

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021025\  
 Data File : VY021153.D  
 Acq On : 10 Feb 2025 13:05  
 Operator : SY/MD  
 Sample : Q1168-03 4PPB  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 11 00:29:42 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      | 7.713  | 168  | 143783   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 228631   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 190868   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 89284    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 77841    | 52.839   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 105.680% |      |
| 35) Dibromofluoromethane    | 7.640  | 113   | 73766    | 50.345   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 100.680% |      |
| 50) Toluene-d8              | 10.109 | 98    | 278151   | 49.864   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 99.720%  |      |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 90051    | 49.414   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 98.820%  |      |

|                              |       |     |       |        |        |     |
|------------------------------|-------|-----|-------|--------|--------|-----|
| Target Compounds             |       |     |       | Qvalue |        |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 5495  | 4.288  | ug/l   | 89  |
| 3) Chloromethane             | 2.074 | 50  | 4850  | 3.835  | ug/l   | 93  |
| 4) Vinyl Chloride            | 2.208 | 62  | 4869  | 3.825  | ug/l   | 89  |
| 5) Bromomethane              | 2.598 | 94  | 3398  | 4.319  | ug/l   | 83  |
| 6) Chloroethane              | 2.739 | 64  | 2967  | 3.916  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 3.068 | 101 | 9759  | 4.209  | ug/l   | 94  |
| 8) Diethyl Ether             | 3.458 | 74  | 3038  | 4.197  | ug/l   | 88  |
| 9) 1,1,2-Trichlorotrifluo... | 3.824 | 101 | 6339  | 4.356  | ug/l # | 84  |
| 10) Methyl Iodide            | 4.019 | 142 | 5671  | 3.507  | ug/l   | 92  |
| 11) Tert butyl alcohol       | 4.854 | 59  | 2368  | 23.720 | ug/l # | 75  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 5377  | 3.922  | ug/l   | 85  |
| 13) Acrolein                 | 3.653 | 56  | 3062  | 19.918 | ug/l   | 99  |
| 14) Allyl chloride           | 4.397 | 41  | 9303  | 4.026  | ug/l   | 93  |
| 15) Acrylonitrile            | 5.068 | 53  | 6479  | 21.493 | ug/l   | 97  |
| 16) Acetone                  | 3.873 | 43  | 5673  | 24.693 | ug/l   | 96  |
| 17) Carbon Disulfide         | 4.110 | 76  | 14881 | 3.462  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.391 | 43  | 3769  | 4.673  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 14742 | 4.254  | ug/l   | 95  |
| 20) Methylene Chloride       | 4.629 | 84  | 6293  | 4.406  | ug/l   | 93  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 6037  | 4.000  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.025 | 45  | 19481 | 4.091  | ug/l   | 96  |
| 23) Vinyl Acetate            | 5.964 | 43  | 49879 | 18.788 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 11572 | 4.147  | ug/l   | 99  |
| 25) 2-Butanone               | 6.903 | 43  | 8423  | 22.311 | ug/l   | 90  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 10937 | 4.236  | ug/l # | 75  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 7161  | 4.123  | ug/l   | 92  |
| 28) Bromochloromethane       | 7.256 | 49  | 5252  | 4.760  | ug/l # | 97  |
| 29) Tetrahydrofuran          | 7.268 | 42  | 5704  | 22.329 | ug/l   | 90  |
| 30) Chloroform               | 7.433 | 83  | 12451 | 4.344  | ug/l   | 98  |
| 31) Cyclohexane              | 7.707 | 56  | 12221 | 4.864  | ug/l # | 84  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 11900 | 4.466  | ug/l   | 97  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 8651  | 3.986  | ug/l   | 97  |
| 37) Ethyl Acetate            | 6.994 | 43  | 4098  | 4.304  | ug/l # | 77  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 10867 | 4.285  | ug/l   | 93  |
| 39) Methylcyclohexane        | 9.110 | 83  | 10698 | 4.030  | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 25558 | 4.013  | ug/l   | 99  |

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 Sample : Q1168-03 4PPB  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 11 00:29:42 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         | 7.220  | 41   | 1797     | 3.263   | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 7307     | 4.136   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 7561     | 3.997   | ug/l   | 98       |
| 44) Trichloroethene           | 8.872  | 130  | 6572     | 3.994   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 6498     | 4.299   | ug/l   | 99       |
| 46) Dibromomethane            | 9.238  | 93   | 3364     | 4.019   | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.427  | 83   | 9737     | 4.338   | ug/l   | 89       |
| 48) Methyl methacrylate       | 9.225  | 41   | 3574     | 4.148   | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.238  | 88   | 630      | 80.856  | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 18918    | 19.886  | ug/l   | 96       |
| 52) Toluene                   | 10.176 | 92   | 16149    | 4.038   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 7882     | 3.911   | ug/l   | 93       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 9149     | 3.834   | ug/l # | 79       |
| 55) 1,1,2-Trichloroethane     | 10.579 | 97   | 4848     | 4.473   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 5147     | 3.550   | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.725 | 76   | 7674     | 4.091   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.719  | 63   | 12616    | 18.289  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.768 | 43   | 11587    | 18.917  | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.914 | 129  | 6156     | 4.044   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 4175     | 4.112   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.652 | 164  | 5898     | 4.163   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.444 | 112  | 17296    | 4.070   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 6234     | 4.128   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.524 | 91   | 29976    | 3.988   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 22062    | 7.845   | ug/l   | 98       |
| 69) o-Xylene                  | 11.957 | 106  | 10184    | 3.884   | ug/l   | 97       |
| 70) Styrene                   | 11.975 | 104  | 16726    | 3.828   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 3669     | 4.364   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 27512    | 3.945   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.078 | 43   | 5423     | 3.557   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 5043     | 4.348   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 6592     | 8.139   | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 6579     | 4.088   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.597 | 91   | 34178    | 4.114   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 19456    | 4.089   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 22718    | 4.018   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75   | 49361    | 124.359 | ug/l # | 12       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 19007    | 3.920   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 20156    | 3.922   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 21259    | 3.845   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 29569    | 3.997   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 23920    | 3.892   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 12963    | 4.171   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 12708    | 4.153   | ug/l   | 90       |
| 89) n-Butylbenzene            | 13.621 | 91   | 21289    | 3.797   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 5521     | 4.306   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 11037    | 4.092   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 717      | 4.137   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.926 | 180  | 5413     | 3.605   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 4048     | 4.069   | ug/l   | 96       |
| 95) Naphthalene               | 15.151 | 128  | 8050     | 3.351   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 4694     | 3.757   | ug/l   | 97       |

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Sample : Q1168-03 4PPB  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

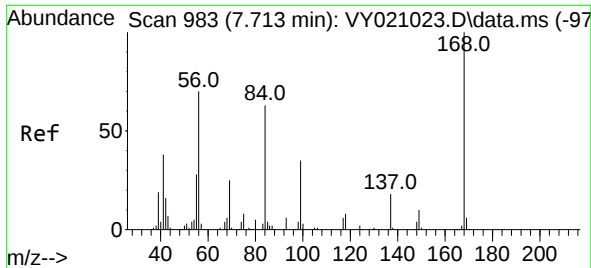
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y020325S.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 03 13:08:38 2025  
Response via : Initial Calibration

| 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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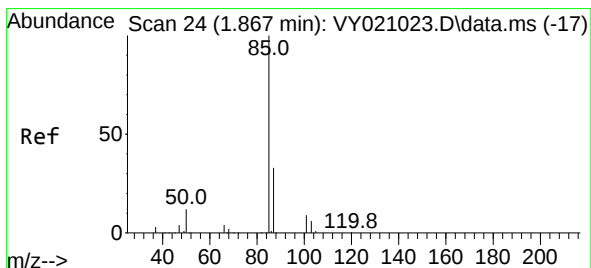
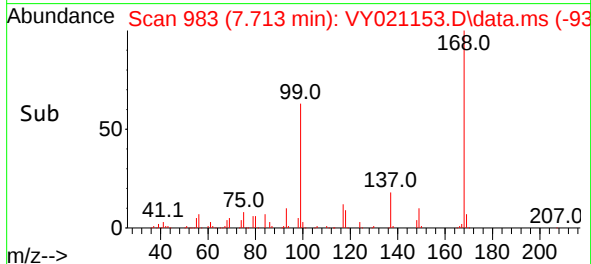
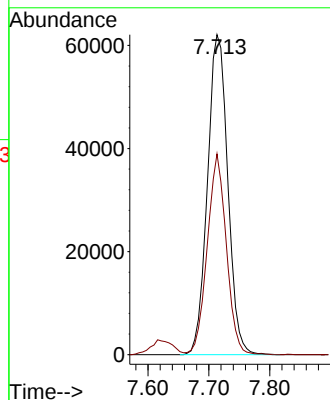
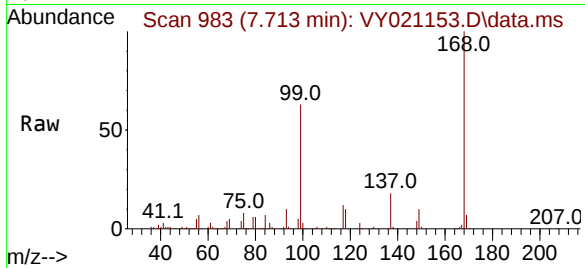




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

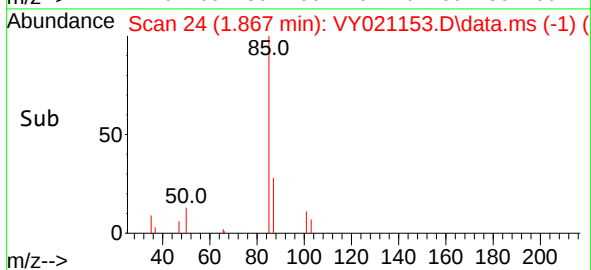
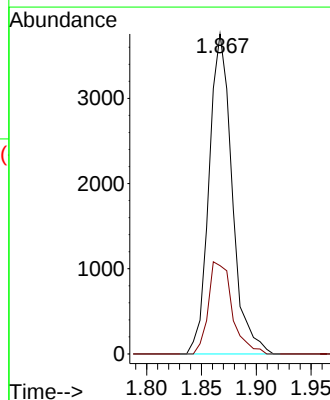
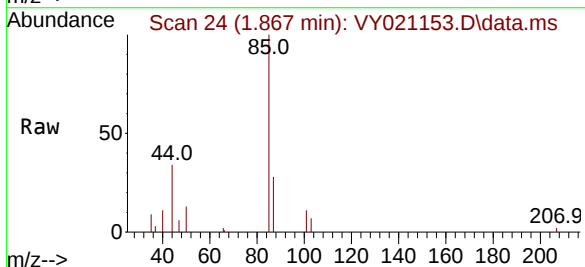
Instrument :  
MSVOA\_Y  
ClientSampleId :

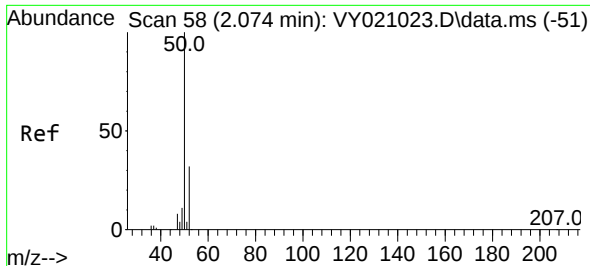
Tgt Ion:168 Resp: 143783  
Ion Ratio Lower Upper  
168 100  
99 62.8 44.2 66.4



#2  
Dichlorodifluoromethane  
Concen: 4.288 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 85 Resp: 5495  
Ion Ratio Lower Upper  
85 100  
87 27.6 17.1 51.3

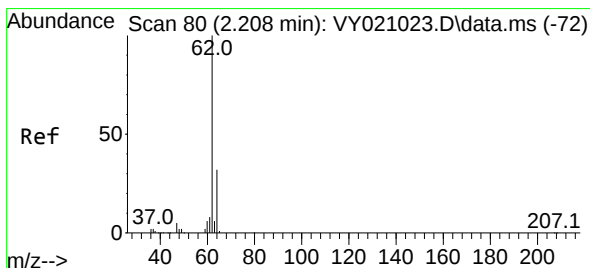
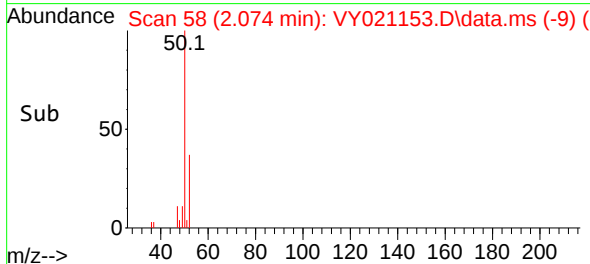
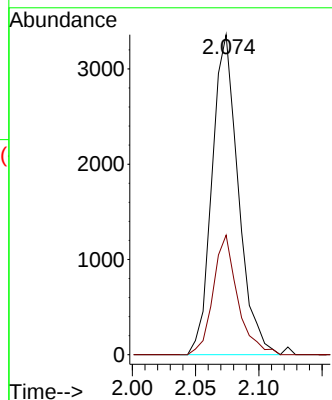
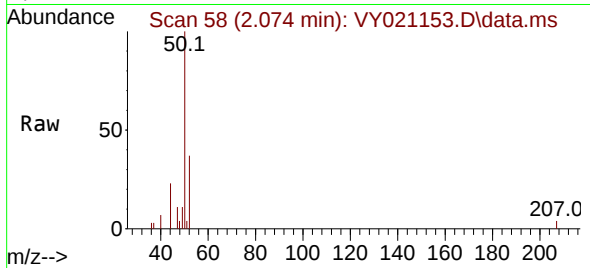




#3  
Chloromethane  
Concen: 3.835 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

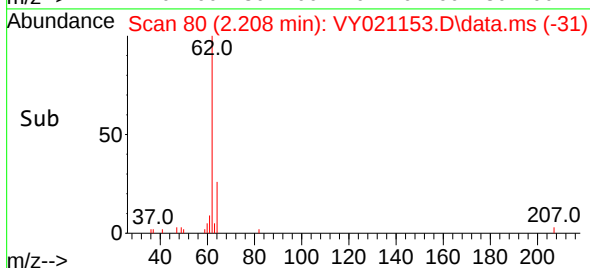
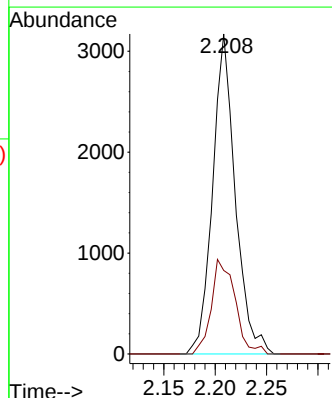
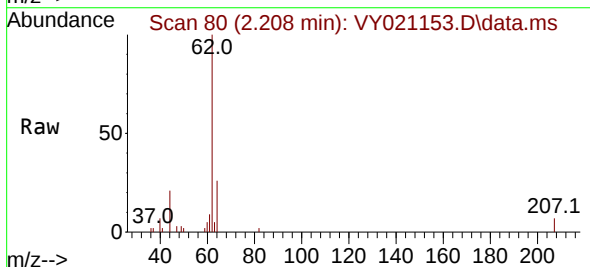
Instrument :  
MSVOA\_Y  
ClientSampleId :

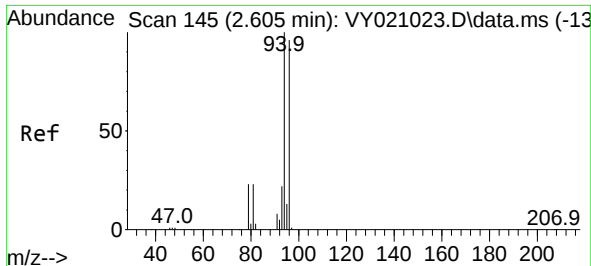
Tgt Ion: 50 Resp: 4850  
Ion Ratio Lower Upper  
50 100  
52 37.4 26.7 40.1



#4  
Vinyl Chloride  
Concen: 3.825 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

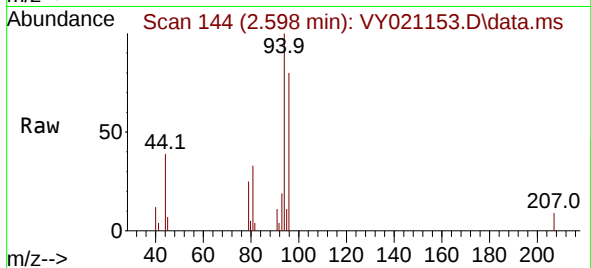
Tgt Ion: 62 Resp: 4869  
Ion Ratio Lower Upper  
62 100  
64 26.1 25.7 38.5



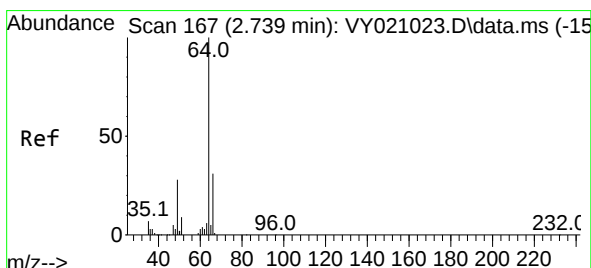
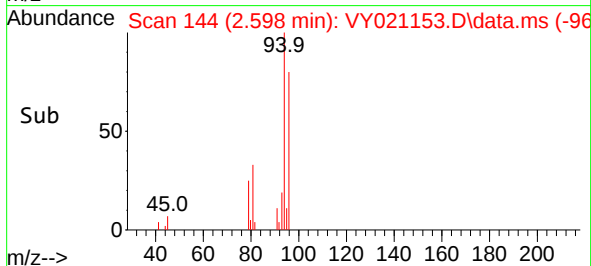
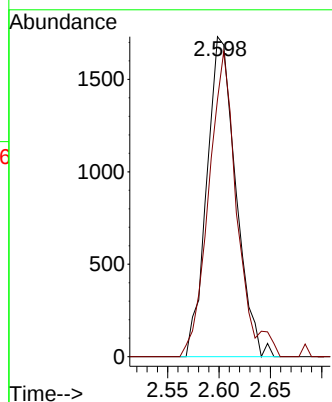


#5  
Bromomethane  
Concen: 4.319 ug/l  
RT: 2.598 min Scan# 145  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

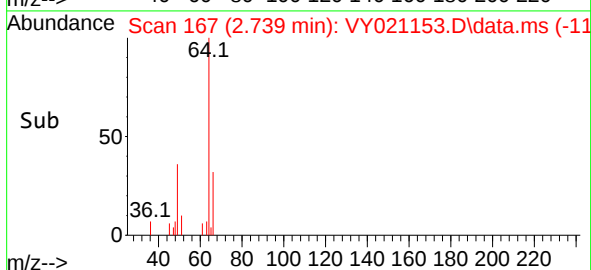
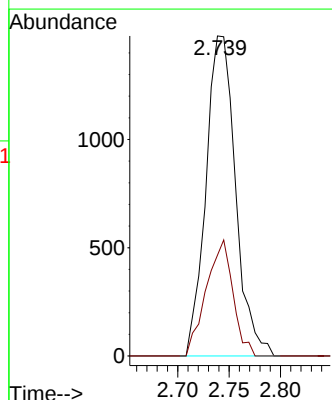
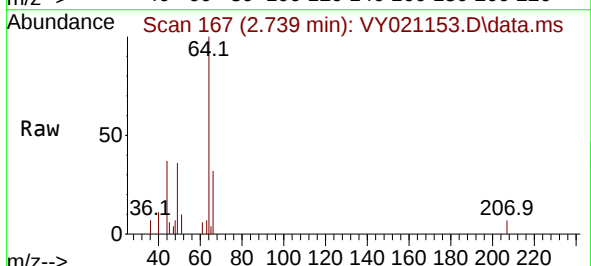


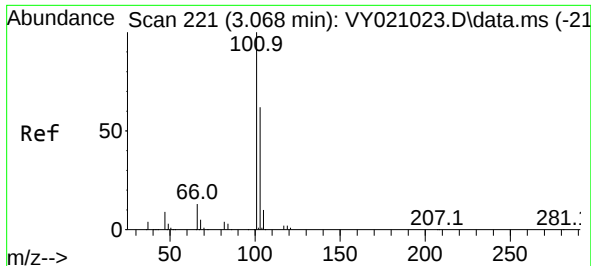
Tgt Ion: 94 Resp: 3398  
Ion Ratio Lower Upper  
94 100  
96 80.4 77.3 115.9



#6  
Chloroethane  
Concen: 3.916 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 64 Resp: 2967  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.1 37.7

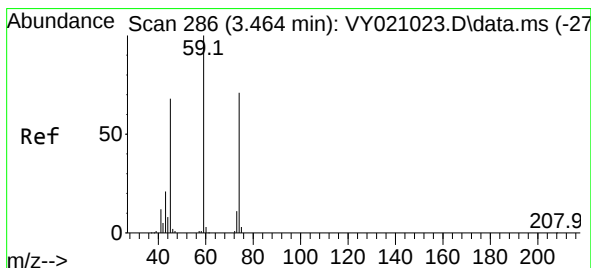
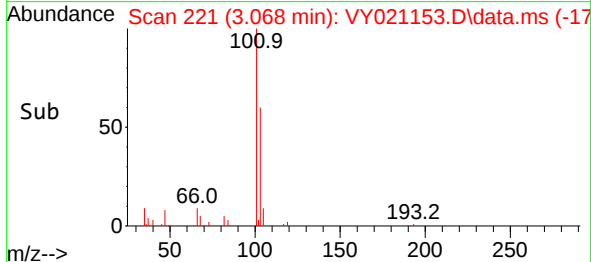
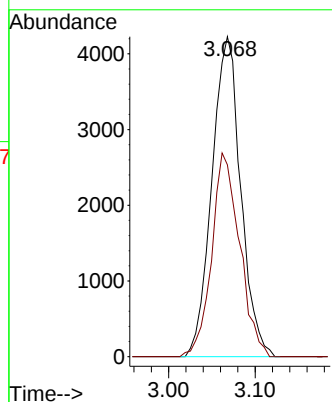
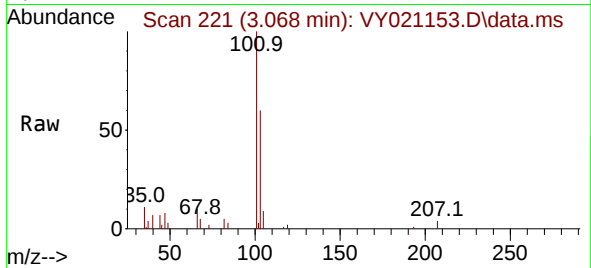




#7  
Trichlorofluoromethane  
Concen: 4.209 ug/l  
RT: 3.068 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

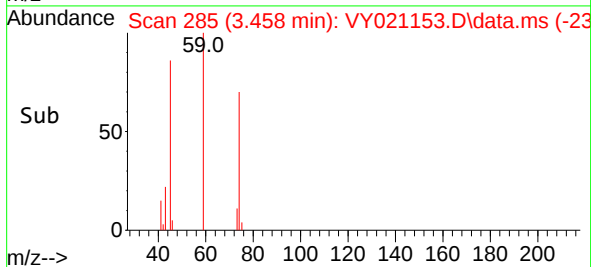
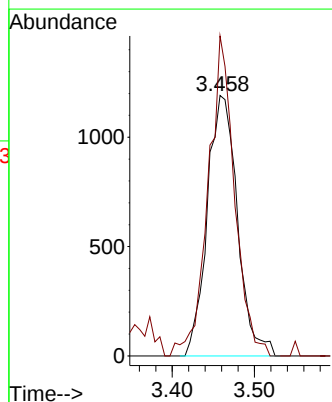
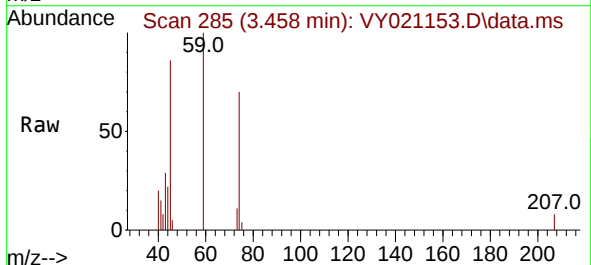
Instrument :  
MSVOA\_Y  
ClientSampleId :

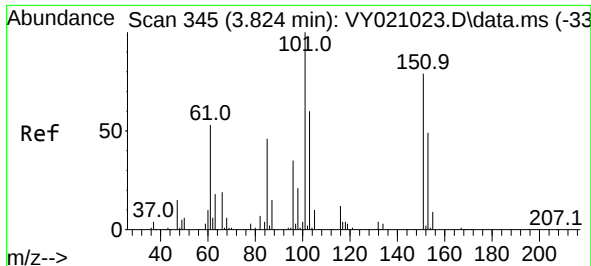
Tgt Ion:101 Resp: 9759  
Ion Ratio Lower Upper  
101 100  
103 60.0 51.9 77.9



#8  
Diethyl Ether  
Concen: 4.197 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 74 Resp: 3038  
Ion Ratio Lower Upper  
74 100  
45 107.4 47.9 143.7

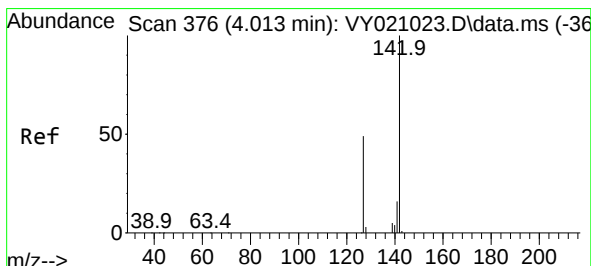
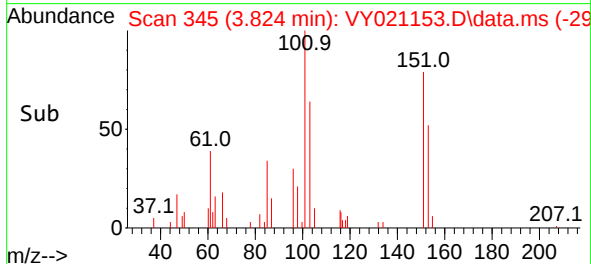
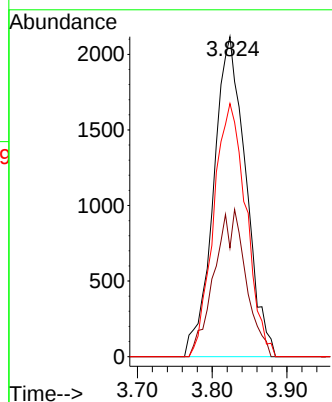
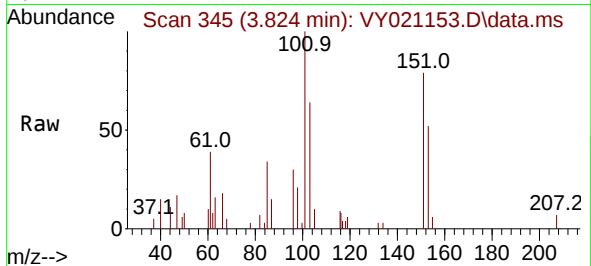




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.356 ug/l  
RT: 3.824 min Scan# 345  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

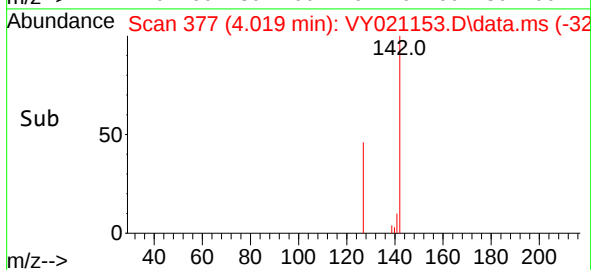
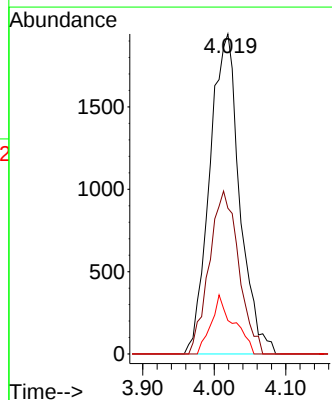
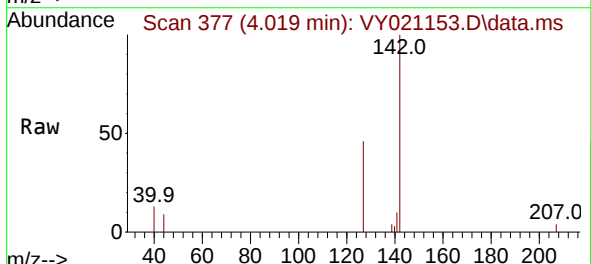
Instrument :  
MSVOA\_Y  
ClientSampleId :

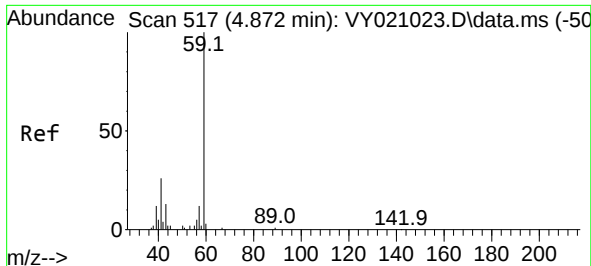
Tgt Ion:101 Resp: 6339  
Ion Ratio Lower Upper  
101 100  
85 24.7 35.8 53.6#  
151 79.9 58.6 88.0



#10  
Methyl Iodide  
Concen: 3.507 ug/l  
RT: 4.019 min Scan# 377  
Delta R.T. 0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:142 Resp: 5671  
Ion Ratio Lower Upper  
142 100  
127 50.0 35.1 52.7  
141 13.9 11.8 17.6

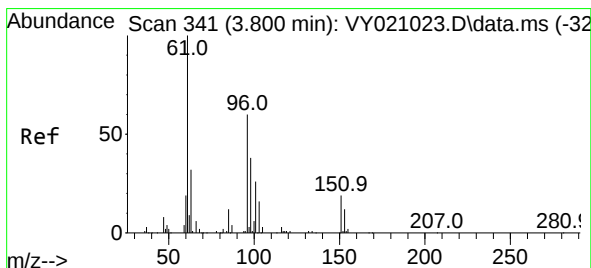
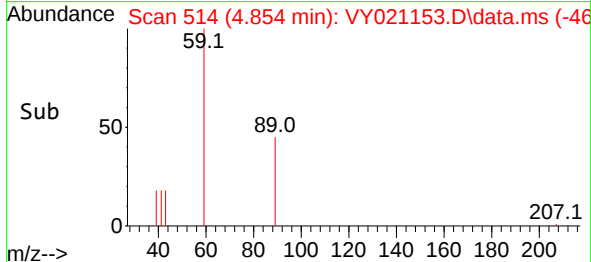
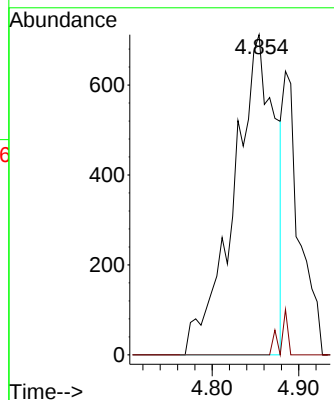
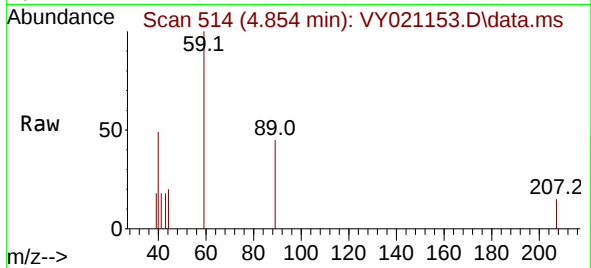




#11  
Tert butyl alcohol  
Concen: 23.720 ug/l  
RT: 4.854 min Scan# 517  
Delta R.T. -0.018 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

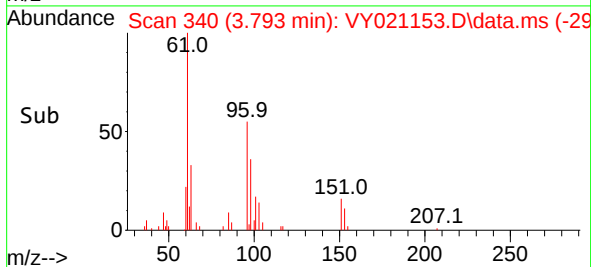
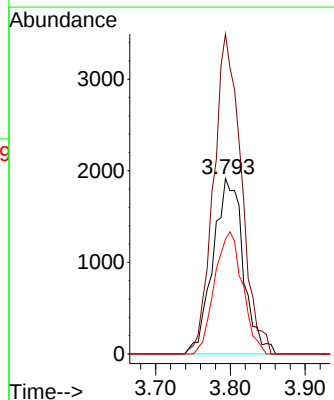
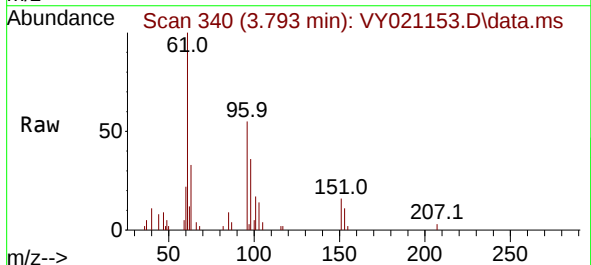
Instrument :  
MSVOA\_Y  
ClientSampleId :

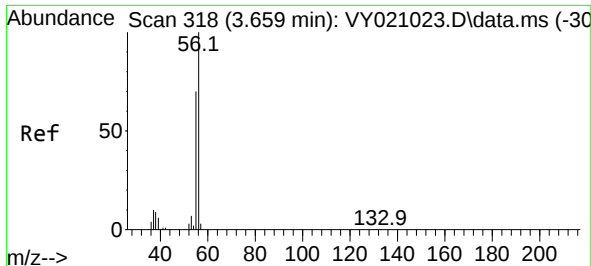
Tgt Ion: 59 Resp: 2368  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#



#12  
1,1-Dichloroethene  
Concen: 3.922 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

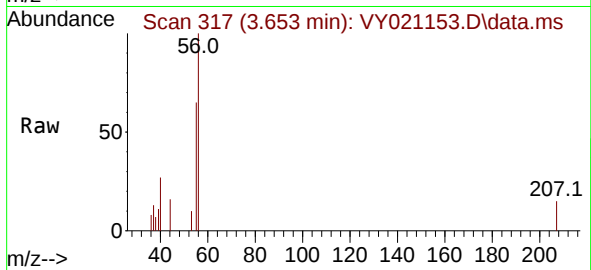
Tgt Ion: 96 Resp: 5377  
Ion Ratio Lower Upper  
96 100  
61 182.4 124.2 186.2  
98 65.4 52.6 79.0



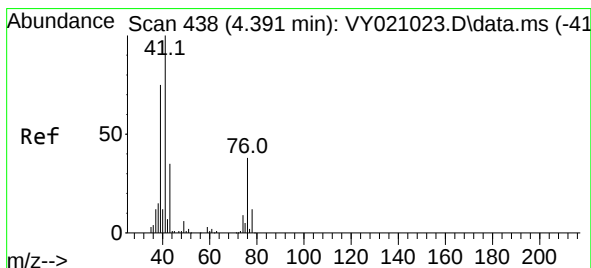
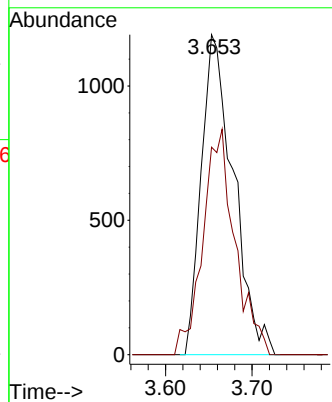
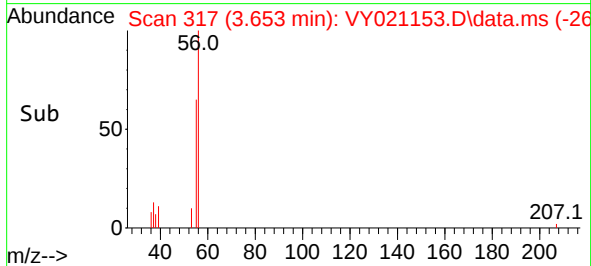


#13  
Acrolein  
Concen: 19.918 ug/l  
RT: 3.653 min Scan# 317  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

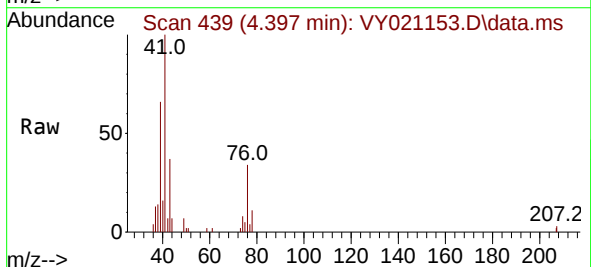
Instrument :  
MSVOA\_Y  
ClientSampleId :



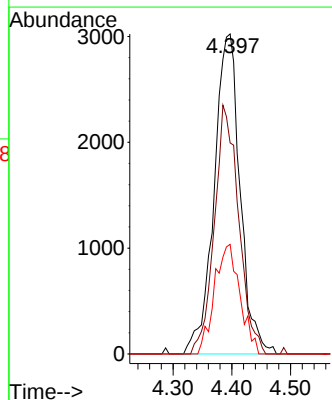
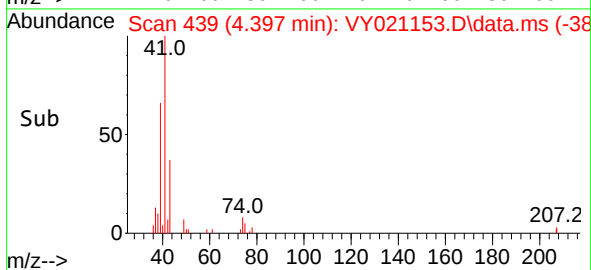
Tgt Ion: 56 Resp: 3062  
Ion Ratio Lower Upper  
56 100  
55 70.2 55.4 83.0

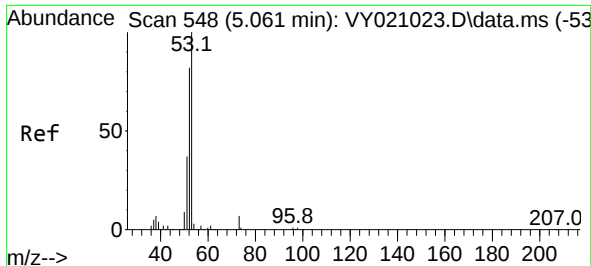


#14  
Allyl chloride  
Concen: 4.026 ug/l  
RT: 4.397 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05



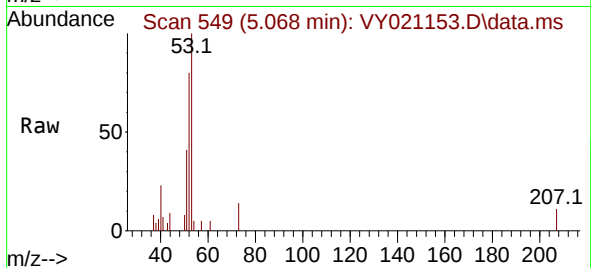
Tgt Ion: 41 Resp: 9303  
Ion Ratio Lower Upper  
41 100  
39 72.7 54.7 82.1  
76 33.3 31.8 47.6



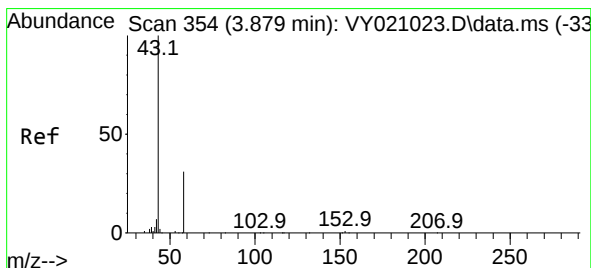
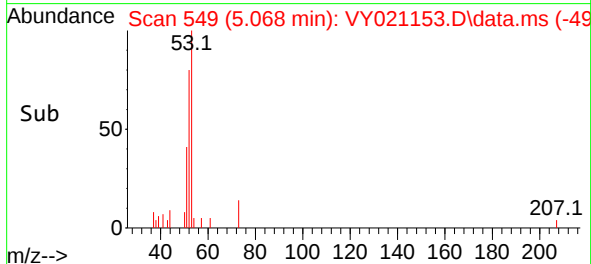
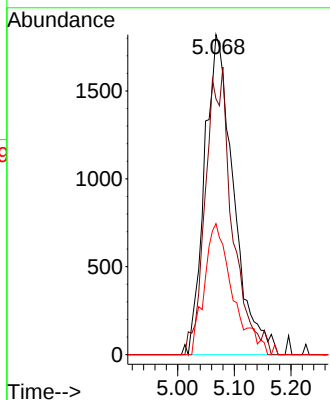


#15  
Acrylonitrile  
Concen: 21.493 ug/l  
RT: 5.068 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

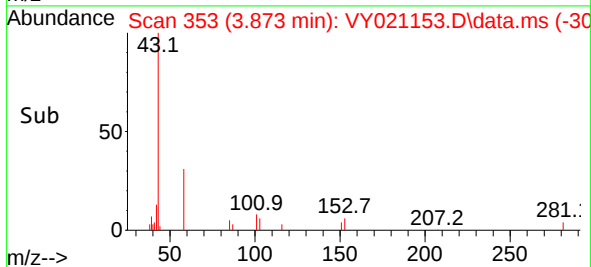
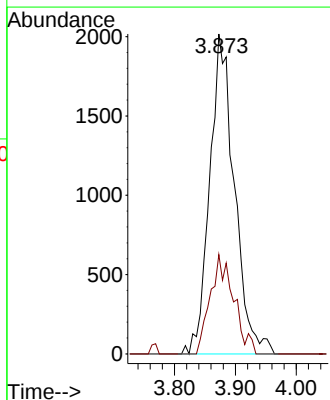
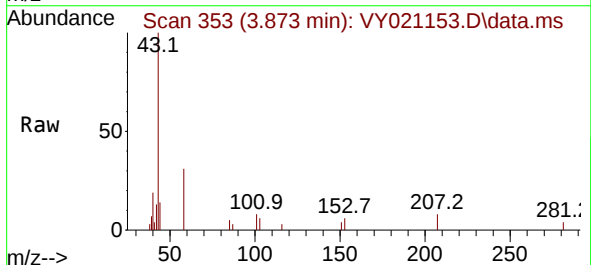


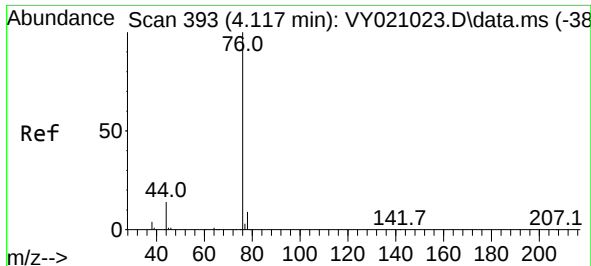
Tgt Ion: 53 Resp: 6479  
Ion Ratio Lower Upper  
53 100  
52 82.7 65.1 97.7  
51 39.8 29.0 43.4



#16  
Acetone  
Concen: 24.693 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 43 Resp: 5673  
Ion Ratio Lower Upper  
43 100  
58 31.0 26.6 39.8

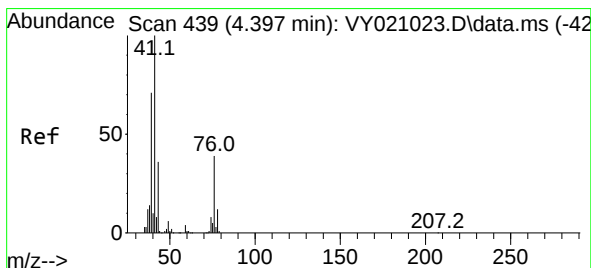
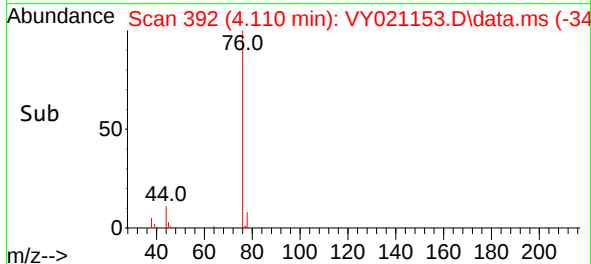
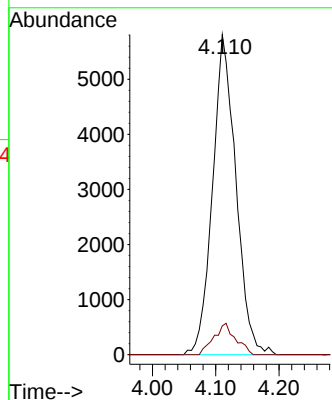
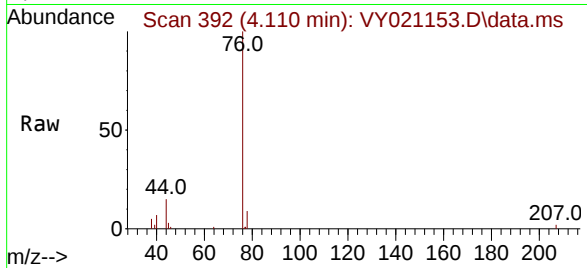




#17  
Carbon Disulfide  
Concen: 3.462 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

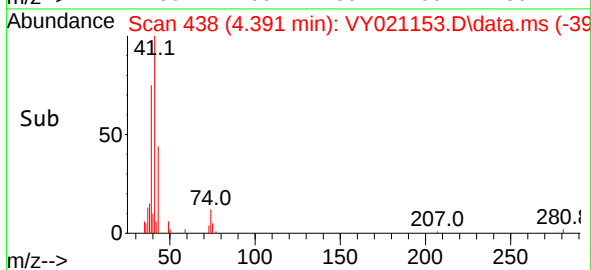
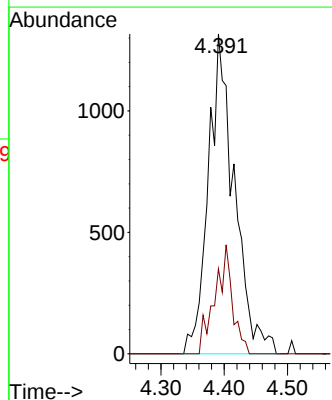
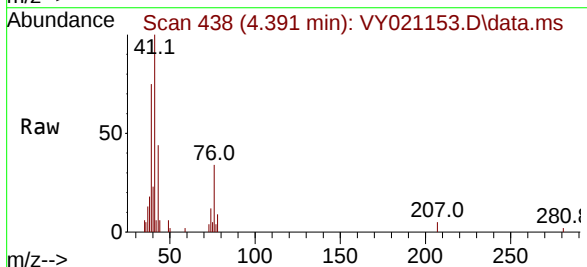
Instrument :  
MSVOA\_Y  
ClientSampleId :

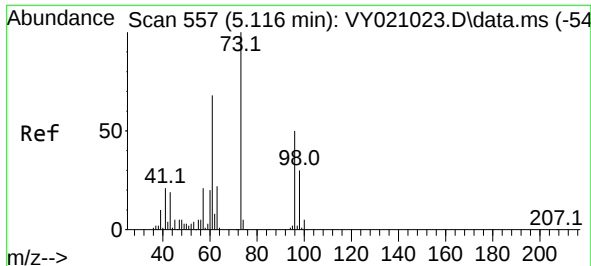
Tgt Ion: 76 Resp: 14881  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.4 11.0



#18  
Methyl Acetate  
Concen: 4.673 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 43 Resp: 3769  
Ion Ratio Lower Upper  
43 100  
74 22.9 19.8 29.6





#19

Methyl tert-butyl Ether

Concen: 4.254 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

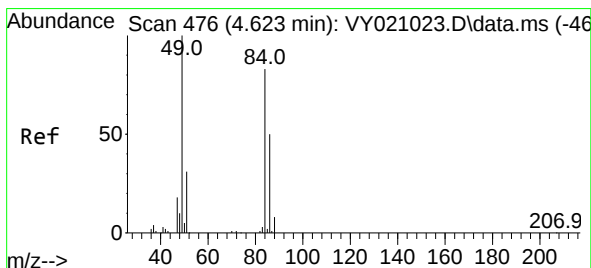
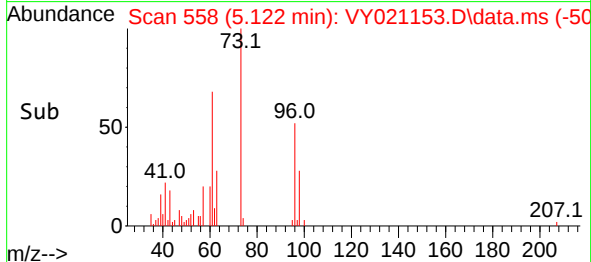
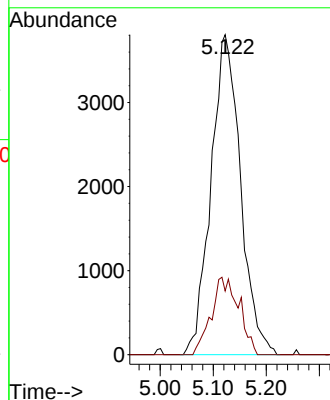
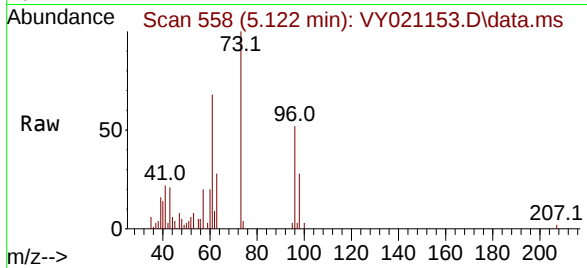
ClientSampleId :

Tgt Ion: 73 Resp: 14742

Ion Ratio Lower Upper

73 100

57 19.9 17.7 26.5



#20

Methylene Chloride

Concen: 4.406 ug/l

RT: 4.629 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion: 84 Resp: 6293

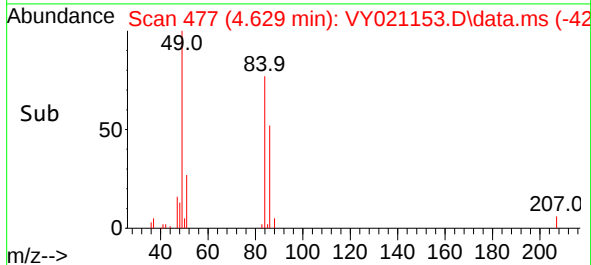
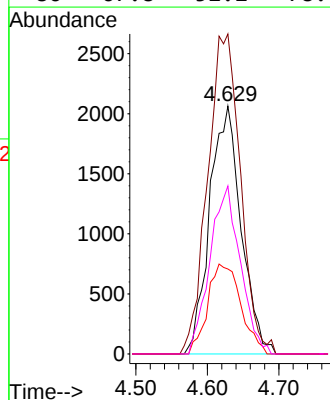
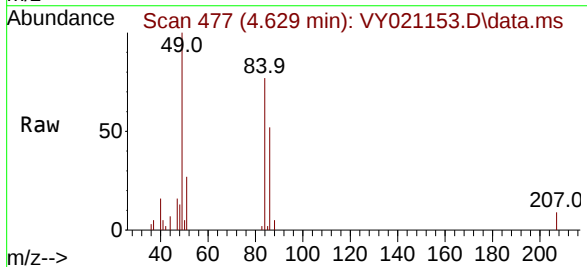
Ion Ratio Lower Upper

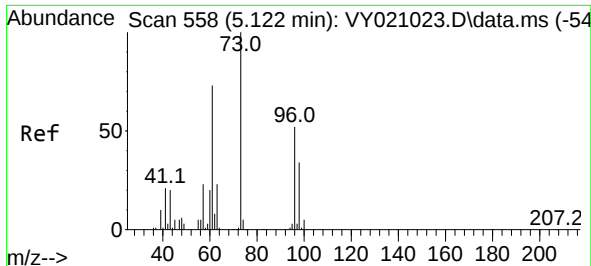
84 100

49 129.1 95.2 142.8

51 34.3 29.9 44.9

86 67.8 52.2 78.4

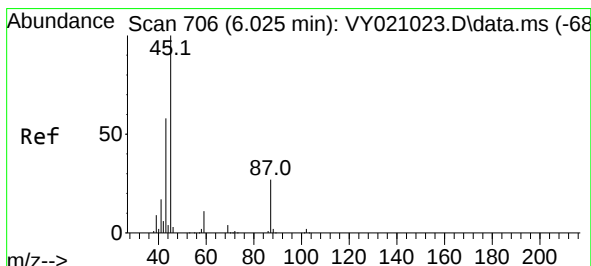
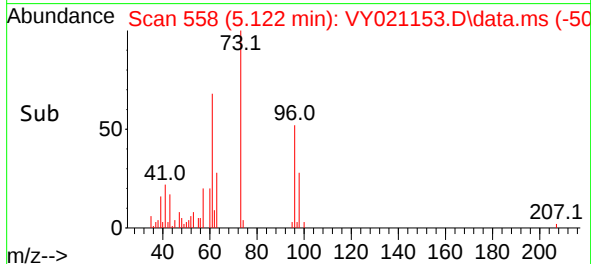
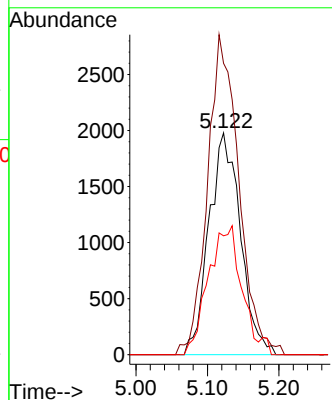
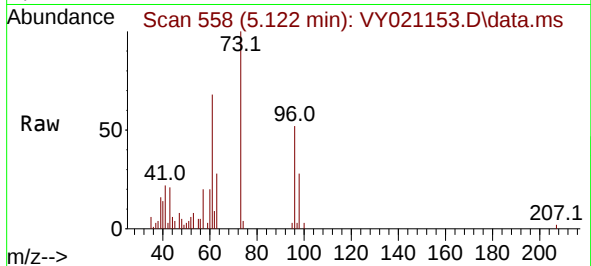




#21  
trans-1,2-Dichloroethene  
Concen: 4.000 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

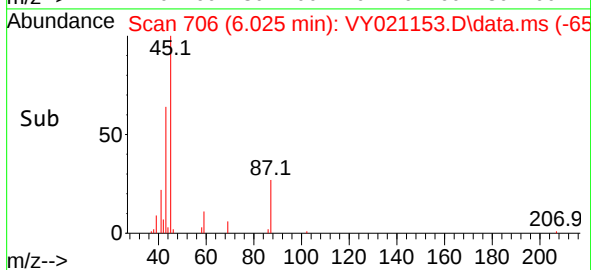
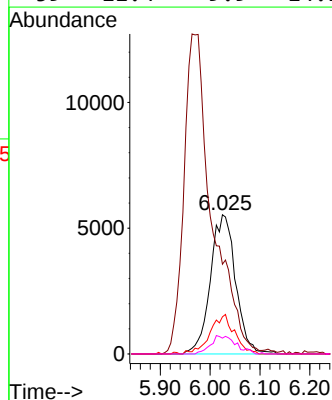
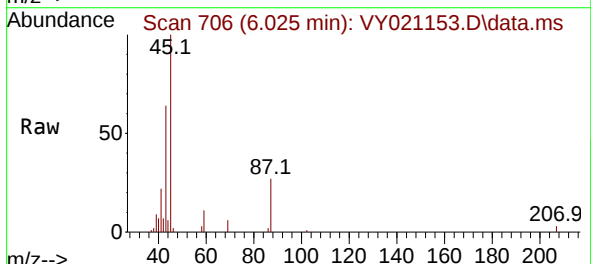
Instrument :  
MSVOA\_Y  
ClientSampleId :

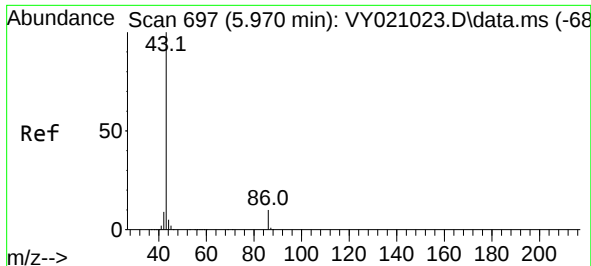
Tgt Ion: 96 Resp: 6037  
Ion Ratio Lower Upper  
96 100  
61 127.2 104.6 156.8  
98 53.6 50.9 76.3



#22  
Diisopropyl ether  
Concen: 4.091 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 45 Resp: 19481  
Ion Ratio Lower Upper  
45 100  
43 62.8 46.8 70.2  
87 26.6 22.2 33.2  
59 11.4 9.9 14.9

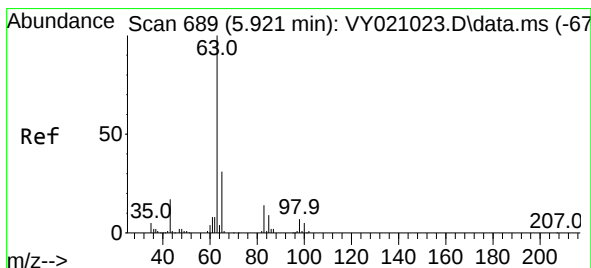
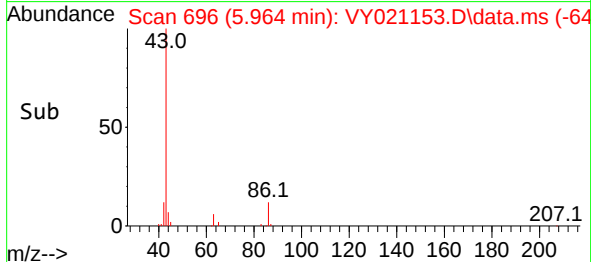
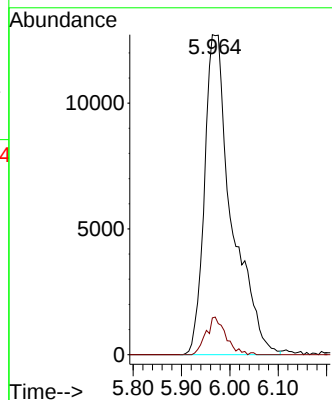
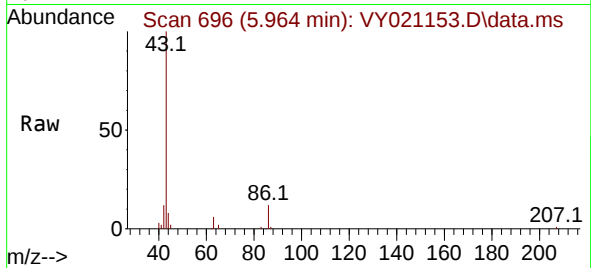




#23  
 Vinyl Acetate  
 Concen: 18.788 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. -0.006 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

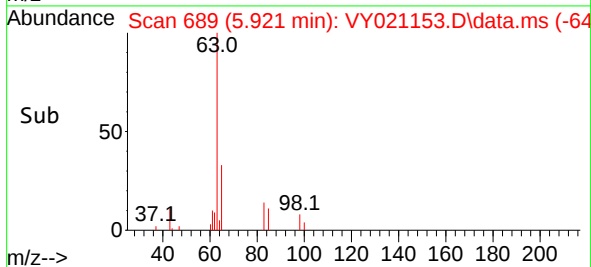
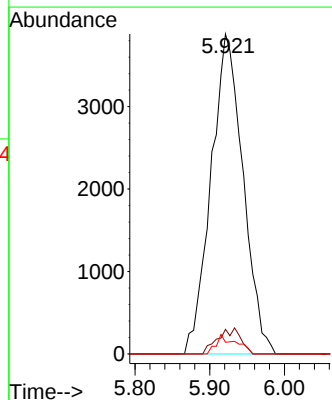
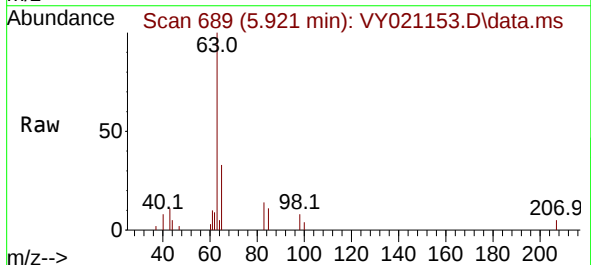
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

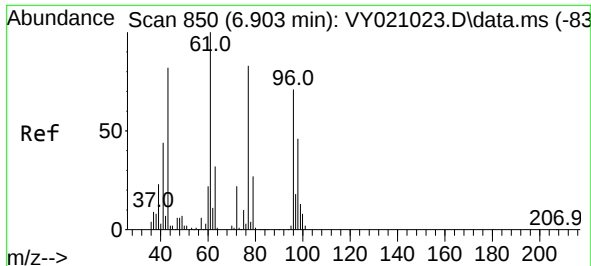
Tgt Ion: 43 Resp: 49879  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 8.6 13.0



#24  
 1,1-Dichloroethane  
 Concen: 4.147 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. -0.000 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

Tgt Ion: 63 Resp: 11572  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.8 11.4  
 100 3.7 2.1 6.2

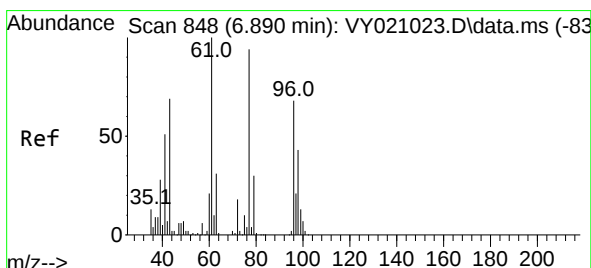
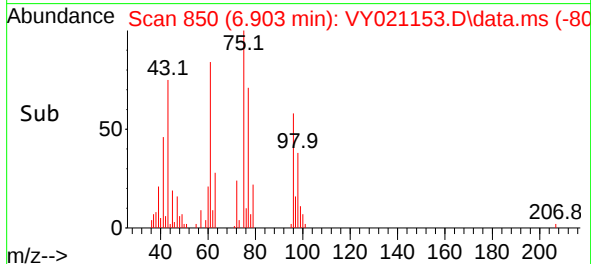
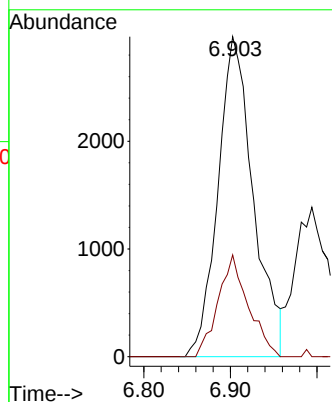
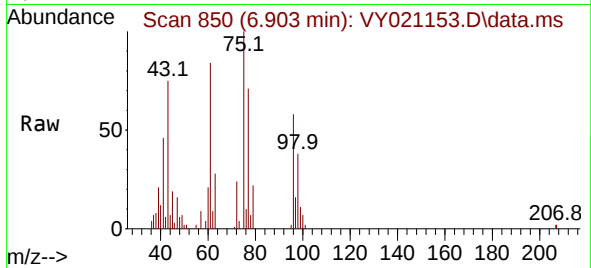




#25  
2-Butanone  
Concen: 22.311 ug/l  
RT: 6.903 min Scan# 850  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

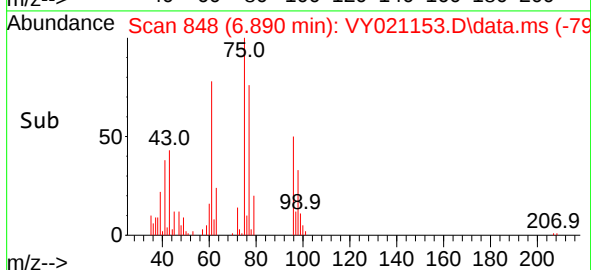
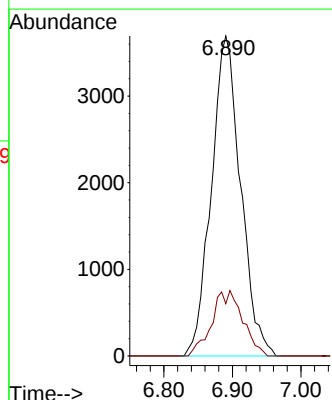
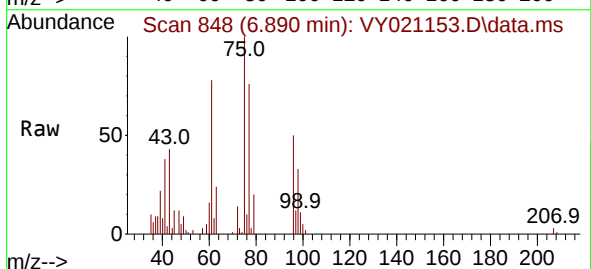
Instrument :  
MSVOA\_Y  
ClientSampleId :

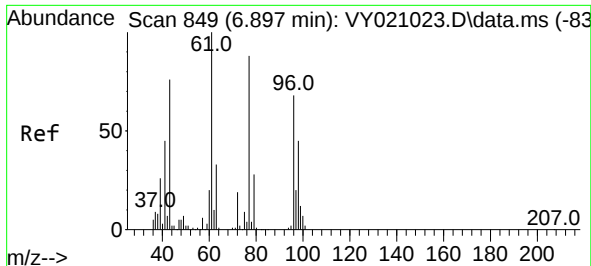
Tgt Ion: 43 Resp: 8423  
Ion Ratio Lower Upper  
43 100  
72 31.8 21.4 32.2



#26  
2,2-Dichloropropane  
Concen: 4.236 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 77 Resp: 10937  
Ion Ratio Lower Upper  
77 100  
97 11.0 11.7 35.0#





#27

cis-1,2-Dichloroethene

Concen: 4.123 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY021153.D

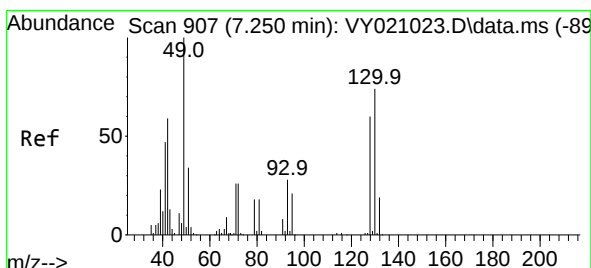
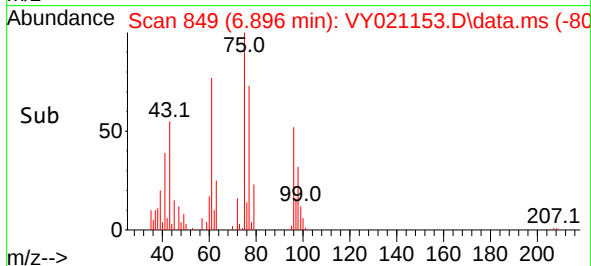
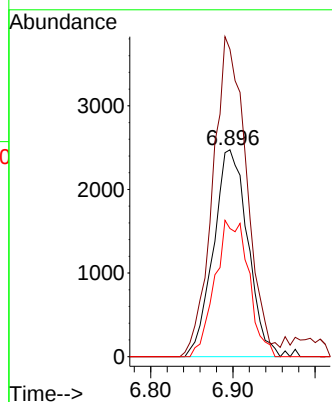
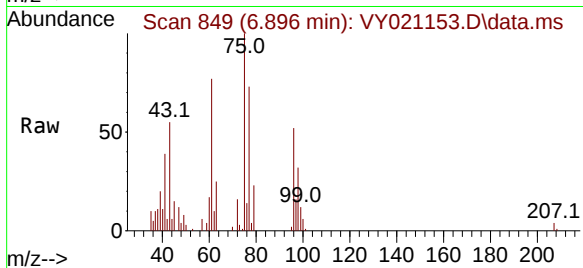
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 96 | Resp: | 7161      |
| Ion Ratio   | Lower | Upper     |
| 96          | 100   |           |
| 61          | 152.7 | 0.0 278.8 |
| 98          | 64.9  | 0.0 127.0 |



#28

Bromochloromethane

Concen: 4.760 ug/l

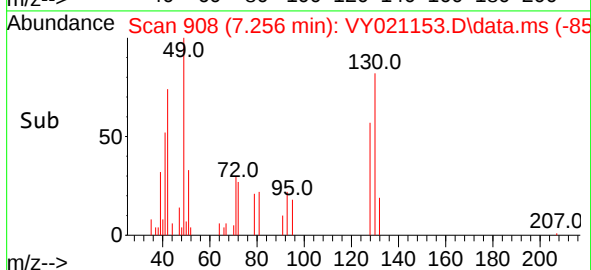
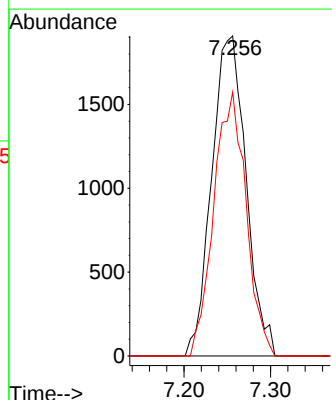
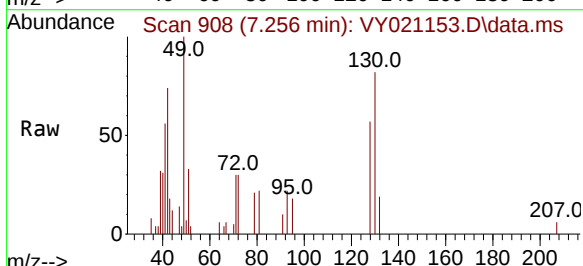
RT: 7.256 min Scan# 908

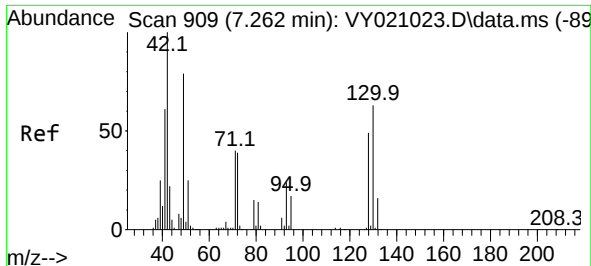
Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 49 | Resp: | 5252      |
| Ion Ratio   | Lower | Upper     |
| 49          | 100   |           |
| 129         | 0.0   | 0.0 3.8   |
| 130         | 77.4  | 59.8 89.8 |





#29

Tetrahydrofuran

Concen: 22.329 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021153.D

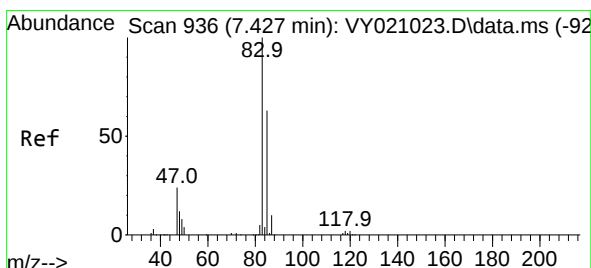
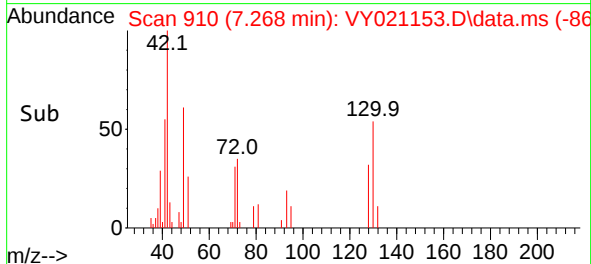
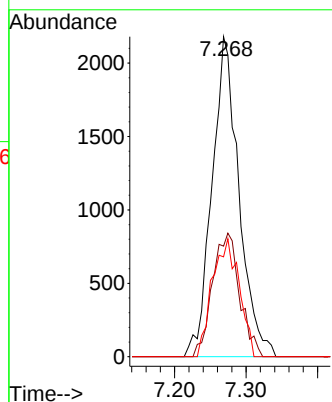
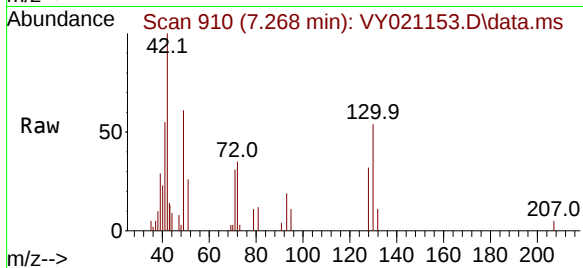
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 5704  |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 39.0  | 36.6  | 54.8  |
| 71       | 36.6  | 33.8  | 50.6  |



#30

Chloroform

Concen: 4.344 ug/l

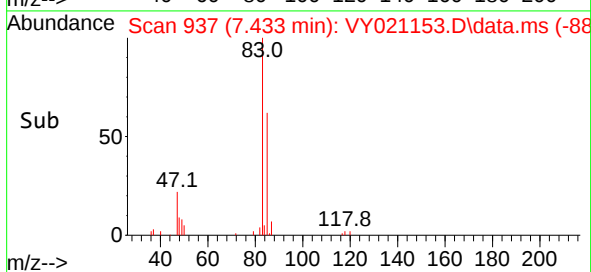
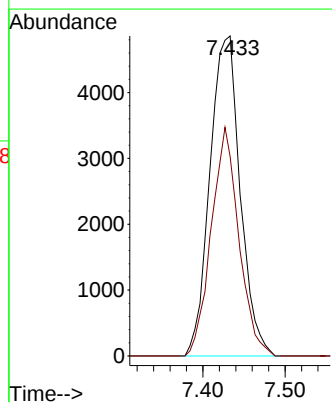
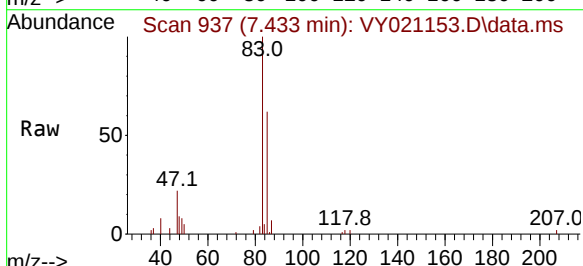
RT: 7.433 min Scan# 937

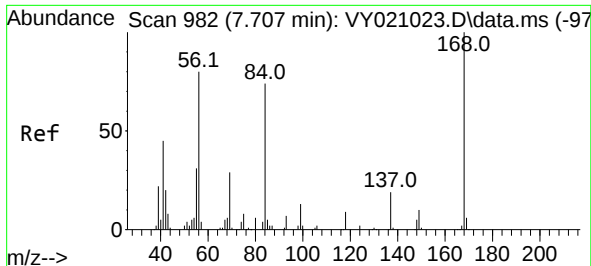
Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

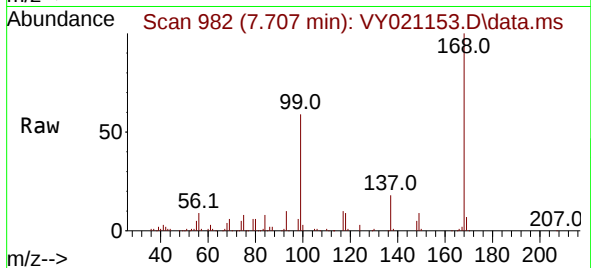
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12451 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.3  | 51.2  | 76.8  |



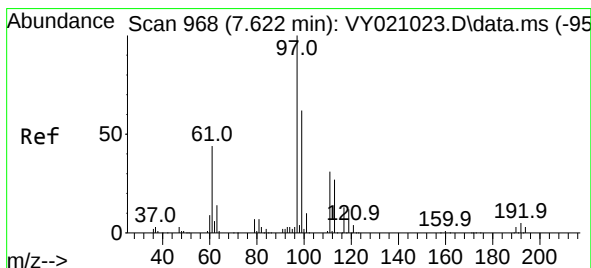
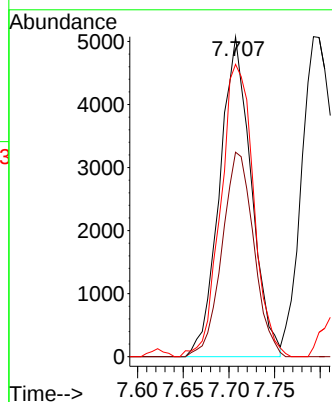
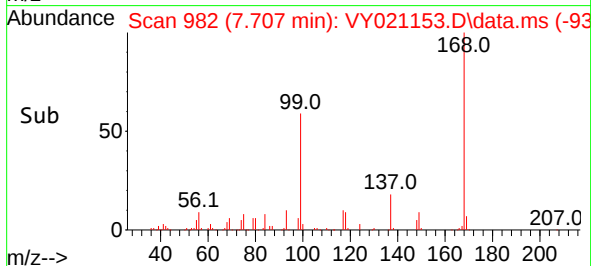


#31  
Cyclohexane  
Concen: 4.864 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

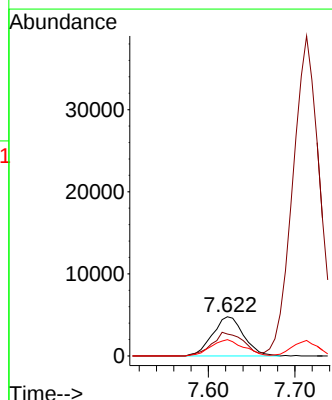
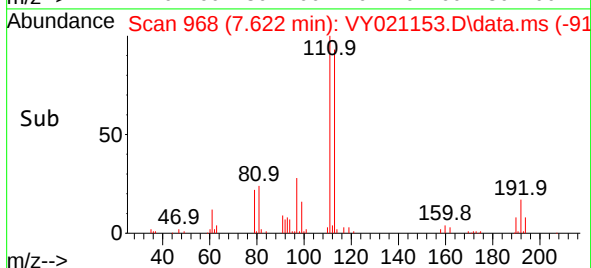
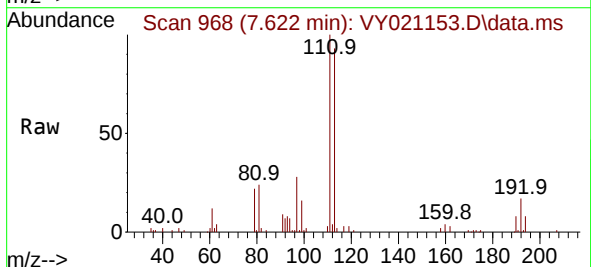


Tgt Ion: 56 Resp: 12221  
Ion Ratio Lower Upper  
56 100  
69 64.0 27.0 40.6#  
84 91.5 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 4.466 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 97 Resp: 11900  
Ion Ratio Lower Upper  
97 100  
99 60.6 51.2 76.8  
61 43.7 35.0 52.6





#33

1,2-Dichloroethane-d4

Concen: 52.839 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

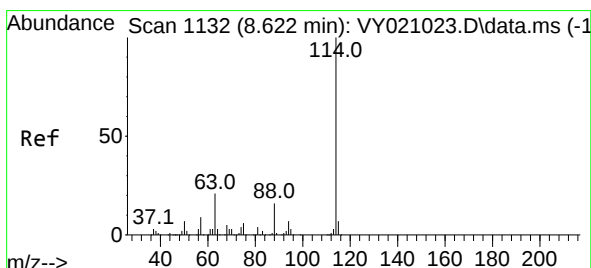
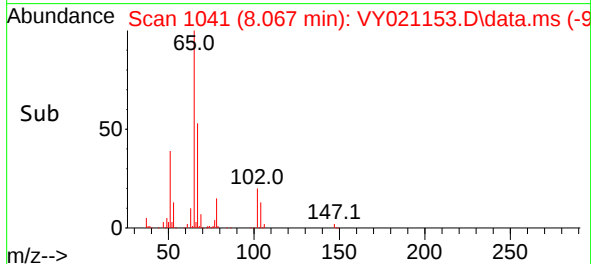
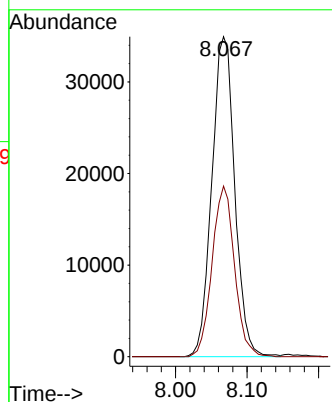
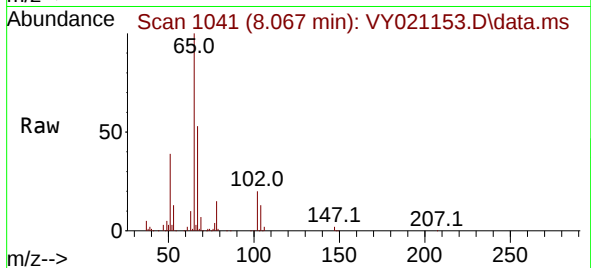
ClientSampleId :

Tgt Ion: 65 Resp: 77841

Ion Ratio Lower Upper

65 100

67 52.0 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: VY021153.D

Acq: 10 Feb 2025 13:05

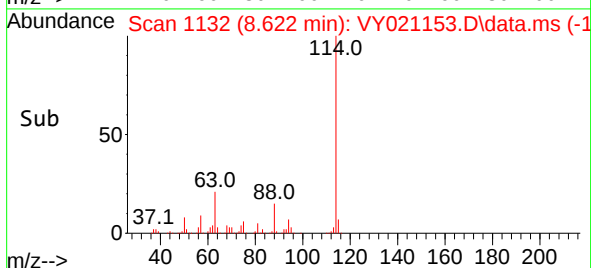
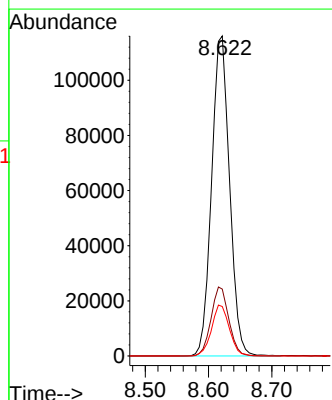
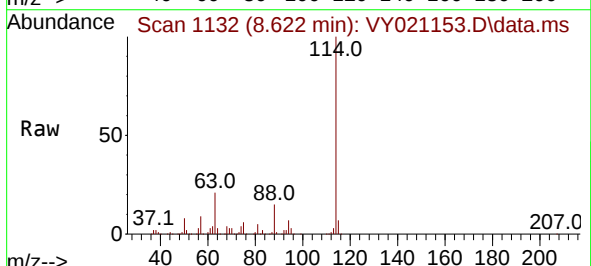
Tgt Ion: 114 Resp: 228631

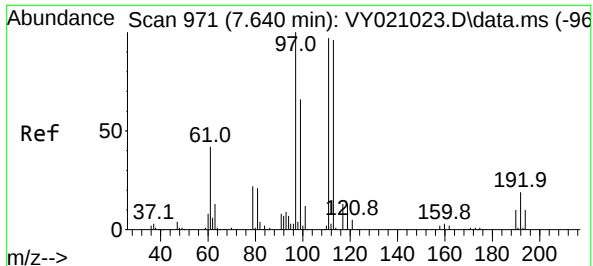
Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

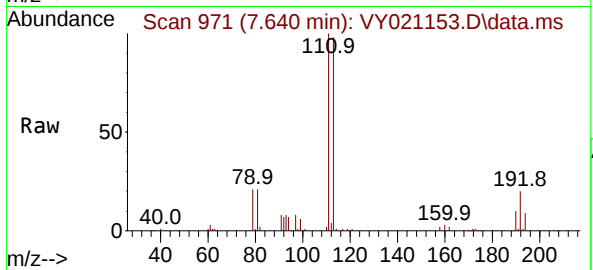
88 15.4 0.0 29.0



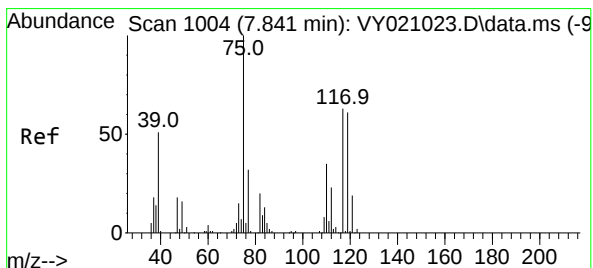
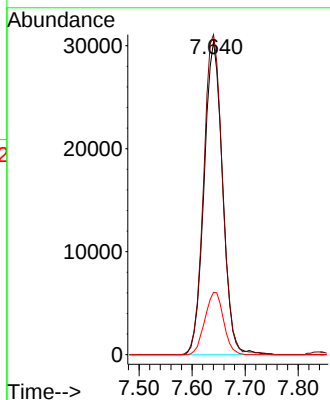
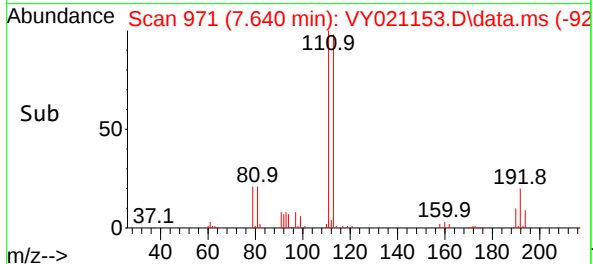


#35  
Dibromofluoromethane  
Concen: 50.345 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Instrument :  
MSVOA\_Y  
ClientSampleId :

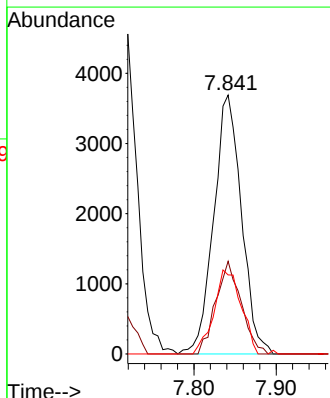
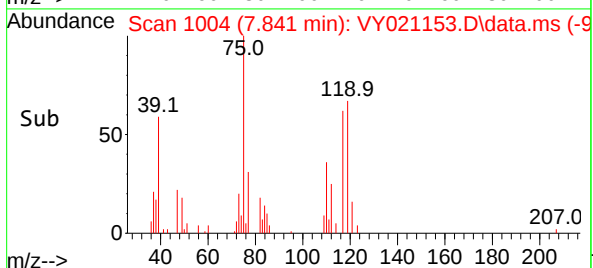
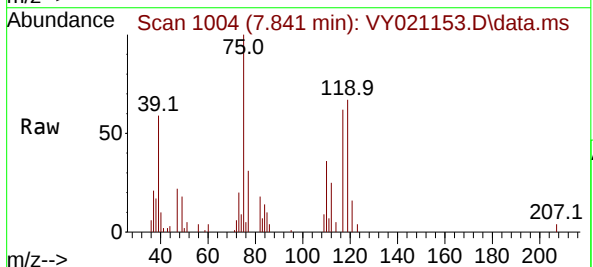


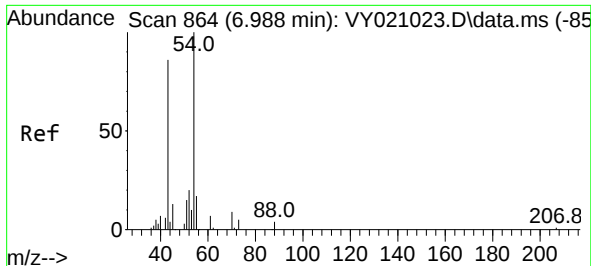
Tgt Ion:113 Resp: 73766  
Ion Ratio Lower Upper  
113 100  
111 103.8 83.8 125.6  
192 20.1 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 3.986 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 8651  
Ion Ratio Lower Upper  
75 100  
110 32.7 17.4 52.3  
77 31.8 24.7 37.1





#37

Ethyl Acetate

Concen: 4.304 ug/l

RT: 6.994 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

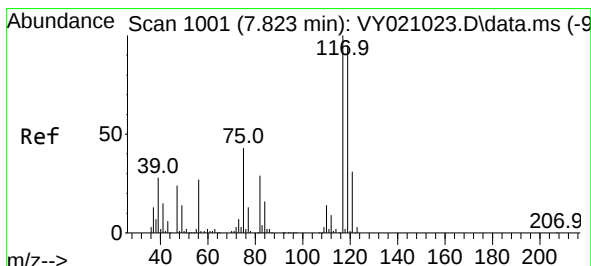
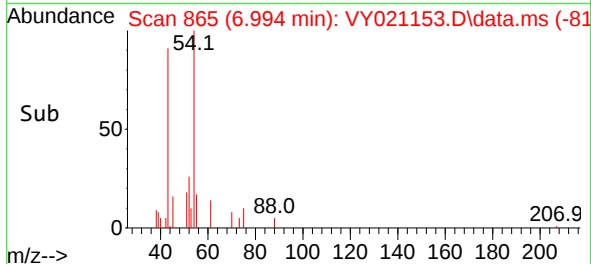
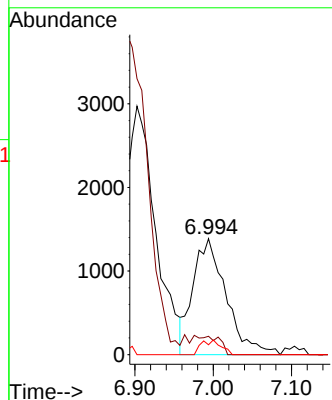
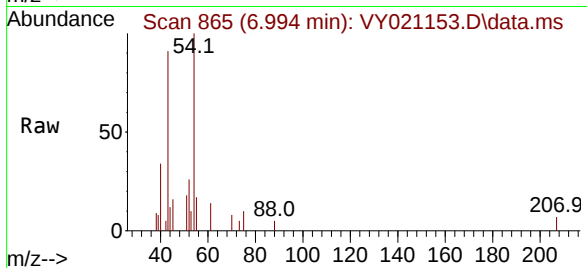
Tgt Ion: 43 Resp: 4098

Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.6#

70 7.5 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 4.285 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

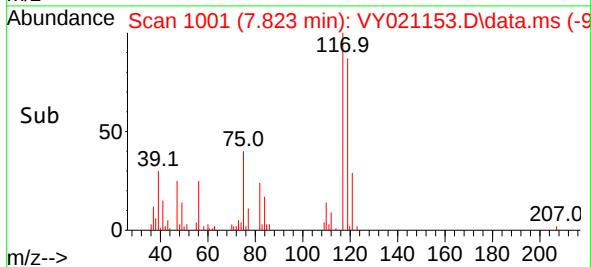
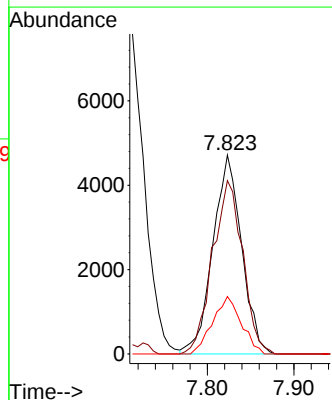
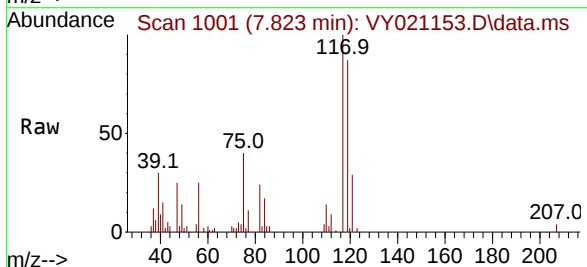
Tgt Ion: 117 Resp: 10867

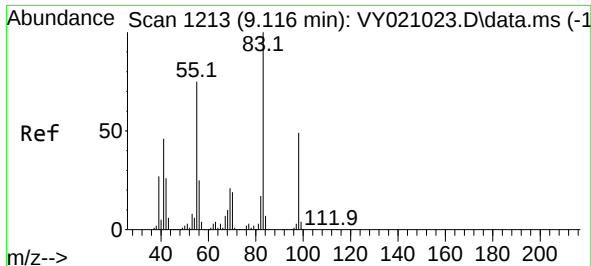
Ion Ratio Lower Upper

117 100

119 87.1 76.0 114.0

121 28.9 24.2 36.2





#39

Methylcyclohexane

Concen: 4.030 ug/l

RT: 9.110 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

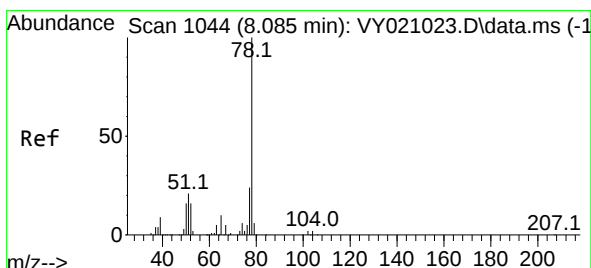
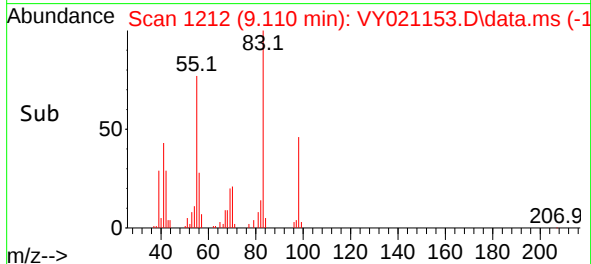
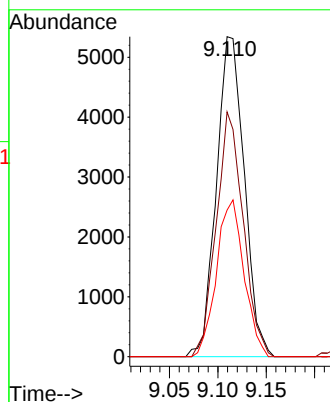
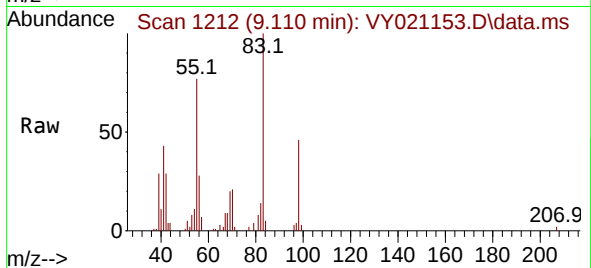
Tgt Ion: 83 Resp: 10698

Ion Ratio Lower Upper

83 100

55 76.5 59.7 89.5

98 45.8 38.0 57.0



#40

Benzene

Concen: 4.013 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. -0.000 min

Lab File: VY021153.D

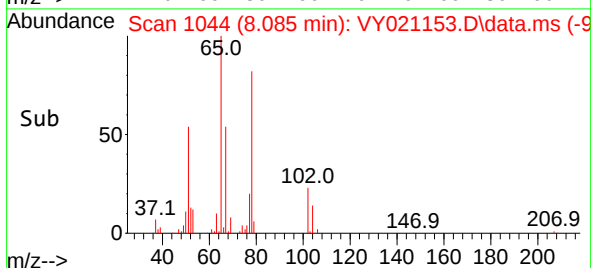
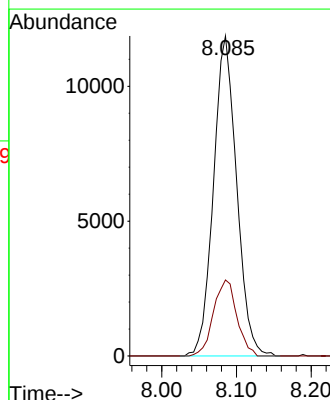
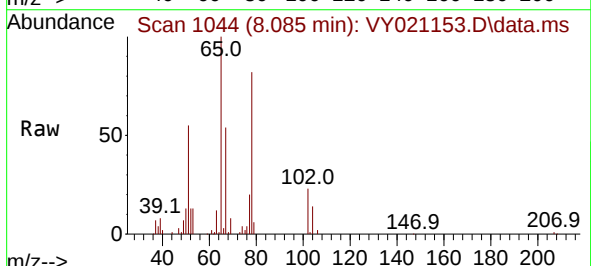
Acq: 10 Feb 2025 13:05

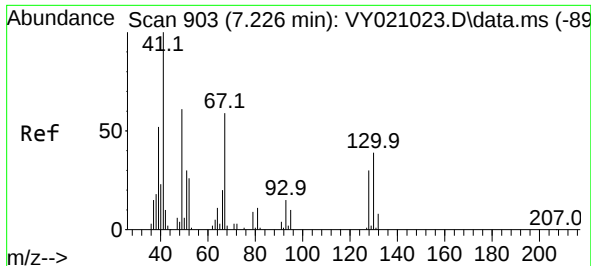
Tgt Ion: 78 Resp: 25558

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

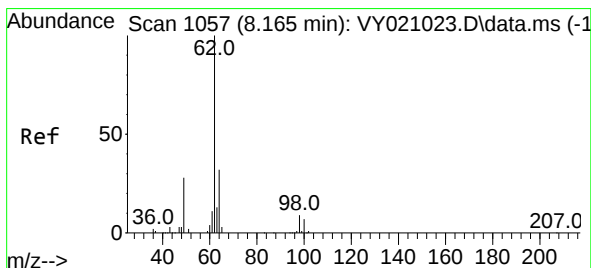
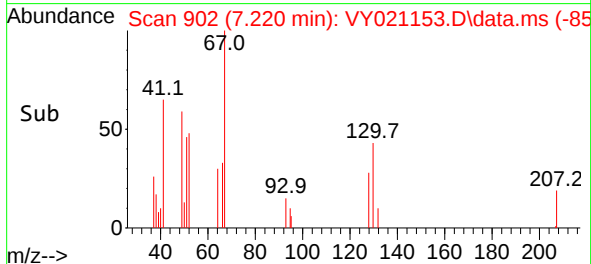
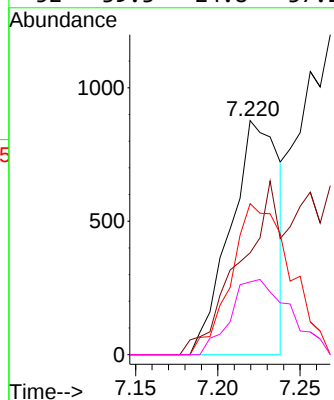
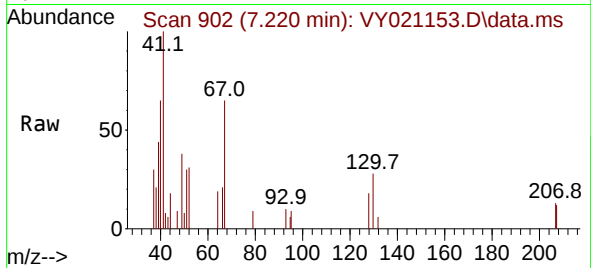




#41  
Methacrylonitrile  
Concen: 3.263 ug/l  
RT: 7.220 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

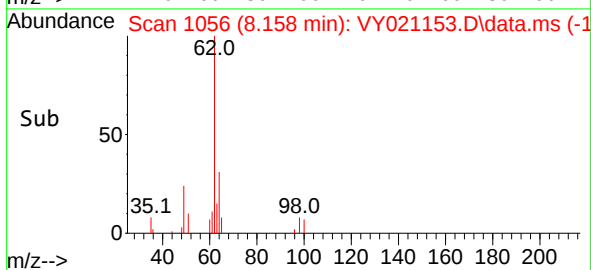
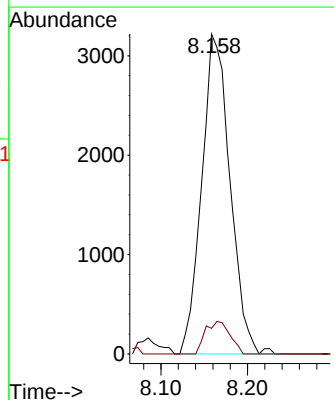
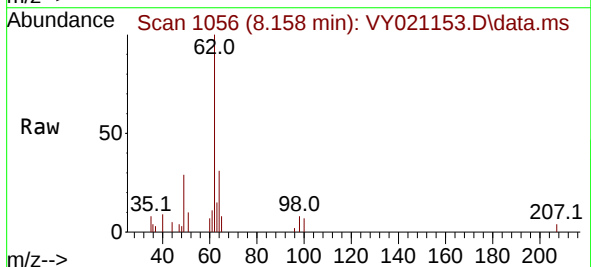
Instrument :  
MSVOA\_Y  
ClientSampleId :

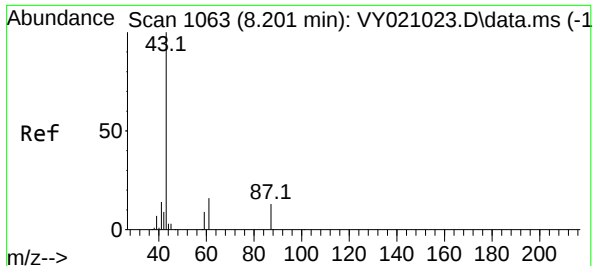
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 1797  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 61.1  | 41.9  | 62.9  |
| 67       | 78.9  | 59.8  | 89.6  |
| 52       | 39.3  | 24.8  | 37.2  |



#42  
1,2-Dichloroethane  
Concen: 4.136 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 7307  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.8   | 0.0   | 20.2  |

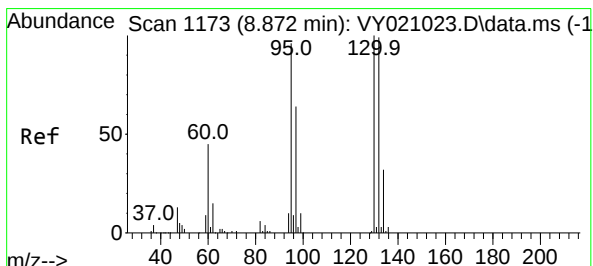
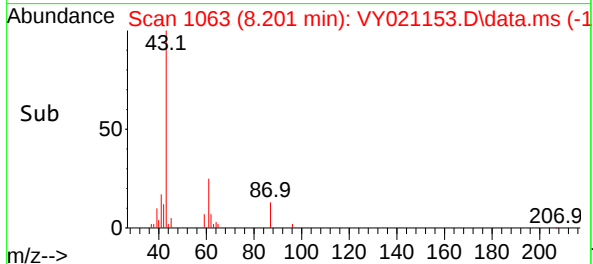
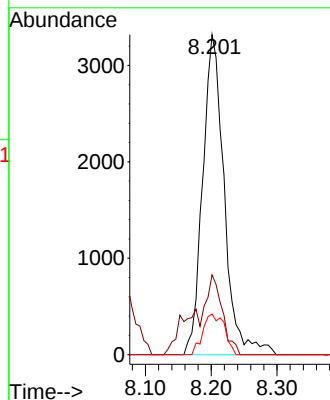
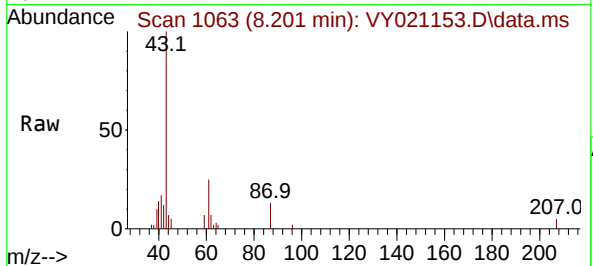




#43  
Isopropyl Acetate  
Concen: 3.997 ug/l  
RT: 8.201 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

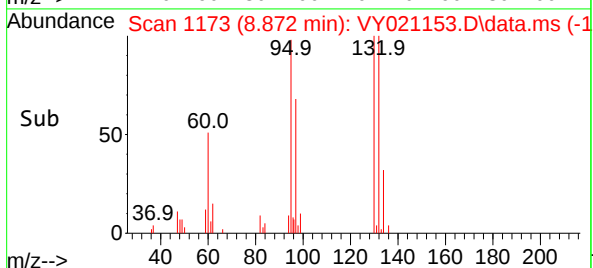
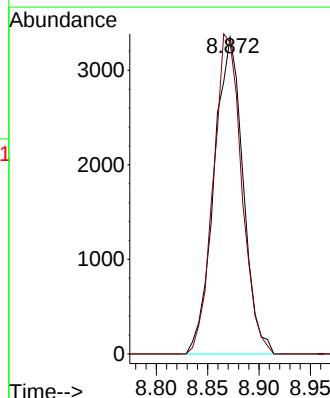
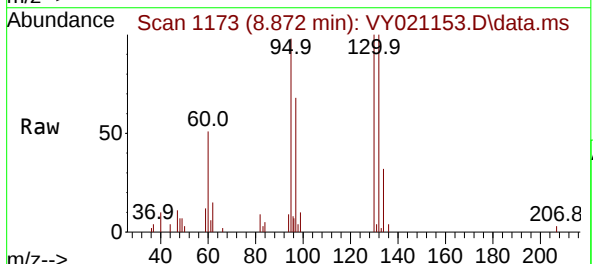
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 43 Resp: 7561  
Ion Ratio Lower Upper  
43 100  
61 32.0 24.8 37.2  
87 12.7 10.7 16.1



#44  
Trichloroethene  
Concen: 3.994 ug/l  
RT: 8.872 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:130 Resp: 6572  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 203.8





#45

1,2-Dichloropropane

Concen: 4.299 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

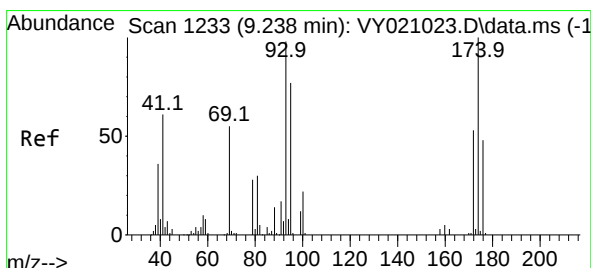
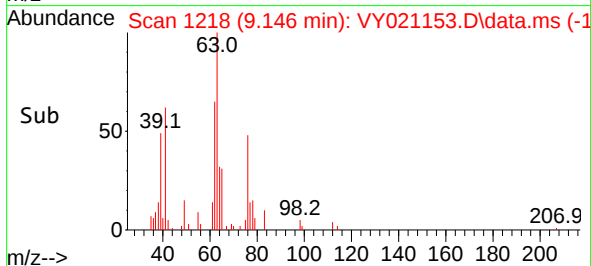
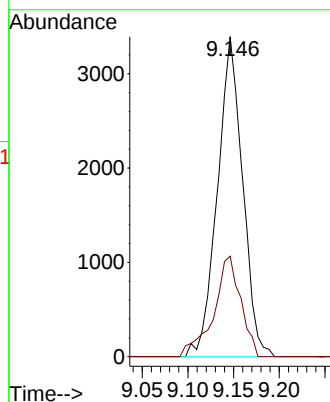
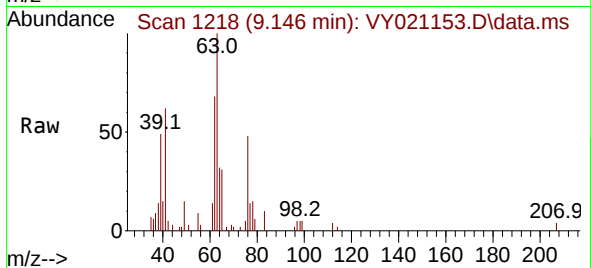
ClientSampleId :

Tgt Ion: 63 Resp: 6498

Ion Ratio Lower Upper

63 100

65 31.4 24.6 36.8



#46

Dibromomethane

Concen: 4.019 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

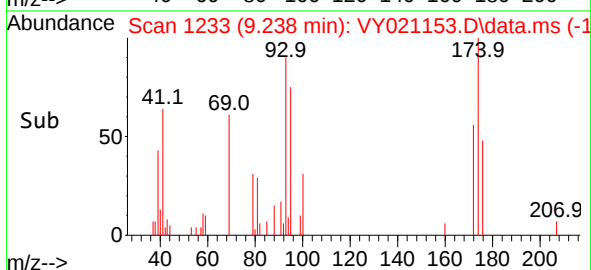
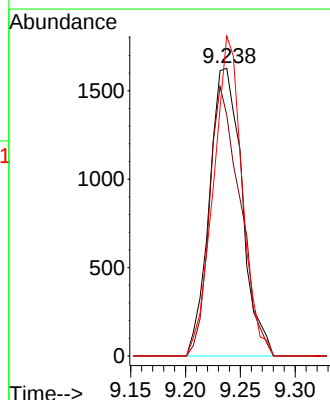
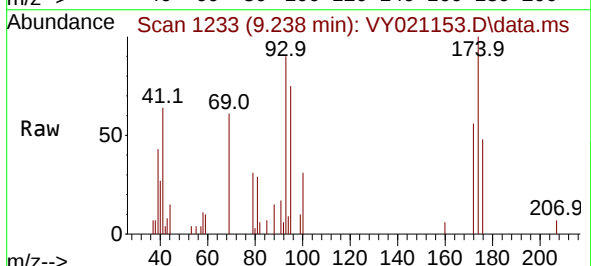
Tgt Ion: 93 Resp: 3364

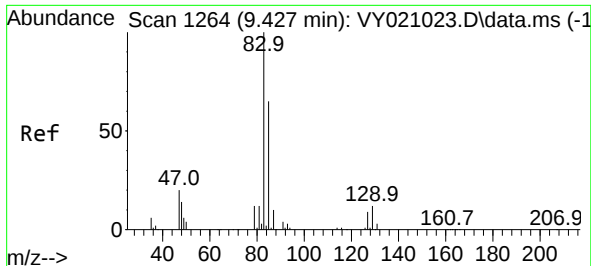
Ion Ratio Lower Upper

93 100

95 88.0 66.6 99.8

174 98.3 73.8 110.6

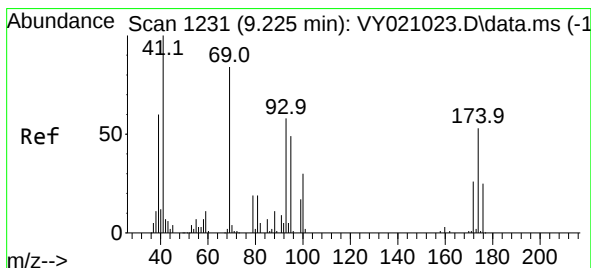
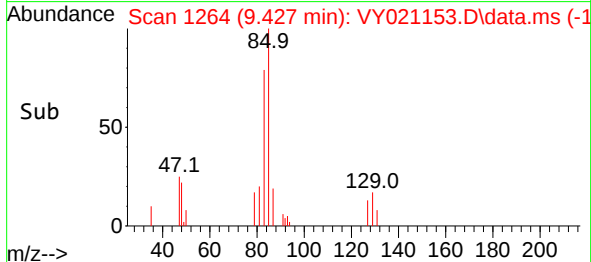
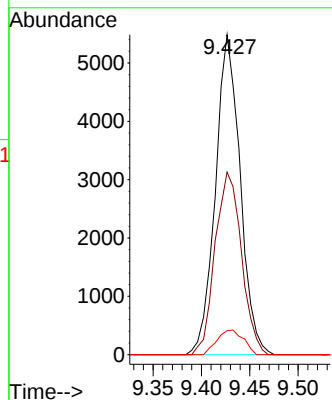
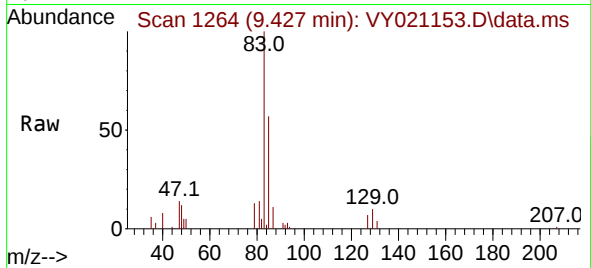




#47  
Bromodichloromethane  
Concen: 4.338 ug/l  
RT: 9.427 min Scan# 1264  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

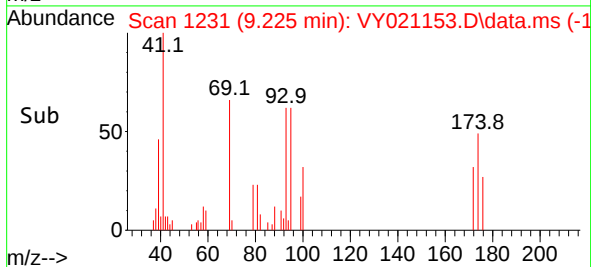
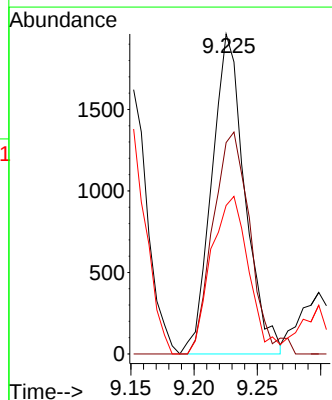
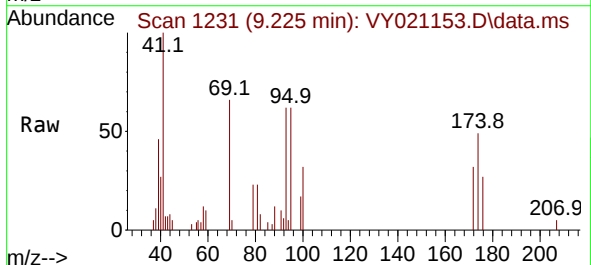
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 83 Resp: 9737  
Ion Ratio Lower Upper  
83 100  
85 57.1 53.2 79.8  
127 7.5 6.4 9.6



#48  
Methyl methacrylate  
Concen: 4.148 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 41 Resp: 3574  
Ion Ratio Lower Upper  
41 100  
69 77.8 72.1 108.1  
39 55.9 42.8 64.2





#49

1,4-Dioxane

Concen: 80.856 ug/l

RT: 9.238 min Scan# 1233

Delta R.T. 0.006 min

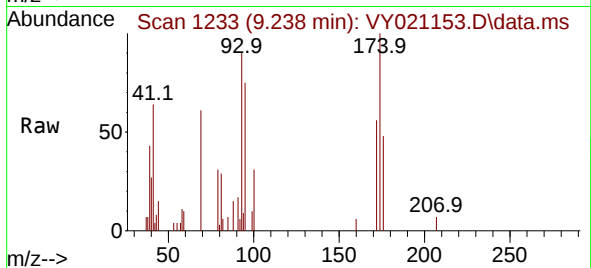
Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

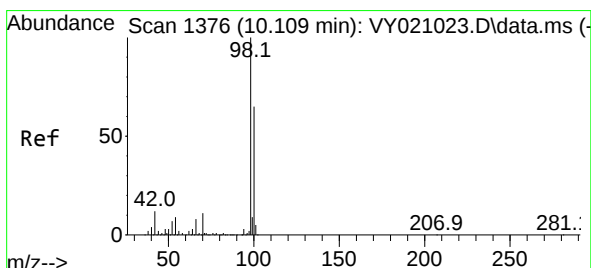
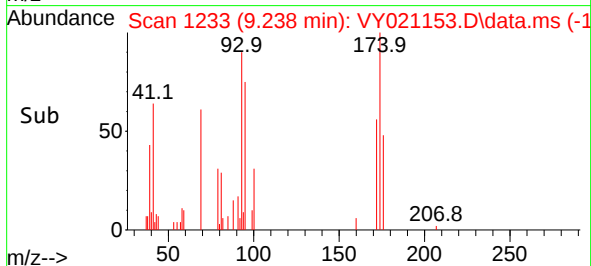
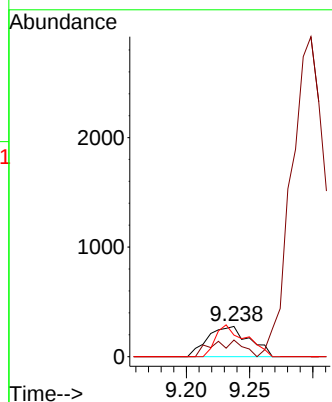
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 630   |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 0.0   | 28.2  | 42.4# |
| 58       | 76.7  | 52.2  | 78.2  |



#50

Toluene-d8

Concen: 49.864 ug/l

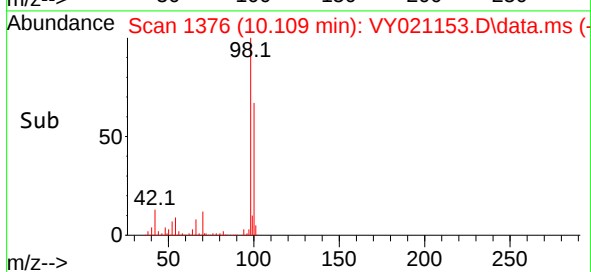
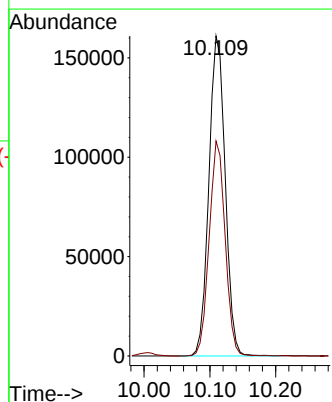
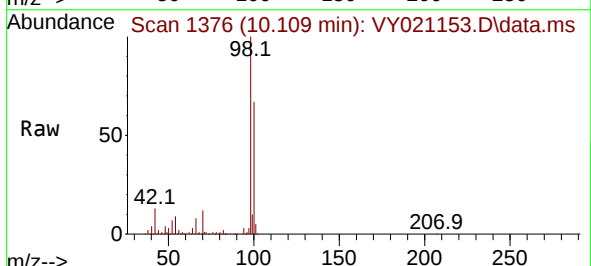
RT: 10.109 min Scan# 1376

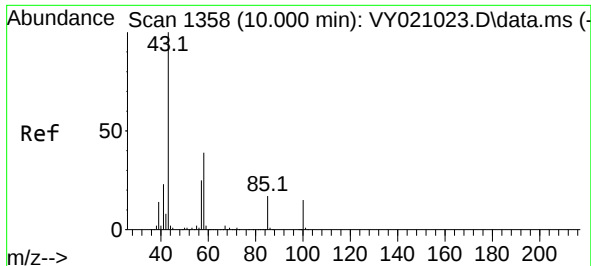
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 278151 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.7  | 52.3  | 78.5   |

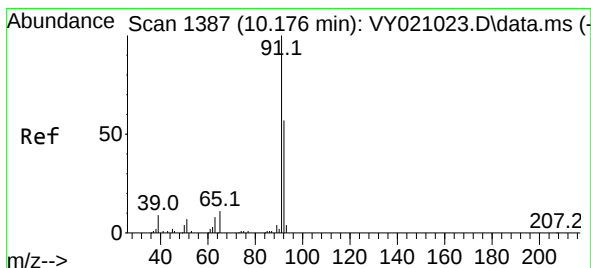
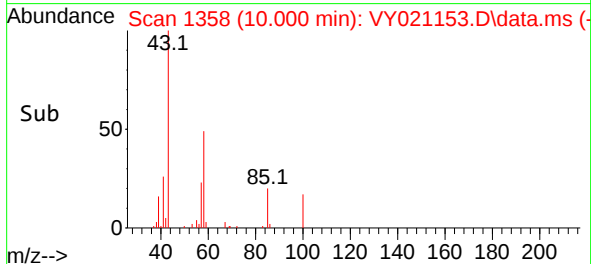
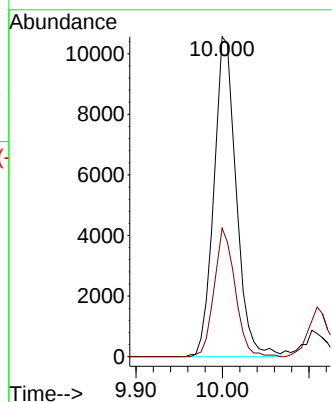
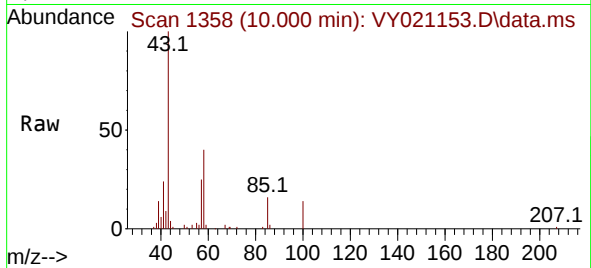




#51  
4-Methyl-2-Pentanone  
Concen: 19.886 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

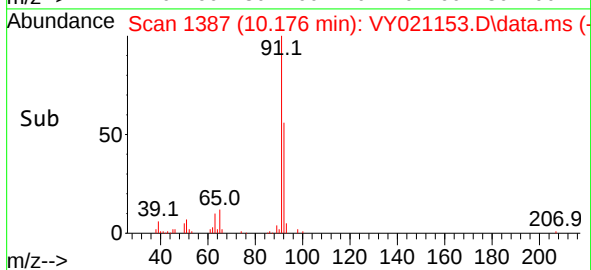
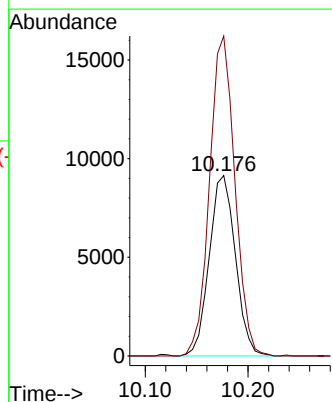
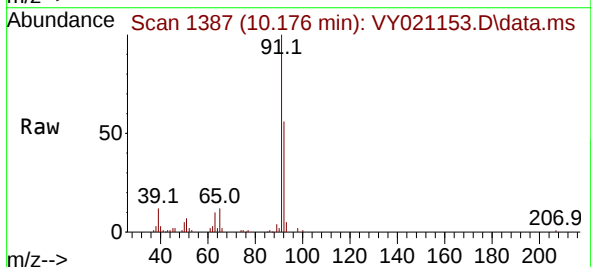
Instrument :  
MSVOA\_Y  
ClientSampleId :

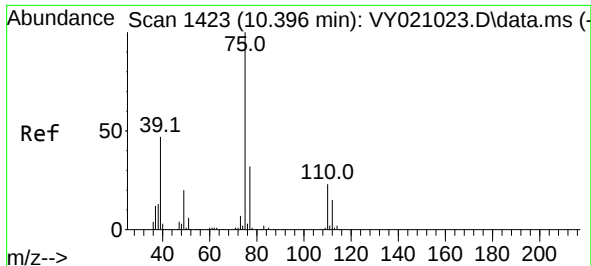
Tgt Ion: 43 Resp: 18918  
Ion Ratio Lower Upper  
43 100  
58 37.6 32.2 48.2



#52  
Toluene  
Concen: 4.038 ug/l  
RT: 10.176 min Scan# 1387  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 92 Resp: 16149  
Ion Ratio Lower Upper  
92 100  
91 172.2 137.6 206.4

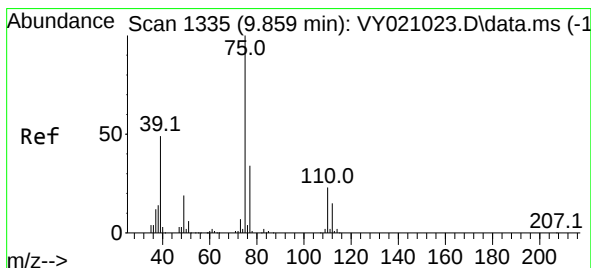
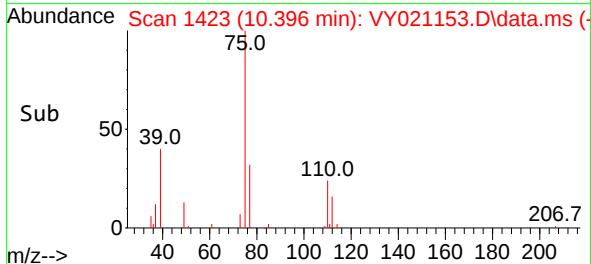
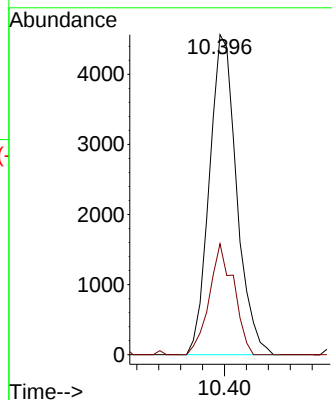
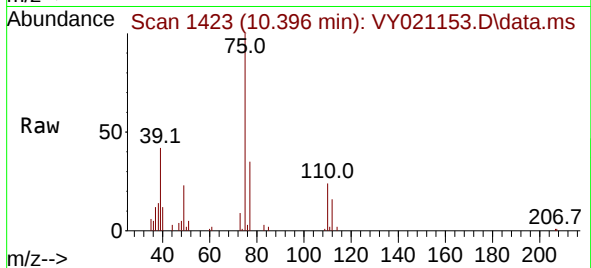




#53  
t-1,3-Dichloropropene  
Concen: 3.911 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

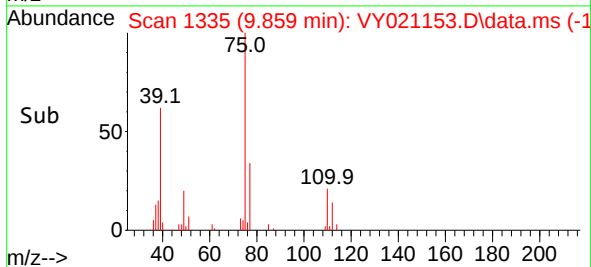
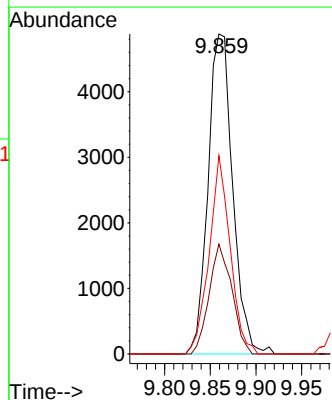
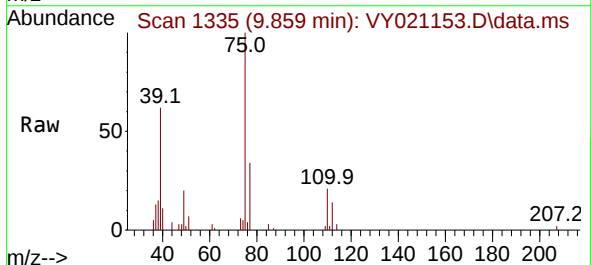
Instrument :  
MSVOA\_Y  
ClientSampleId :

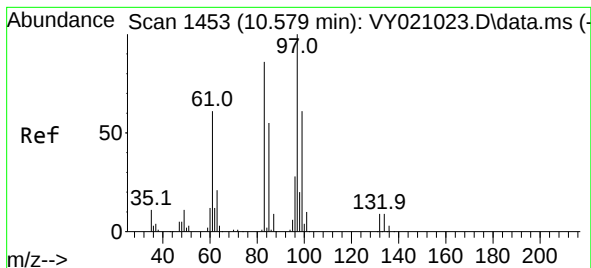
Tgt Ion: 75 Resp: 7882  
Ion Ratio Lower Upper  
75 100  
77 34.7 24.6 36.8



#54  
cis-1,3-Dichloropropene  
Concen: 3.834 ug/l  
RT: 9.859 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 9149  
Ion Ratio Lower Upper  
75 100  
77 34.3 24.6 36.8  
39 61.9 33.6 50.4#

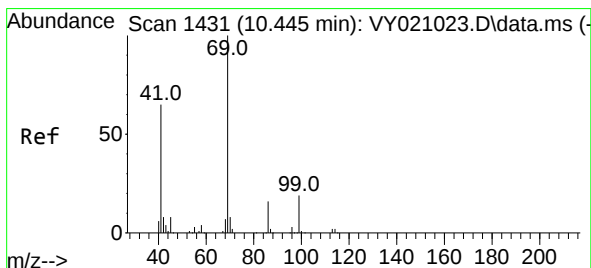
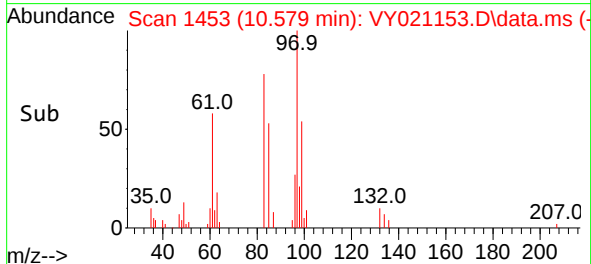
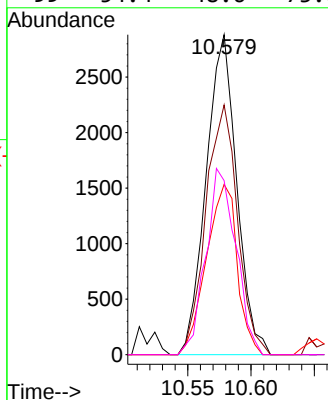
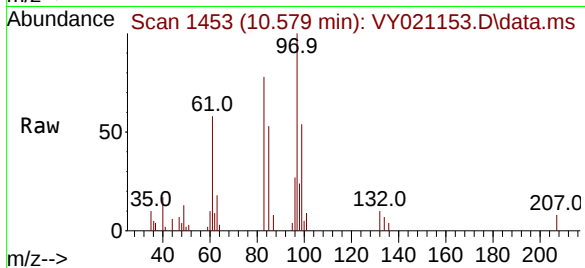




#55  
1,1,2-Trichloroethane  
Concen: 4.473 ug/l  
RT: 10.579 min Scan# 1453  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

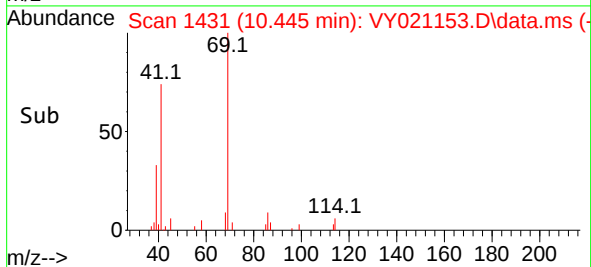
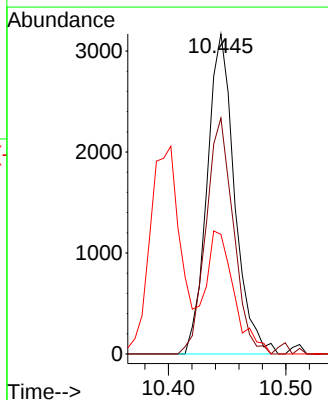
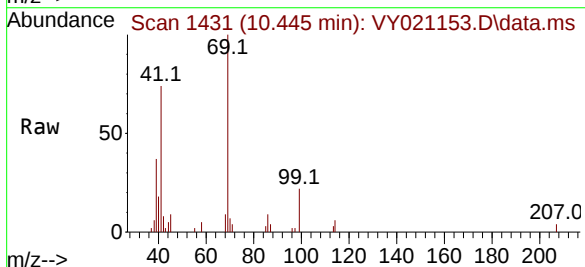
Instrument :  
MSVOA\_Y  
ClientSampleId :

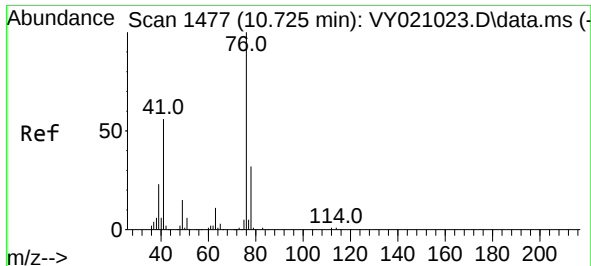
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 4848  |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 78.0     | 69.4 104.2  |
| 85 53.2     | 43.9 65.9   |
| 99 54.4     | 48.6 73.0   |



#56  
Ethyl methacrylate  
Concen: 3.550 ug/l  
RT: 10.445 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 5147  |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 73.7     | 49.2 73.8   |
| 39 40.5     | 26.8 40.2#  |





#57

1,3-Dichloropropane

Concen: 4.091 ug/l

RT: 10.725 min Scan# 1477

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

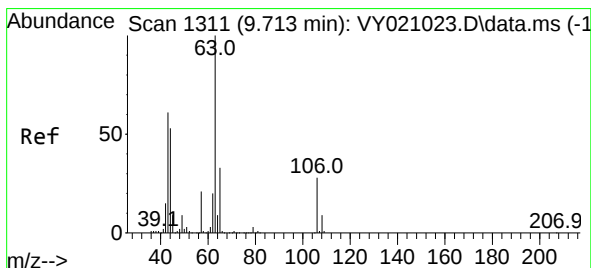
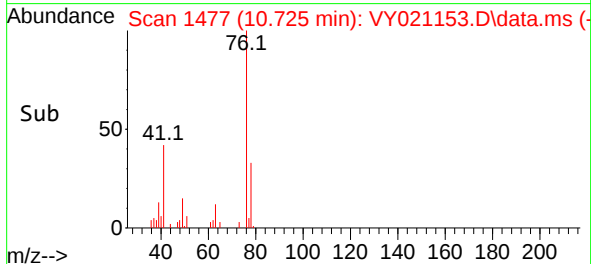
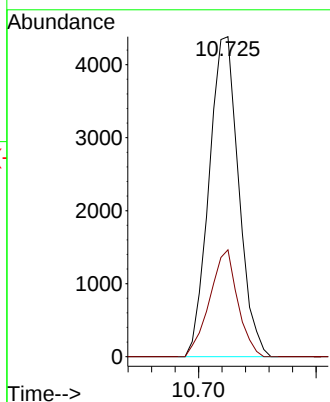
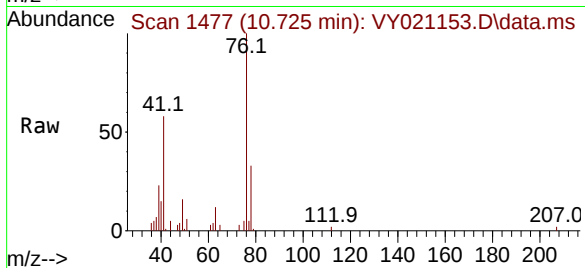
ClientSampleId :

Tgt Ion: 76 Resp: 7674

Ion Ratio Lower Upper

76 100

78 31.6 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 18.289 ug/l

RT: 9.719 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VY021153.D

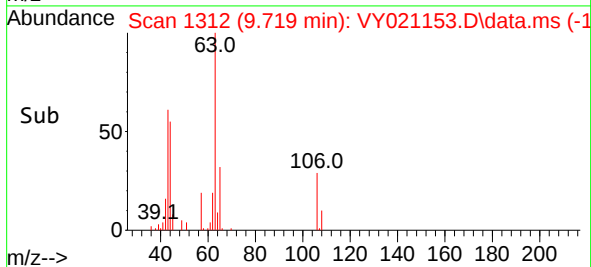
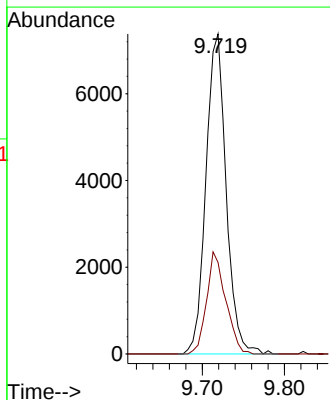
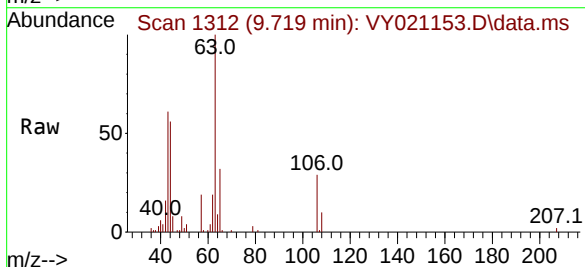
Acq: 10 Feb 2025 13:05

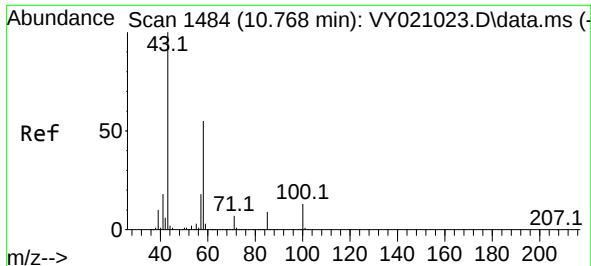
Tgt Ion: 63 Resp: 12616

Ion Ratio Lower Upper

63 100

106 30.1 22.4 33.6

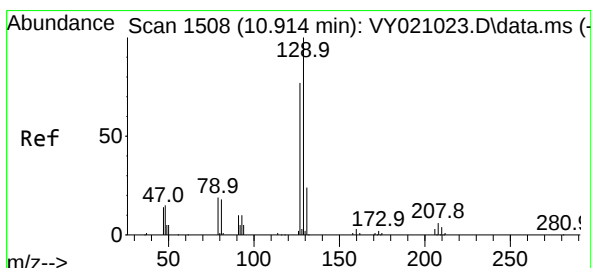
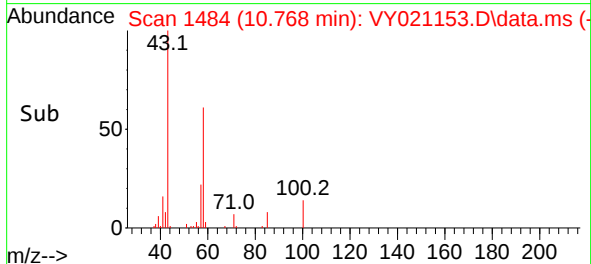
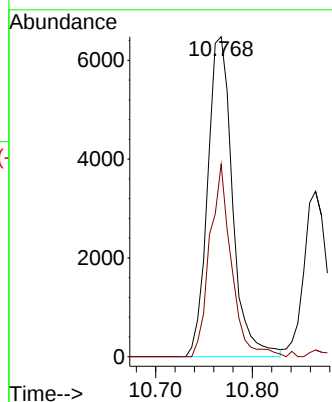
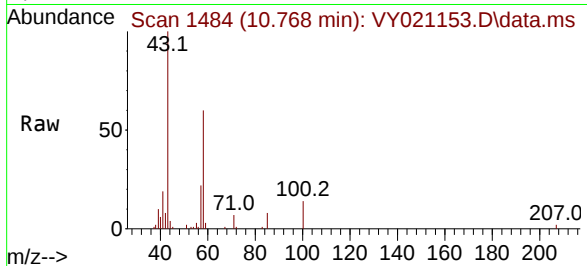




#59  
2-Hexanone  
Concen: 18.917 ug/l  
RT: 10.768 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

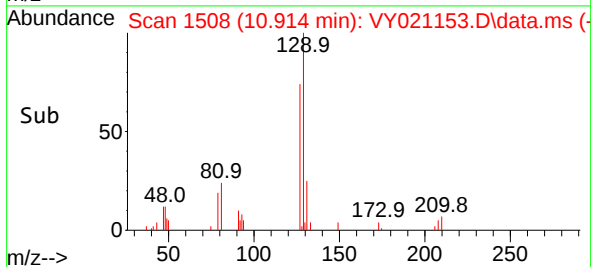
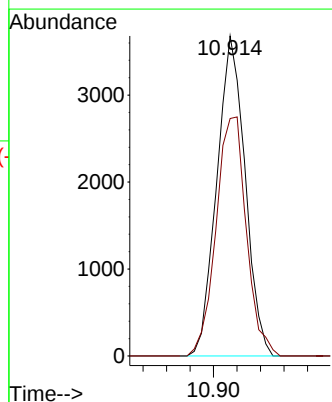
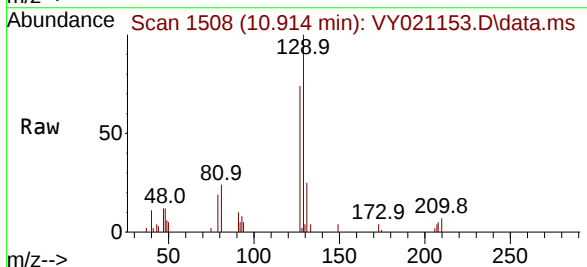
Instrument :  
MSVOA\_Y  
ClientSampleId :

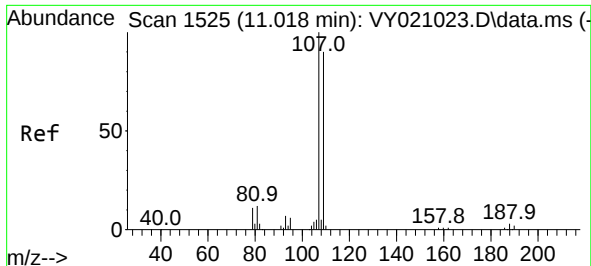
Tgt Ion: 43 Resp: 11587  
Ion Ratio Lower Upper  
43 100  
58 52.3 28.1 84.3



#60  
Dibromochloromethane  
Concen: 4.044 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 129 Resp: 6156  
Ion Ratio Lower Upper  
129 100  
127 80.1 39.2 117.6

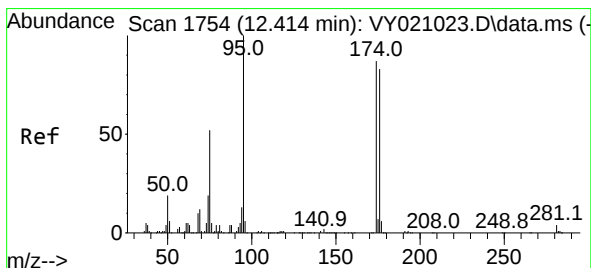
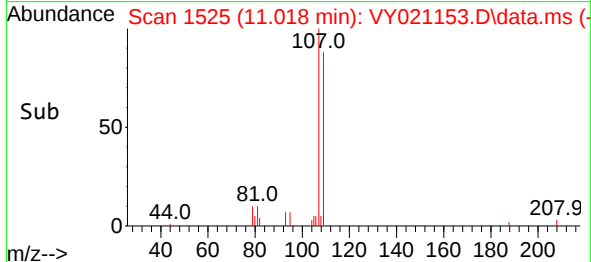
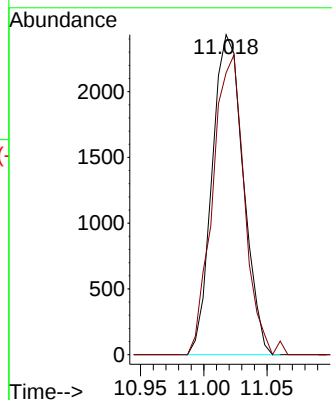
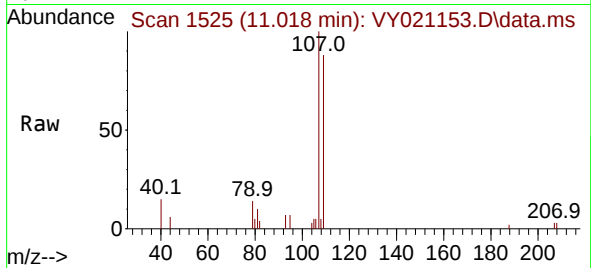




#61  
1,2-Dibromoethane  
Concen: 4.112 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

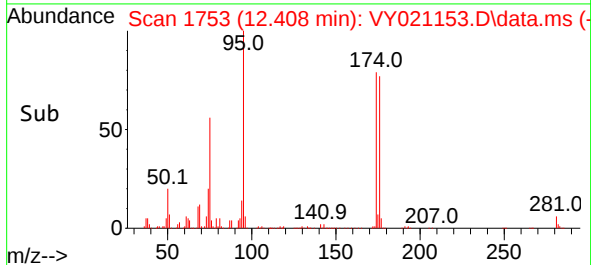
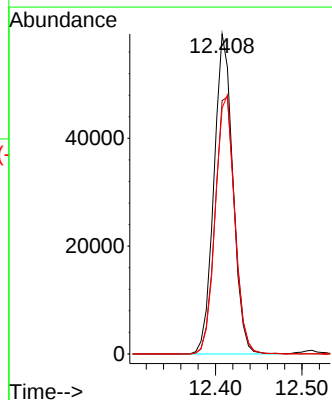
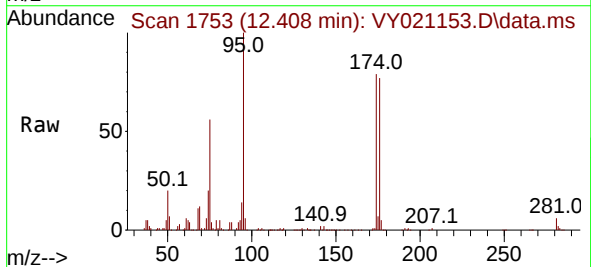
Instrument :  
MSVOA\_Y  
ClientSampleId :

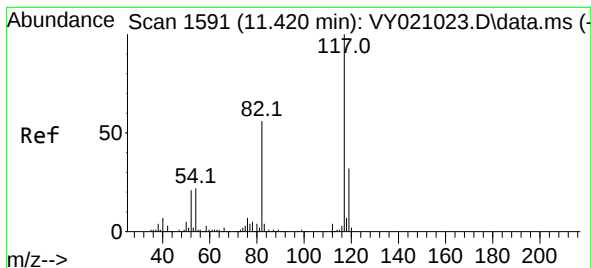
Tgt Ion:107 Resp: 4175  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 49.414 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 95 Resp: 90051  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 160.0  
176 82.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

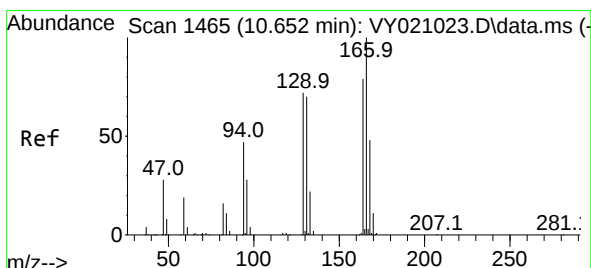
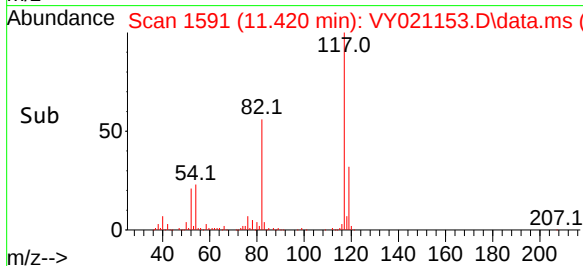
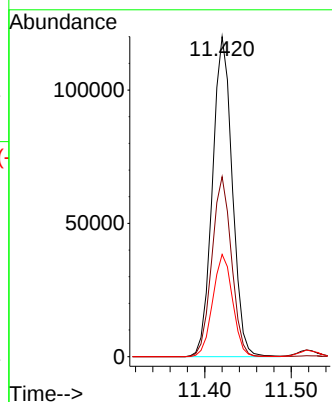
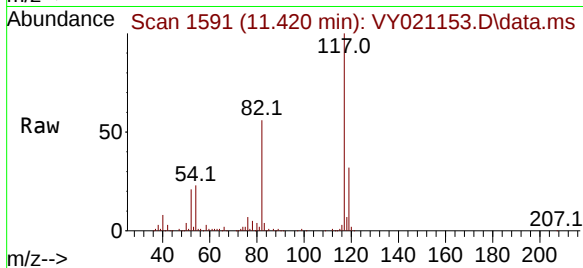
Tgt Ion:117 Resp: 190868

Ion Ratio Lower Upper

117 100

82 56.3 43.8 65.8

119 32.0 26.5 39.7



#64

Tetrachloroethene

Concen: 4.163 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:164 Resp: 5898

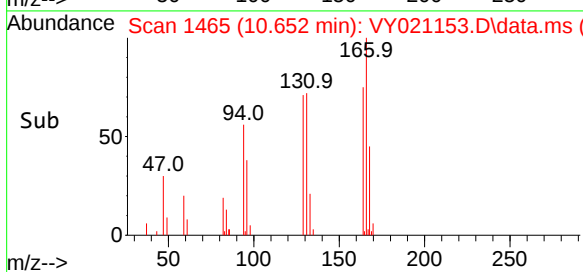
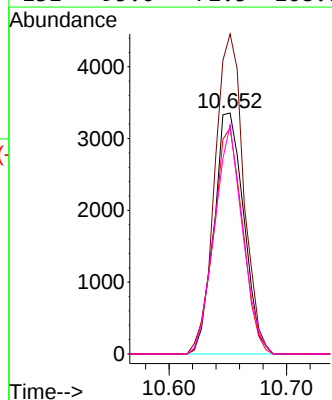
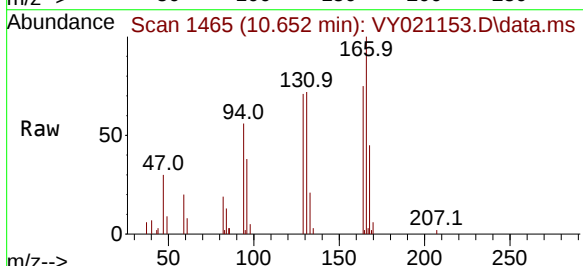
Ion Ratio Lower Upper

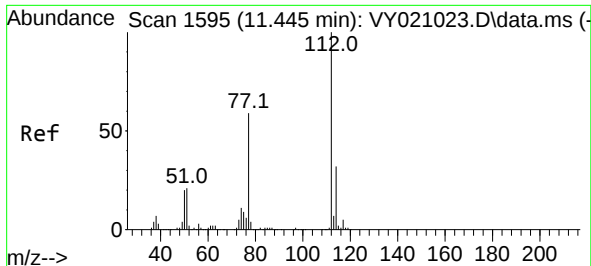
164 100

166 132.8 98.8 148.2

129 93.7 78.9 118.3

131 95.0 72.5 108.7

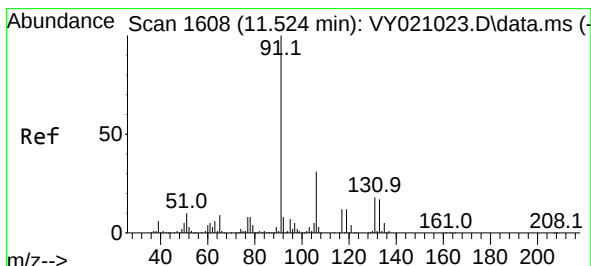
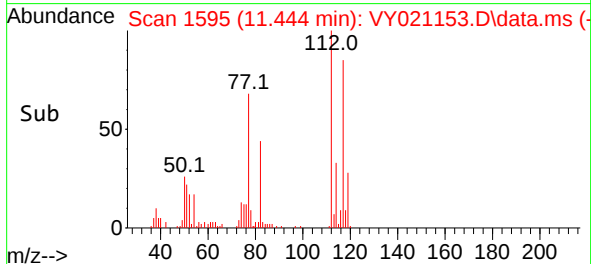
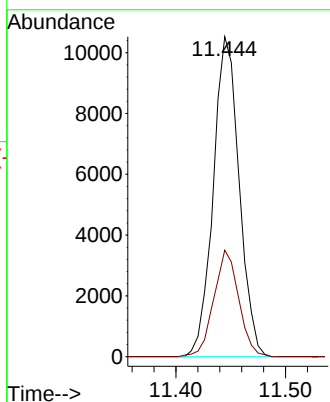
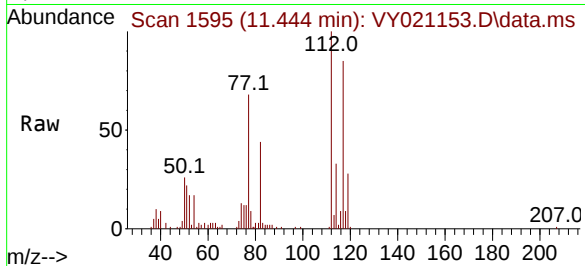




#65  
Chlorobenzene  
Concen: 4.070 ug/l  
RT: 11.444 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

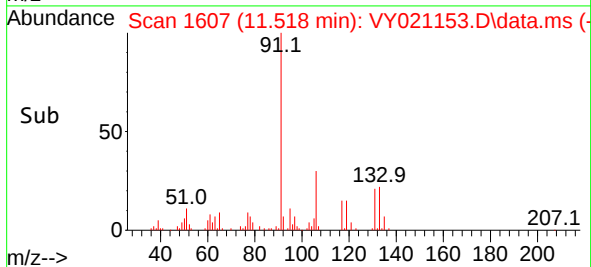
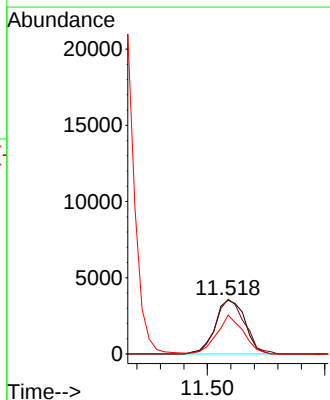
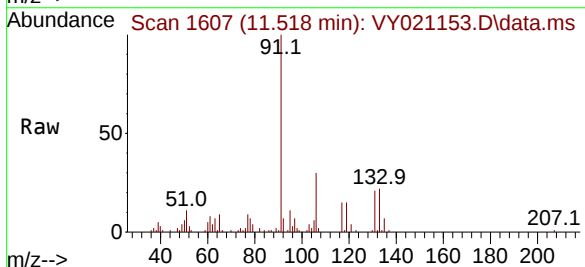
Instrument :  
MSVOA\_Y  
ClientSampleId :

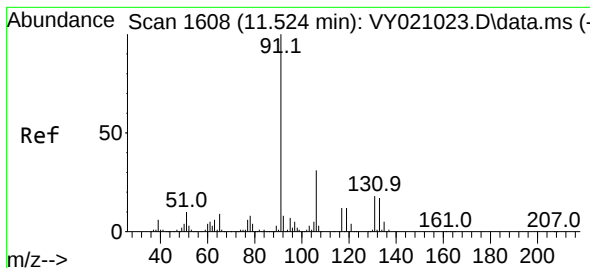
Tgt Ion:112 Resp: 17296  
Ion Ratio Lower Upper  
112 100  
114 33.3 26.1 39.1



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.128 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:131 Resp: 6234  
Ion Ratio Lower Upper  
131 100  
133 98.4 47.0 141.0  
119 63.9 33.3 99.9

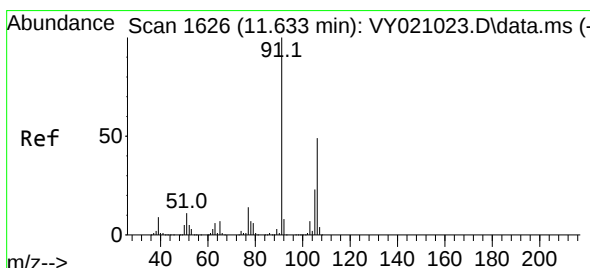
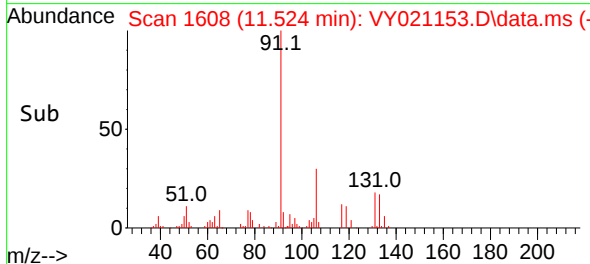
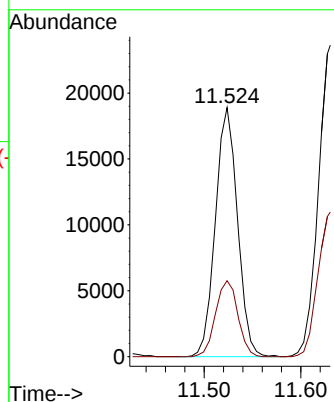
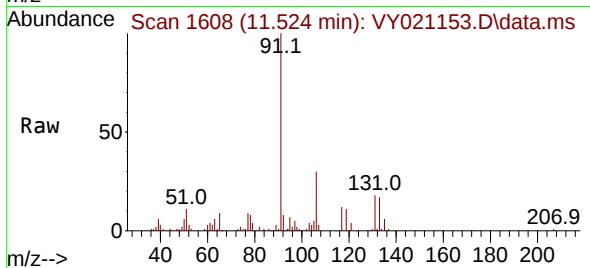




#67  
Ethyl Benzene  
Concen: 3.988 ug/l  
RT: 11.524 min Scan# 1608  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

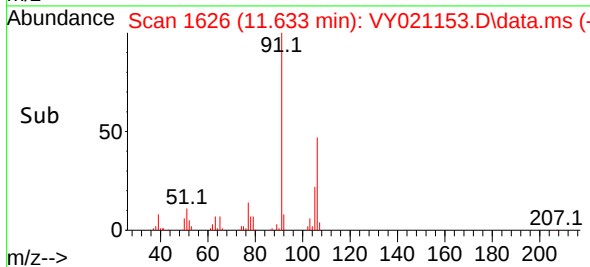
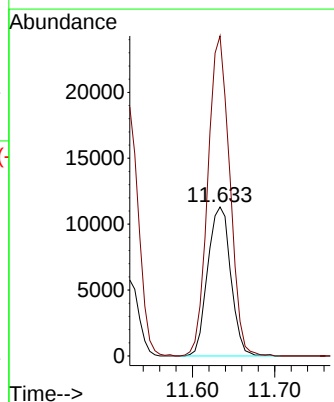
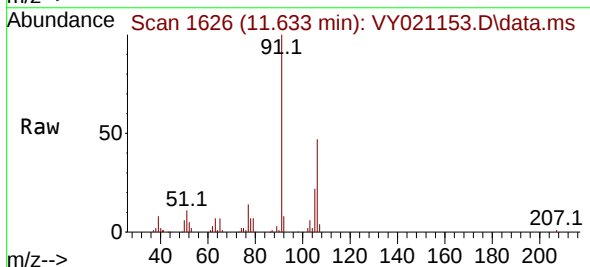
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 91 Resp: 29976  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.0 37.4



#68  
m/p-Xylenes  
Concen: 7.845 ug/l  
RT: 11.633 min Scan# 1626  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:106 Resp: 22062  
Ion Ratio Lower Upper  
106 100  
91 203.4 160.7 241.1

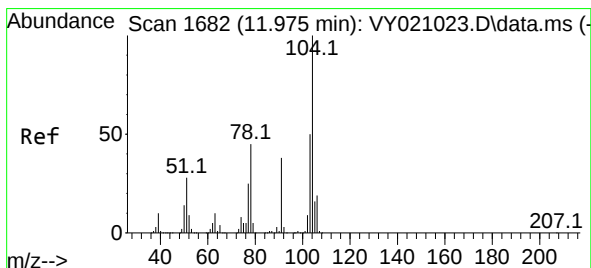
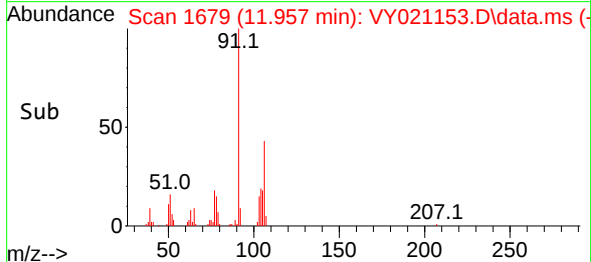
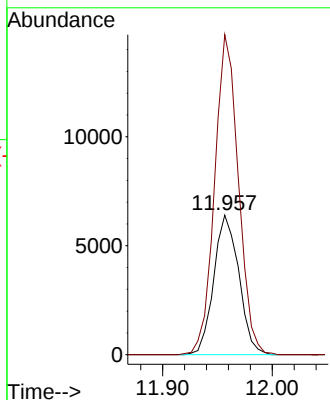
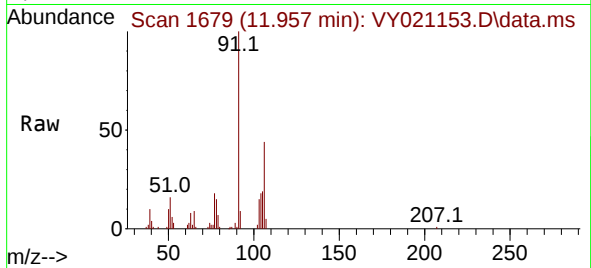




#69  
o-Xylene  
Concen: 3.884 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

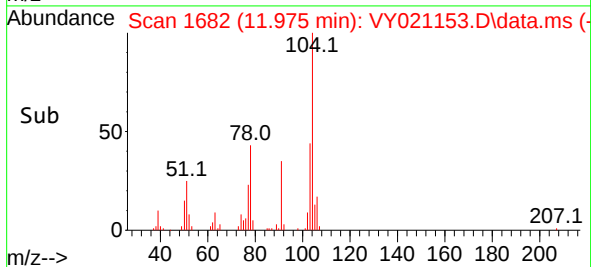
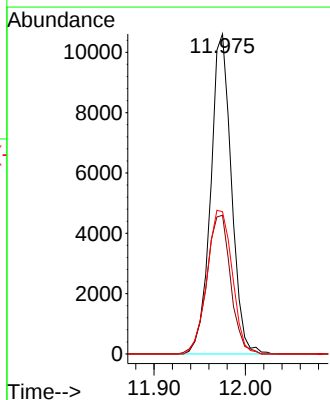
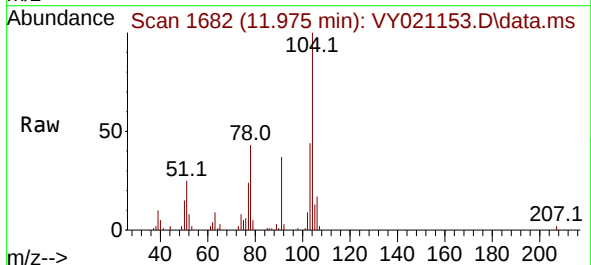
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:106 Resp: 10184  
Ion Ratio Lower Upper  
106 100  
91 217.8 106.5 319.5



#70  
Styrene  
Concen: 3.828 ug/l  
RT: 11.975 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:104 Resp: 16726  
Ion Ratio Lower Upper  
104 100  
78 50.0 39.2 58.8  
103 54.2 43.8 65.6





#71

Bromoform

Concen: 4.364 ug/l

RT: 12.133 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

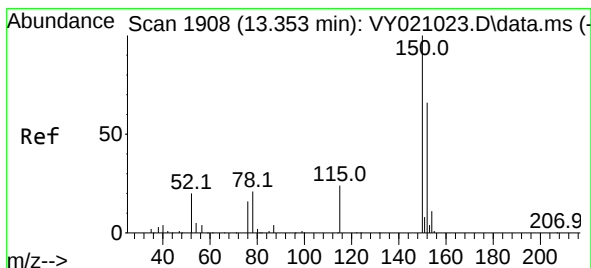
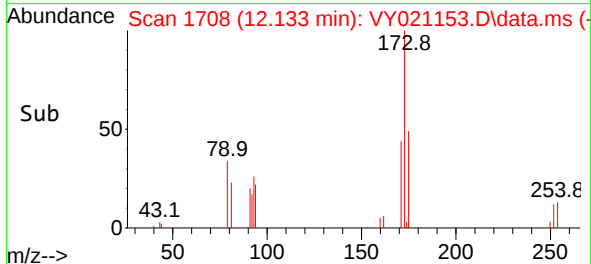
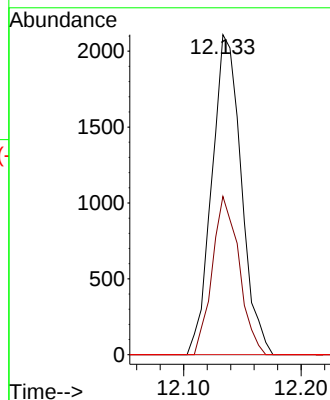
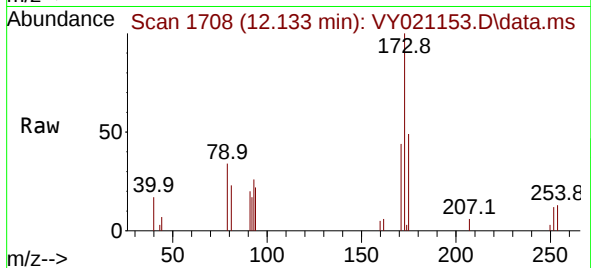
Tgt Ion:173 Resp: 3669

Ion Ratio Lower Upper

173 100

175 45.1 23.5 70.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

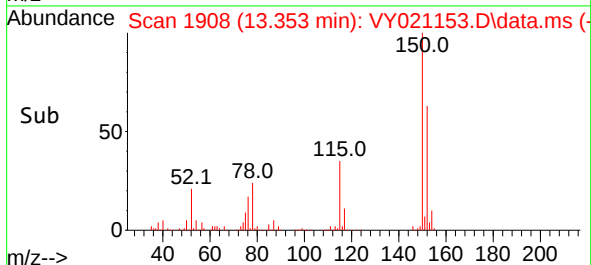
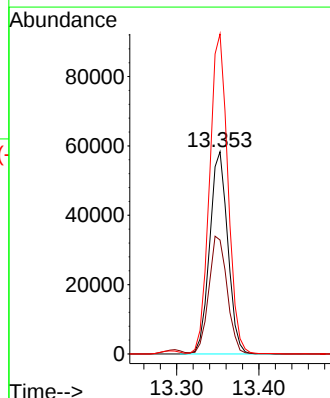
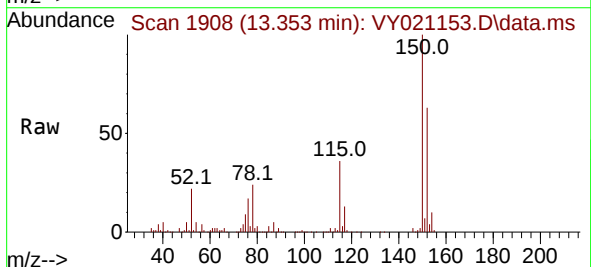
Tgt Ion:152 Resp: 89284

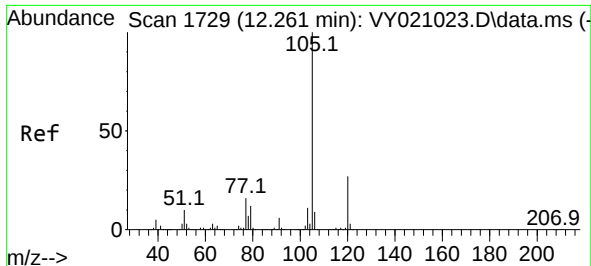
Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

150 159.9 0.0 344.6

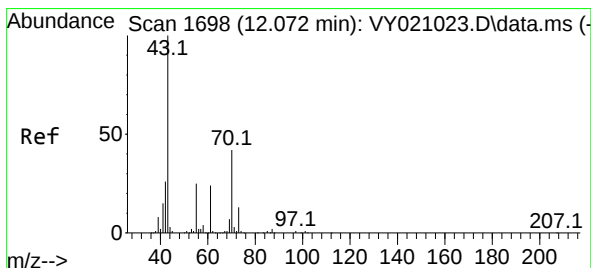
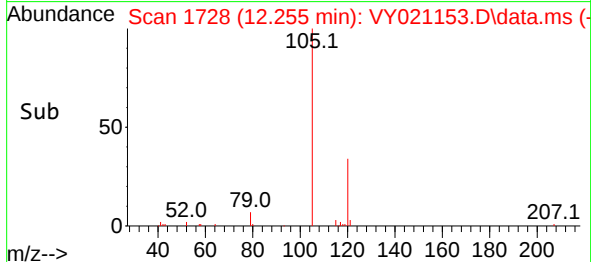
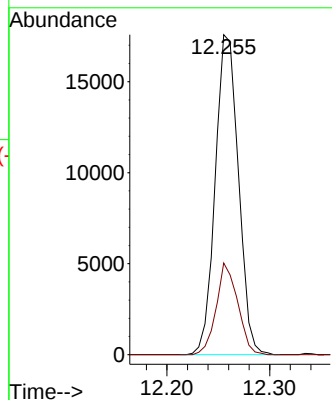
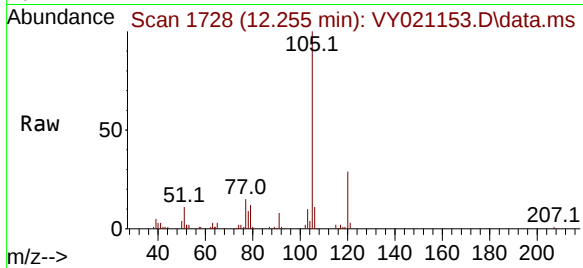




#73  
Isopropylbenzene  
Concen: 3.945 ug/l  
RT: 12.255 min Scan# 1728  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

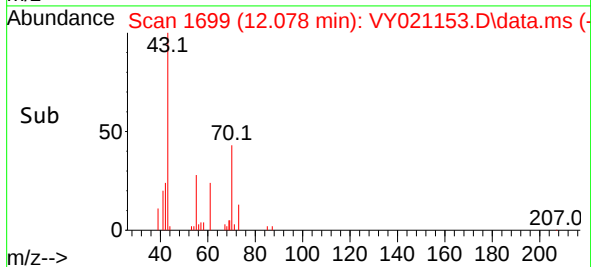
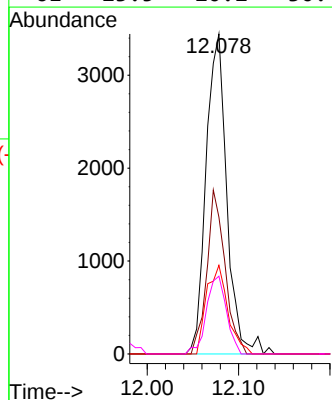
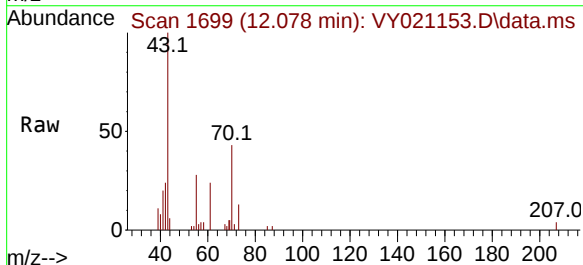
Instrument :  
MSVOA\_Y  
ClientSampleId :

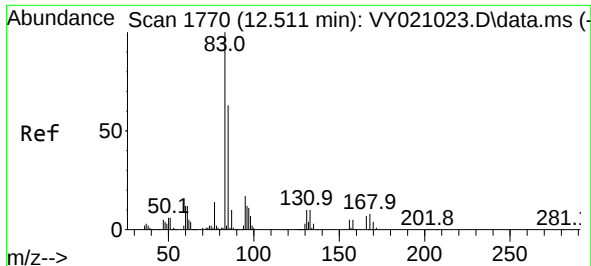
Tgt Ion:105 Resp: 27512  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.0 39.0



#74  
N-ethyl acetate  
Concen: 3.557 ug/l  
RT: 12.078 min Scan# 1699  
Delta R.T. 0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 43 Resp: 5423  
Ion Ratio Lower Upper  
43 100  
70 44.9 36.6 55.0  
55 28.4 22.2 33.4  
61 23.5 20.2 30.4

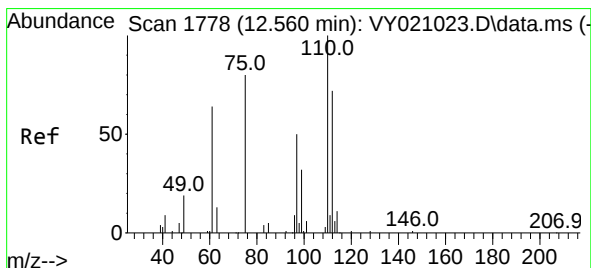
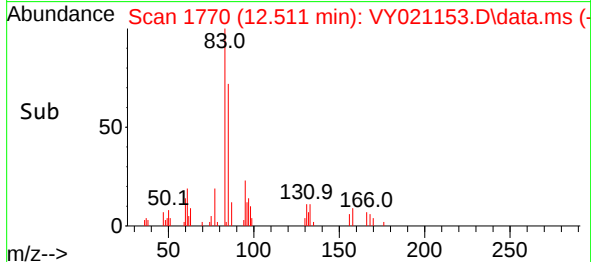
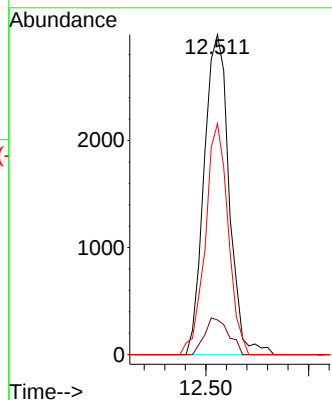
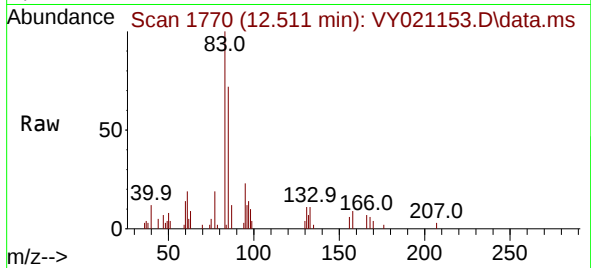




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 4.348 ug/l  
 RT: 12.511 min Scan# 1770  
 Delta R.T. -0.000 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

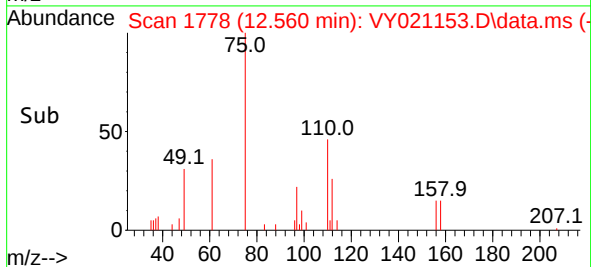
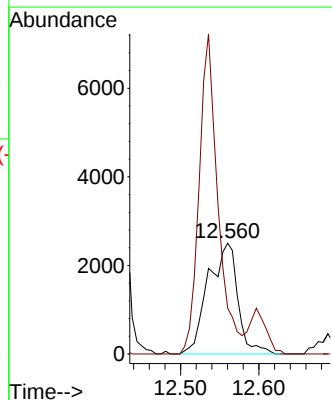
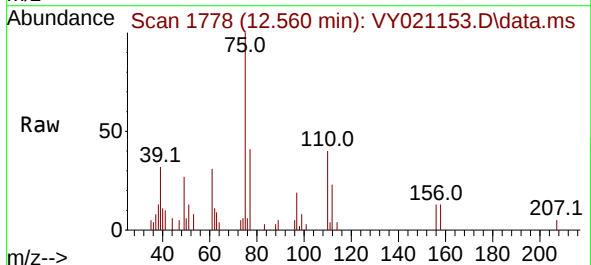
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

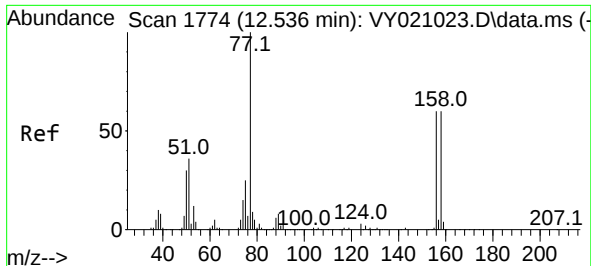
Tgt Ion: 83 Resp: 5043  
 Ion Ratio Lower Upper  
 83 100  
 131 11.0 4.9 14.6  
 85 66.0 32.6 98.0



#76  
 1,2,3-Trichloropropane  
 Concen: 8.139 ug/l  
 RT: 12.560 min Scan# 1778  
 Delta R.T. -0.000 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 6592  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

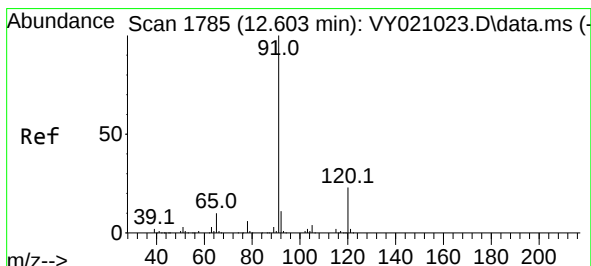
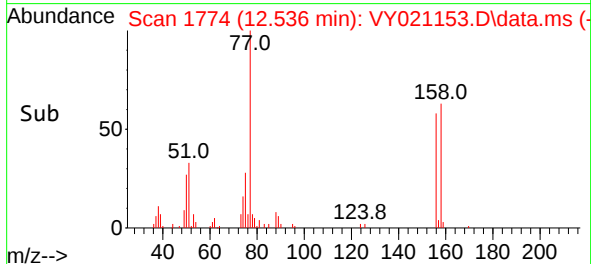
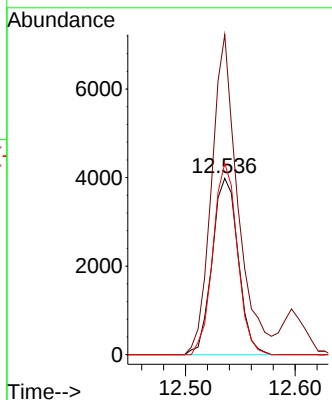
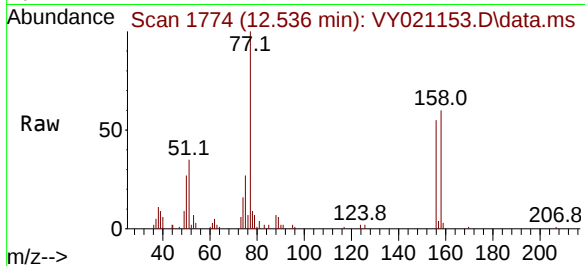




#77  
Bromobenzene  
Concen: 4.088 ug/l  
RT: 12.536 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

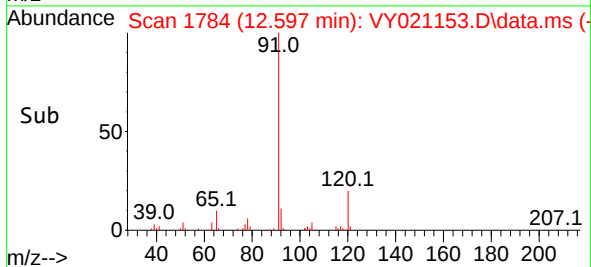
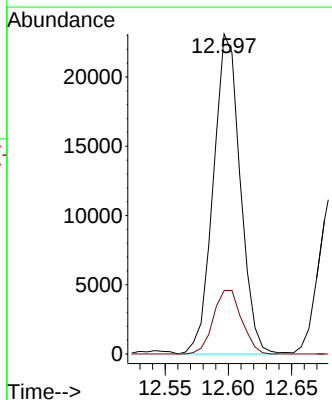
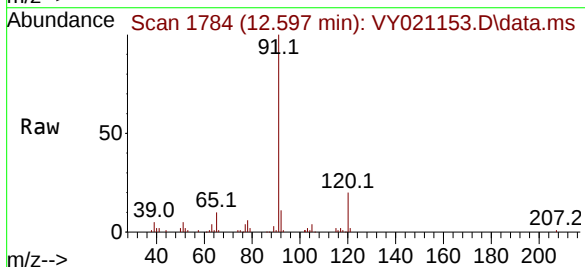
Instrument :  
MSVOA\_Y  
ClientSampleId :

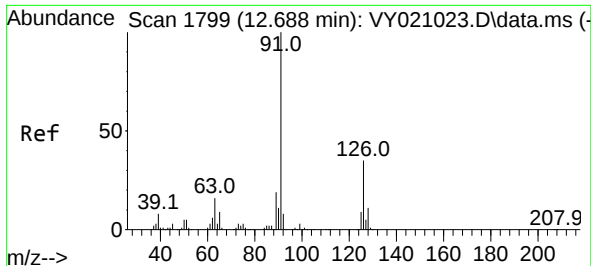
Tgt Ion:156 Resp: 6579  
Ion Ratio Lower Upper  
156 100  
77 183.2 97.3 291.8  
158 101.8 48.4 145.0



#78  
n-propylbenzene  
Concen: 4.114 ug/l  
RT: 12.597 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 91 Resp: 34178  
Ion Ratio Lower Upper  
91 100  
120 20.9 11.0 33.0

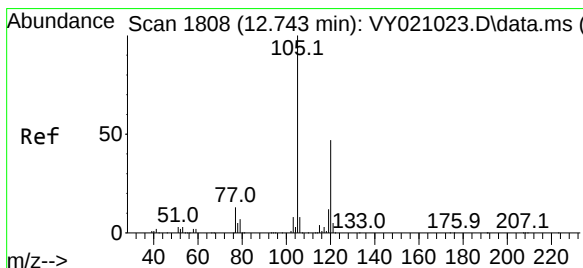
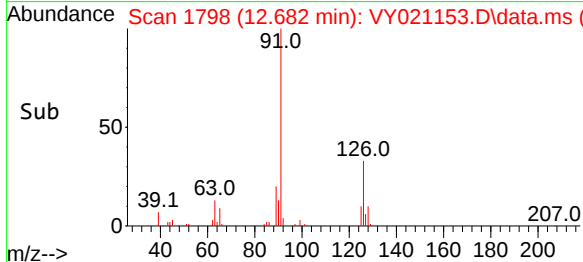
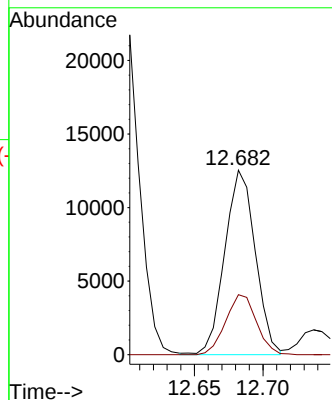
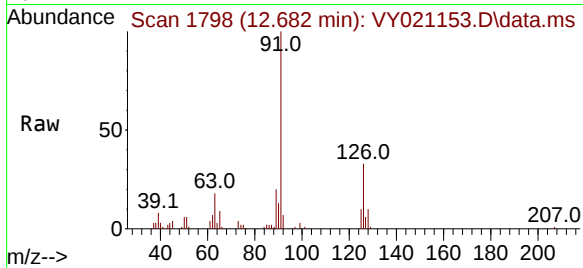




#79  
2-Chlorotoluene  
Concen: 4.089 ug/l  
RT: 12.682 min Scan# 1799  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

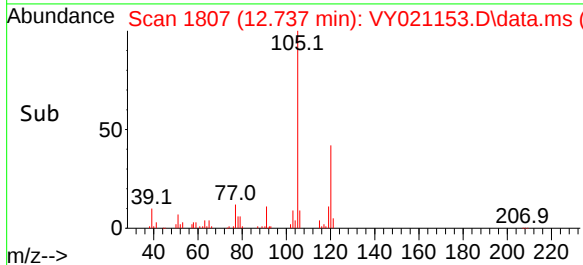
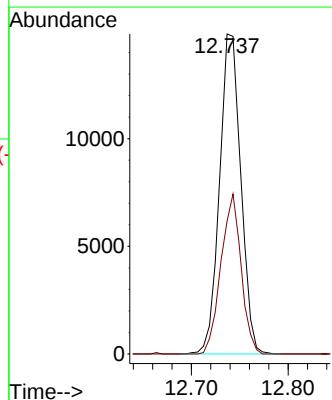
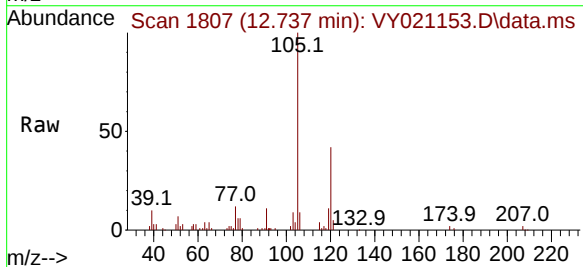
Instrument :  
MSVOA\_Y  
ClientSampleId :

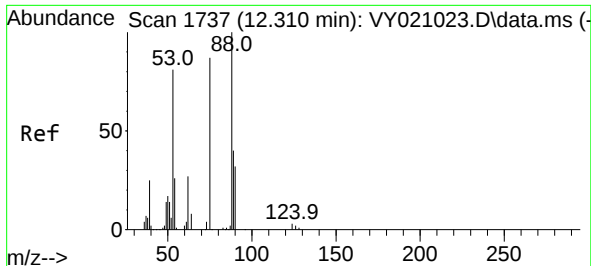
Tgt Ion: 91 Resp: 19456  
Ion Ratio Lower Upper  
91 100  
126 32.7 17.0 51.0



#80  
1,3,5-Trimethylbenzene  
Concen: 4.018 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 105 Resp: 22718  
Ion Ratio Lower Upper  
105 100  
120 47.1 24.3 72.8

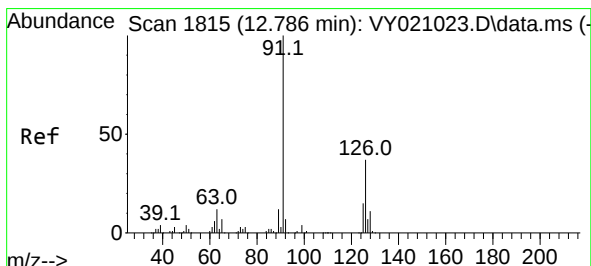
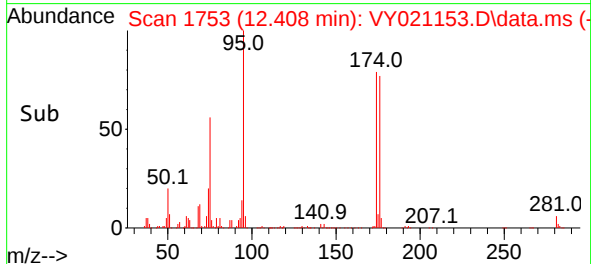
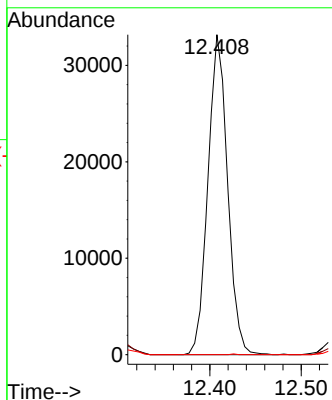
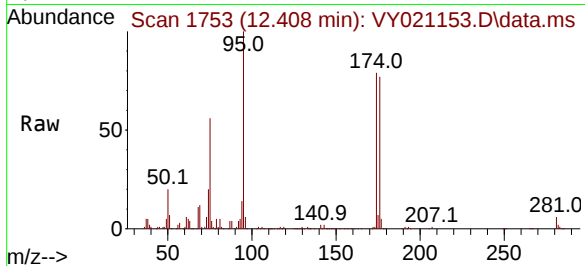




#81  
trans-1,4-Dichloro-2-butene  
Concen: 124.359 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.097 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

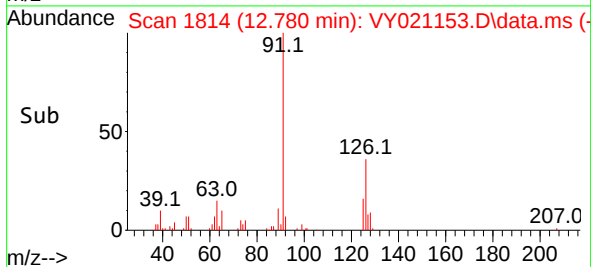
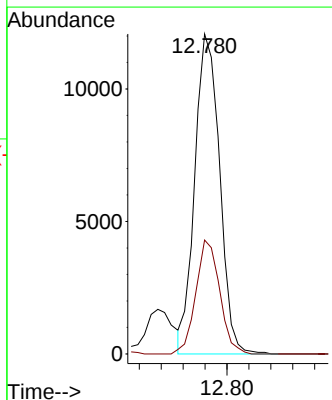
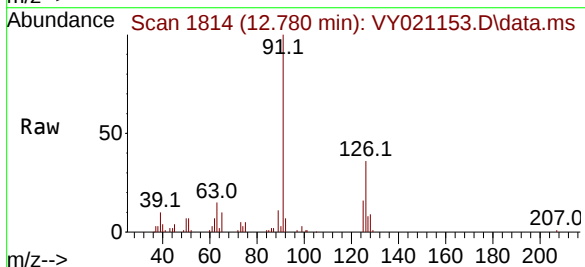
Instrument :  
MSVOA\_Y  
ClientSampleId :

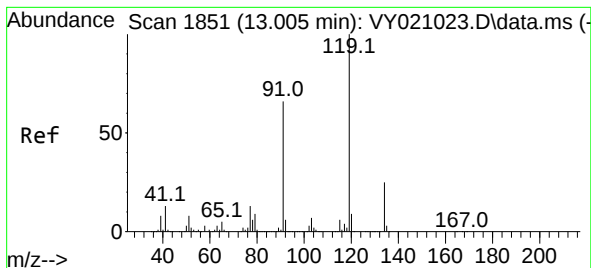
Tgt Ion: 75 Resp: 49361  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.1 36.5 54.7#



#82  
4-Chlorotoluene  
Concen: 3.920 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. -0.006 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 91 Resp: 19007  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 3.922 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. -0.006 min

Lab File: VY021153.D

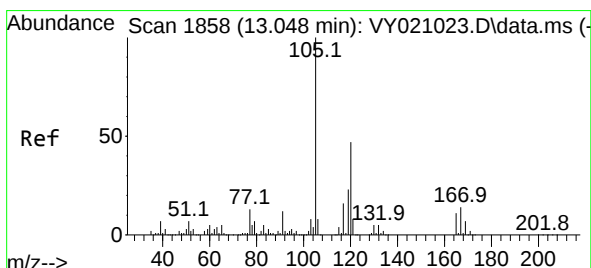
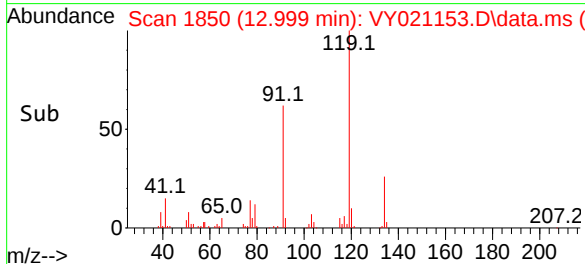
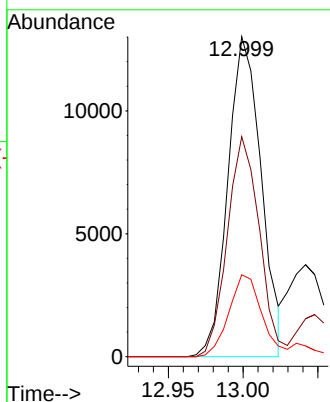
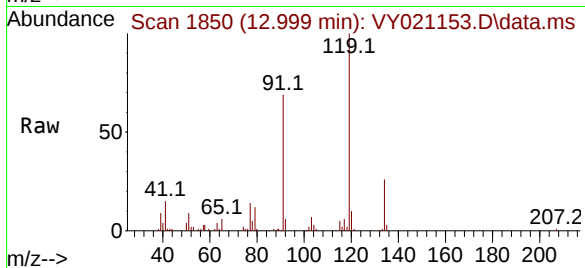
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:119 | Resp: | 20156     |
| Ion Ratio   | Lower | Upper     |
| 119         | 100   |           |
| 91          | 66.6  | 31.5 94.5 |
| 134         | 25.4  | 13.1 39.3 |



#84

1,2,4-Trimethylbenzene

Concen: 3.845 ug/l

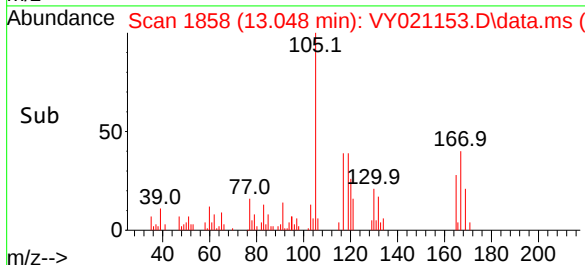
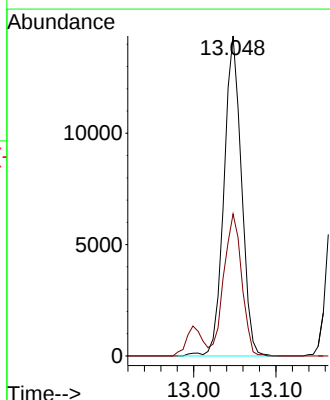
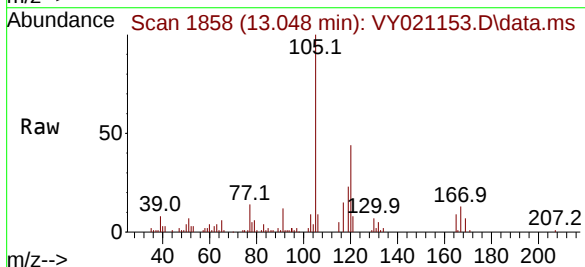
RT: 13.048 min Scan# 1858

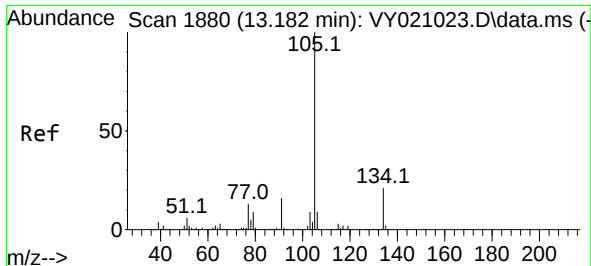
Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 21259     |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 120         | 45.6  | 22.1 66.3 |

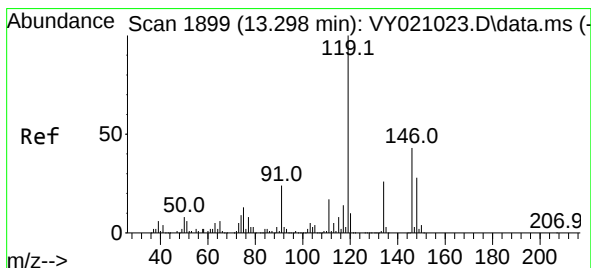
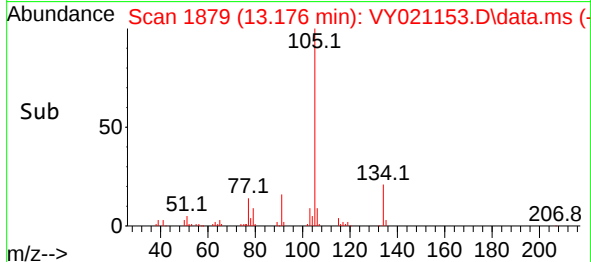
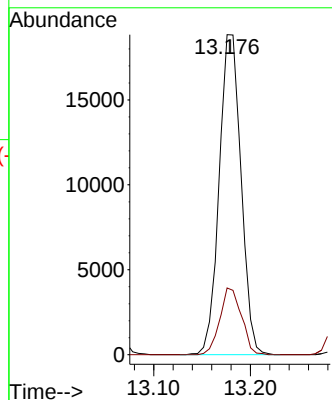
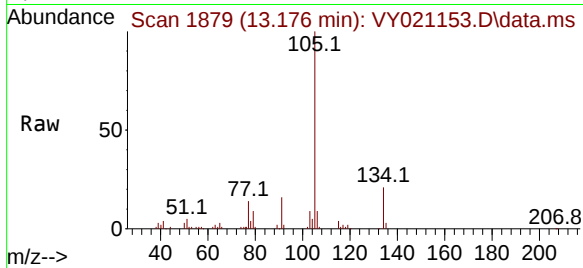




#85  
 sec-Butylbenzene  
 Concen: 3.997 ug/l  
 RT: 13.176 min Scan# 1879  
 Delta R.T. -0.006 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

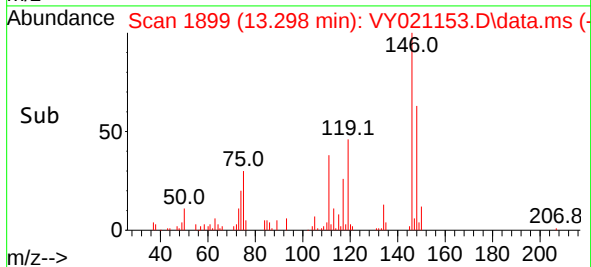
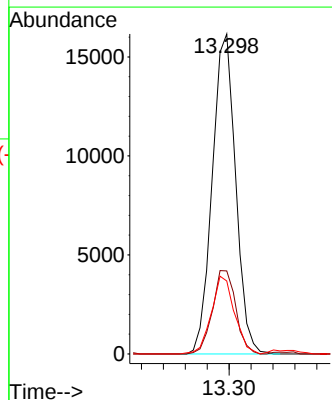
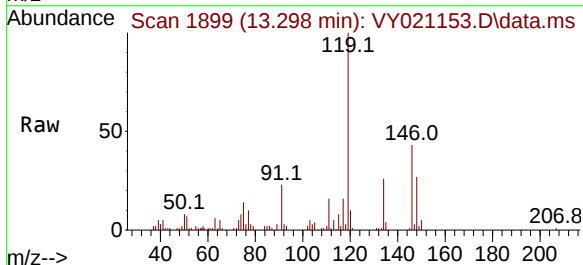
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

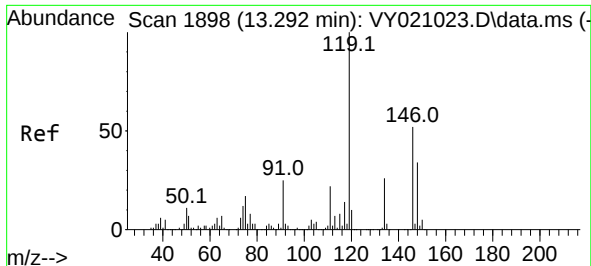
Tgt Ion:105 Resp: 29569  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 3.892 ug/l  
 RT: 13.298 min Scan# 1899  
 Delta R.T. -0.000 min  
 Lab File: VY021153.D  
 Acq: 10 Feb 2025 13:05

Tgt Ion:119 Resp: 23920  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.1 39.1  
 91 24.1 11.7 35.0

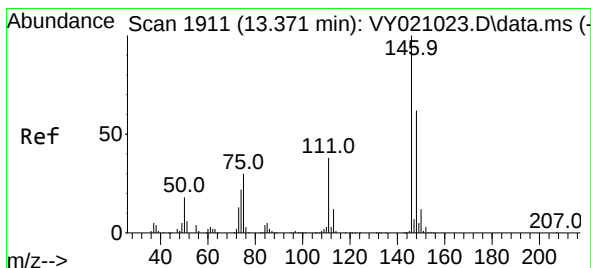
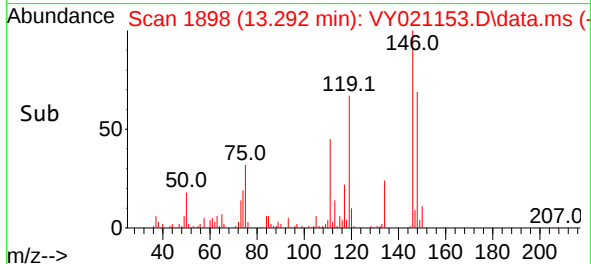
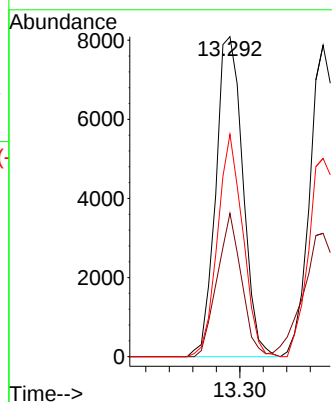
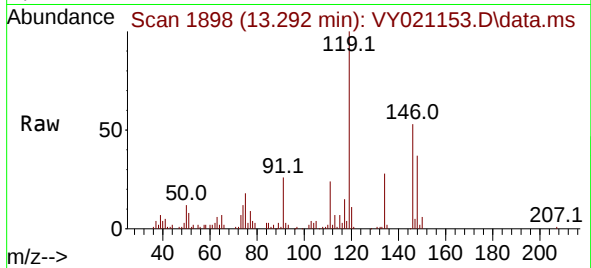




#87  
1,3-Dichlorobenzene  
Concen: 4.171 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

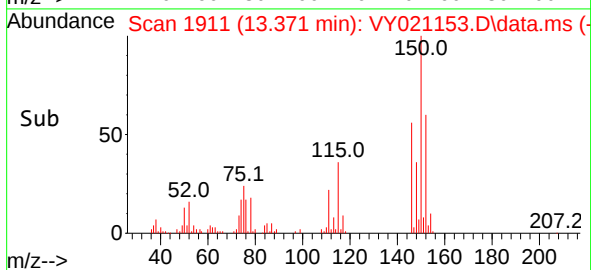
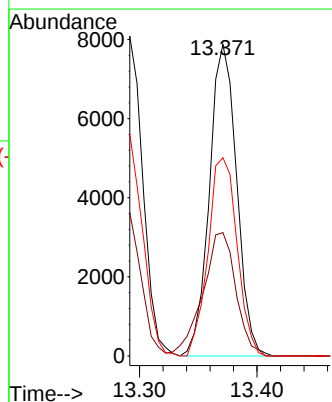
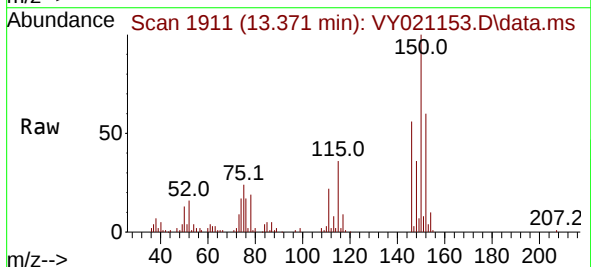
Instrument :  
MSVOA\_Y  
ClientSampleId :

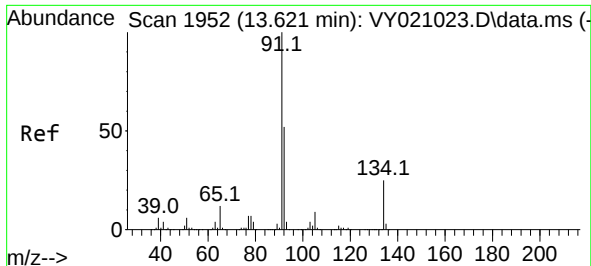
Tgt Ion:146 Resp: 12963  
Ion Ratio Lower Upper  
146 100  
111 40.1 20.2 60.5  
148 64.9 31.9 95.9



#88  
1,4-Dichlorobenzene  
Concen: 4.153 ug/l  
RT: 13.371 min Scan# 1911  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion:146 Resp: 12708  
Ion Ratio Lower Upper  
146 100  
111 48.2 19.3 57.9  
148 67.7 31.6 94.7





#89

n-Butylbenzene

Concen: 3.797 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VY021153.D

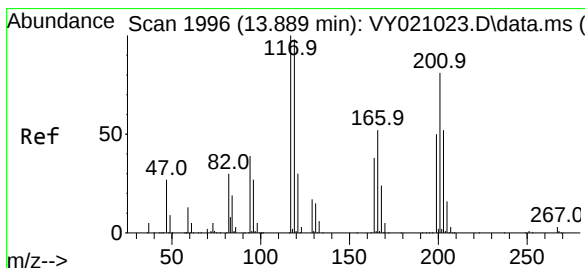
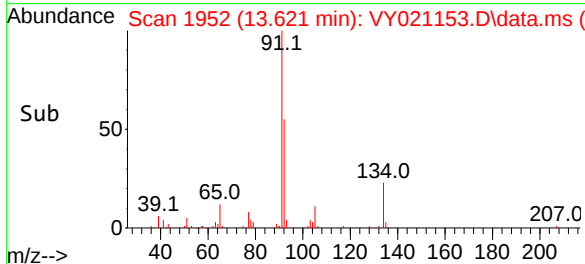
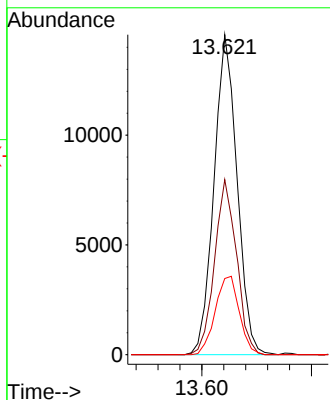
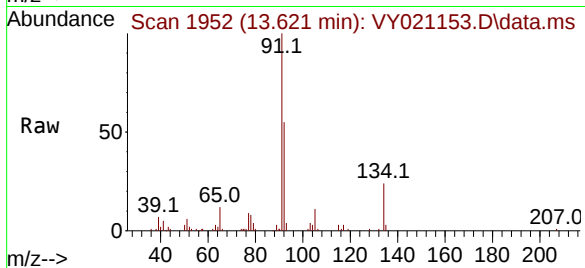
Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 21289 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.2  | 26.4  | 79.2  |
| 134      | 25.6  | 12.3  | 36.8  |



#90

Hexachloroethane

Concen: 4.306 ug/l

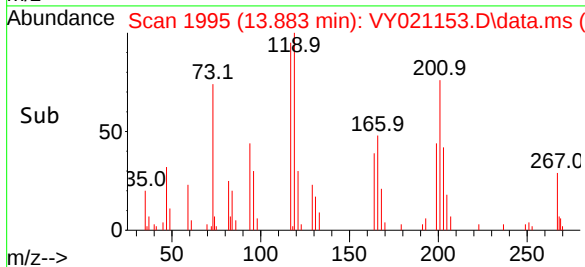
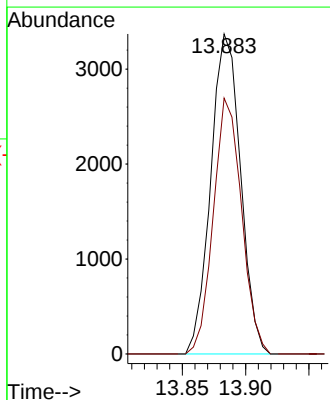
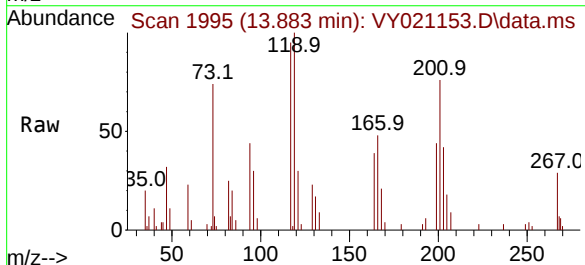
RT: 13.883 min Scan# 1995

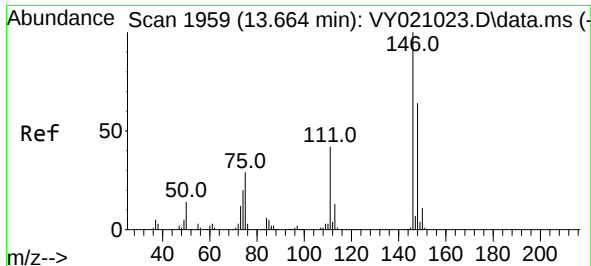
Delta R.T. -0.006 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5521  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 75.8  | 33.4  | 100.1 |

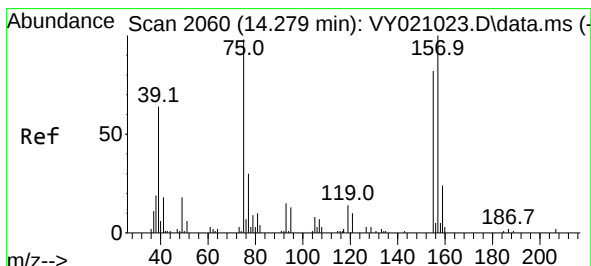
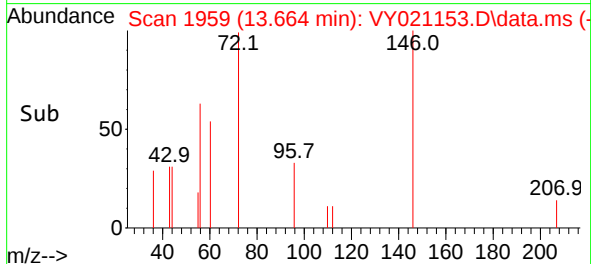
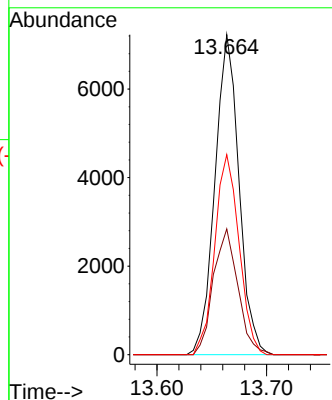
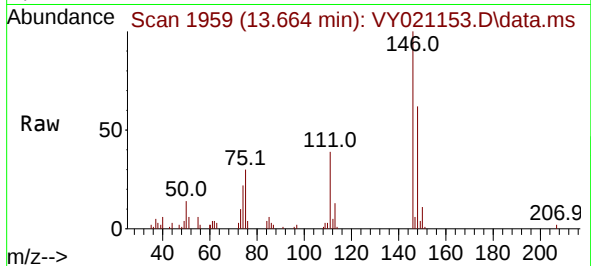




#91  
1,2-Dichlorobenzene  
Concen: 4.092 ug/l  
RT: 13.664 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

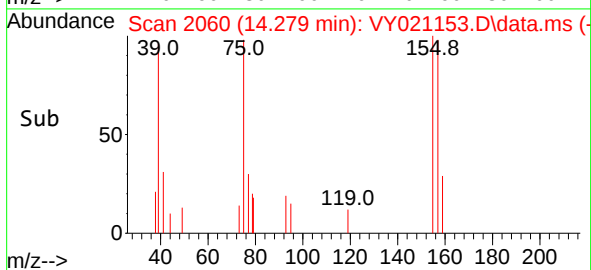
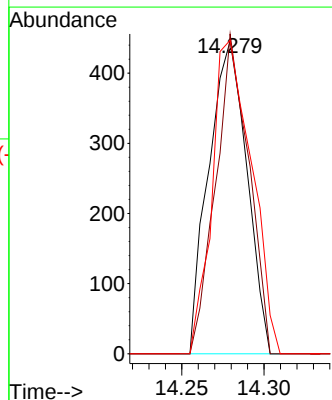
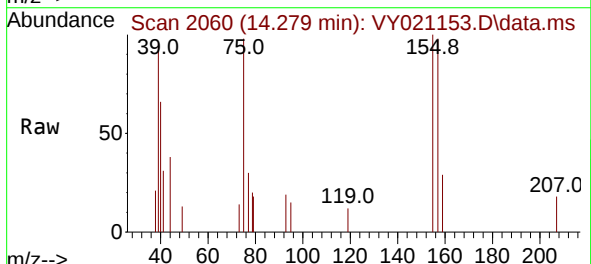
Instrument :  
MSVOA\_Y  
ClientSampleId :

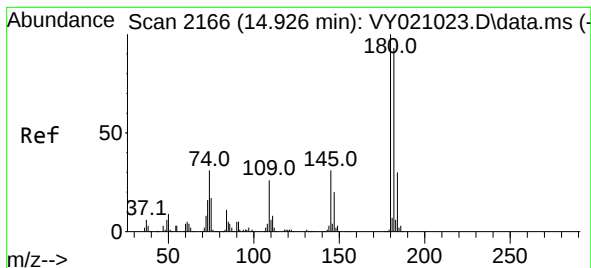
Tgt Ion:146 Resp: 11037  
Ion Ratio Lower Upper  
146 100  
111 40.3 20.5 61.6  
148 63.1 31.4 94.3



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.137 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: VY021153.D  
Acq: 10 Feb 2025 13:05

Tgt Ion: 75 Resp: 717  
Ion Ratio Lower Upper  
75 100  
155 89.0 42.1 126.3  
157 103.9 55.8 167.4





#93

1,2,4-Trichlorobenzene

Concen: 3.605 ug/l

RT: 14.926 min Scan# 2166

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

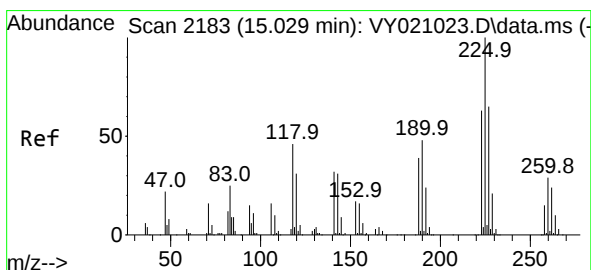
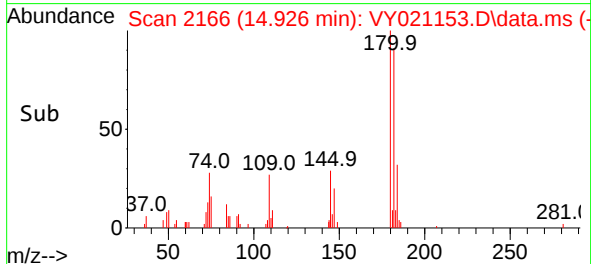
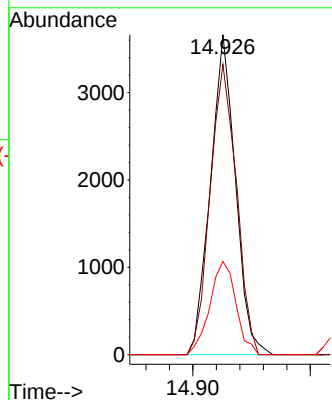
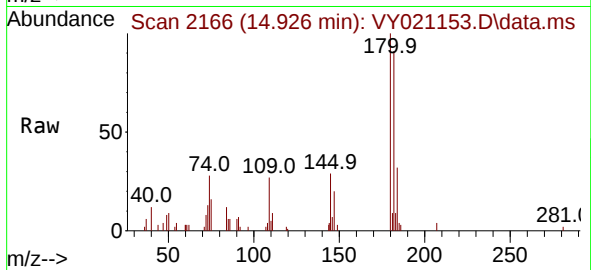
Tgt Ion:180 Resp: 5413

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.4 15.9 47.7



#94

Hexachlorobutadiene

Concen: 4.069 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

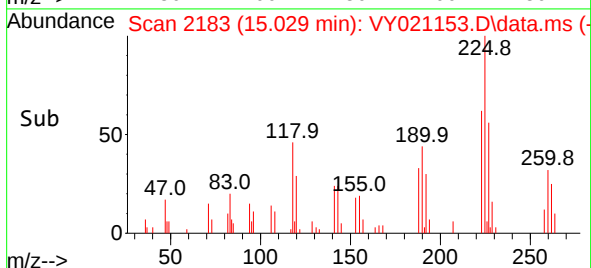
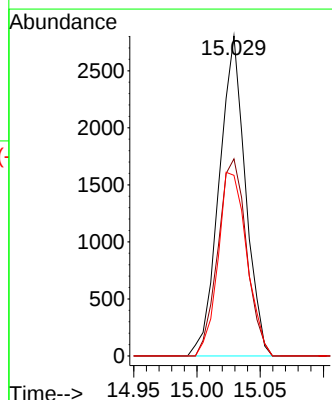
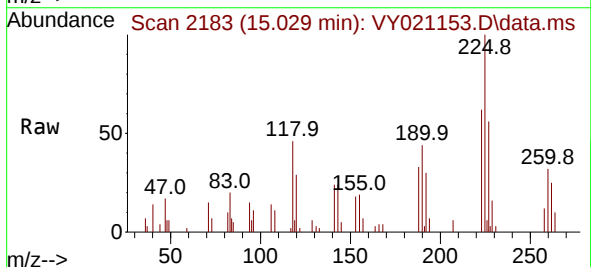
Tgt Ion:225 Resp: 4048

Ion Ratio Lower Upper

225 100

223 66.8 31.4 94.3

227 62.9 32.3 96.8





#95

Naphthalene

Concen: 3.351 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Instrument :

MSVOA\_Y

ClientSampleId :

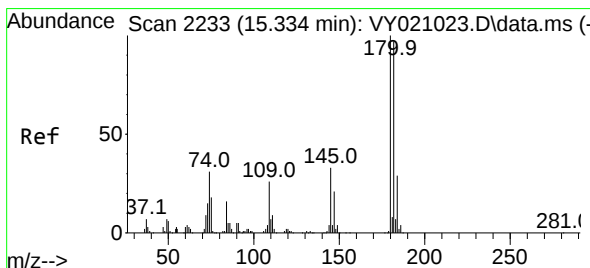
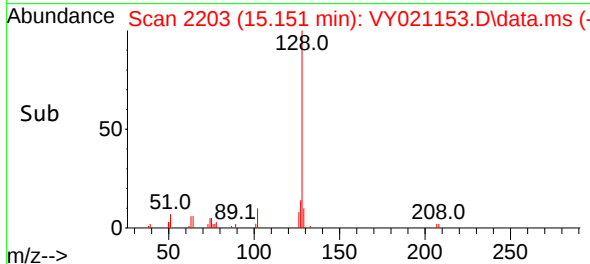
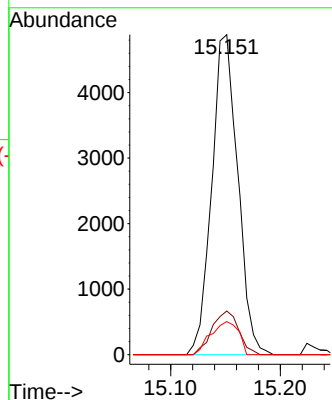
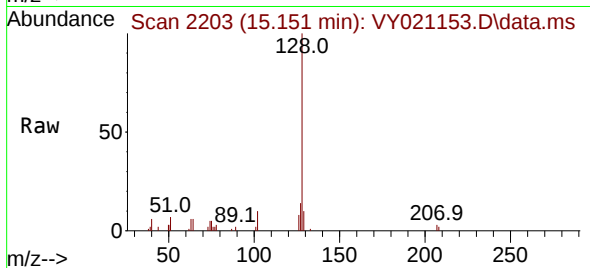
Tgt Ion:128 Resp: 8050

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 11.0 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 3.757 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. -0.000 min

Lab File: VY021153.D

Acq: 10 Feb 2025 13:05

Tgt Ion:180 Resp: 4694

Ion Ratio Lower Upper

180 100

182 90.6 46.3 138.8

145 29.8 16.1 48.2

