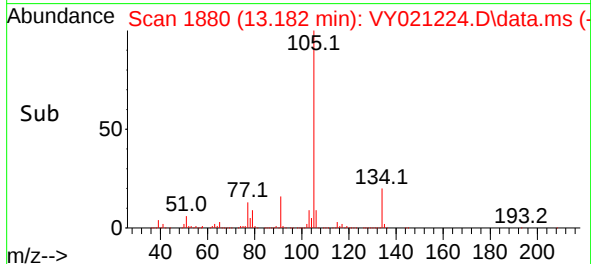
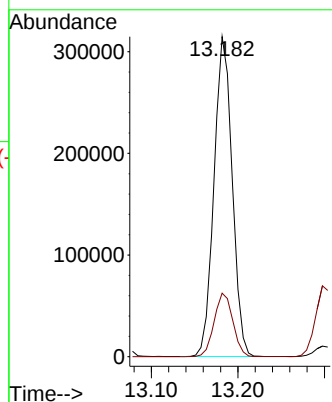
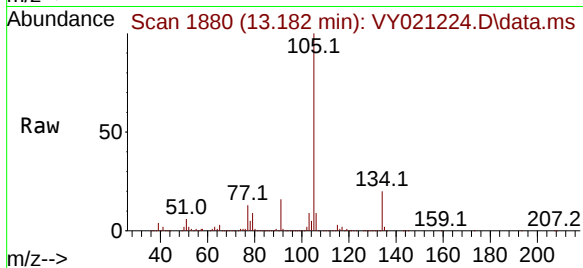




#85  
 sec-Butylbenzene  
 Concen: 52.757 ug/l  
 RT: 13.182 min Scan# 1880  
 Delta R.T. -0.000 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

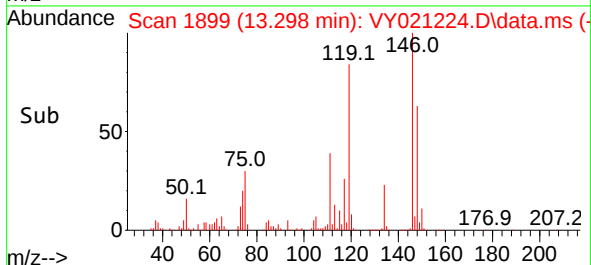
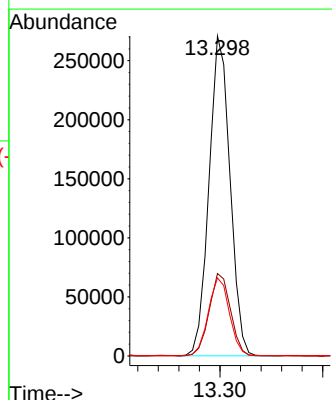
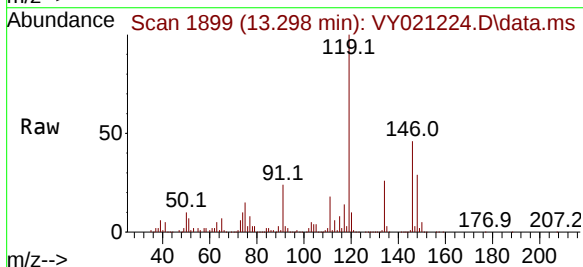
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

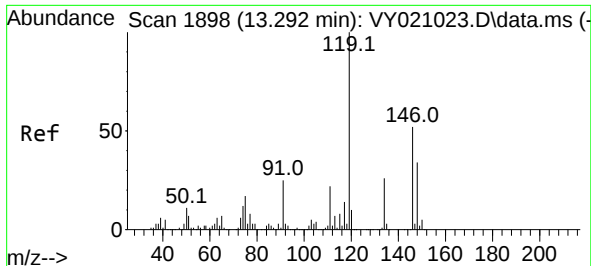
Tgt Ion:105 Resp: 459000  
 Ion Ratio Lower Upper  
 105 100  
 134 20.4 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 53.172 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. -0.000 min  
 Lab File: VY021224.D  
 Acq: 17 Feb 2025 16:34

Tgt Ion:119 Resp: 384282  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.1 39.1  
 91 24.5 11.7 35.0

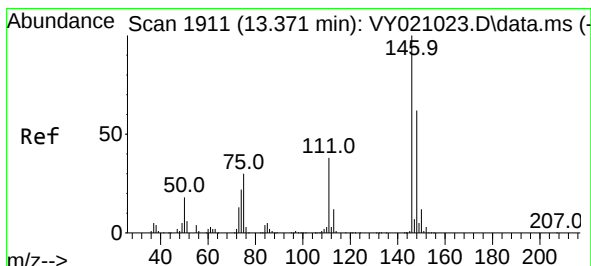
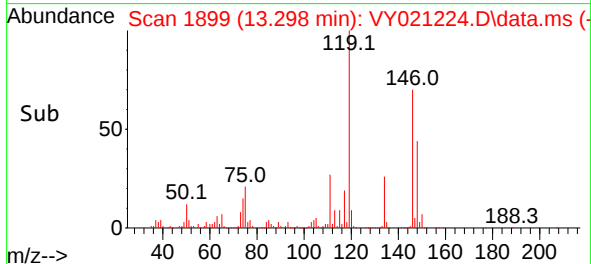
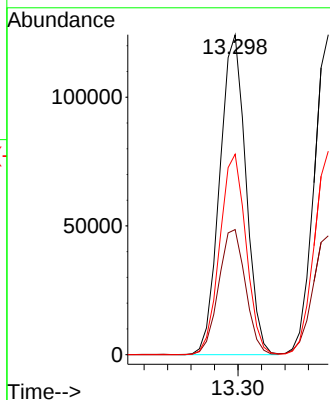
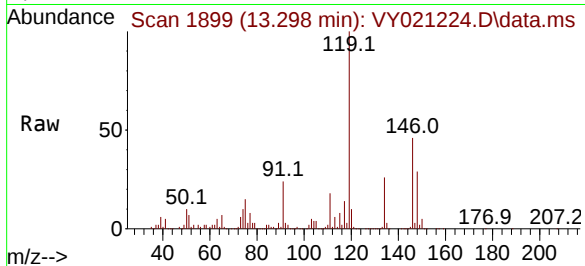




#87  
1,3-Dichlorobenzene  
Concen: 52.534 ug/l  
RT: 13.298 min Scan# 1898  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

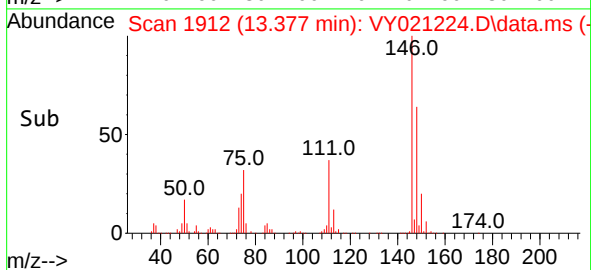
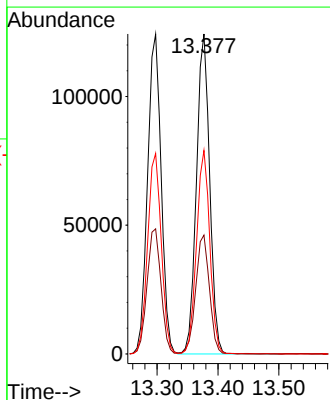
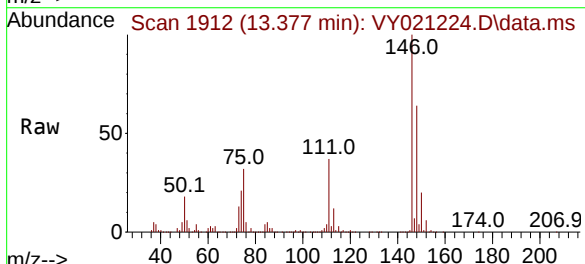
Instrument :  
MSVOA\_Y  
ClientSampleId :

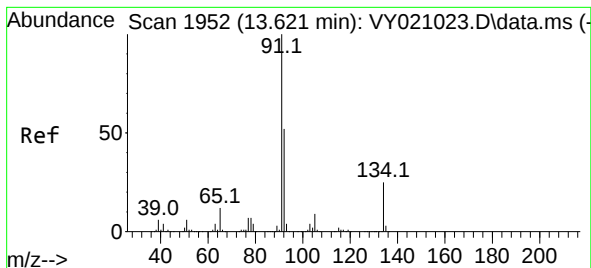
Tgt Ion:146 Resp: 191979  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.2 60.5  
148 63.0 31.9 95.9



#88  
1,4-Dichlorobenzene  
Concen: 52.111 ug/l  
RT: 13.377 min Scan# 1912  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion:146 Resp: 187505  
Ion Ratio Lower Upper  
146 100  
111 38.3 19.3 57.9  
148 63.6 31.6 94.7





#89

n-Butylbenzene

Concen: 53.702 ug/l

RT: 13.627 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

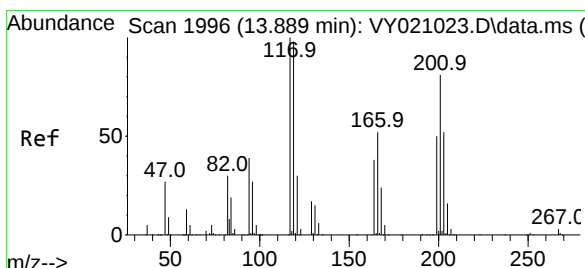
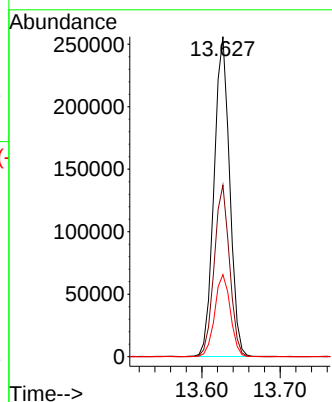
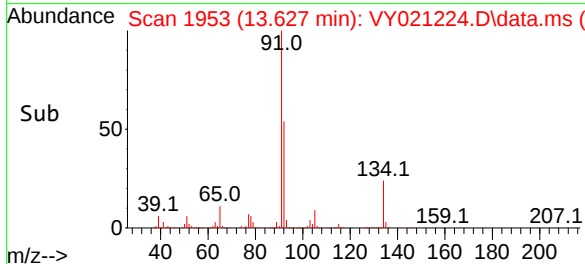
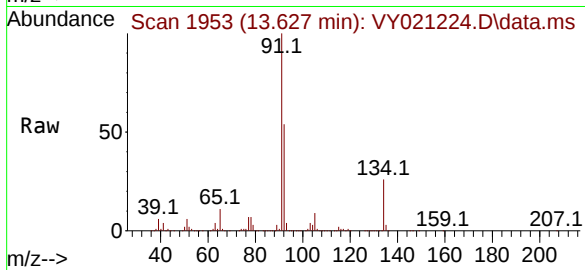
Tgt Ion: 91 Resp: 354069

Ion Ratio Lower Upper

91 100

92 52.8 26.4 79.2

134 25.8 12.3 36.8



#90

Hexachloroethane

Concen: 54.057 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VY021224.D

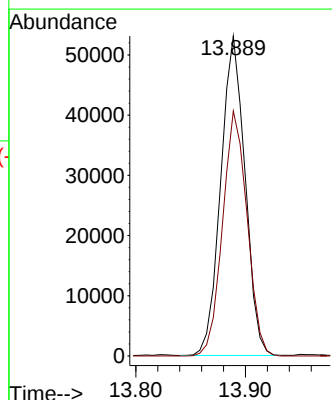
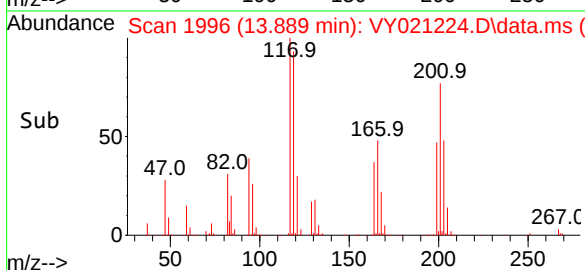
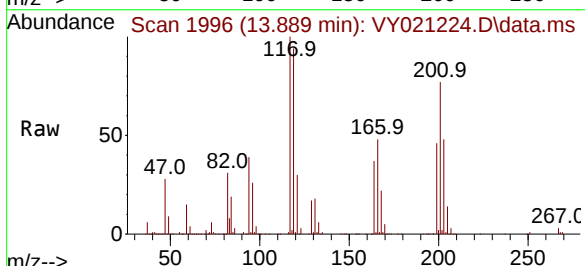
Acq: 17 Feb 2025 16:34

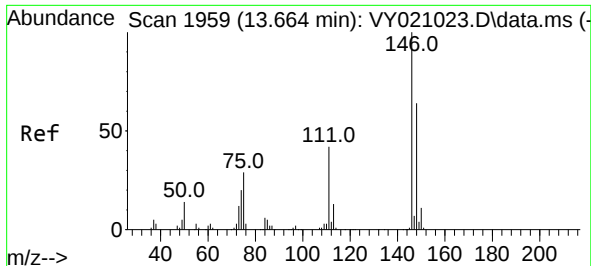
Tgt Ion: 117 Resp: 81502

Ion Ratio Lower Upper

117 100

201 77.5 33.4 100.1

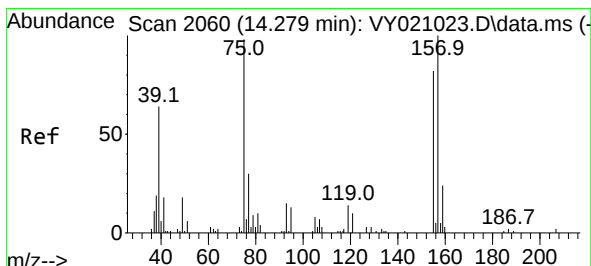
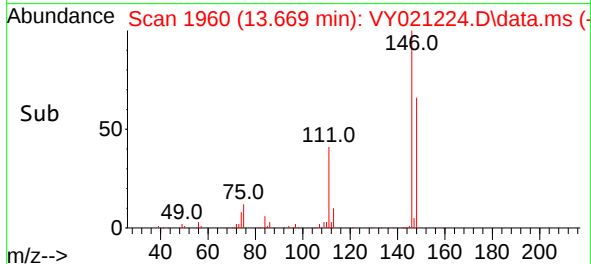
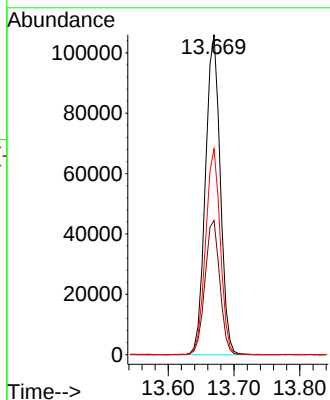
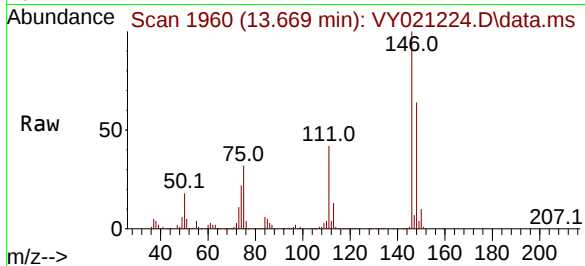




#91  
1,2-Dichlorobenzene  
Concen: 52.355 ug/l  
RT: 13.669 min Scan# 1959  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

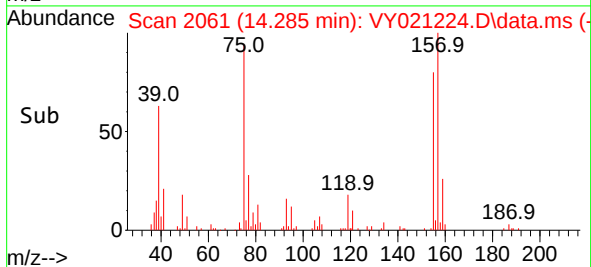
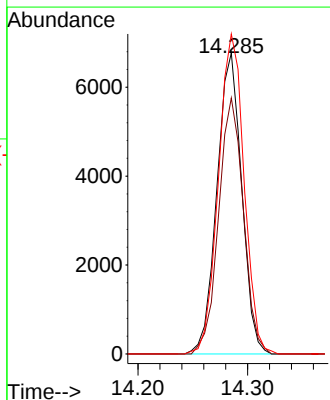
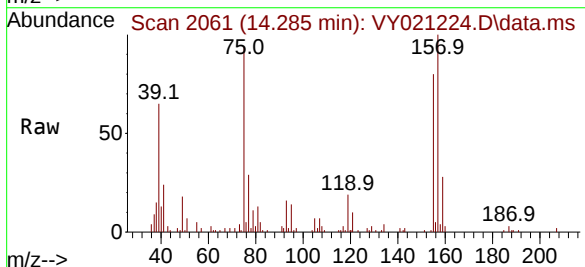
Instrument :  
MSVOA\_Y  
ClientSampleId :

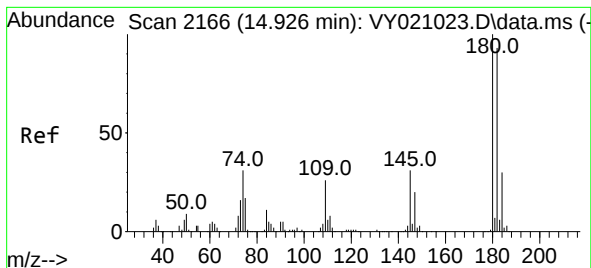
Tgt Ion:146 Resp: 166061  
Ion Ratio Lower Upper  
146 100  
111 42.2 20.5 61.6  
148 63.8 31.4 94.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.989 ug/l  
RT: 14.285 min Scan# 2061  
Delta R.T. 0.006 min  
Lab File: VY021224.D  
Acq: 17 Feb 2025 16:34

Tgt Ion: 75 Resp: 10597  
Ion Ratio Lower Upper  
75 100  
155 85.2 42.1 126.3  
157 110.3 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 56.824 ug/l

RT: 14.931 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

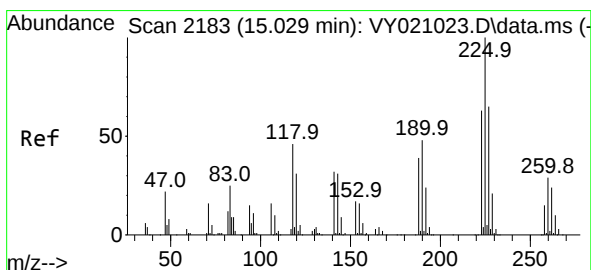
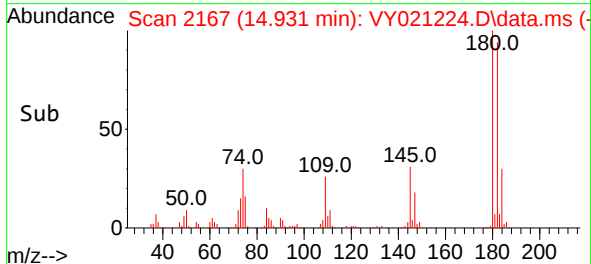
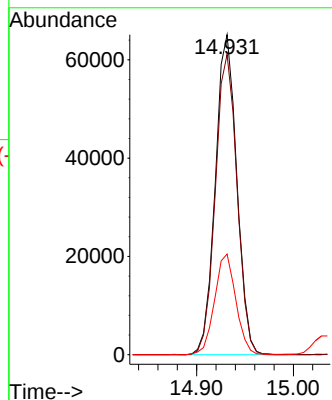
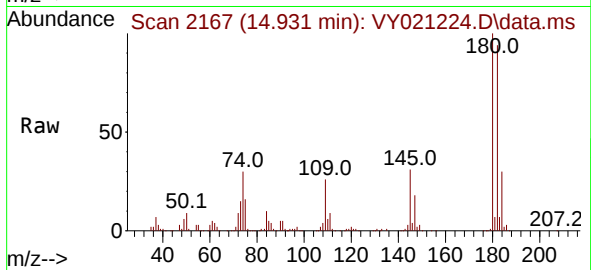
Tgt Ion:180 Resp: 100325

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.7

145 31.2 15.9 47.7



#94

Hexachlorobutadiene

Concen: 55.226 ug/l

RT: 15.035 min Scan# 2184

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

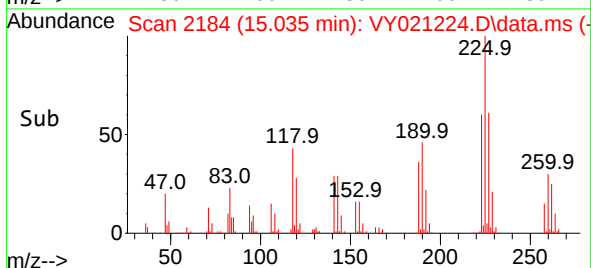
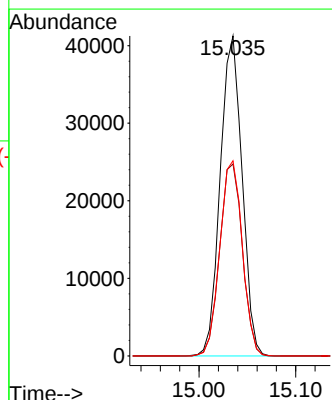
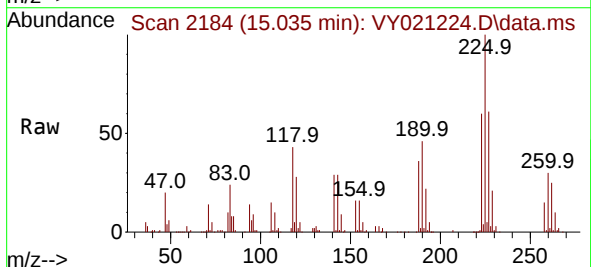
Tgt Ion:225 Resp: 64613

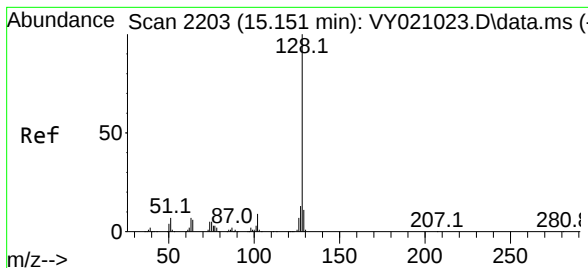
Ion Ratio Lower Upper

225 100

223 62.2 31.4 94.3

227 62.9 32.3 96.8





#95

Naphthalene

Concen: 60.057 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Instrument :

MSVOA\_Y

ClientSampleId :

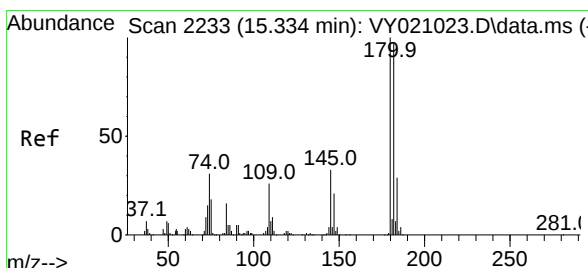
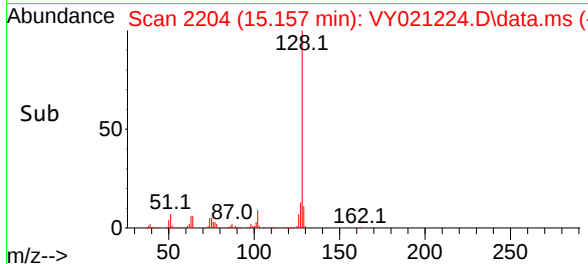
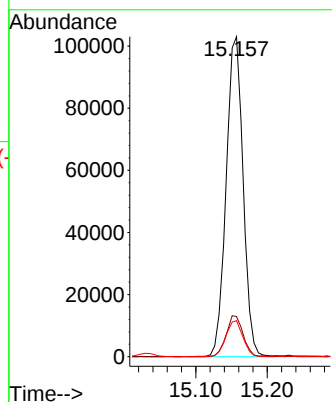
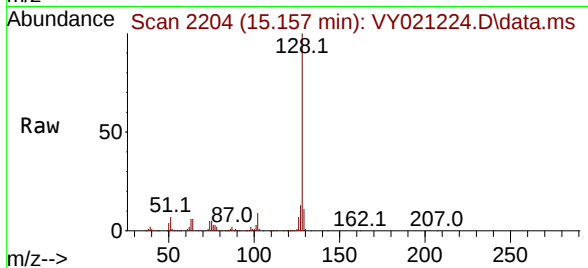
Tgt Ion:128 Resp: 169638

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.3 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 58.133 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY021224.D

Acq: 17 Feb 2025 16:34

Tgt Ion:180 Resp: 85414

Ion Ratio Lower Upper

180 100

182 95.0 46.3 138.8

145 32.8 16.1 48.2

