

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082825\  
 Data File : VY023216.D  
 Acq On : 28 Aug 2025 10:58  
 Operator : SY/MD  
 Sample : VY0828SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

Quant Time: Aug 29 02:06:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 498098   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 773362   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 674652   | 50.000 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 338228   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 211496   | 44.552   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 89.100% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 224907   | 48.602   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.200% |
| 50) Toluene-d8              | 10.109 | 98    | 870100   | 48.131   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 96.260% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 271734   | 46.739   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.480% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 83858  | 20.625  | ug/l   | 97  |
| 3) Chloromethane             | 2.074 | 50  | 125293 | 19.026  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.208 | 62  | 158742 | 19.501  | ug/l   | 100 |
| 5) Bromomethane              | 2.598 | 94  | 129210 | 21.254  | ug/l   | 99  |
| 6) Chloroethane              | 2.739 | 64  | 108018 | 19.959  | ug/l   | 94  |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 192173 | 19.415  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.458 | 74  | 51389  | 19.624  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 102761 | 21.044  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.007 | 142 | 108284 | 20.550  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.866 | 59  | 27140  | 83.437  | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 100174 | 20.870  | ug/l   | 94  |
| 13) Acrolein                 | 3.653 | 56  | 23134  | 48.563  | ug/l   | 96  |
| 14) Allyl chloride           | 4.385 | 41  | 131421 | 18.608  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.061 | 53  | 94735  | 88.983  | ug/l   | 99  |
| 16) Acetone                  | 3.872 | 43  | 112821 | 109.699 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.110 | 76  | 306008 | 19.552  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.391 | 43  | 54395  | 17.773  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 232384 | 18.684  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.616 | 84  | 116812 | 20.240  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 110389 | 20.465  | ug/l   | 97  |
| 22) Diisopropyl ether        | 6.018 | 45  | 290855 | 18.951  | ug/l   | 93  |
| 23) Vinyl Acetate            | 5.964 | 43  | 759068 | 89.446  | ug/l   | 98  |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 187797 | 20.014  | ug/l   | 100 |
| 25) 2-Butanone               | 6.896 | 43  | 132415 | 94.667  | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 166801 | 20.601  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 125779 | 20.170  | ug/l   | 97  |
| 28) Bromochloromethane       | 7.250 | 49  | 71877  | 19.308  | ug/l   | 91  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 73570  | 84.854  | ug/l   | 97  |
| 30) Chloroform               | 7.421 | 83  | 202146 | 20.889  | ug/l   | 95  |
| 31) Cyclohexane              | 7.701 | 56  | 163947 | 18.541  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 176604 | 20.567  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 139904 | 20.343  | ug/l   | 97  |
| 37) Ethyl Acetate            | 6.988 | 43  | 52562  | 18.194  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 157947 | 21.145  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.109 | 83  | 182393 | 20.140  | ug/l   | 97  |
| 40) Benzene                  | 8.085 | 78  | 440711 | 20.792  | ug/l   | 100 |

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 Sample : VY0828SBS01  
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 ALS Vial : 3 Sample Multiplier: 1

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 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

Quant Time: Aug 29 02:06:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 13 02:10:11 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 31972    | 19.176  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 109363   | 19.838  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 103991   | 17.810  | ug/l # | 83       |
| 44) Trichloroethene           | 8.865  | 130  | 121943   | 22.262  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 98914    | 20.281  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 56739    | 20.269  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.426  | 83   | 149137   | 20.705  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 49287    | 17.640  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 12530    | 381.748 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 261747   | 86.904  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 283148   | 21.032  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 126830   | 19.445  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 153698   | 19.927  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 79072    | 21.110  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 86063    | 17.956  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 127696   | 20.102  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 188653   | 83.442  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.762 | 43   | 188411   | 91.868  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.914 | 129  | 102355   | 20.709  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 70975    | 20.160  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 149009   | 24.735  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.444 | 112  | 307503   | 21.131  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 104833   | 21.226  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.517 | 91   | 511453   | 20.423  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.627 | 106  | 404563   | 41.363  | ug/l   | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 187580   | 20.477  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 305060   | 20.363  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 58850    | 20.388  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 490612   | 20.552  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.072 | 43   | 84323    | 16.657  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 73253    | 17.972  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 102464   | 31.390  | ug/l # | 100      |
| 77) Bromobenzene              | 12.536 | 156  | 121226   | 21.286  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.597 | 91   | 582228   | 20.486  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 335016   | 20.573  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 397240   | 20.590  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 25038    | 18.567  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 345600   | 20.459  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 354889   | 20.367  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 393756   | 20.502  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 529646   | 20.692  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 443763   | 20.886  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 234109   | 20.845  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 232922   | 20.907  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 388450   | 19.906  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 93560    | 21.511  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 206517   | 20.967  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 11525    | 18.160  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 115389   | 19.811  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 71675    | 20.941  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 172952   | 17.414  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 97205    | 19.367  | ug/l   | 99       |

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Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

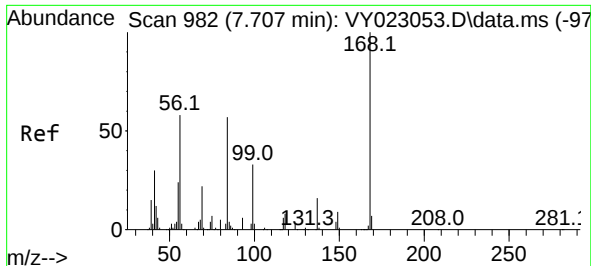
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Quant Time: Aug 29 02:06:58 2025  
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Quant Title : SW846 8260  
QLast Update : Wed Aug 13 02:10:11 2025  
Response via : Initial Calibration

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

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

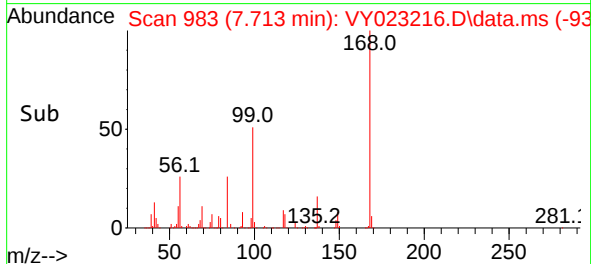
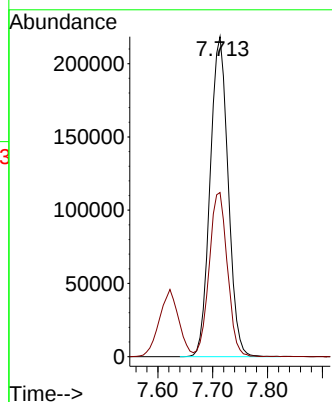
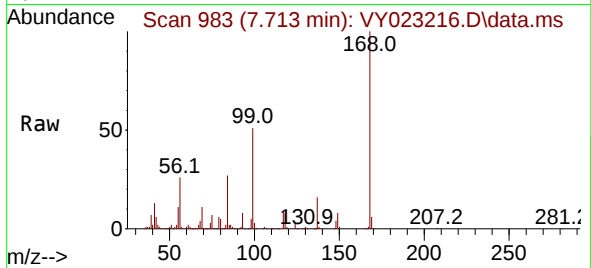




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 9  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

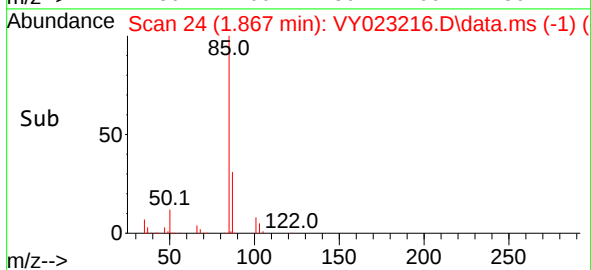
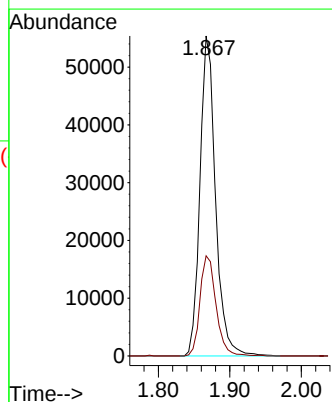
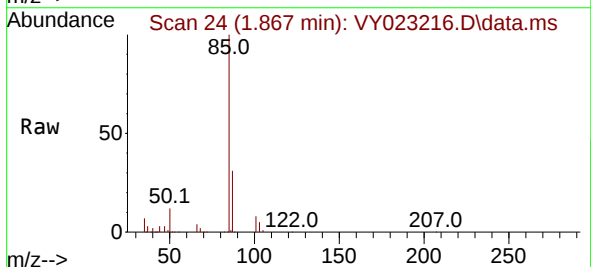
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion:168 Resp: 498098  
Ion Ratio Lower Upper  
168 100  
99 51.3 42.8 64.2



#2  
Dichlorodifluoromethane  
Concen: 20.625 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 85 Resp: 83858  
Ion Ratio Lower Upper  
85 100  
87 31.3 16.6 49.8

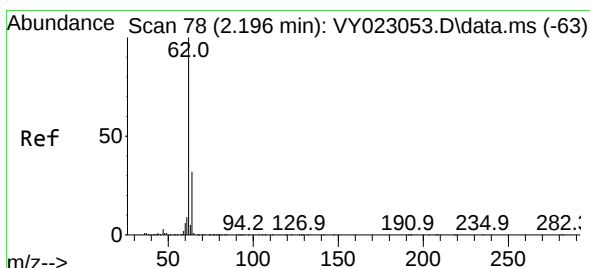
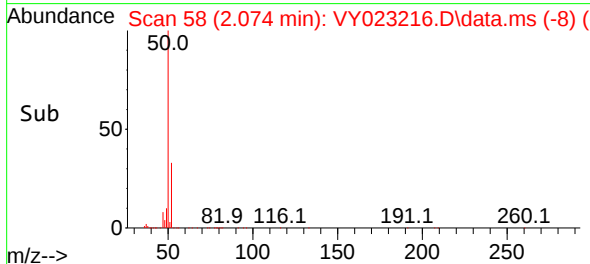
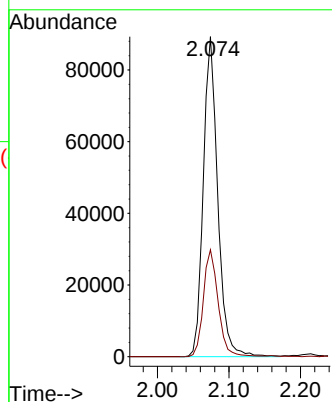
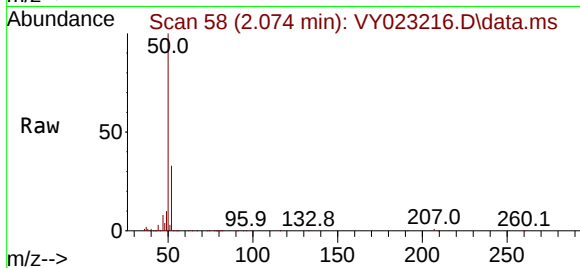




#3  
Chloromethane  
Concen: 19.026 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

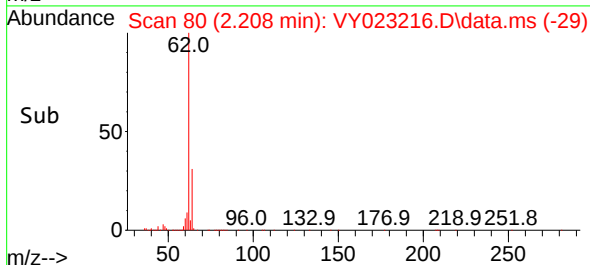
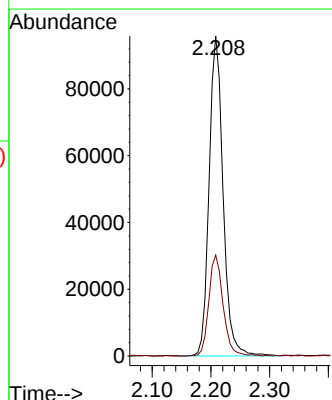
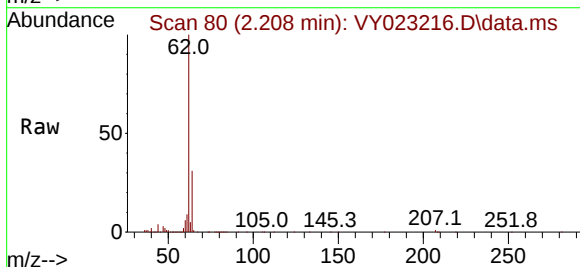
Instrument :  
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ClientSampleId :  
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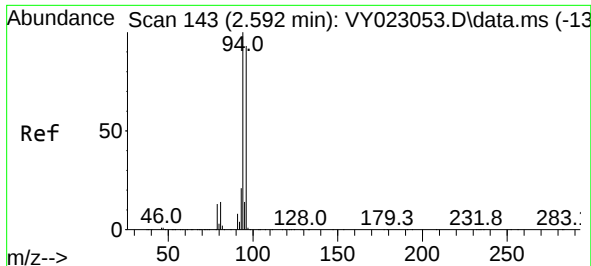
Tgt Ion: 50 Resp: 125293  
Ion Ratio Lower Upper  
50 100  
52 33.4 26.7 40.1



#4  
Vinyl Chloride  
Concen: 19.501 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 62 Resp: 158742  
Ion Ratio Lower Upper  
62 100  
64 31.5 25.4 38.0

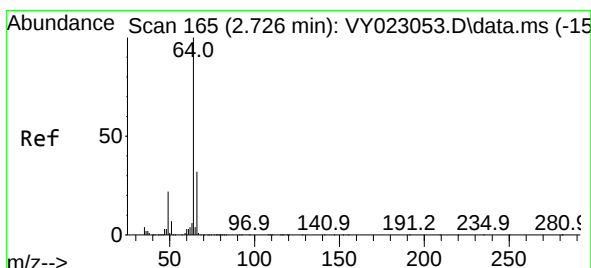
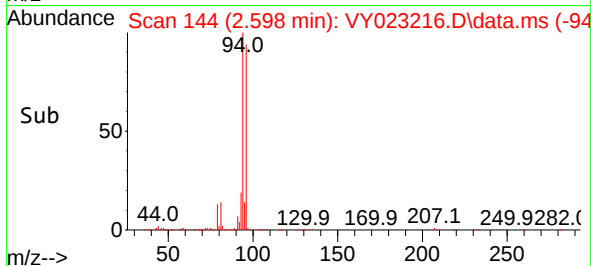
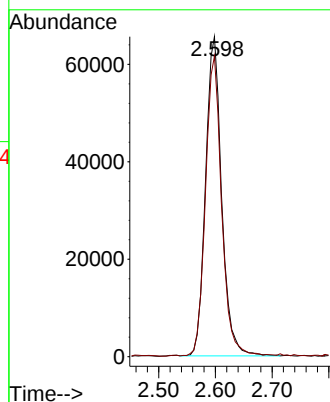
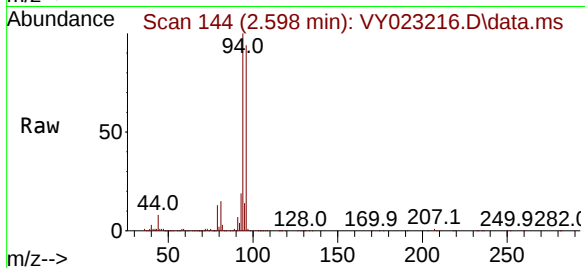




#5  
Bromomethane  
Concen: 21.254 ug/l  
RT: 2.598 min Scan# 143  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

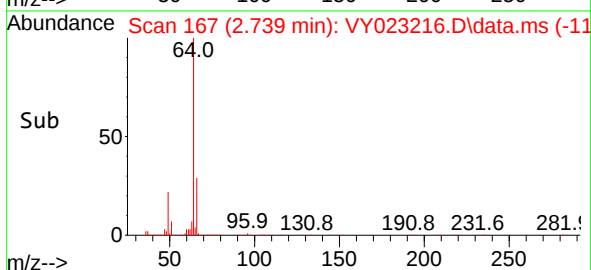
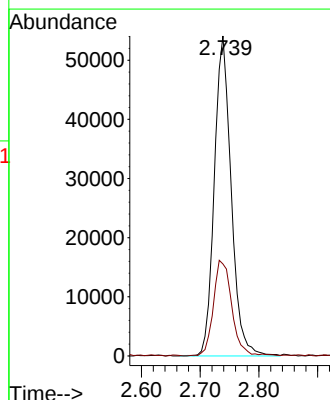
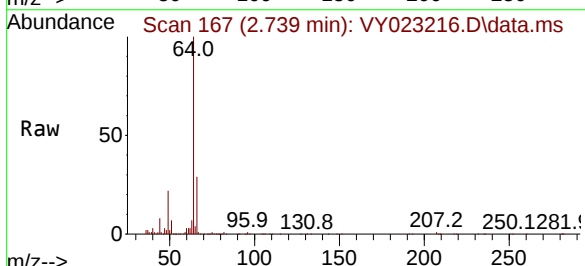
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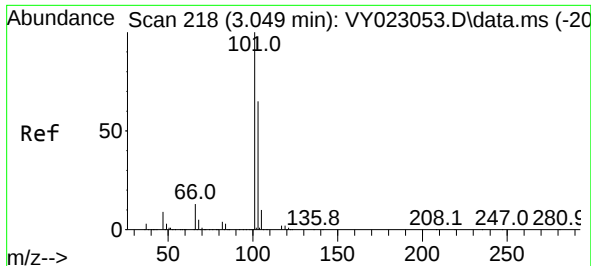
Tgt Ion: 94 Resp: 129210  
Ion Ratio Lower Upper  
94 100  
96 93.9 74.6 112.0



#6  
Chloroethane  
Concen: 19.959 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 64 Resp: 108018  
Ion Ratio Lower Upper  
64 100  
66 28.6 25.8 38.6

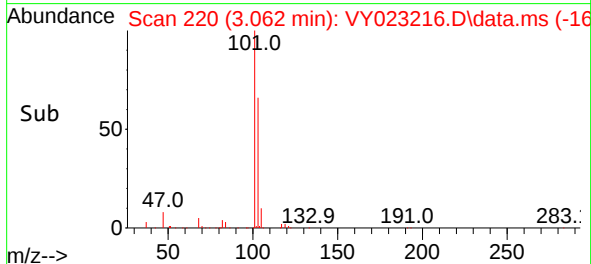
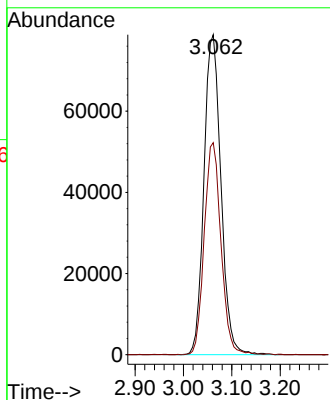
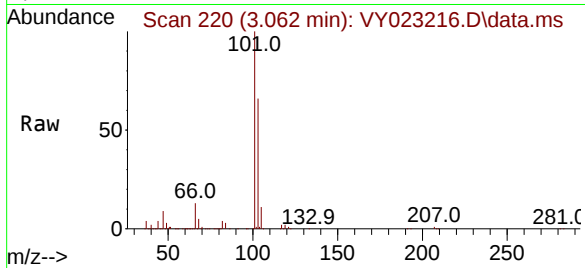




#7  
Trichlorofluoromethane  
Concen: 19.415 ug/l  
RT: 3.062 min Scan# 218  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

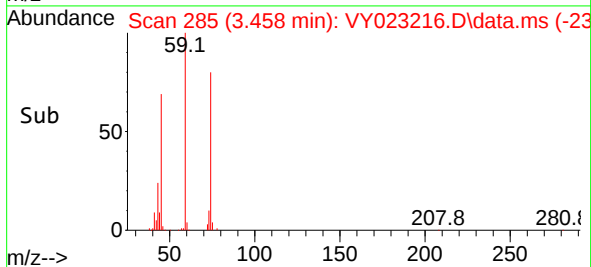
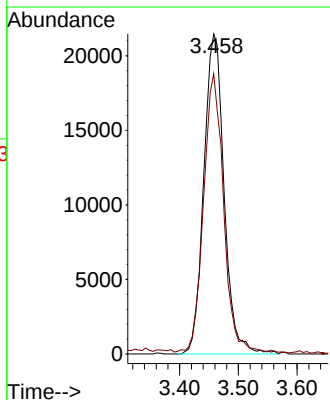
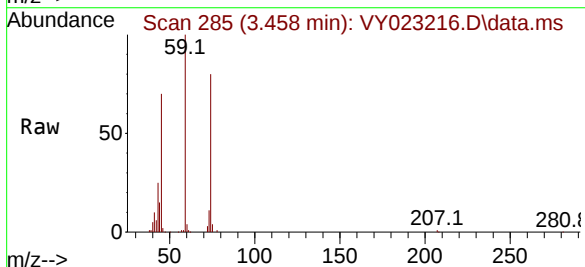
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

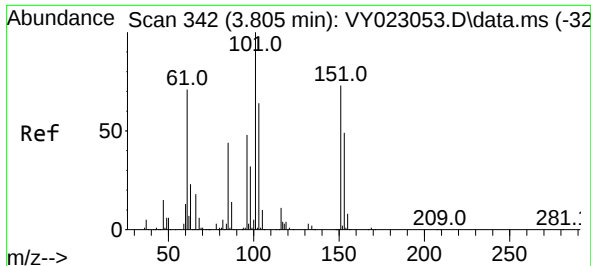
Tgt Ion:101 Resp: 192173  
Ion Ratio Lower Upper  
101 100  
103 66.2 51.9 77.9



#8  
Diethyl Ether  
Concen: 19.624 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 74 Resp: 51389  
Ion Ratio Lower Upper  
74 100  
45 85.2 44.4 133.2

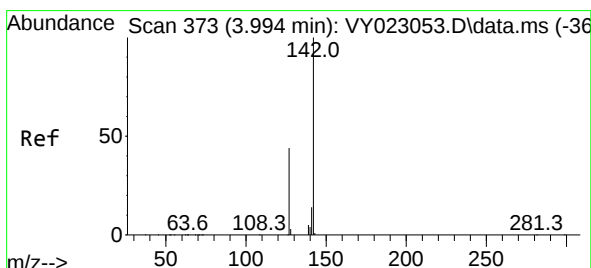
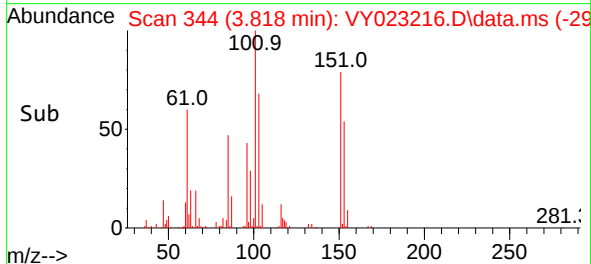
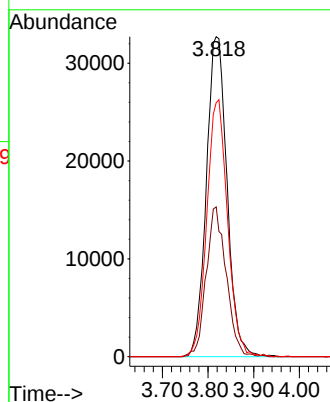
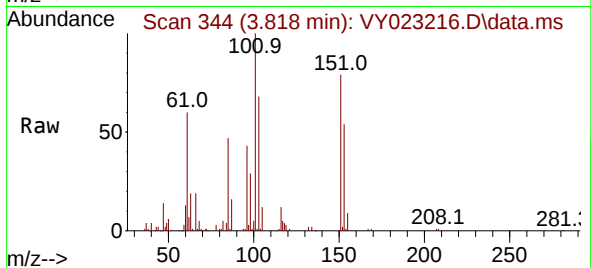




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.044 ug/l  
RT: 3.818 min Scan# 34  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

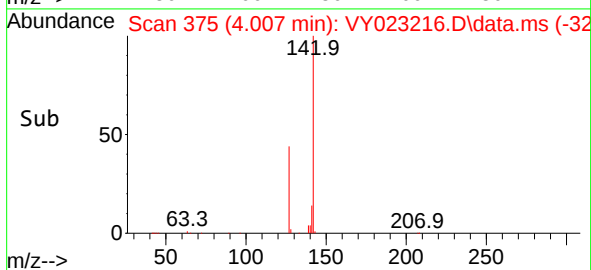
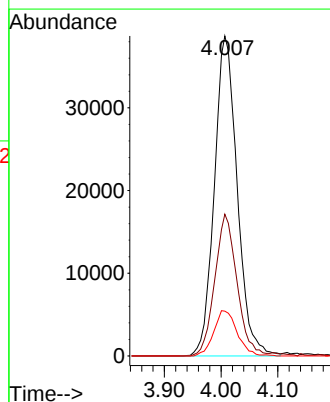
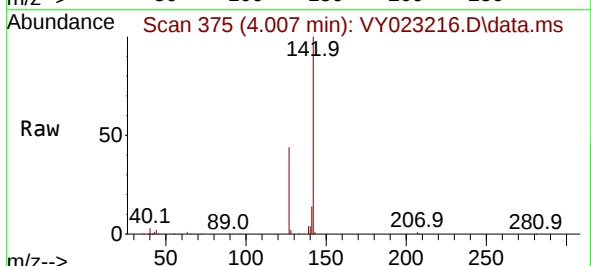
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

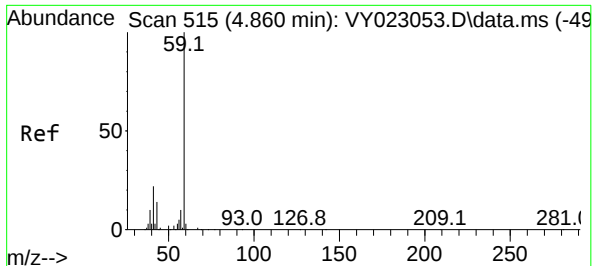
Tgt Ion:101 Resp: 102761  
Ion Ratio Lower Upper  
101 100  
85 45.2 36.3 54.5  
151 80.5 61.5 92.3



#10  
Methyl Iodide  
Concen: 20.550 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion:142 Resp: 108284  
Ion Ratio Lower Upper  
142 100  
127 43.0 34.9 52.3  
141 14.5 11.3 16.9





#11

Tert butyl alcohol

Concen: 83.437 ug/l

RT: 4.866 min Scan# 515

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

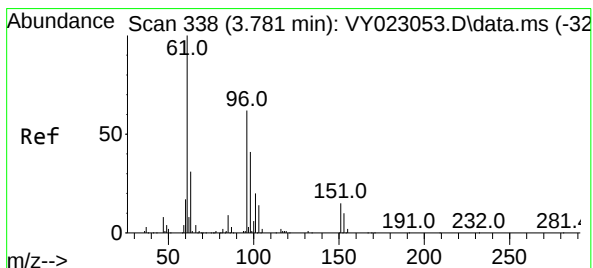
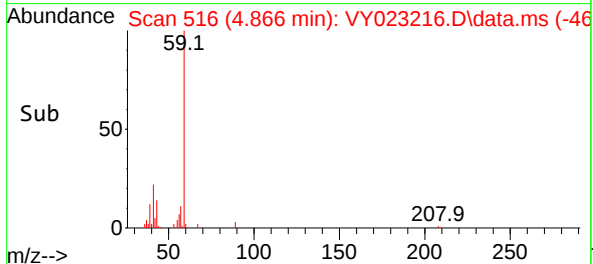
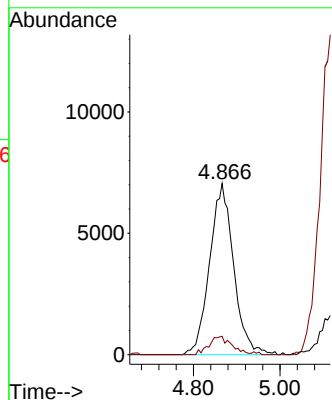
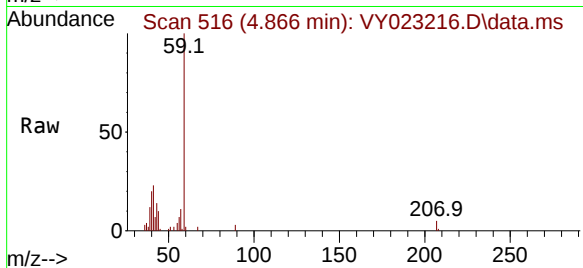
VY0828SBS01

Tgt Ion: 59 Resp: 27140

Ion Ratio Lower Upper

59 100

57 10.1 8.6 13.0



#12

1,1-Dichloroethene

Concen: 20.870 ug/l

RT: 3.793 min Scan# 340

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

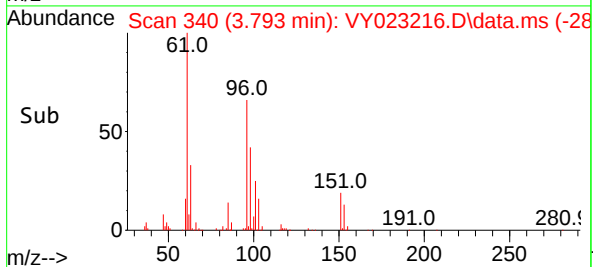
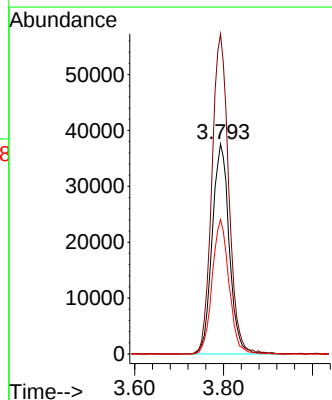
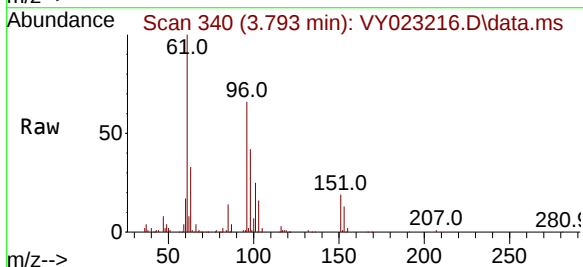
Tgt Ion: 96 Resp: 100174

Ion Ratio Lower Upper

96 100

61 152.5 129.4 194.2

98 64.1 52.8 79.2





#13

Acrolein

Concen: 48.563 ug/l

RT: 3.653 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

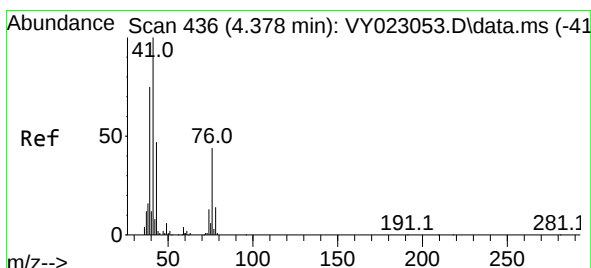
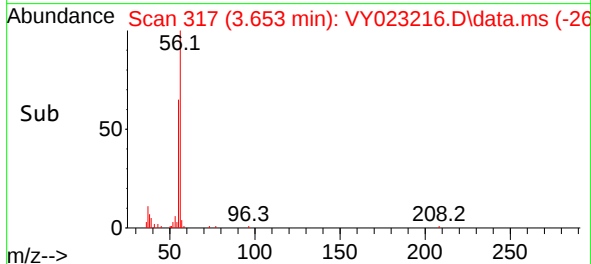
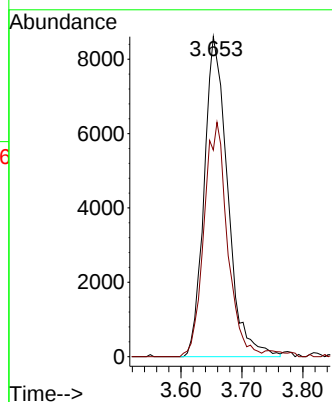
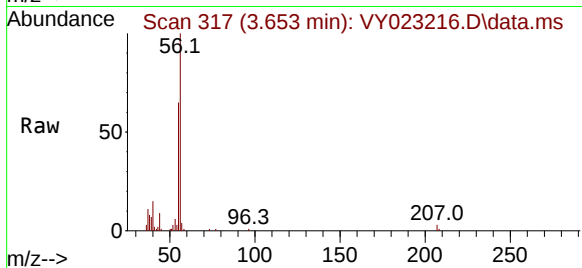
VY0828SBS01

Tgt Ion: 56 Resp: 23134

Ion Ratio Lower Upper

56 100

55 72.6 55.2 82.8



#14

Allyl chloride

Concen: 18.608 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

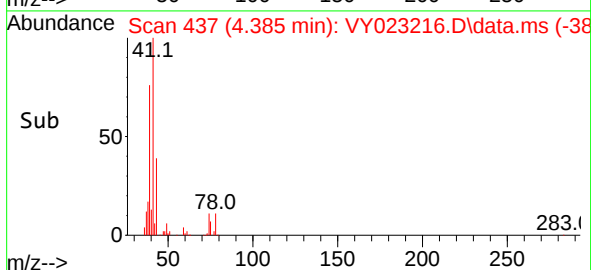
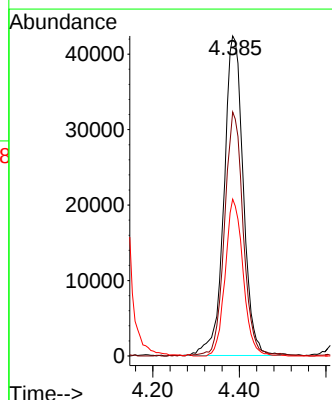
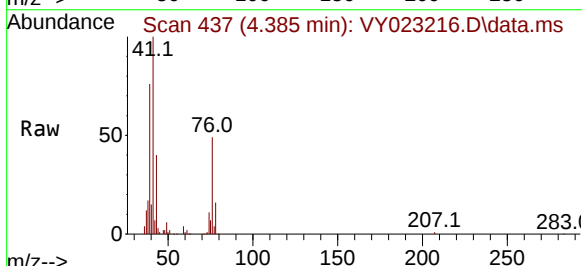
Tgt Ion: 41 Resp: 131421

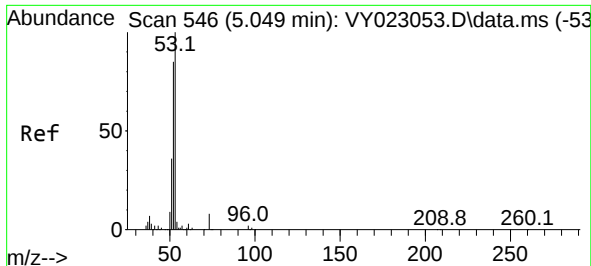
Ion Ratio Lower Upper

41 100

39 73.7 59.8 89.6

76 45.4 33.7 50.5

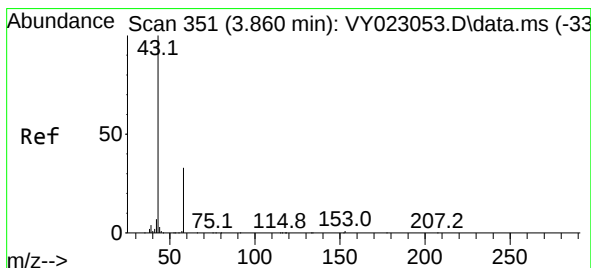
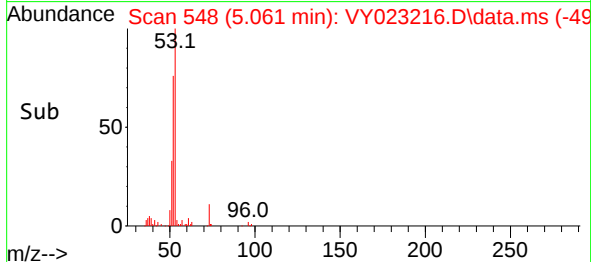
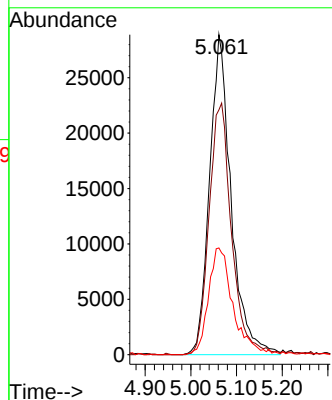
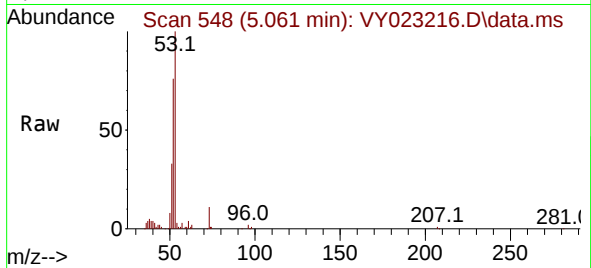




#15  
Acrylonitrile  
Concen: 88.983 ug/l  
RT: 5.061 min Scan# 546  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

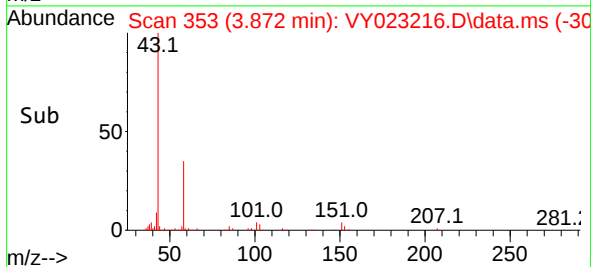
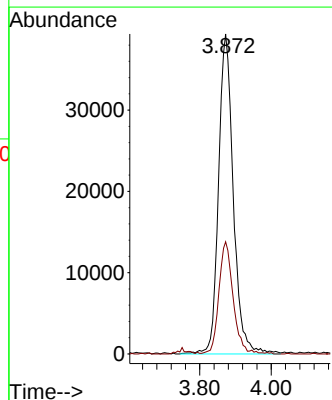
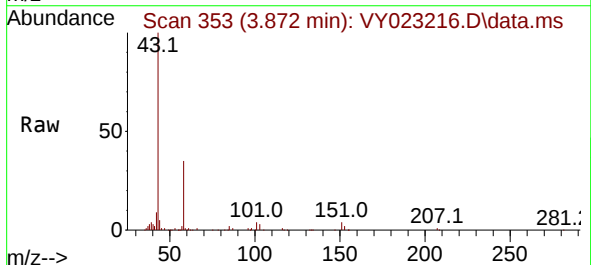
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

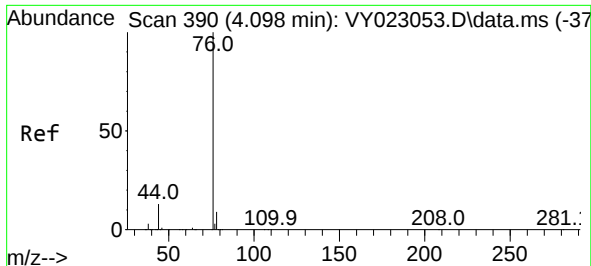
Tgt Ion: 53 Resp: 94735  
Ion Ratio Lower Upper  
53 100  
52 82.6 65.3 97.9  
51 37.9 29.5 44.3



#16  
Acetone  
Concen: 109.699 ug/l  
RT: 3.872 min Scan# 353  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 43 Resp: 112821  
Ion Ratio Lower Upper  
43 100  
58 35.0 27.1 40.7

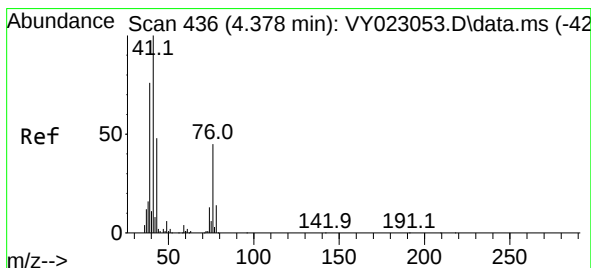
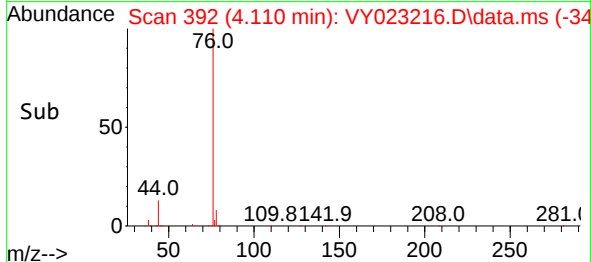
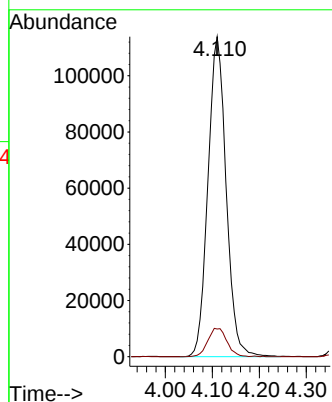
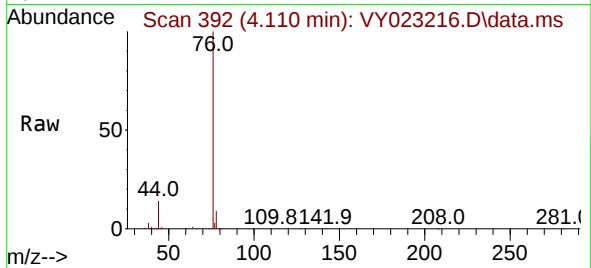




#17  
Carbon Disulfide  
Concen: 19.552 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

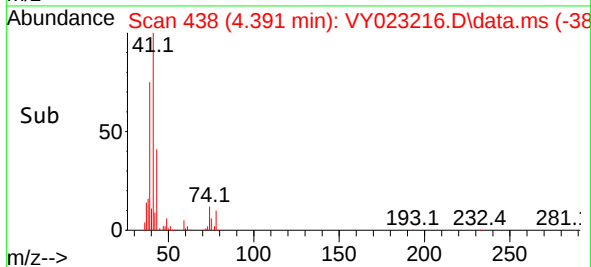
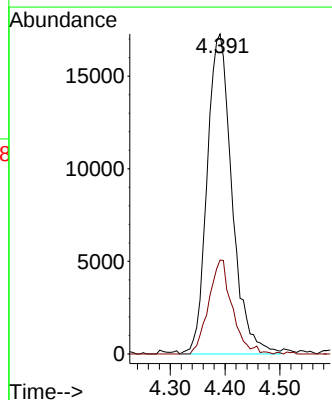
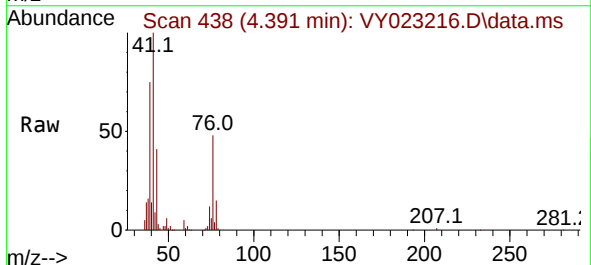
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 76 Resp: 306008  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.4 11.2



#18  
Methyl Acetate  
Concen: 17.773 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 43 Resp: 54395  
Ion Ratio Lower Upper  
43 100  
74 27.8 21.2 31.8

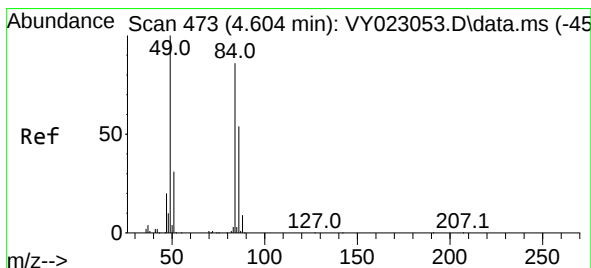
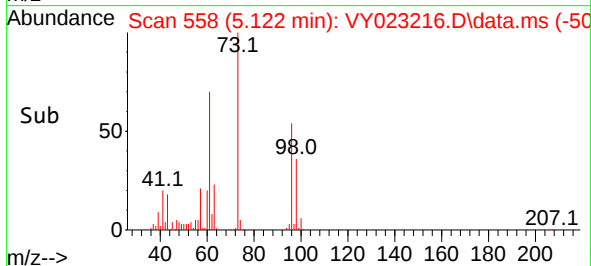
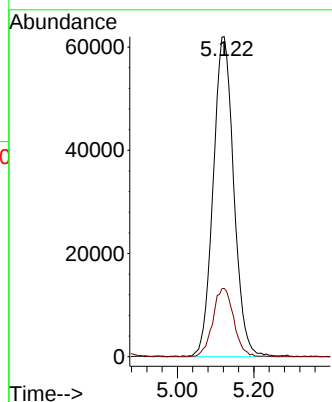
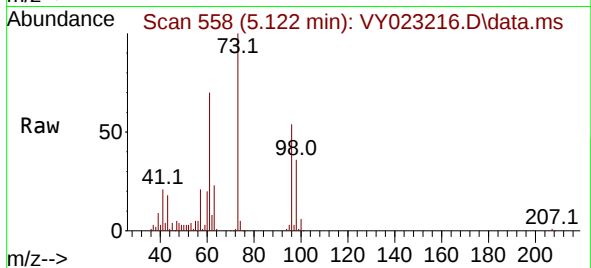




#19  
Methyl tert-butyl Ether  
Concen: 18.684 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

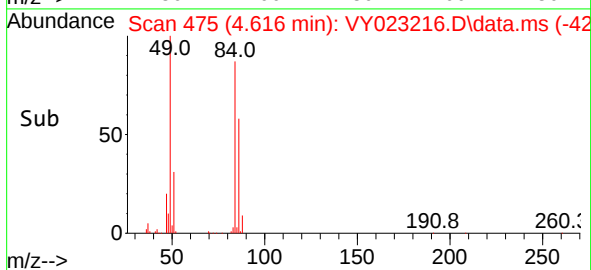
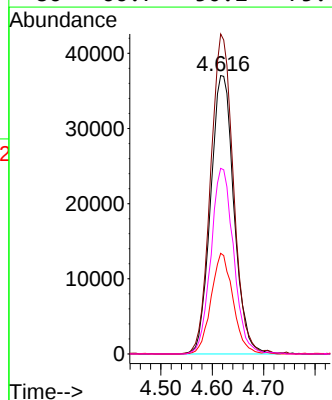
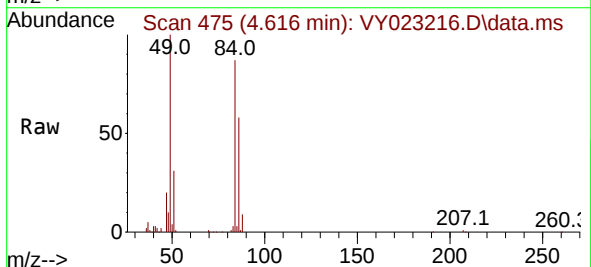
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

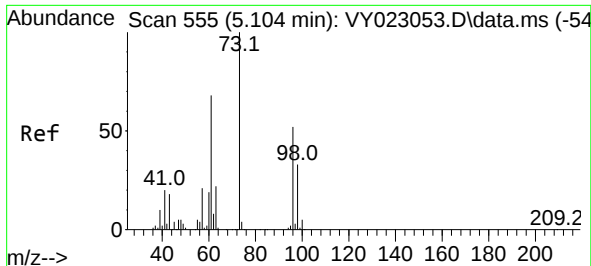
Tgt Ion: 73 Resp: 232384  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.1 25.7



#20  
Methylene Chloride  
Concen: 20.240 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 84 Resp: 116812  
Ion Ratio Lower Upper  
84 100  
49 114.9 93.0 139.6  
51 36.2 29.0 43.4  
86 66.7 50.2 75.4

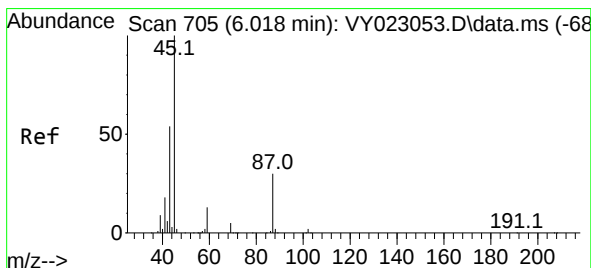
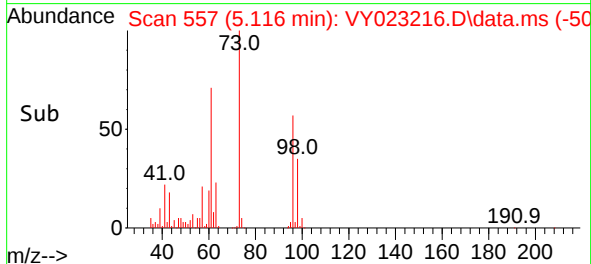
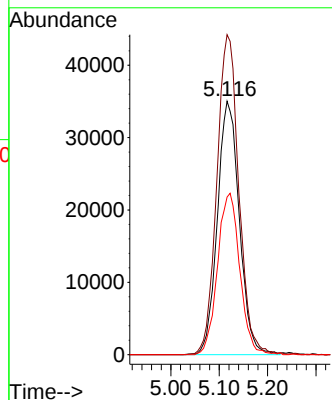
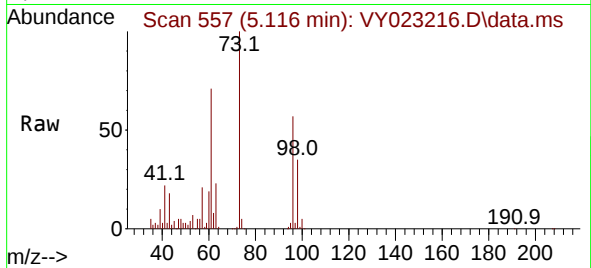




#21  
trans-1,2-Dichloroethene  
Concen: 20.465 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

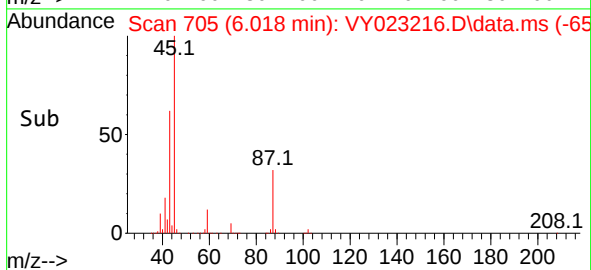
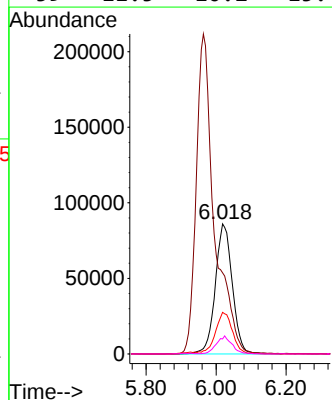
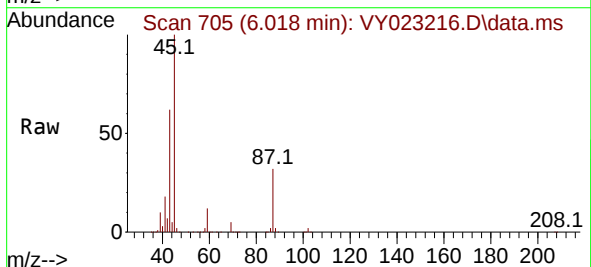
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 96 Resp: 110389  
Ion Ratio Lower Upper  
96 100  
61 126.3 104.8 157.2  
98 62.2 50.1 75.1



#22  
Diisopropyl ether  
Concen: 18.951 ug/l  
RT: 6.018 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 45 Resp: 290855  
Ion Ratio Lower Upper  
45 100  
43 62.1 43.4 65.0  
87 32.0 24.4 36.6  
59 11.5 10.2 15.4

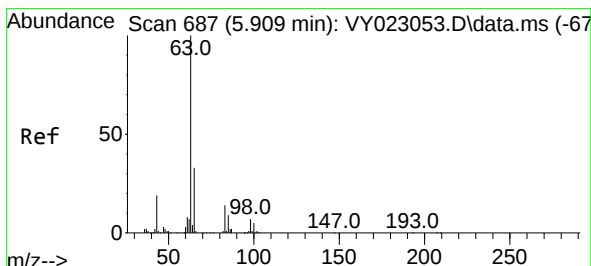
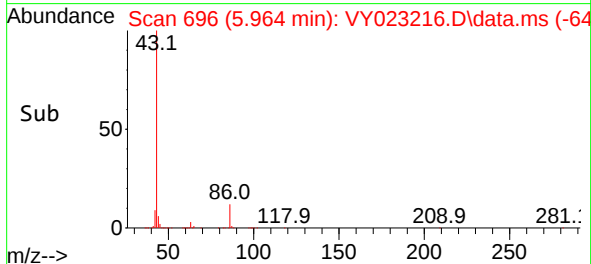
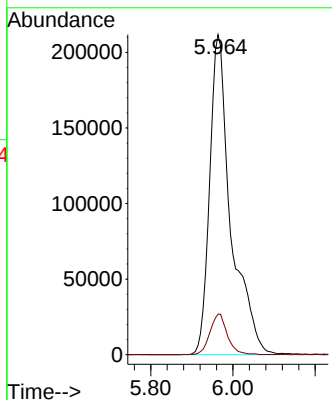
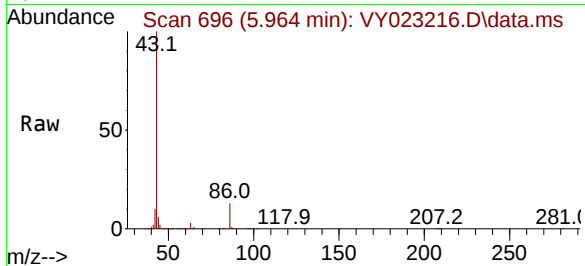




#23  
 Vinyl Acetate  
 Concen: 89.446 ug/l  
 RT: 5.964 min Scan# 694  
 Delta R.T. 0.012 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

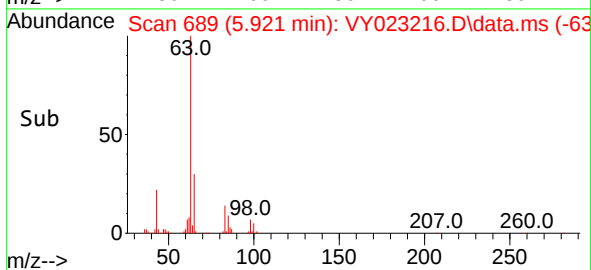
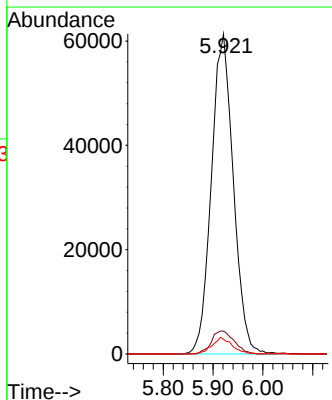
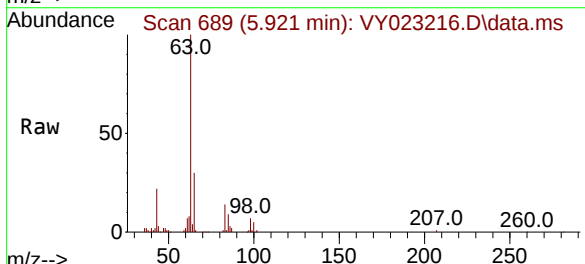
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

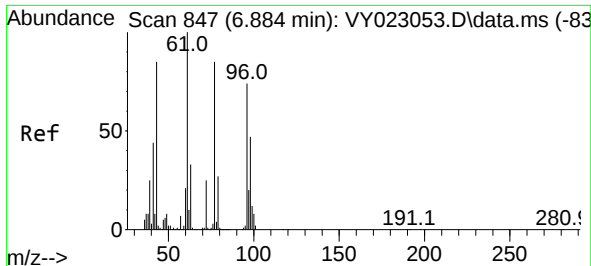
Tgt Ion: 43 Resp: 759068  
 Ion Ratio Lower Upper  
 43 100  
 86 12.6 9.6 14.4



#24  
 1,1-Dichloroethane  
 Concen: 20.014 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.012 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

Tgt Ion: 63 Resp: 187797  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.6  
 100 4.6 2.4 7.1

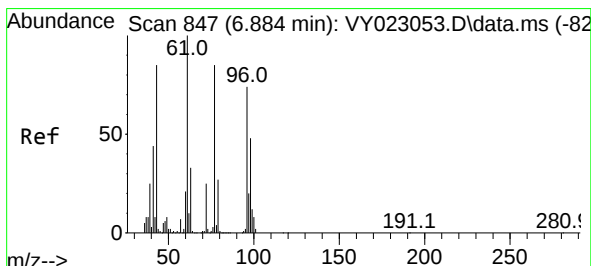
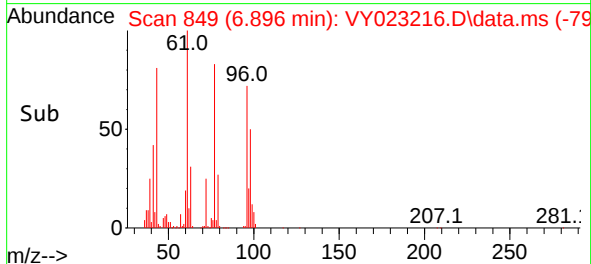
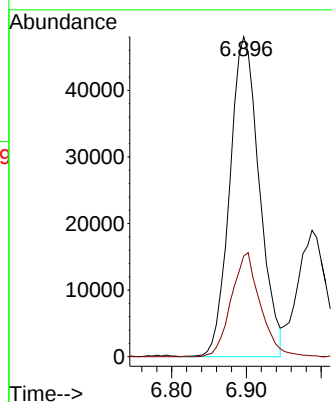
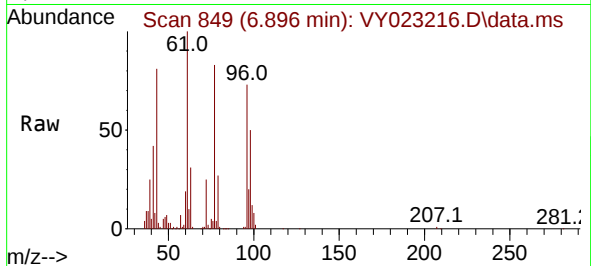




#25  
2-Butanone  
Concen: 94.667 ug/l  
RT: 6.896 min Scan# 847  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

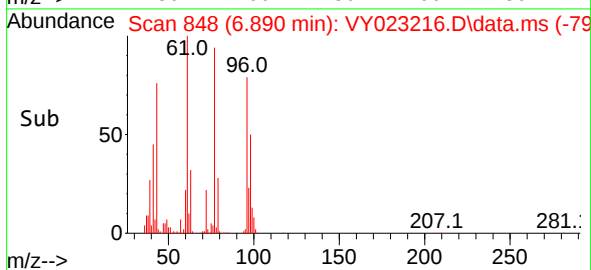
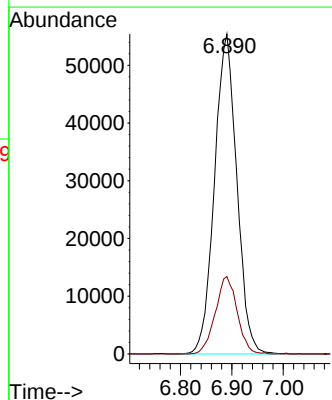
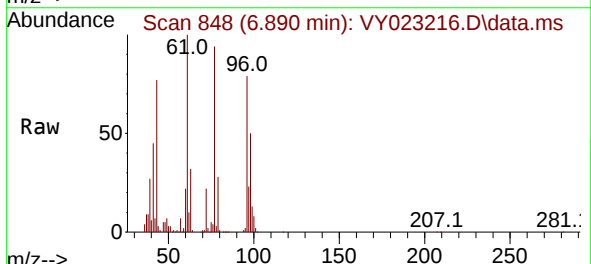
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

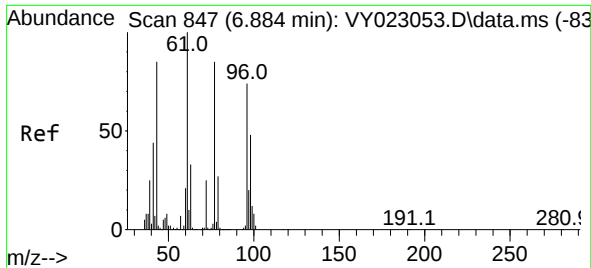
Tgt Ion: 43 Resp: 132415  
Ion Ratio Lower Upper  
43 100  
72 31.5 23.5 35.3



#26  
2,2-Dichloropropane  
Concen: 20.601 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 77 Resp: 166801  
Ion Ratio Lower Upper  
77 100  
97 23.7 11.6 34.8





#27

cis-1,2-Dichloroethene

Concen: 20.170 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

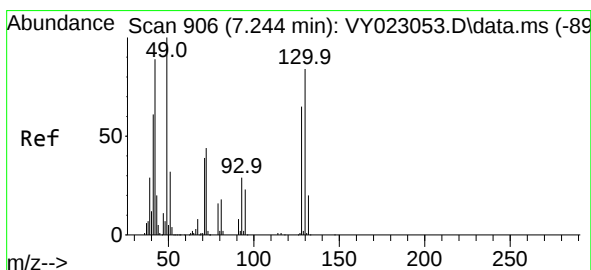
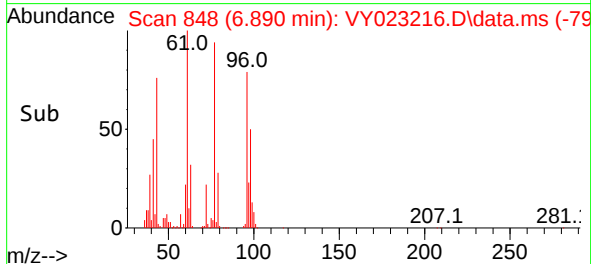
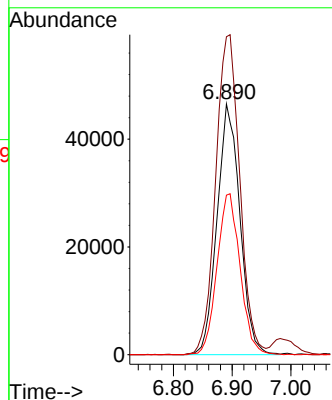
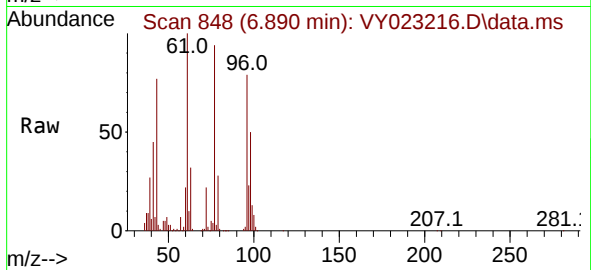
Tgt Ion: 96 Resp: 125779

Ion Ratio Lower Upper

96 100

61 134.4 0.0 278.6

98 64.8 0.0 130.4



#28

Bromochloromethane

Concen: 19.308 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

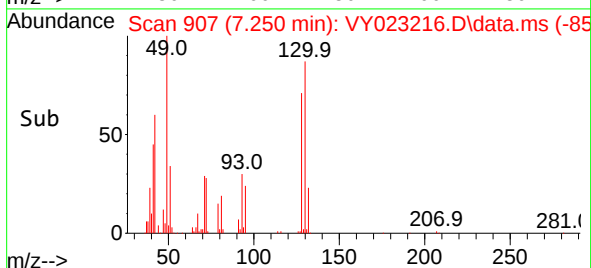
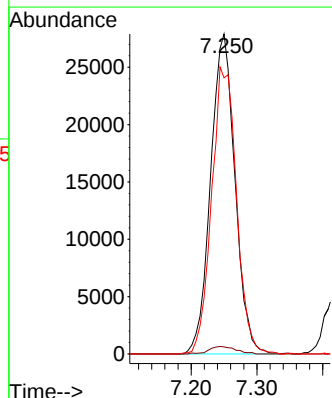
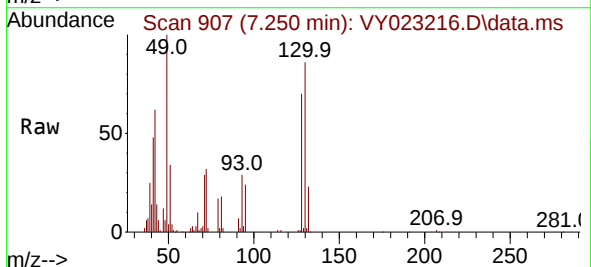
Tgt Ion: 49 Resp: 71877

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.2

130 91.4 66.4 99.6





#29

Tetrahydrofuran

Concen: 84.854 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

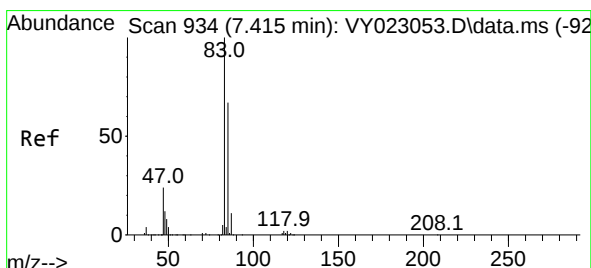
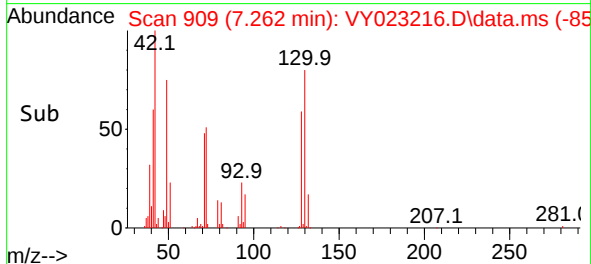
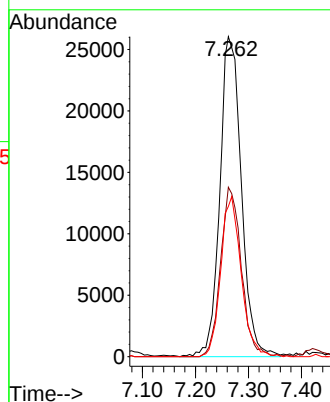
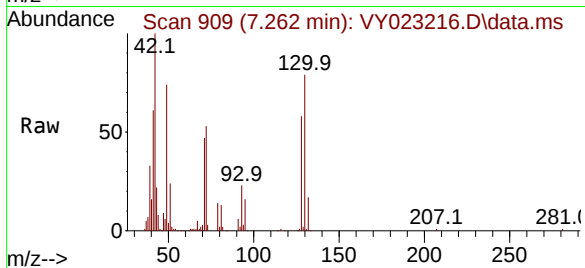
Tgt Ion: 42 Resp: 73570

Ion Ratio Lower Upper

42 100

72 50.9 39.4 59.2

71 47.5 36.5 54.7



#30

Chloroform

Concen: 20.889 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY023216.D

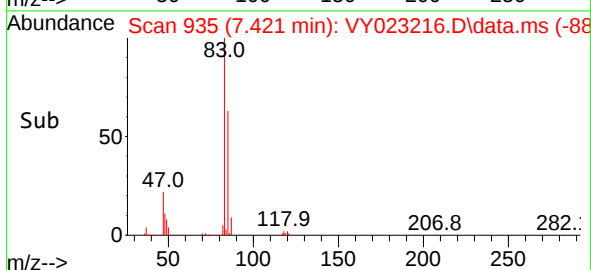
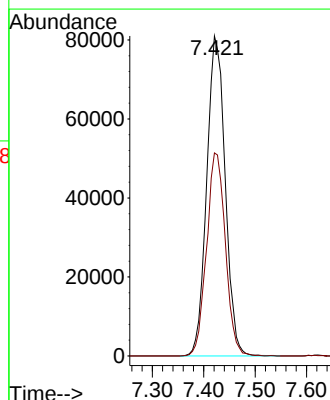
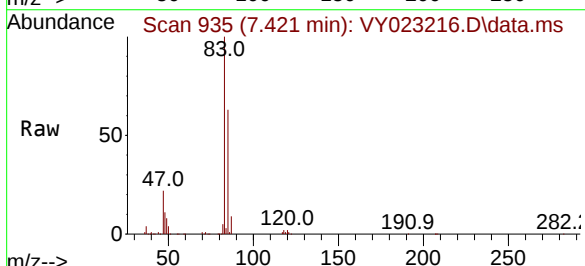
Acq: 28 Aug 2025 10:58

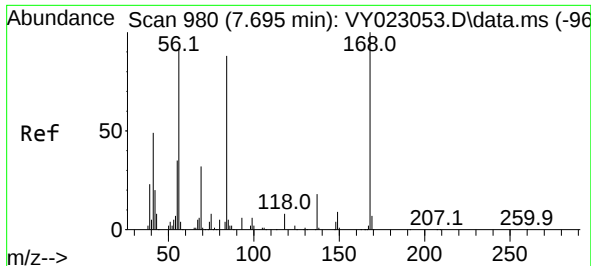
Tgt Ion: 83 Resp: 202146

Ion Ratio Lower Upper

83 100

85 63.4 53.8 80.8

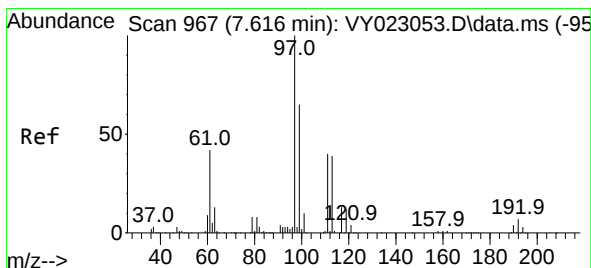
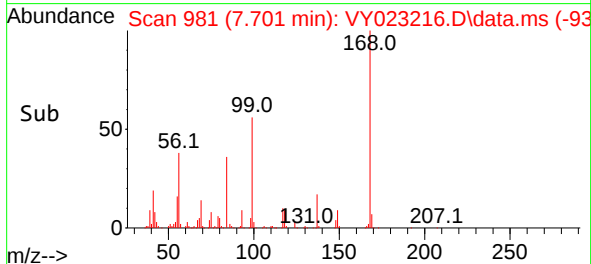
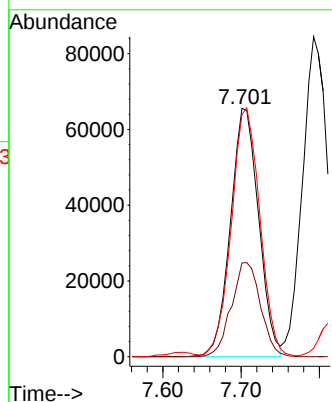
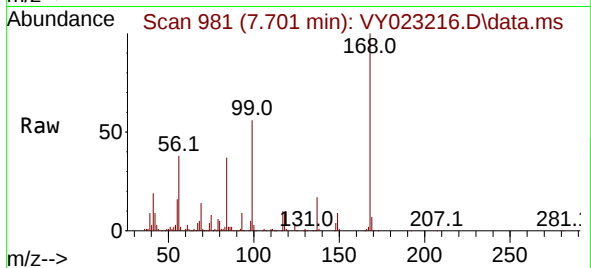




#31  
Cyclohexane  
Concen: 18.541 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

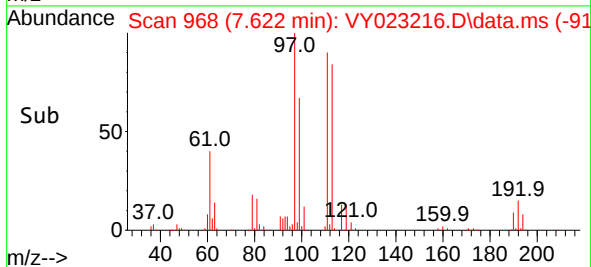
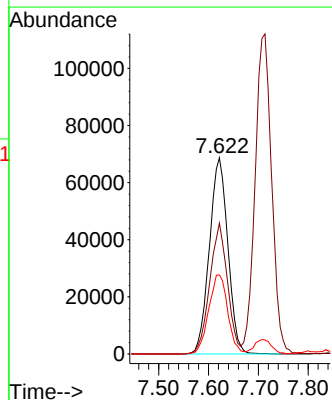
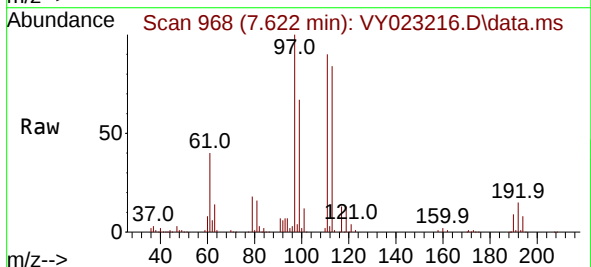
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 56 Resp: 163947  
Ion Ratio Lower Upper  
56 100  
69 37.8 28.2 42.2  
84 95.7 76.6 114.8



#32  
1,1,1-Trichloroethane  
Concen: 20.567 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 97 Resp: 176604  
Ion Ratio Lower Upper  
97 100  
99 64.1 51.6 77.4  
61 41.4 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 44.552 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

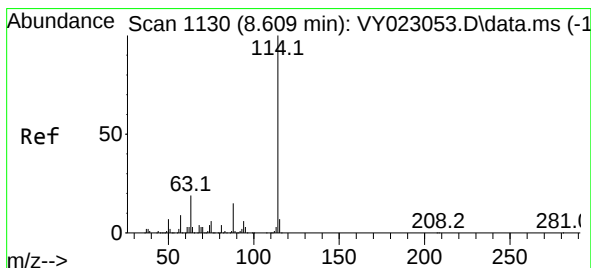
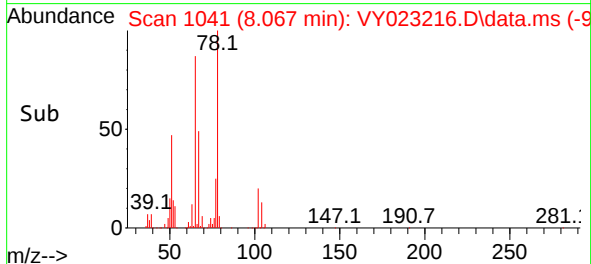
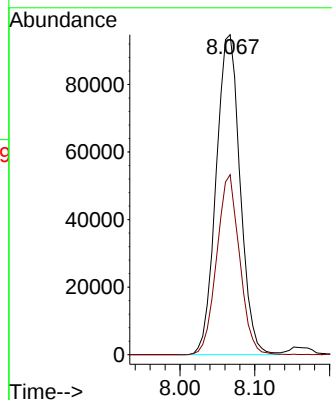
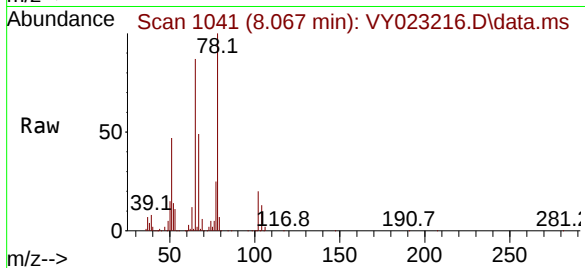
VY0828SBS01

Tgt Ion: 65 Resp: 211496

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

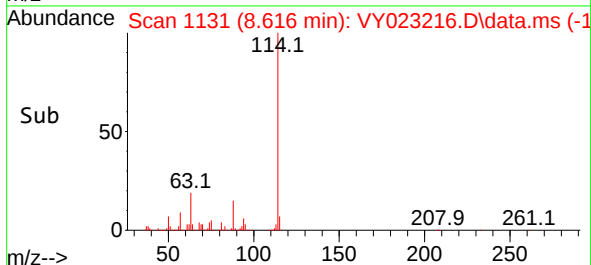
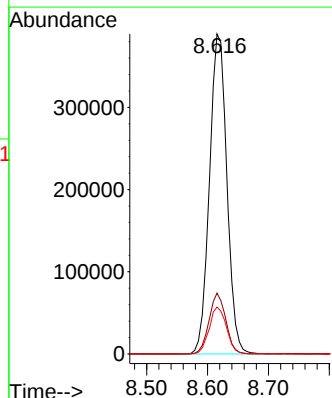
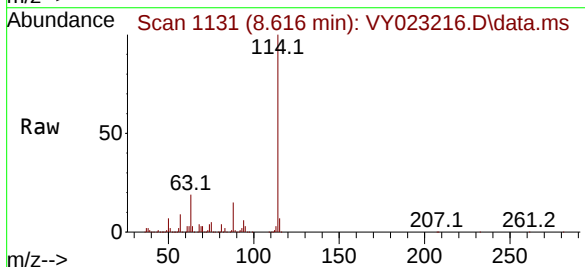
Tgt Ion: 114 Resp: 773362

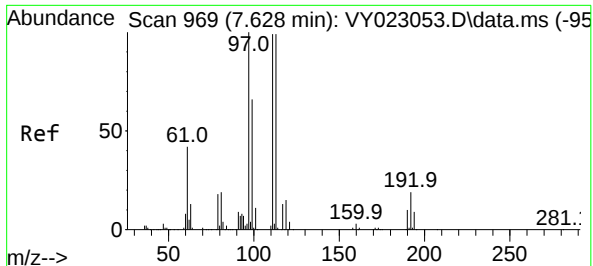
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.4

88 14.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.602 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

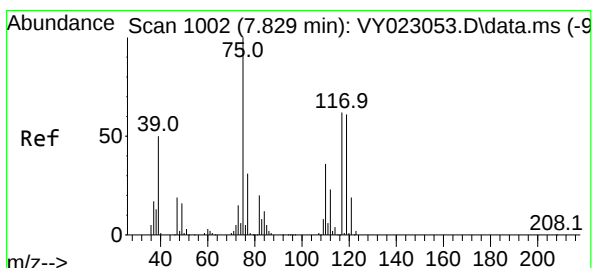
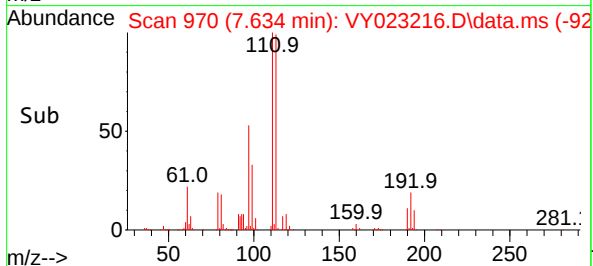
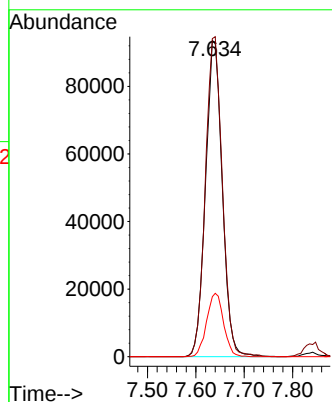
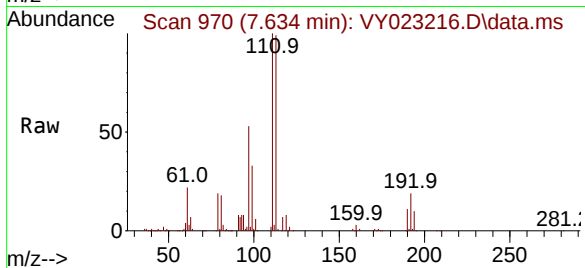
Tgt Ion:113 Resp: 224907

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 20.3 16.2 24.4



#36

1,1-Dichloropropene

Concen: 20.343 ug/l

RT: 7.841 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

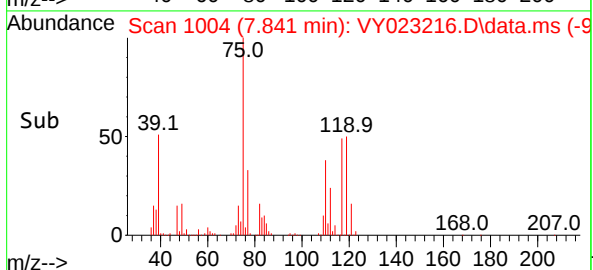
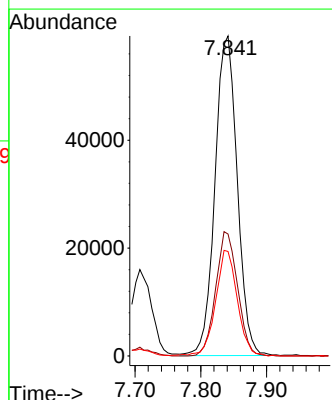
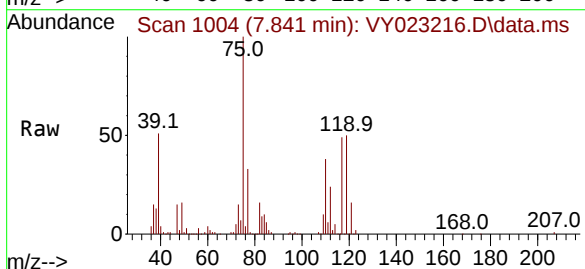
Tgt Ion: 75 Resp: 139904

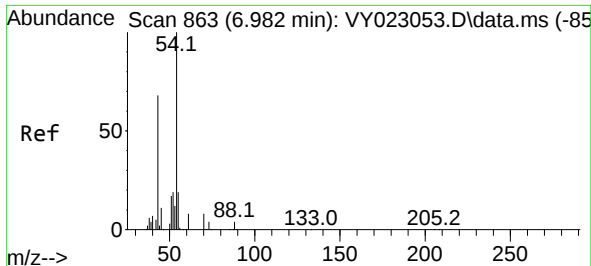
Ion Ratio Lower Upper

75 100

110 38.1 18.1 54.4

77 32.3 24.6 37.0





#37

Ethyl Acetate

Concen: 18.194 ug/l

RT: 6.988 min Scan# 80

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

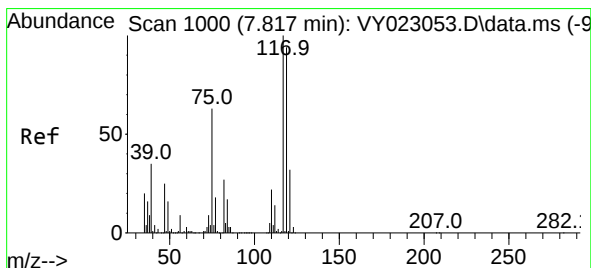
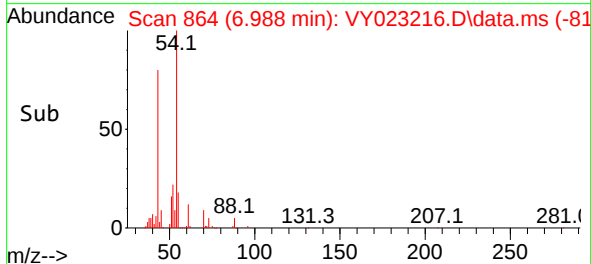
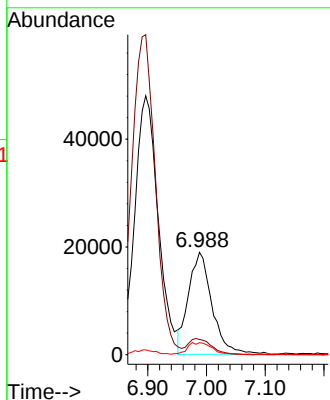
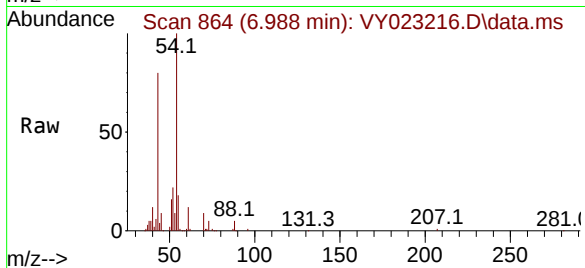
Tgt Ion: 43 Resp: 52562

Ion Ratio Lower Upper

43 100

61 16.0 11.9 17.9

70 12.6 8.8 13.2



#38

Carbon Tetrachloride

Concen: 21.145 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

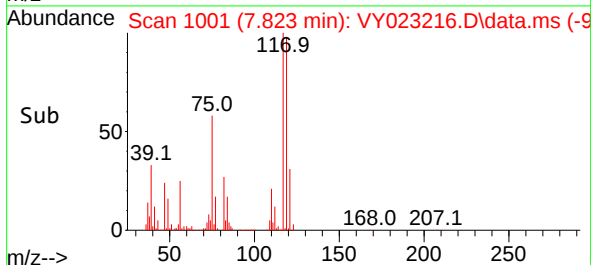
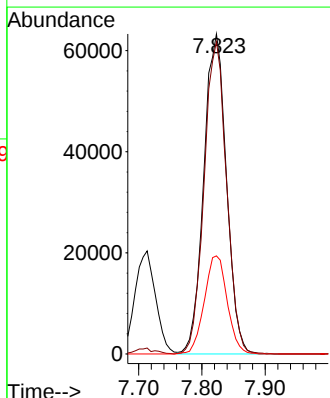
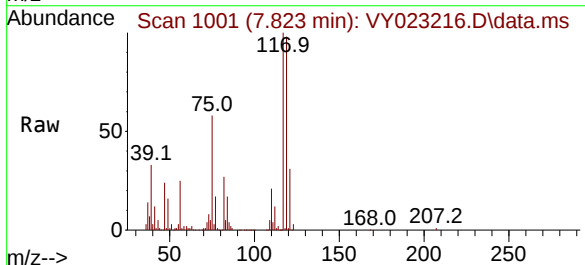
Tgt Ion: 117 Resp: 157947

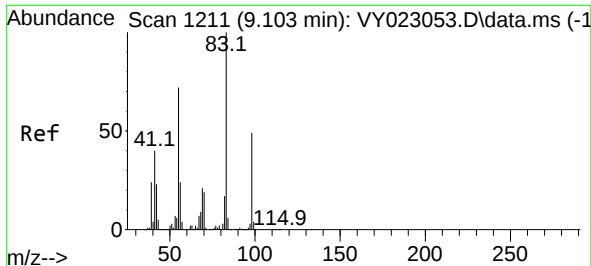
Ion Ratio Lower Upper

117 100

119 97.5 75.6 113.4

121 30.7 25.8 38.8





#39

Methylcyclohexane

Concen: 20.140 ug/l

RT: 9.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

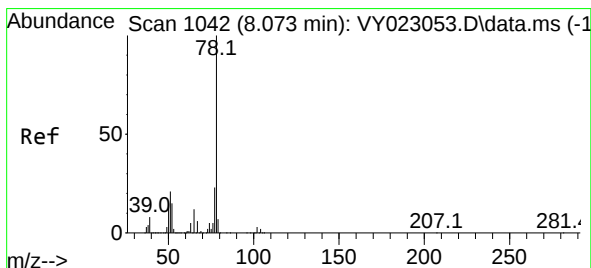
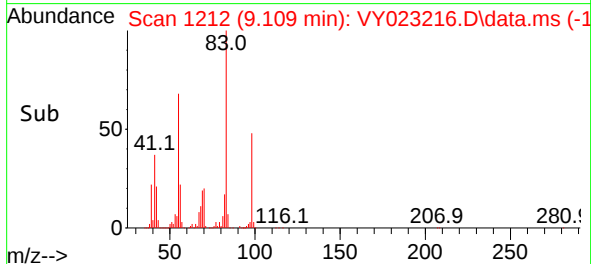
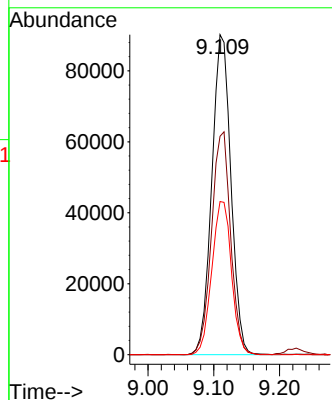
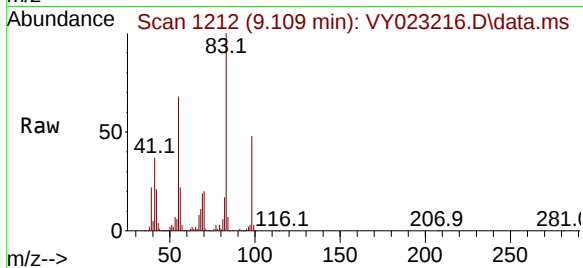
Tgt Ion: 83 Resp: 182393

Ion Ratio Lower Upper

83 100

55 68.2 57.6 86.4

98 47.9 39.2 58.8



#40

Benzene

Concen: 20.792 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.012 min

Lab File: VY023216.D

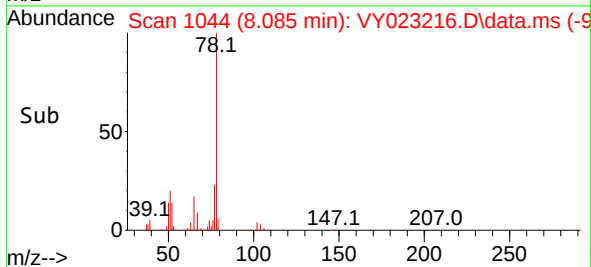
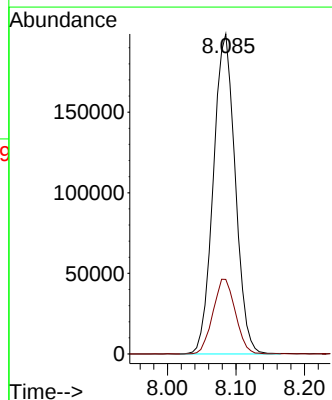
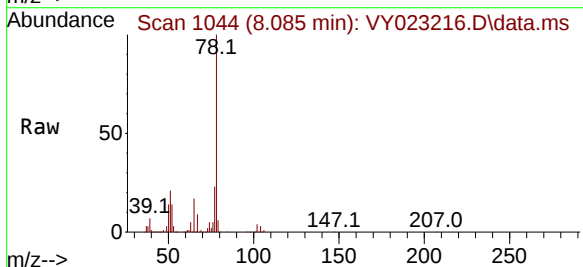
Acq: 28 Aug 2025 10:58

Tgt Ion: 78 Resp: 440711

Ion Ratio Lower Upper

78 100

77 23.3 18.6 28.0



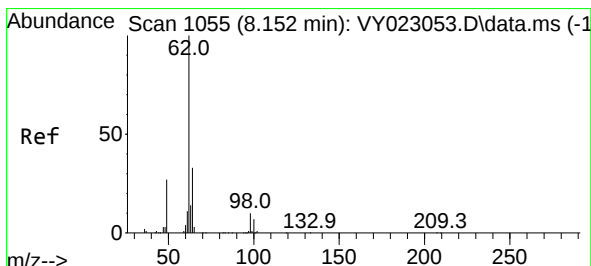
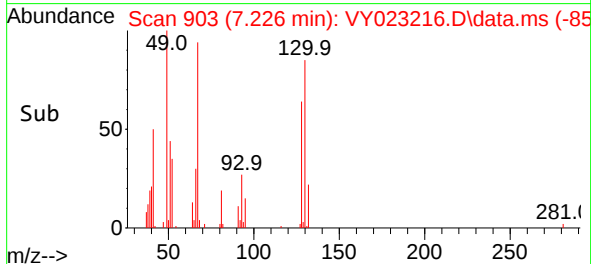
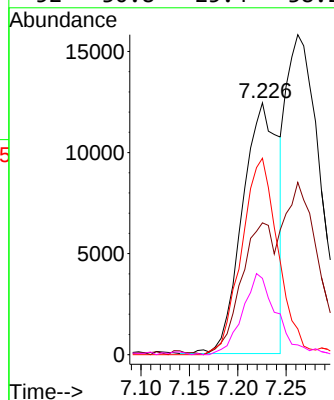
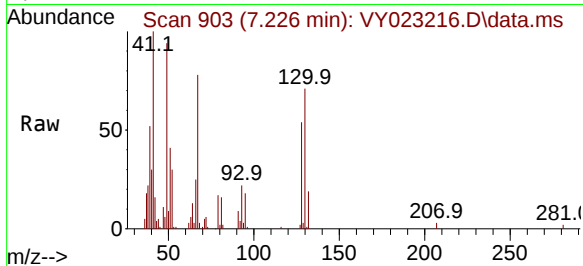


#41  
Methacrylonitrile  
Concen: 19.176 ug/l  
RT: 7.226 min Scan# 902  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 41 Resp: 31972

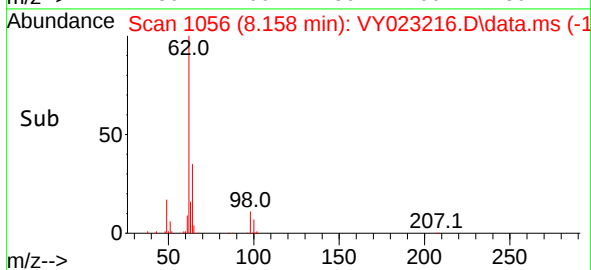
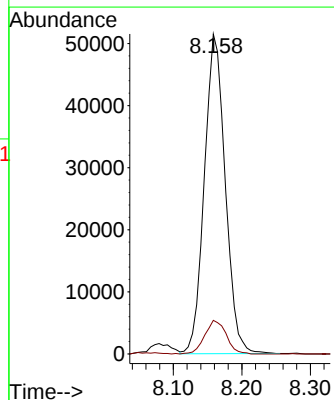
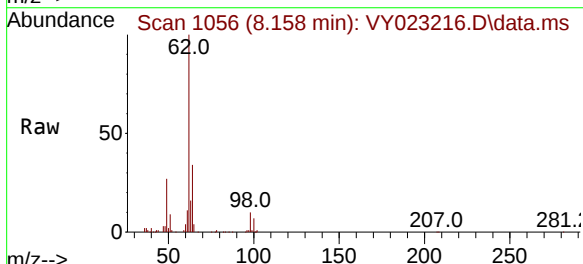
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 47.5  | 43.4  | 65.2  |
| 67  | 79.6  | 63.6  | 95.4  |
| 52  | 30.8  | 25.4  | 38.2  |



#42  
1,2-Dichloroethane  
Concen: 19.838 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 62 Resp: 109363

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.8  | 0.0   | 20.6  |

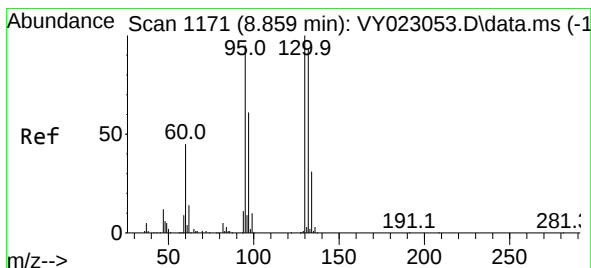
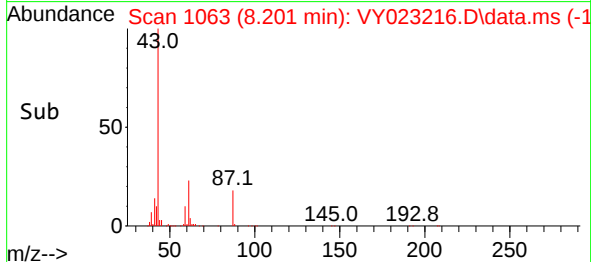
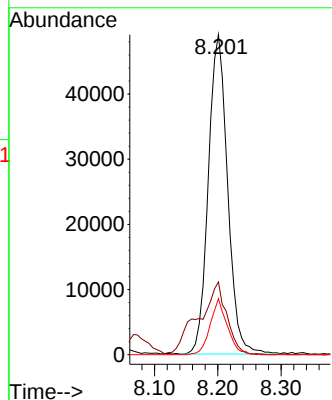
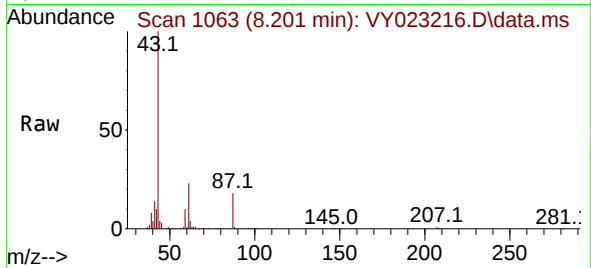




#43  
Isopropyl Acetate  
Concen: 17.810 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

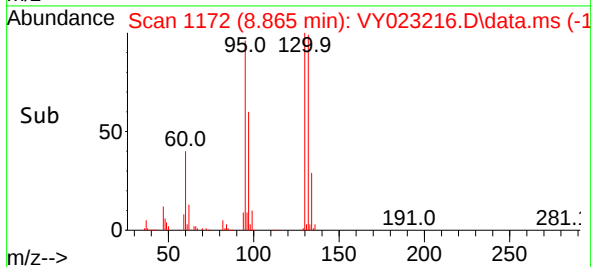
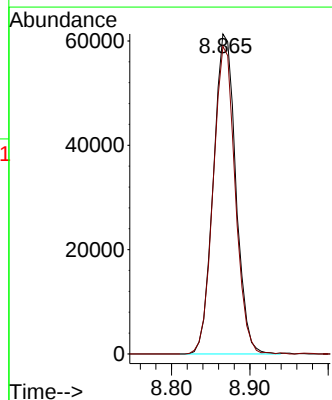
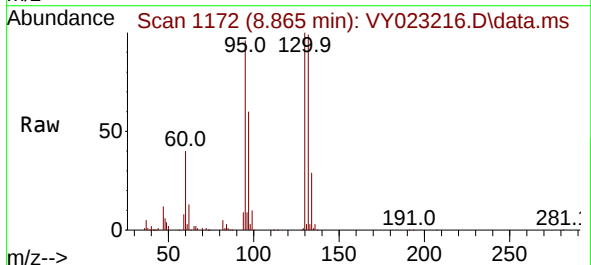
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 43 Resp: 103991  
Ion Ratio Lower Upper  
43 100  
61 33.2 16.4 24.6#  
87 15.6 11.8 17.6



#44  
Trichloroethene  
Concen: 22.262 ug/l  
RT: 8.865 min Scan# 1172  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion:130 Resp: 121943  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 190.2





#45

1,2-Dichloropropane

Concen: 20.281 ug/l

RT: 9.146 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

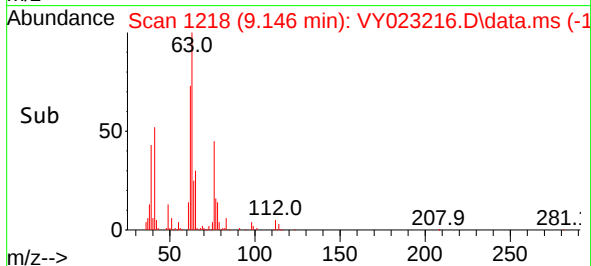
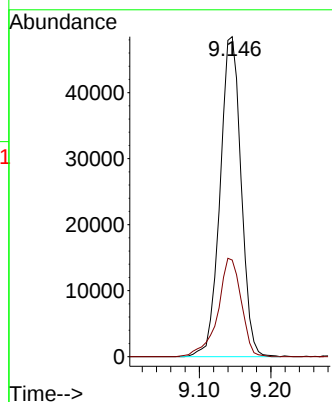
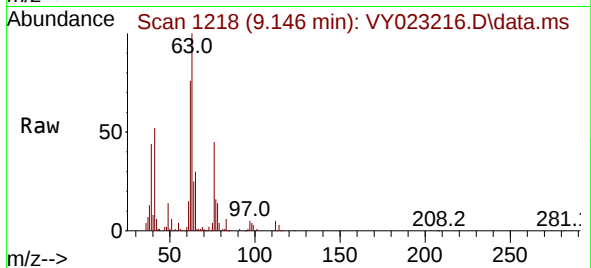
VY0828SBS01

Tgt Ion: 63 Resp: 98914

Ion Ratio Lower Upper

63 100

65 30.2 25.3 37.9



#46

Dibromomethane

Concen: 20.269 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

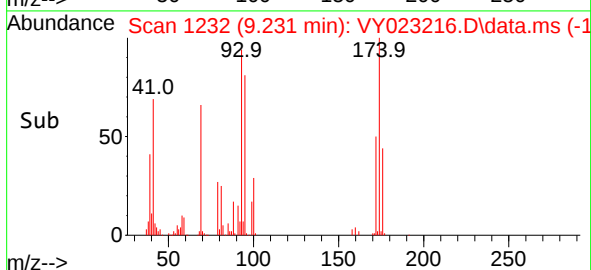
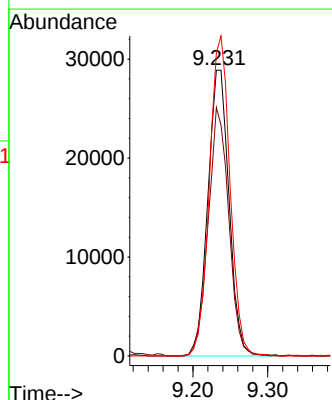
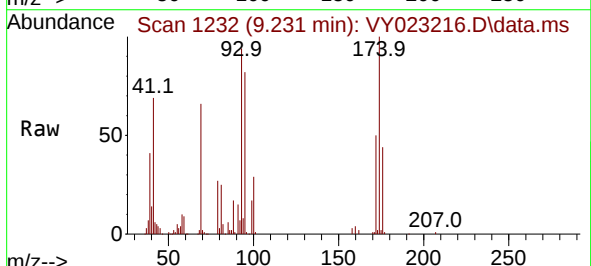
Tgt Ion: 93 Resp: 56739

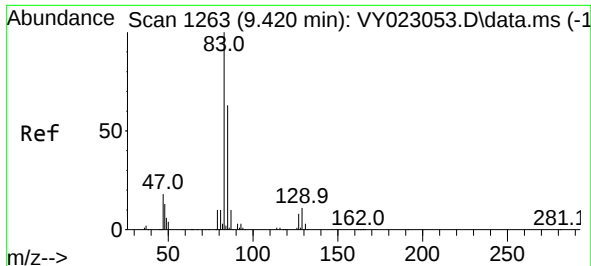
Ion Ratio Lower Upper

93 100

95 84.3 66.5 99.7

174 109.1 81.8 122.8

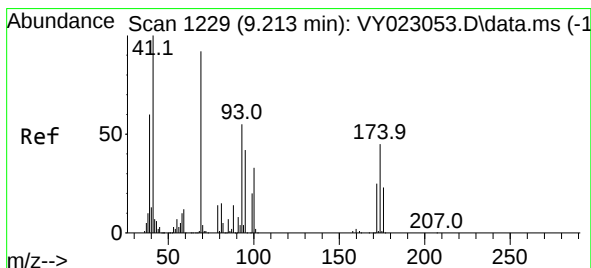
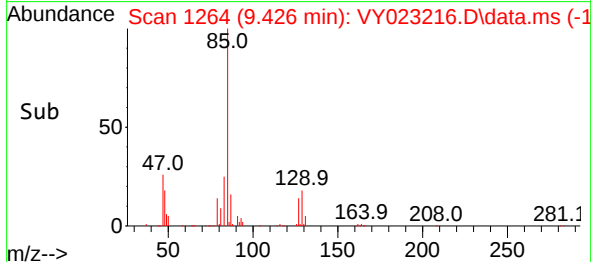
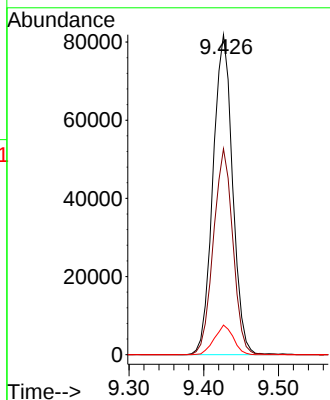
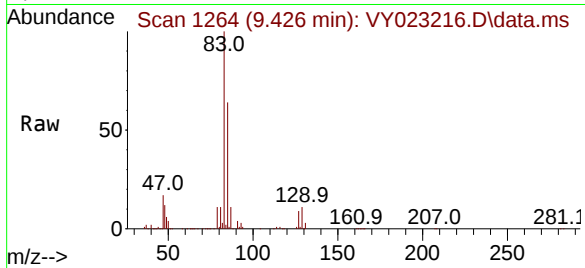




#47  
 Bromodichloromethane  
 Concen: 20.705 ug/l  
 RT: 9.426 min Scan# 1263  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

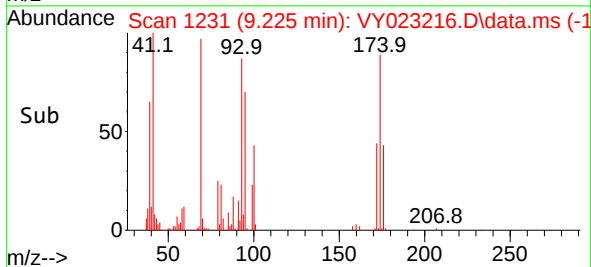
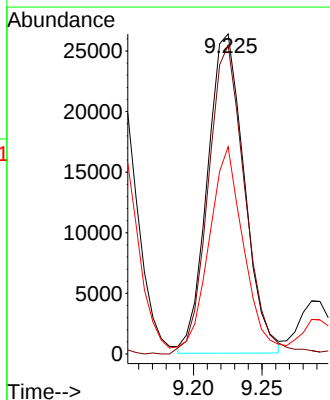
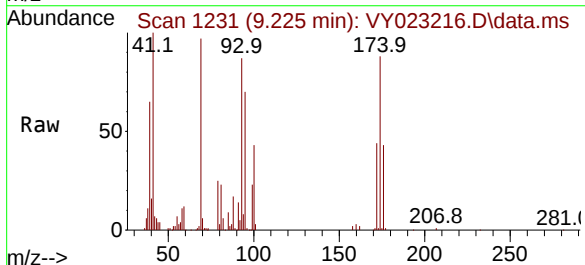
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

Tgt Ion: 83 Resp: 149137  
 Ion Ratio Lower Upper  
 83 100  
 85 64.4 50.2 75.4  
 127 9.3 6.6 10.0



#48  
 Methyl methacrylate  
 Concen: 17.640 ug/l  
 RT: 9.225 min Scan# 1231  
 Delta R.T. 0.012 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

Tgt Ion: 41 Resp: 49287  
 Ion Ratio Lower Upper  
 41 100  
 69 97.0 73.2 109.8  
 39 60.4 47.0 70.4

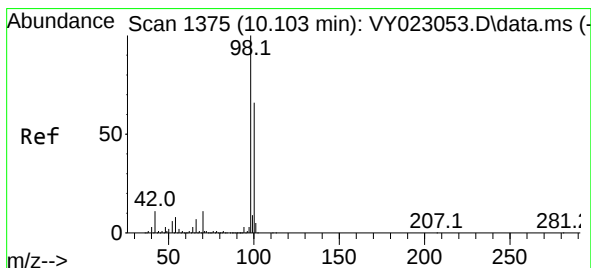
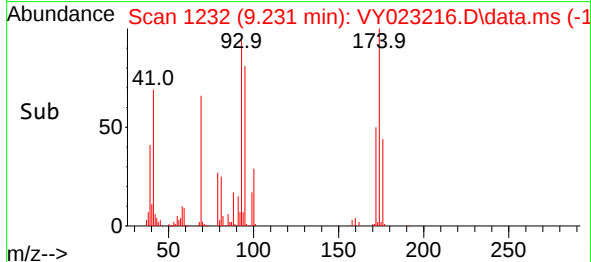
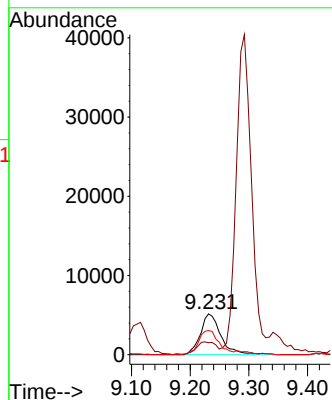
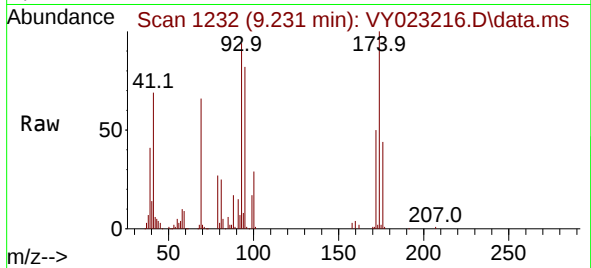




#49  
1,4-Dioxane  
Concen: 381.748 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

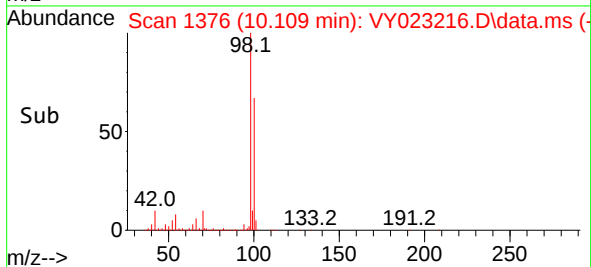
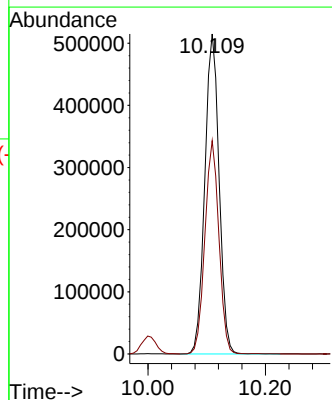
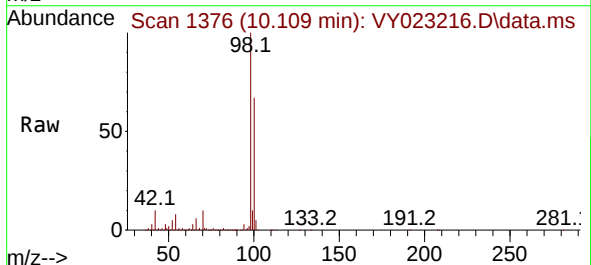
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

Tgt Ion: 88 Resp: 12530  
Ion Ratio Lower Upper  
88 100  
43 30.7 24.3 36.5  
58 58.5 55.4 83.0



#50  
Toluene-d8  
Concen: 48.131 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 98 Resp: 870100  
Ion Ratio Lower Upper  
98 100  
100 65.3 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 86.904 ug/l

RT: 9.999 min Scan# 1357

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

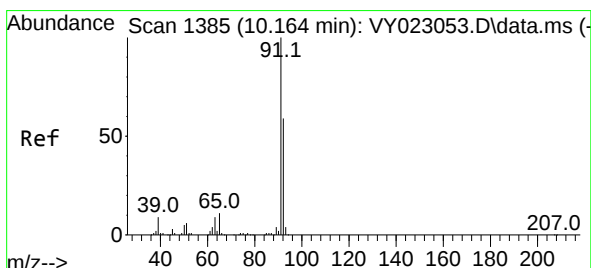
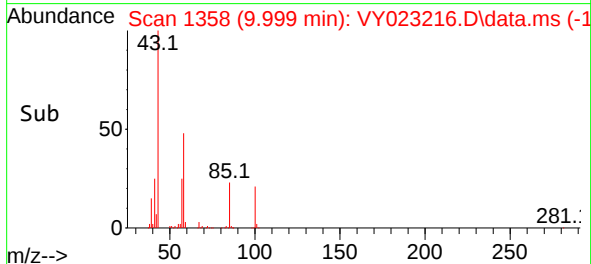
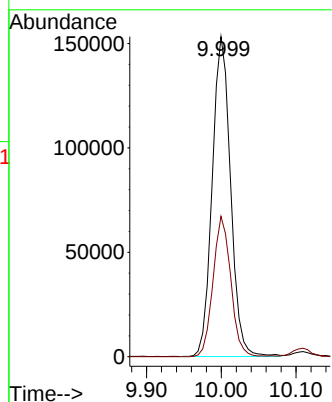
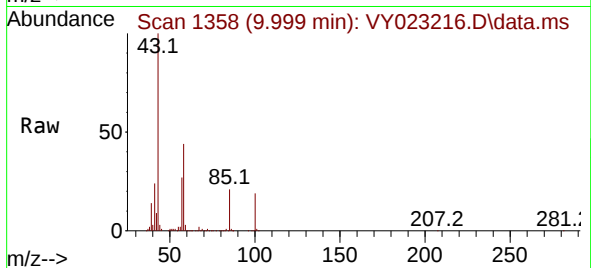
VY0828SBS01

Tgt Ion: 43 Resp: 261747

Ion Ratio Lower Upper

43 100

58 42.4 33.5 50.3



#52

Toluene

Concen: 21.032 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.006 min

Lab File: VY023216.D

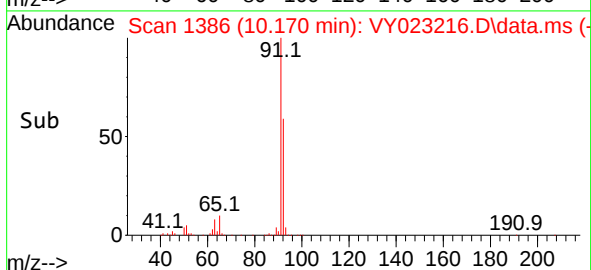
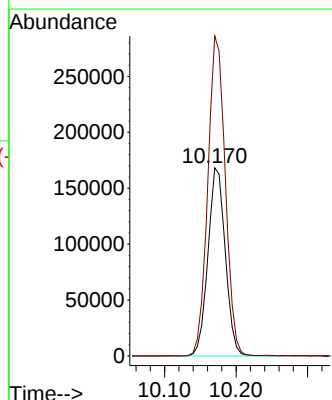
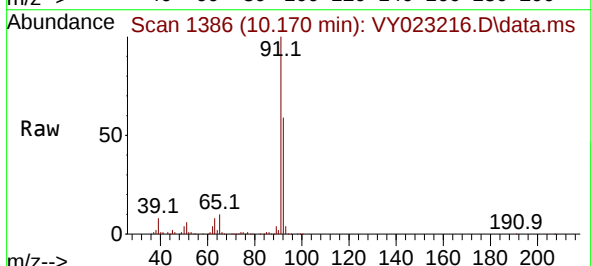
Acq: 28 Aug 2025 10:58

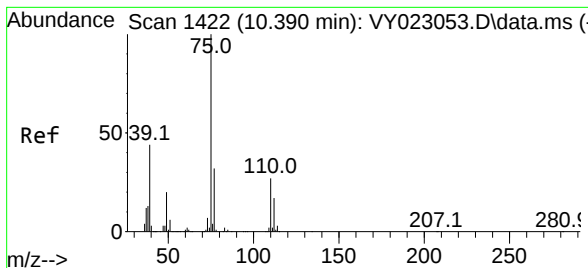
Tgt Ion: 92 Resp: 283148

Ion Ratio Lower Upper

92 100

91 171.8 136.4 204.6

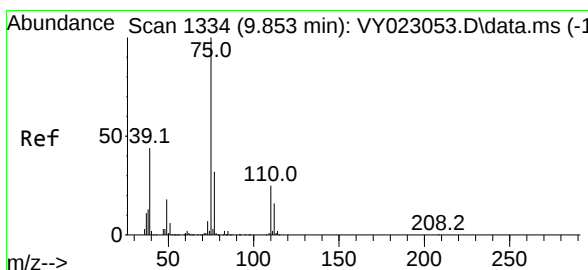
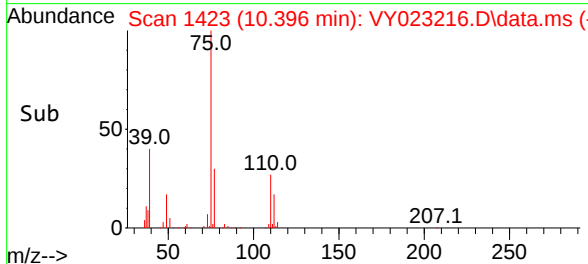
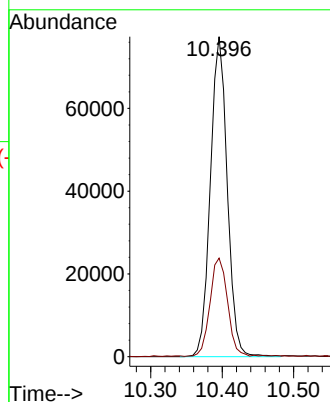
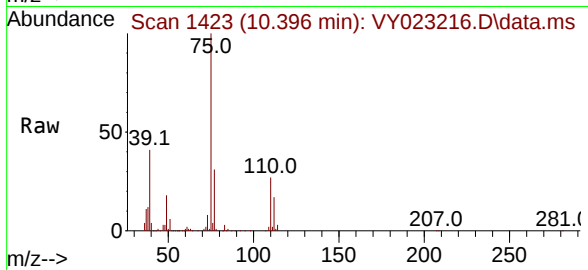




#53  
 t-1,3-Dichloropropene  
 Concen: 19.445 ug/l  
 RT: 10.396 min Scan# 1422  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

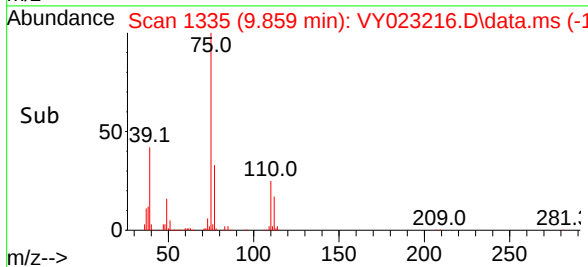
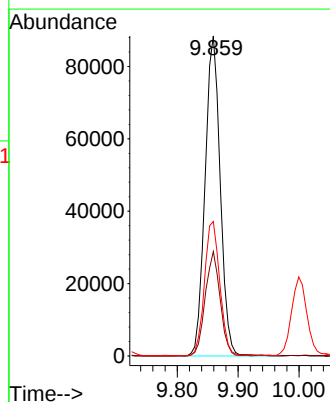
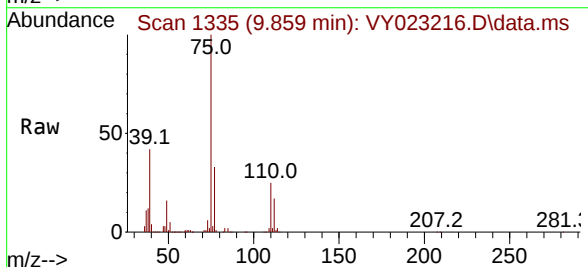
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

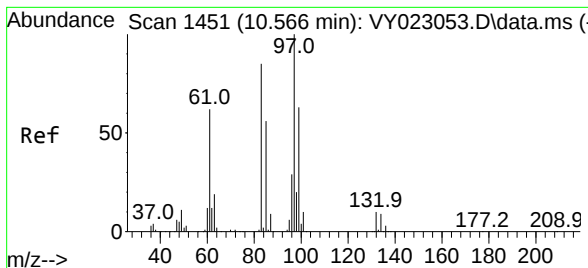
Tgt Ion: 75 Resp: 126830  
 Ion Ratio Lower Upper  
 75 100  
 77 30.6 25.7 38.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.927 ug/l  
 RT: 9.859 min Scan# 1335  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

Tgt Ion: 75 Resp: 153698  
 Ion Ratio Lower Upper  
 75 100  
 77 32.6 25.4 38.0  
 39 41.9 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 21.110 ug/l

RT: 10.573 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

Tgt Ion: 97 Resp: 79072

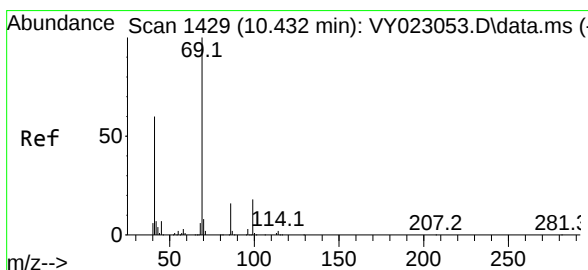
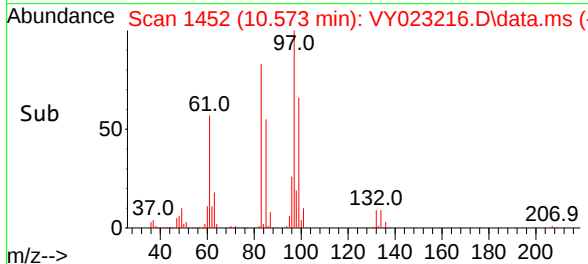
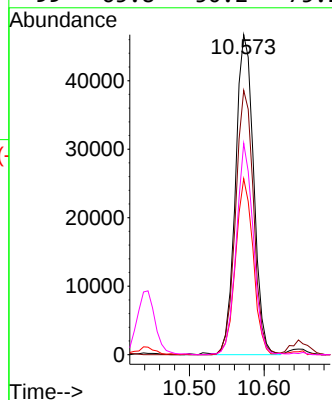
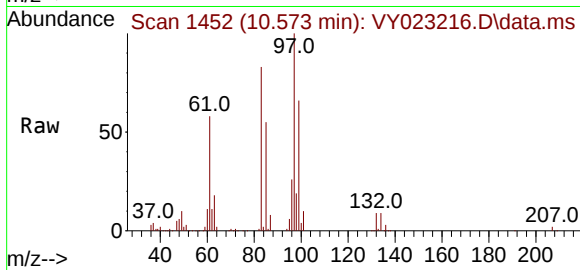
Ion Ratio Lower Upper

97 100

83 82.6 67.7 101.5

85 55.0 44.5 66.7

99 65.8 50.2 75.2



#56

Ethyl methacrylate

Concen: 17.956 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

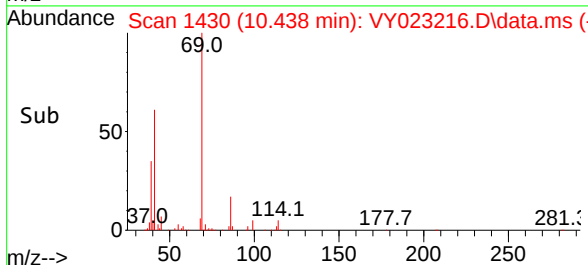
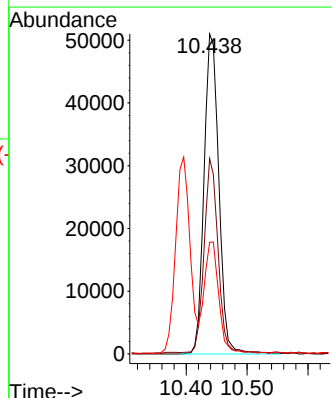
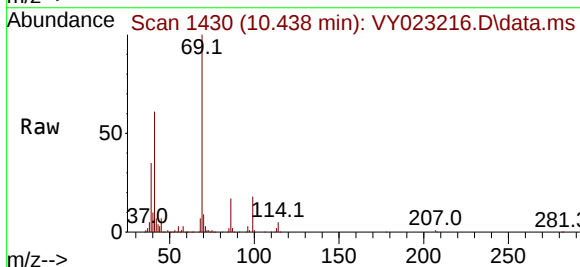
Tgt Ion: 69 Resp: 86063

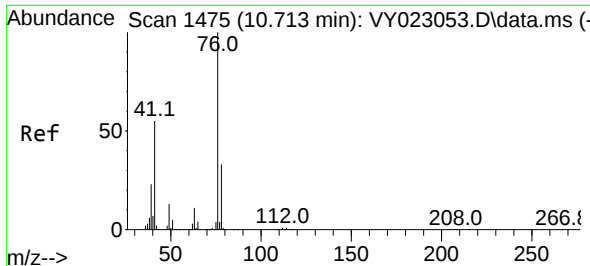
Ion Ratio Lower Upper

69 100

41 56.3 48.6 72.8

39 33.9 27.0 40.4





#57

1,3-Dichloropropane

Concen: 20.102 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

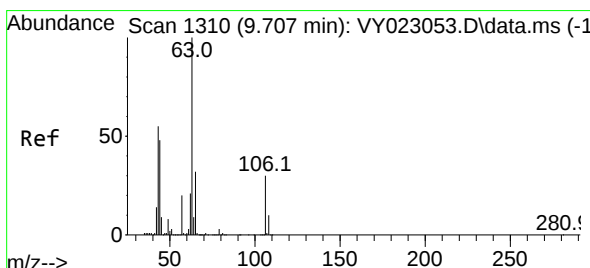
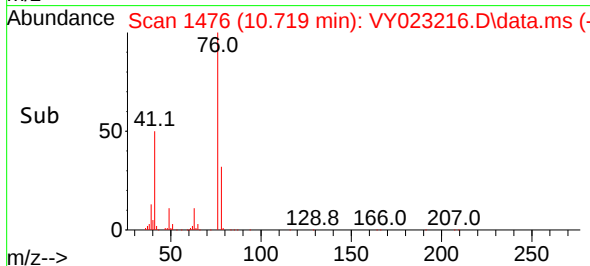
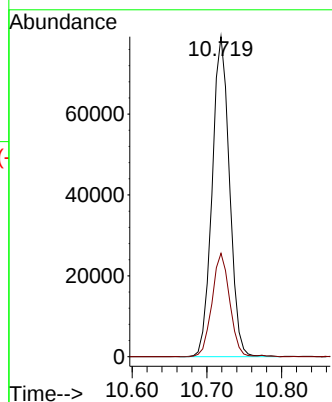
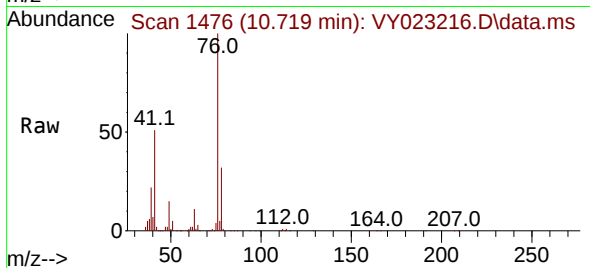
VY0828SBS01

Tgt Ion: 76 Resp: 127696

Ion Ratio Lower Upper

76 100

78 32.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 83.442 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.006 min

Lab File: VY023216.D

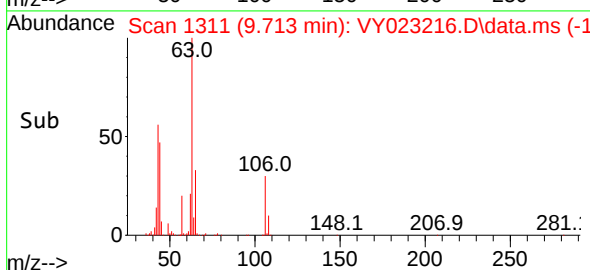
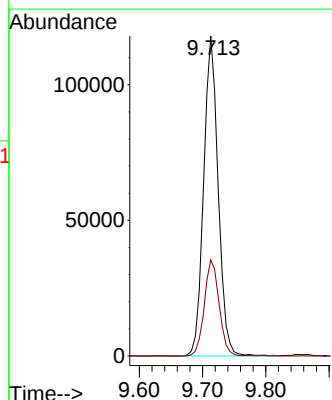
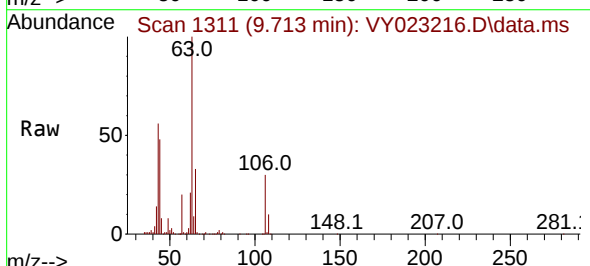
Acq: 28 Aug 2025 10:58

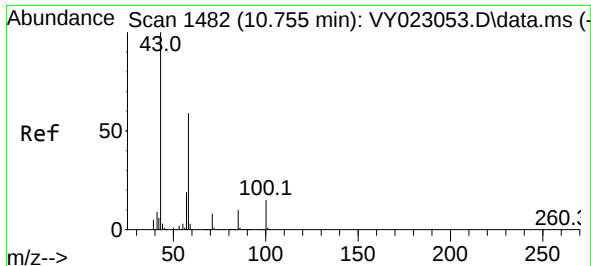
Tgt Ion: 63 Resp: 188653

Ion Ratio Lower Upper

63 100

106 30.5 23.2 34.8

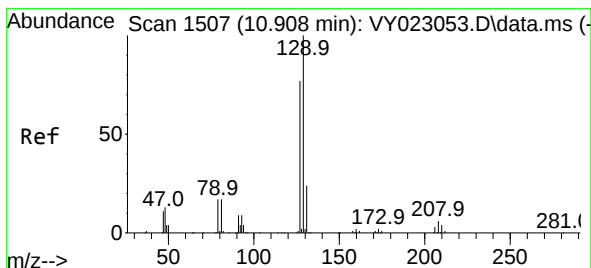
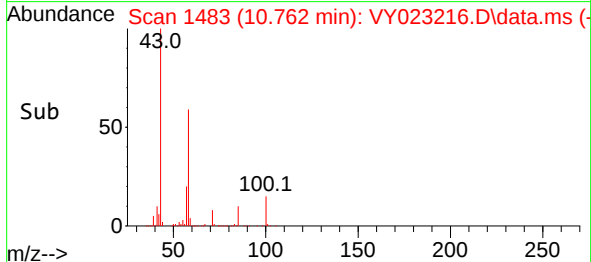
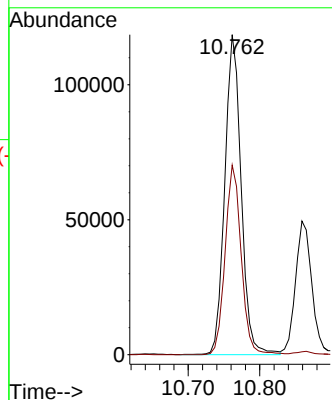
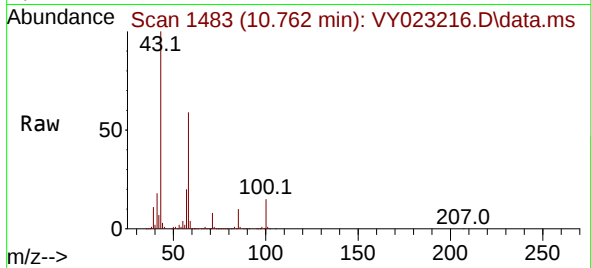




#59  
2-Hexanone  
Concen: 91.868 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

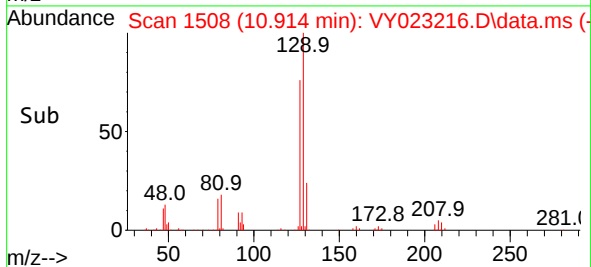
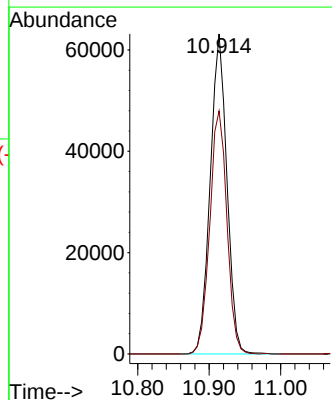
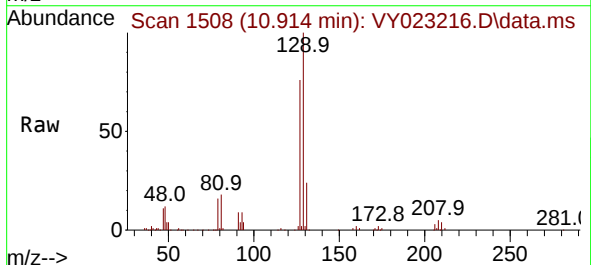
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

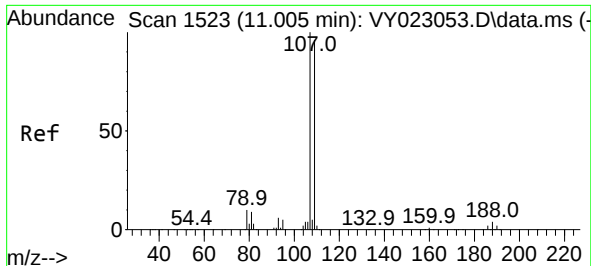
Tgt Ion: 43 Resp: 188411  
Ion Ratio Lower Upper  
43 100  
58 58.3 29.5 88.5



#60  
Dibromochloromethane  
Concen: 20.709 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 129 Resp: 102355  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.5 115.5

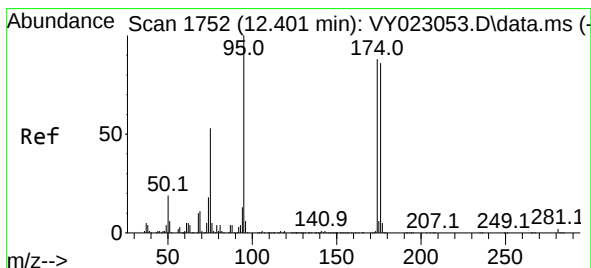
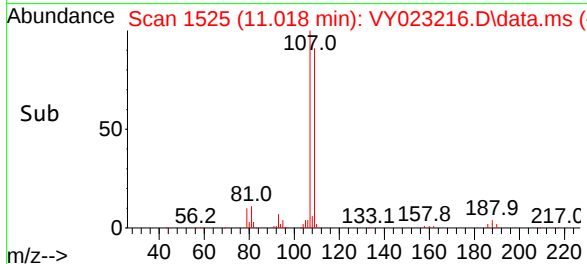
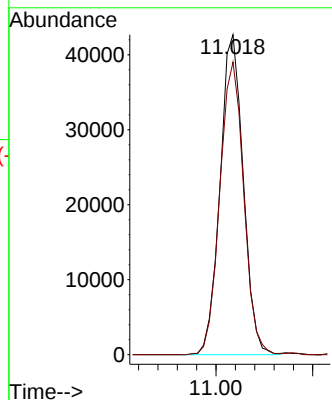
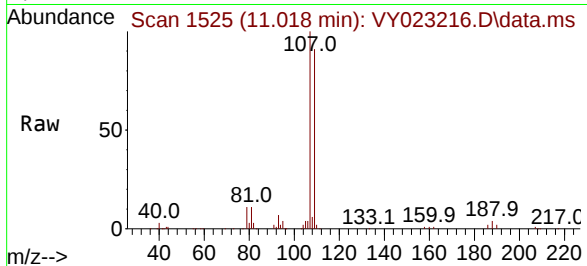




#61  
1,2-Dibromoethane  
Concen: 20.160 ug/l  
RT: 11.018 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

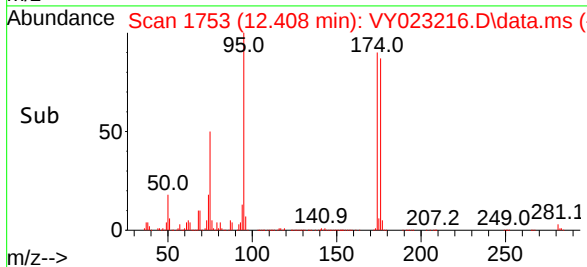
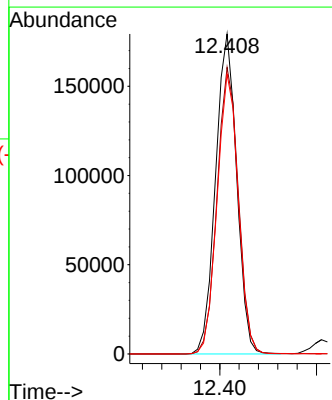
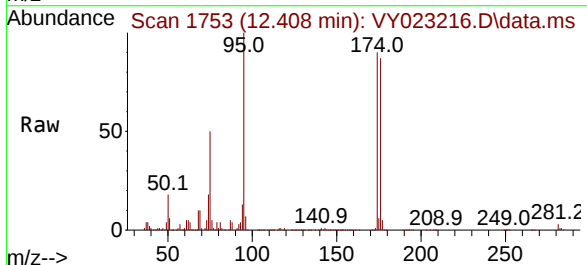
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

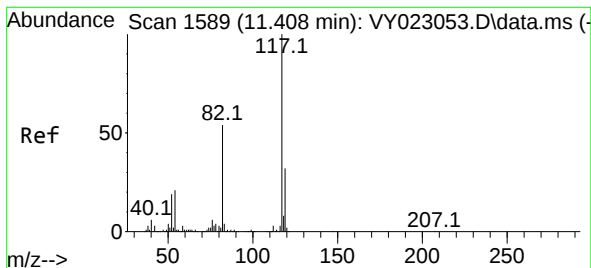
Tgt Ion:107 Resp: 70975  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 46.739 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 95 Resp: 271734  
Ion Ratio Lower Upper  
95 100  
174 90.3 0.0 171.6  
176 87.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

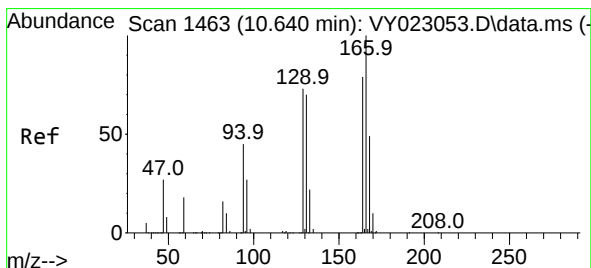
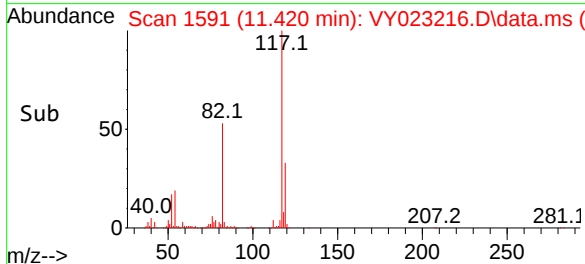
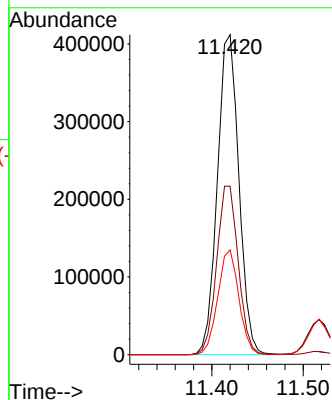
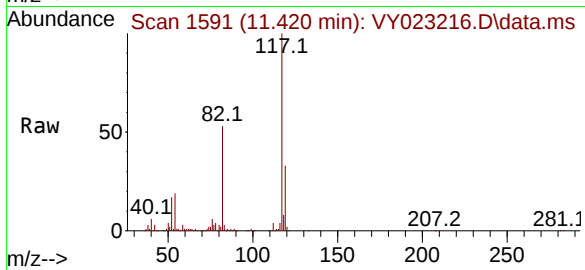
Tgt Ion:117 Resp: 674652

Ion Ratio Lower Upper

117 100

82 52.7 43.4 65.0

119 32.8 25.6 38.4



#64

Tetrachloroethene

Concen: 24.735 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Tgt Ion:164 Resp: 149009

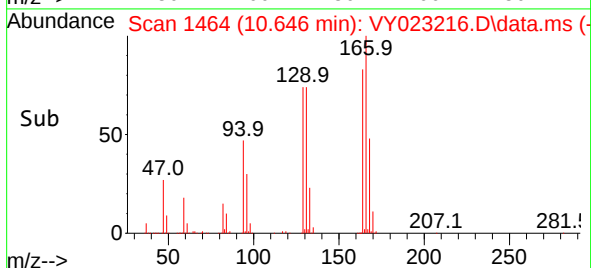
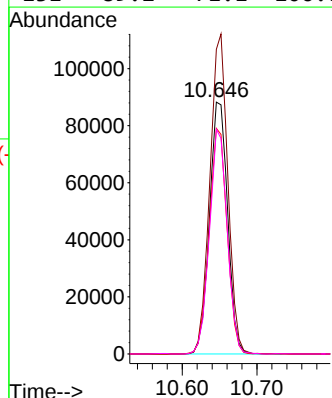
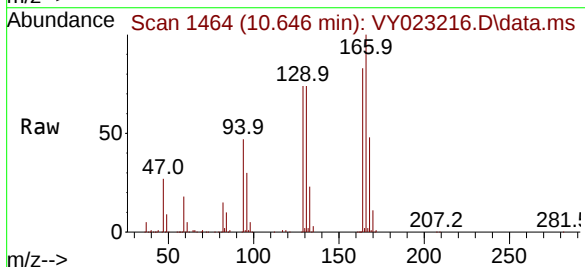
Ion Ratio Lower Upper

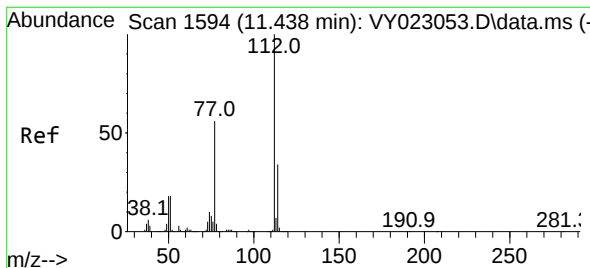
164 100

166 120.9 101.1 151.7

129 89.5 74.0 111.0

131 89.2 71.1 106.7





#65

Chlorobenzene

Concen: 21.131 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

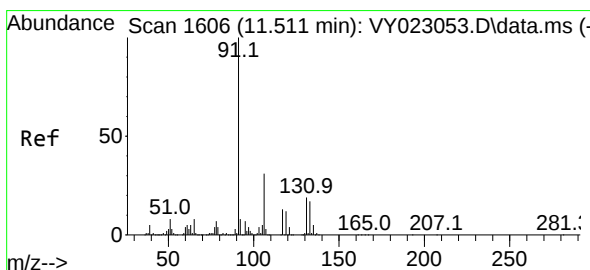
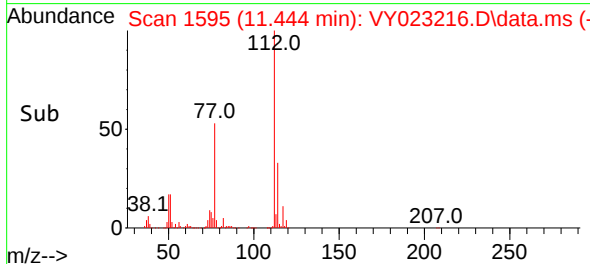
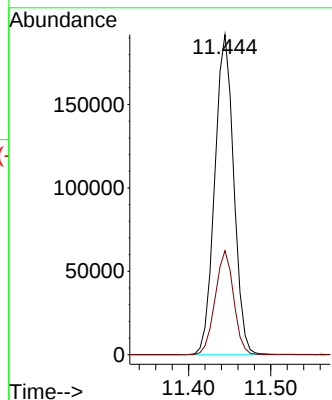
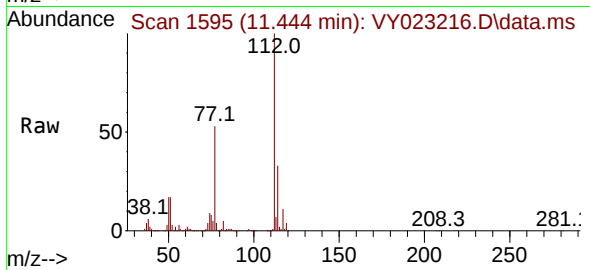
VY0828SBS01

Tgt Ion:112 Resp: 307503

Ion Ratio Lower Upper

112 100

114 32.5 27.0 40.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.226 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

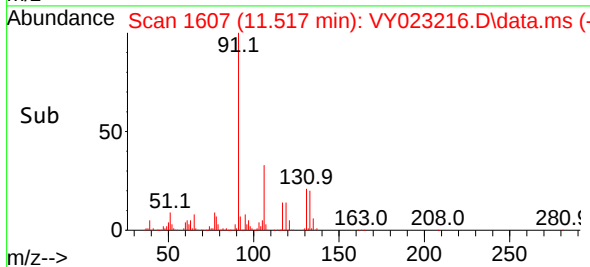
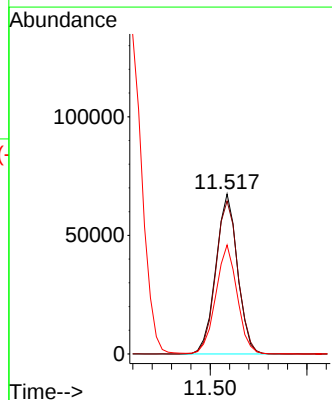
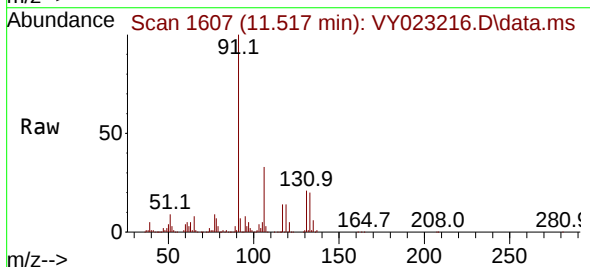
Tgt Ion:131 Resp: 104833

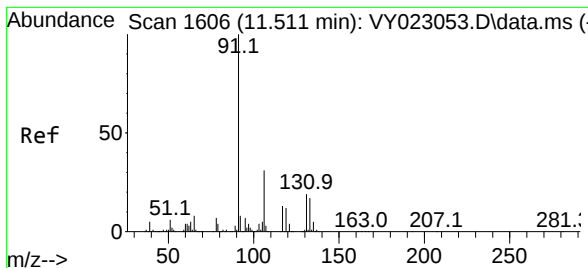
Ion Ratio Lower Upper

131 100

133 97.9 46.9 140.6

119 67.4 33.2 99.6

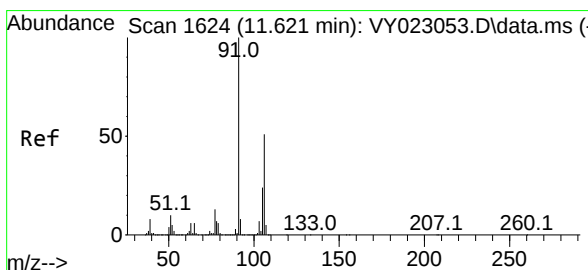
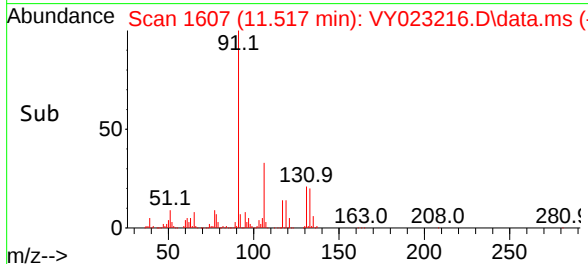
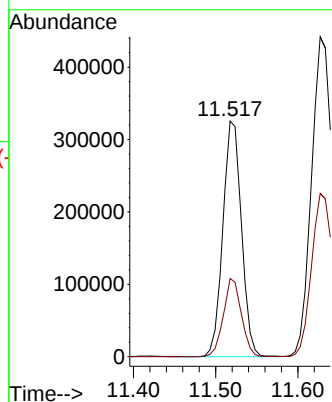
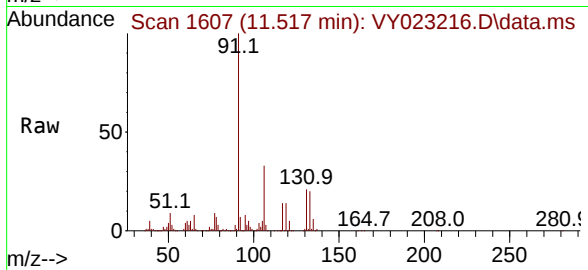




#67  
Ethyl Benzene  
Concen: 20.423 ug/l  
RT: 11.517 min Scan# 1607  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

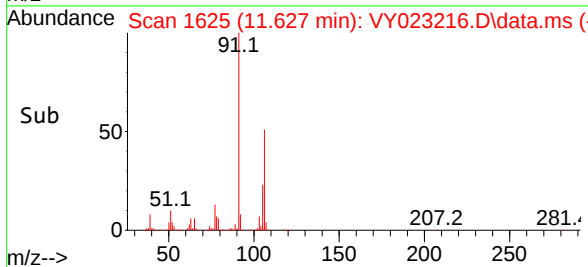
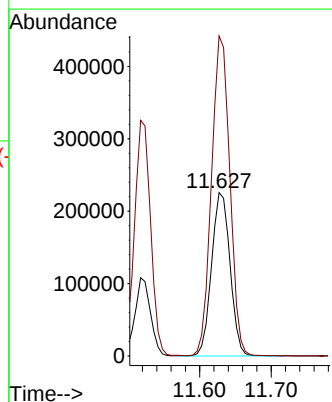
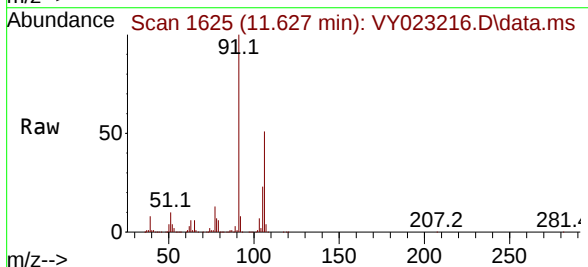
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

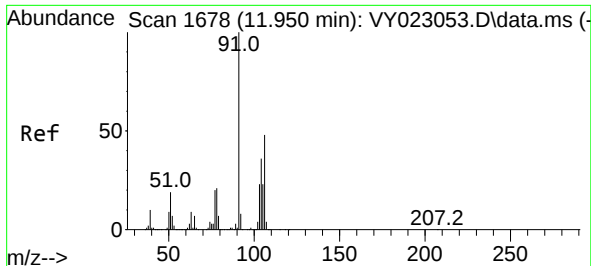
Tgt Ion: 91 Resp: 511453  
Ion Ratio Lower Upper  
91 100  
106 33.2 25.0 37.4



#68  
m/p-Xylenes  
Concen: 41.363 ug/l  
RT: 11.627 min Scan# 1625  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion:106 Resp: 404563  
Ion Ratio Lower Upper  
106 100  
91 194.7 158.6 238.0

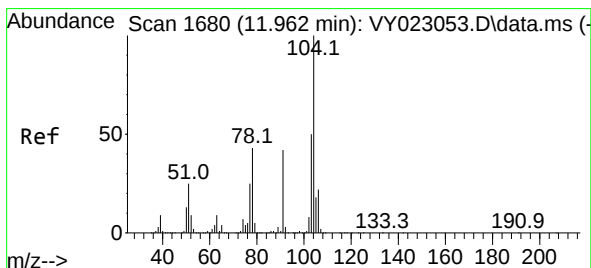
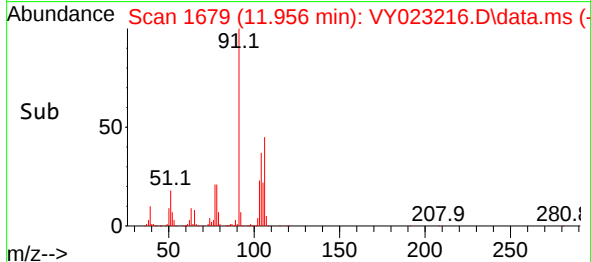
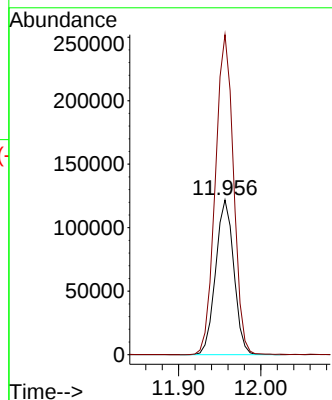
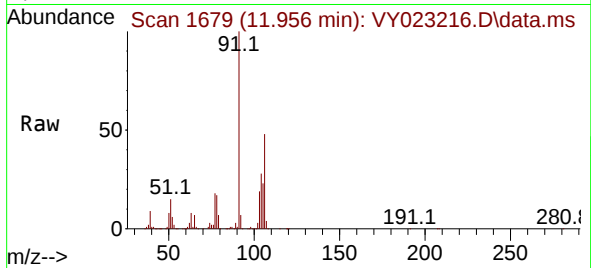




#69  
o-Xylene  
Concen: 20.477 ug/l  
RT: 11.956 min Scan# 1678  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

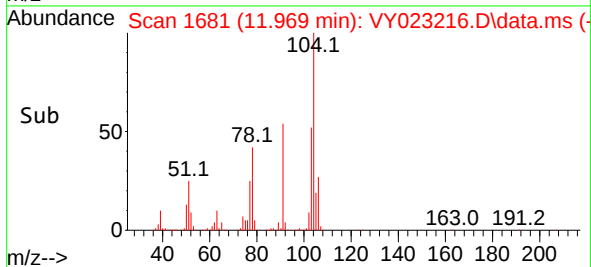
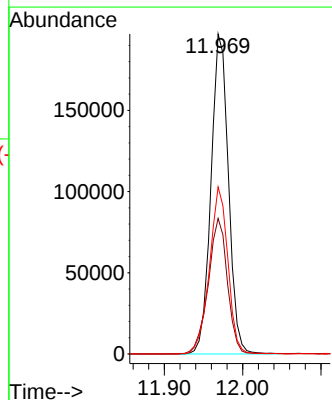
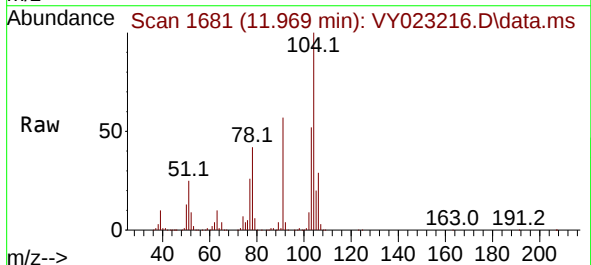
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

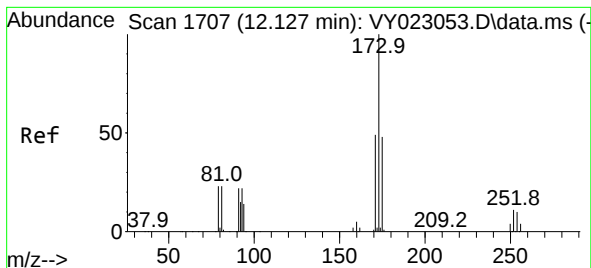
Tgt Ion:106 Resp: 187580  
Ion Ratio Lower Upper  
106 100  
91 207.0 103.2 309.4



#70  
Styrene  
Concen: 20.363 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion:104 Resp: 305060  
Ion Ratio Lower Upper  
104 100  
78 46.5 38.5 57.7  
103 55.1 43.7 65.5





#71

Bromoform

Concen: 20.388 ug/l

RT: 12.133 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

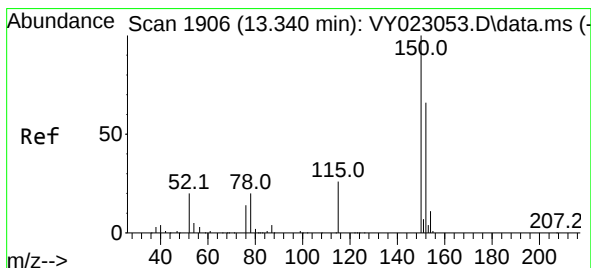
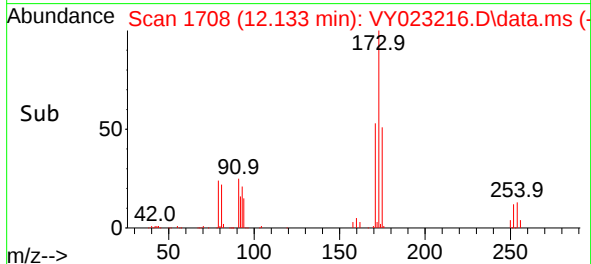
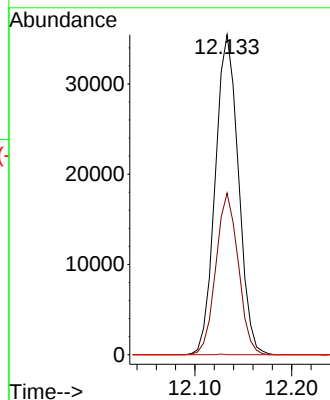
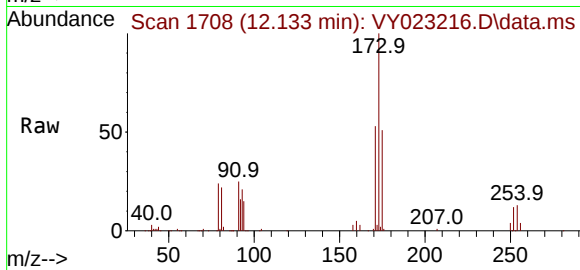
Tgt Ion:173 Resp: 58850

Ion Ratio Lower Upper

173 100

175 48.8 23.9 71.7

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

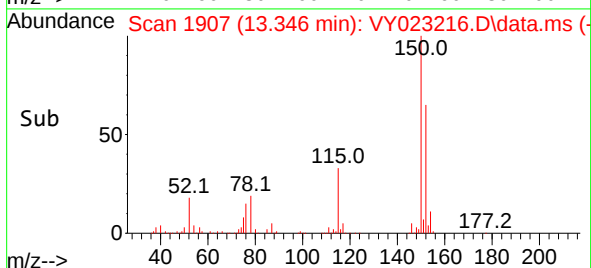
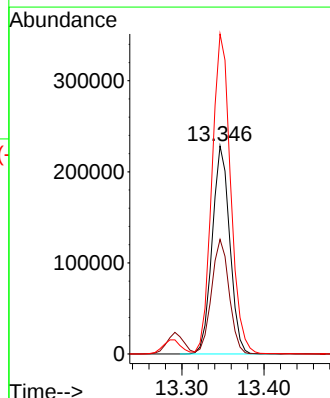
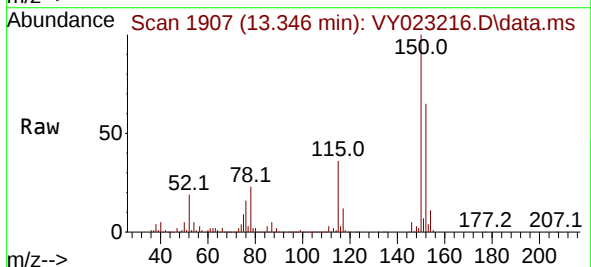
Tgt Ion:152 Resp: 338228

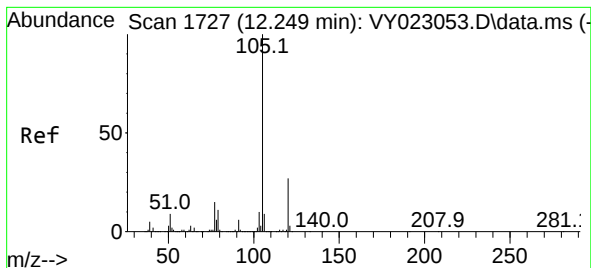
Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.6

150 164.1 0.0 348.0





#73

Isopropylbenzene

Concen: 20.552 ug/l

RT: 12.255 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

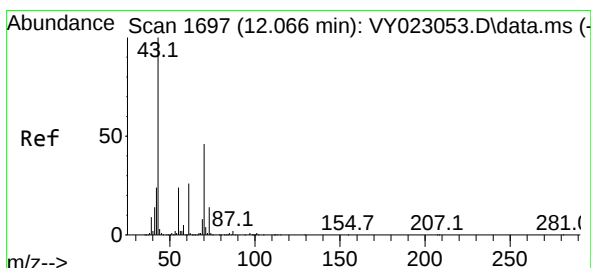
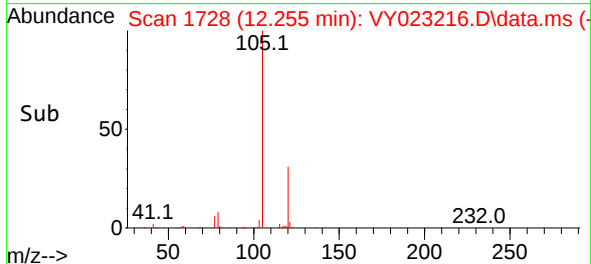
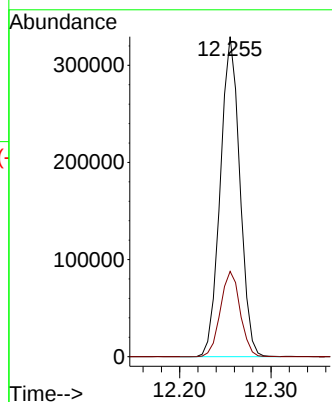
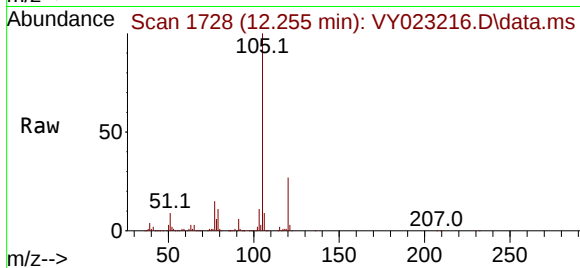
VY0828SBS01

Tgt Ion:105 Resp: 490612

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 16.657 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Tgt Ion: 43 Resp: 84323

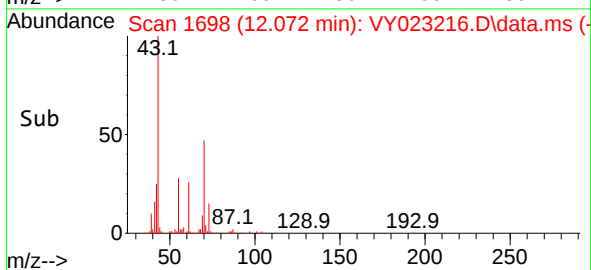
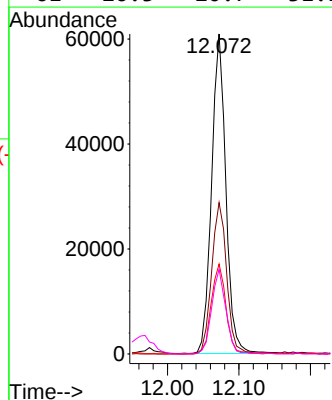
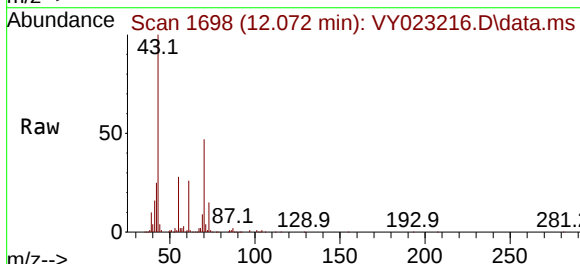
Ion Ratio Lower Upper

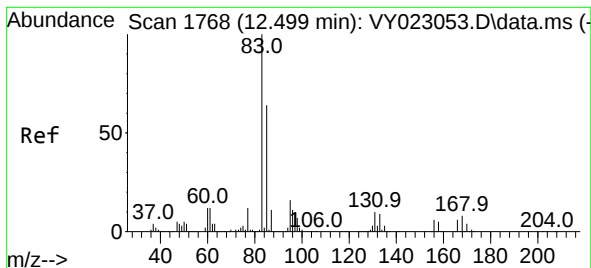
43 100

70 49.8 37.5 56.3

55 29.1 20.7 31.1

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.972 ug/l

RT: 12.505 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

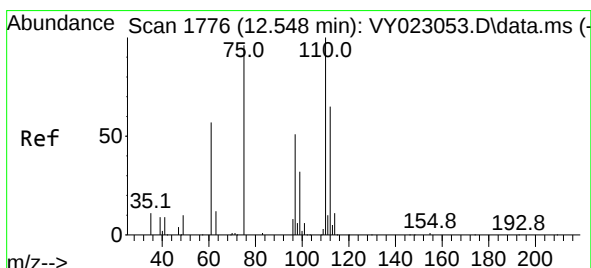
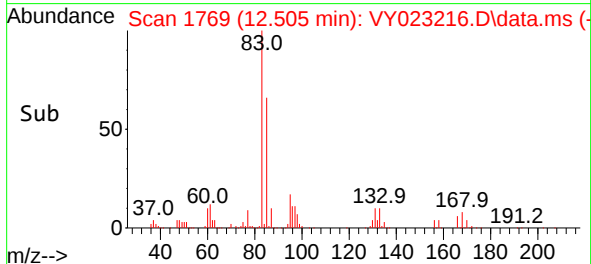
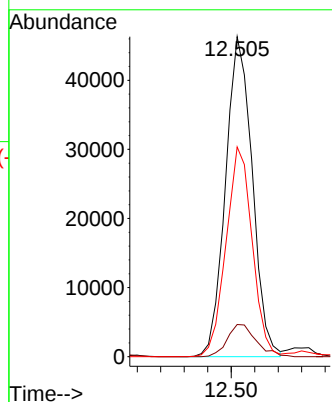
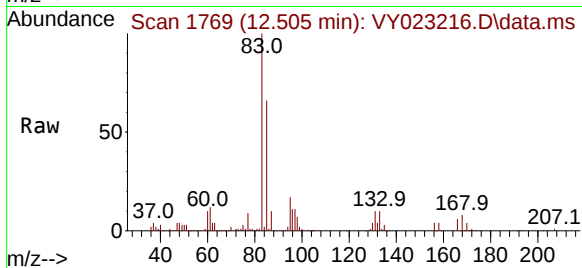
Tgt Ion: 83 Resp: 73253

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.3

85 64.1 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 31.390 ug/l

RT: 12.554 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VY023216.D

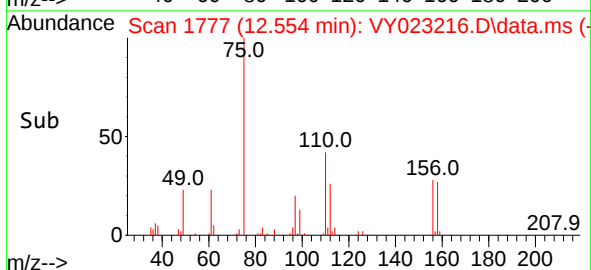
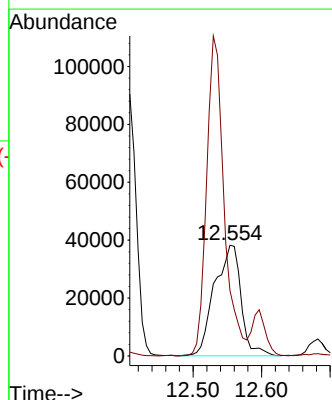
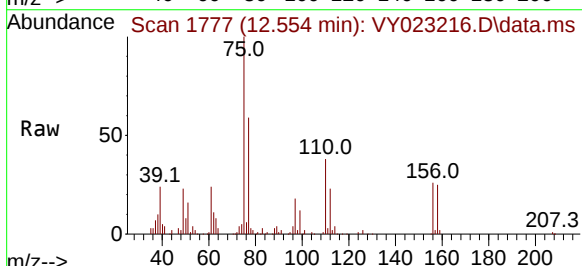
Acq: 28 Aug 2025 10:58

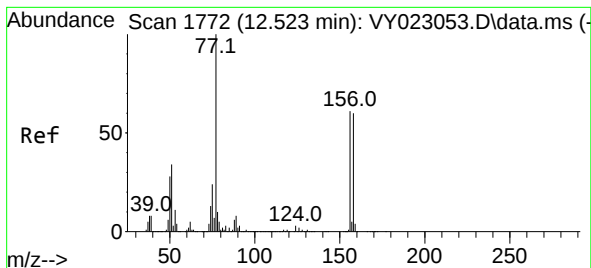
Tgt Ion: 75 Resp: 102464

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.286 ug/l

RT: 12.536 min Scan# 1774

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

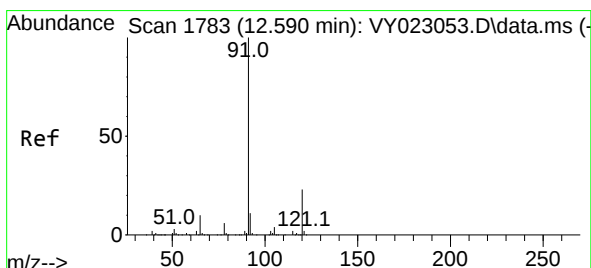
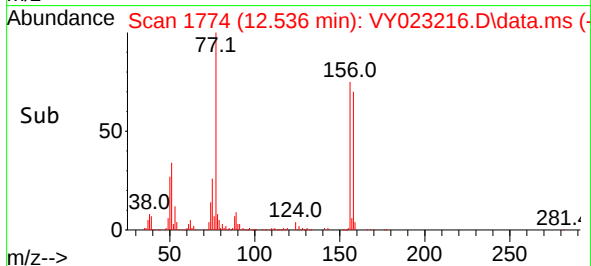
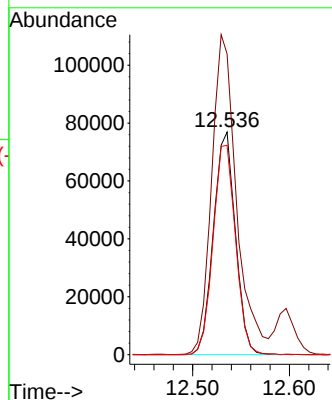
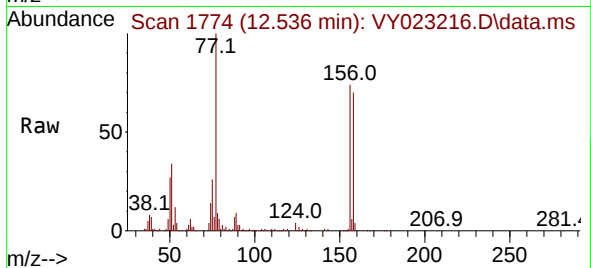
Tgt Ion:156 Resp: 121226

Ion Ratio Lower Upper

156 100

77 162.6 88.1 264.4

158 96.2 48.0 144.0



#78

n-propylbenzene

Concen: 20.486 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.006 min

Lab File: VY023216.D

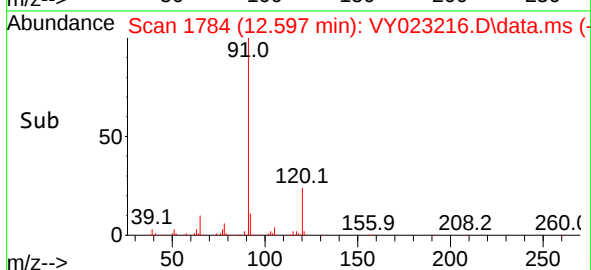
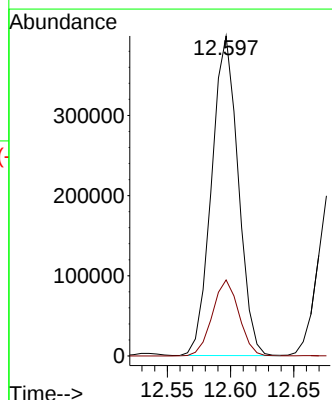
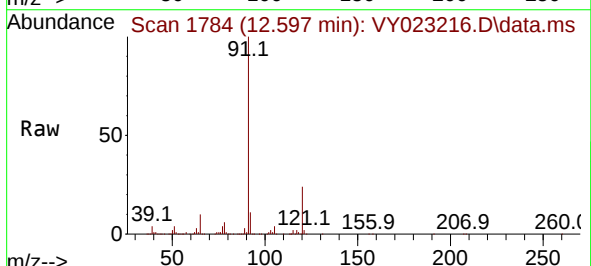
Acq: 28 Aug 2025 10:58

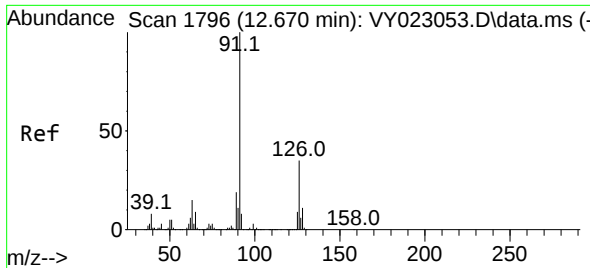
Tgt Ion: 91 Resp: 582228

Ion Ratio Lower Upper

91 100

120 23.8 11.5 34.5

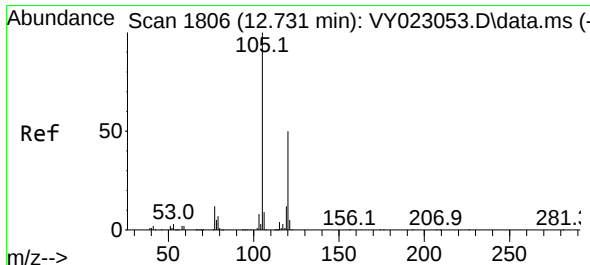
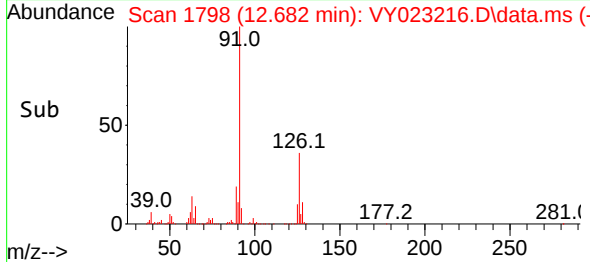
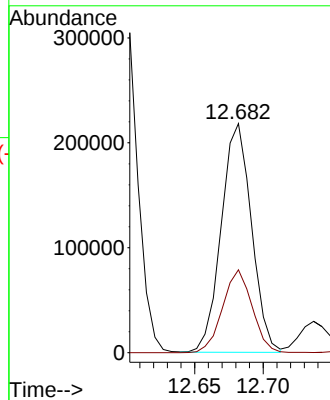
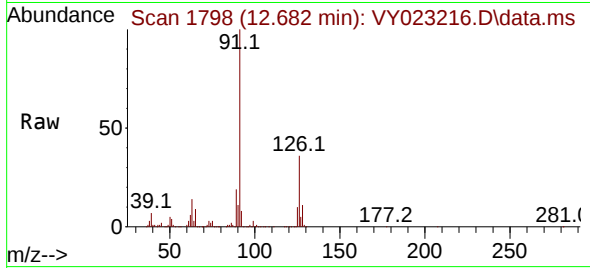




#79  
2-Chlorotoluene  
Concen: 20.573 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

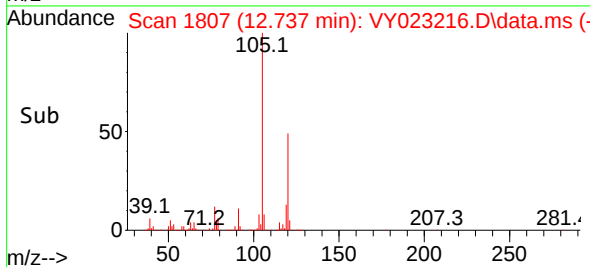
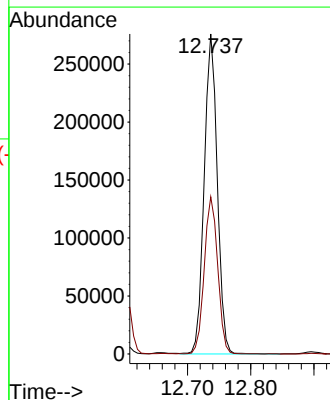
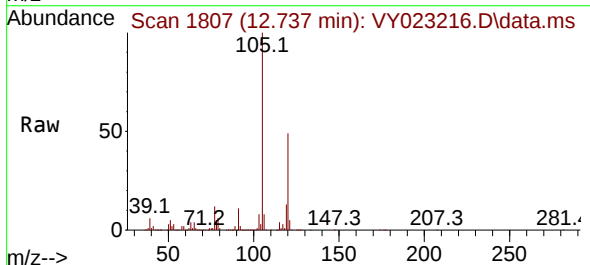
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

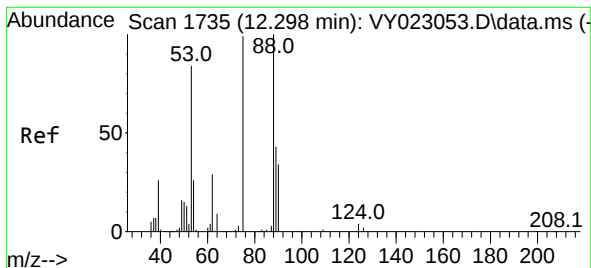
Tgt Ion: 91 Resp: 335016  
Ion Ratio Lower Upper  
91 100  
126 35.4 17.4 52.3



#80  
1,3,5-Trimethylbenzene  
Concen: 20.590 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 105 Resp: 397240  
Ion Ratio Lower Upper  
105 100  
120 50.5 24.8 74.4

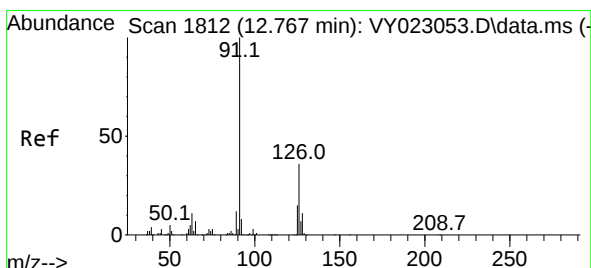
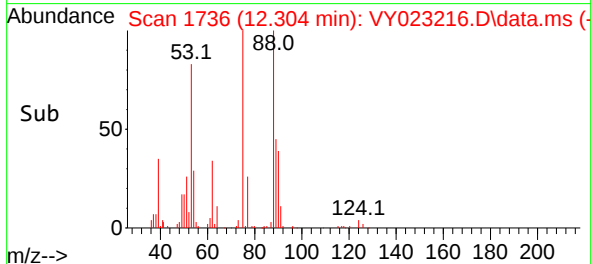
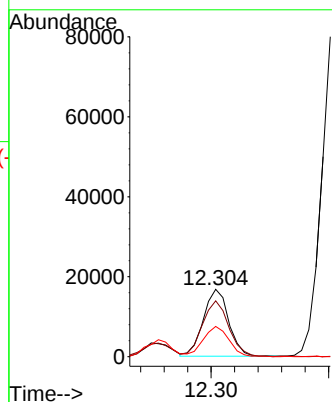
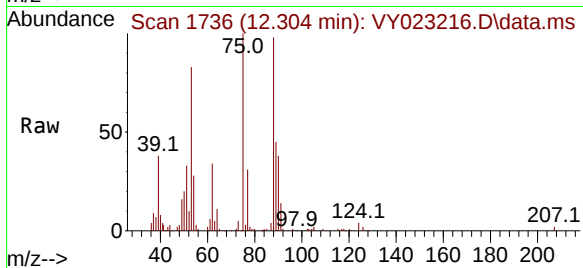




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.567 ug/l  
RT: 12.304 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

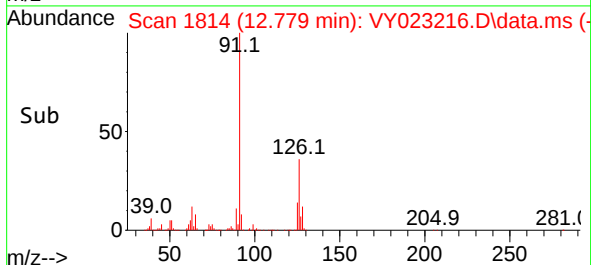
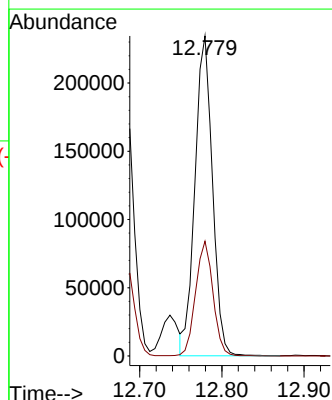
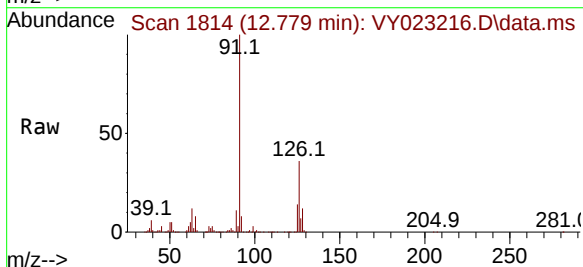
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

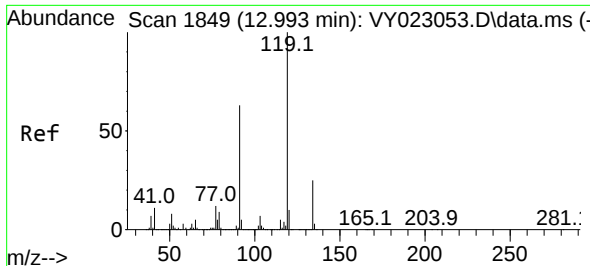
Tgt Ion: 75 Resp: 25038  
Ion Ratio Lower Upper  
75 100  
53 87.5 70.8 106.2  
89 45.7 38.1 57.1



#82  
4-Chlorotoluene  
Concen: 20.459 ug/l  
RT: 12.779 min Scan# 1814  
Delta R.T. 0.012 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

Tgt Ion: 91 Resp: 345600  
Ion Ratio Lower Upper  
91 100  
126 35.8 17.3 52.0

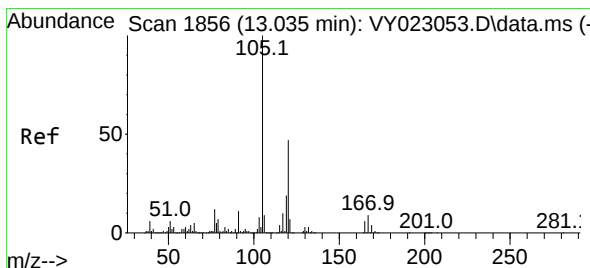
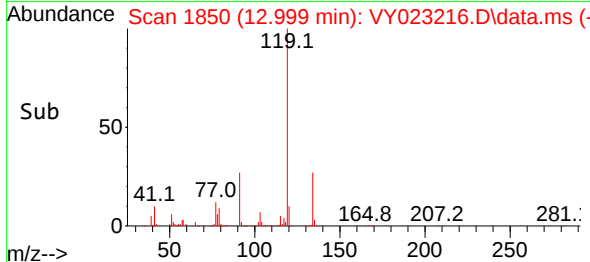
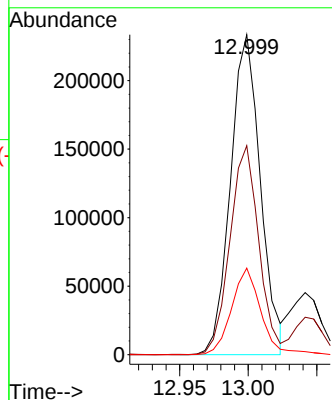
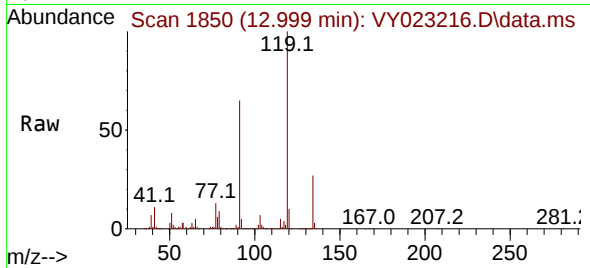




#83  
 tert-Butylbenzene  
 Concen: 20.367 ug/l  
 RT: 12.999 min Scan# 1849  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

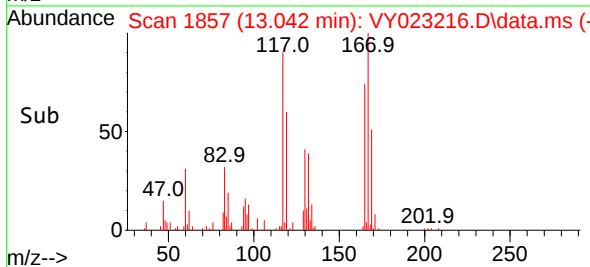
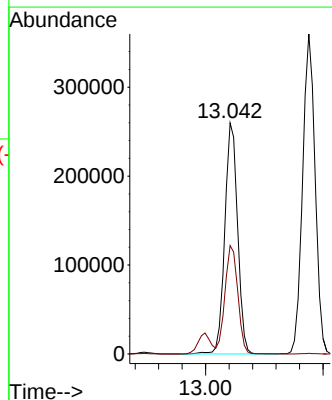
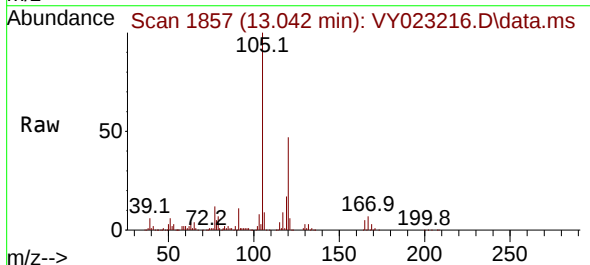
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

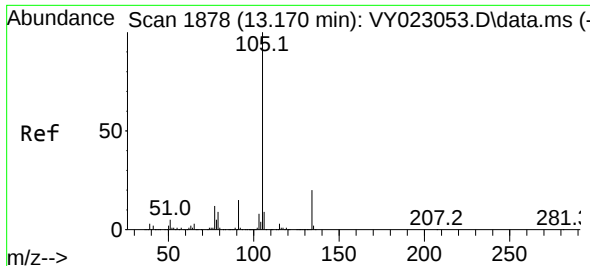
Tgt Ion:119 Resp: 354889  
 Ion Ratio Lower Upper  
 119 100  
 91 63.1 31.6 94.8  
 134 26.6 12.9 38.7



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.502 ug/l  
 RT: 13.042 min Scan# 1857  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

Tgt Ion:105 Resp: 393756  
 Ion Ratio Lower Upper  
 105 100  
 120 46.9 23.0 69.0

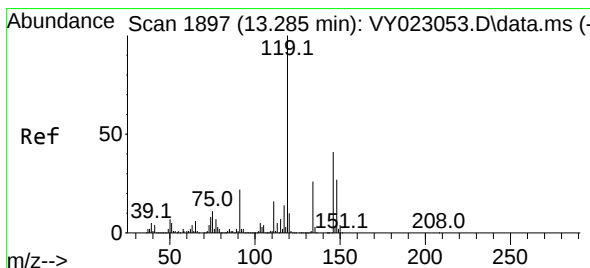
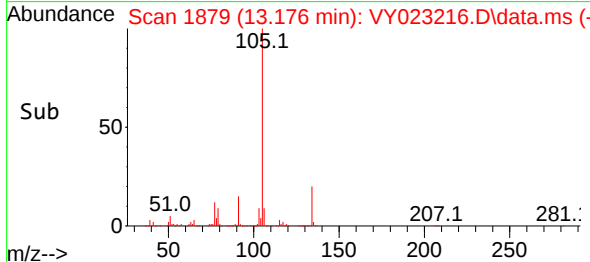
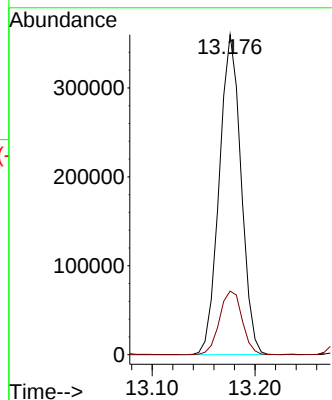
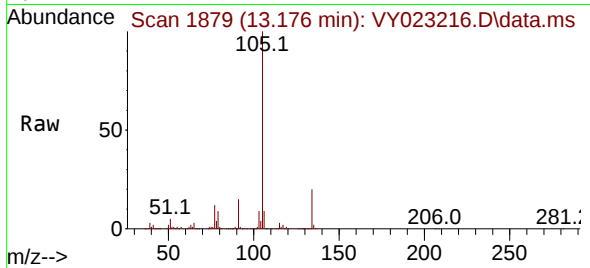




#85  
 sec-Butylbenzene  
 Concen: 20.692 ug/l  
 RT: 13.176 min Scan# 1878  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

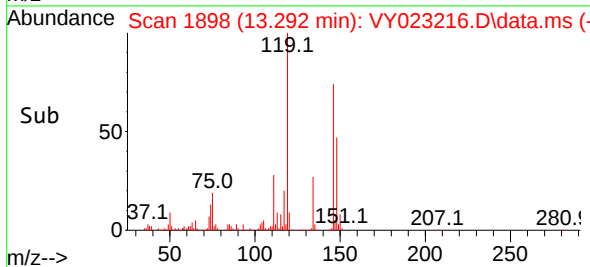
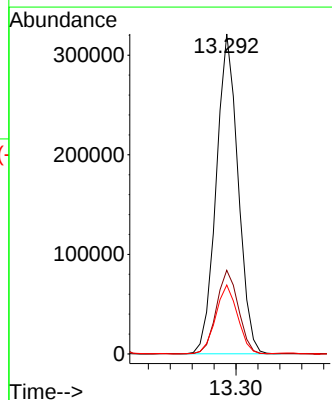
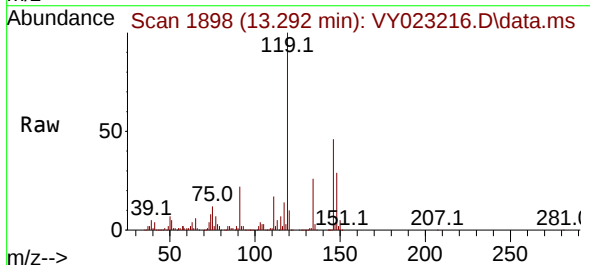
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0828SBS01

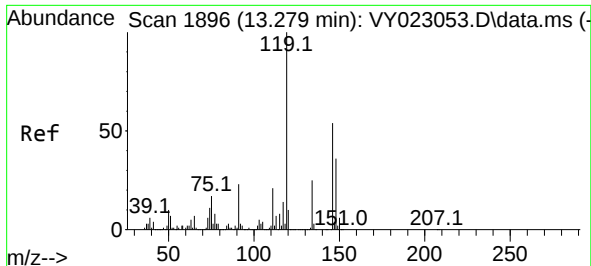
Tgt Ion:105 Resp: 529646  
 Ion Ratio Lower Upper  
 105 100  
 134 20.6 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 20.886 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.006 min  
 Lab File: VY023216.D  
 Acq: 28 Aug 2025 10:58

Tgt Ion:119 Resp: 443763  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.2 39.6  
 91 21.6 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 20.845 ug/l

RT: 13.285 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

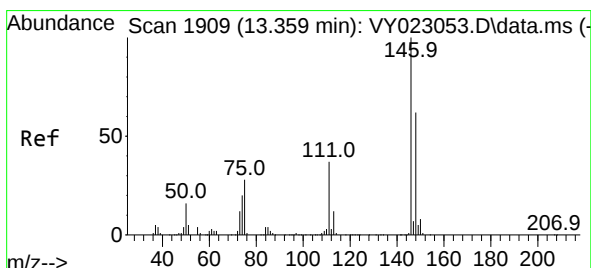
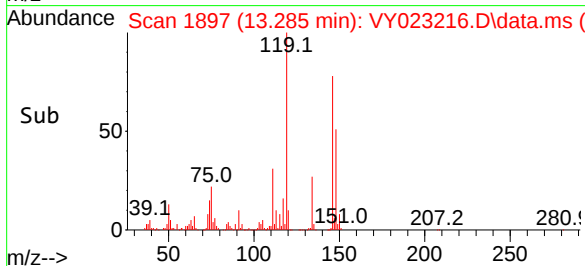
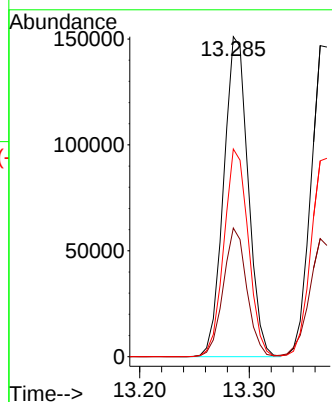
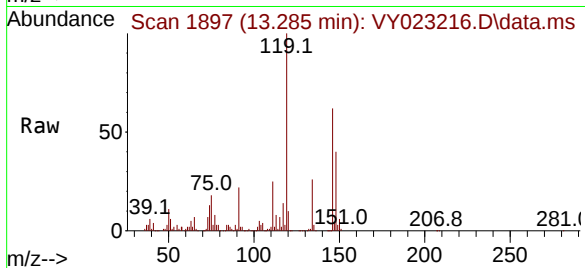
Tgt Ion:146 Resp: 234109

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

148 64.6 32.5 97.5



#88

1,4-Dichlorobenzene

Concen: 20.907 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

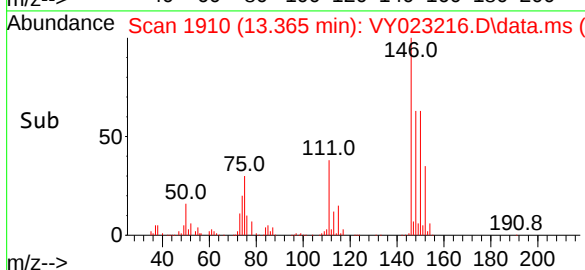
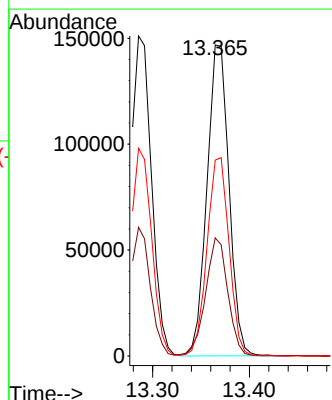
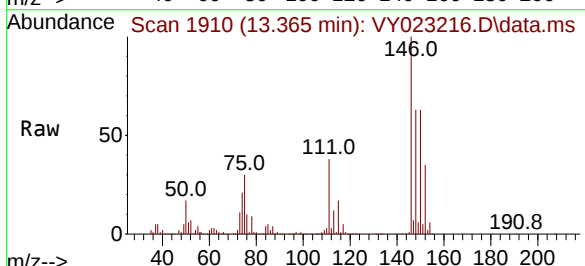
Tgt Ion:146 Resp: 232922

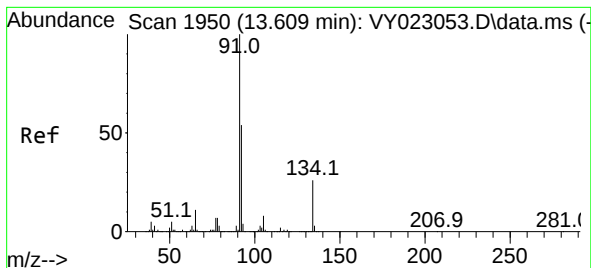
Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

148 63.8 31.6 94.7





#89

n-Butylbenzene

Concen: 19.906 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.012 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

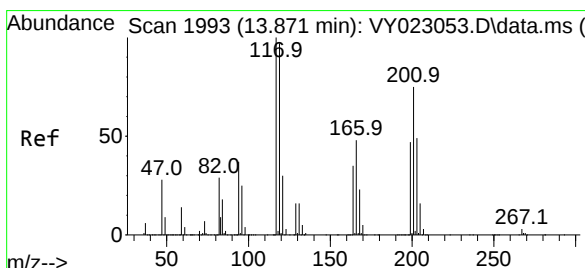
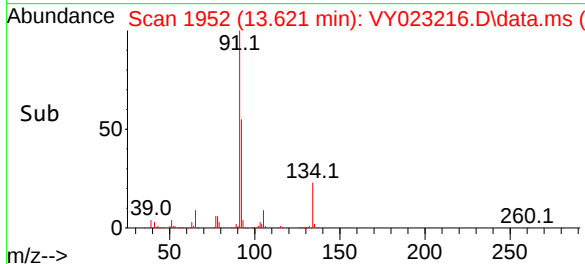
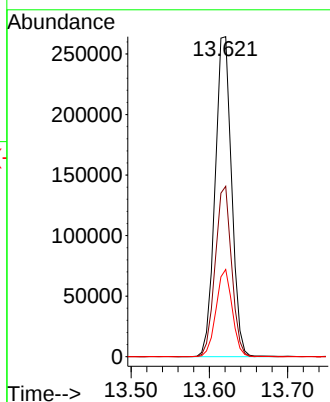
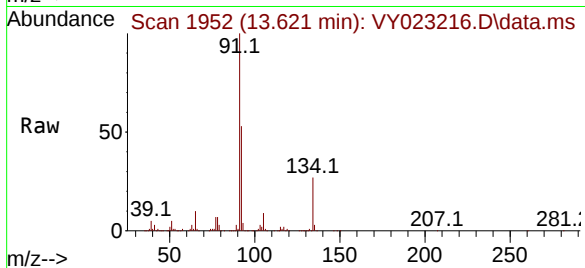
Tgt Ion: 91 Resp: 388450

Ion Ratio Lower Upper

91 100

92 52.8 26.9 80.7

134 26.6 13.2 39.5



#90

Hexachloroethane

Concen: 21.511 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VY023216.D

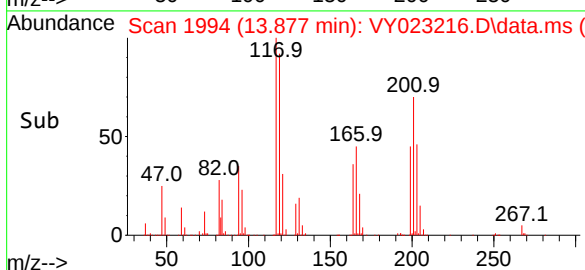
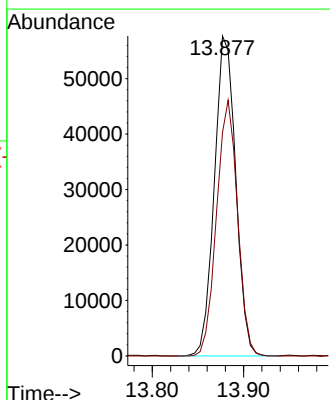
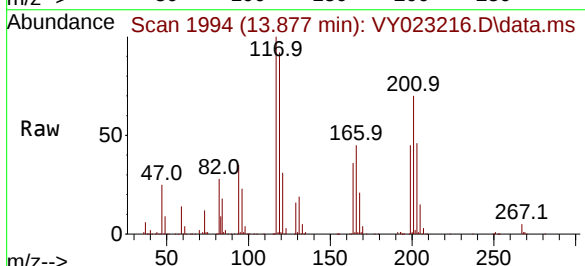
Acq: 28 Aug 2025 10:58

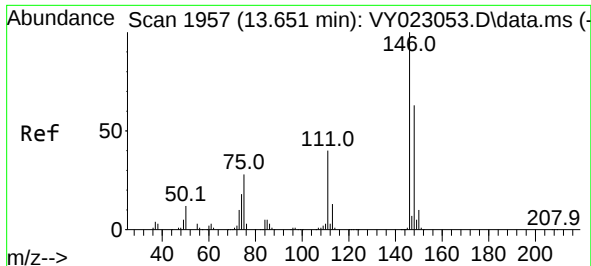
Tgt Ion: 117 Resp: 93560

Ion Ratio Lower Upper

117 100

201 78.5 38.4 115.1

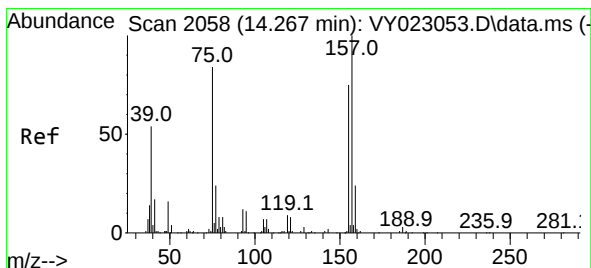
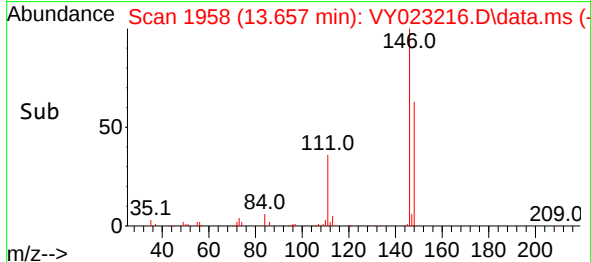
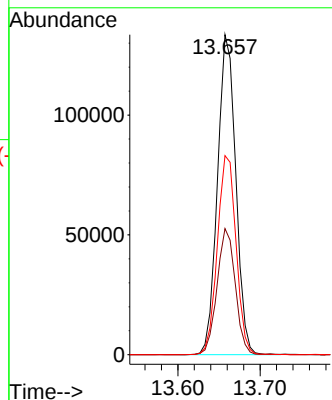
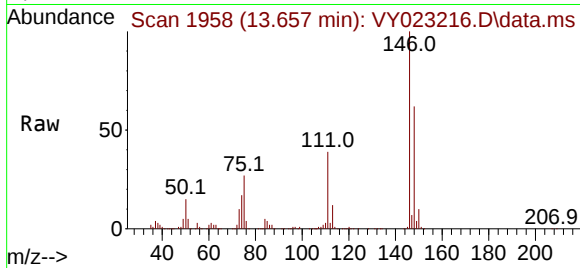




#91  
1,2-Dichlorobenzene  
Concen: 20.967 ug/l  
RT: 13.657 min Scan# 1957  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

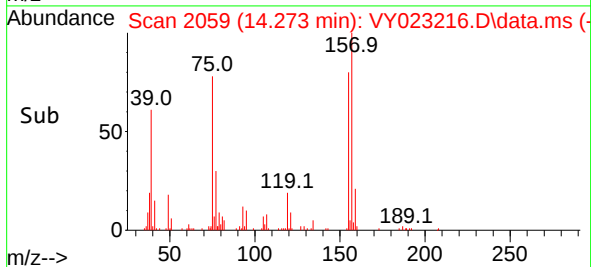
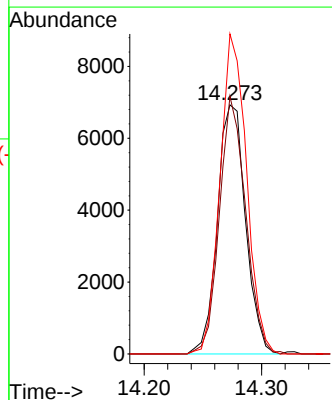
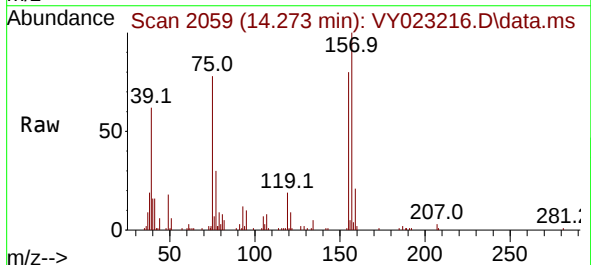
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0828SBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 39.3  | 20.3  | 60.8  |
| 148     | 63.7  | 32.2  | 96.6  |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.160 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. 0.006 min  
Lab File: VY023216.D  
Acq: 28 Aug 2025 10:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 96.5  | 43.9  | 131.6 |
| 157     | 121.3 | 57.2  | 171.6 |





#93

1,2,4-Trichlorobenzene

Concen: 19.811 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

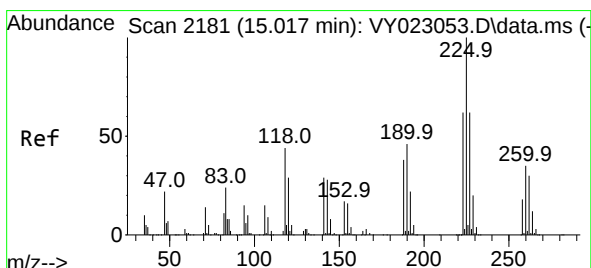
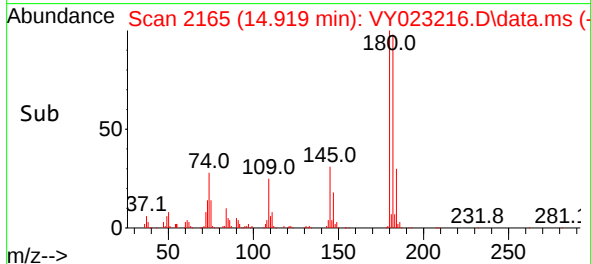
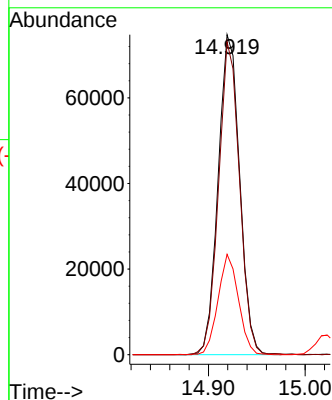
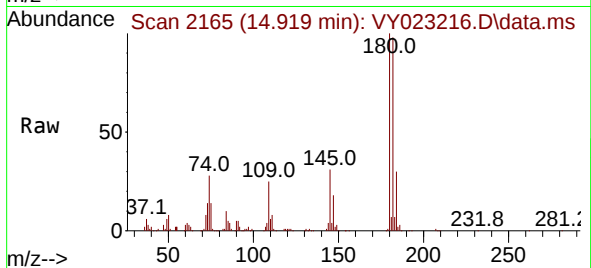
Tgt Ion:180 Resp: 115389

Ion Ratio Lower Upper

180 100

182 95.2 46.8 140.4

145 29.8 14.4 43.4



#94

Hexachlorobutadiene

Concen: 20.941 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

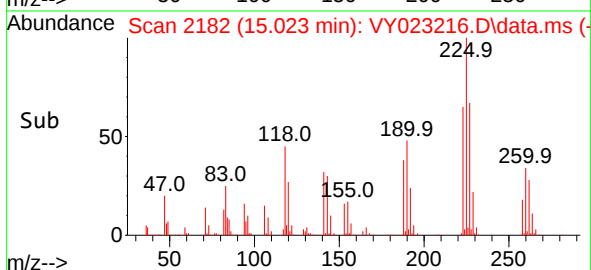
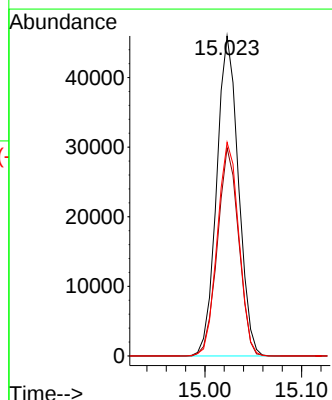
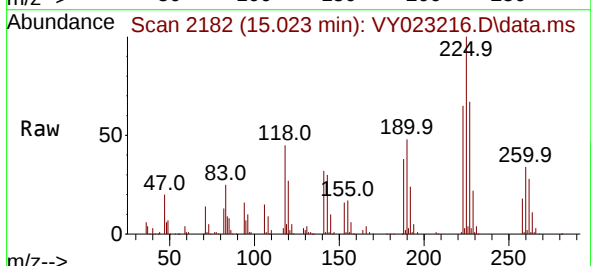
Tgt Ion:225 Resp: 71675

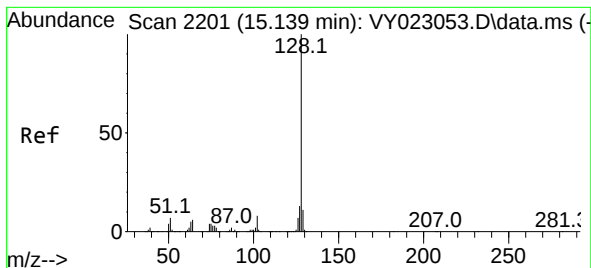
Ion Ratio Lower Upper

225 100

223 63.6 31.3 93.8

227 66.4 31.5 94.5





#95

Naphthalene

Concen: 17.414 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Instrument :

MSVOA\_Y

ClientSampleId :

VY0828SBS01

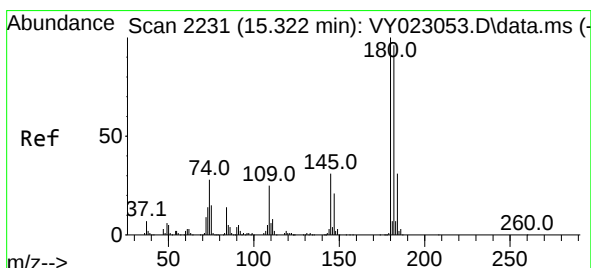
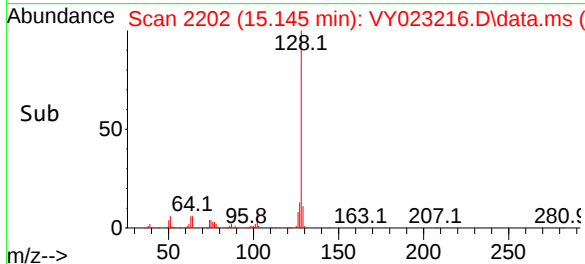
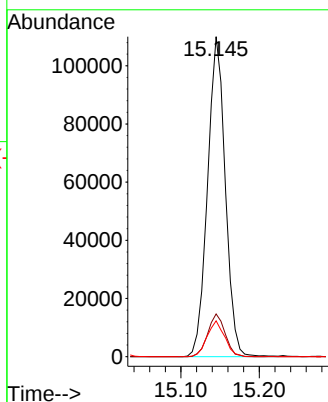
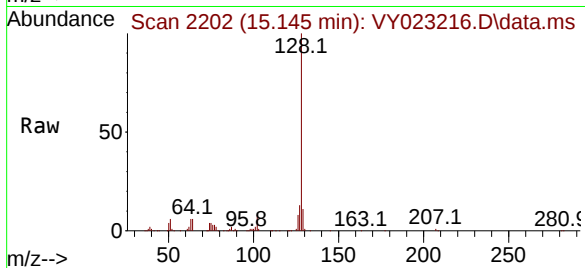
Tgt Ion:128 Resp: 172952

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.1 9.0 13.4



#96

1,2,3-Trichlorobenzene

Concen: 19.367 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY023216.D

Acq: 28 Aug 2025 10:58

Tgt Ion:180 Resp: 97205

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.7

145 30.9 15.9 47.7

