

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040925\  
 Data File : VY021809.D  
 Acq On : 09 Apr 2025 10:53  
 Operator : SY/MD  
 Sample : VY0409SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBS01

Quant Time: Apr 10 01:40:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 201578   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.622  | 114  | 308952   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 276460   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.353 | 152  | 140571   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 105741   | 48.415   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.840%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 105624   | 52.703   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.400% |
| 50) Toluene-d8              | 10.109 | 98    | 402676   | 52.815   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 105.640% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 131050   | 50.816   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 101.640% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 41023  | 19.635 | ug/l   | 97  |
| 3) Chloromethane             | 2.068 | 50  | 58192  | 19.808 | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.208 | 62  | 64011  | 19.266 | ug/l   | 100 |
| 5) Bromomethane              | 2.598 | 94  | 43236  | 19.080 | ug/l   | 100 |
| 6) Chloroethane              | 2.739 | 64  | 42378  | 19.493 | ug/l   | 96  |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 85820  | 20.164 | ug/l   | 97  |
| 8) Diethyl Ether             | 3.458 | 74  | 20860  | 18.023 | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 47170  | 21.013 | ug/l   | 99  |
| 10) Methyl Iodide            | 4.013 | 142 | 58219  | 23.641 | ug/l   | 98  |
| 11) Tert butyl alcohol       | 4.872 | 59  | 11054  | 77.922 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 42406  | 20.056 | ug/l   | 97  |
| 13) Acrolein                 | 3.659 | 56  | 11734  | 45.300 | ug/l   | 96  |
| 14) Allyl chloride           | 4.385 | 41  | 63589  | 18.863 | ug/l   | 98  |
| 15) Acrylonitrile            | 5.067 | 53  | 44941  | 92.994 | ug/l   | 99  |
| 16) Acetone                  | 3.879 | 43  | 34100  | 76.289 | ug/l   | 92  |
| 17) Carbon Disulfide         | 4.110 | 76  | 135655 | 19.479 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 21582  | 19.482 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 95735  | 18.187 | ug/l   | 98  |
| 20) Methylene Chloride       | 4.622 | 84  | 51132  | 21.146 | ug/l   | 92  |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 47066  | 20.218 | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.025 | 45  | 143788 | 20.333 | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.970 | 43  | 371740 | 89.856 | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 87399  | 20.669 | ug/l   | 99  |
| 25) 2-Butanone               | 6.896 | 43  | 52956  | 82.946 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 75627  | 20.106 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.896 | 96  | 53263  | 20.345 | ug/l   | 99  |
| 28) Bromochloromethane       | 7.250 | 49  | 35403  | 19.852 | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.268 | 42  | 35745  | 86.994 | ug/l   | 99  |
| 30) Chloroform               | 7.427 | 83  | 91807  | 20.874 | ug/l   | 99  |
| 31) Cyclohexane              | 7.707 | 56  | 72673  | 18.853 | ug/l   | 93  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 80968  | 20.369 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 63518  | 20.808 | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 25903  | 17.980 | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 75426  | 21.573 | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.116 | 83  | 72930  | 19.999 | ug/l   | 98  |
| 40) Benzene                  | 8.085 | 78  | 194307 | 21.255 | ug/l   | 99  |

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 Sample : VY0409SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBS01

Quant Time: Apr 10 01:40:05 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 13283    | 17.361  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 52518    | 20.378  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 50430    | 18.472  | ug/l   | 98       |
| 44) Trichloroethene           | 8.866  | 130  | 49560    | 21.277  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 45384    | 20.973  | ug/l   | 96       |
| 46) Dibromomethane            | 9.237  | 93   | 25751    | 20.649  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 67993    | 21.041  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 22365    | 17.849  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 4870     | 364.528 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 128646   | 90.548  | ug/l   | 100      |
| 52) Toluene                   | 10.176 | 92   | 124239   | 21.782  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 55307    | 19.269  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 66831    | 19.737  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 33824    | 21.076  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.445 | 69   | 37306    | 18.205  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 56327    | 20.322  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 90260    | 90.288  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.762 | 43   | 82428    | 87.115  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 45127    | 20.595  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 29745    | 19.758  | ug/l   | 96       |
| 64) Tetrachloroethene         | 10.652 | 164  | 57749    | 22.935  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.444 | 112  | 130641   | 20.614  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 47873    | 21.291  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.524 | 91   | 222812   | 20.503  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.633 | 106  | 175704   | 42.223  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 78151    | 20.345  | ug/l   | 100      |
| 70) Styrene                   | 11.975 | 104  | 133003   | 20.767  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 25919    | 20.208  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.261 | 105  | 208103   | 19.932  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 41562    | 16.962  | ug/l # | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.511 | 83   | 34546    | 18.404  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 47623    | 34.177  | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 51293    | 20.461  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.597 | 91   | 260519   | 20.755  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 151225   | 20.743  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 178154   | 20.878  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 9932     | 16.424  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 157483   | 20.719  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 154398   | 20.314  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.048 | 105  | 176210   | 20.893  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.182 | 105  | 228544   | 20.576  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.298 | 119  | 191943   | 20.908  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 103331   | 20.922  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.371 | 146  | 101489   | 20.798  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.621 | 91   | 171780   | 20.233  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.883 | 117  | 39877    | 19.822  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.664 | 146  | 89841    | 20.896  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 5358     | 18.416  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 46862    | 20.099  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 31341    | 21.524  | ug/l   | 100      |
| 95) Naphthalene               | 15.151 | 128  | 69275    | 17.926  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 40645    | 20.443  | ug/l   | 97       |

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Operator : SY/MD  
Sample : VY0409SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

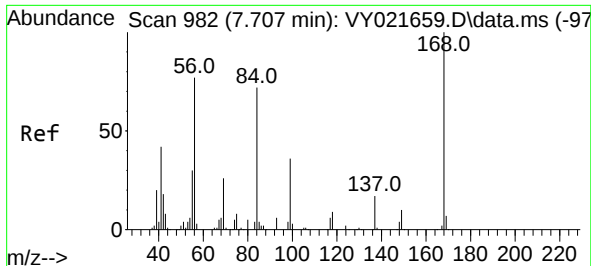
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

Quant Time: Apr 10 01:40:05 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

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

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

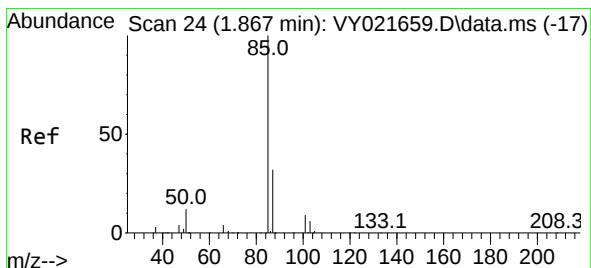
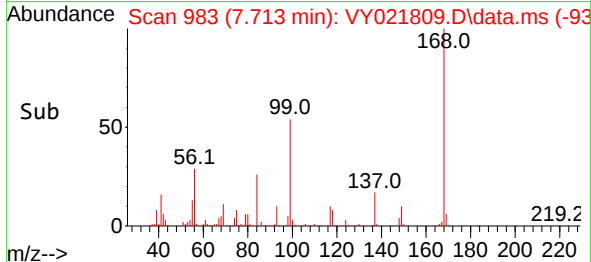
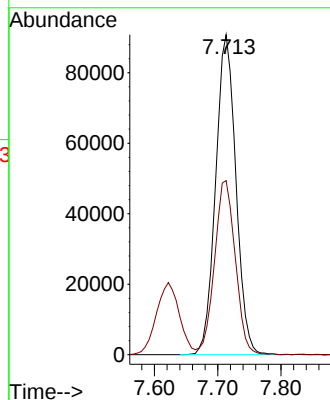
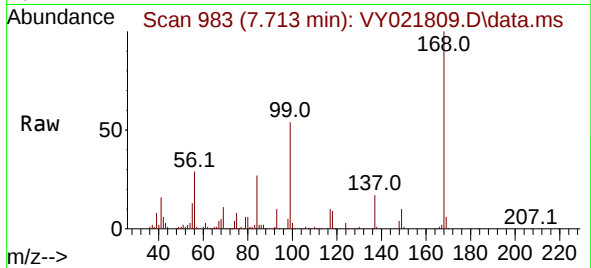




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

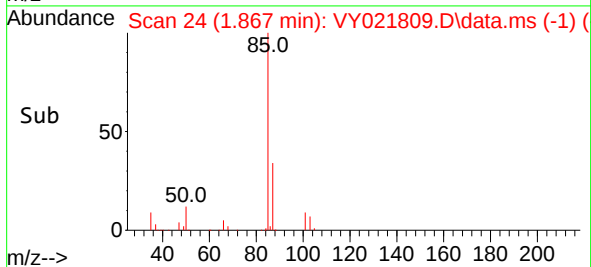
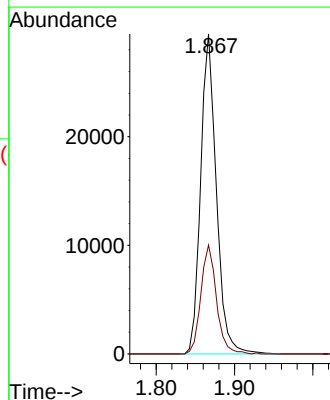
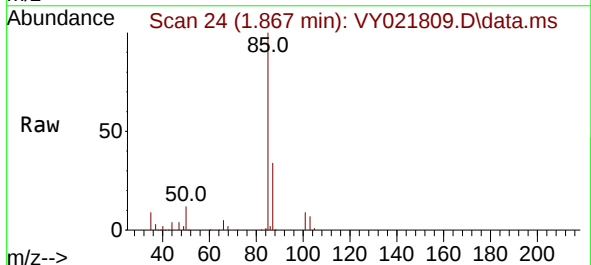
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

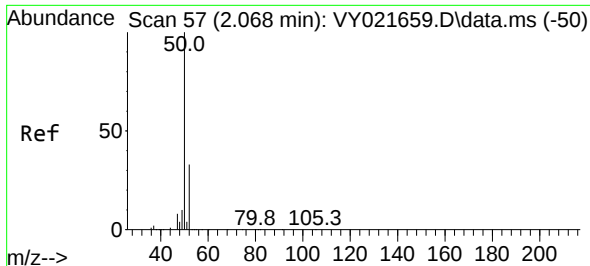
Tgt Ion:168 Resp: 201578  
Ion Ratio Lower Upper  
168 100  
99 54.4 46.7 70.1



#2  
Dichlorodifluoromethane  
Concen: 19.635 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 85 Resp: 41023  
Ion Ratio Lower Upper  
85 100  
87 34.1 16.2 48.6

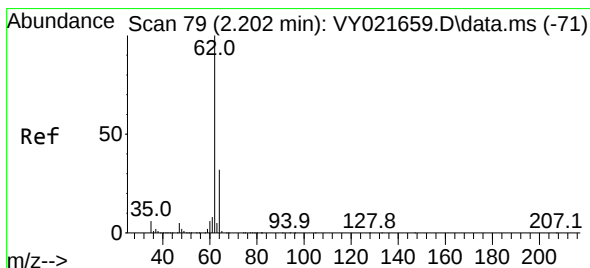
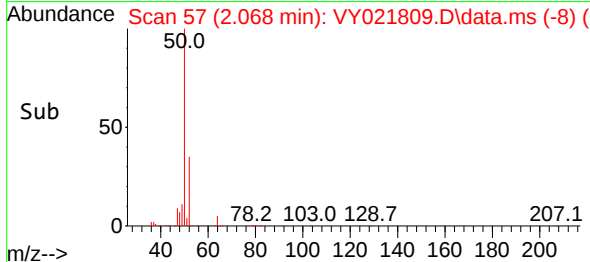
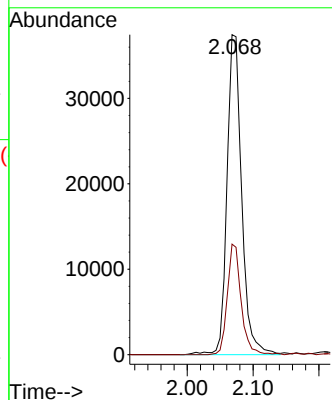
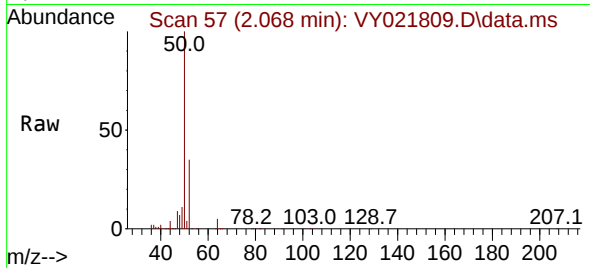




#3  
Chloromethane  
Concen: 19.808 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

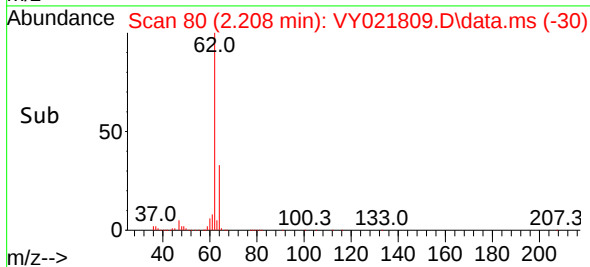
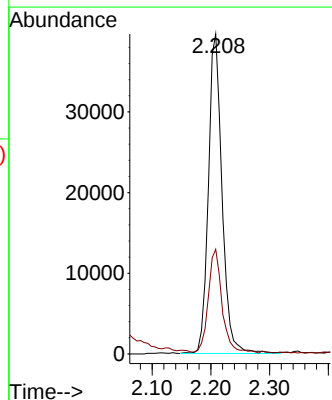
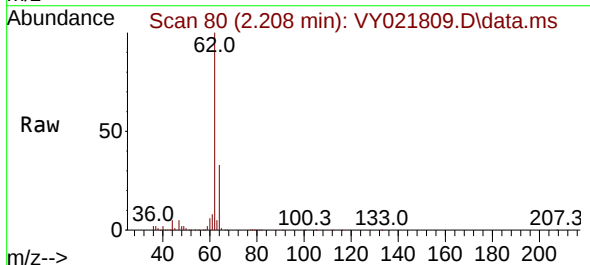
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

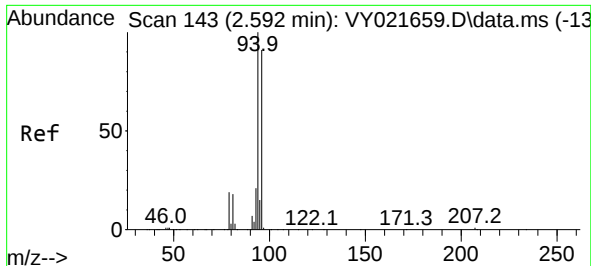
Tgt Ion: 50 Resp: 58192  
Ion Ratio Lower Upper  
50 100  
52 34.6 26.3 39.5



#4  
Vinyl Chloride  
Concen: 19.266 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 62 Resp: 64011  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.5 38.3

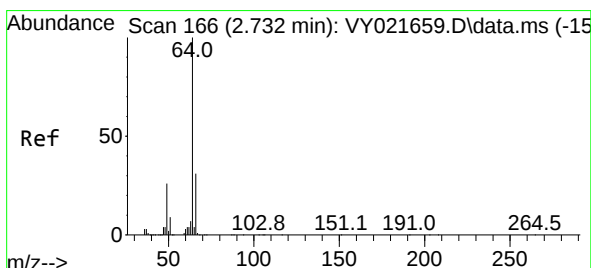
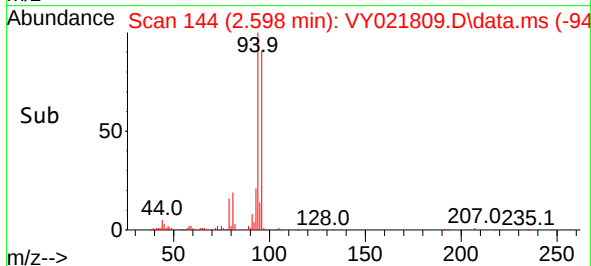
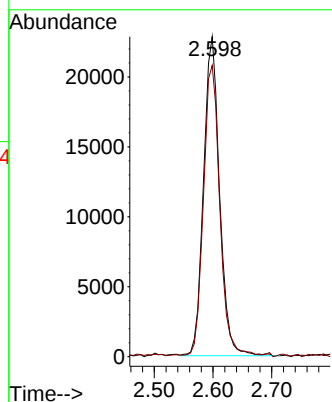
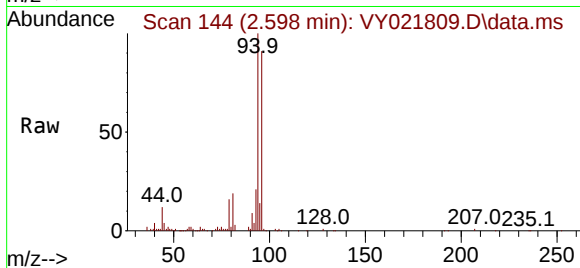




#5  
Bromomethane  
Concen: 19.080 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

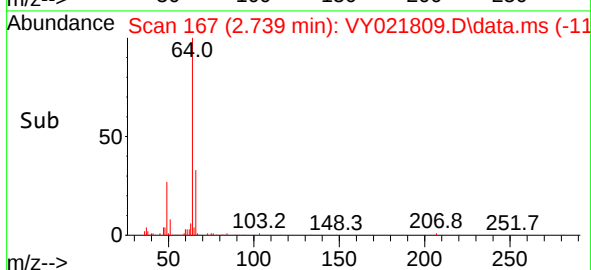
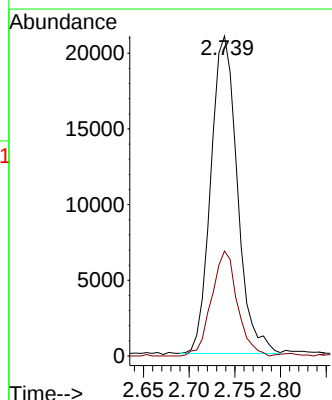
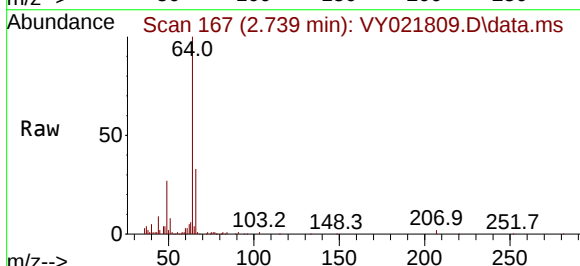
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

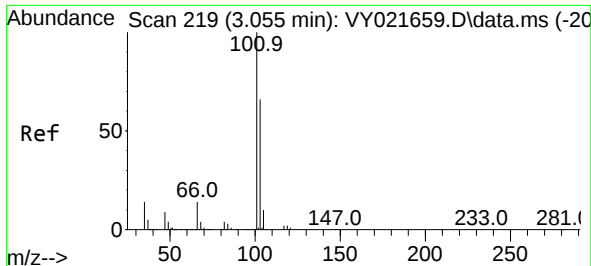
Tgt Ion: 94 Resp: 43236  
Ion Ratio Lower Upper  
94 100  
96 90.7 72.8 109.2



#6  
Chloroethane  
Concen: 19.493 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 64 Resp: 42378  
Ion Ratio Lower Upper  
64 100  
66 33.1 24.9 37.3

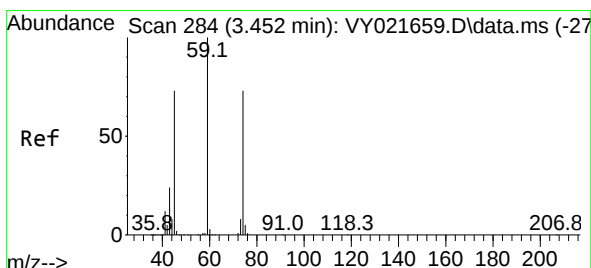
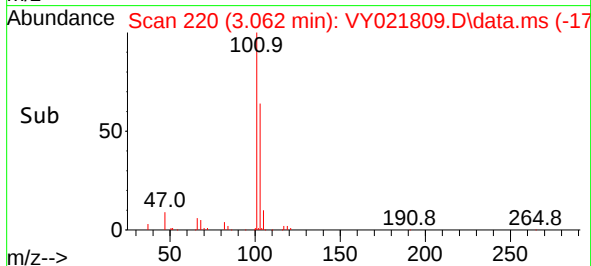
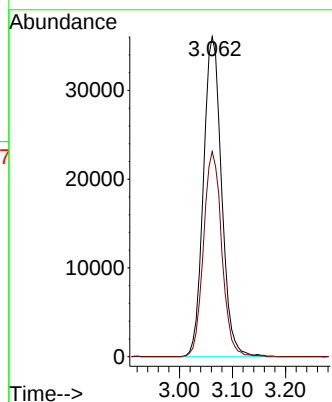
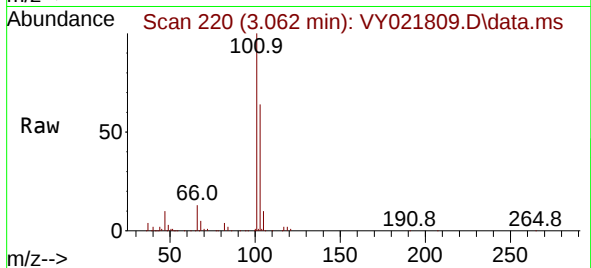




#7  
Trichlorofluoromethane  
Concen: 20.164 ug/l  
RT: 3.062 min Scan# 219  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

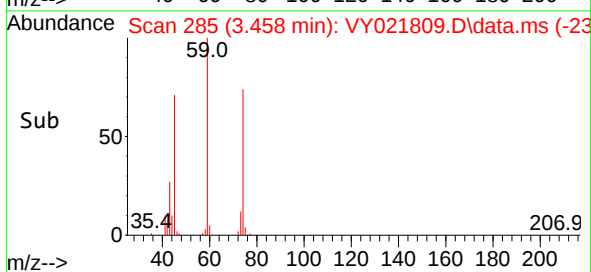
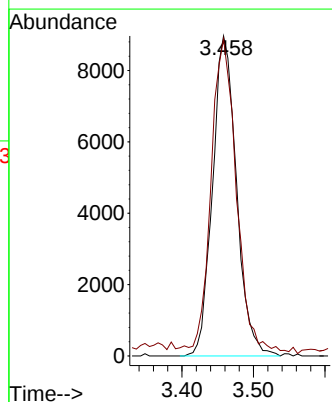
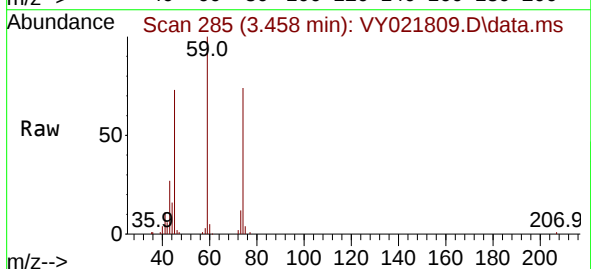
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

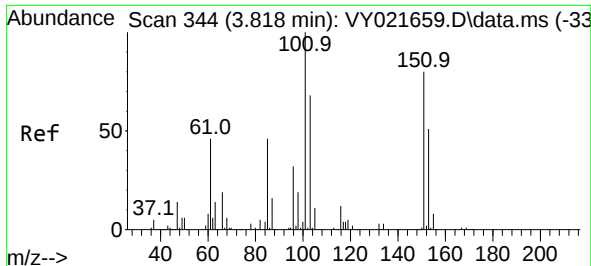
Tgt Ion:101 Resp: 85820  
Ion Ratio Lower Upper  
101 100  
103 64.1 53.1 79.7



#8  
Diethyl Ether  
Concen: 18.023 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 74 Resp: 20860  
Ion Ratio Lower Upper  
74 100  
45 102.0 48.6 145.8

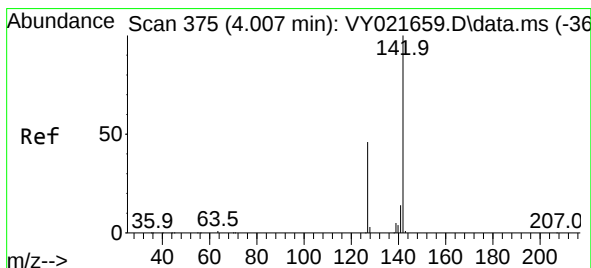
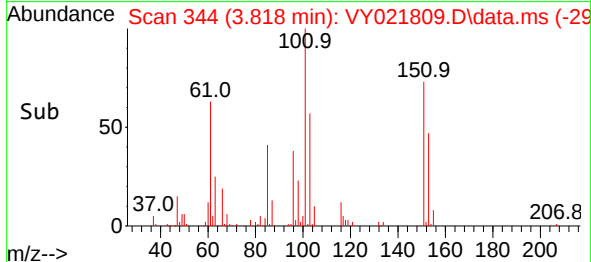
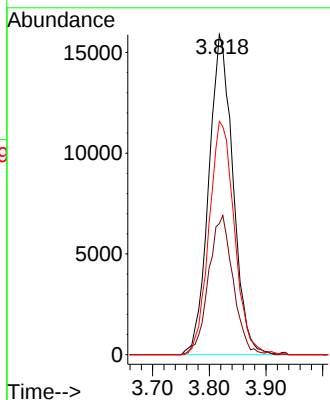
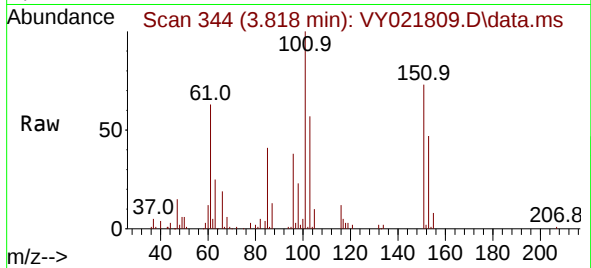




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.013 ug/l  
RT: 3.818 min Scan# 344  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

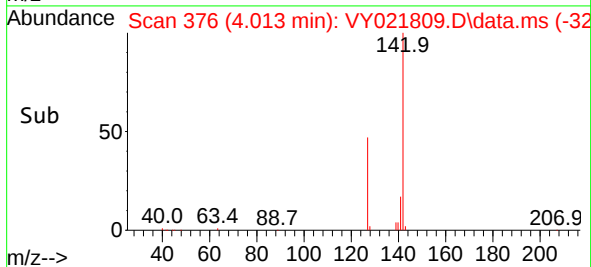
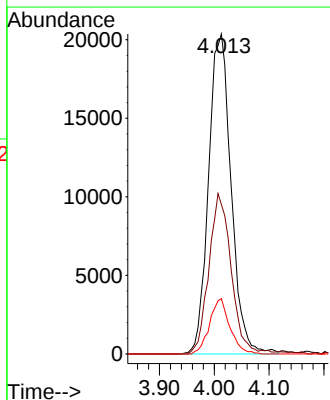
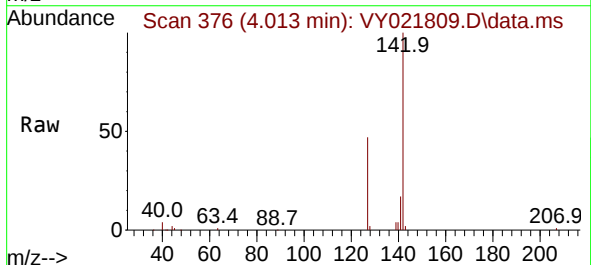
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

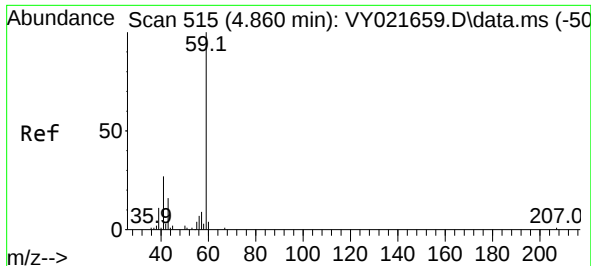
Tgt Ion:101 Resp: 47170  
Ion Ratio Lower Upper  
101 100  
85 44.0 36.3 54.5  
151 76.3 61.3 91.9



#10  
Methyl Iodide  
Concen: 23.641 ug/l  
RT: 4.013 min Scan# 376  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion:142 Resp: 58219  
Ion Ratio Lower Upper  
142 100  
127 49.6 38.7 58.1  
141 15.5 11.5 17.3

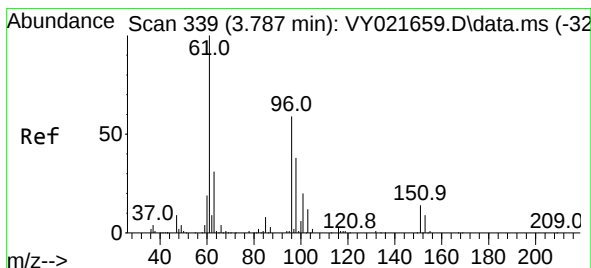
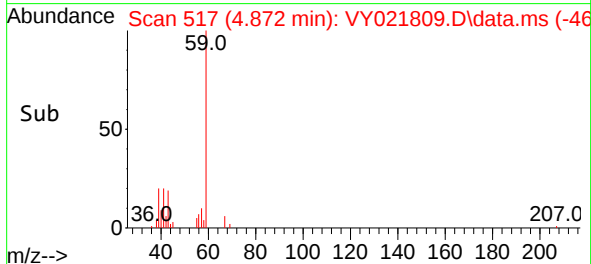
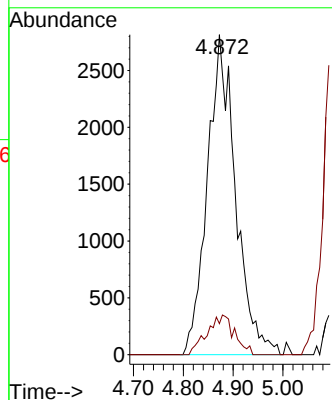
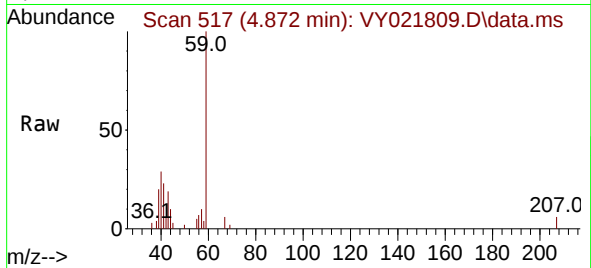




#11  
Tert butyl alcohol  
Concen: 77.922 ug/l  
RT: 4.872 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

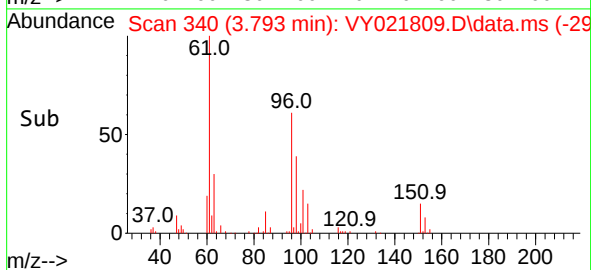
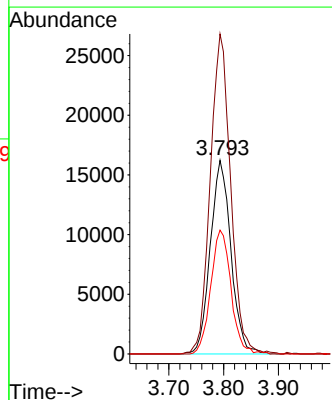
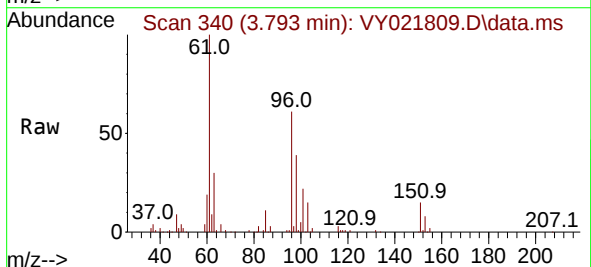
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

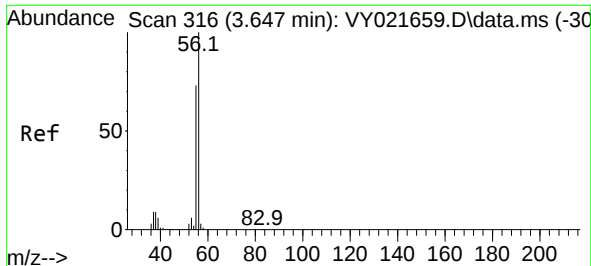
Tgt Ion: 59 Resp: 11054  
Ion Ratio Lower Upper  
59 100  
57 12.0 9.2 13.8



#12  
1,1-Dichloroethene  
Concen: 20.056 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 96 Resp: 42406  
Ion Ratio Lower Upper  
96 100  
61 165.3 136.6 204.8  
98 64.0 52.3 78.5





#13

Acrolein

Concen: 45.300 ug/l

RT: 3.659 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

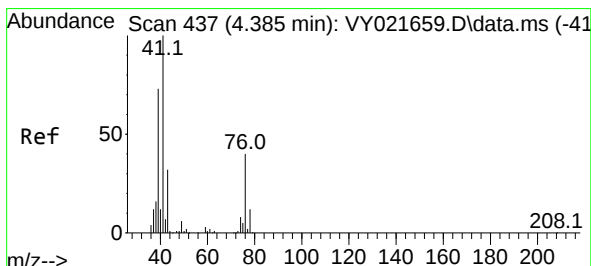
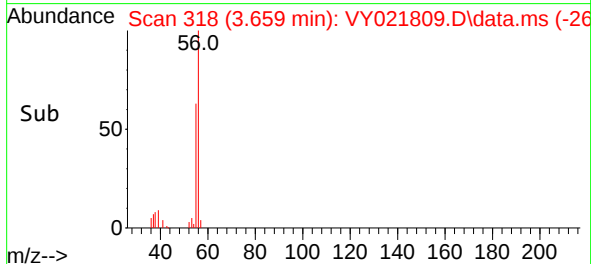
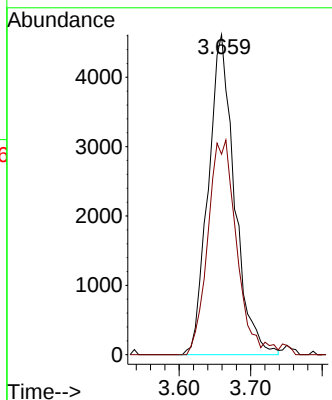
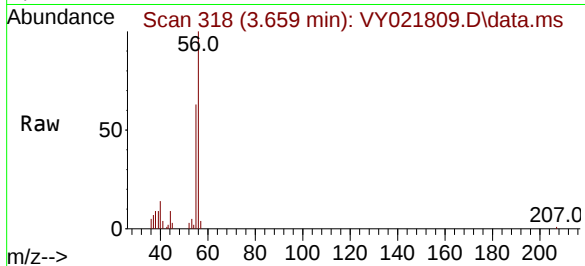
VY0409SBS01

Tgt Ion: 56 Resp: 11734

Ion Ratio Lower Upper

56 100

55 73.7 56.6 85.0



#14

Allyl chloride

Concen: 18.863 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

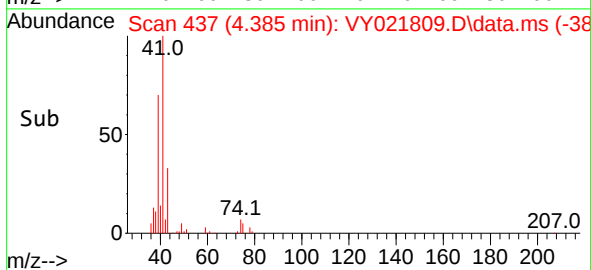
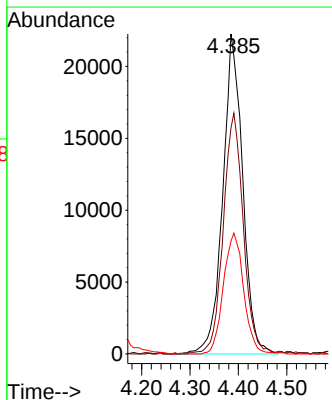
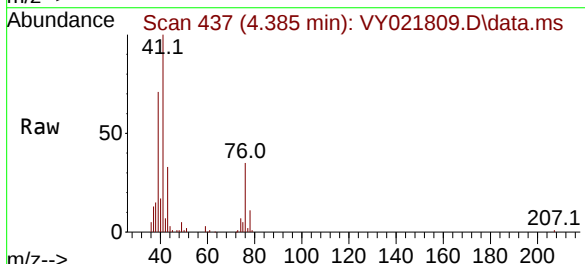
Tgt Ion: 41 Resp: 63589

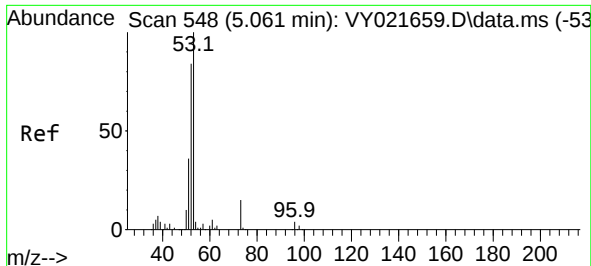
Ion Ratio Lower Upper

41 100

39 75.9 58.6 88.0

76 38.5 30.3 45.5

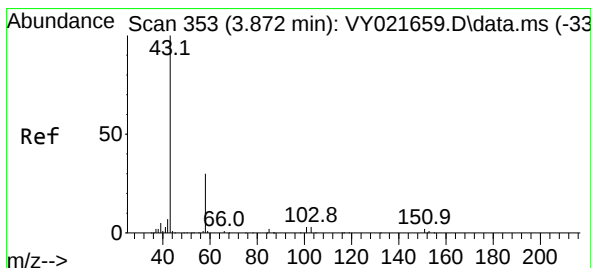
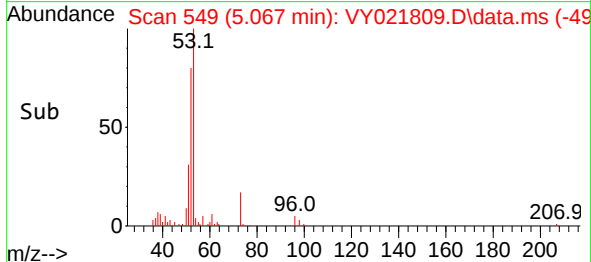
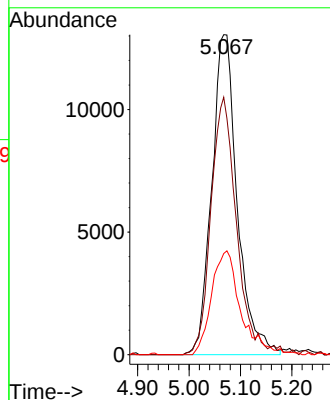
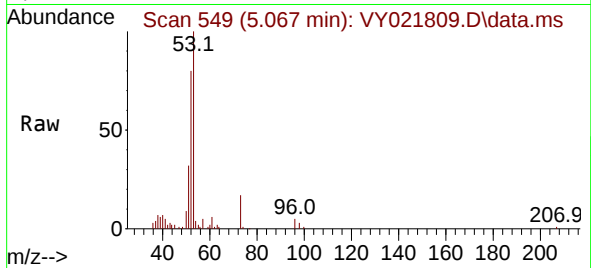




#15  
Acrylonitrile  
Concen: 92.994 ug/l  
RT: 5.067 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

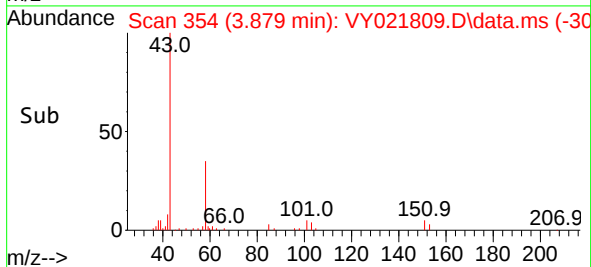
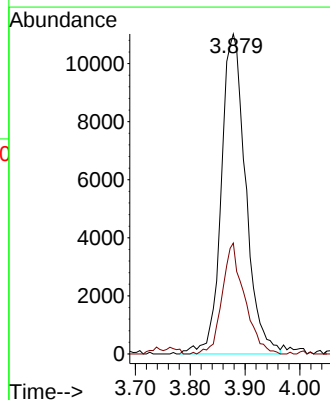
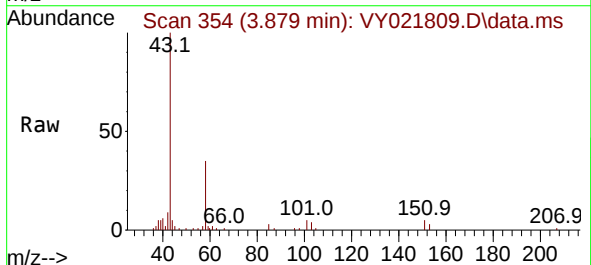
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

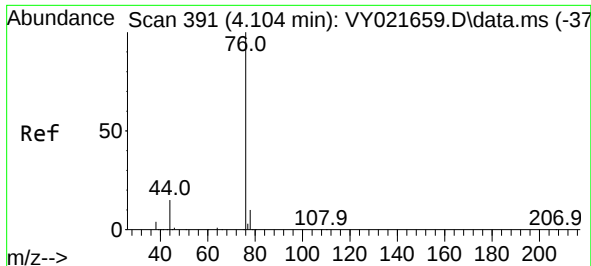
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 79.8  | 64.9  | 97.3  |
| 51      | 37.1  | 30.2  | 45.2  |



#16  
Acetone  
Concen: 76.289 ug/l  
RT: 3.879 min Scan# 354  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 34.7  | 24.2  | 36.4  |

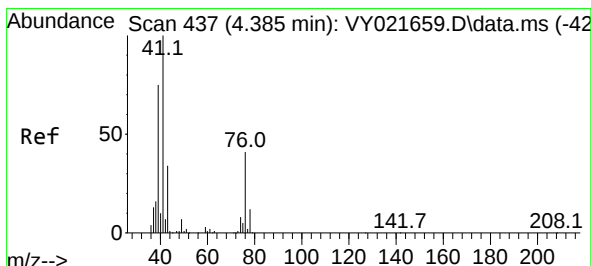
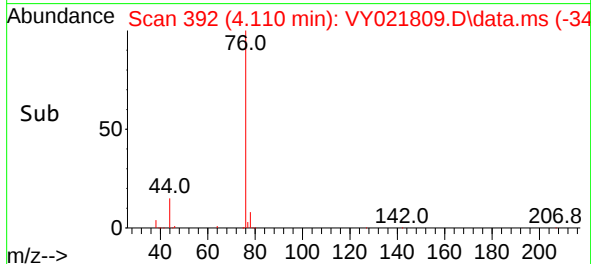
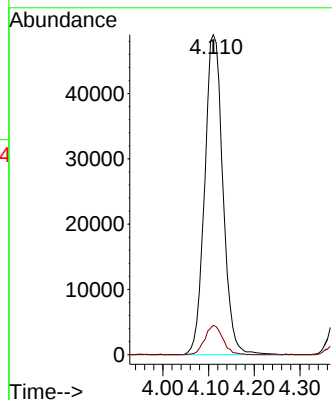
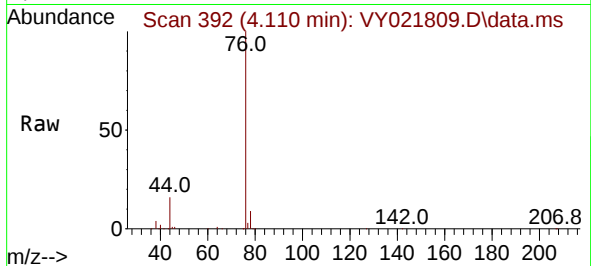




#17  
Carbon Disulfide  
Concen: 19.479 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

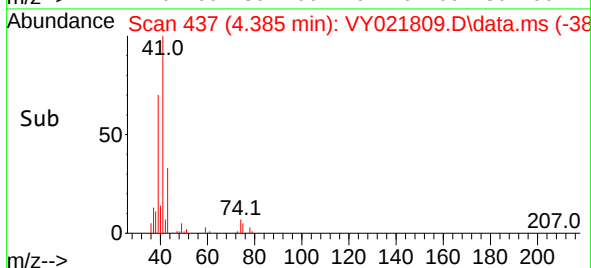
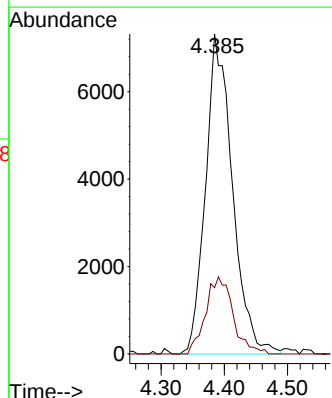
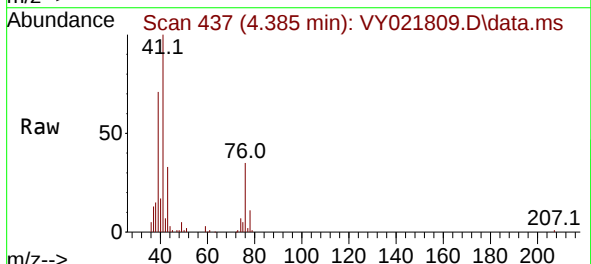
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

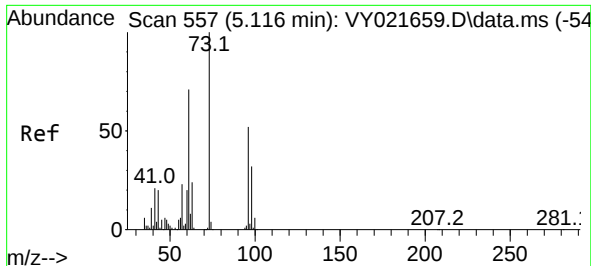
Tgt Ion: 76 Resp: 135655  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.6 11.4



#18  
Methyl Acetate  
Concen: 19.482 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 43 Resp: 21582  
Ion Ratio Lower Upper  
43 100  
74 24.5 19.1 28.7





#19

Methyl tert-butyl Ether

Concen: 18.187 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

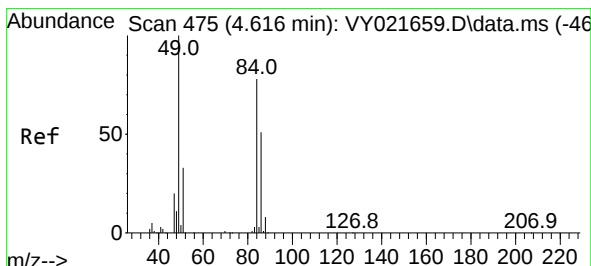
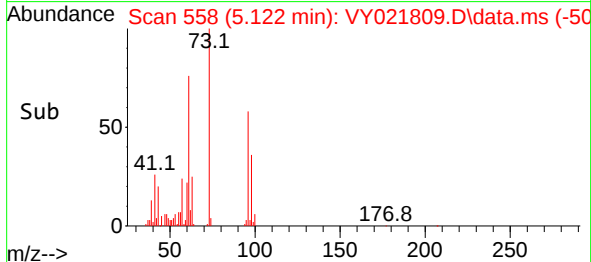
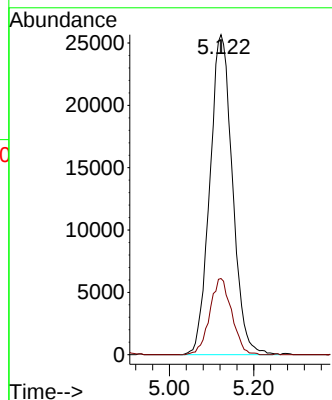
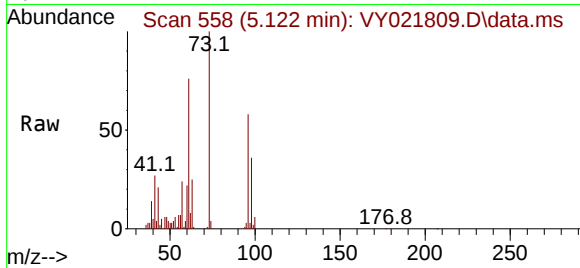
VY0409SBS01

Tgt Ion: 73 Resp: 95735

Ion Ratio Lower Upper

73 100

57 23.8 18.1 27.1



#20

Methylene Chloride

Concen: 21.146 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Tgt Ion: 84 Resp: 51132

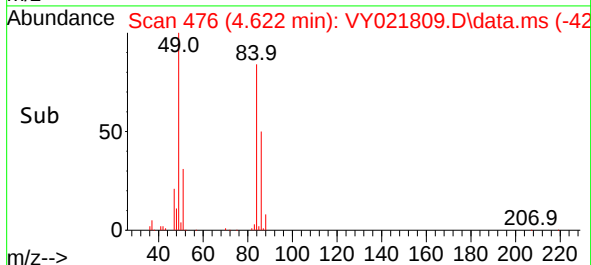
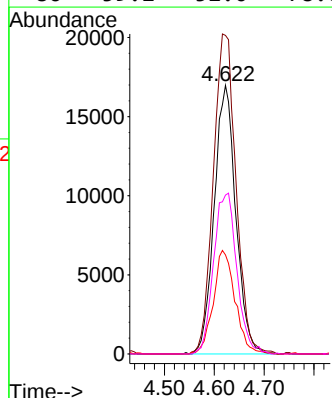
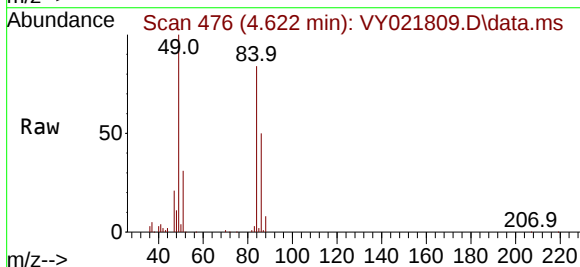
Ion Ratio Lower Upper

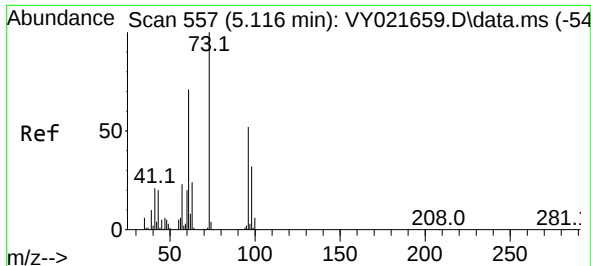
84 100

49 118.6 102.8 154.2

51 36.9 33.5 50.3

86 59.2 52.0 78.0

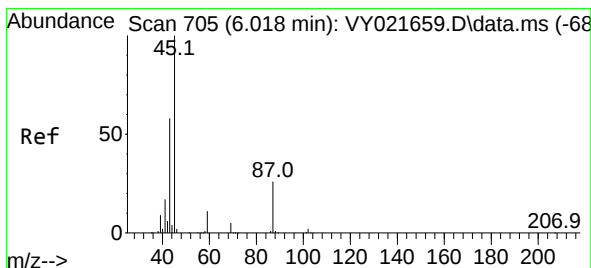
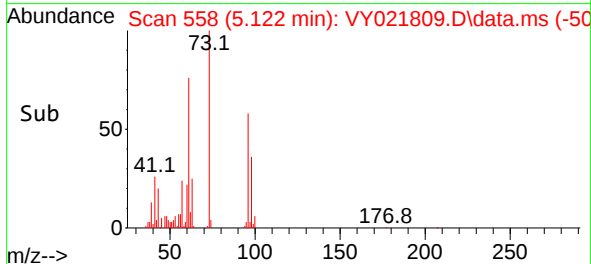
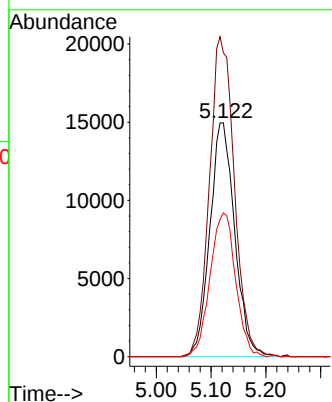
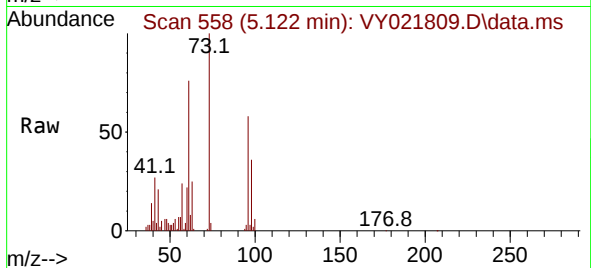




#21  
trans-1,2-Dichloroethene  
Concen: 20.218 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

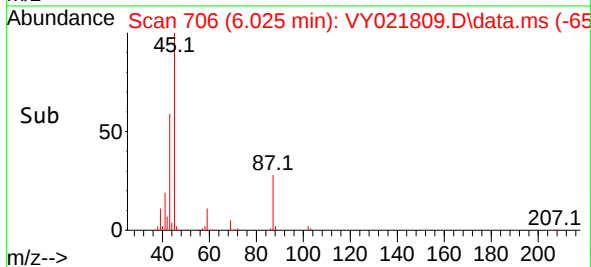
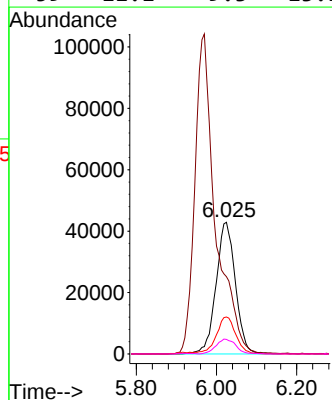
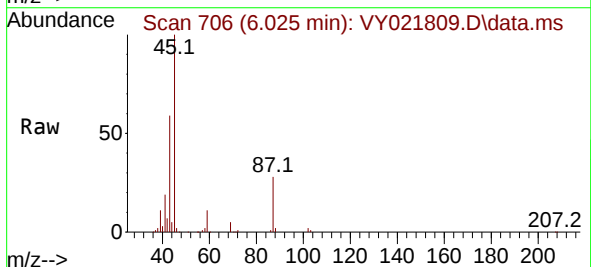
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

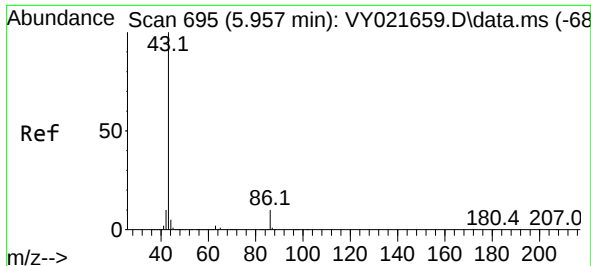
Tgt Ion: 96 Resp: 47066  
Ion Ratio Lower Upper  
96 100  
61 130.0 109.4 164.0  
98 61.5 50.2 75.2



#22  
Diisopropyl ether  
Concen: 20.333 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 45 Resp: 143788  
Ion Ratio Lower Upper  
45 100  
43 58.3 46.6 69.8  
87 28.1 20.7 31.1  
59 11.1 9.3 13.9

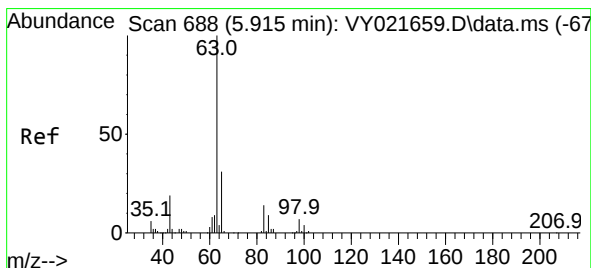
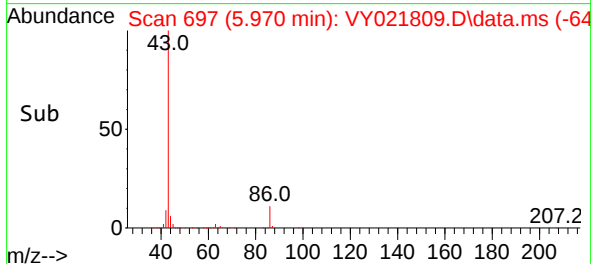
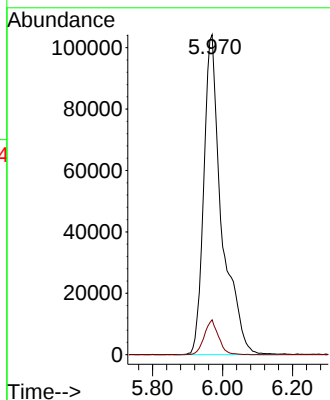
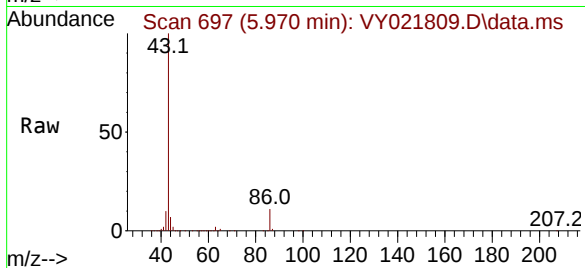




#23  
 Vinyl Acetate  
 Concen: 89.856 ug/l  
 RT: 5.970 min Scan# 695  
 Delta R.T. 0.012 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

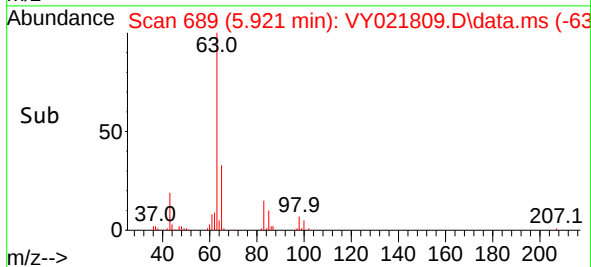
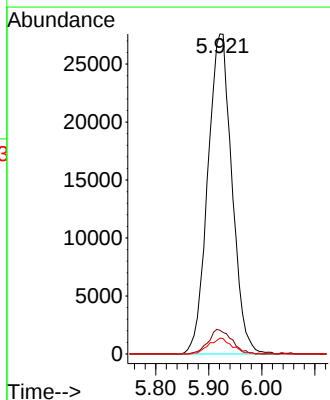
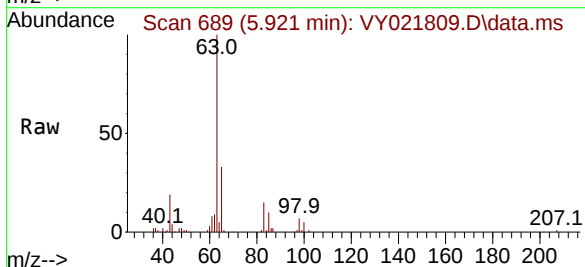
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBSD01

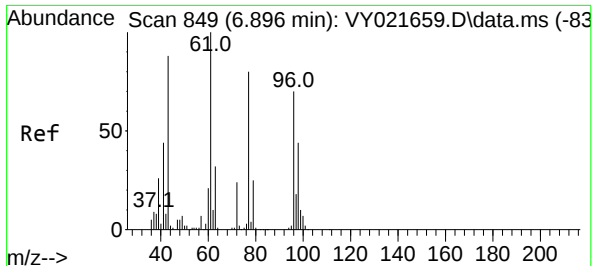
Tgt Ion: 43 Resp: 371740  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 8.2 12.2



#24  
 1,1-Dichloroethane  
 Concen: 20.669 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

Tgt Ion: 63 Resp: 87399  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.5  
 100 5.0 2.2 6.6





#25

2-Butanone

Concen: 82.946 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

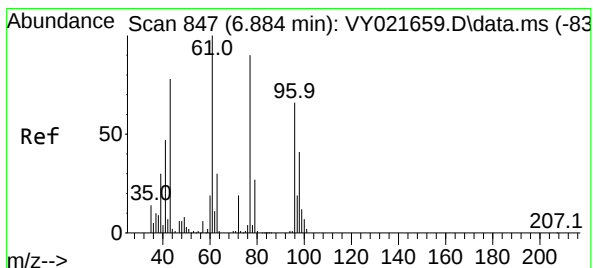
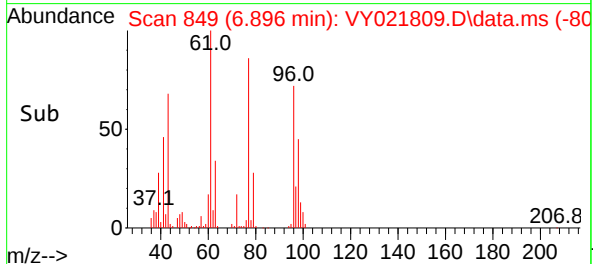
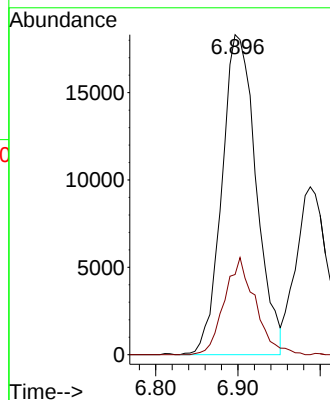
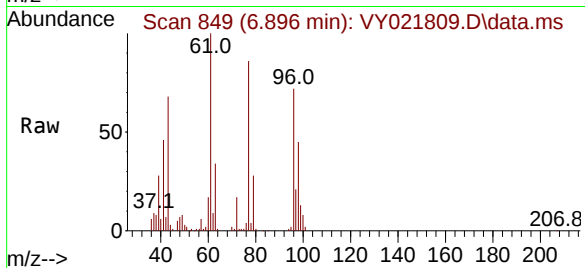
VY0409SBS01

Tgt Ion: 43 Resp: 52956

Ion Ratio Lower Upper

43 100

72 25.1 21.4 32.2



#26

2,2-Dichloropropane

Concen: 20.106 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY021809.D

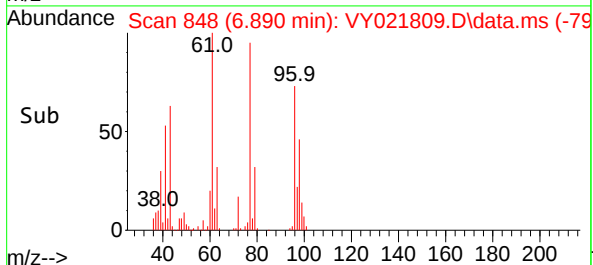
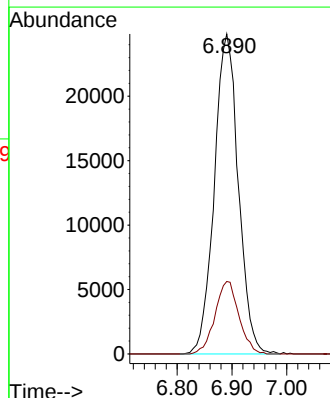
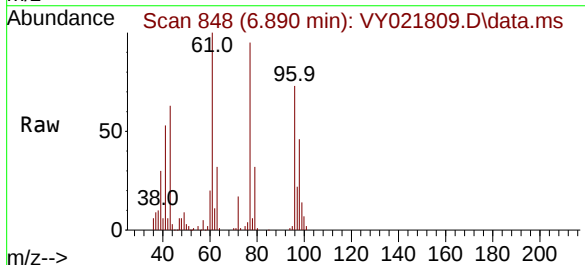
Acq: 09 Apr 2025 10:53

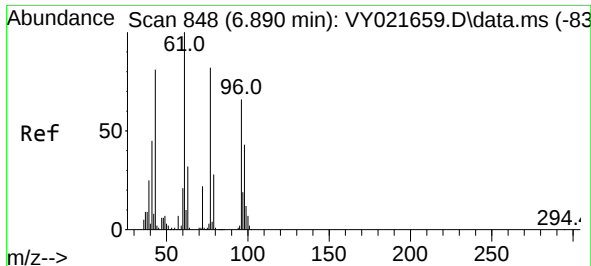
Tgt Ion: 77 Resp: 75627

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 20.345 ug/l

RT: 6.896 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

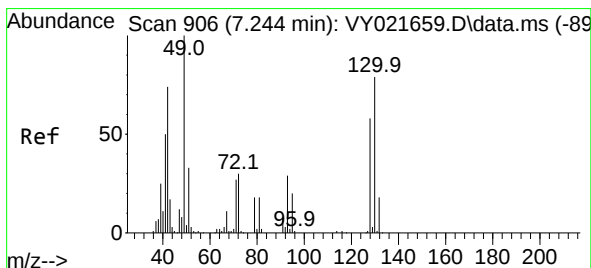
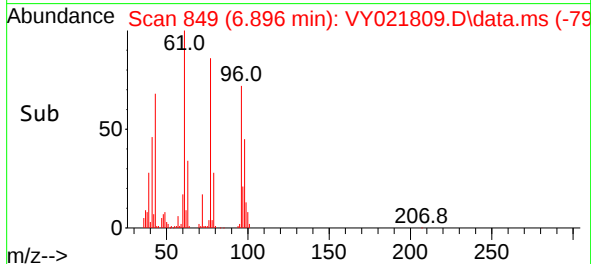
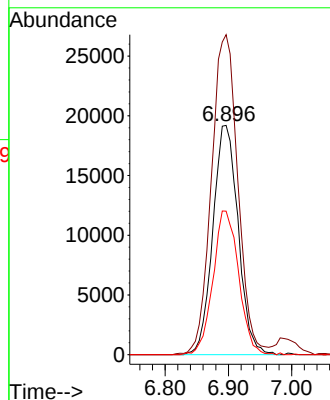
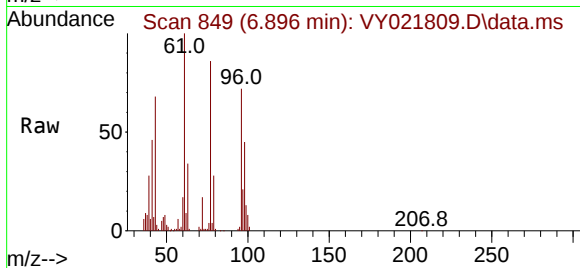
Tgt Ion: 96 Resp: 53263

Ion Ratio Lower Upper

96 100

61 146.2 0.0 296.4

98 63.5 0.0 128.0



#28

Bromochloromethane

Concen: 19.852 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

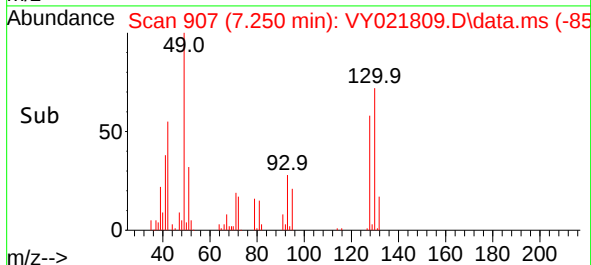
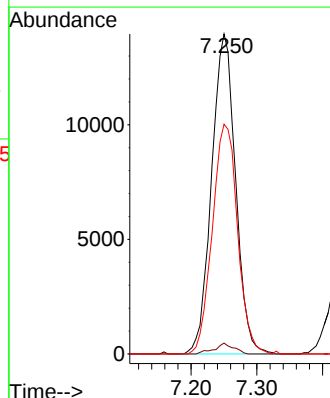
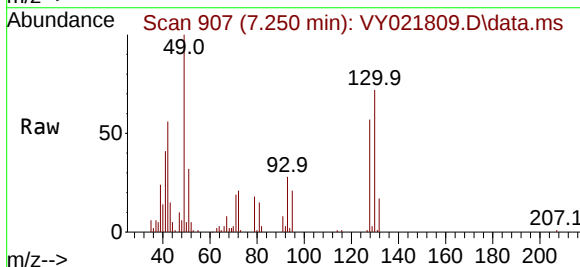
Tgt Ion: 49 Resp: 35403

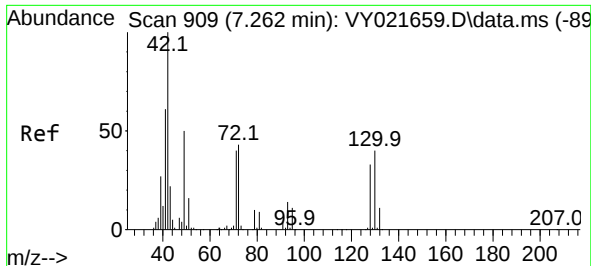
Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.4

130 75.5 60.1 90.1





#29

Tetrahydrofuran

Concen: 86.994 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

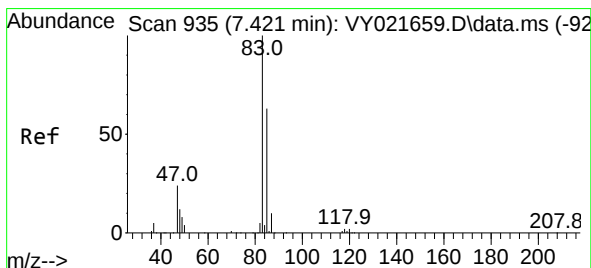
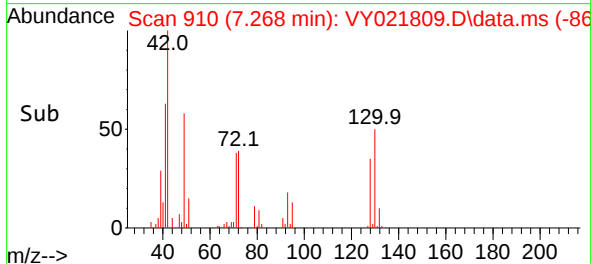
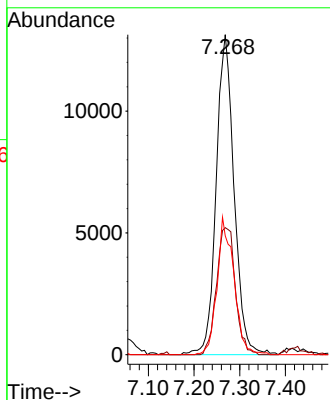
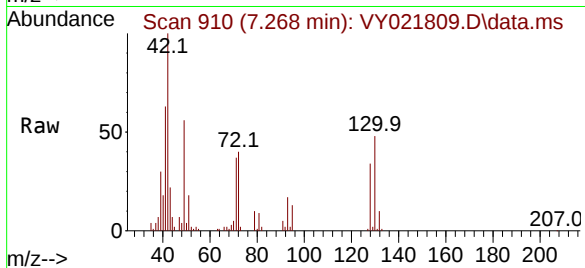
Tgt Ion: 42 Resp: 35745

Ion Ratio Lower Upper

42 100

72 41.9 34.6 52.0

71 40.4 32.5 48.7



#30

Chloroform

Concen: 20.874 ug/l

RT: 7.427 min Scan# 936

Delta R.T. 0.006 min

Lab File: VY021809.D

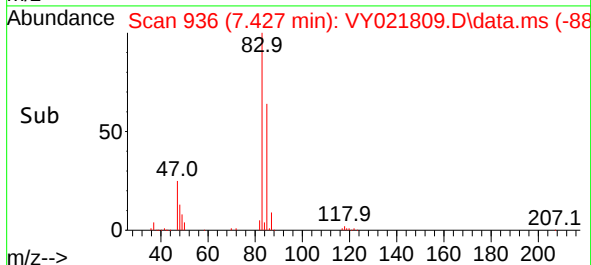
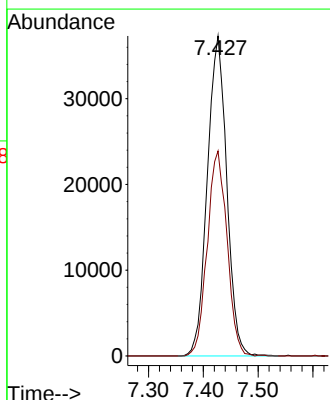
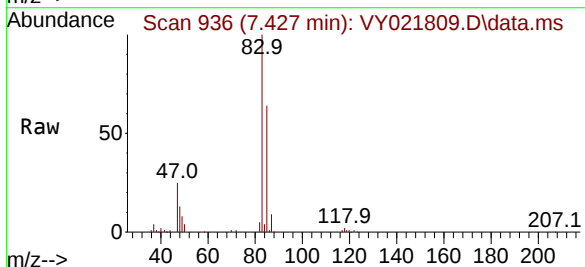
Acq: 09 Apr 2025 10:53

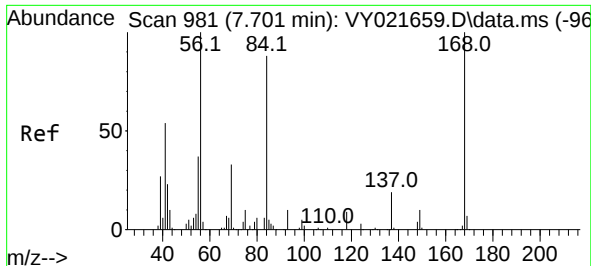
Tgt Ion: 83 Resp: 91807

Ion Ratio Lower Upper

83 100

85 64.1 50.6 75.8

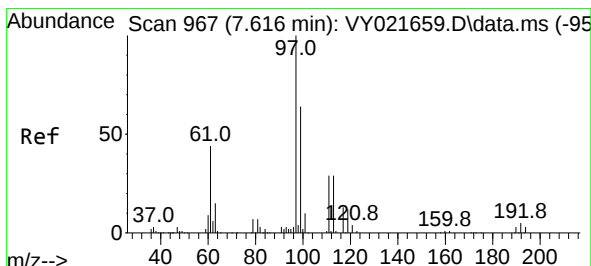
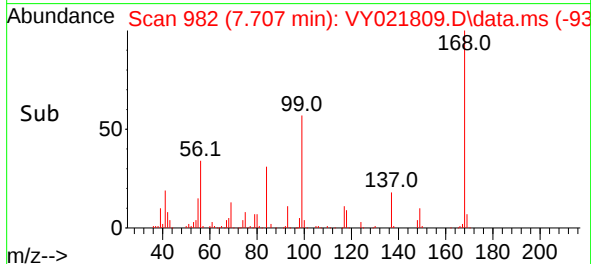
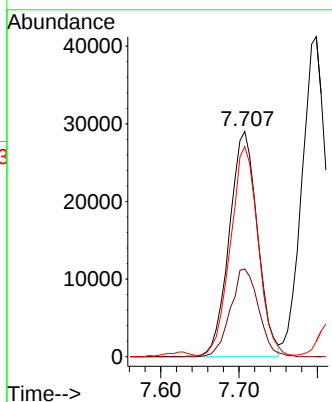
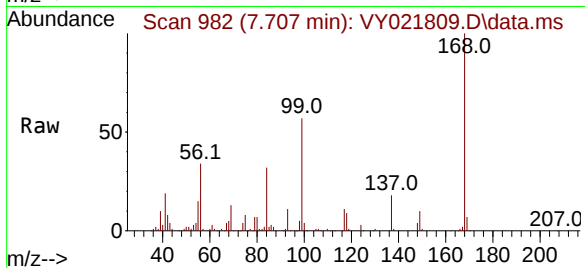




#31  
Cyclohexane  
Concen: 18.853 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

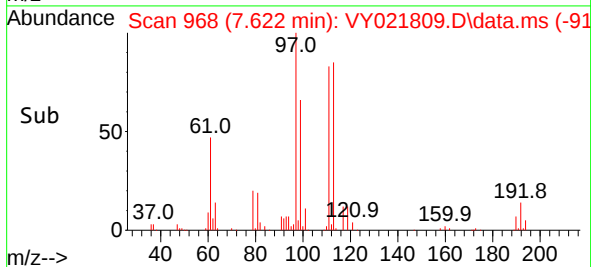
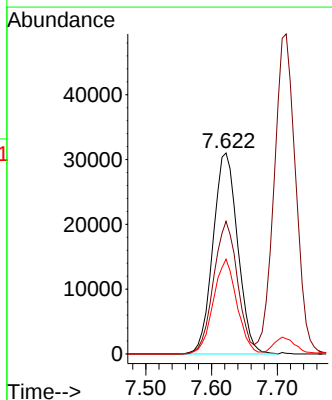
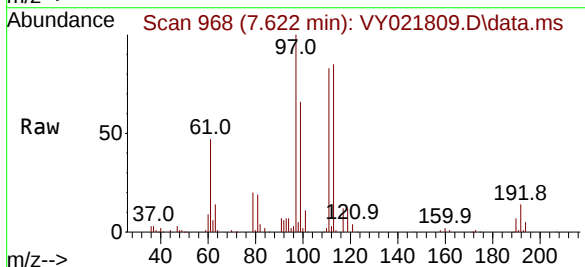
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

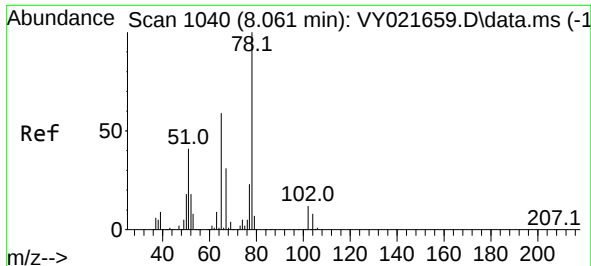
Tgt Ion: 56 Resp: 72673  
Ion Ratio Lower Upper  
56 100  
69 38.9 26.6 40.0  
84 91.3 69.0 103.4



#32  
1,1,1-Trichloroethane  
Concen: 20.369 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 97 Resp: 80968  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.7 76.1  
61 45.0 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 48.415 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

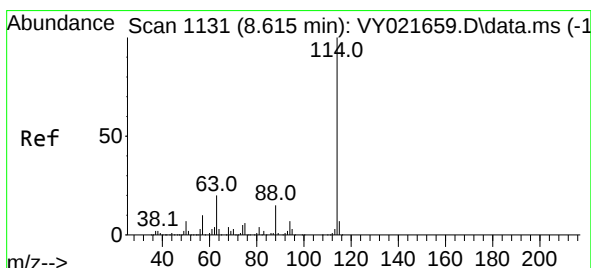
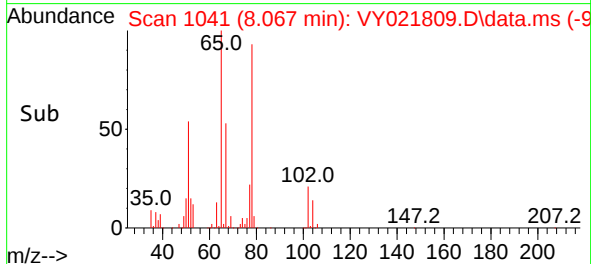
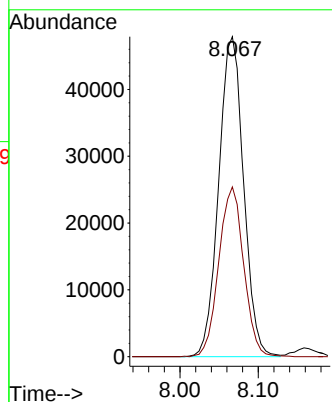
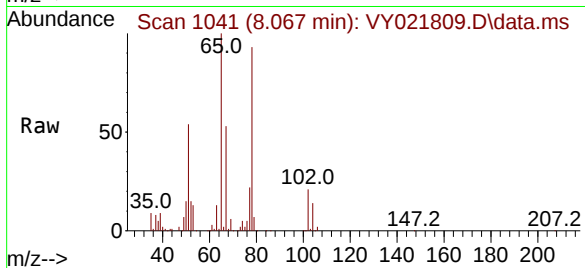
VY0409SBSD01

Tgt Ion: 65 Resp: 105741

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

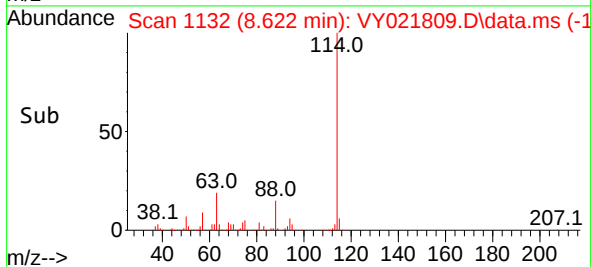
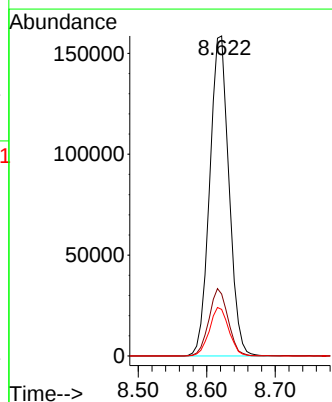
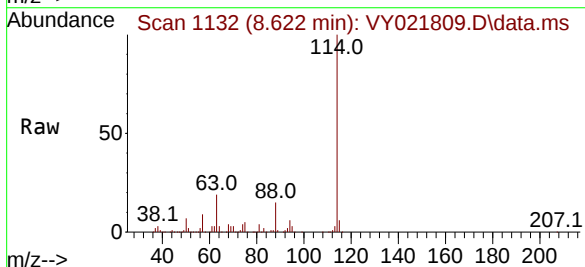
Tgt Ion: 114 Resp: 308952

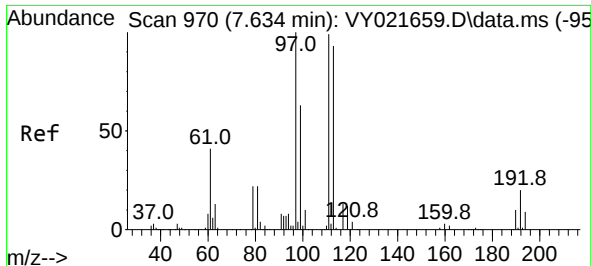
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.2

88 14.5 0.0 29.8

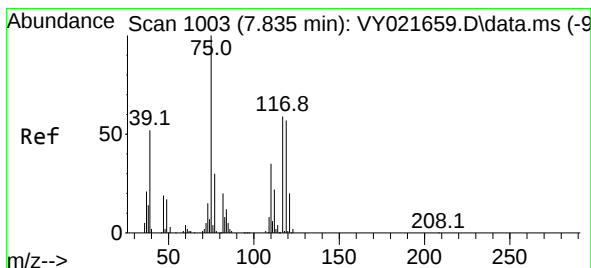
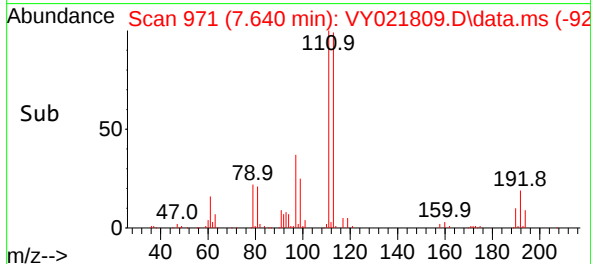
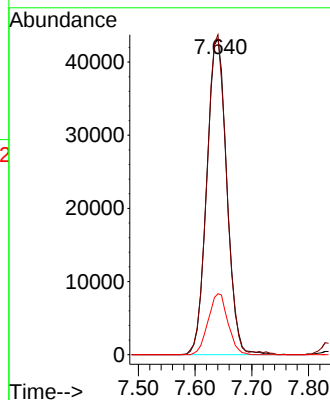
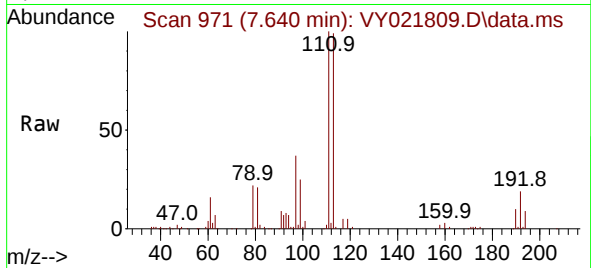




#35  
Dibromofluoromethane  
Concen: 52.703 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

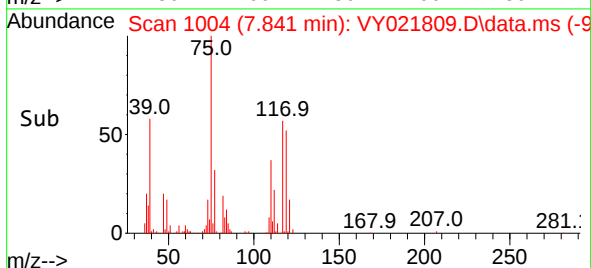
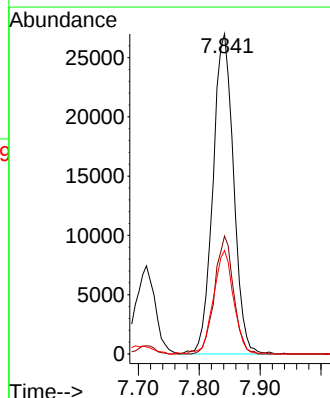
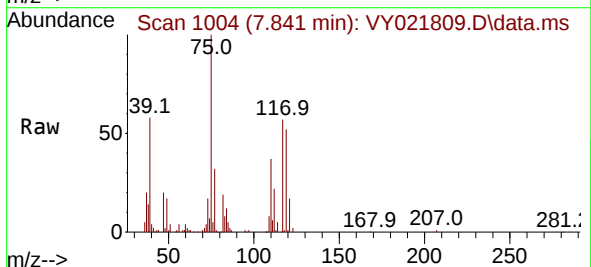
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

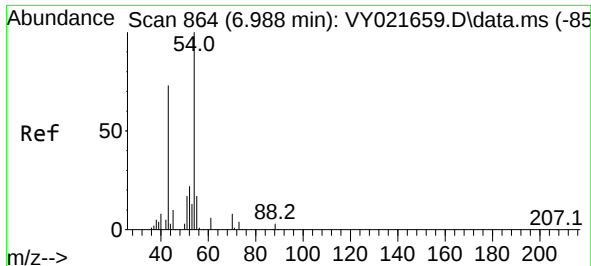
Tgt Ion:113 Resp: 105624  
Ion Ratio Lower Upper  
113 100  
111 100.3 82.6 123.8  
192 19.0 16.2 24.4



#36  
1,1-Dichloropropene  
Concen: 20.808 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 75 Resp: 63518  
Ion Ratio Lower Upper  
75 100  
110 33.9 17.0 50.9  
77 31.8 24.8 37.2

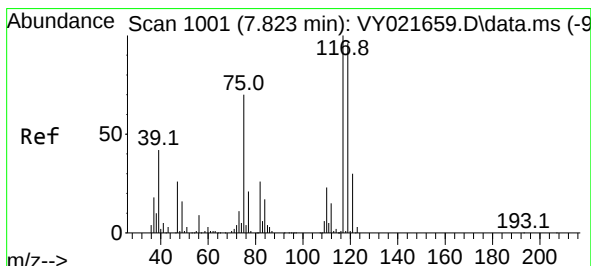
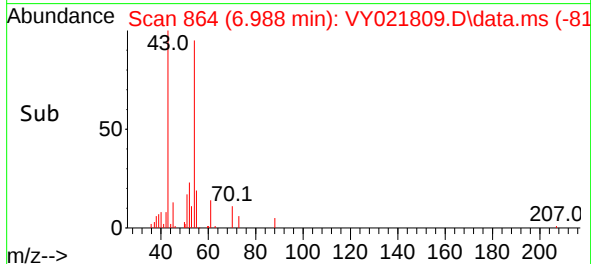
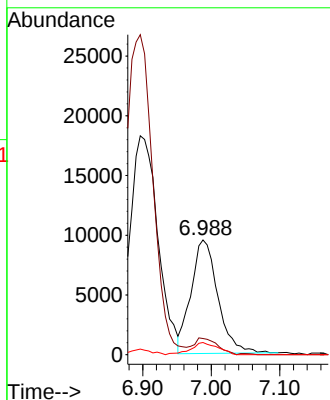
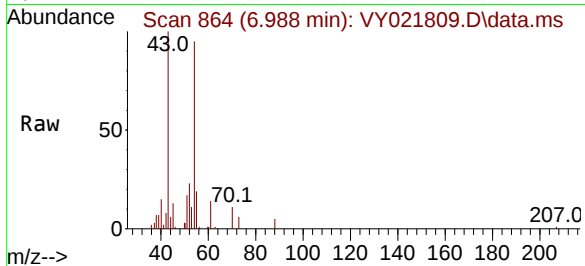




#37  
Ethyl Acetate  
Concen: 17.980 ug/l  
RT: 6.988 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

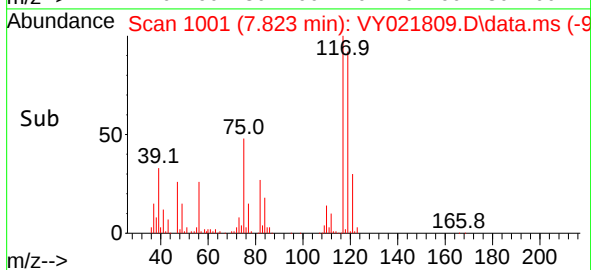
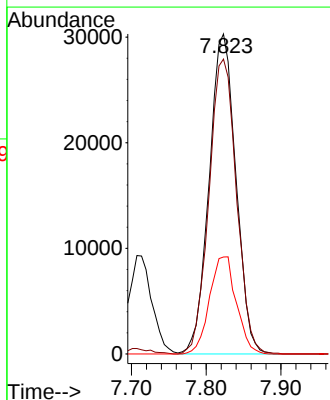
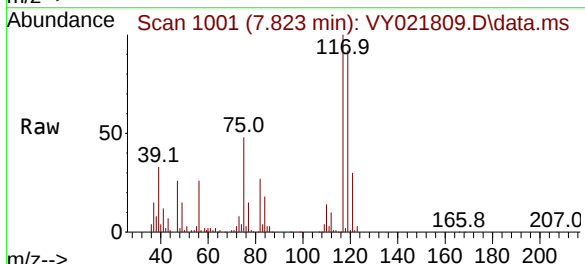
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

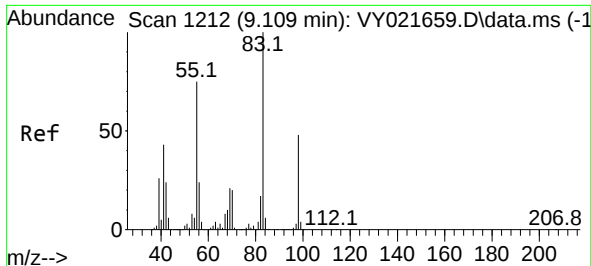
Tgt Ion: 43 Resp: 25903  
Ion Ratio Lower Upper  
43 100  
61 12.9 11.0 16.6  
70 10.7 8.1 12.1



#38  
Carbon Tetrachloride  
Concen: 21.573 ug/l  
RT: 7.823 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 117 Resp: 75426  
Ion Ratio Lower Upper  
117 100  
119 92.1 76.2 114.4  
121 30.3 24.2 36.4





#39

Methylcyclohexane

Concen: 19.999 ug/l

RT: 9.116 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

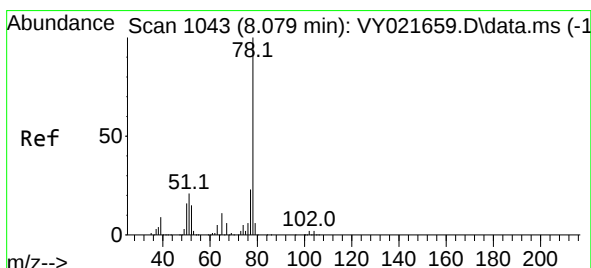
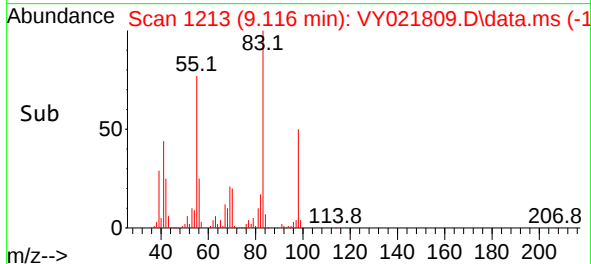
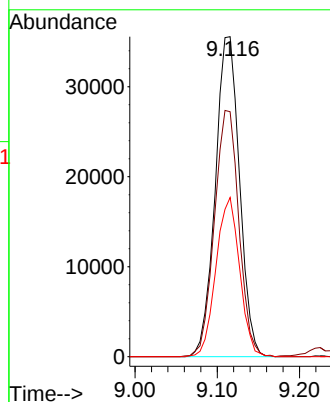
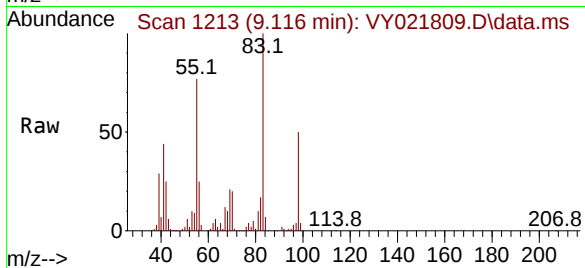
Tgt Ion: 83 Resp: 72930

Ion Ratio Lower Upper

83 100

55 76.6 59.7 89.5

98 49.8 38.3 57.5



#40

Benzene

Concen: 21.255 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.006 min

Lab File: VY021809.D

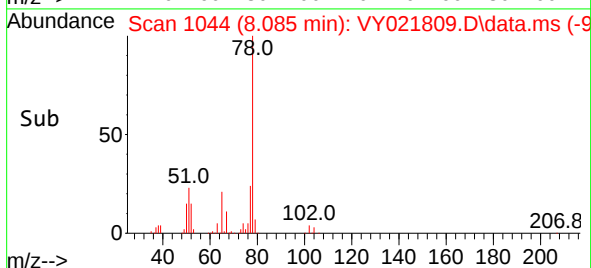
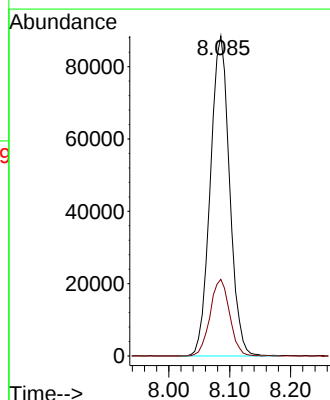
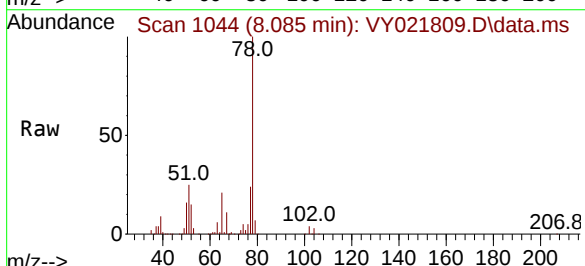
Acq: 09 Apr 2025 10:53

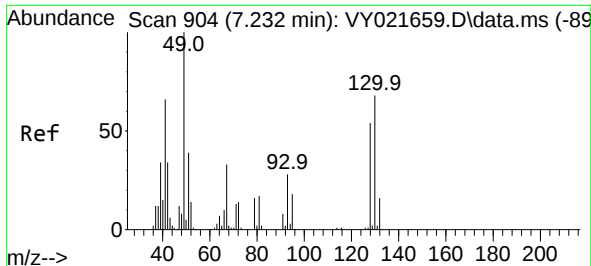
Tgt Ion: 78 Resp: 194307

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2

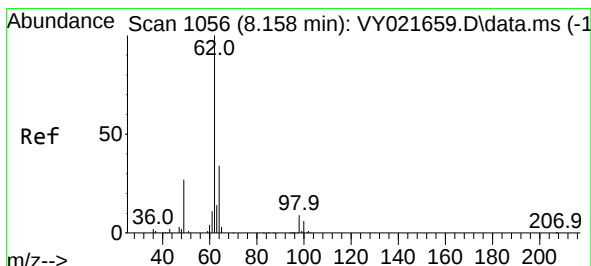
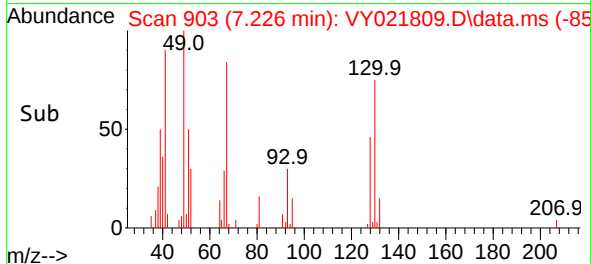
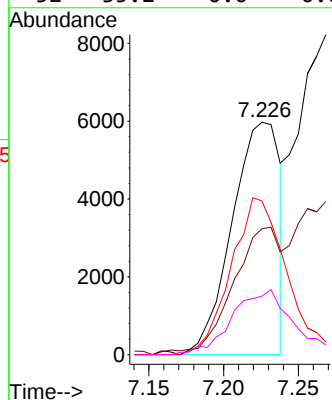
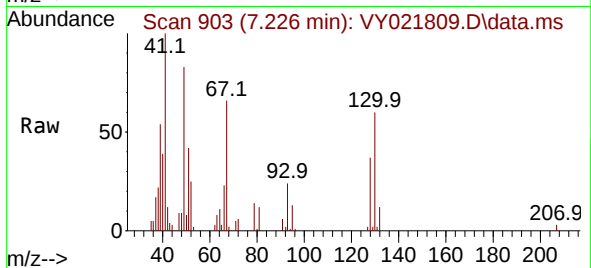




#41  
Methacrylonitrile  
Concen: 17.361 ug/l  
RT: 7.226 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

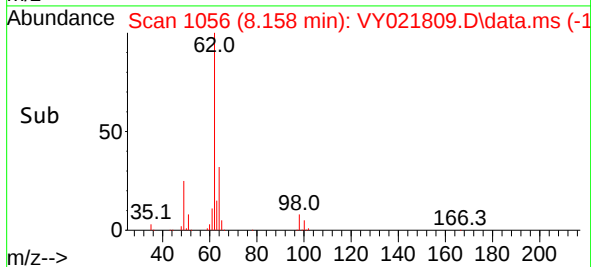
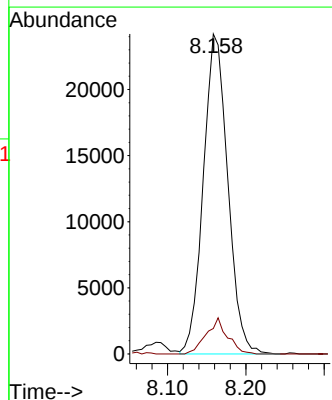
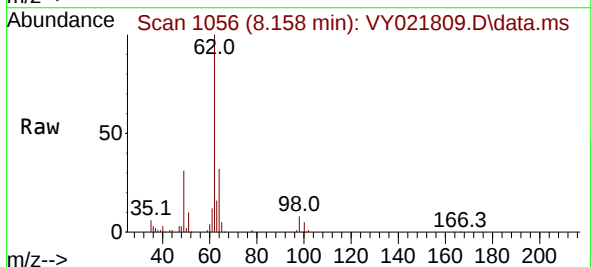
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

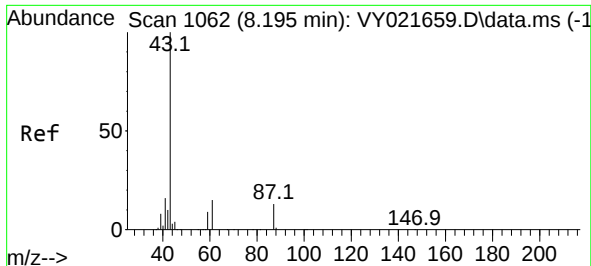
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 13283 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.0  | 0.0   | 0.0#  |
| 67       | 80.2  | 0.0   | 0.0#  |
| 52       | 35.2  | 0.0   | 0.0#  |



#42  
1,2-Dichloroethane  
Concen: 20.378 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 52518 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.7   | 0.0   | 18.4  |

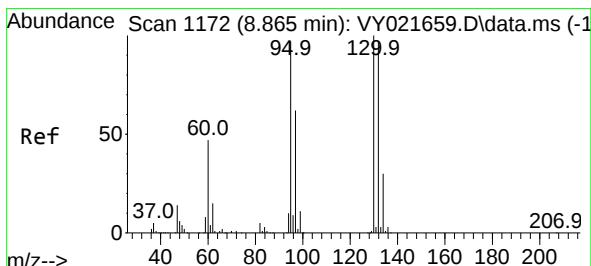
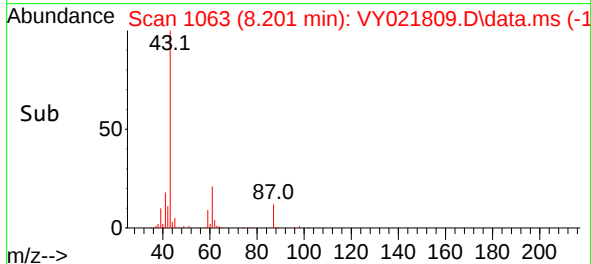
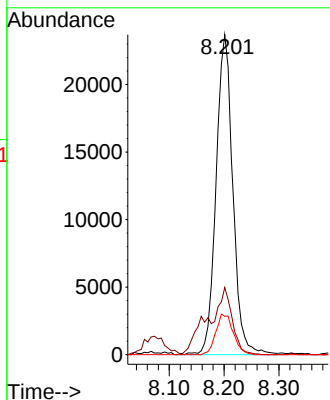
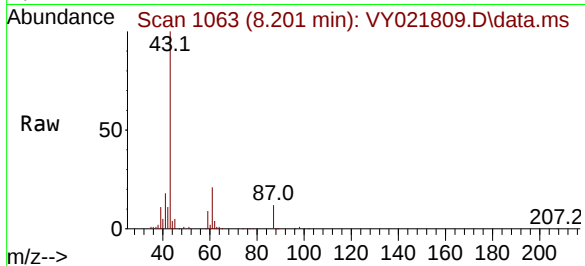




#43  
Isopropyl Acetate  
Concen: 18.472 ug/l  
RT: 8.201 min Scan# 1106  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

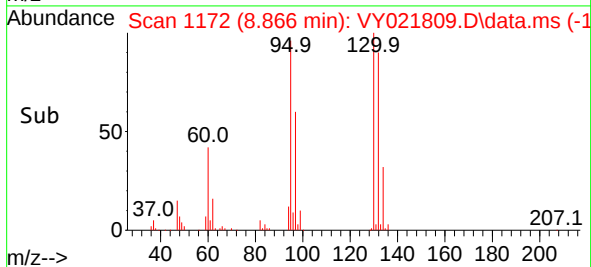
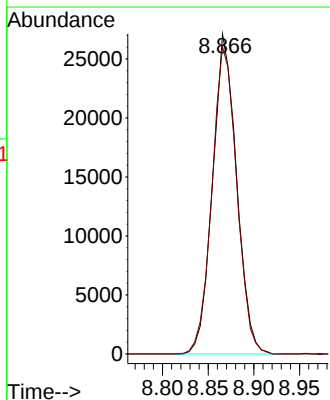
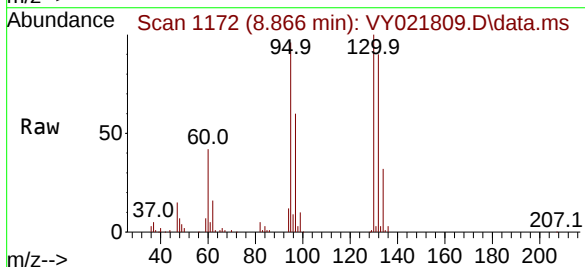
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

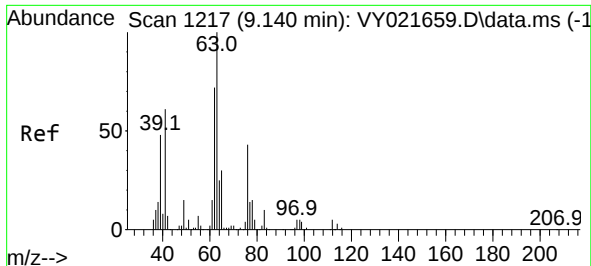
Tgt Ion: 43 Resp: 50430  
Ion Ratio Lower Upper  
43 100  
61 18.7 15.9 23.9  
87 13.2 10.4 15.6



#44  
Trichloroethene  
Concen: 21.277 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion:130 Resp: 49560  
Ion Ratio Lower Upper  
130 100  
95 96.0 0.0 194.8





#45

1,2-Dichloropropane

Concen: 20.973 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

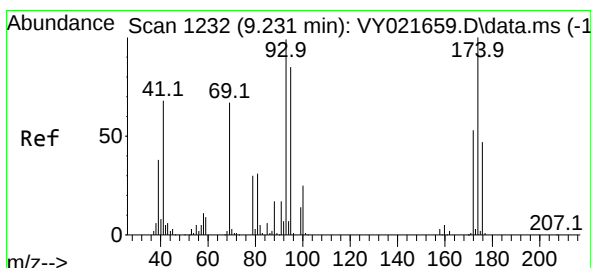
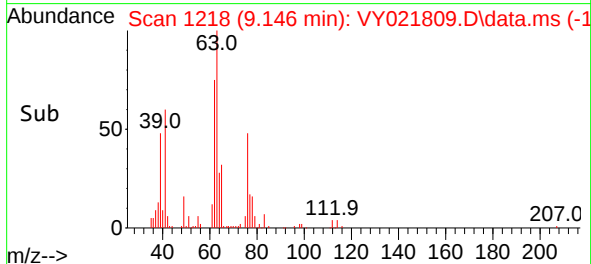
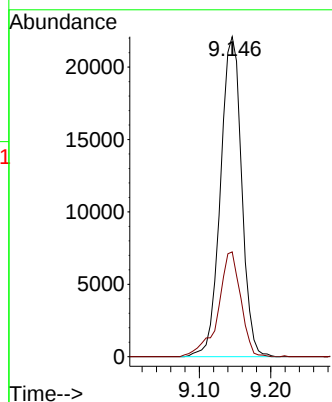
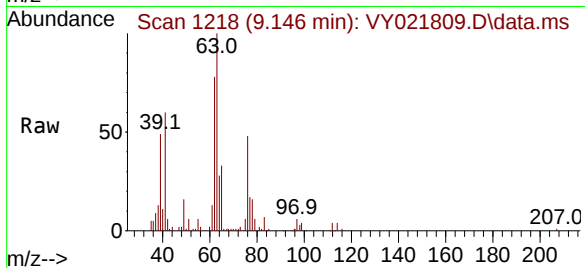
VY0409SBS01

Tgt Ion: 63 Resp: 45384

Ion Ratio Lower Upper

63 100

65 32.7 24.4 36.6



#46

Dibromomethane

Concen: 20.649 ug/l

RT: 9.237 min Scan# 1233

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

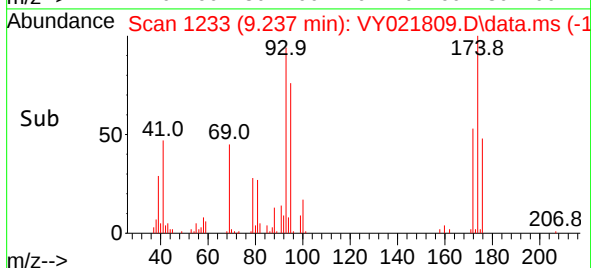
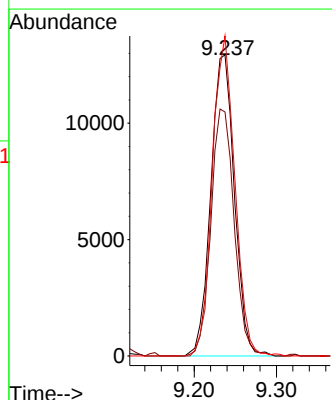
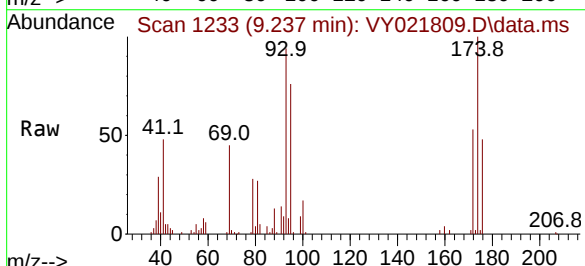
Tgt Ion: 93 Resp: 25751

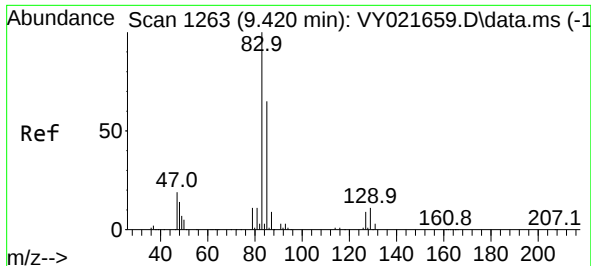
Ion Ratio Lower Upper

93 100

95 81.1 68.1 102.1

174 100.9 80.9 121.3

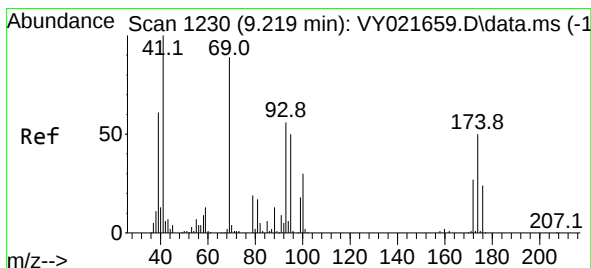
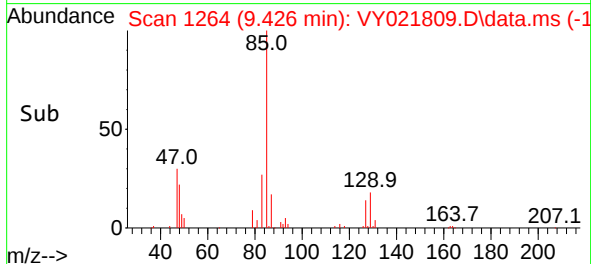
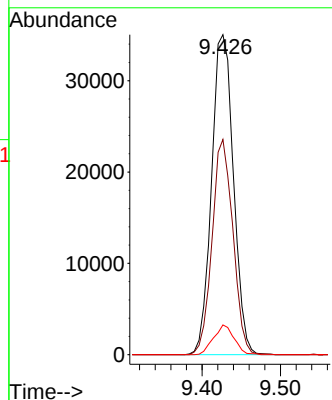
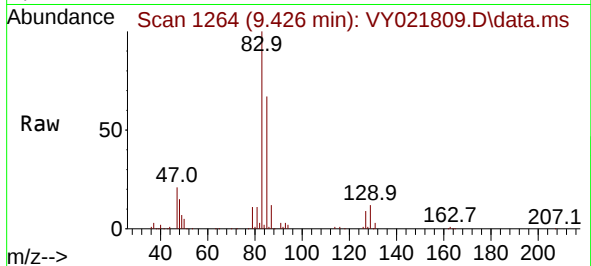




#47  
Bromodichloromethane  
Concen: 21.041 ug/l  
RT: 9.426 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

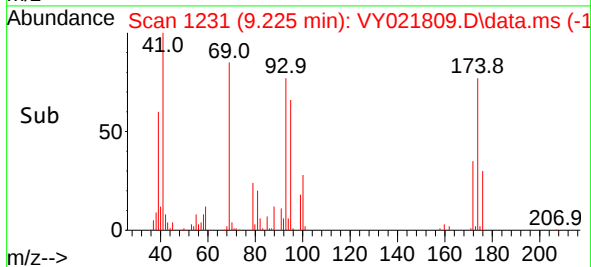
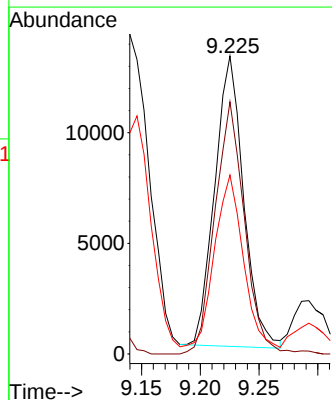
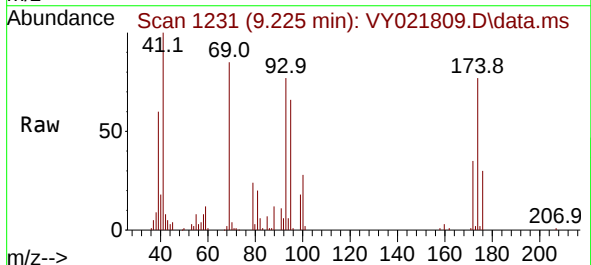
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

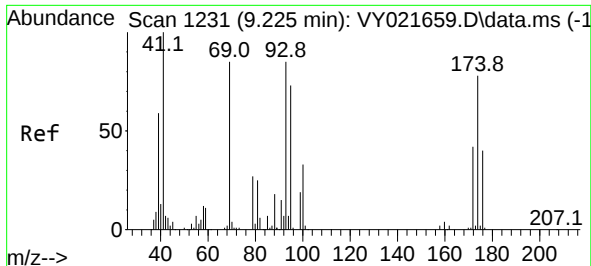
Tgt Ion: 83 Resp: 67993  
Ion Ratio Lower Upper  
83 100  
85 67.2 51.8 77.6  
127 9.3 6.8 10.2



#48  
Methyl methacrylate  
Concen: 17.849 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 41 Resp: 22365  
Ion Ratio Lower Upper  
41 100  
69 89.3 69.8 104.8  
39 59.4 47.2 70.8





#49

1,4-Dioxane

Concen: 364.528 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBSD01

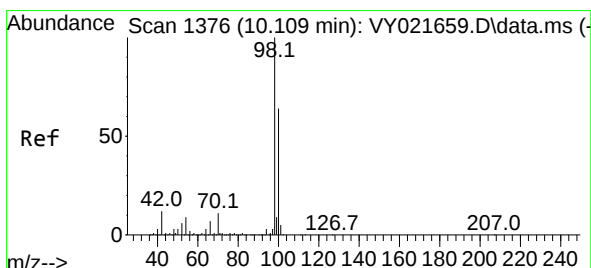
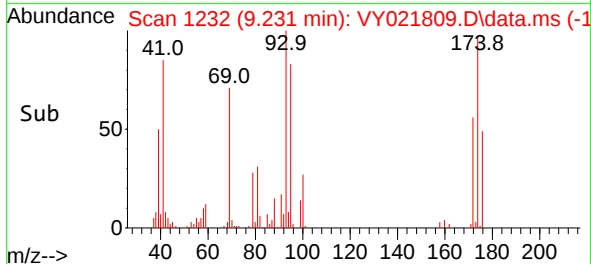
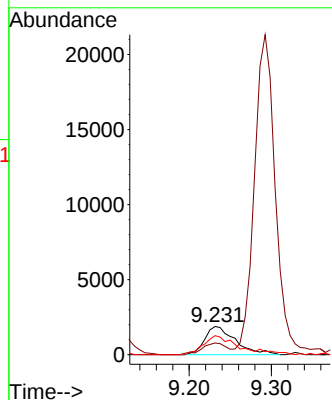
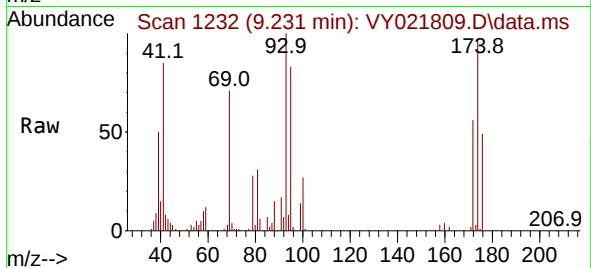
Tgt Ion: 88 Resp: 4870

Ion Ratio Lower Upper

88 100

43 32.7 28.8 43.2

58 67.5 59.4 89.2



#50

Toluene-d8

Concen: 52.815 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021809.D

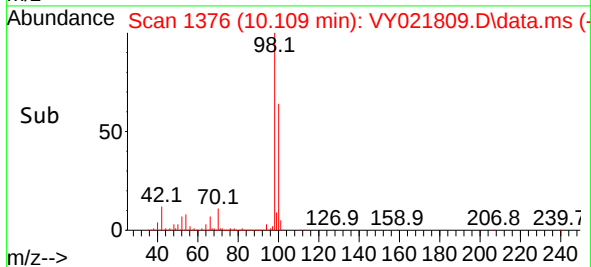
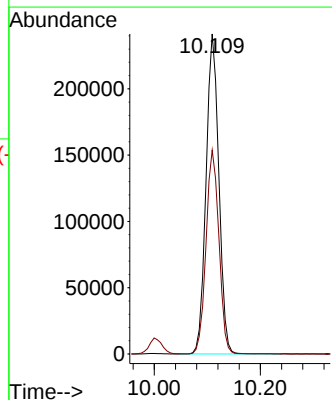
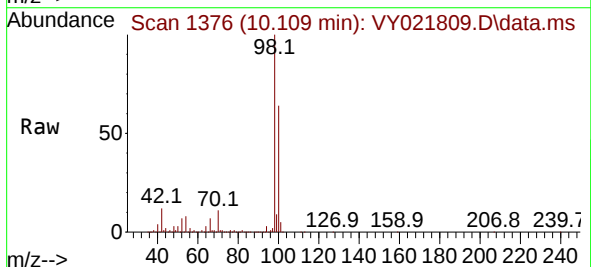
Acq: 09 Apr 2025 10:53

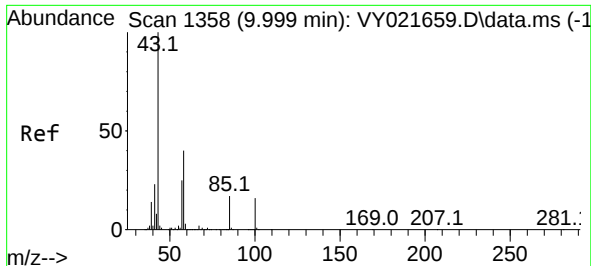
Tgt Ion: 98 Resp: 402676

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 90.548 ug/l

RT: 10.000 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

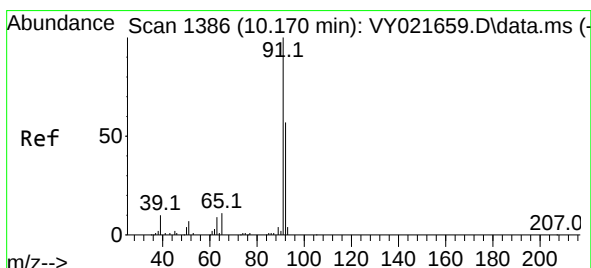
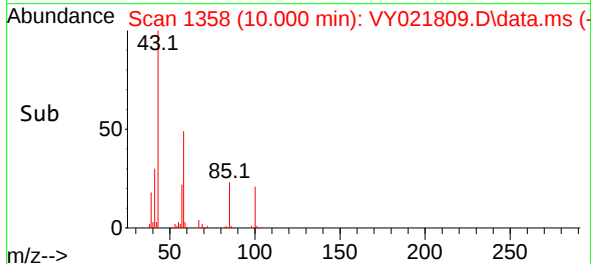
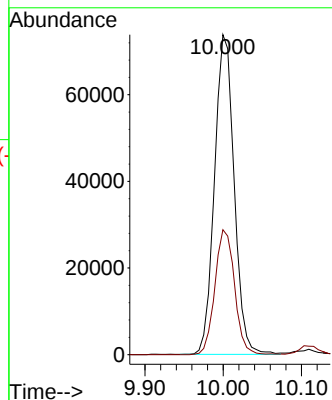
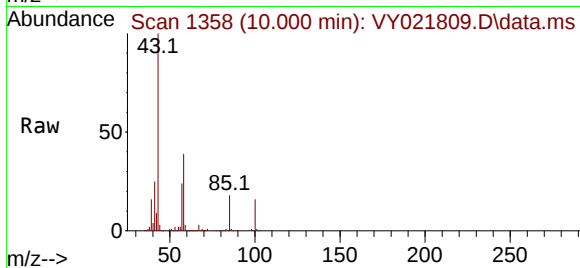
VY0409SBS01

Tgt Ion: 43 Resp: 128646

Ion Ratio Lower Upper

43 100

58 39.3 31.5 47.3



#52

Toluene

Concen: 21.782 ug/l

RT: 10.176 min Scan# 1387

Delta R.T. 0.006 min

Lab File: VY021809.D

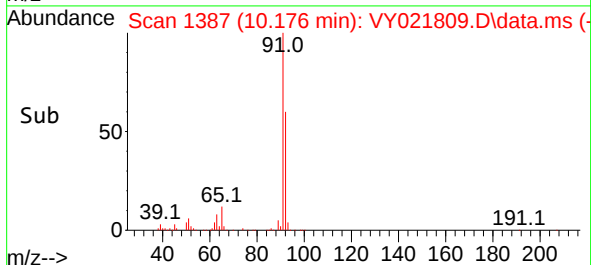
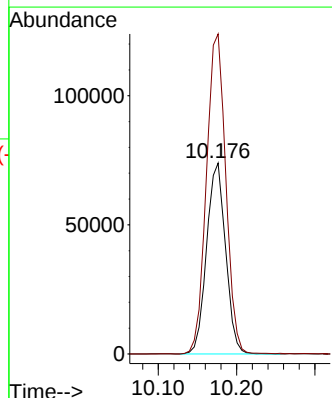
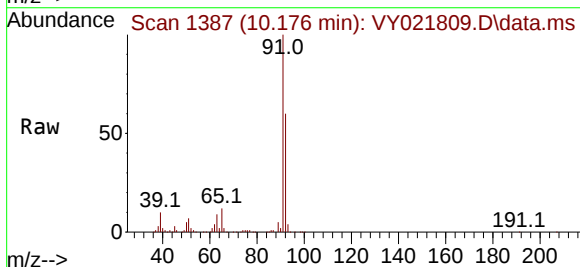
Acq: 09 Apr 2025 10:53

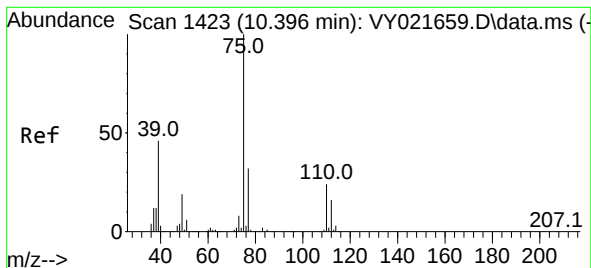
Tgt Ion: 92 Resp: 124239

Ion Ratio Lower Upper

92 100

91 171.2 138.6 207.8

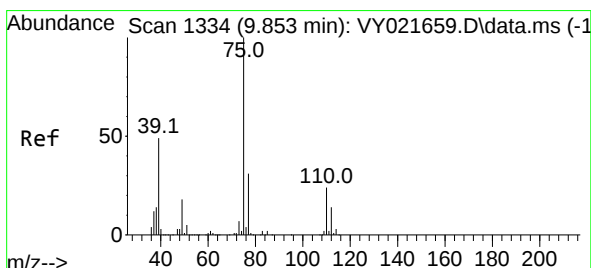
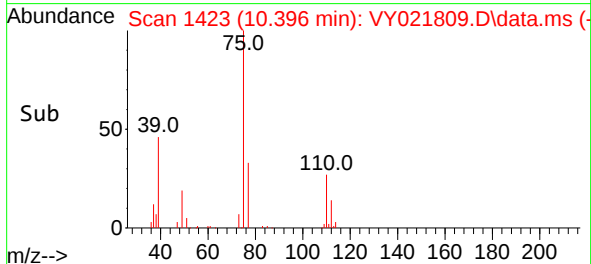
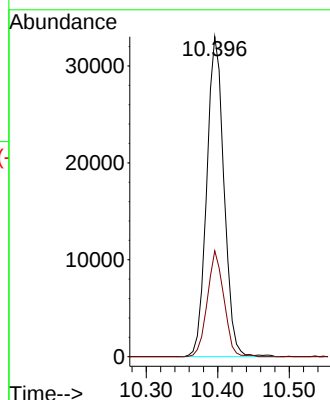
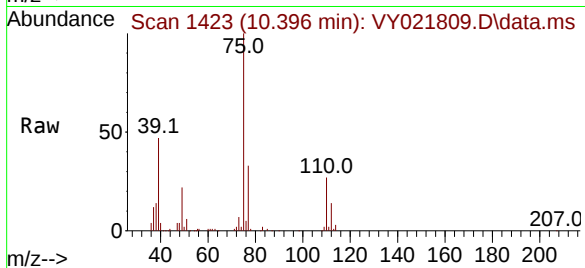




#53  
 t-1,3-Dichloropropene  
 Concen: 19.269 ug/l  
 RT: 10.396 min Scan# 1423  
 Delta R.T. 0.000 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

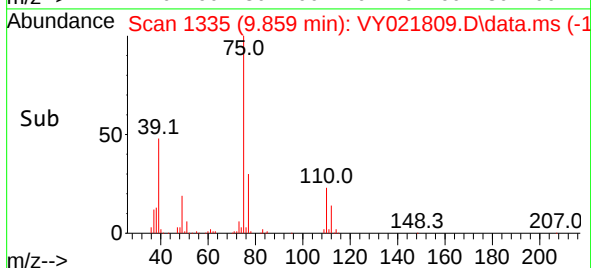
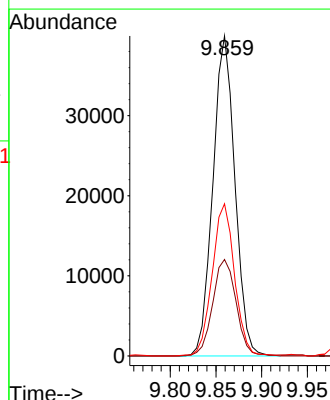
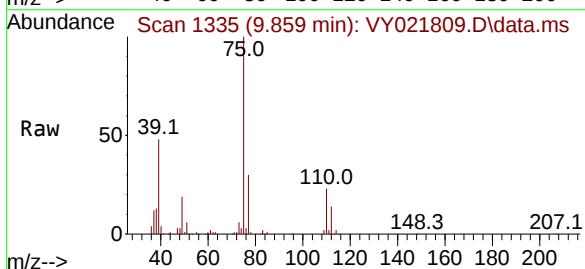
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBS01

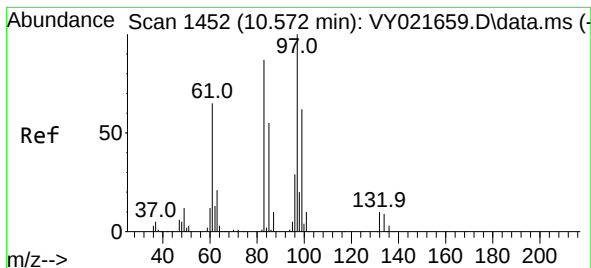
Tgt Ion: 75 Resp: 55307  
 Ion Ratio Lower Upper  
 75 100  
 77 33.1 25.3 37.9



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.737 ug/l  
 RT: 9.859 min Scan# 1335  
 Delta R.T. 0.006 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

Tgt Ion: 75 Resp: 66831  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 24.9 37.3  
 39 47.4 39.2 58.8





#55

1,1,2-Trichloroethane

Concen: 21.076 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

Tgt Ion: 97 Resp: 33824

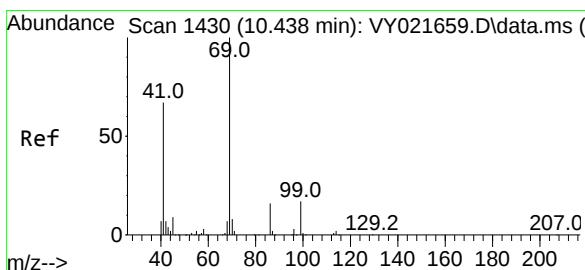
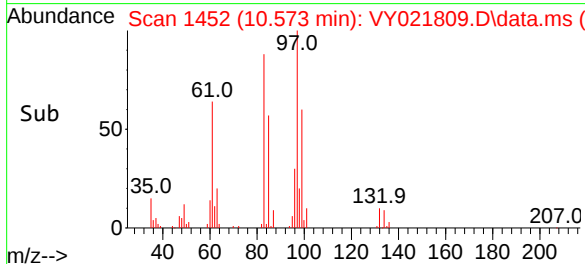
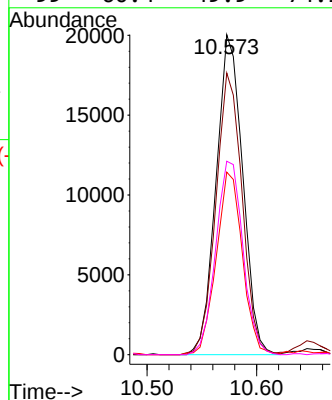
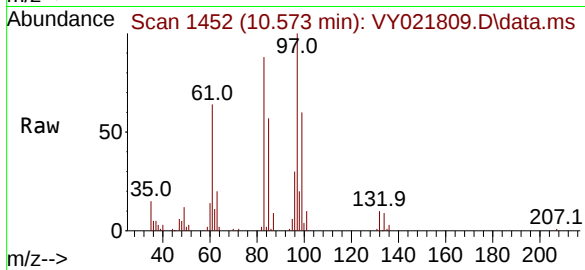
Ion Ratio Lower Upper

97 100

83 88.1 69.5 104.3

85 57.1 43.9 65.9

99 60.4 49.9 74.9



#56

Ethyl methacrylate

Concen: 18.205 ug/l

RT: 10.445 min Scan# 1431

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

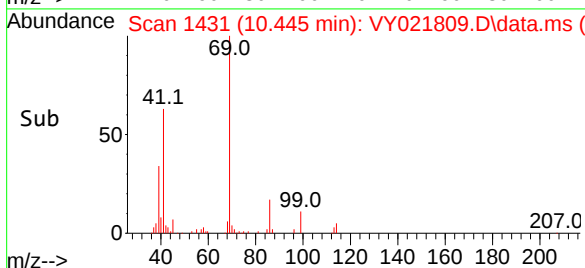
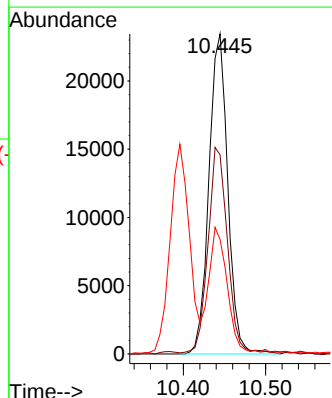
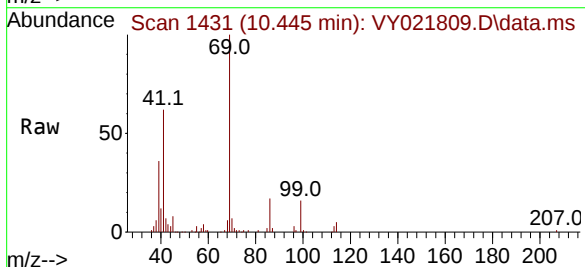
Tgt Ion: 69 Resp: 37306

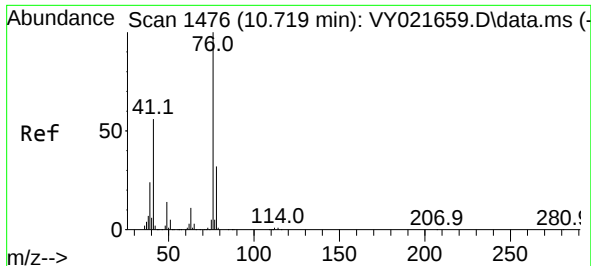
Ion Ratio Lower Upper

69 100

41 65.8 53.8 80.6

39 37.6 29.6 44.4





#57

1,3-Dichloropropane

Concen: 20.322 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

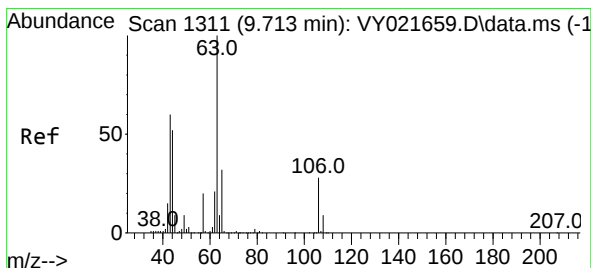
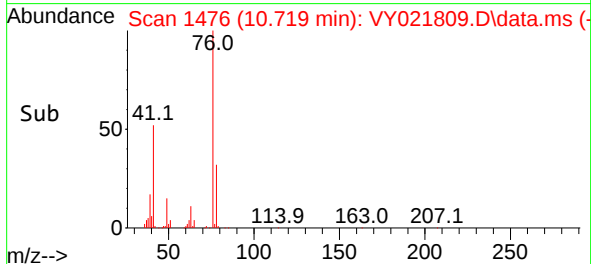
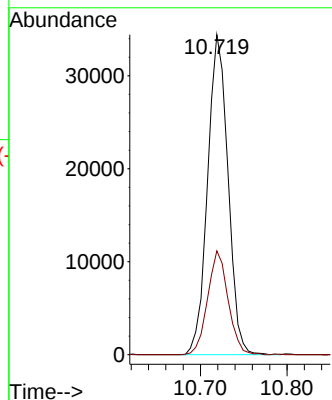
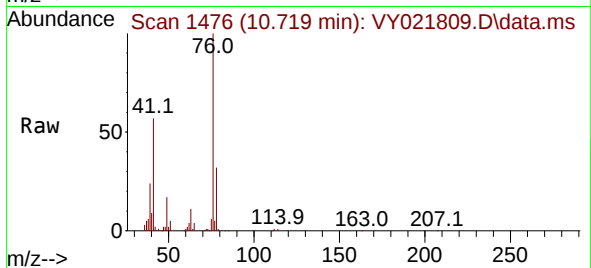
VY0409SBSD01

Tgt Ion: 76 Resp: 56327

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 90.288 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY021809.D

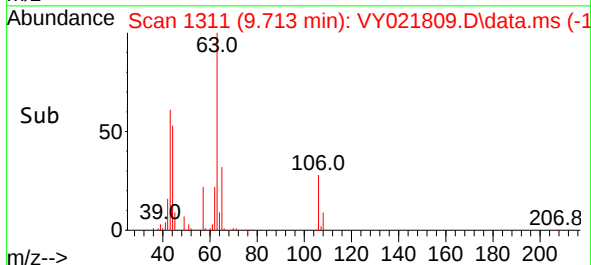
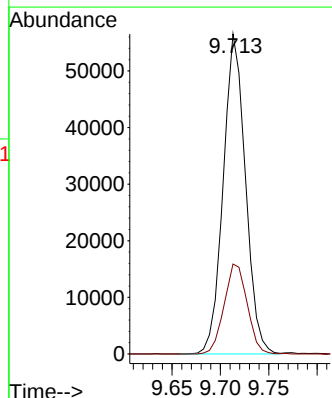
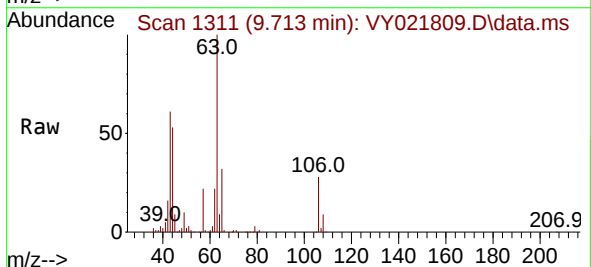
Acq: 09 Apr 2025 10:53

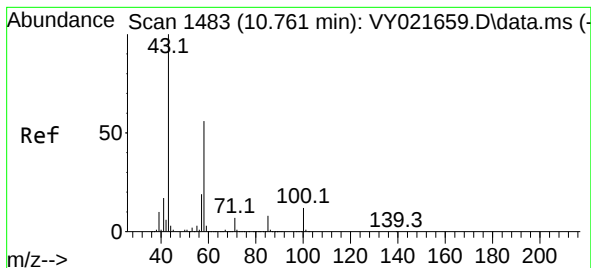
Tgt Ion: 63 Resp: 90260

Ion Ratio Lower Upper

63 100

106 29.1 22.4 33.6

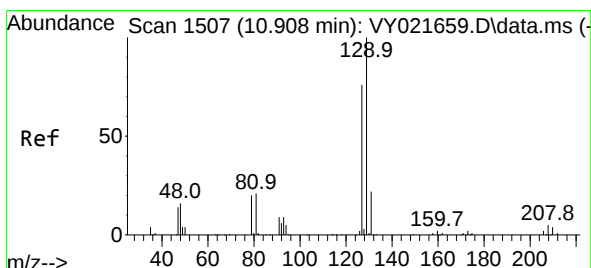
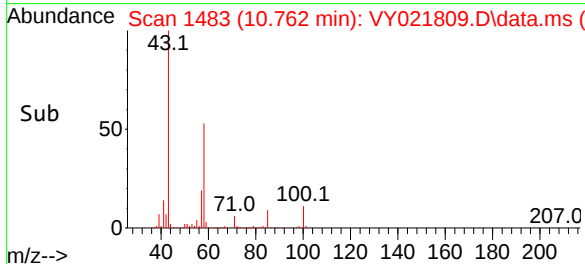
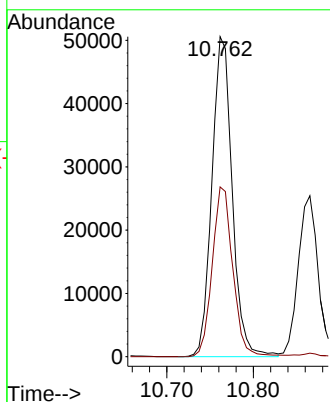
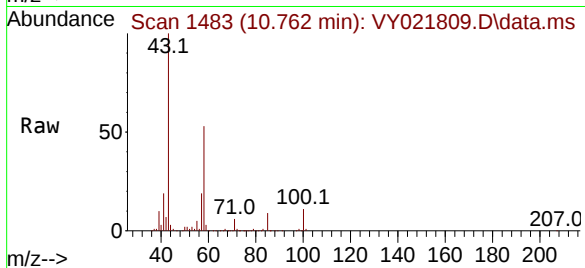




#59  
2-Hexanone  
Concen: 87.115 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

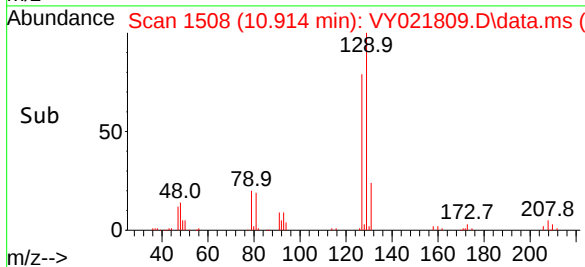
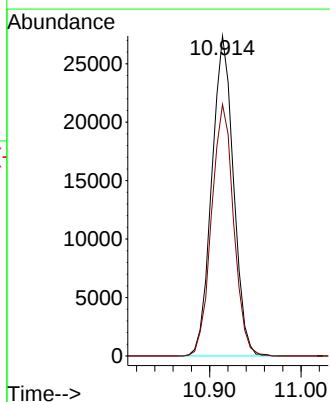
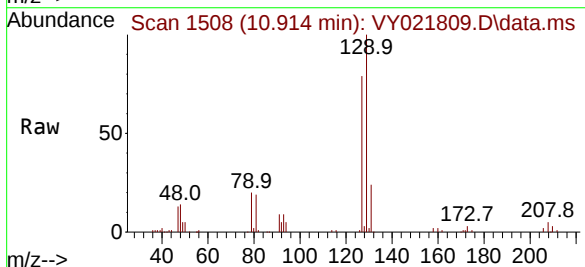
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

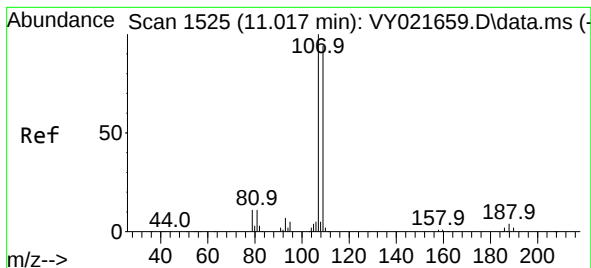
Tgt Ion: 43 Resp: 82428  
Ion Ratio Lower Upper  
43 100  
58 53.7 27.2 81.5



#60  
Dibromochloromethane  
Concen: 20.595 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 129 Resp: 45127  
Ion Ratio Lower Upper  
129 100  
127 79.9 38.6 115.7

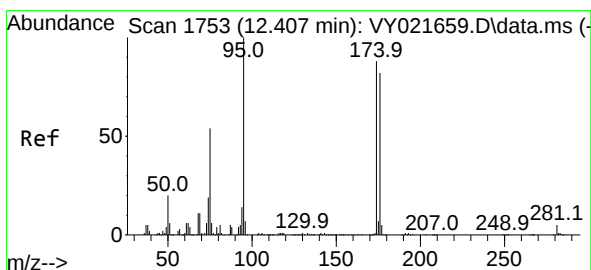
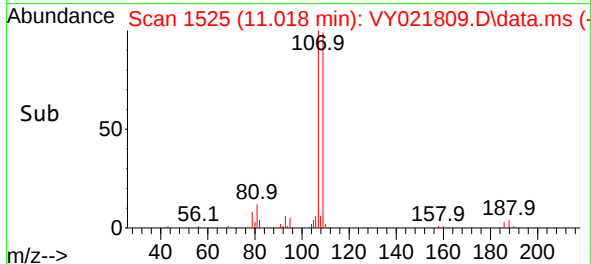
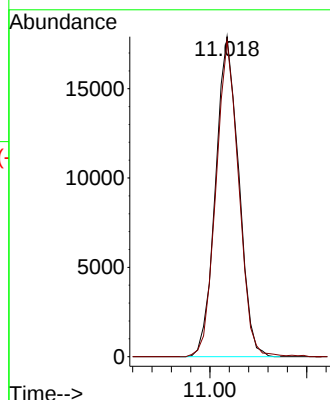
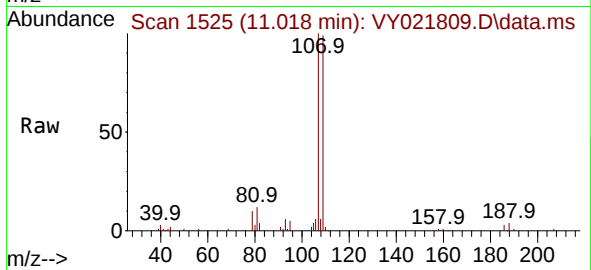




#61  
1,2-Dibromoethane  
Concen: 19.758 ug/l  
RT: 11.018 min Scan# 1525  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

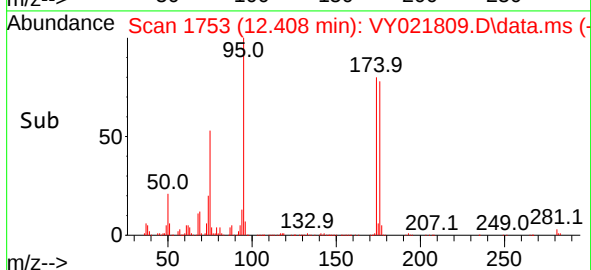
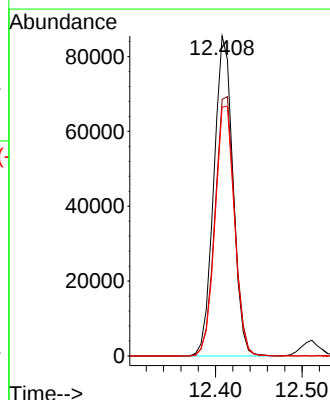
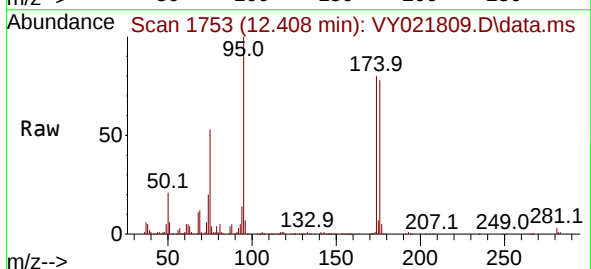
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

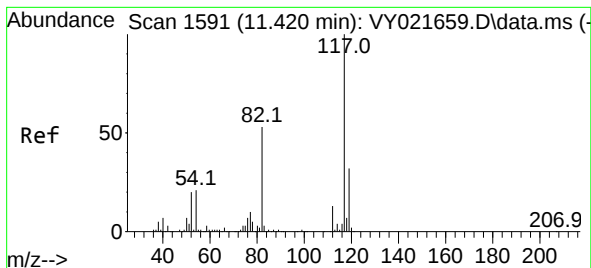
Tgt Ion:107 Resp: 29745  
Ion Ratio Lower Upper  
107 100  
109 96.5 74.4 111.6



#62  
4-Bromofluorobenzene  
Concen: 50.816 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 95 Resp: 131050  
Ion Ratio Lower Upper  
95 100  
174 83.3 0.0 170.8  
176 79.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBSD01

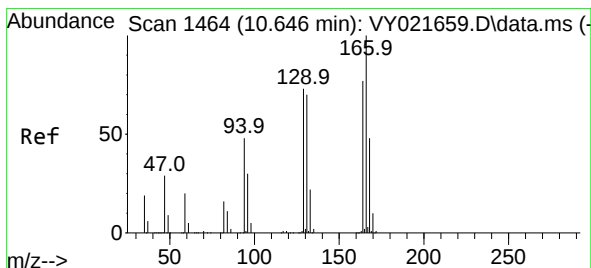
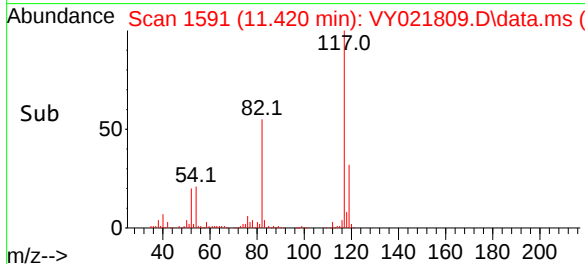
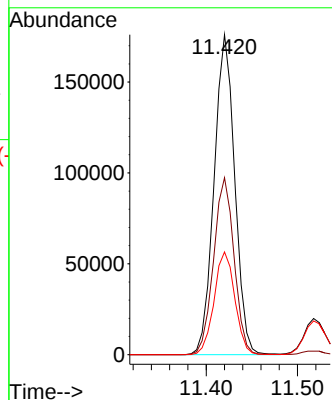
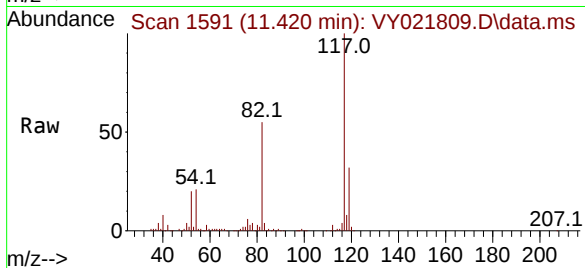
Tgt Ion:117 Resp: 276460

Ion Ratio Lower Upper

117 100

82 55.3 42.8 64.2

119 32.1 25.7 38.5



#64

Tetrachloroethene

Concen: 22.935 ug/l

RT: 10.652 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Tgt Ion:164 Resp: 57749

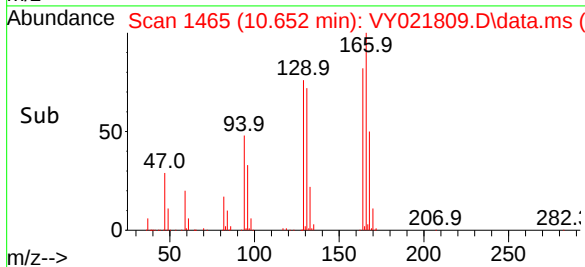
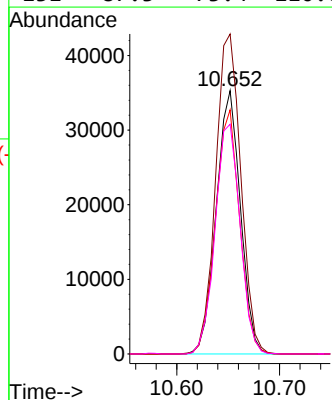
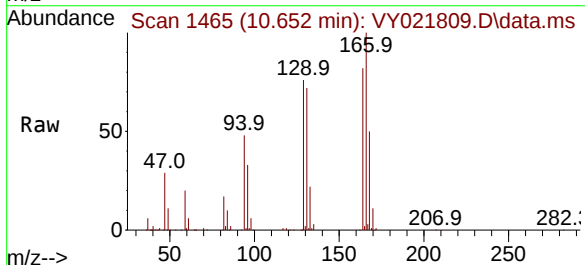
Ion Ratio Lower Upper

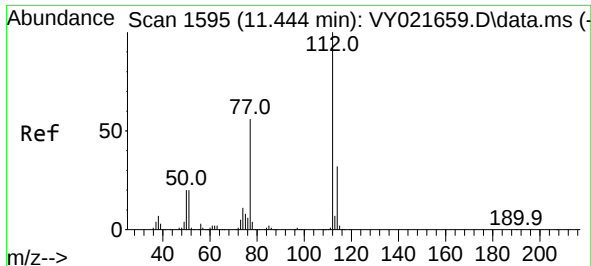
164 100

166 121.5 104.6 156.8

129 92.7 76.6 114.8

131 87.3 73.4 110.0

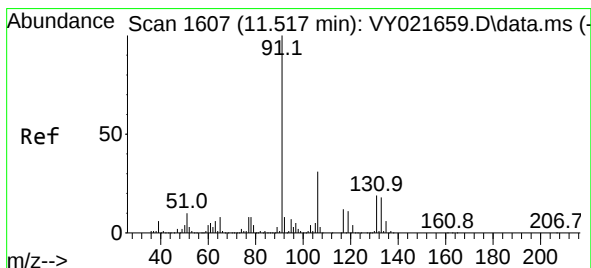
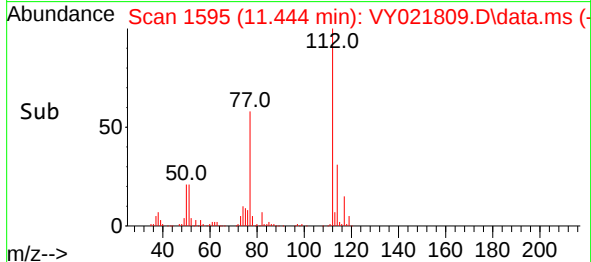
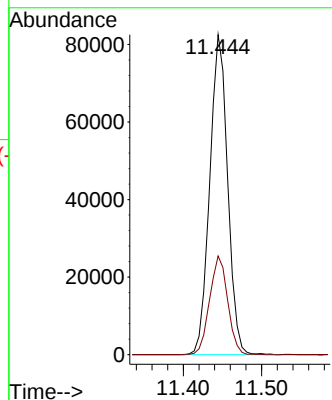
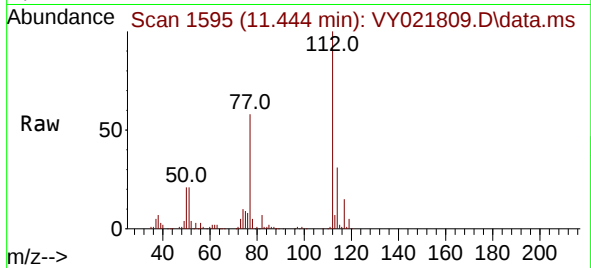




#65  
Chlorobenzene  
Concen: 20.614 ug/l  
RT: 11.444 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

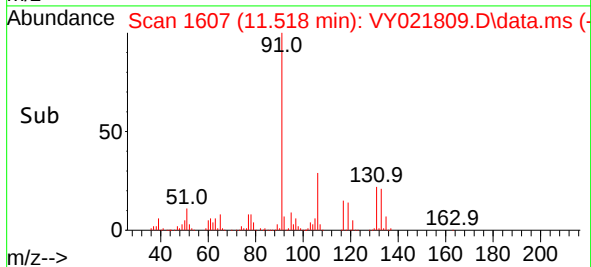
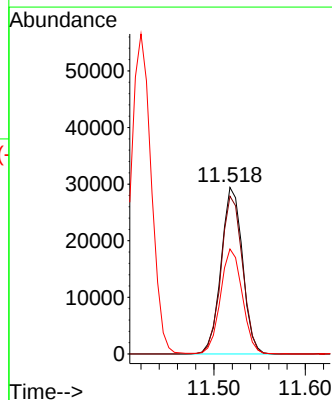
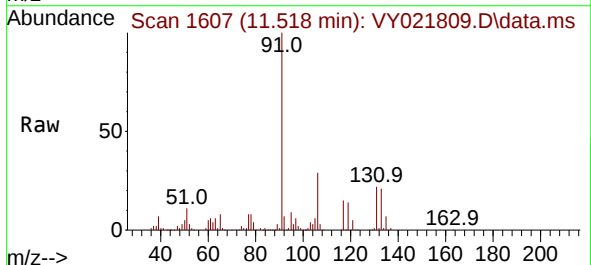
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

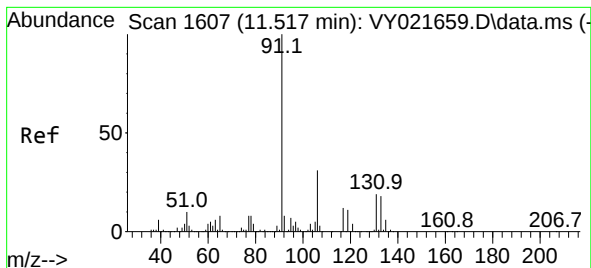
Tgt Ion:112 Resp: 130641  
Ion Ratio Lower Upper  
112 100  
114 30.9 25.9 38.9



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.291 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion:131 Resp: 47873  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.3 141.8  
119 64.5 31.6 95.0





#67

Ethyl Benzene

Concen: 20.503 ug/l

RT: 11.524 min Scan# 1608

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

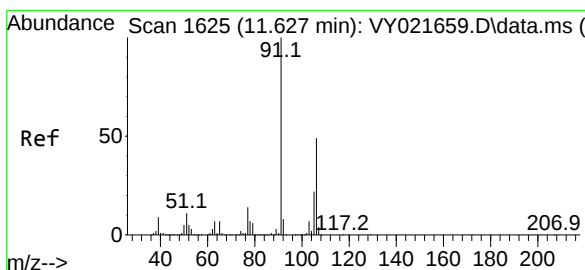
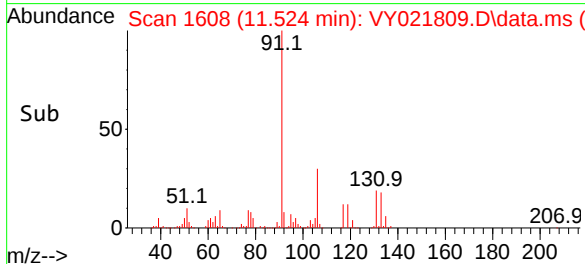
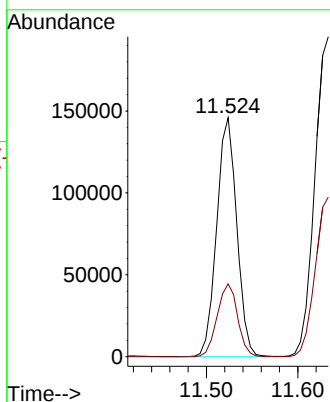
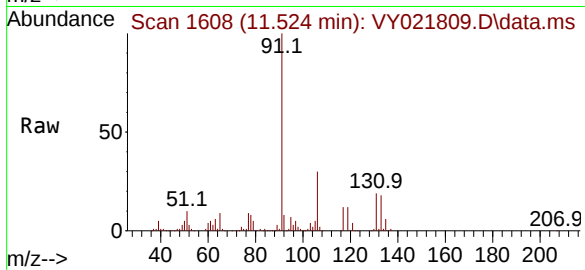
VY0409SBS01

Tgt Ion: 91 Resp: 222812

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 42.223 ug/l

RT: 11.633 min Scan# 1626

Delta R.T. 0.006 min

Lab File: VY021809.D

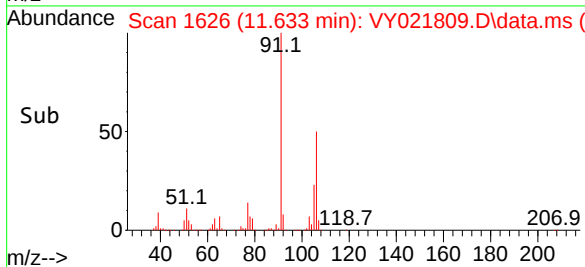
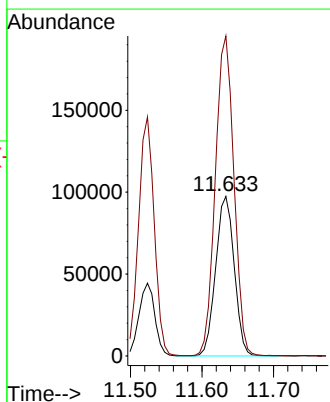
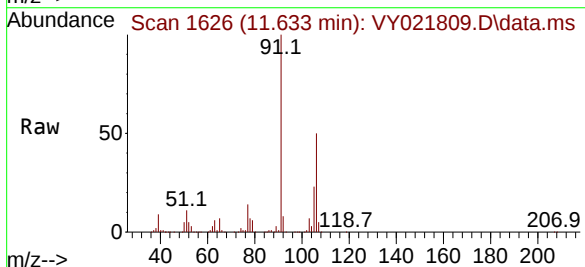
Acq: 09 Apr 2025 10:53

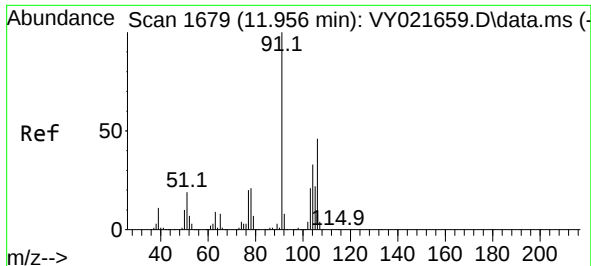
Tgt Ion:106 Resp: 175704

Ion Ratio Lower Upper

106 100

91 200.9 162.4 243.6

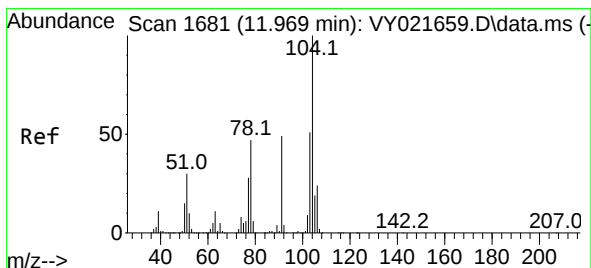
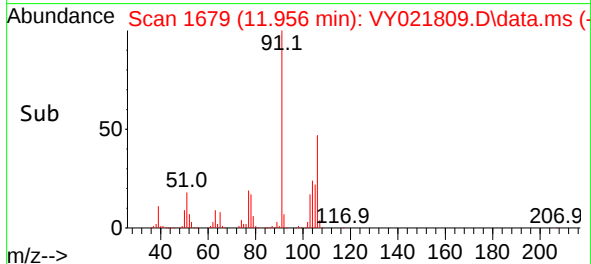
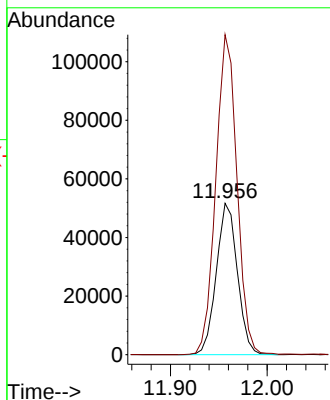
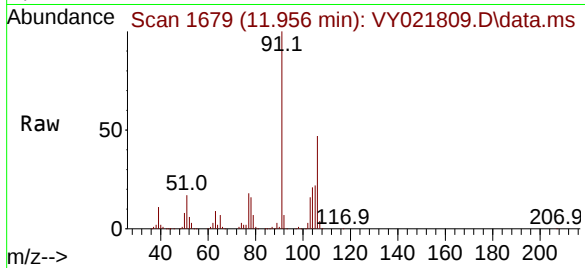




#69  
o-Xylene  
Concen: 20.345 ug/l  
RT: 11.956 min Scan# 1679  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

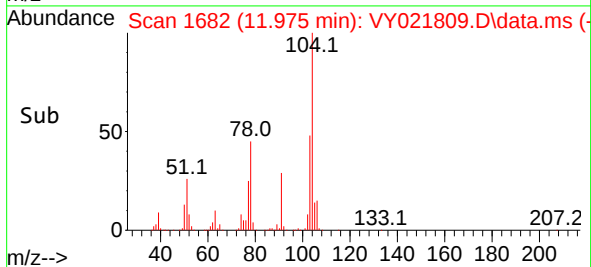
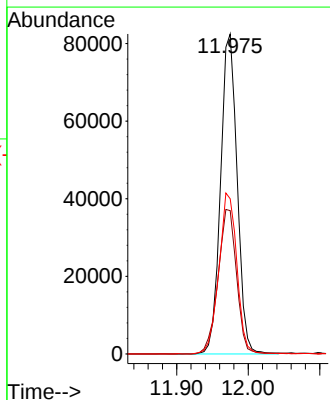
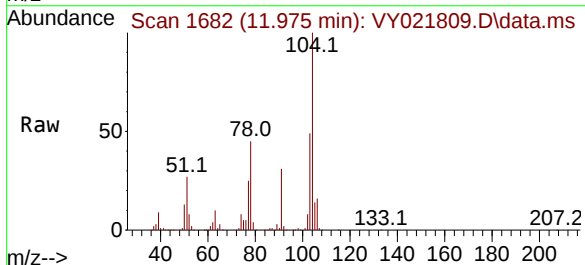
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBSD01

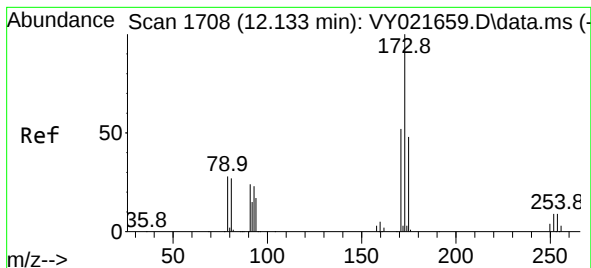
Tgt Ion:106 Resp: 78151  
Ion Ratio Lower Upper  
106 100  
91 212.7 106.7 319.9



#70  
Styrene  
Concen: 20.767 ug/l  
RT: 11.975 min Scan# 1682  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion:104 Resp: 133003  
Ion Ratio Lower Upper  
104 100  
78 50.3 40.8 61.2  
103 54.5 44.2 66.2





#71

Bromoform

Concen: 20.208 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBSD01

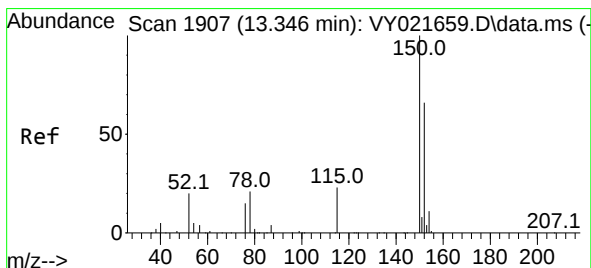
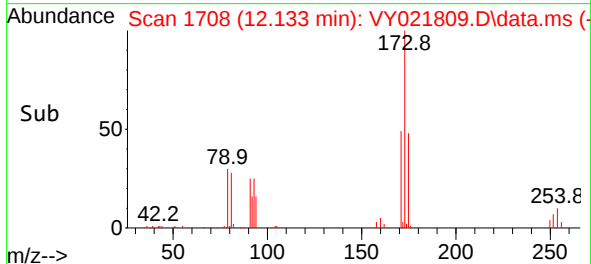
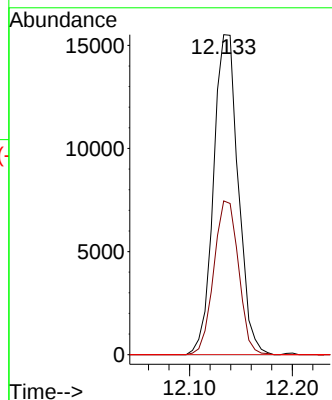
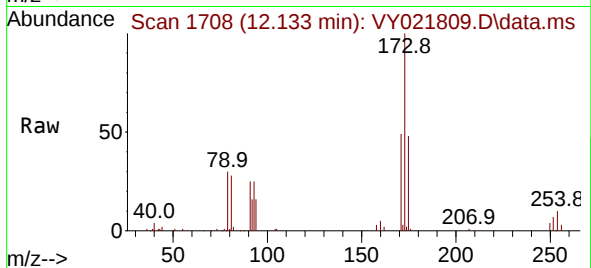
Tgt Ion:173 Resp: 25919

Ion Ratio Lower Upper

173 100

175 48.0 24.3 73.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

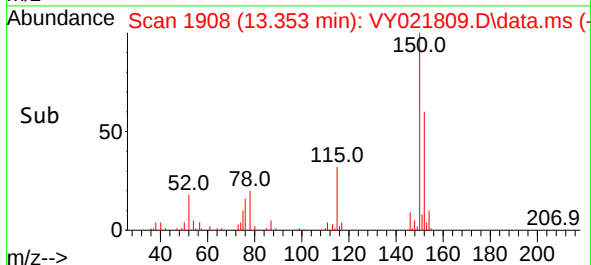
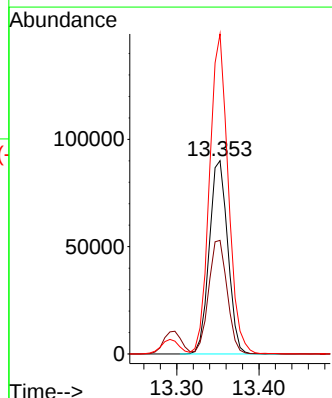
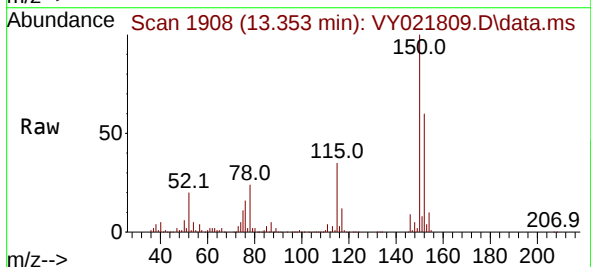
Tgt Ion:152 Resp: 140571

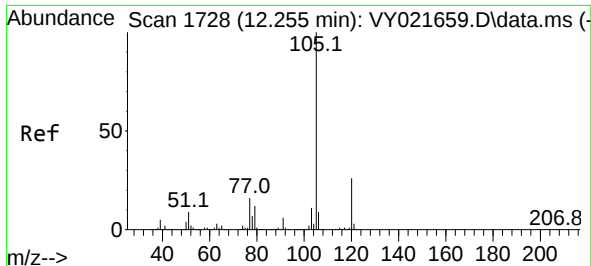
Ion Ratio Lower Upper

152 100

115 58.8 28.8 86.5

150 167.3 0.0 348.4

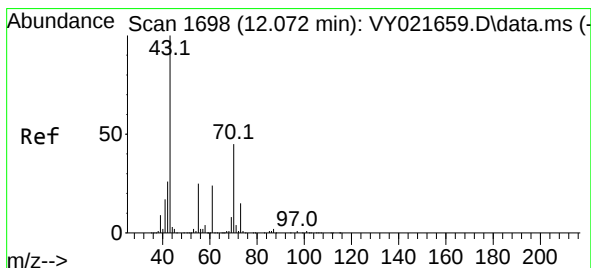
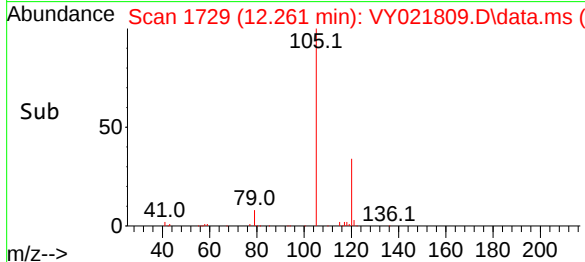
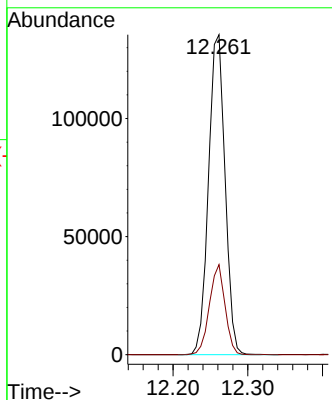
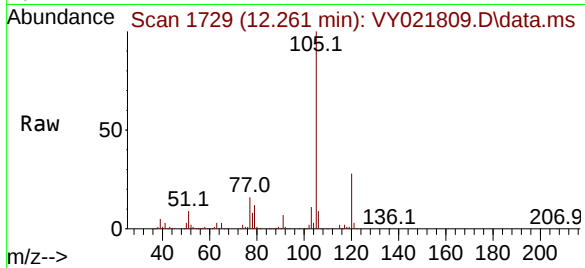




#73  
Isopropylbenzene  
Concen: 19.932 ug/l  
RT: 12.261 min Scan# 1728  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

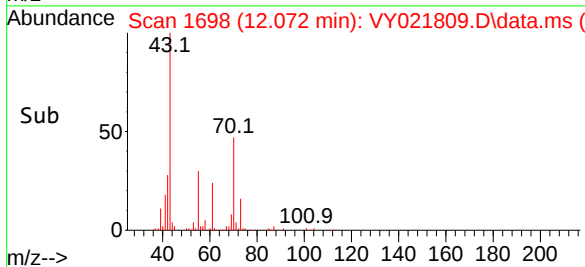
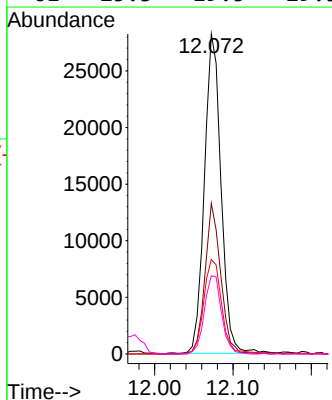
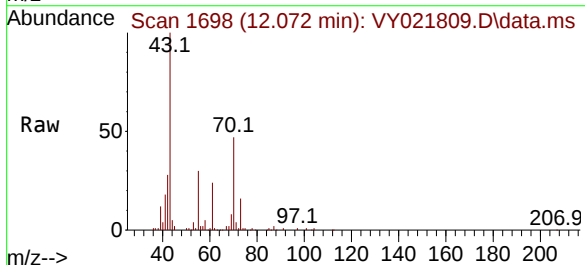
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

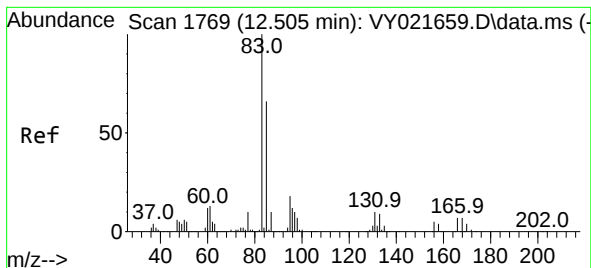
Tgt Ion:105 Resp: 208103  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.2 39.5



#74  
N-ethyl acetate  
Concen: 16.962 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 43 Resp: 41562  
Ion Ratio Lower Upper  
43 100  
70 44.4 34.7 52.1  
55 32.0 21.2 31.8#  
61 25.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.404 ug/l

RT: 12.511 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

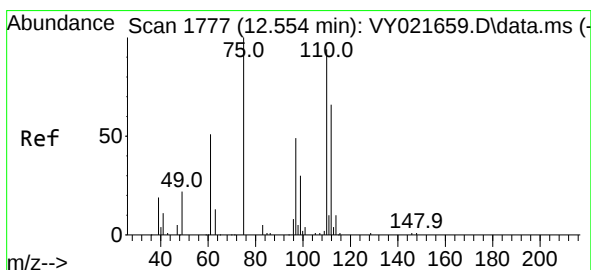
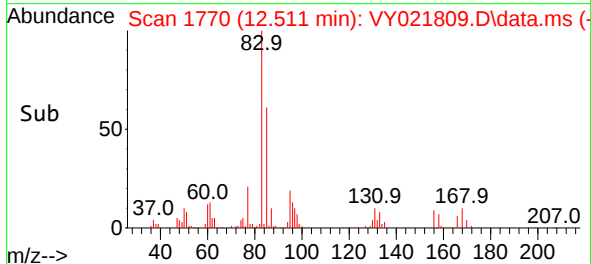
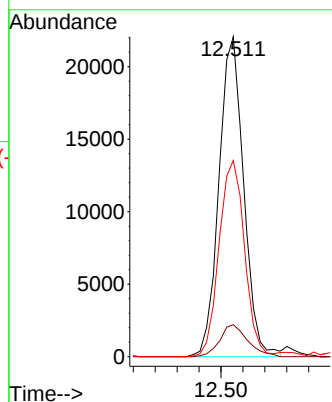
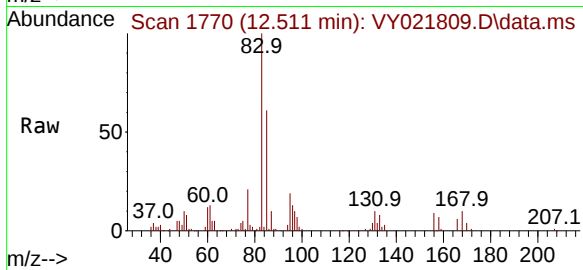
Tgt Ion: 83 Resp: 34546

Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.3

85 63.1 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 34.177 ug/l

RT: 12.560 min Scan# 1778

Delta R.T. 0.006 min

Lab File: VY021809.D

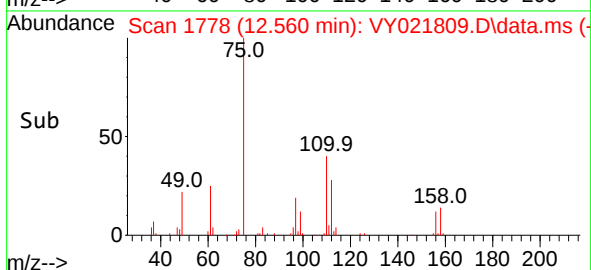
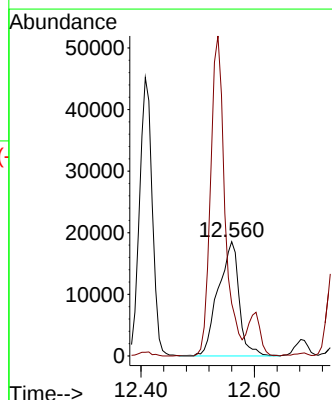
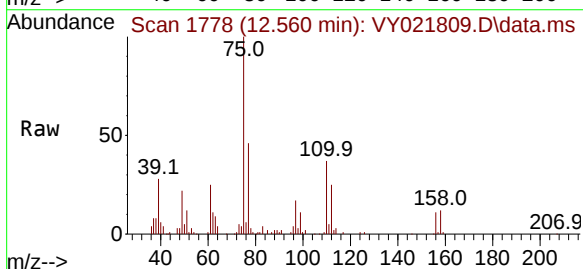
Acq: 09 Apr 2025 10:53

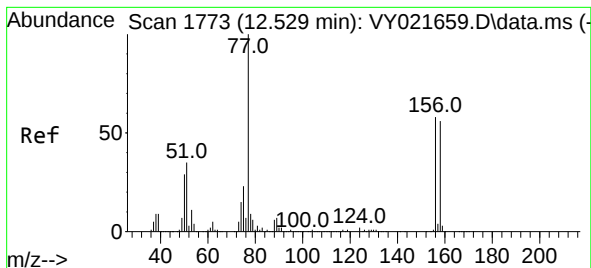
Tgt Ion: 75 Resp: 47623

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.461 ug/l

RT: 12.536 min Scan# 1773

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

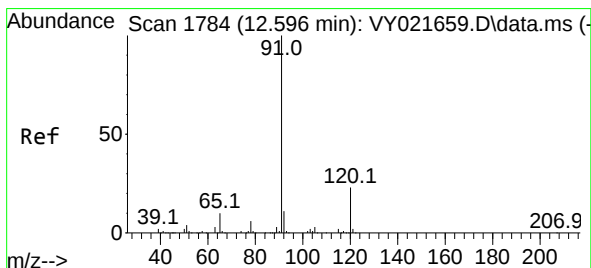
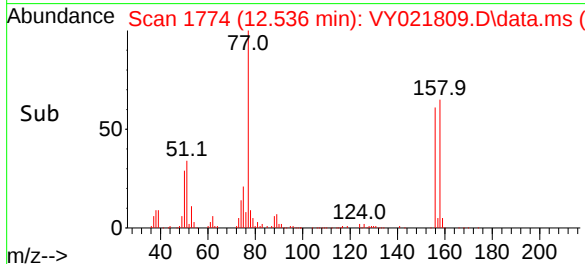
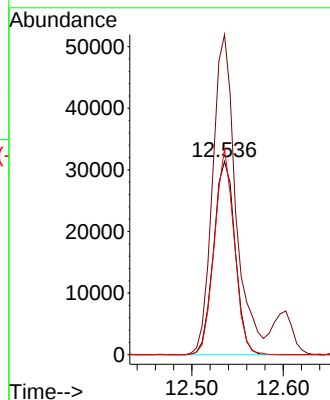
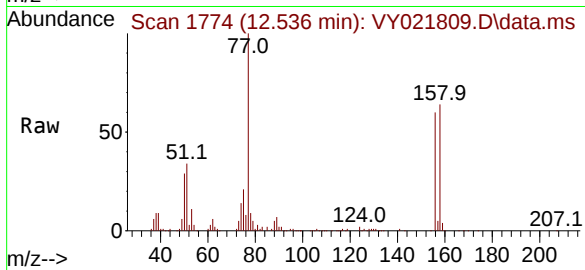
Tgt Ion:156 Resp: 51293

Ion Ratio Lower Upper

156 100

77 178.4 92.8 278.3

158 98.6 48.5 145.6



#78

n-propylbenzene

Concen: 20.755 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY021809.D

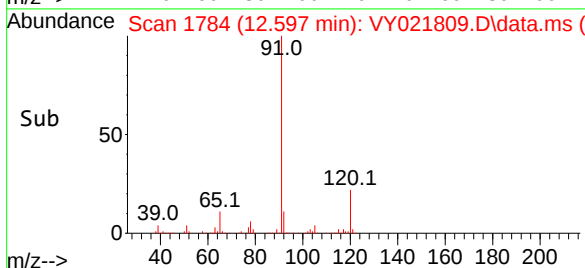
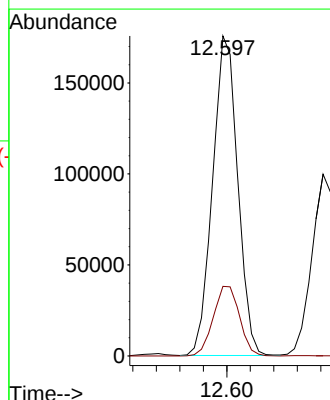
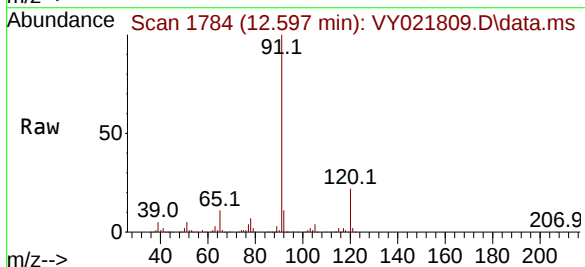
Acq: 09 Apr 2025 10:53

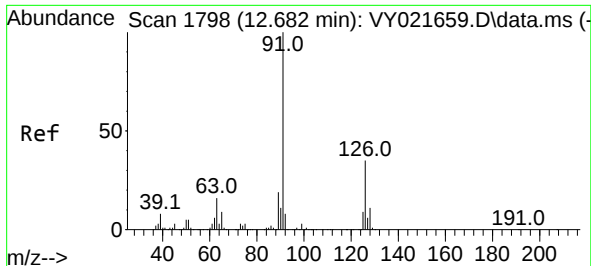
Tgt Ion: 91 Resp: 260519

Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.9

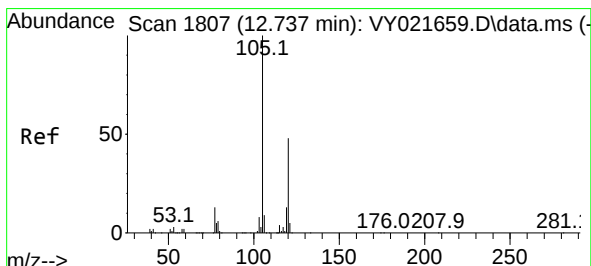
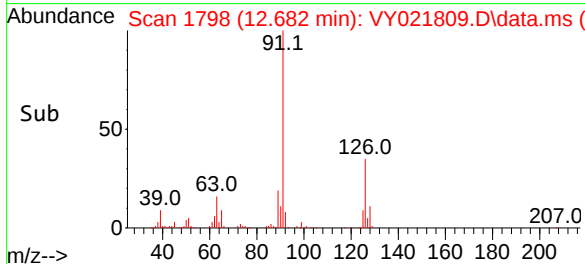
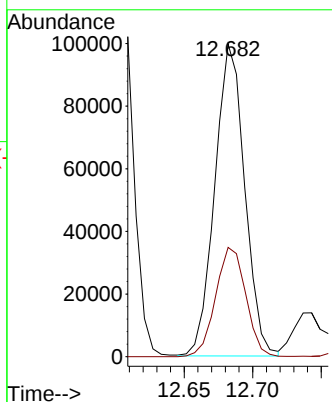
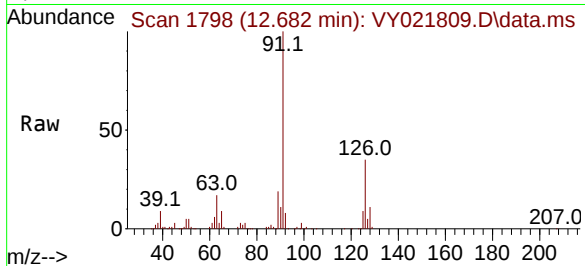




#79  
2-Chlorotoluene  
Concen: 20.743 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

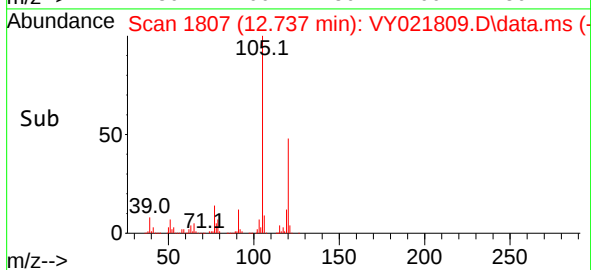
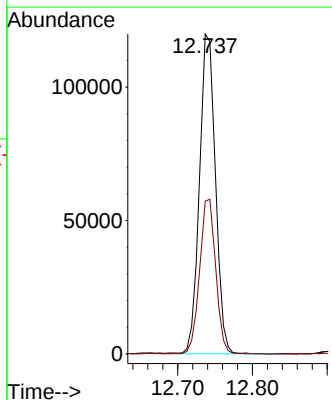
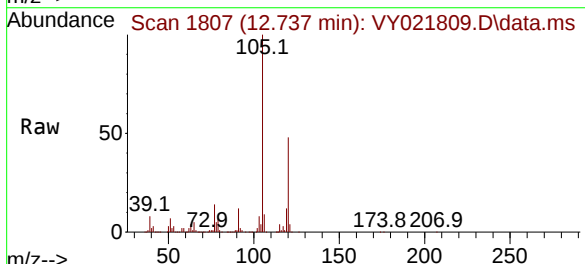
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

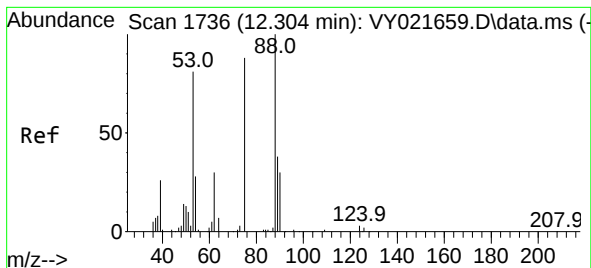
Tgt Ion: 91 Resp: 151225  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.3 52.0



#80  
1,3,5-Trimethylbenzene  
Concen: 20.878 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 105 Resp: 178154  
Ion Ratio Lower Upper  
105 100  
120 48.8 24.5 73.5

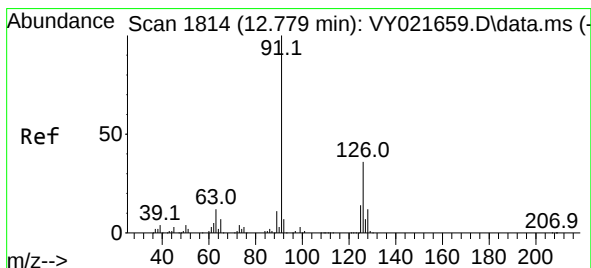
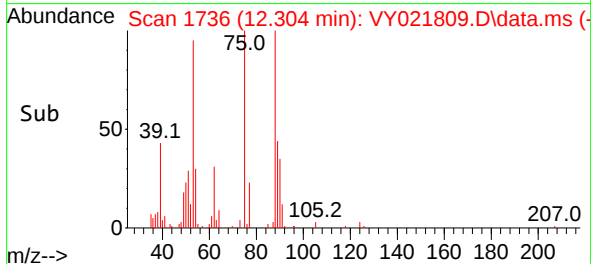
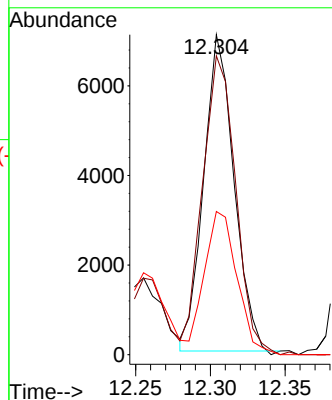
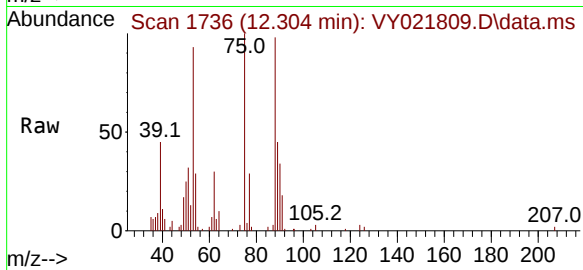




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.424 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

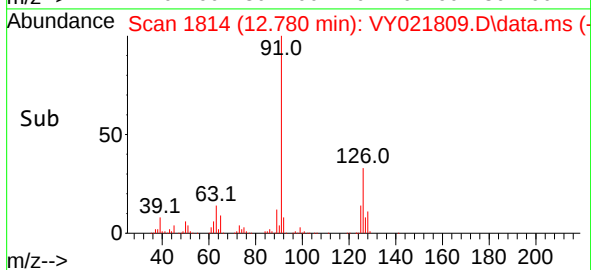
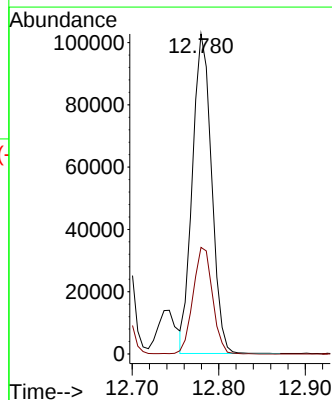
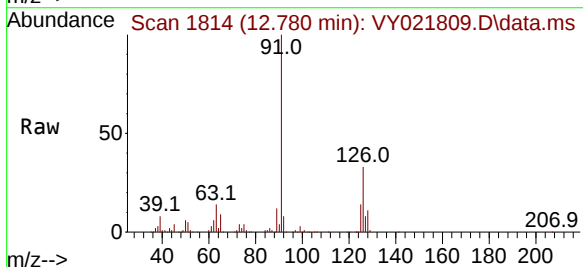
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

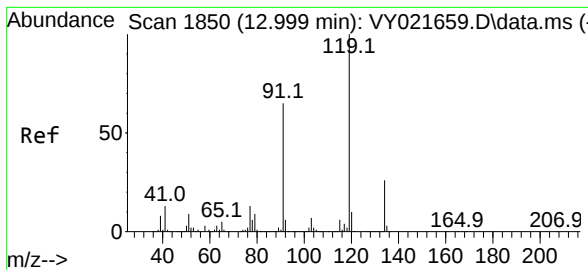
Tgt Ion: 75 Resp: 9932  
Ion Ratio Lower Upper  
75 100  
53 103.9 76.1 114.1  
89 48.6 36.2 54.4



#82  
4-Chlorotoluene  
Concen: 20.719 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 91 Resp: 157483  
Ion Ratio Lower Upper  
91 100  
126 34.0 17.0 50.9

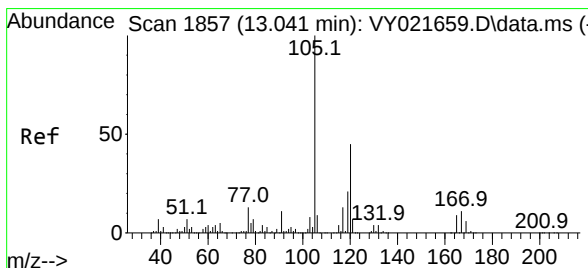
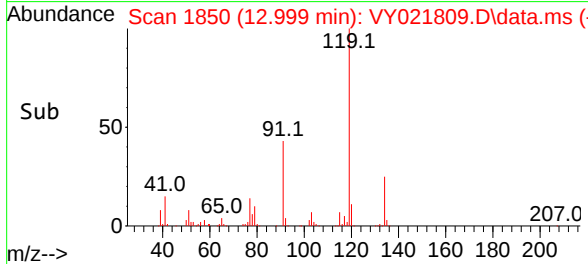
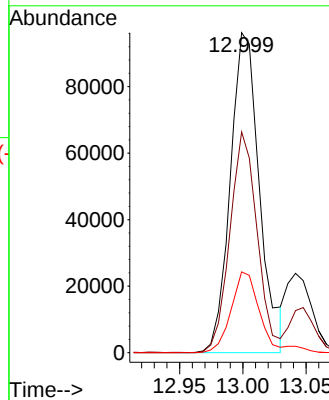
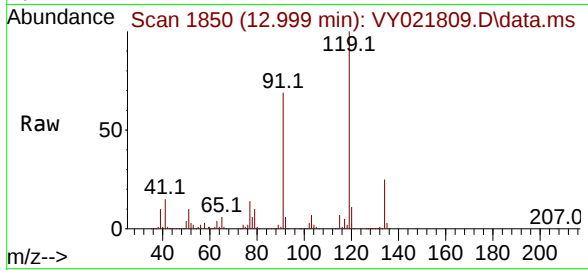




#83  
 tert-Butylbenzene  
 Concen: 20.314 ug/l  
 RT: 12.999 min Scan# 1850  
 Delta R.T. 0.000 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

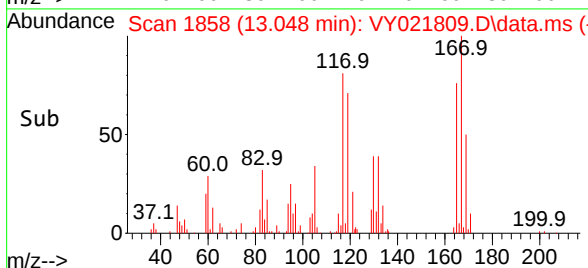
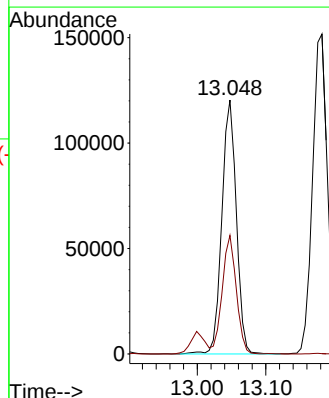
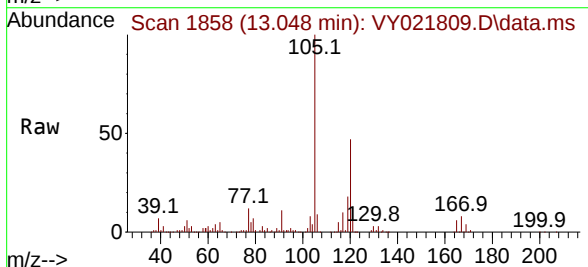
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBS01

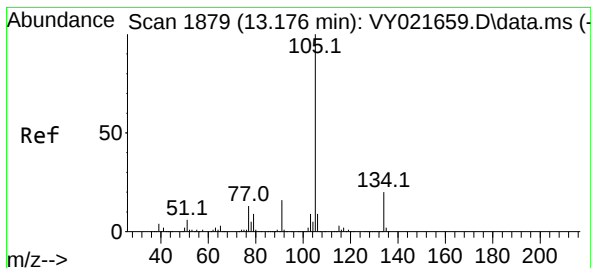
Tgt Ion:119 Resp: 154398  
 Ion Ratio Lower Upper  
 119 100  
 91 64.5 32.6 97.7  
 134 25.4 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.893 ug/l  
 RT: 13.048 min Scan# 1858  
 Delta R.T. 0.006 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

Tgt Ion:105 Resp: 176210  
 Ion Ratio Lower Upper  
 105 100  
 120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 20.576 ug/l

RT: 13.182 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

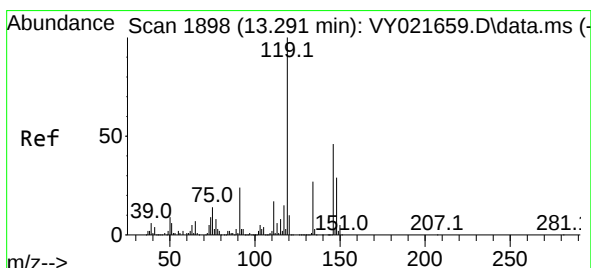
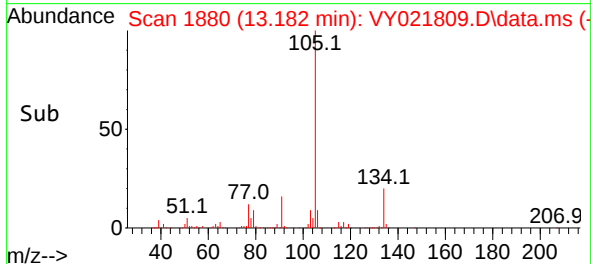
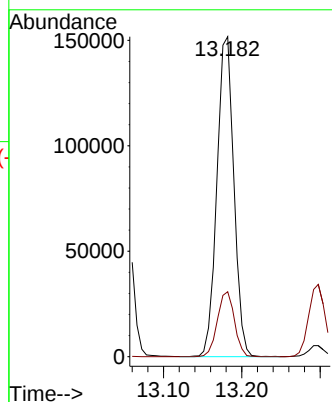
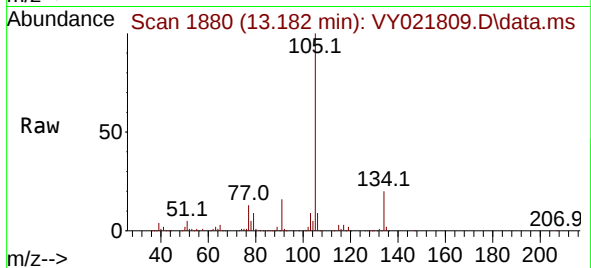
VY0409SBSD01

Tgt Ion:105 Resp: 228544

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1



#86

p-Isopropyltoluene

Concen: 20.908 ug/l

RT: 13.298 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

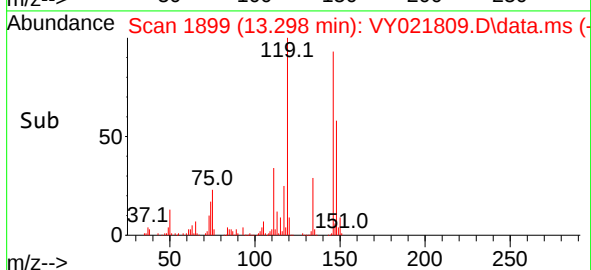
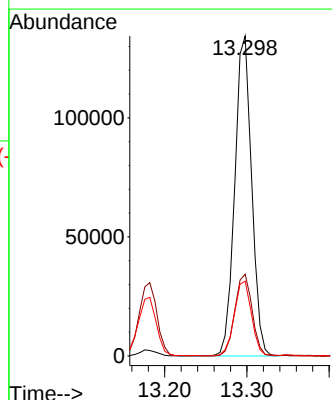
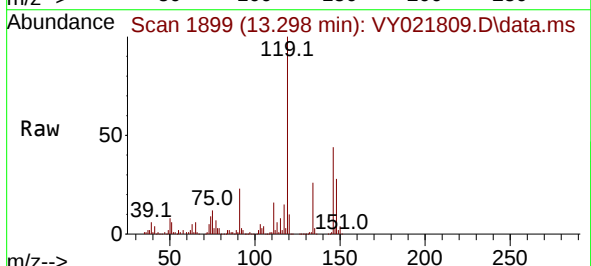
Tgt Ion:119 Resp: 191943

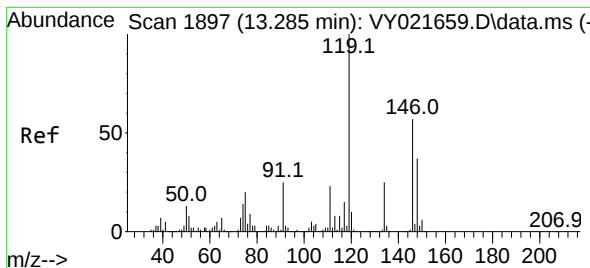
Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.5

91 23.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 20.922 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

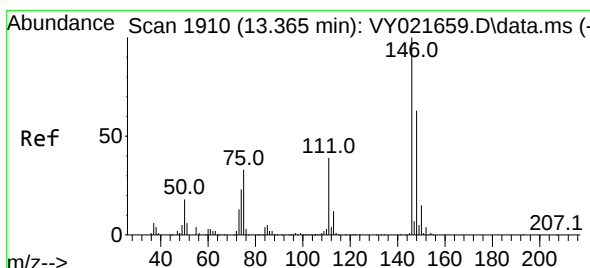
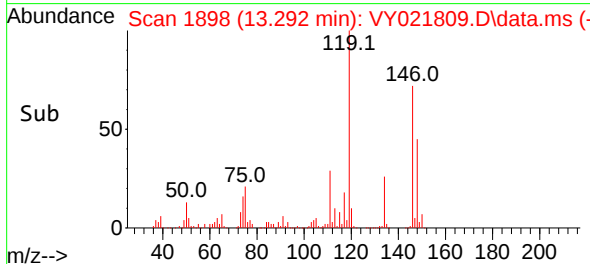
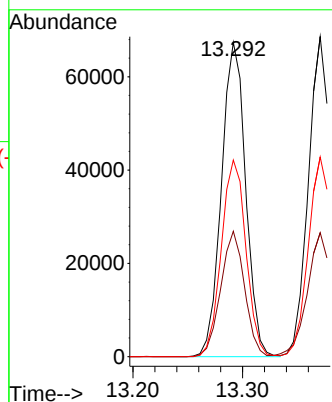
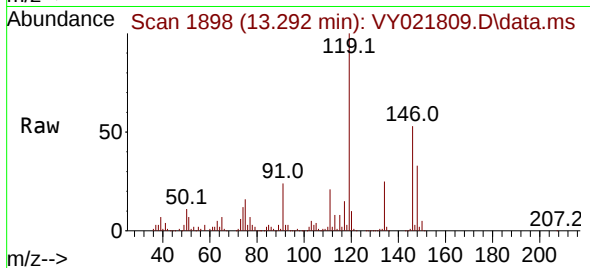
Tgt Ion:146 Resp: 103331

Ion Ratio Lower Upper

146 100

111 39.4 20.0 60.0

148 63.7 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 20.798 ug/l

RT: 13.371 min Scan# 1911

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

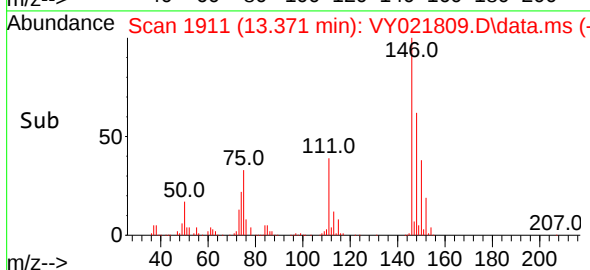
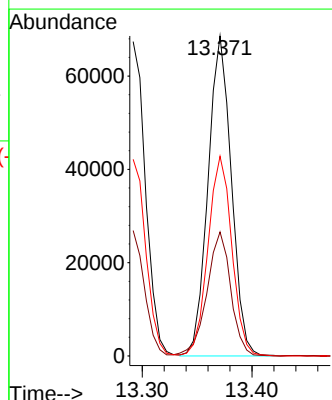
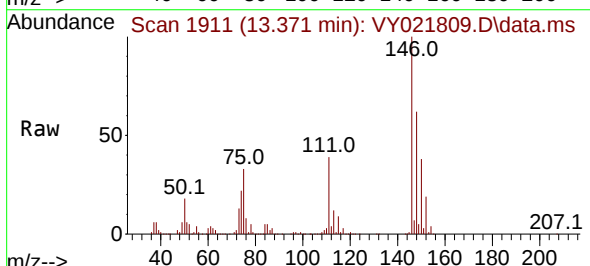
Tgt Ion:146 Resp: 101489

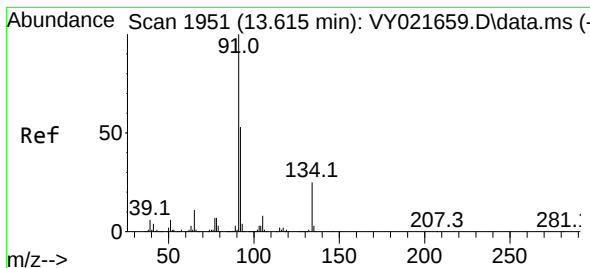
Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.1

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 20.233 ug/l

RT: 13.621 min Scan# 1951

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBSD01

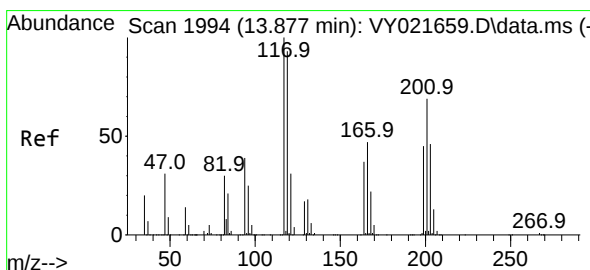
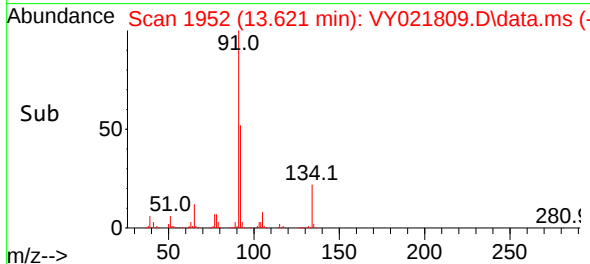
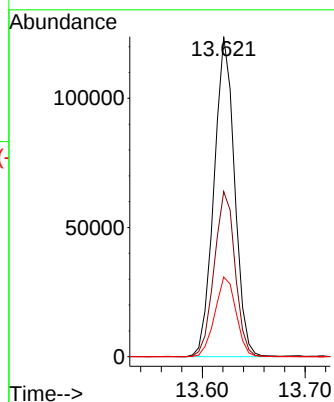
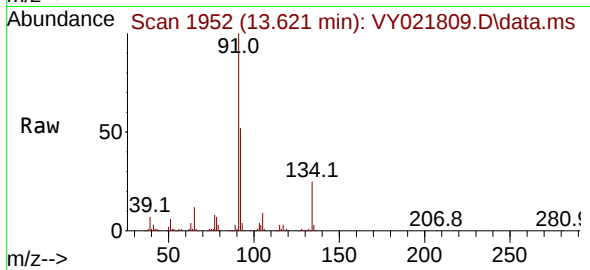
Tgt Ion: 91 Resp: 171780

Ion Ratio Lower Upper

91 100

92 52.5 26.4 79.2

134 25.7 12.8 38.4



#90

Hexachloroethane

Concen: 19.822 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VY021809.D

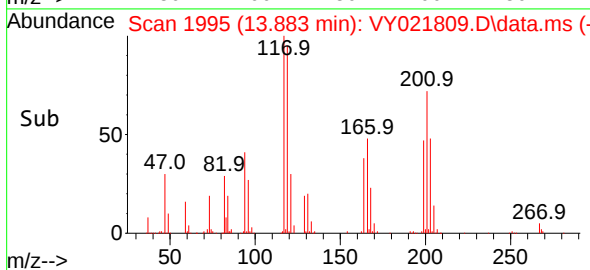
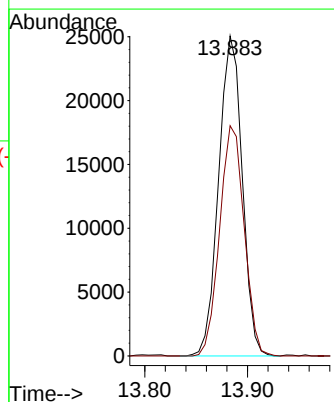
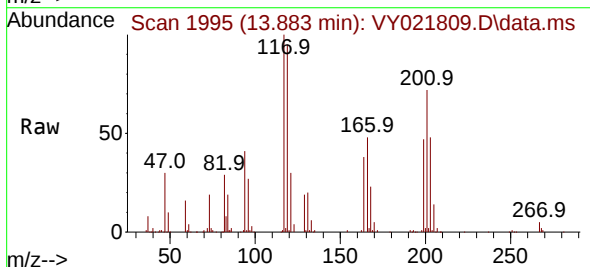
Acq: 09 Apr 2025 10:53

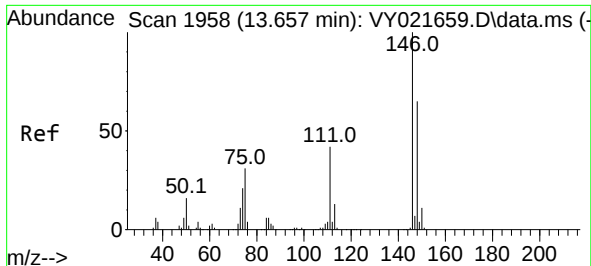
Tgt Ion: 117 Resp: 39877

Ion Ratio Lower Upper

117 100

201 74.9 37.4 112.1

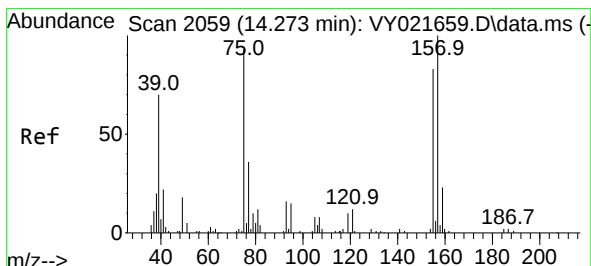
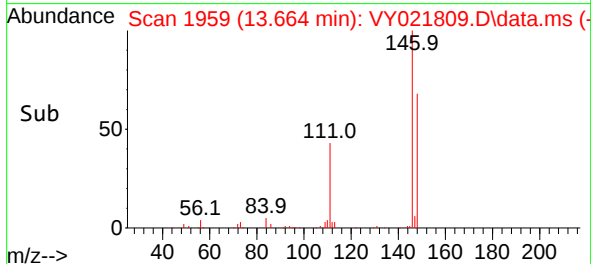
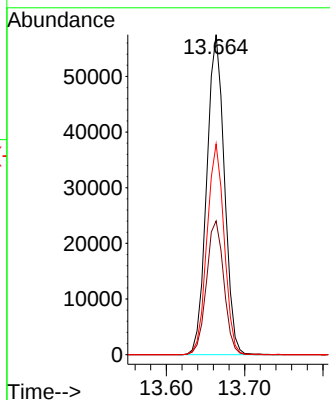
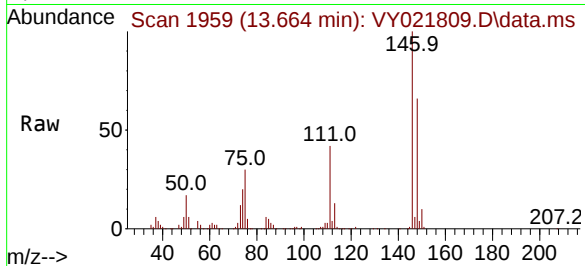




#91  
1,2-Dichlorobenzene  
Concen: 20.896 ug/l  
RT: 13.664 min Scan# 1958  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

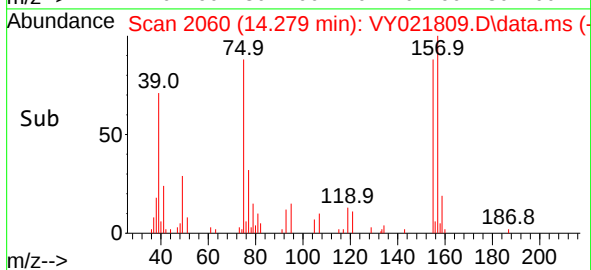
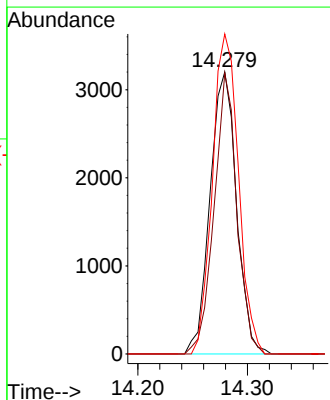
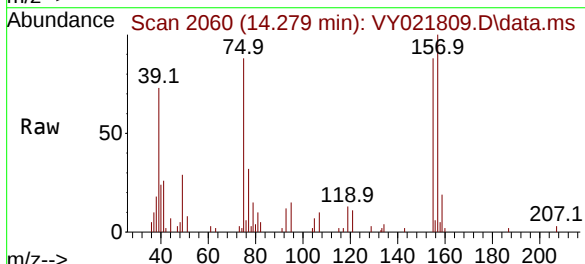
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0409SBS01

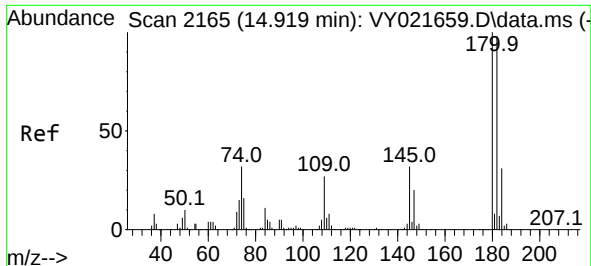
Tgt Ion:146 Resp: 89841  
Ion Ratio Lower Upper  
146 100  
111 41.2 20.7 62.1  
148 63.9 32.3 96.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.416 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: VY021809.D  
Acq: 09 Apr 2025 10:53

Tgt Ion: 75 Resp: 5358  
Ion Ratio Lower Upper  
75 100  
155 85.8 43.0 128.8  
157 111.9 54.0 162.0

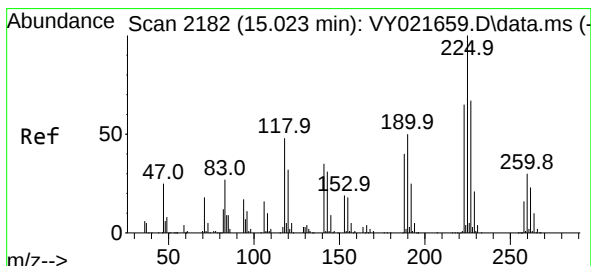
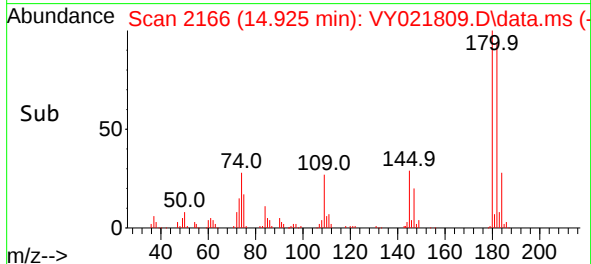
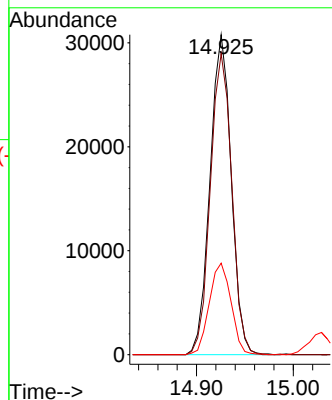
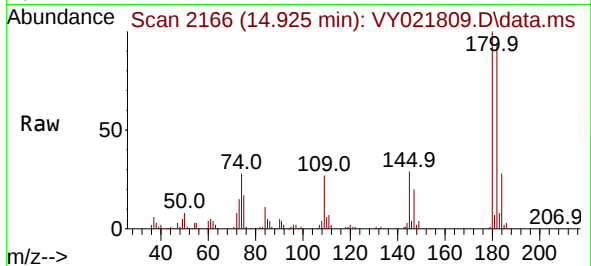




#93  
 1,2,4-Trichlorobenzene  
 Concen: 20.099 ug/l  
 RT: 14.925 min Scan# 2166  
 Delta R.T. 0.006 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

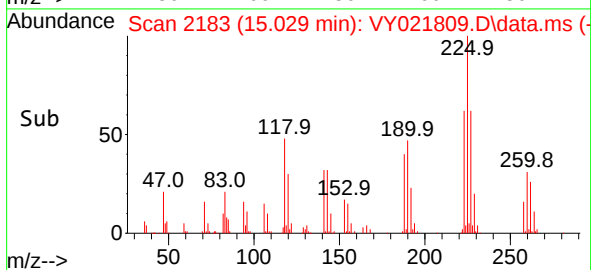
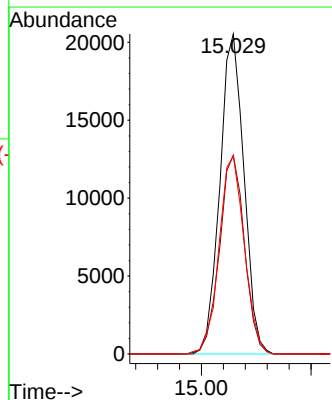
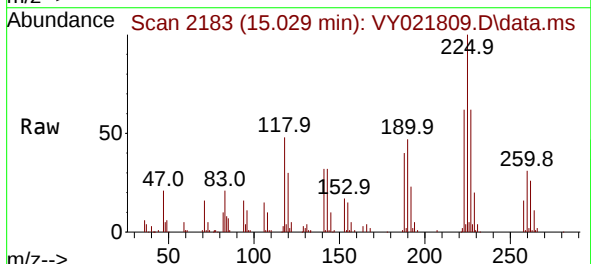
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0409SBS01

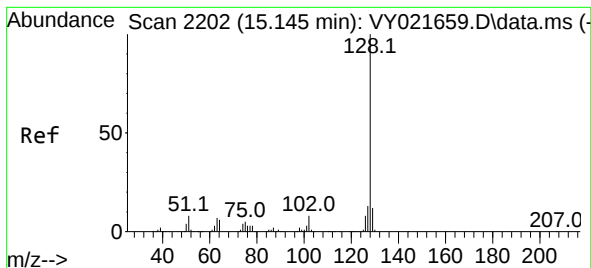
Tgt Ion:180 Resp: 46862  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 47.5 142.6  
 145 29.3 14.9 44.9



#94  
 Hexachlorobutadiene  
 Concen: 21.524 ug/l  
 RT: 15.029 min Scan# 2183  
 Delta R.T. 0.006 min  
 Lab File: VY021809.D  
 Acq: 09 Apr 2025 10:53

Tgt Ion:225 Resp: 31341  
 Ion Ratio Lower Upper  
 225 100  
 223 63.9 31.9 95.7  
 227 64.7 32.4 97.0





#95

Naphthalene

Concen: 17.926 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Instrument :

MSVOA\_Y

ClientSampleId :

VY0409SBS01

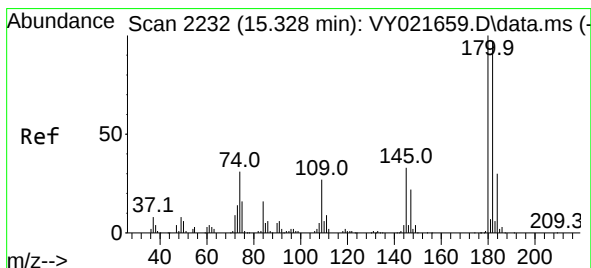
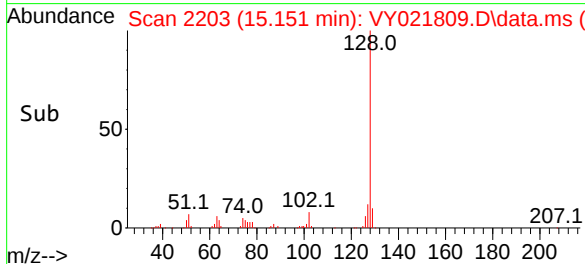
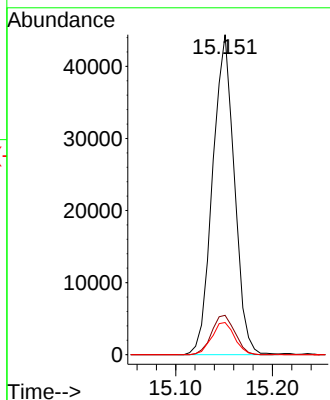
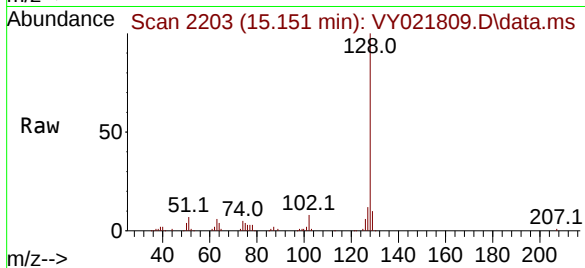
Tgt Ion:128 Resp: 69275

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 10.6 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 20.443 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY021809.D

Acq: 09 Apr 2025 10:53

Tgt Ion:180 Resp: 40645

Ion Ratio Lower Upper

180 100

182 91.5 47.5 142.5

145 31.3 15.9 47.7

