

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070325\  
 Data File : VW031761.D  
 Acq On : 03 Jul 2025 11:39  
 Operator : SY/MD  
 Sample : VW0703SBS01  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

Quant Time: Jul 04 04:51:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 238876   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 409551   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 359871   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 173780   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.319  | 65    | 163705   | 47.753   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 95.500%  |
| 35) Dibromofluoromethane    | 7.898  | 113   | 134414   | 50.295   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 100.600% |
| 50) Toluene-d8              | 10.325 | 98    | 509701   | 51.250   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 102.500% |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 185176   | 50.595   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 101.200% |

|                              |       |     |        |        |      |     |
|------------------------------|-------|-----|--------|--------|------|-----|
| Target Compounds             |       |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane   | 2.046 | 85  | 32783  | 20.151 | ug/l | 99  |
| 3) Chloromethane             | 2.253 | 50  | 38943  | 19.856 | ug/l | 98  |
| 4) Vinyl Chloride            | 2.405 | 62  | 53387  | 20.709 | ug/l | 97  |
| 5) Bromomethane              | 2.820 | 94  | 38702  | 19.221 | ug/l | 99  |
| 6) Chloroethane              | 2.972 | 64  | 34624  | 19.773 | ug/l | 98  |
| 7) Trichlorofluoromethane    | 3.302 | 101 | 43573  | 18.612 | ug/l | 95  |
| 8) Diethyl Ether             | 3.716 | 74  | 33671  | 18.927 | ug/l | 94  |
| 9) 1,1,2-Trichlorotrifluo... | 4.100 | 101 | 50398  | 19.394 | ug/l | 99  |
| 10) Methyl Iodide            | 4.308 | 142 | 78432  | 19.578 | ug/l | 99  |
| 11) Tert butyl alcohol       | 5.210 | 59  | 19308  | 90.911 | ug/l | 100 |
| 12) 1,1-Dichloroethene       | 4.076 | 96  | 57233  | 20.108 | ug/l | 95  |
| 13) Acrolein                 | 3.924 | 56  | 34295  | 89.843 | ug/l | 96  |
| 14) Allyl chloride           | 4.704 | 41  | 87725  | 20.087 | ug/l | 96  |
| 15) Acrylonitrile            | 5.399 | 53  | 79947  | 91.385 | ug/l | 96  |
| 16) Acetone                  | 4.155 | 43  | 73979  | 87.308 | ug/l | 97  |
| 17) Carbon Disulfide         | 4.417 | 76  | 147302 | 19.340 | ug/l | 99  |
| 18) Methyl Acetate           | 4.704 | 43  | 50880  | 21.010 | ug/l | 100 |
| 19) Methyl tert-butyl Ether  | 5.460 | 73  | 93515  | 19.357 | ug/l | 95  |
| 20) Methylene Chloride       | 4.948 | 84  | 76933  | 19.814 | ug/l | 98  |
| 21) trans-1,2-Dichloroethene | 5.460 | 96  | 60290  | 19.934 | ug/l | 93  |
| 22) Diisopropyl ether        | 6.332 | 45  | 169639 | 19.917 | ug/l | 93  |
| 23) Vinyl Acetate            | 6.277 | 43  | 533080 | 91.631 | ug/l | 98  |
| 24) 1,1-Dichloroethane       | 6.240 | 63  | 106847 | 19.349 | ug/l | 99  |
| 25) 2-Butanone               | 7.191 | 43  | 106700 | 96.793 | ug/l | 96  |
| 26) 2,2-Dichloropropane      | 7.185 | 77  | 62478  | 19.392 | ug/l | 99  |
| 27) cis-1,2-Dichloroethene   | 7.191 | 96  | 67721  | 19.479 | ug/l | 99  |
| 28) Bromochloromethane       | 7.527 | 49  | 46634  | 19.137 | ug/l | 99  |
| 29) Tetrahydrofuran          | 7.551 | 42  | 71289  | 94.432 | ug/l | 98  |
| 30) Chloroform               | 7.691 | 83  | 114924 | 19.586 | ug/l | 97  |
| 31) Cyclohexane              | 7.965 | 56  | 93809  | 19.218 | ug/l | 91  |
| 32) 1,1,1-Trichloroethane    | 7.886 | 97  | 90361  | 19.983 | ug/l | 98  |
| 36) 1,1-Dichloropropene      | 8.093 | 75  | 80267  | 20.756 | ug/l | 99  |
| 37) Ethyl Acetate            | 7.270 | 43  | 45722  | 18.742 | ug/l | 99  |
| 38) Carbon Tetrachloride     | 8.081 | 117 | 81352  | 20.643 | ug/l | 95  |
| 39) Methylcyclohexane        | 9.343 | 83  | 100392 | 20.865 | ug/l | 98  |
| 40) Benzene                  | 8.331 | 78  | 240384 | 21.010 | ug/l | 99  |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

Quant Time: Jul 04 04:51:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.496  | 41   | 24240    | 18.548  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.411  | 62   | 78305    | 20.255  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.435  | 43   | 82680    | 19.661  | ug/l   | 100      |
| 44) Trichloroethene           | 9.099  | 130  | 59600    | 20.870  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 56963    | 20.599  | ug/l   | 97       |
| 46) Dibromomethane            | 9.465  | 93   | 36094    | 20.217  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.648  | 83   | 82627    | 19.737  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.441  | 41   | 39928    | 19.310  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.459  | 88   | 8082     | 386.525 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.209 | 43   | 234253   | 96.894  | ug/l   | 100      |
| 52) Toluene                   | 10.392 | 92   | 150829   | 20.589  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 77761    | 19.797  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 89224    | 20.037  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 45953    | 19.650  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 62280    | 19.630  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 83317    | 20.292  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.929  | 63   | 175594   | 100.510 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.971 | 43   | 163809   | 99.988  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.130 | 129  | 54445    | 19.469  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 46162    | 19.718  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 47461    | 20.162  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.660 | 112  | 160031   | 20.155  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 51884    | 20.506  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.727 | 91   | 290707   | 21.114  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.837 | 106  | 218347   | 41.254  | ug/l   | 100      |
| 69) o-Xylene                  | 12.166 | 106  | 102811   | 20.980  | ug/l   | 97       |
| 70) Styrene                   | 12.178 | 104  | 174746   | 20.627  | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 29666    | 19.654  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.459 | 105  | 273725   | 20.707  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.270 | 43   | 69720    | 19.569  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 58717    | 20.008  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 51800m   | 23.066  | ug/l   |          |
| 77) Bromobenzene              | 12.745 | 156  | 62139    | 21.077  | ug/l   | 86       |
| 78) n-propylbenzene           | 12.800 | 91   | 336897   | 21.283  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 201837   | 21.175  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 236343   | 21.600  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 17833    | 18.496  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 208498   | 20.835  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 195947   | 20.906  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 229951   | 20.742  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 295967   | 21.038  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 247826   | 21.375  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 120366   | 20.358  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 120459   | 19.905  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.818 | 91   | 234590   | 20.825  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.086 | 117  | 41156    | 19.676  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 110181   | 20.389  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 10528    | 18.373  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.123 | 180  | 67422    | 20.230  | ug/l   | 93       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 35912    | 22.315  | ug/l   | 88       |
| 95) Naphthalene               | 15.354 | 128  | 155409   | 19.020  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 60337    | 19.703  | ug/l   | 97       |

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ALS Vial : 5 Sample Multiplier: 1

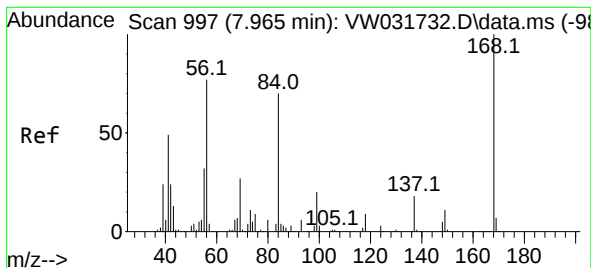
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Quant Time: Jul 04 04:51:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 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: 7.959 min Scan# 99

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

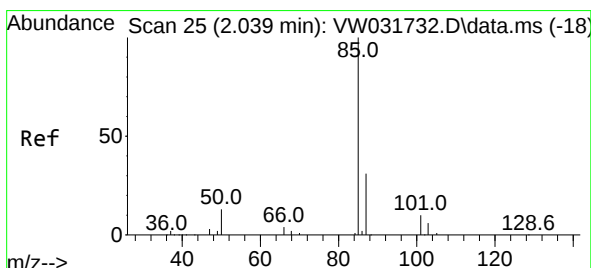
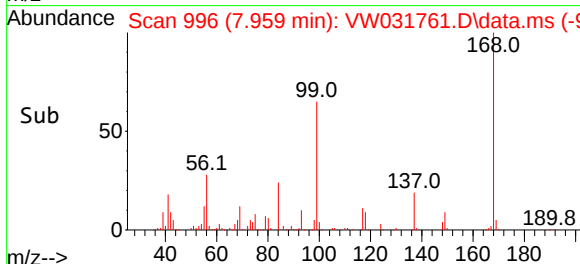
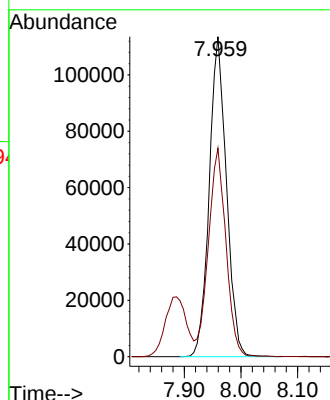
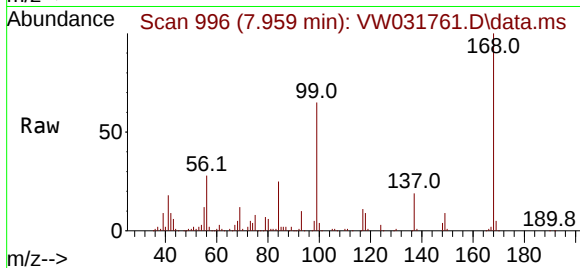
VW0703SBS01

Tgt Ion:168 Resp: 238876

Ion Ratio Lower Upper

168 100

99 65.1 49.4 74.2



#2

Dichlorodifluoromethane

Concen: 20.151 ug/l

RT: 2.046 min Scan# 26

Delta R.T. 0.007 min

Lab File: VW031761.D

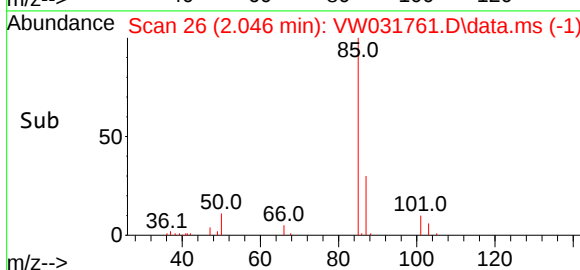
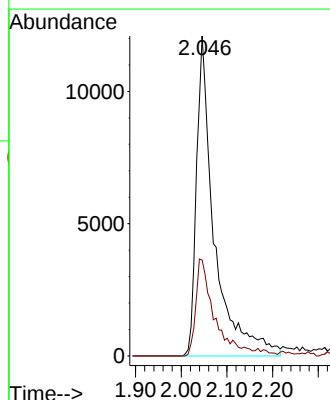
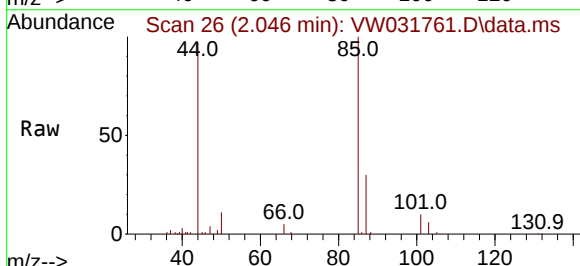
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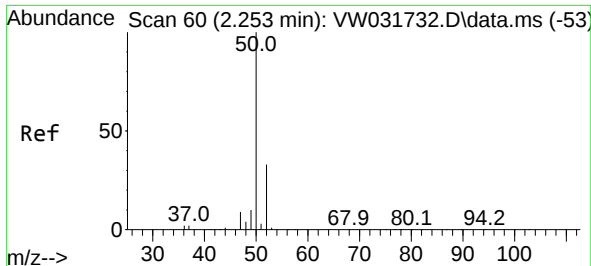
Tgt Ion: 85 Resp: 32783

Ion Ratio Lower Upper

85 100

87 30.0 15.4 46.2

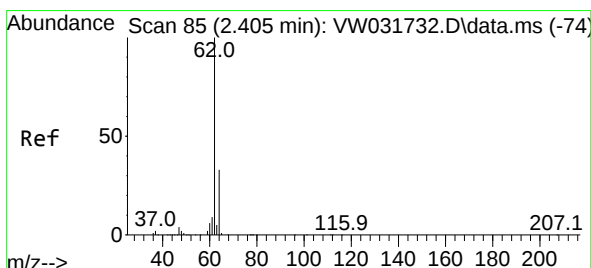
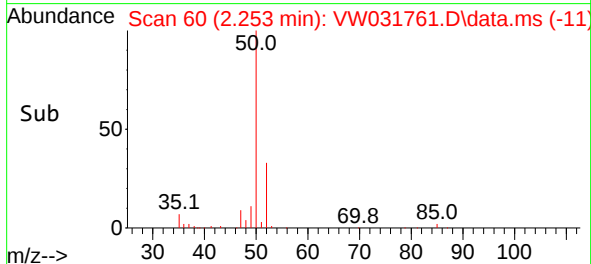
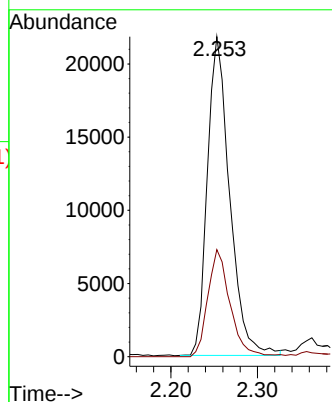
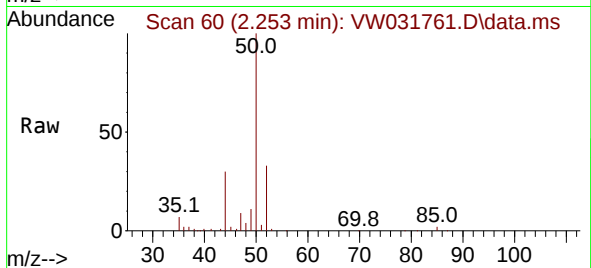




#3  
Chloromethane  
Concen: 19.856 ug/l  
RT: 2.253 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

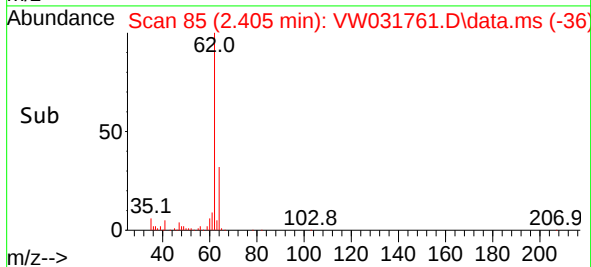
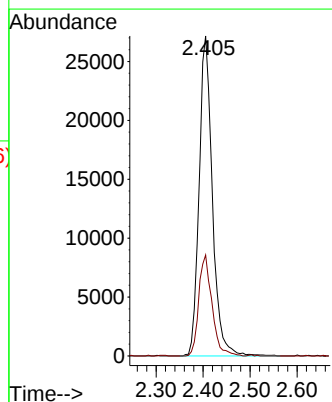
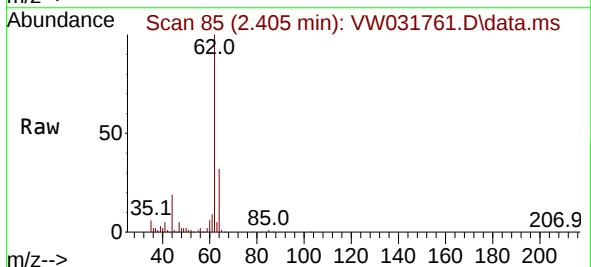
Instrument :  
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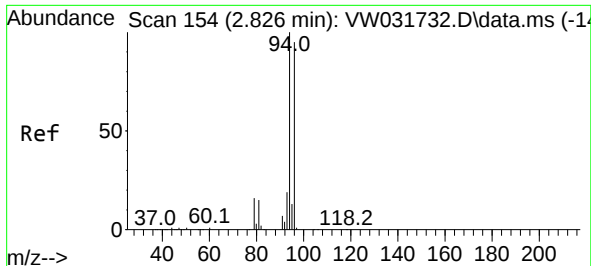
Tgt Ion: 50 Resp: 38943  
Ion Ratio Lower Upper  
50 100  
52 33.6 26.2 39.2



#4  
Vinyl Chloride  
Concen: 20.709 ug/l  
RT: 2.405 min Scan# 85  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 62 Resp: 53387  
Ion Ratio Lower Upper  
62 100  
64 31.6 26.8 40.2

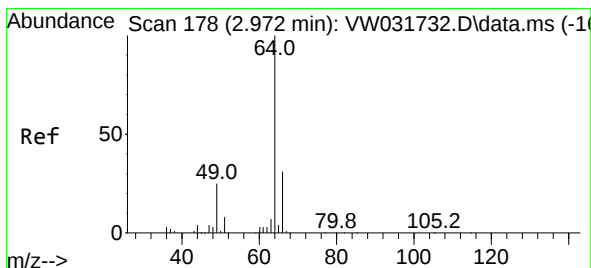
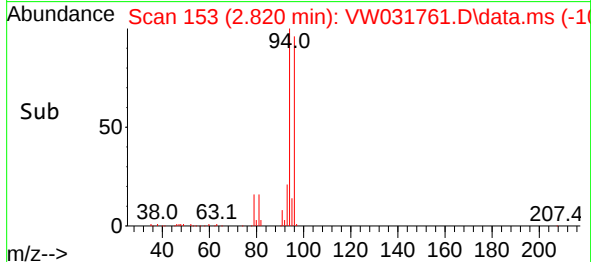
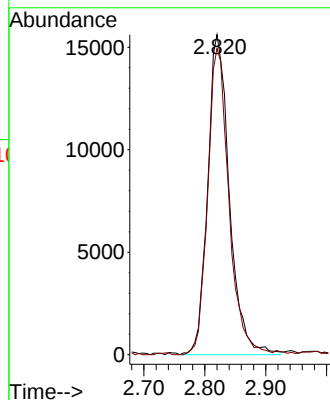
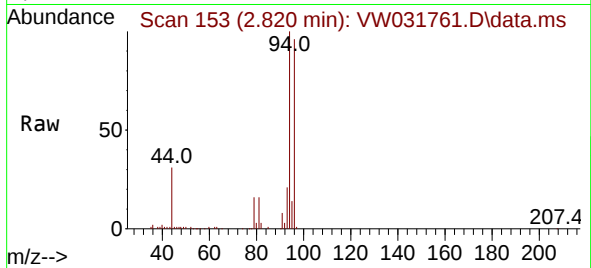




#5  
Bromomethane  
Concen: 19.221 ug/l  
RT: 2.820 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

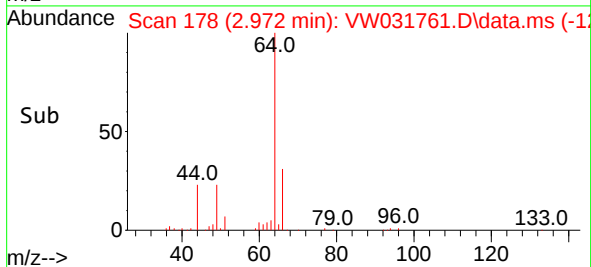
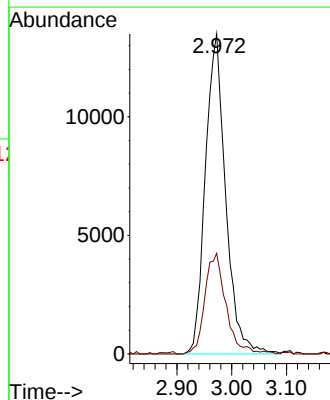
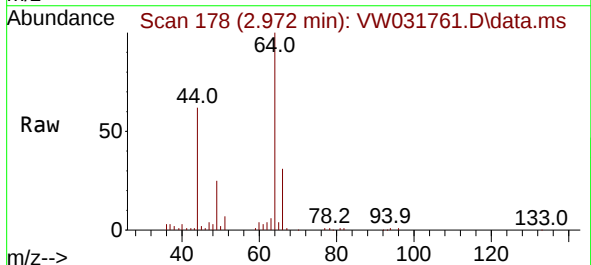
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

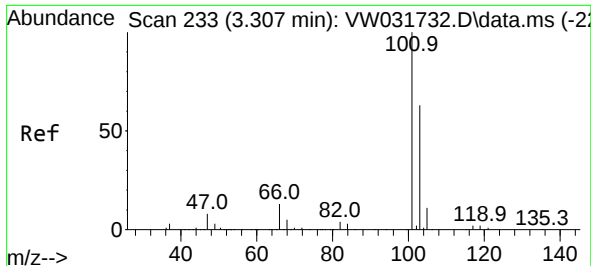
Tgt Ion: 94 Resp: 38702  
Ion Ratio Lower Upper  
94 100  
96 95.7 75.6 113.4



#6  
Chloroethane  
Concen: 19.773 ug/l  
RT: 2.972 min Scan# 178  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 64 Resp: 34624  
Ion Ratio Lower Upper  
64 100  
66 31.4 24.5 36.7

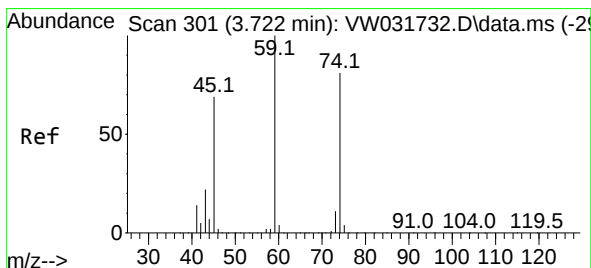
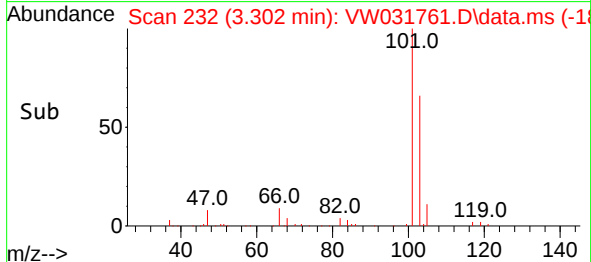
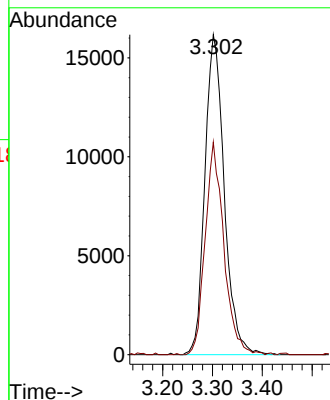
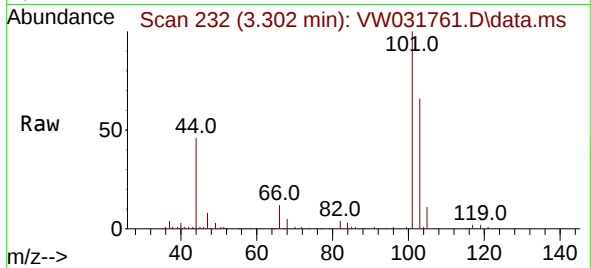




#7  
 Trichlorofluoromethane  
 Concen: 18.612 ug/l  
 RT: 3.302 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

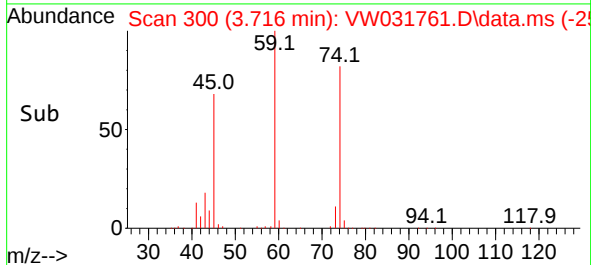
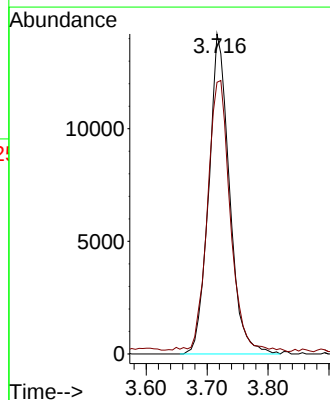
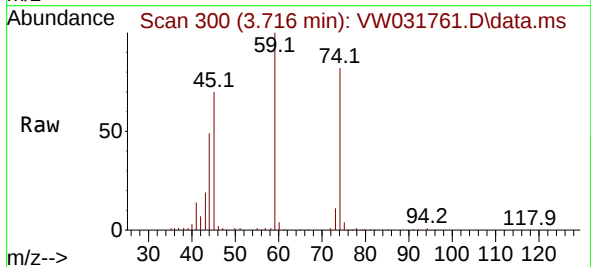
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

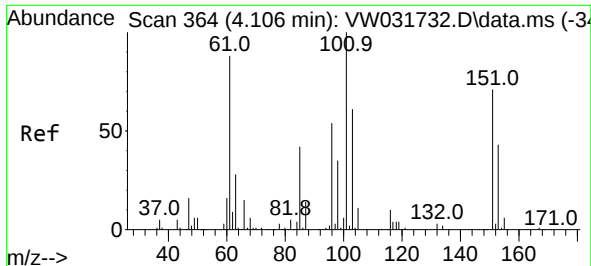
Tgt Ion:101 Resp: 43573  
 Ion Ratio Lower Upper  
 101 100  
 103 66.4 50.2 75.4



#8  
 Diethyl Ether  
 Concen: 18.927 ug/l  
 RT: 3.716 min Scan# 300  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion: 74 Resp: 33671  
 Ion Ratio Lower Upper  
 74 100  
 45 93.4 43.9 131.7

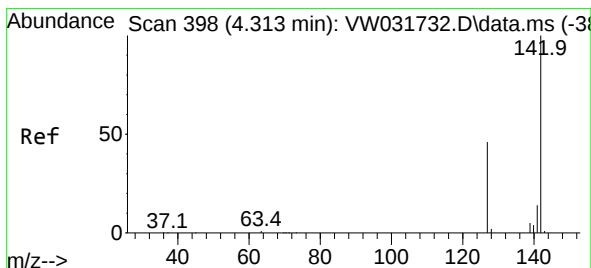
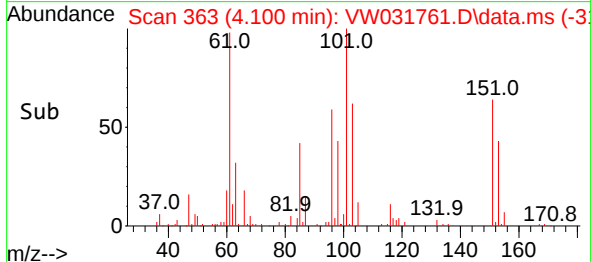
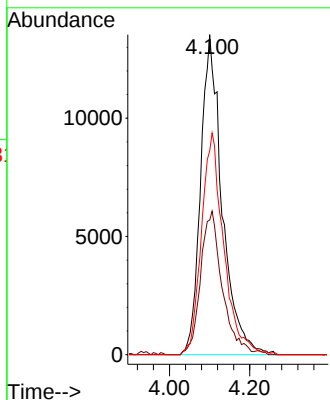
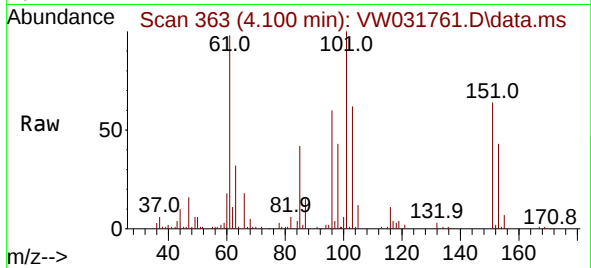




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 19.394 ug/l  
 RT: 4.100 min Scan# 309  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

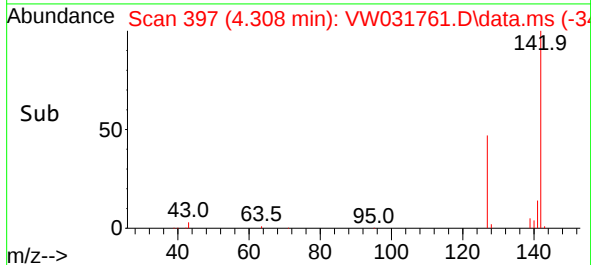
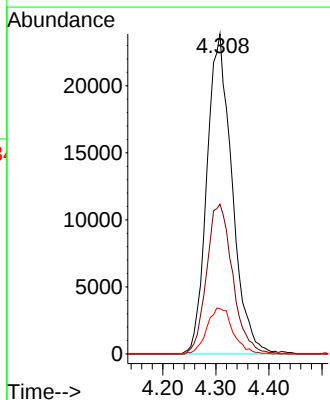
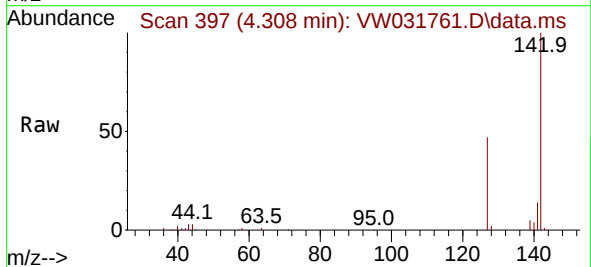
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

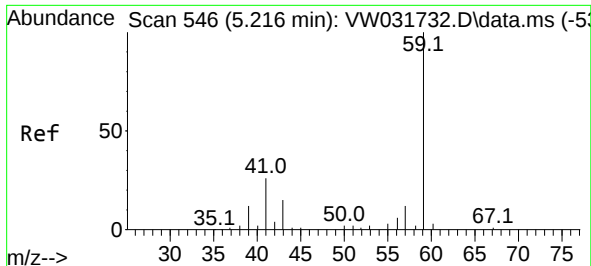
Tgt Ion:101 Resp: 50398  
 Ion Ratio Lower Upper  
 101 100  
 85 45.1 35.6 53.4  
 151 71.6 56.8 85.2



#10  
 Methyl Iodide  
 Concen: 19.578 ug/l  
 RT: 4.308 min Scan# 397  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion:142 Resp: 78432  
 Ion Ratio Lower Upper  
 142 100  
 127 48.4 37.9 56.9  
 141 14.9 11.7 17.5

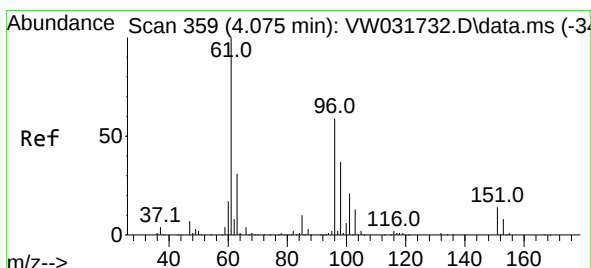
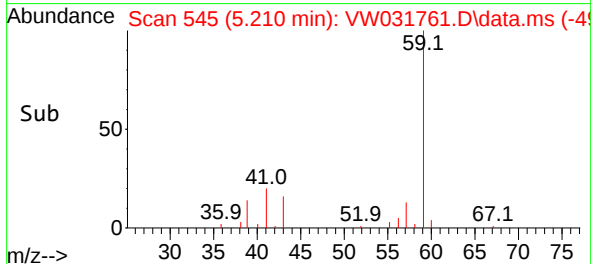
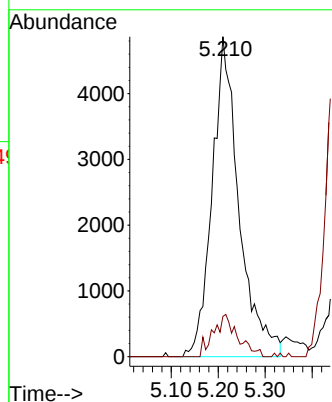
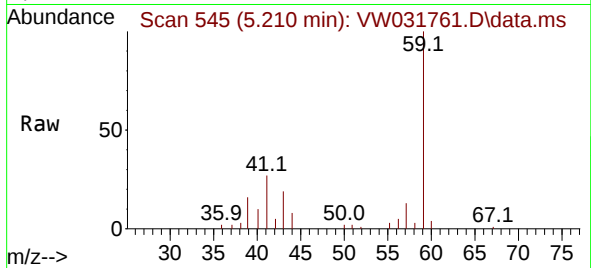




#11  
Tert butyl alcohol  
Concen: 90.911 ug/l  
RT: 5.210 min Scan# 546  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

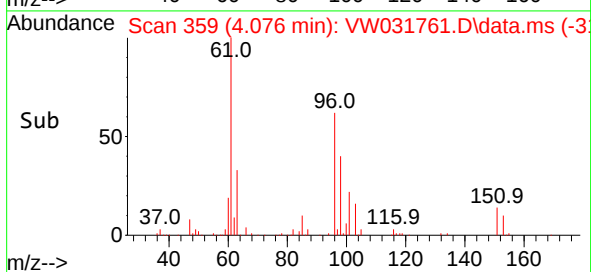
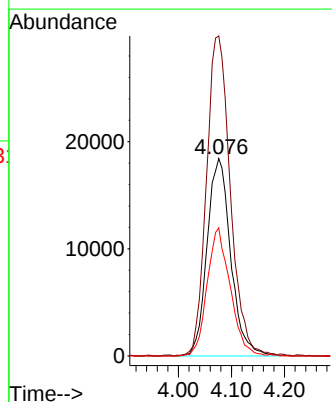
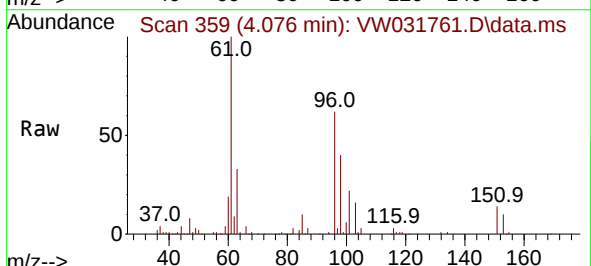
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

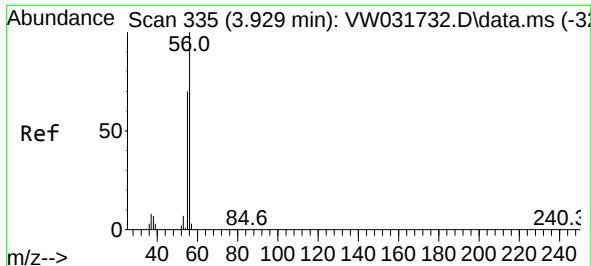
Tgt Ion: 59 Resp: 19308  
Ion Ratio Lower Upper  
59 100  
57 12.0 9.5 14.3



#12  
1,1-Dichloroethene  
Concen: 20.108 ug/l  
RT: 4.076 min Scan# 359  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 96 Resp: 57233  
Ion Ratio Lower Upper  
96 100  
61 161.7 135.8 203.8  
98 64.6 50.4 75.6

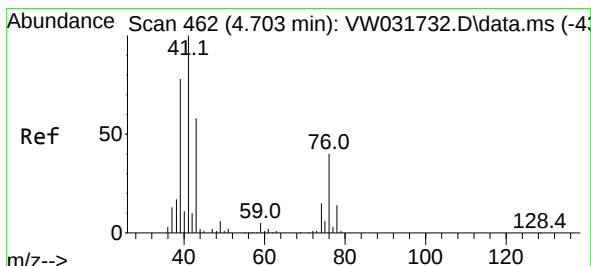
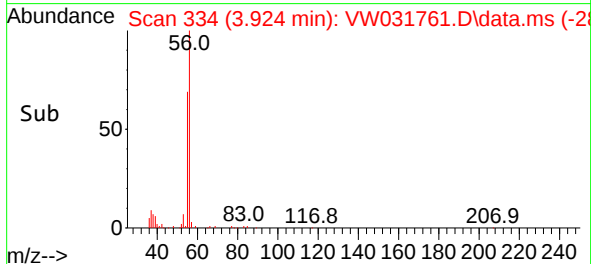
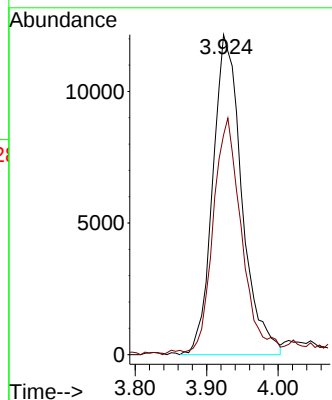
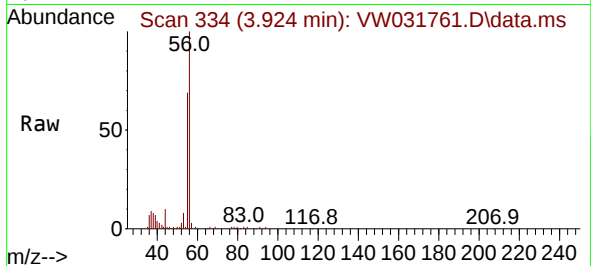




#13  
Acrolein  
Concen: 89.843 ug/l  
RT: 3.924 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

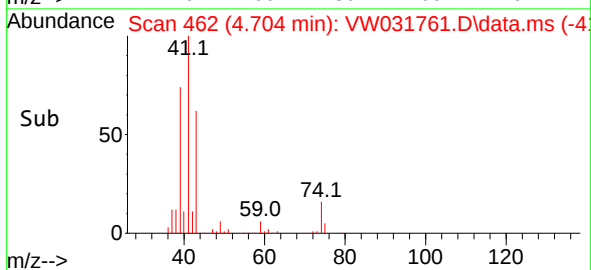
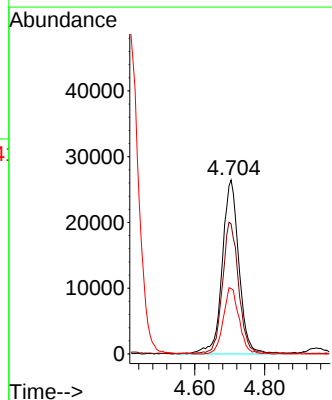
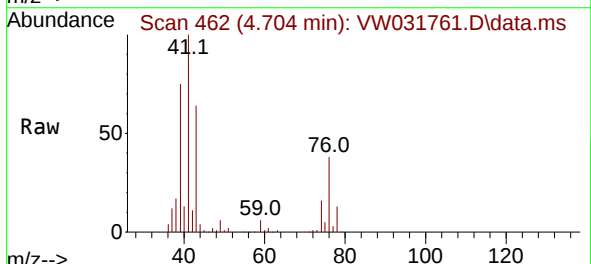
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Tgt Ion: 56 Resp: 34295  
Ion Ratio Lower Upper  
56 100  
55 70.5 54.0 81.0



#14  
Allyl chloride  
Concen: 20.087 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 41 Resp: 87725  
Ion Ratio Lower Upper  
41 100  
39 72.4 60.7 91.1  
76 35.8 30.3 45.5

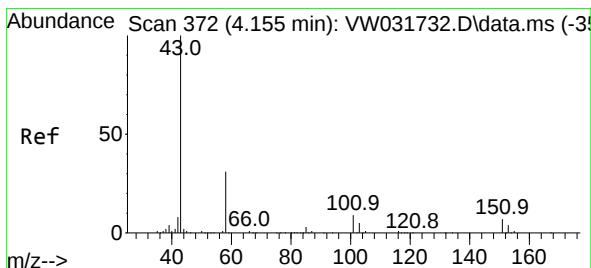
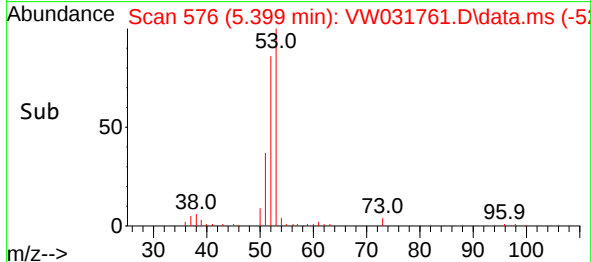
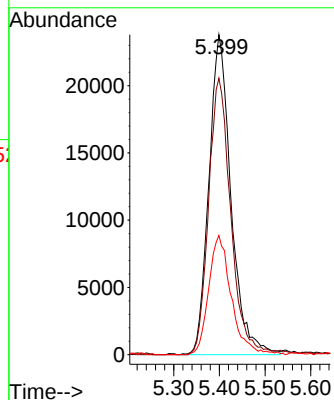
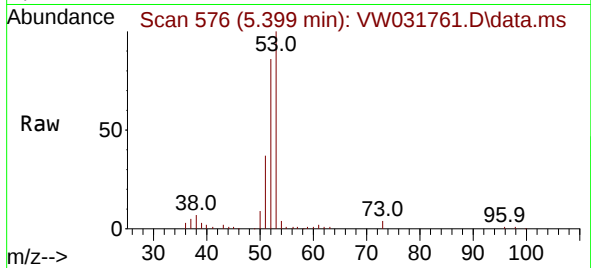




#15  
Acrylonitrile  
Concen: 91.385 ug/l  
RT: 5.399 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

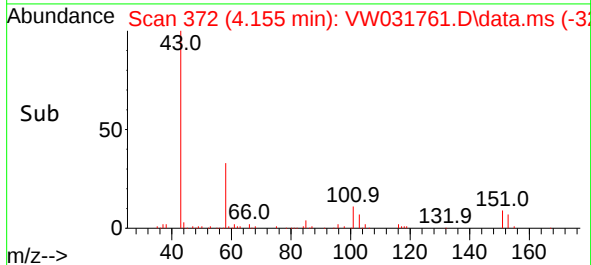
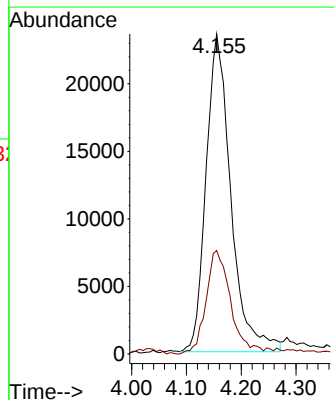
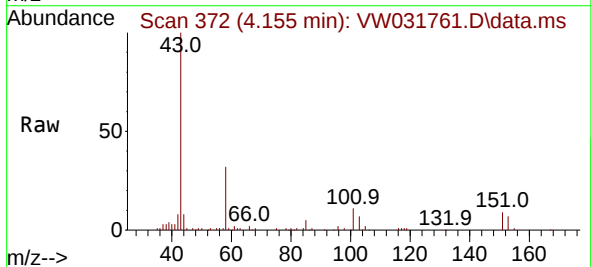
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

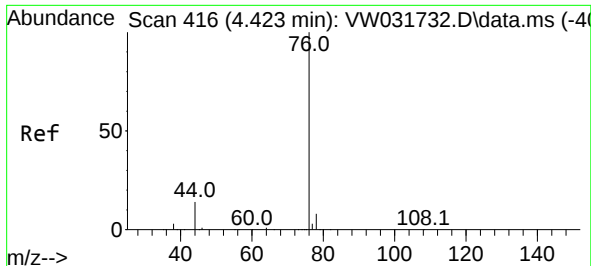
Tgt Ion: 53 Resp: 79947  
Ion Ratio Lower Upper  
53 100  
52 87.2 66.4 99.6  
51 38.1 29.9 44.9



#16  
Acetone  
Concen: 87.308 ug/l  
RT: 4.155 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 43 Resp: 73979  
Ion Ratio Lower Upper  
43 100  
58 32.5 24.8 37.2

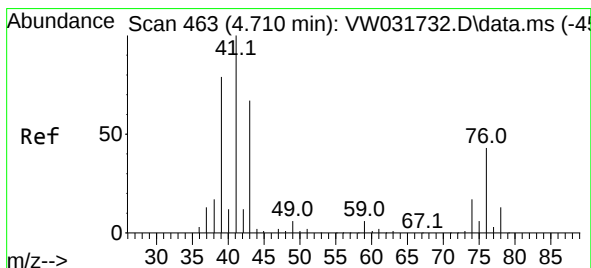
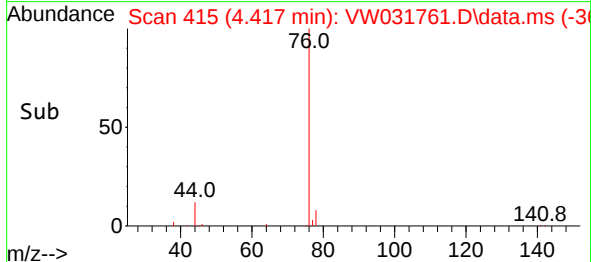
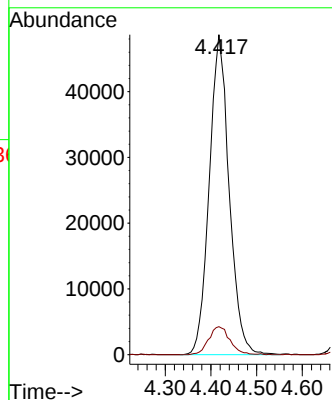
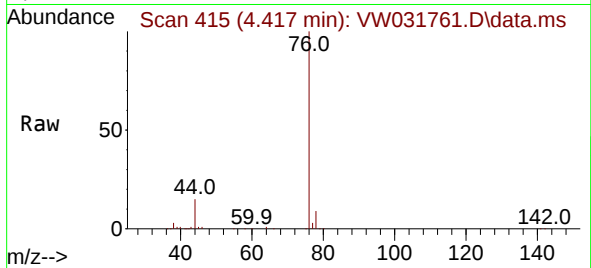




#17  
Carbon Disulfide  
Concen: 19.340 ug/l  
RT: 4.417 min Scan# 415  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

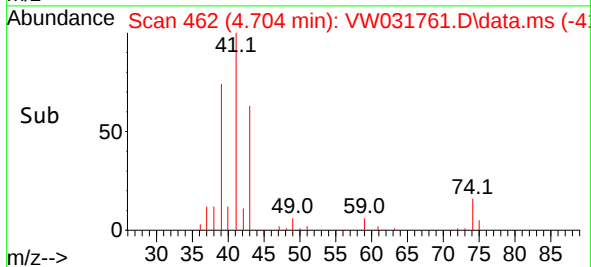
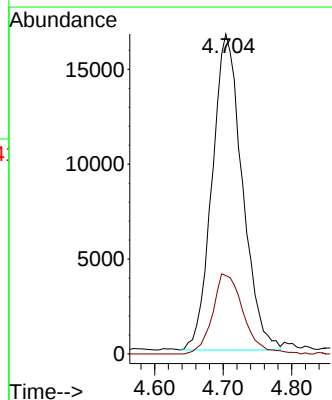
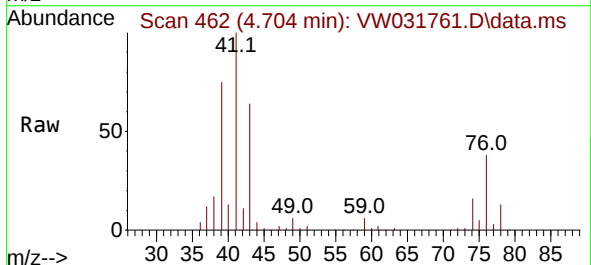
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Tgt Ion: 76 Resp: 147302  
Ion Ratio Lower Upper  
76 100  
78 8.8 6.6 10.0



#18  
Methyl Acetate  
Concen: 21.010 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 43 Resp: 50880  
Ion Ratio Lower Upper  
43 100  
74 25.9 20.6 30.8

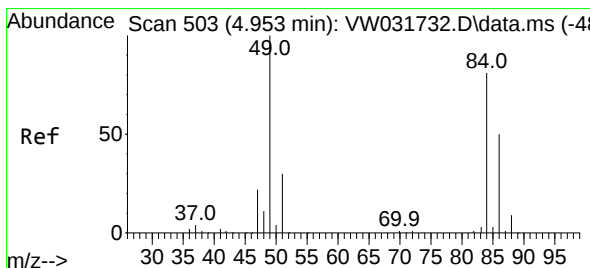
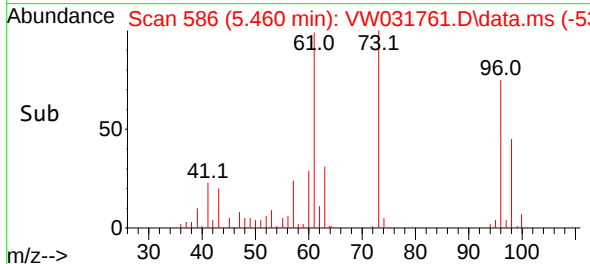
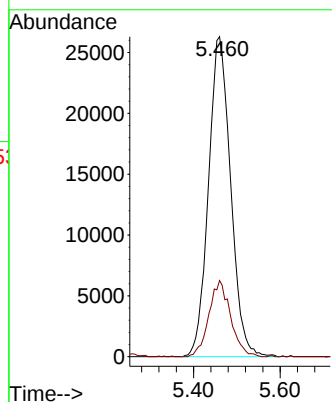
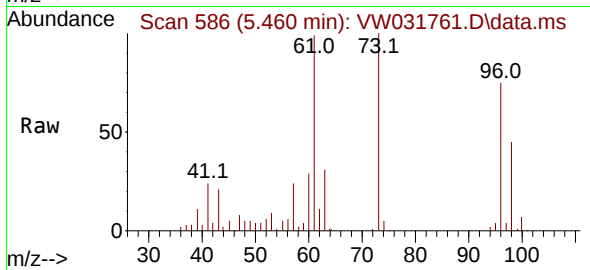




#19  
Methyl tert-butyl Ether  
Concen: 19.357 ug/l  
RT: 5.460 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

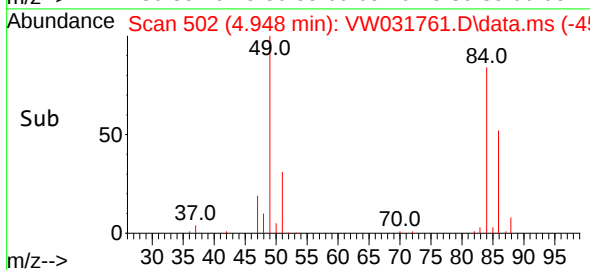
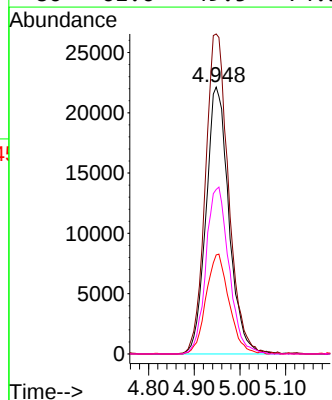
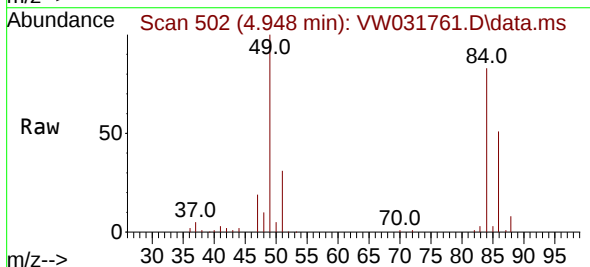
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

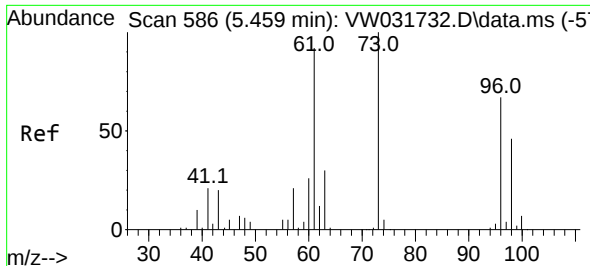
Tgt Ion: 73 Resp: 93515  
Ion Ratio Lower Upper  
73 100  
57 23.8 17.2 25.8



#20  
Methylene Chloride  
Concen: 19.814 ug/l  
RT: 4.948 min Scan# 502  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 84 Resp: 76933  
Ion Ratio Lower Upper  
84 100  
49 119.6 98.2 147.4  
51 37.1 29.8 44.8  
86 61.6 49.5 74.3

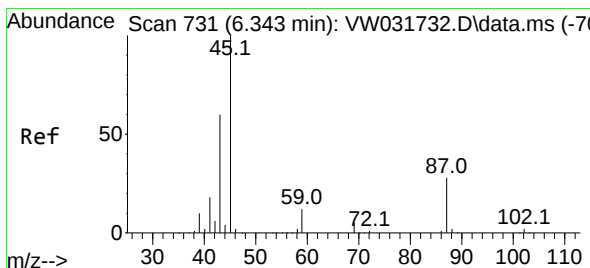
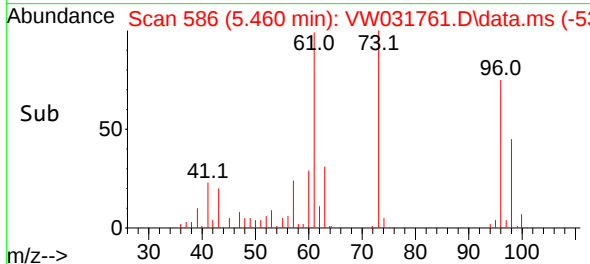
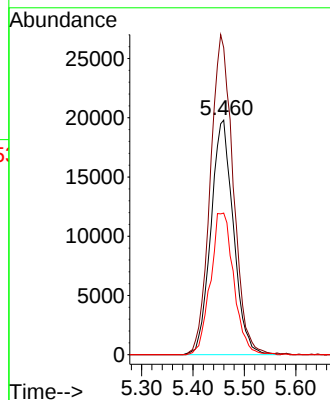
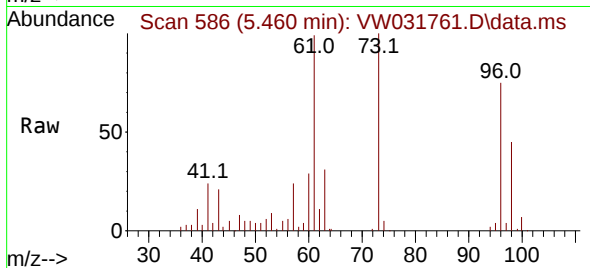




#21  
trans-1,2-Dichloroethene  
Concen: 19.934 ug/l  
RT: 5.460 min Scan# 586  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

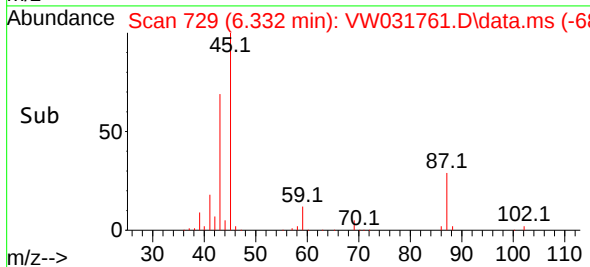
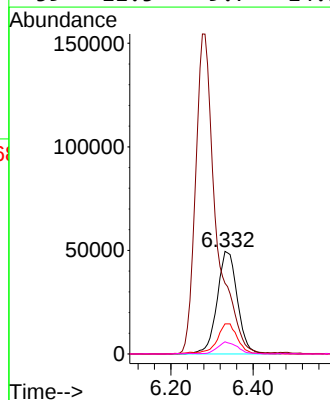
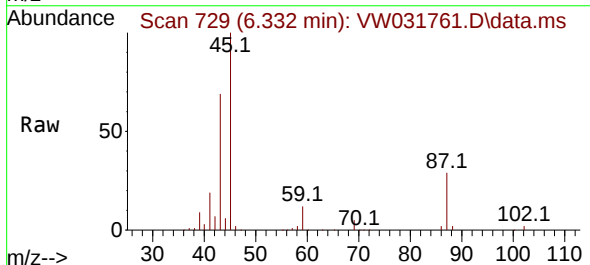
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Tgt Ion: 96 Resp: 60290  
Ion Ratio Lower Upper  
96 100  
61 130.8 109.8 164.6  
98 60.4 54.9 82.3



#22  
Diisopropyl ether  
Concen: 19.917 ug/l  
RT: 6.332 min Scan# 729  
Delta R.T. -0.012 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 45 Resp: 169639  
Ion Ratio Lower Upper  
45 100  
43 68.0 48.3 72.5  
87 29.2 22.6 34.0  
59 11.5 9.7 14.5

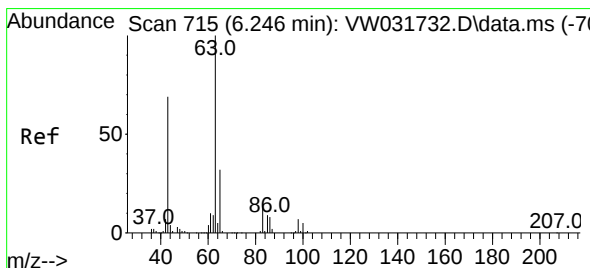
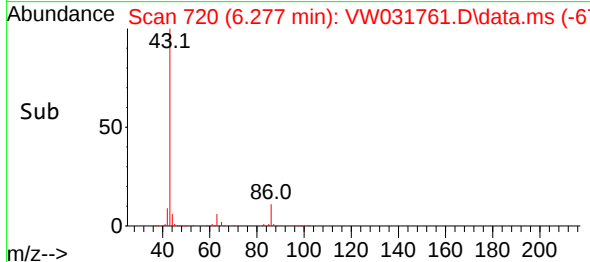
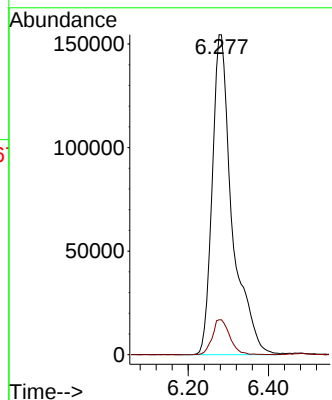
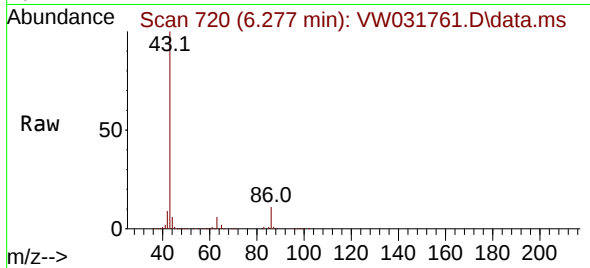




#23  
 Vinyl Acetate  
 Concen: 91.631 ug/l  
 RT: 6.277 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

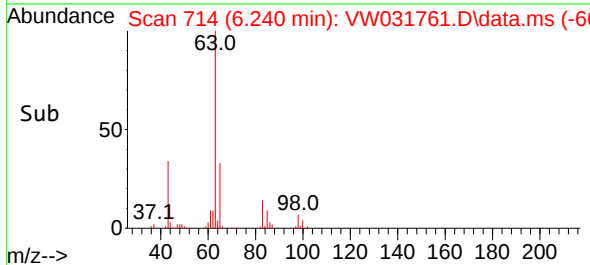
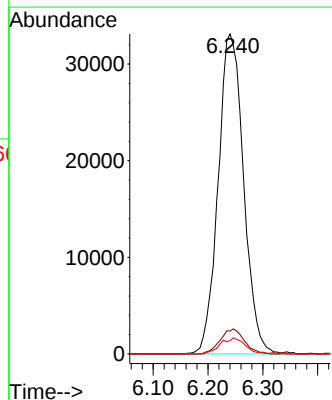
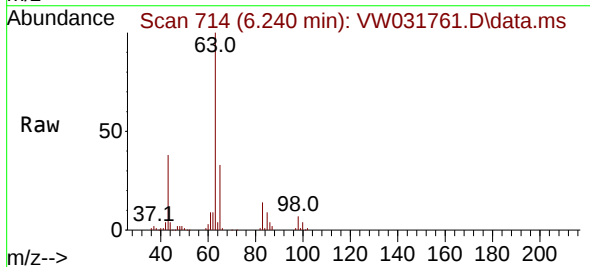
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

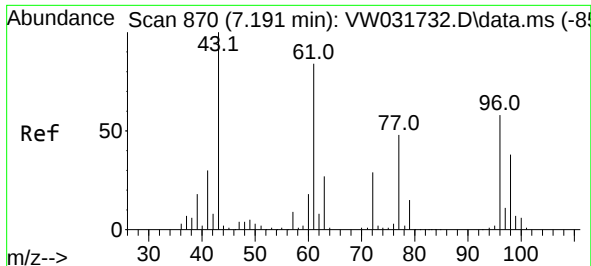
Tgt Ion: 43 Resp: 533080  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 9.2 13.8



#24  
 1,1-Dichloroethane  
 Concen: 19.349 ug/l  
 RT: 6.240 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion: 63 Resp: 106847  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 4.2 2.5 7.5

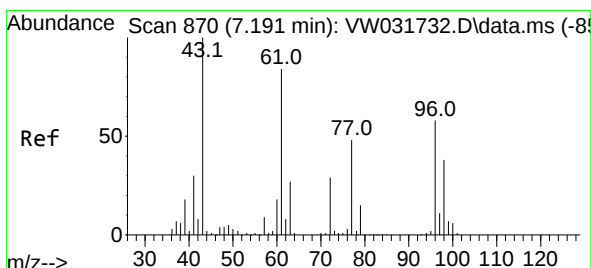
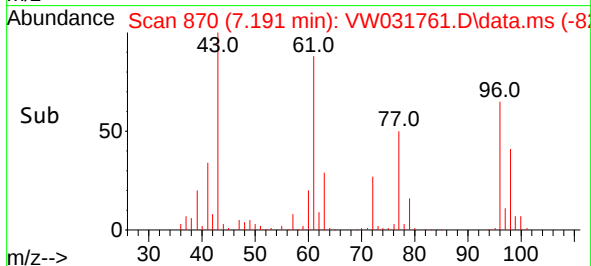
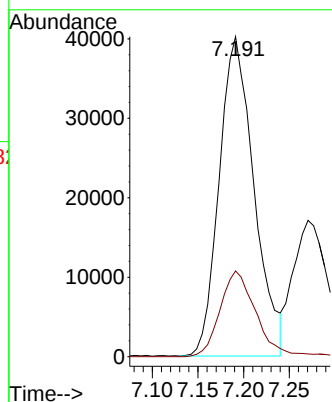
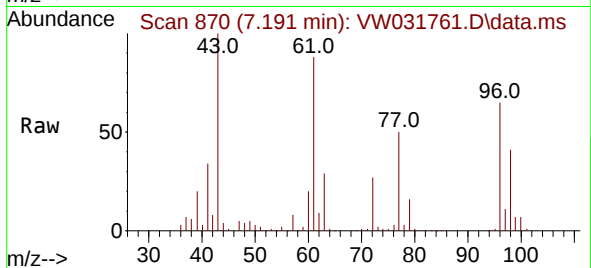




#25  
2-Butanone  
Concen: 96.793 ug/l  
RT: 7.191 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

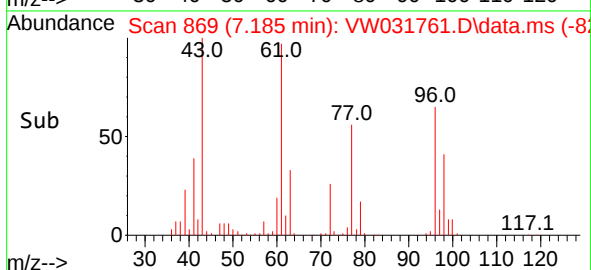
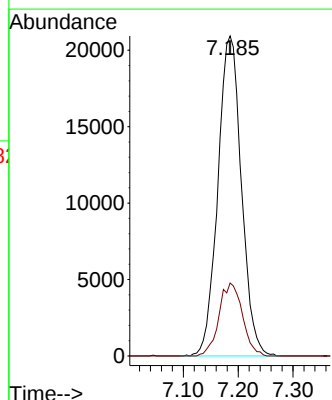
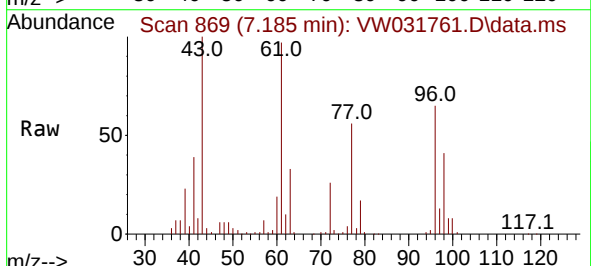
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

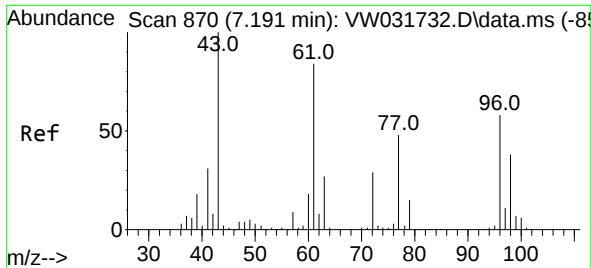
Tgt Ion: 43 Resp: 106700  
Ion Ratio Lower Upper  
43 100  
72 26.9 23.0 34.6



#26  
2,2-Dichloropropane  
Concen: 19.392 ug/l  
RT: 7.185 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 77 Resp: 62478  
Ion Ratio Lower Upper  
77 100  
97 22.7 11.6 34.7

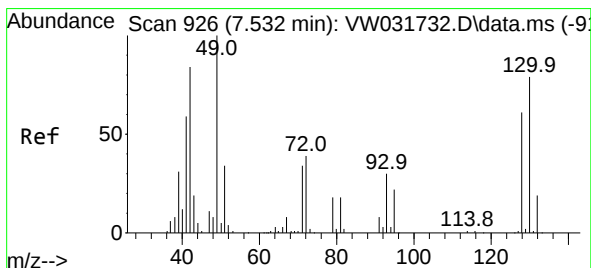
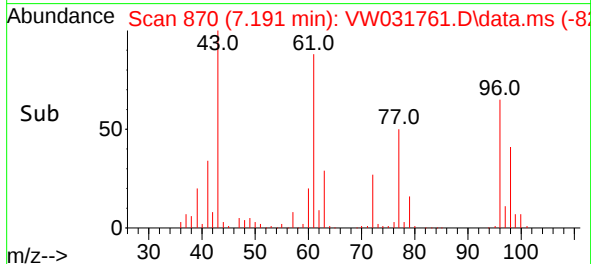
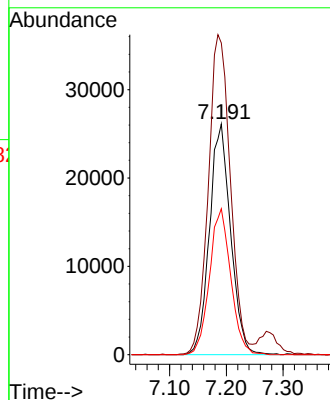
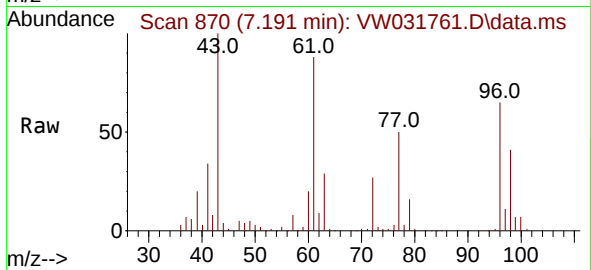




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.479 ug/l  
 RT: 7.191 min Scan# 870  
 Delta R.T. 0.000 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

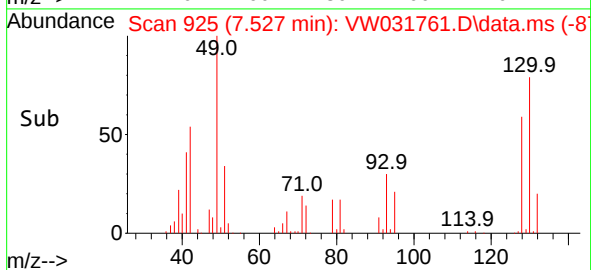
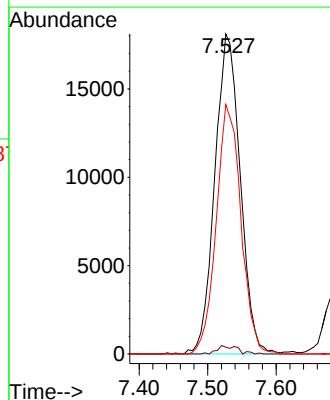
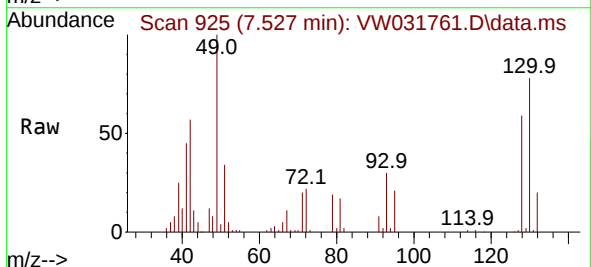
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

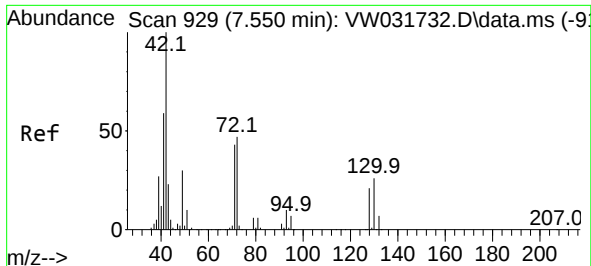
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 96 | Resp: 67721 |       |       |
| Ion Ratio   | Lower       | Upper |       |
| 96          | 100         |       |       |
| 61          | 144.7       | 0.0   | 286.8 |
| 98          | 63.5        | 0.0   | 130.4 |



#28  
 Bromochloromethane  
 Concen: 19.137 ug/l  
 RT: 7.527 min Scan# 925  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 46634 |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 2.1     | 0.0 2.4     |
| 130 75.6    | 61.3 91.9   |

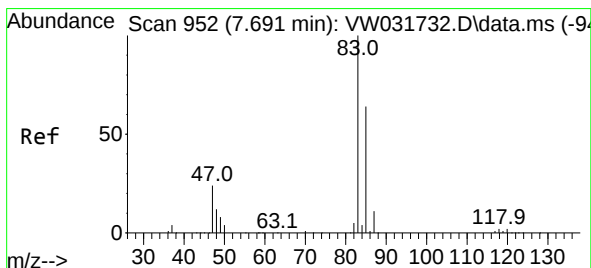
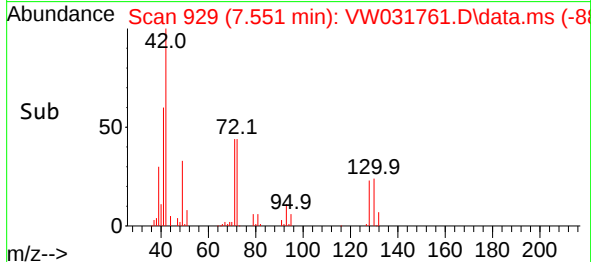
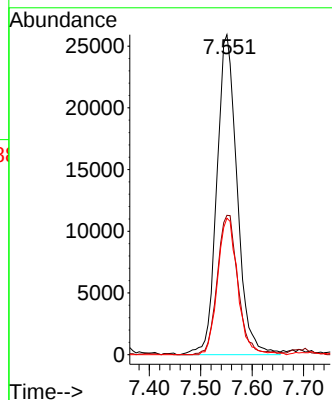
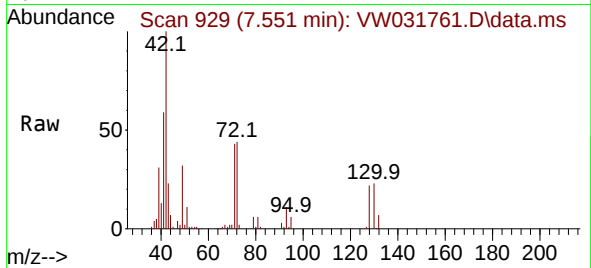




#29  
Tetrahydrofuran  
Concen: 94.432 ug/l  
RT: 7.551 min Scan# 912  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

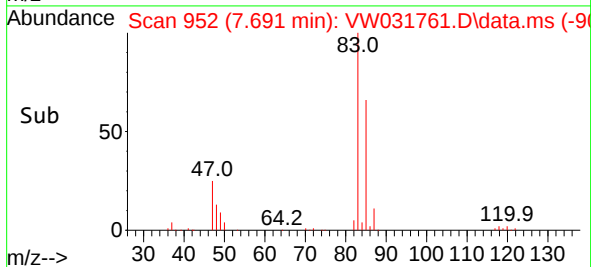
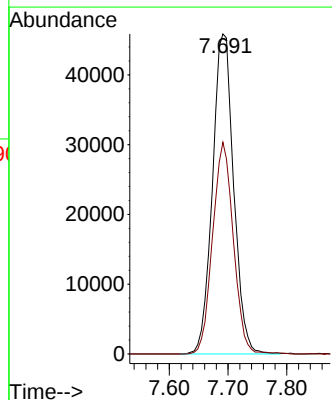
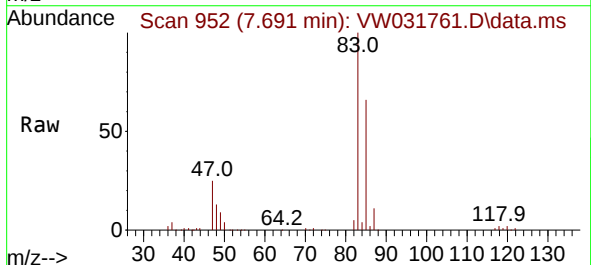
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

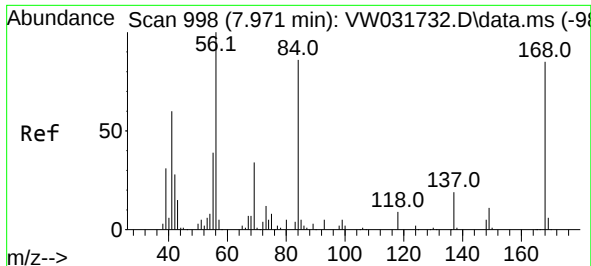
Tgt Ion: 42 Resp: 71289  
Ion Ratio Lower Upper  
42 100  
72 44.6 36.8 55.2  
71 42.2 34.6 52.0



#30  
Chloroform  
Concen: 19.586 ug/l  
RT: 7.691 min Scan# 952  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 83 Resp: 114924  
Ion Ratio Lower Upper  
83 100  
85 66.2 51.4 77.0

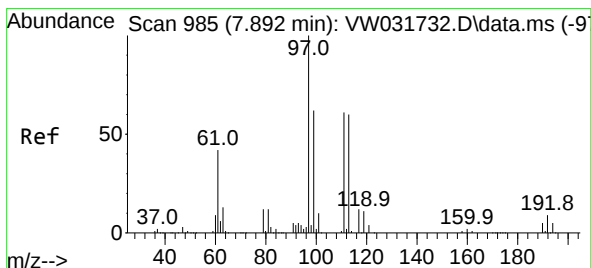
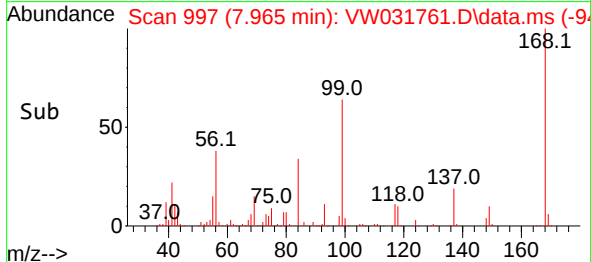
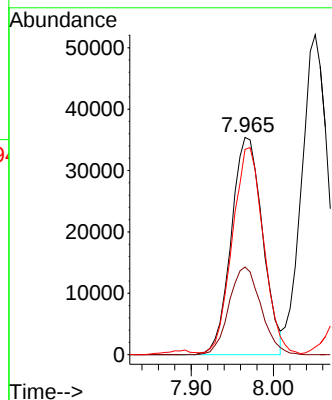
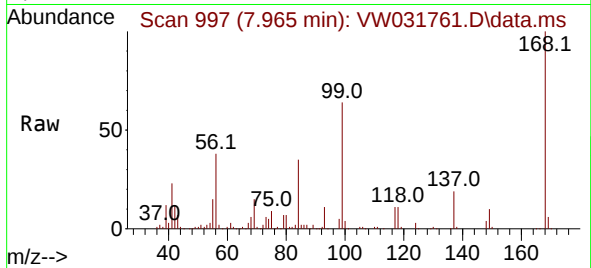




#31  
Cyclohexane  
Concen: 19.218 ug/l  
RT: 7.965 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

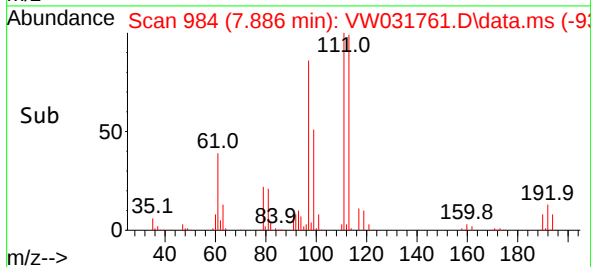
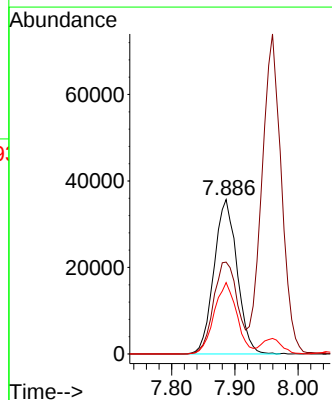
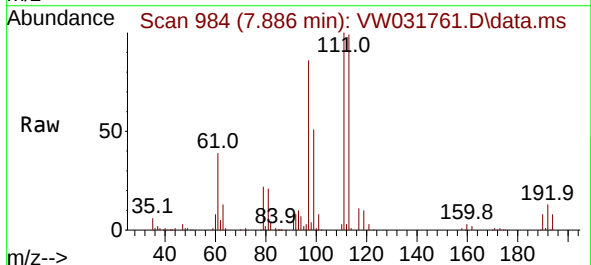
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

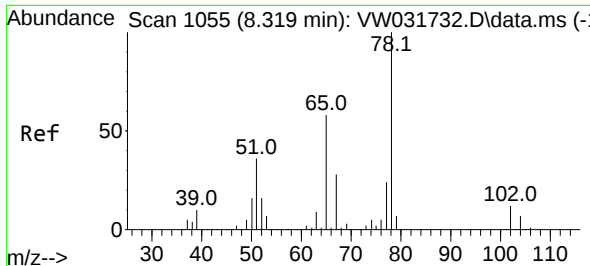
Tgt Ion: 56 Resp: 93809  
Ion Ratio Lower Upper  
56 100  
69 40.3 27.2 40.8  
84 92.7 68.5 102.7



#32  
1,1,1-Trichloroethane  
Concen: 19.983 ug/l  
RT: 7.886 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 97 Resp: 90361  
Ion Ratio Lower Upper  
97 100  
99 61.4 51.0 76.6  
61 45.4 36.0 54.0

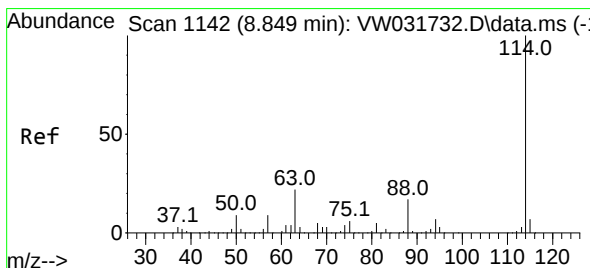
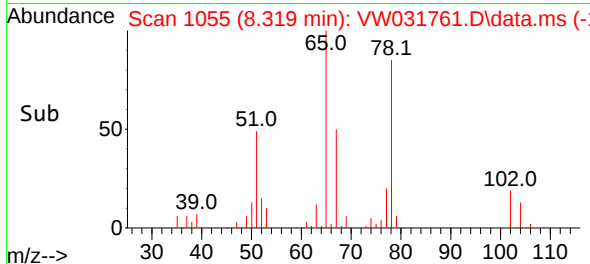
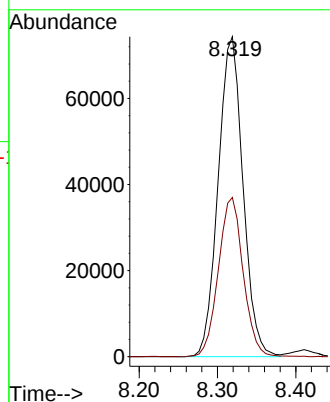
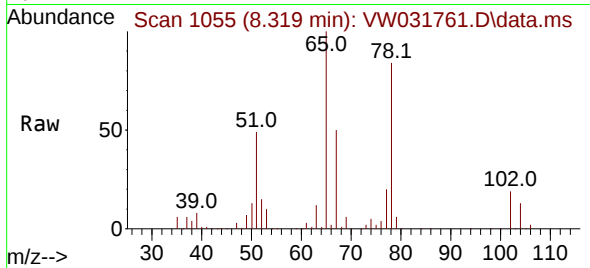




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.753 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

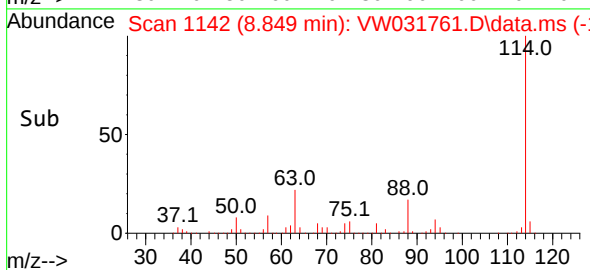
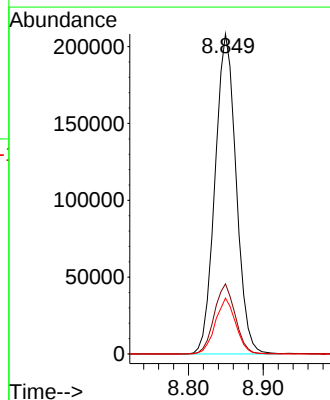
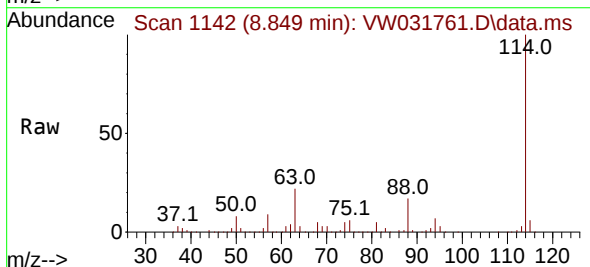
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

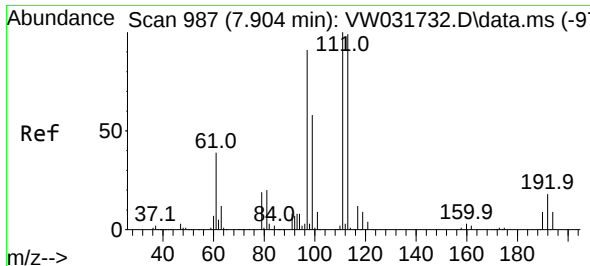
Tgt Ion: 65 Resp: 163705  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. 0.000 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion: 114 Resp: 409551  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 43.6  
 88 17.5 0.0 34.2

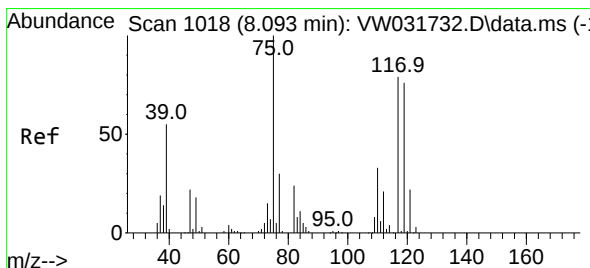
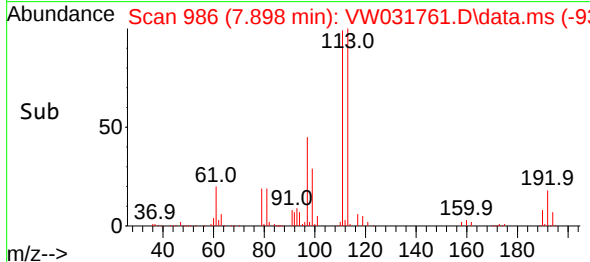
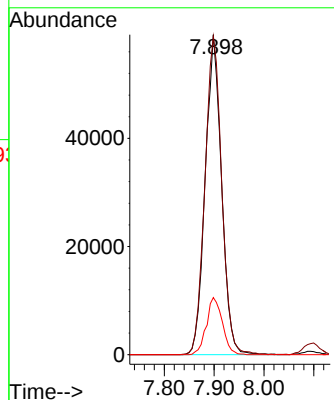
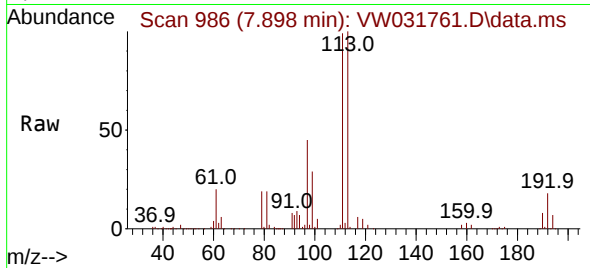




#35  
 Dibromofluoromethane  
 Concen: 50.295 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

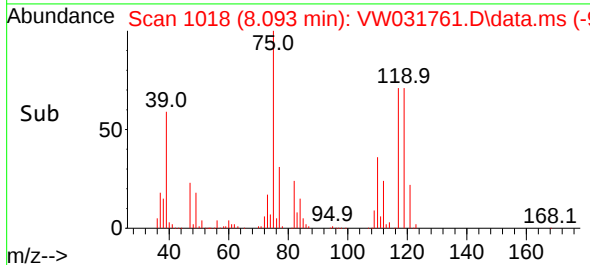
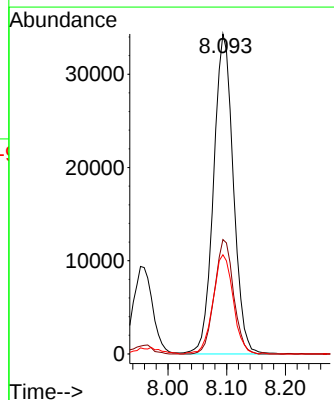
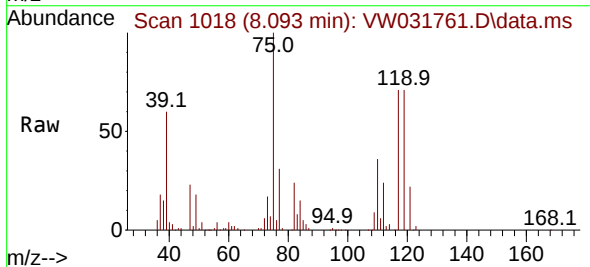
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

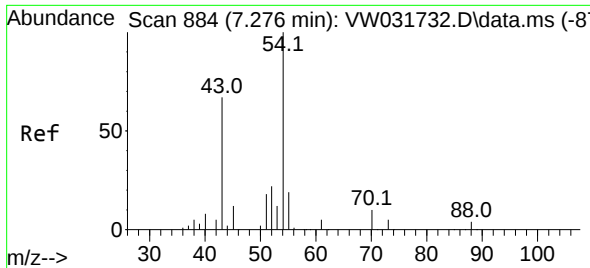
Tgt Ion:113 Resp: 134414  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 82.1 123.1  
 192 17.5 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 20.756 ug/l  
 RT: 8.093 min Scan# 1018  
 Delta R.T. 0.000 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion: 75 Resp: 80267  
 Ion Ratio Lower Upper  
 75 100  
 110 34.5 16.8 50.4  
 77 31.7 25.0 37.6

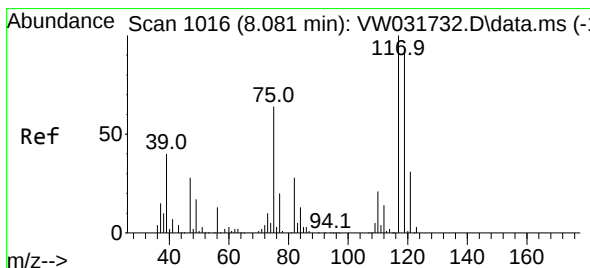
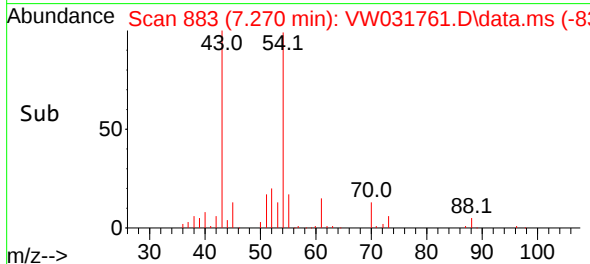
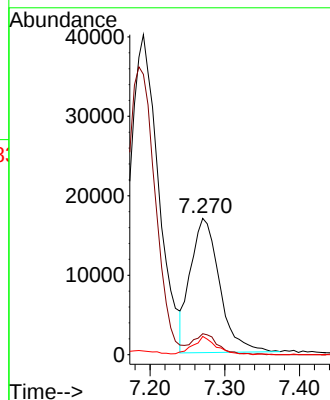
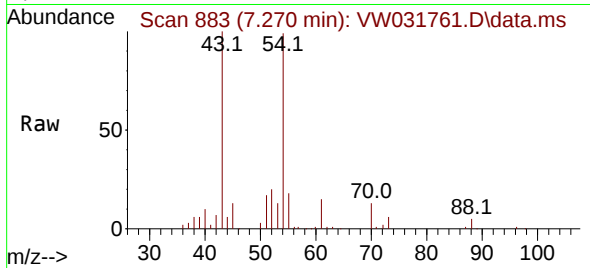




#37  
Ethyl Acetate  
Concen: 18.742 ug/l  
RT: 7.270 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

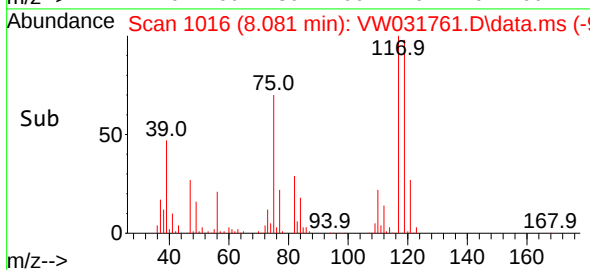
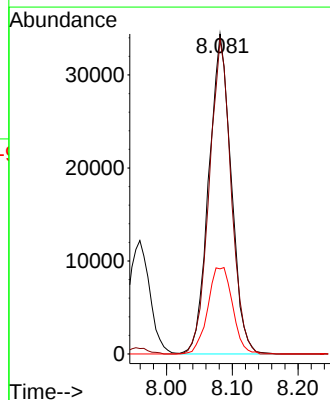
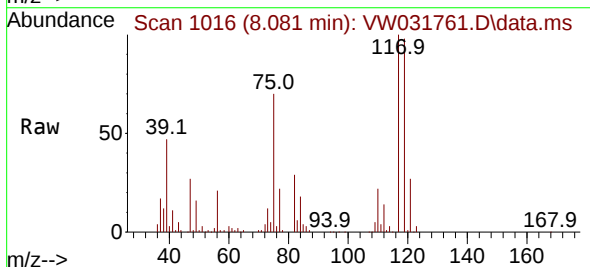
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

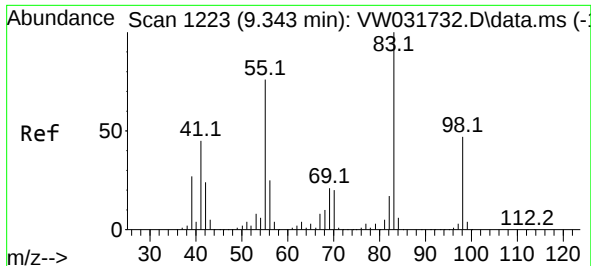
Tgt Ion: 43 Resp: 45722  
Ion Ratio Lower Upper  
43 100  
61 13.6 10.9 16.3  
70 10.8 9.2 13.8



#38  
Carbon Tetrachloride  
Concen: 20.643 ug/l  
RT: 8.081 min Scan# 1016  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 117 Resp: 81352  
Ion Ratio Lower Upper  
117 100  
119 98.2 75.0 112.6  
121 26.6 24.6 37.0





#39

Methylcyclohexane

Concen: 20.865 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

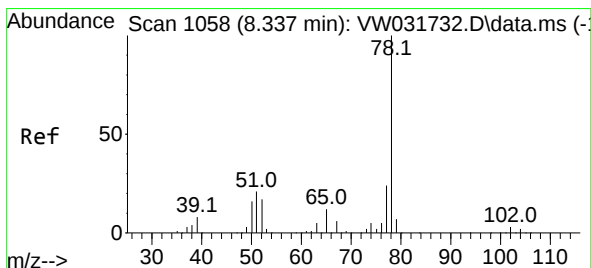
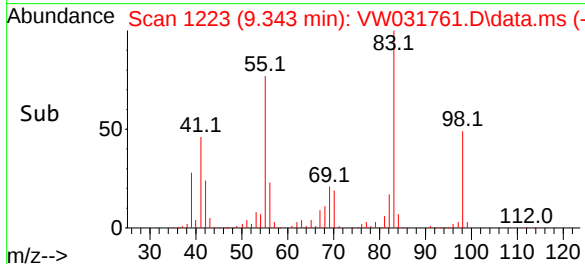
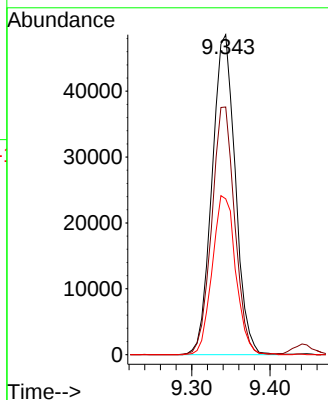
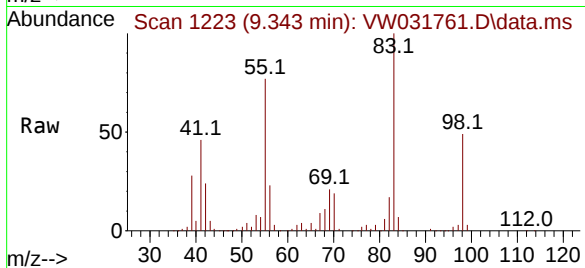
Tgt Ion: 83 Resp: 100392

Ion Ratio Lower Upper

83 100

55 77.4 61.0 91.4

98 48.7 37.9 56.9



#40

Benzene

Concen: 21.010 ug/l

RT: 8.331 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VW031761.D

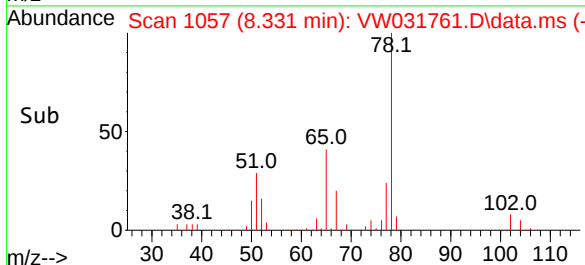
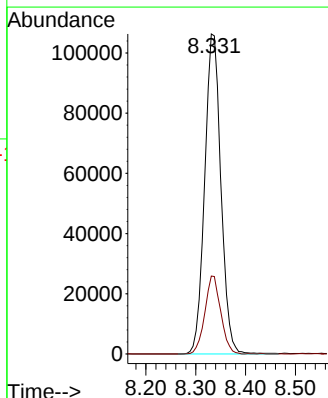
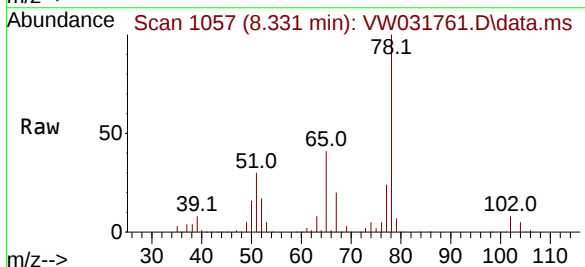
Acq: 03 Jul 2025 11:39

Tgt Ion: 78 Resp: 240384

Ion Ratio Lower Upper

78 100

77 24.3 19.2 28.8

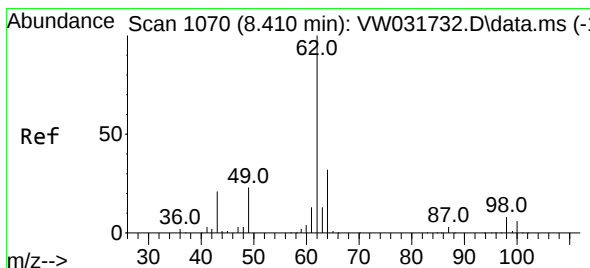
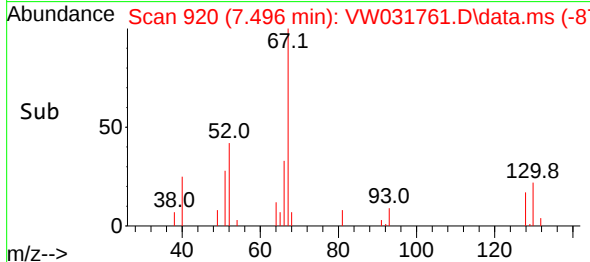
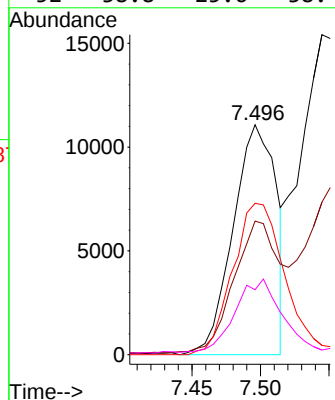
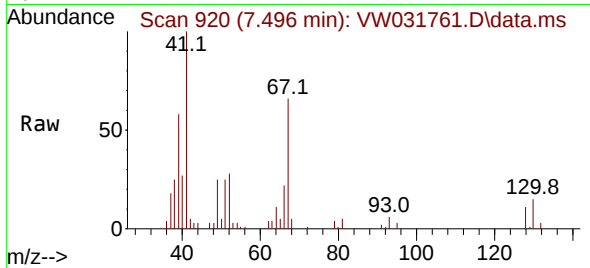




#41  
Methacrylonitrile  
Concen: 18.548 ug/l  
RT: 7.496 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

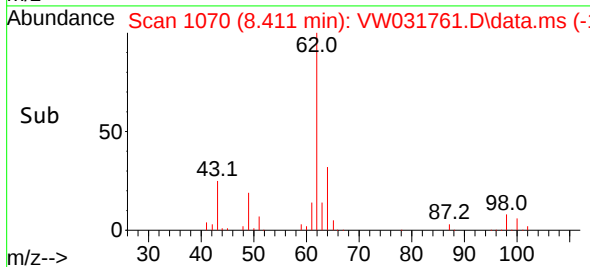
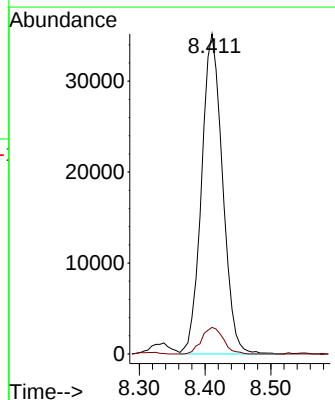
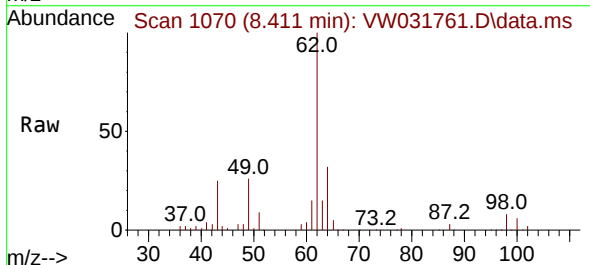
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

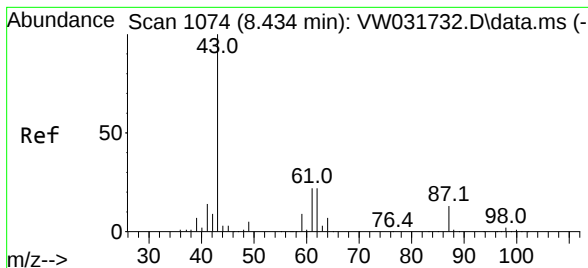
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 24240 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 63.0  | 43.2  | 64.8  |
| 67       | 80.6  | 58.1  | 87.1  |
| 52       | 38.8  | 25.6  | 38.4  |



#42  
1,2-Dichloroethane  
Concen: 20.255 ug/l  
RT: 8.411 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 78305 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 17.2  |





#43

Isopropyl Acetate

Concen: 19.661 ug/l

RT: 8.435 min Scan# 1074

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

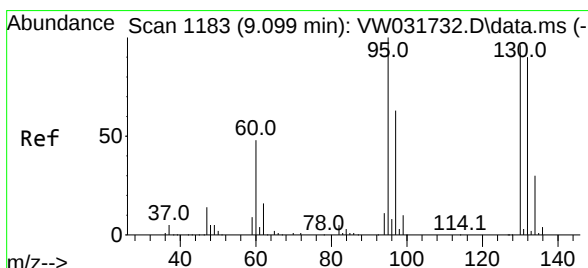
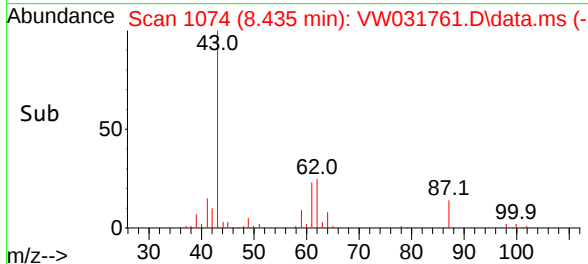
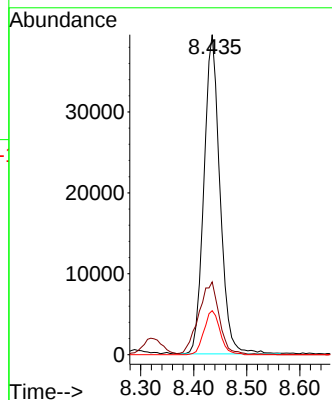
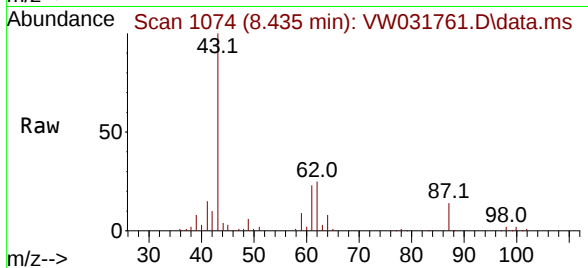
Tgt Ion: 43 Resp: 82680

Ion Ratio Lower Upper

43 100

61 28.9 23.1 34.7

87 13.8 10.8 16.2



#44

Trichloroethene

Concen: 20.870 ug/l

RT: 9.099 min Scan# 1183

Delta R.T. 0.000 min

Lab File: VW031761.D

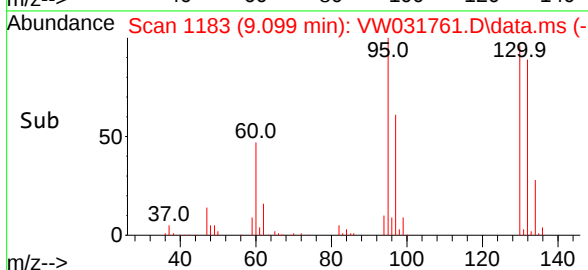
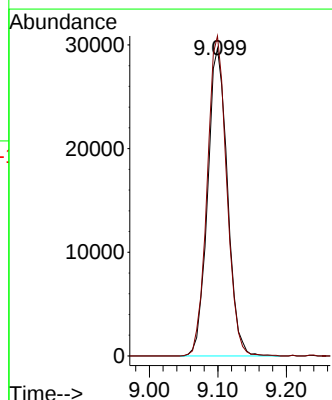
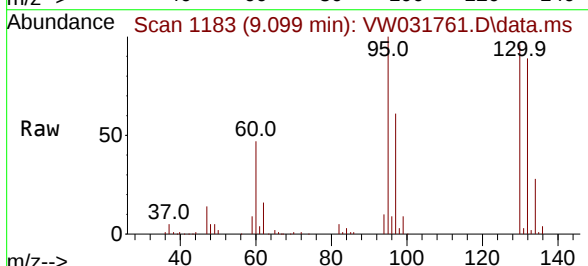
Acq: 03 Jul 2025 11:39

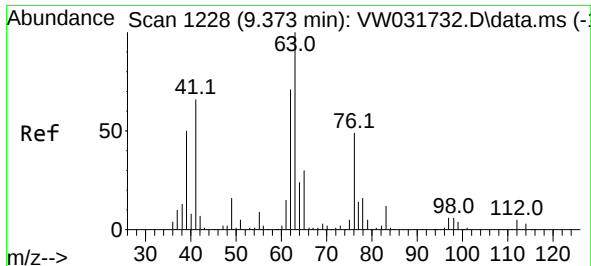
Tgt Ion:130 Resp: 59600

Ion Ratio Lower Upper

130 100

95 104.1 0.0 208.6





#45

1,2-Dichloropropane

Concen: 20.599 ug/l

RT: 9.374 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

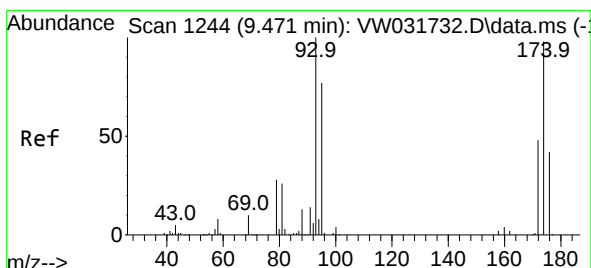
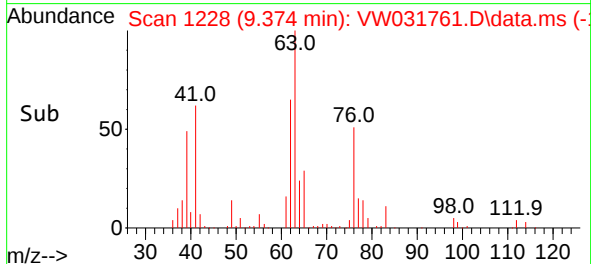
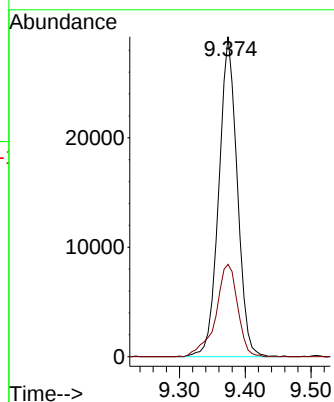
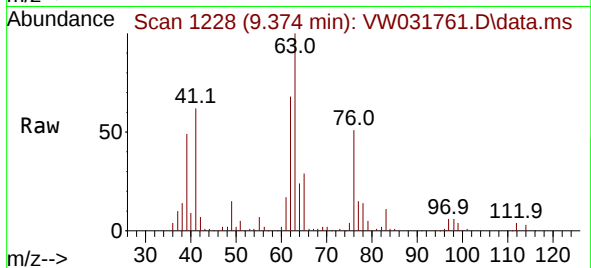
VW0703SBS01

Tgt Ion: 63 Resp: 56963

Ion Ratio Lower Upper

63 100

65 28.9 24.2 36.4



#46

Dibromomethane

Concen: 20.217 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

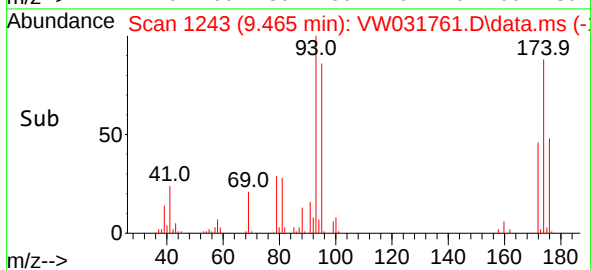
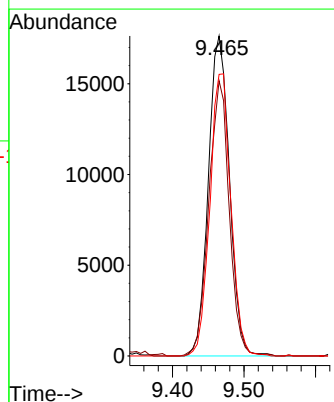
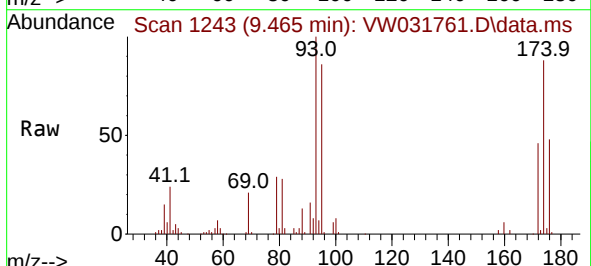
Tgt Ion: 93 Resp: 36094

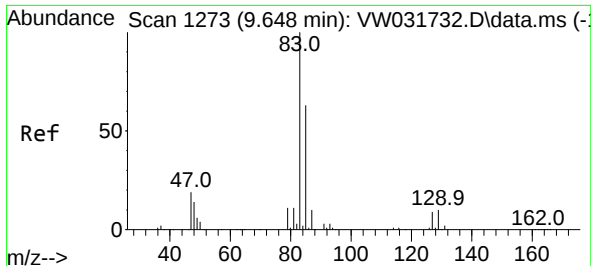
Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.4

174 87.9 71.7 107.5

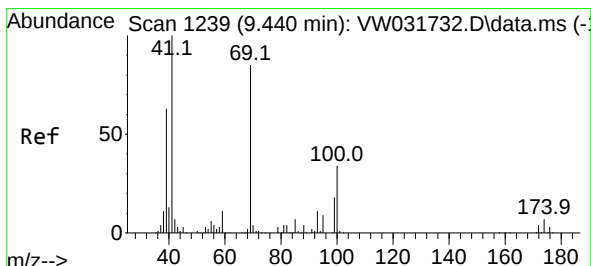
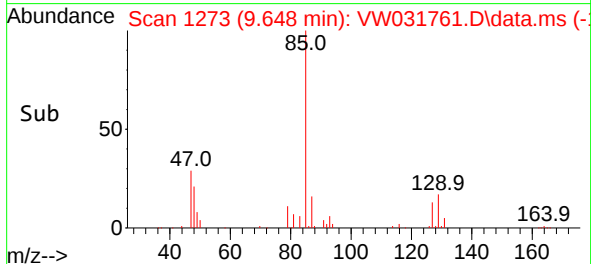
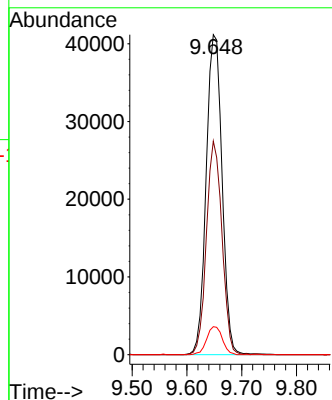
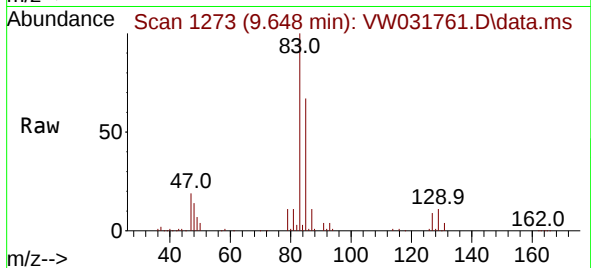




#47  
Bromodichloromethane  
Concen: 19.737 ug/l  
RT: 9.648 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

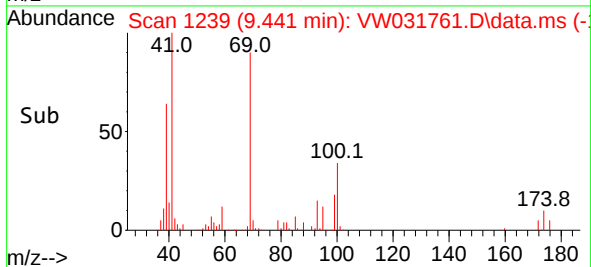
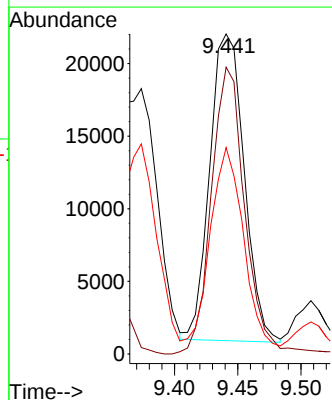
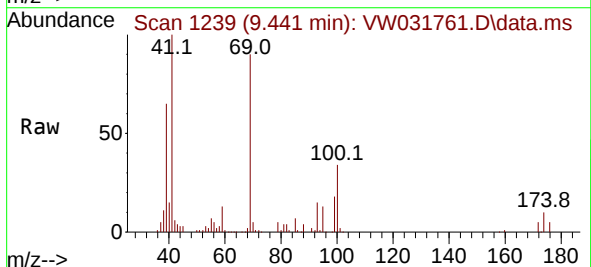
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

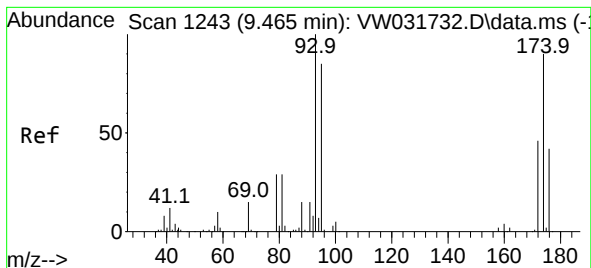
Tgt Ion: 83 Resp: 82627  
Ion Ratio Lower Upper  
83 100  
85 66.8 50.8 76.2  
127 8.8 6.8 10.2



#48  
Methyl methacrylate  
Concen: 19.310 ug/l  
RT: 9.441 min Scan# 1239  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 41 Resp: 39928  
Ion Ratio Lower Upper  
41 100  
69 91.7 71.6 107.4  
39 66.7 49.5 74.3





#49

1,4-Dioxane

Concen: 386.525 ug/l

RT: 9.459 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

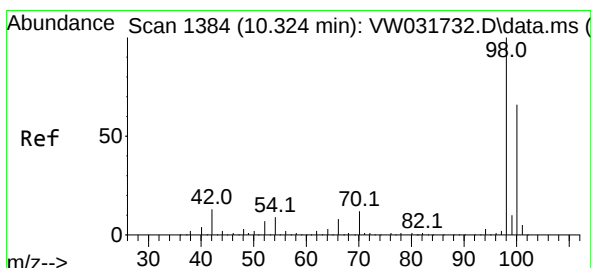
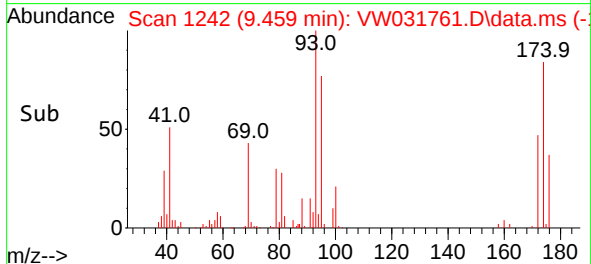
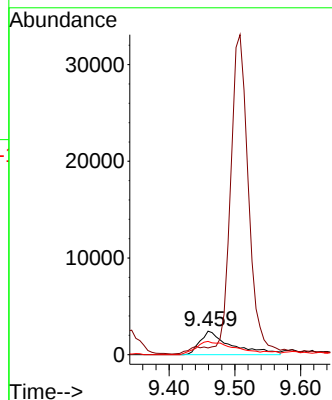
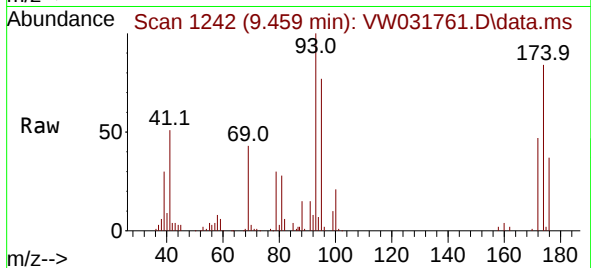
Tgt Ion: 88 Resp: 8082

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 67.4 58.3 87.5



#50

Toluene-d8

Concen: 51.250 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031761.D

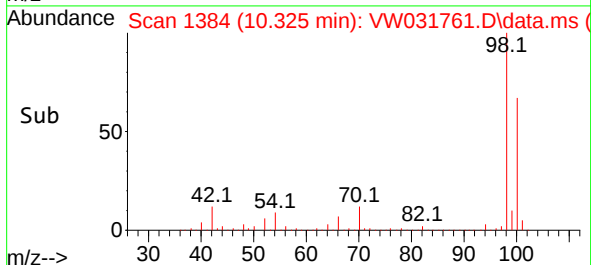
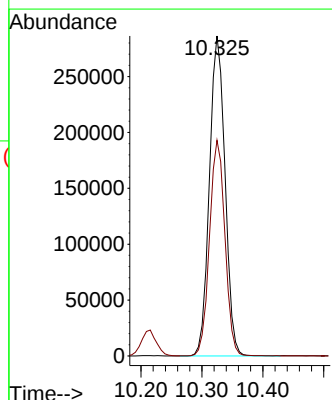
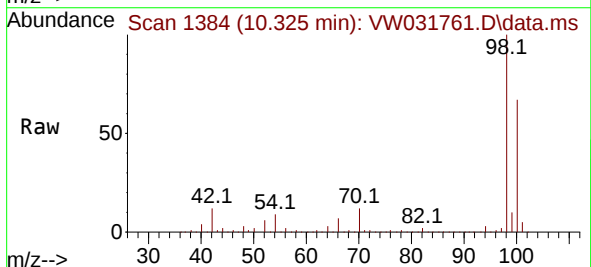
Acq: 03 Jul 2025 11:39

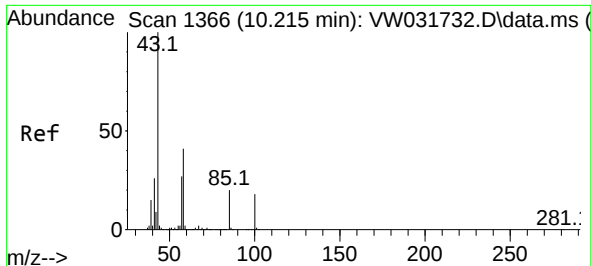
Tgt Ion: 98 Resp: 509701

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4

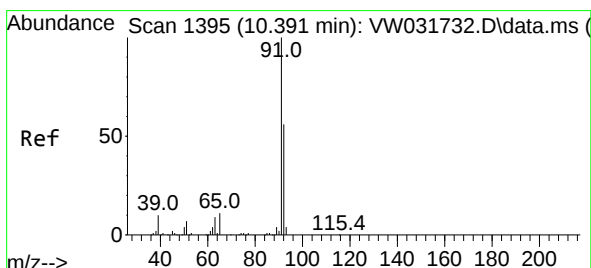
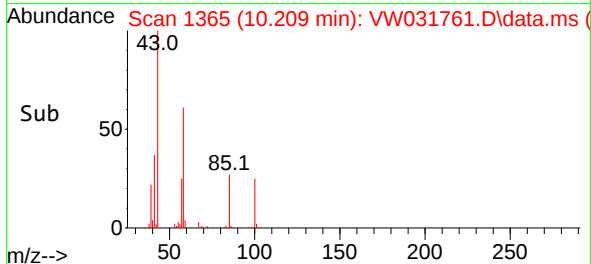
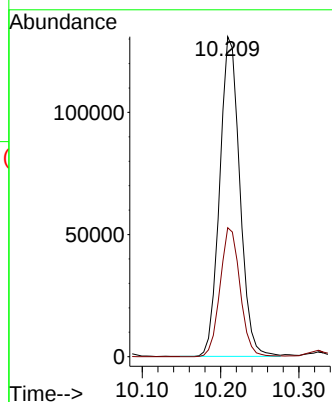
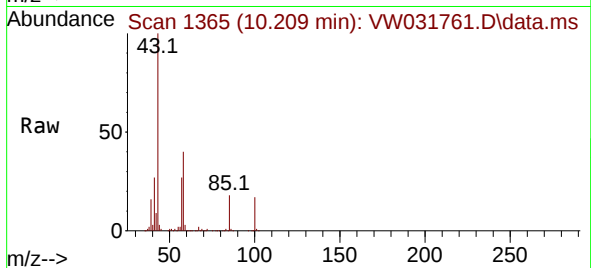




#51  
4-Methyl-2-Pentanone  
Concen: 96.894 ug/l  
RT: 10.209 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

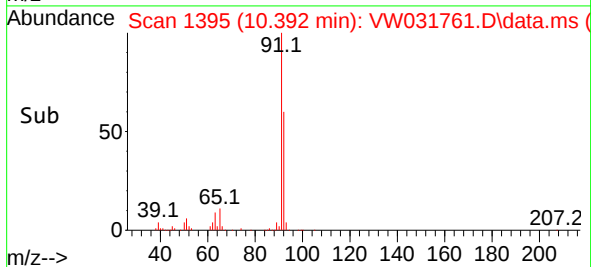
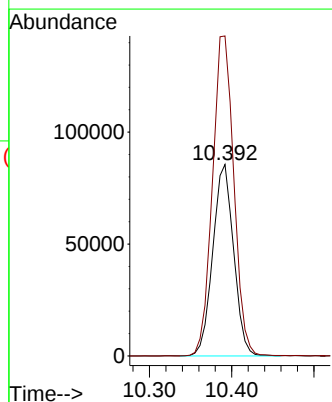
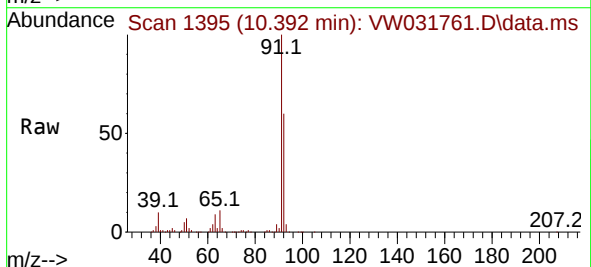
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Tgt Ion: 43 Resp: 234253  
Ion Ratio Lower Upper  
43 100  
58 40.2 32.2 48.2



#52  
Toluene  
Concen: 20.589 ug/l  
RT: 10.392 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 92 Resp: 150829  
Ion Ratio Lower Upper  
92 100  
91 171.5 139.5 209.3

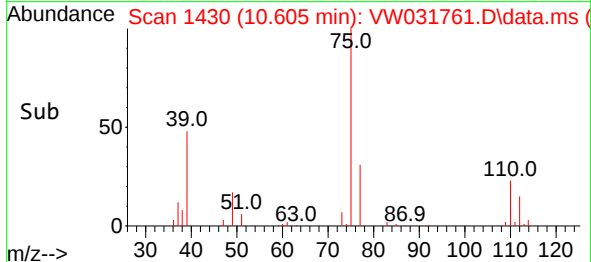
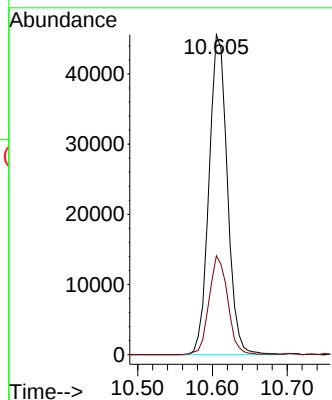
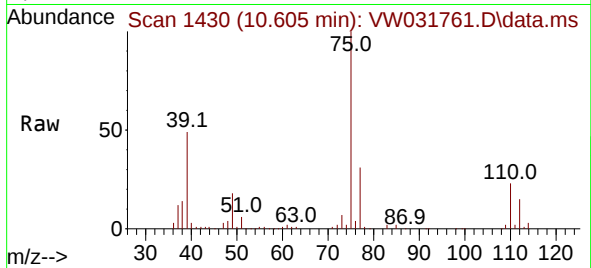




#53  
 t-1,3-Dichloropropene  
 Concen: 19.797 ug/l  
 RT: 10.605 min Scan# 1430  
 Delta R.T. -0.006 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

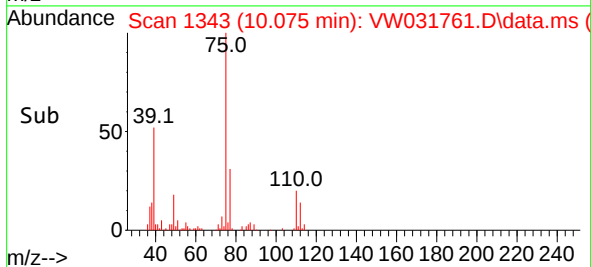
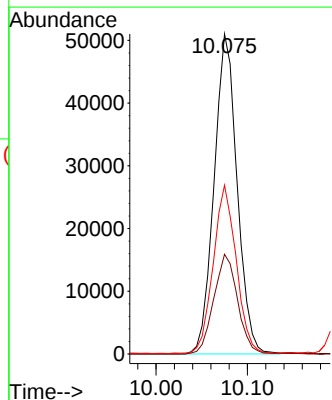
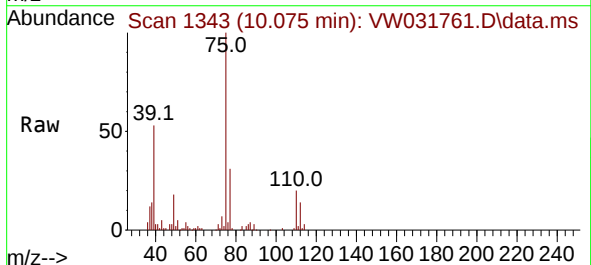
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0703SBS01

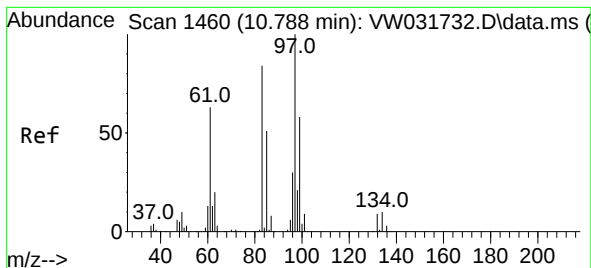
Tgt Ion: 75 Resp: 77761  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.3 36.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.037 ug/l  
 RT: 10.075 min Scan# 1343  
 Delta R.T. 0.000 min  
 Lab File: VW031761.D  
 Acq: 03 Jul 2025 11:39

Tgt Ion: 75 Resp: 89224  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.4 38.2  
 39 52.5 41.8 62.6

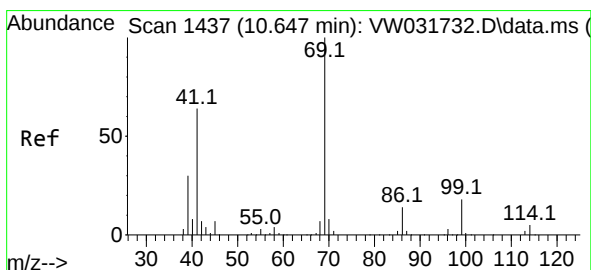
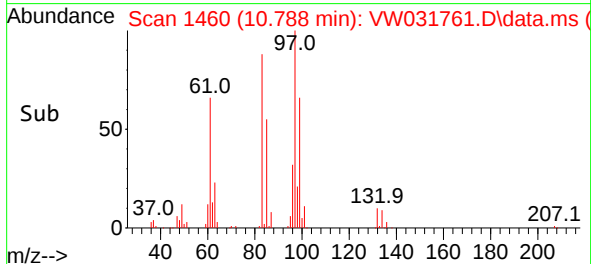
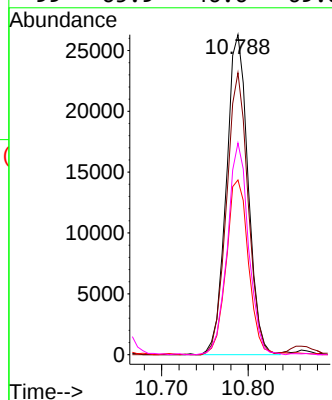
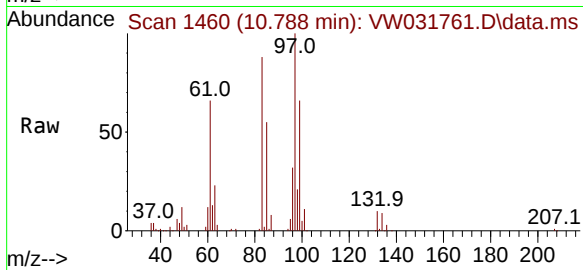




#55  
1,1,2-Trichloroethane  
Concen: 19.650 ug/l  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

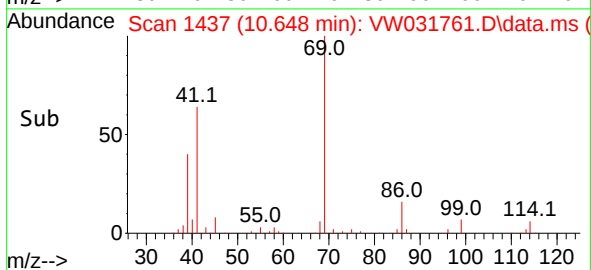
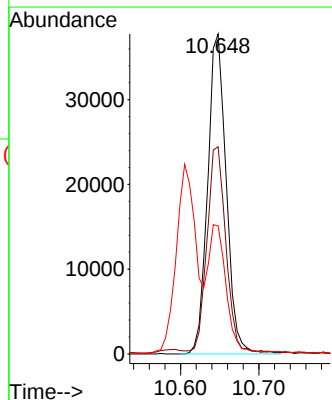
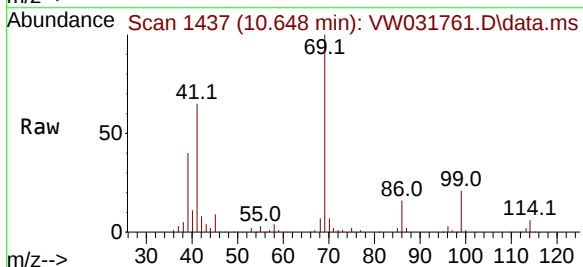
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 45953 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.1  | 66.9  | 100.3 |
| 85       | 54.6  | 41.1  | 61.7  |
| 99       | 65.9  | 46.6  | 69.8  |



#56  
Ethyl methacrylate  
Concen: 19.630 ug/l  
RT: 10.648 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 62280 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.9  | 53.3  | 79.9  |
| 39       | 36.9  | 30.2  | 45.2  |





#57

1,3-Dichloropropane

Concen: 20.292 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

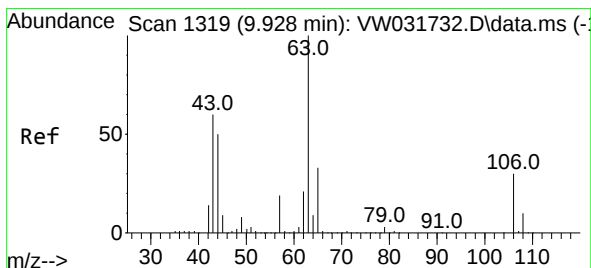
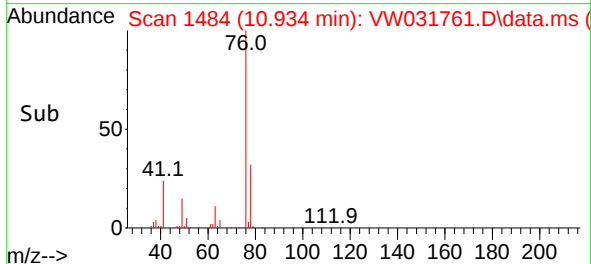
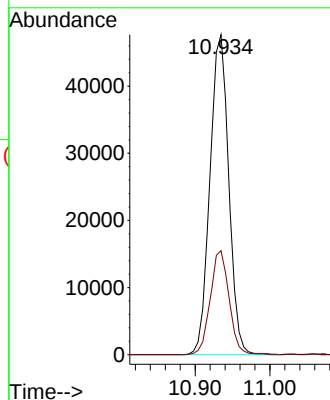
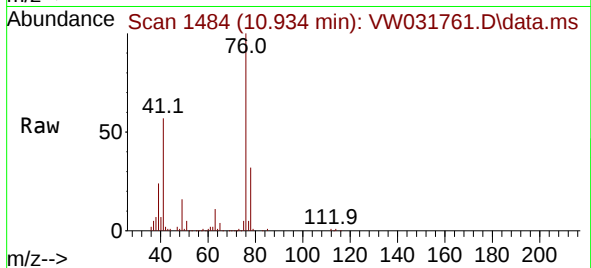
VW0703SBS01

Tgt Ion: 76 Resp: 83317

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 100.510 ug/l

RT: 9.929 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031761.D

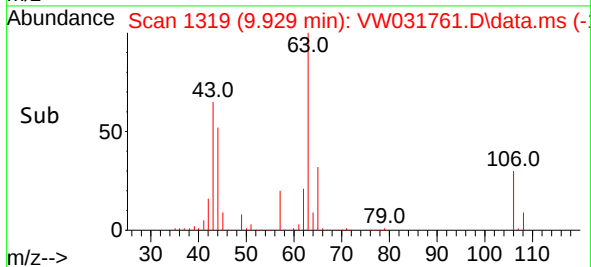
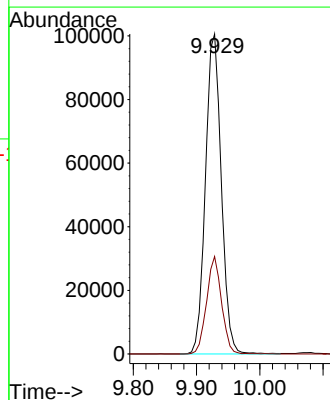
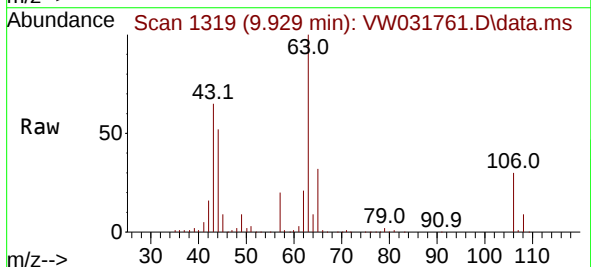
Acq: 03 Jul 2025 11:39

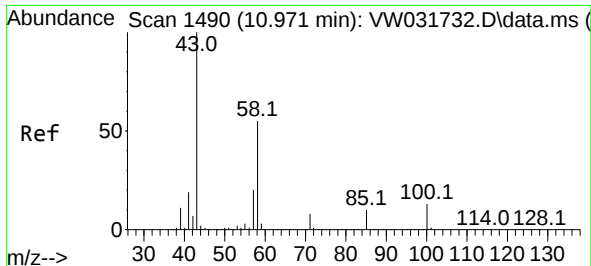
Tgt Ion: 63 Resp: 175594

Ion Ratio Lower Upper

63 100

106 28.8 24.1 36.1

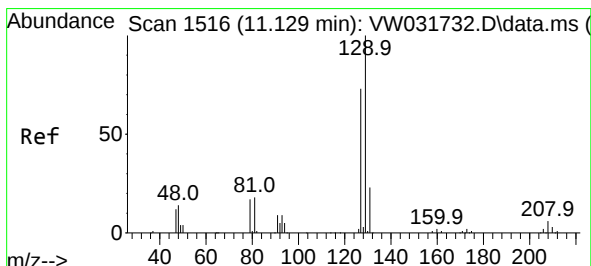
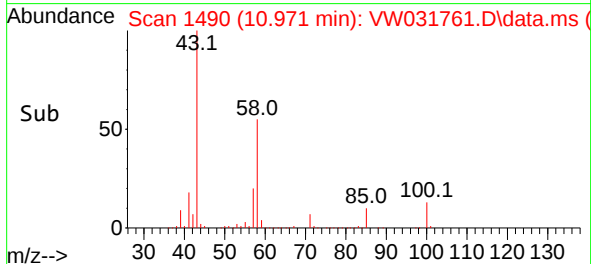
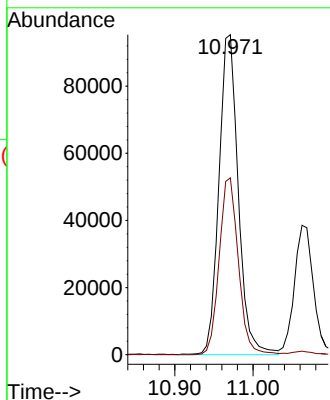
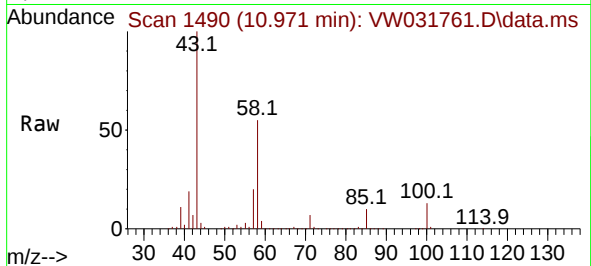




#59  
2-Hexanone  
Concen: 99.988 ug/l  
RT: 10.971 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

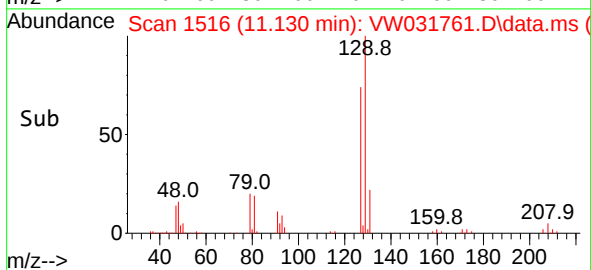
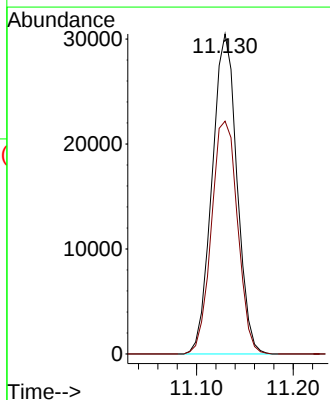
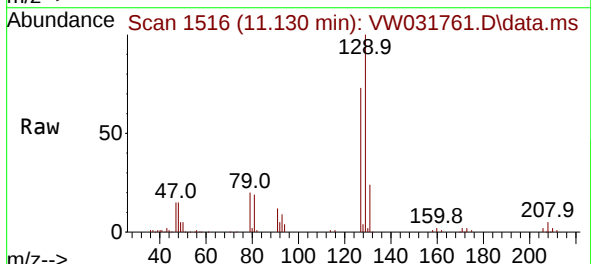
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

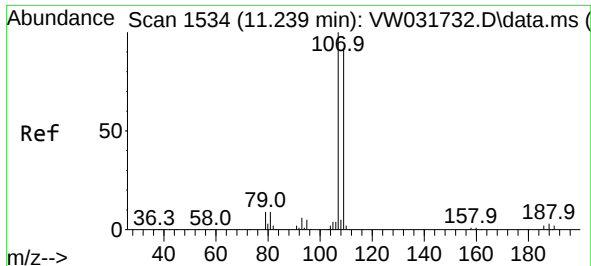
Tgt Ion: 43 Resp: 163809  
Ion Ratio Lower Upper  
43 100  
58 54.7 27.9 83.6



#60  
Dibromochloromethane  
Concen: 19.469 ug/l  
RT: 11.130 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 129 Resp: 54445  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.0 114.1

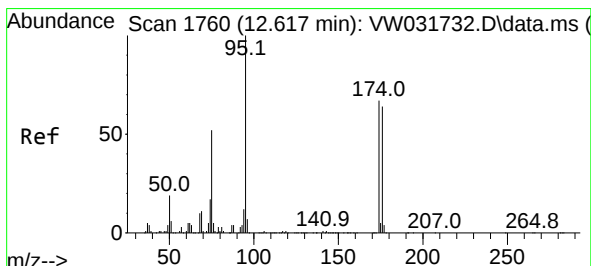
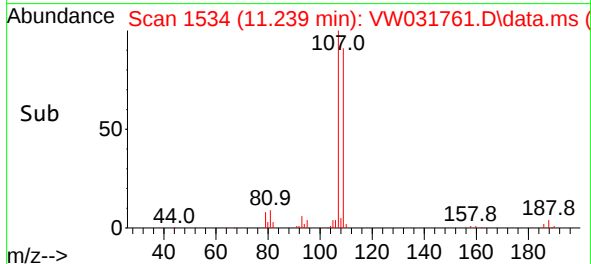
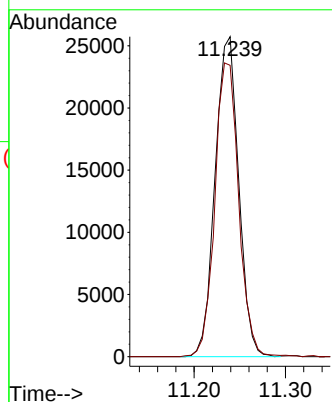
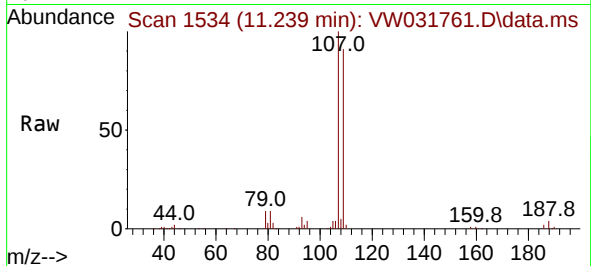




#61  
1,2-Dibromoethane  
Concen: 19.718 ug/l  
RT: 11.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

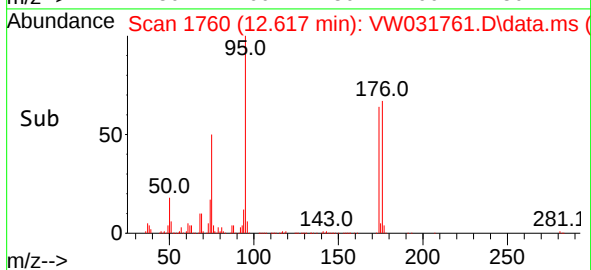
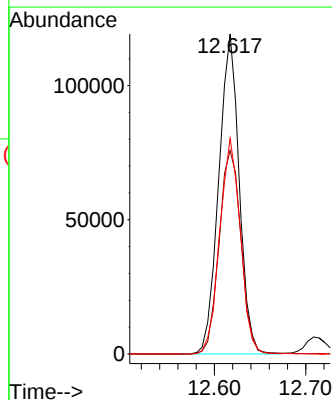
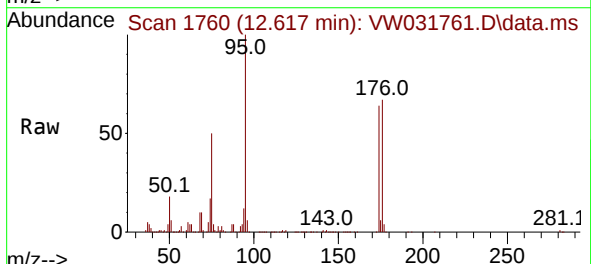
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

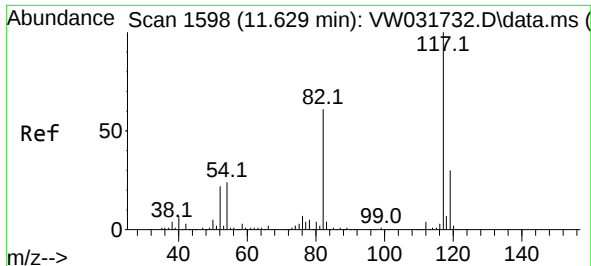
Tgt Ion:107 Resp: 46162  
Ion Ratio Lower Upper  
107 100  
109 93.1 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 50.595 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 95 Resp: 185176  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 133.8  
176 68.0 0.0 126.0

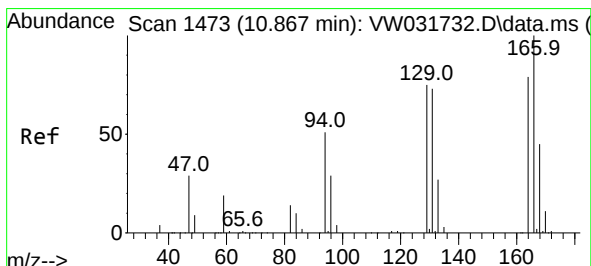
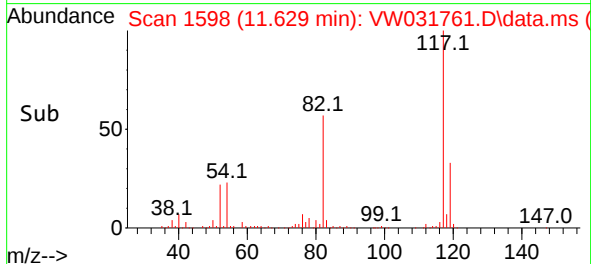
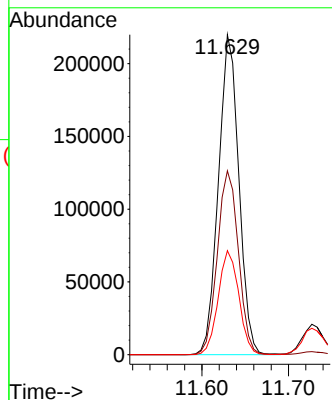
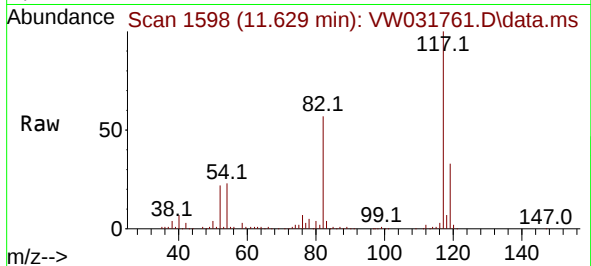




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

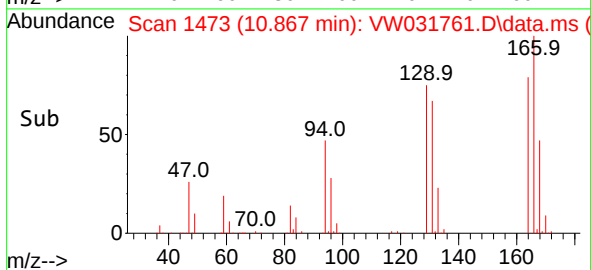
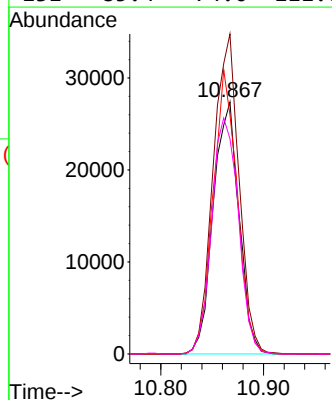
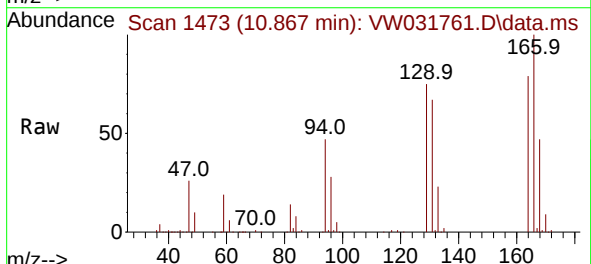
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

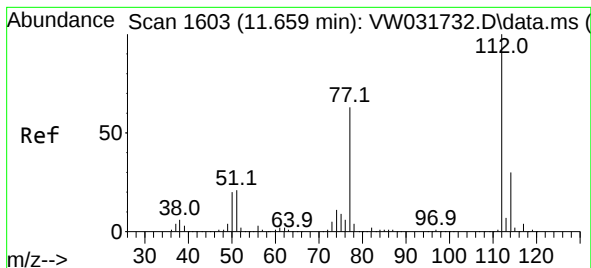
Tgt Ion:117 Resp: 359871  
Ion Ratio Lower Upper  
117 100  
82 57.4 48.6 72.8  
119 32.5 23.9 35.9



#64  
Tetrachloroethene  
Concen: 20.162 ug/l  
RT: 10.867 min Scan# 1473  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion:164 Resp: 47461  
Ion Ratio Lower Upper  
164 100  
166 127.0 100.7 151.1  
129 94.9 75.4 113.0  
131 85.4 74.0 111.0





#65

Chlorobenzene

Concen: 20.155 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

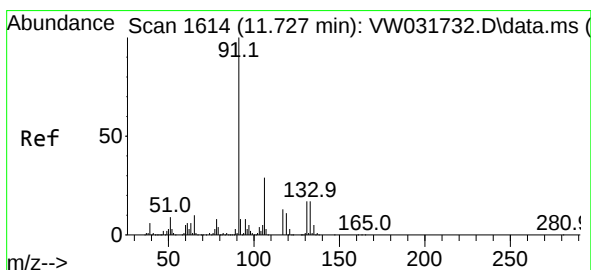
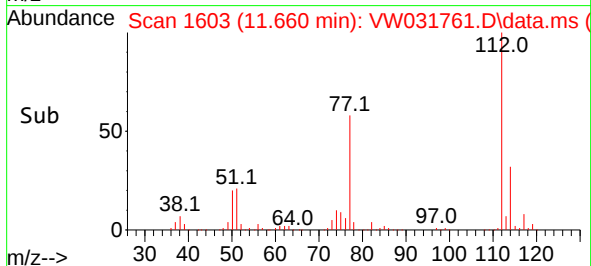
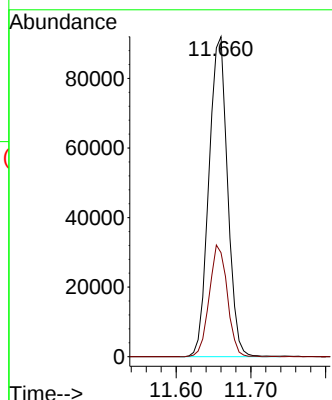
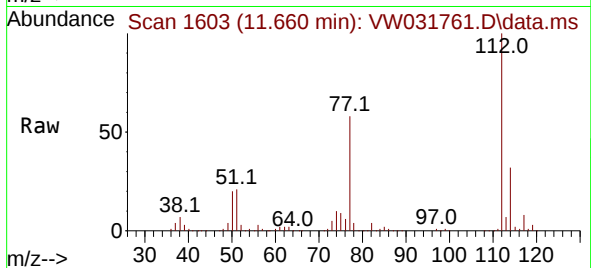
VW0703SBS01

Tgt Ion:112 Resp: 160031

Ion Ratio Lower Upper

112 100

114 32.5 23.8 35.8



#66

1,1,1,2-Tetrachloroethane

Concen: 20.506 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

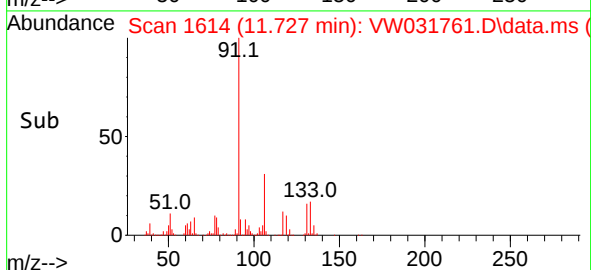
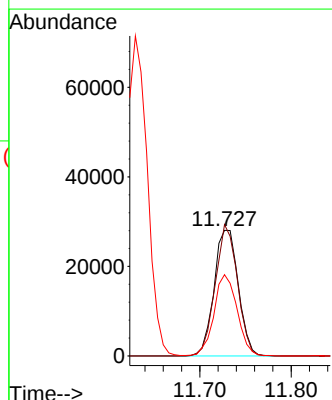
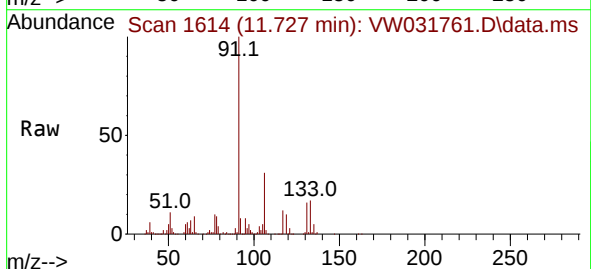
Tgt Ion:131 Resp: 51884

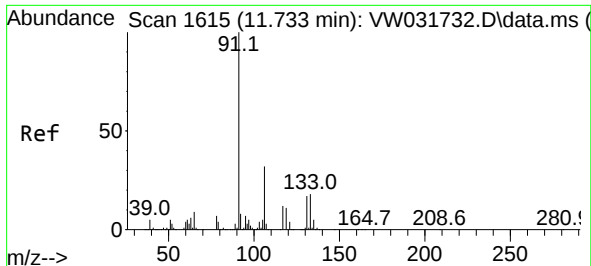
Ion Ratio Lower Upper

131 100

133 95.6 48.5 145.6

119 61.8 32.5 97.5





#67

Ethyl Benzene

Concen: 21.114 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

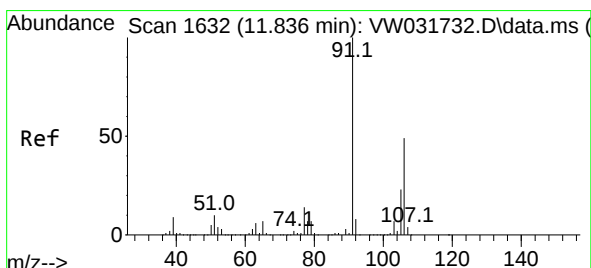
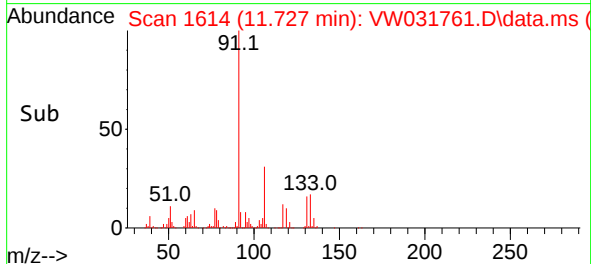
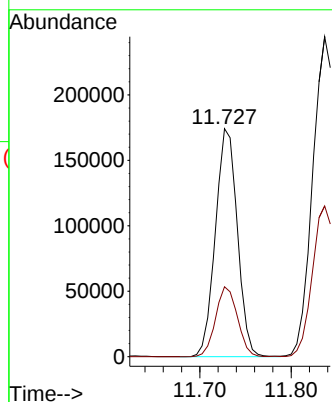
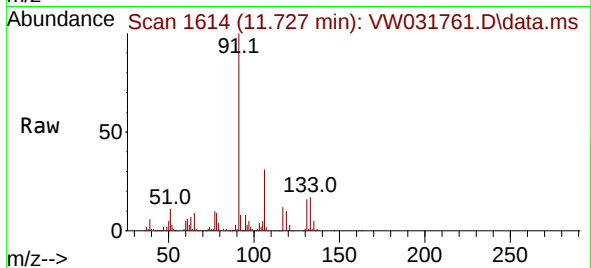
VW0703SBS01

Tgt Ion: 91 Resp: 290707

Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.2



#68

m/p-Xylenes

Concen: 41.254 ug/l

RT: 11.837 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031761.D

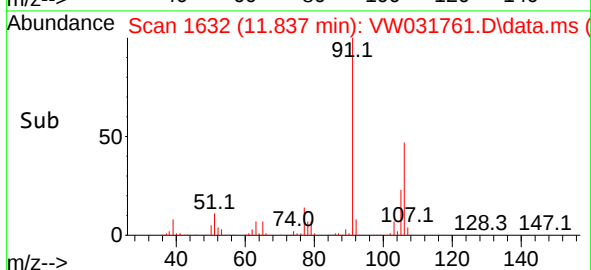
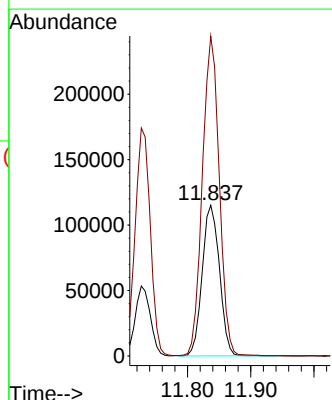
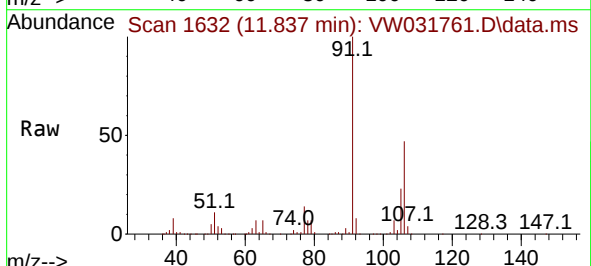
Acq: 03 Jul 2025 11:39

Tgt Ion:106 Resp: 218347

Ion Ratio Lower Upper

106 100

91 208.6 166.4 249.6

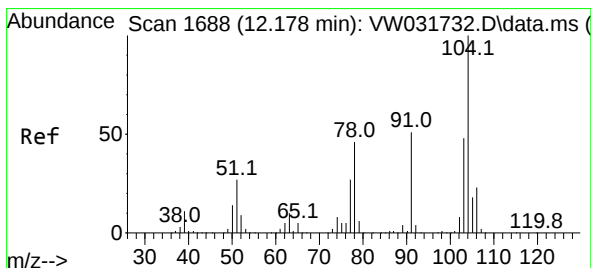
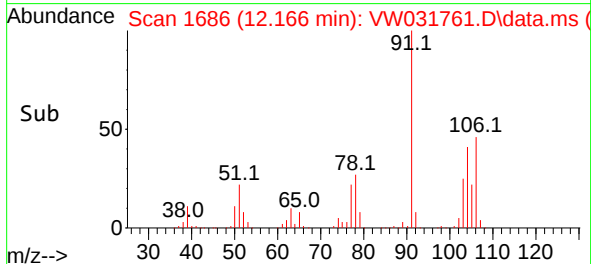
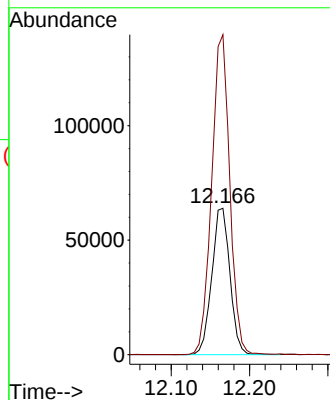
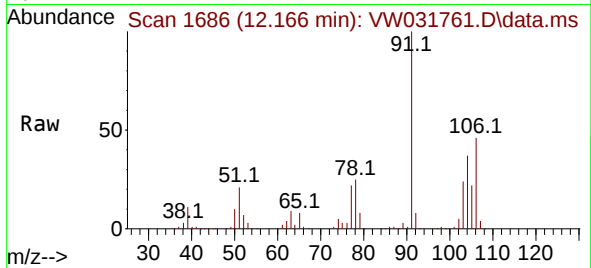




#69  
o-Xylene  
Concen: 20.980 ug/l  
RT: 12.166 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

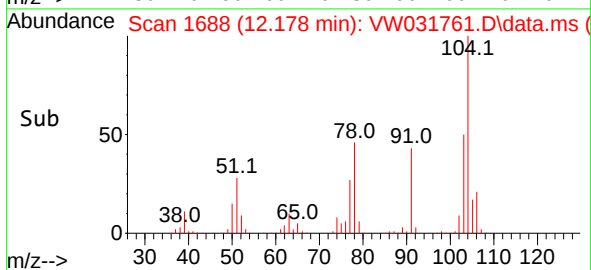
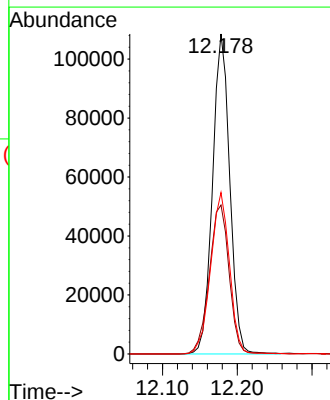
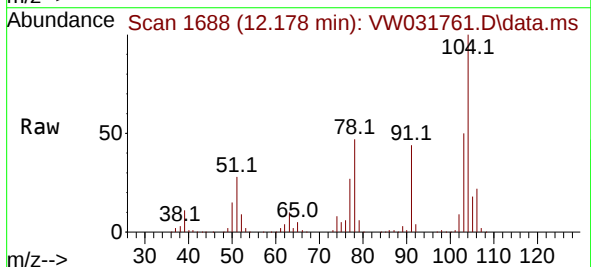
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

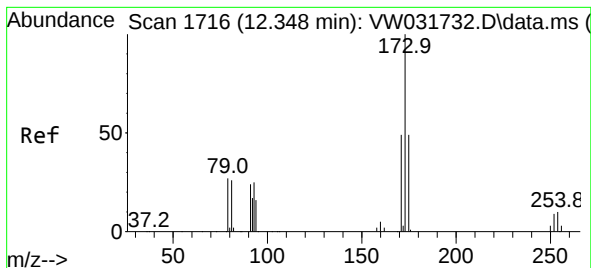
Tgt Ion:106 Resp: 102811  
Ion Ratio Lower Upper  
106 100  
91 218.6 111.5 334.4



#70  
Styrene  
Concen: 20.627 ug/l  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion:104 Resp: 174746  
Ion Ratio Lower Upper  
104 100  
78 53.4 42.1 63.1  
103 54.9 43.0 64.6





#71

Bromoform

Concen: 19.654 ug/l

RT: 12.349 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

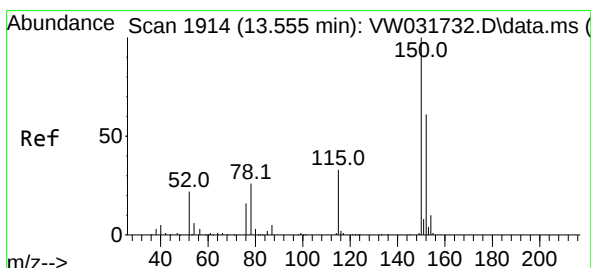
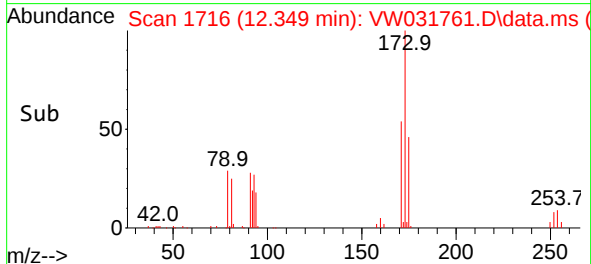
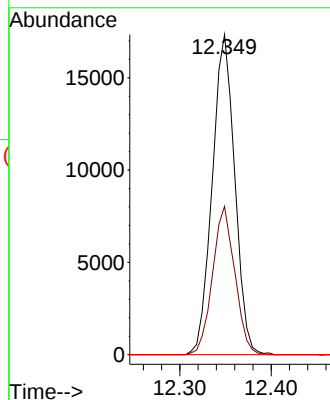
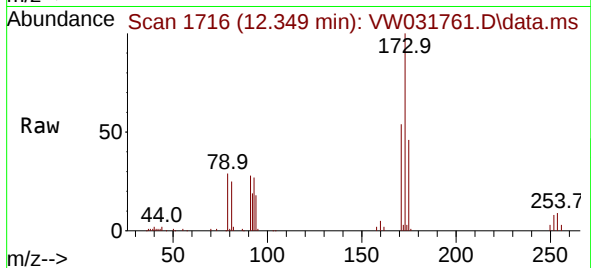
Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 29666     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 45.8  | 24.0 72.0 |
| 254         | 0.0   | 0.1 0.1#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

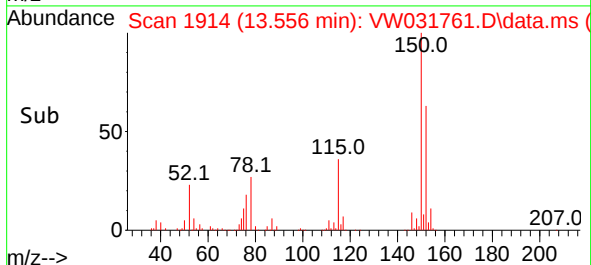
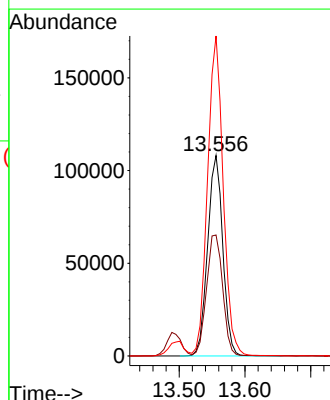
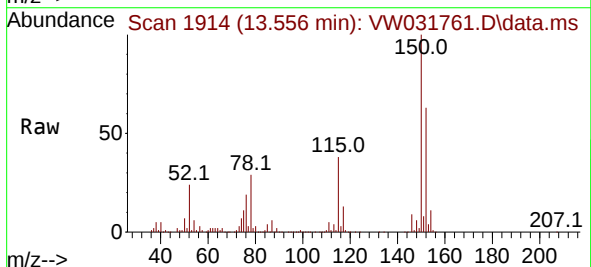
RT: 13.556 min Scan# 1914

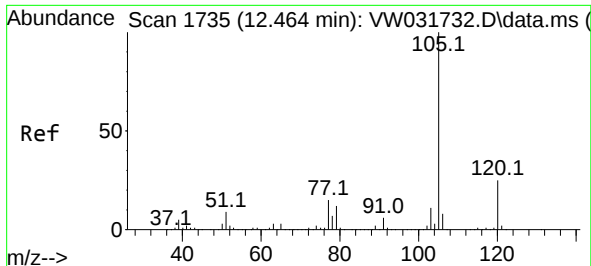
Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 173780    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 64.0  | 31.9 95.7 |
| 150         | 164.7 | 0.0 356.4 |

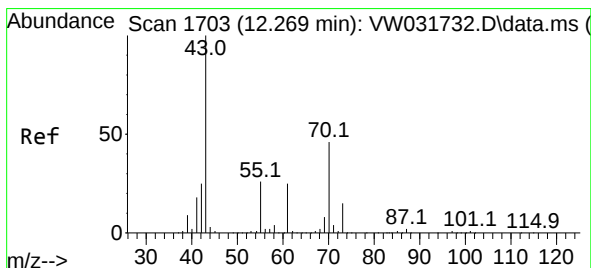
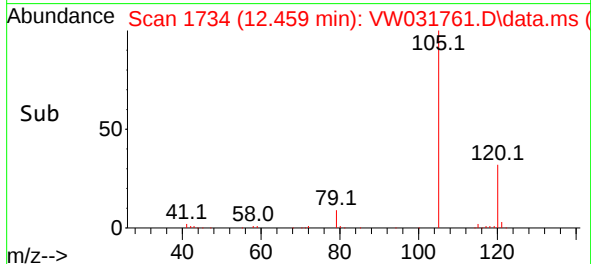
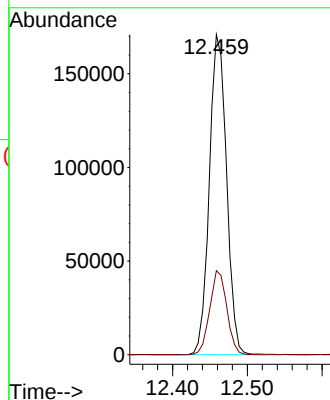
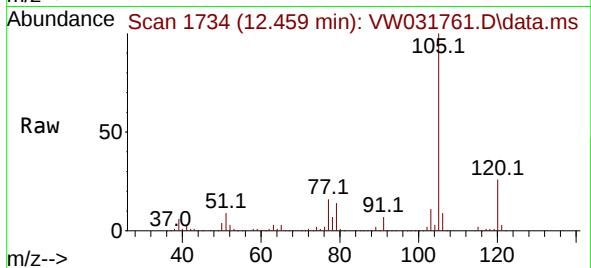




#73  
Isopropylbenzene  
Concen: 20.707 ug/l  
RT: 12.459 min Scan# 1734  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

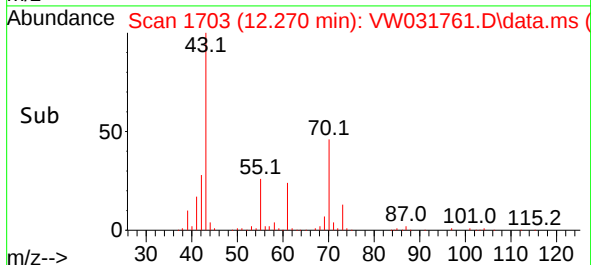
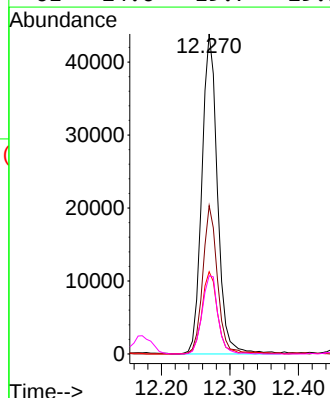
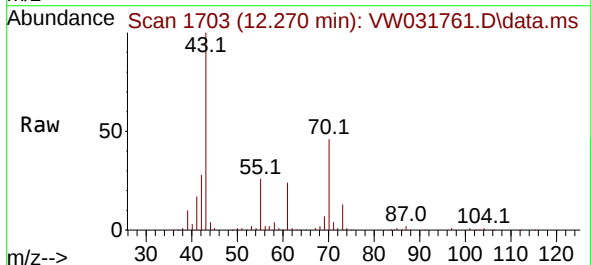
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

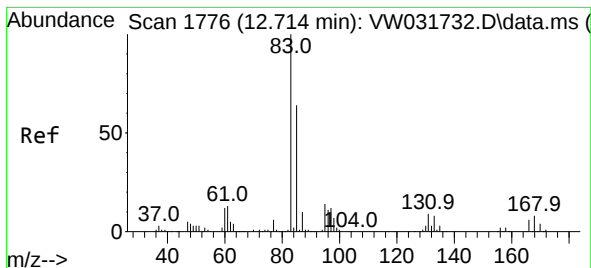
Tgt Ion:105 Resp: 273725  
Ion Ratio Lower Upper  
105 100  
120 25.9 12.8 38.4



#74  
N-ethyl acetate  
Concen: 19.569 ug/l  
RT: 12.270 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 43 Resp: 69720  
Ion Ratio Lower Upper  
43 100  
70 43.7 36.0 54.0  
55 26.2 20.8 31.2  
61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.008 ug/l

RT: 12.715 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

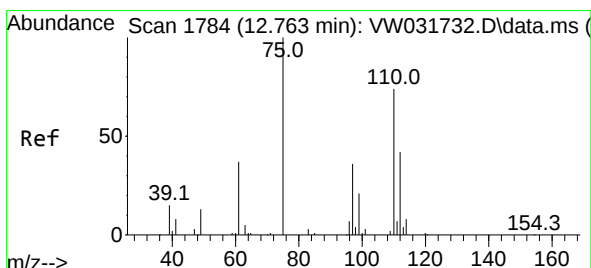
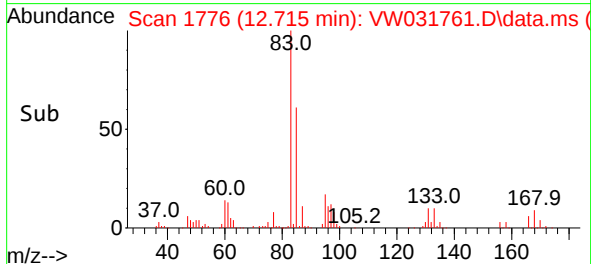
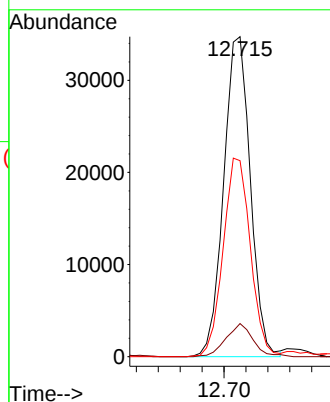
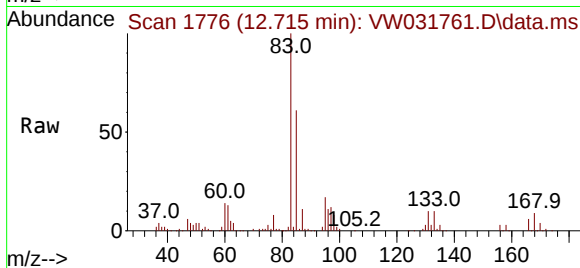
Tgt Ion: 83 Resp: 58717

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

85 63.3 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 23.066 ug/l m

RT: 12.763 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VW031761.D

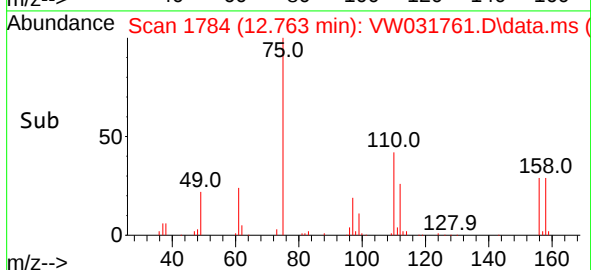
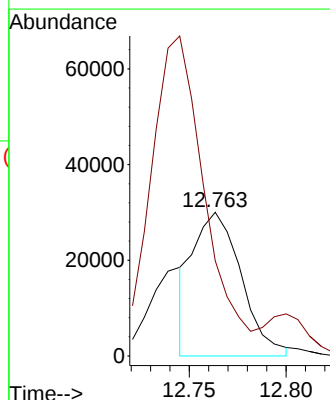
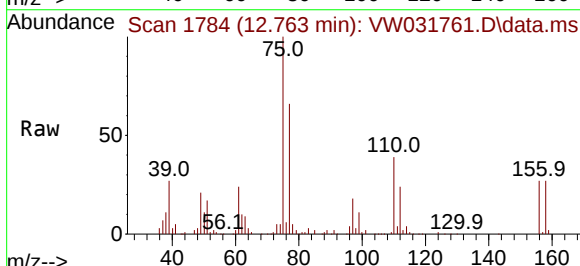
Acq: 03 Jul 2025 11:39

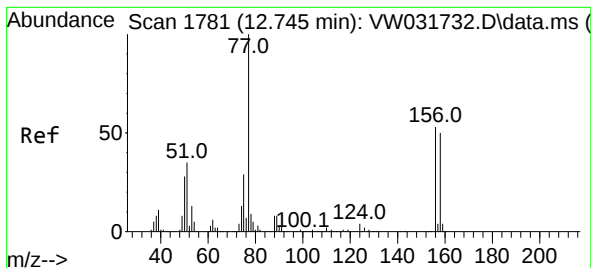
Tgt Ion: 75 Resp: 51800

Ion Ratio Lower Upper

75 100

77 249.9 141.2 423.6





#77

Bromobenzene

Concen: 21.077 ug/l

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

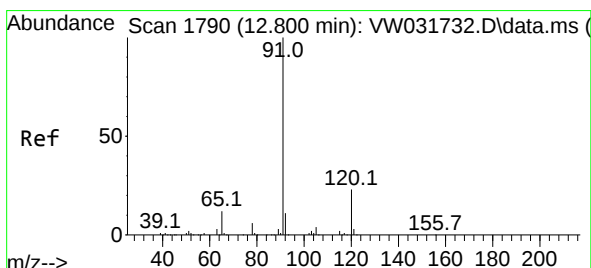
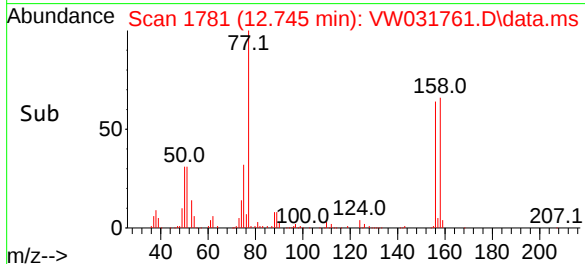
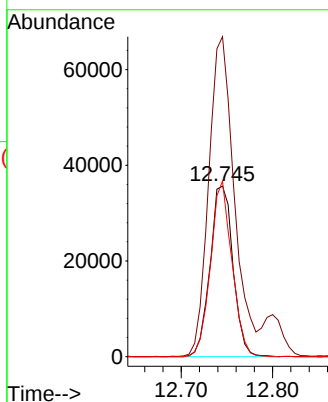
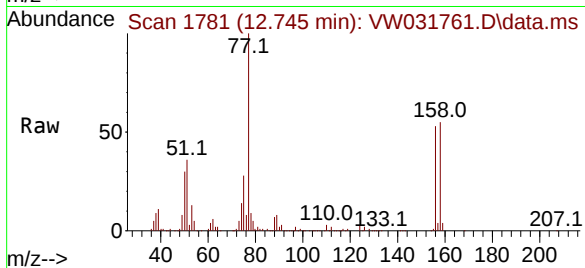
Tgt Ion:156 Resp: 62139

Ion Ratio Lower Upper

156 100

77 208.3 117.9 353.7

158 95.8 52.6 157.8



#78

n-propylbenzene

Concen: 21.283 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VW031761.D

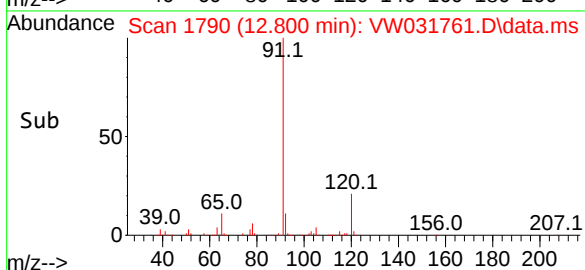
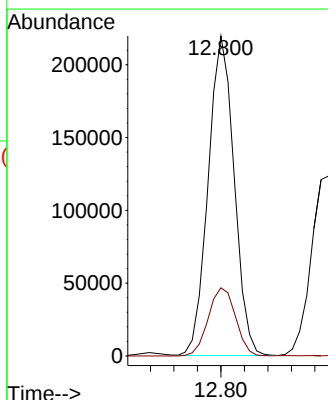
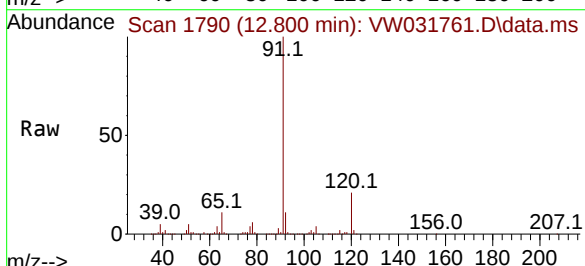
Acq: 03 Jul 2025 11:39

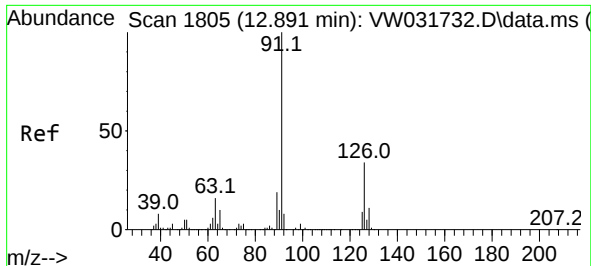
Tgt Ion: 91 Resp: 336897

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4

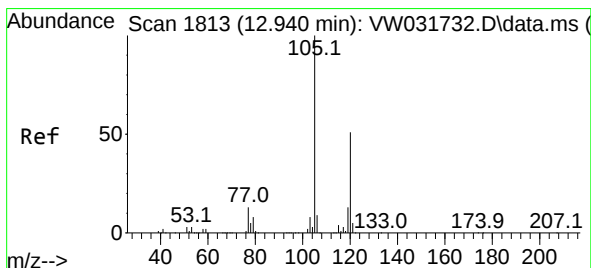
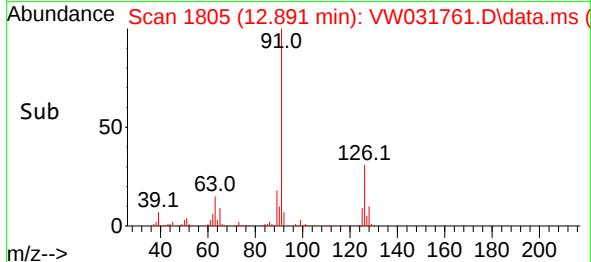
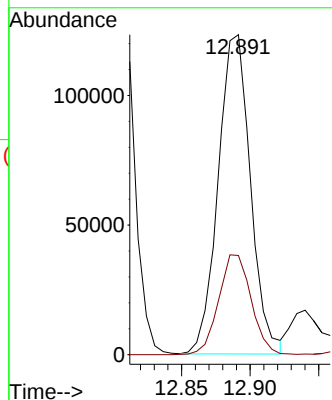
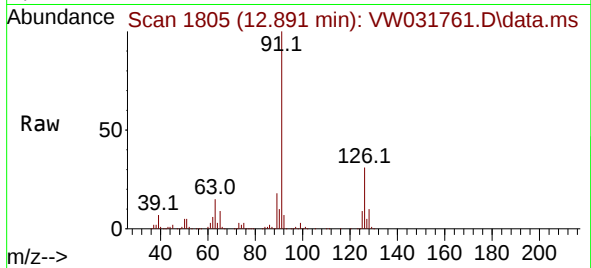




#79  
2-Chlorotoluene  
Concen: 21.175 ug/l  
RT: 12.891 min Scan# 1805  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

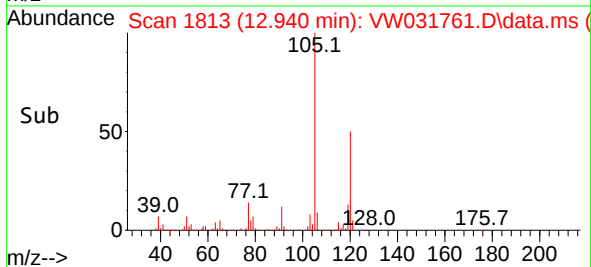
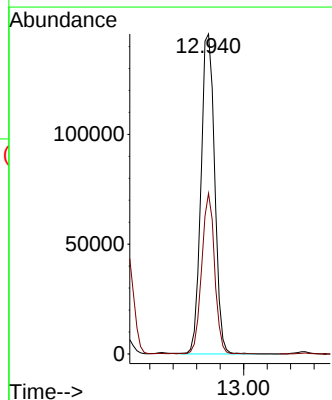
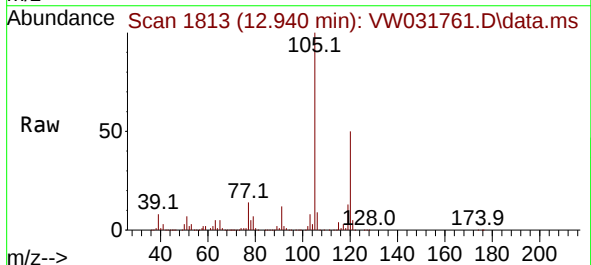
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

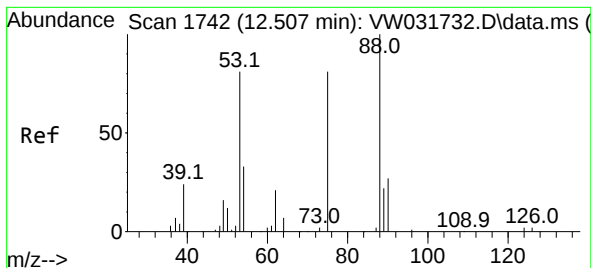
Tgt Ion: 91 Resp: 201837  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.8 47.4



#80  
1,3,5-Trimethylbenzene  
Concen: 21.600 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 105 Resp: 236343  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.496 ug/l

RT: 12.507 min Scan# 1742

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

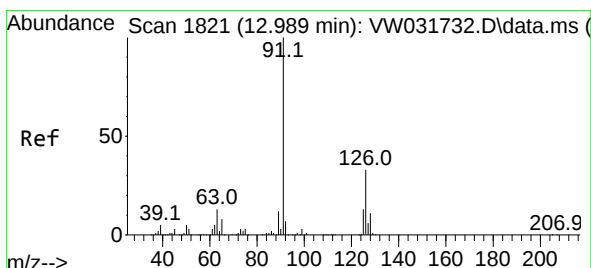
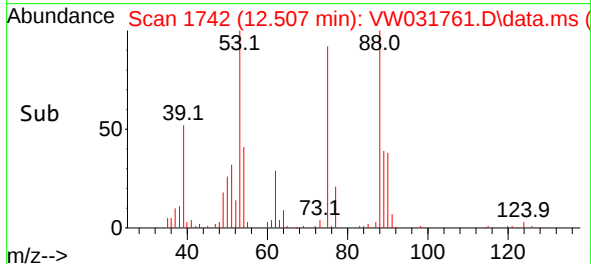
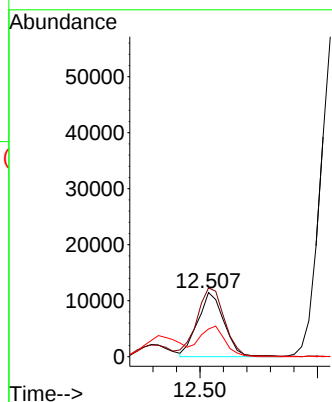
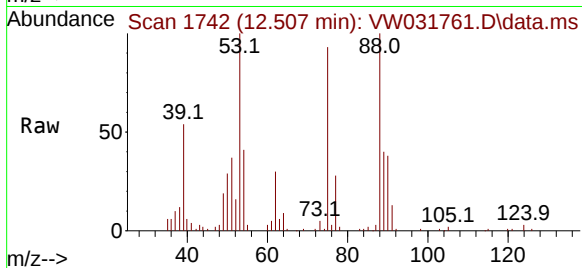
Tgt Ion: 75 Resp: 17833

Ion Ratio Lower Upper

75 100

53 115.6 83.5 125.3

89 45.9 38.3 57.5



#82

4-Chlorotoluene

Concen: 20.835 ug/l

RT: 12.983 min Scan# 1820

Delta R.T. -0.006 min

Lab File: VW031761.D

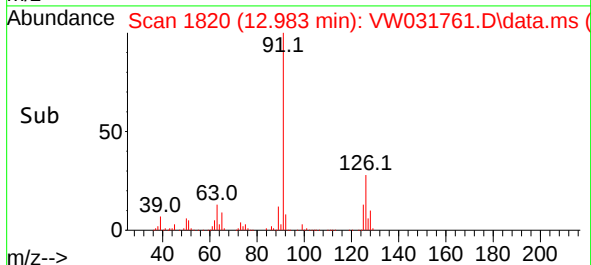
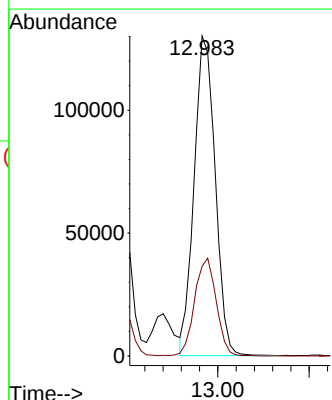
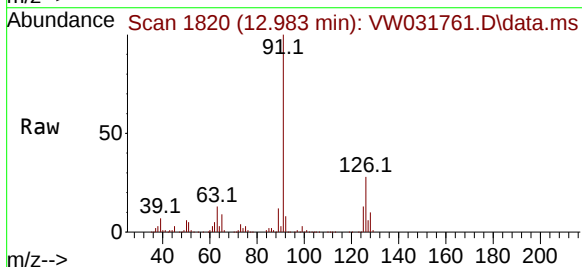
Acq: 03 Jul 2025 11:39

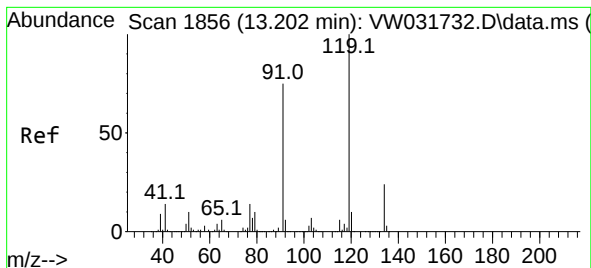
Tgt Ion: 91 Resp: 208498

Ion Ratio Lower Upper

91 100

126 31.5 16.0 47.9





#83

tert-Butylbenzene

Concen: 20.906 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

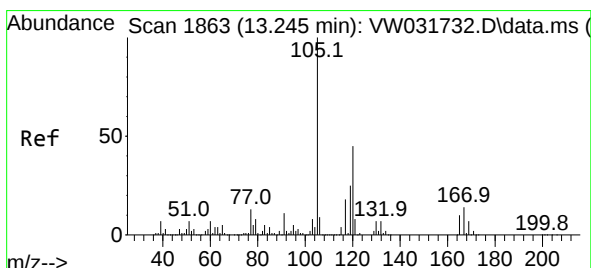
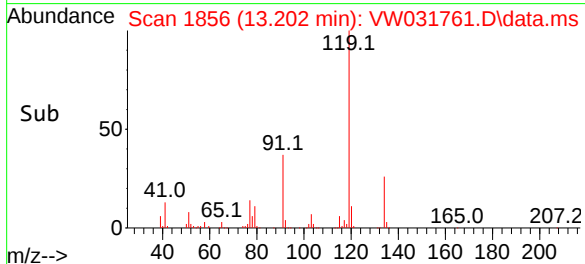
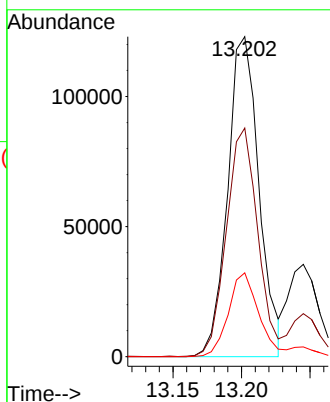
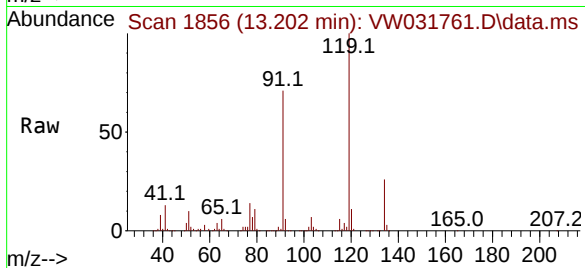
Tgt Ion:119 Resp: 195947

Ion Ratio Lower Upper

119 100

91 71.4 36.0 108.1

134 25.5 12.4 37.2



#84

1,2,4-Trimethylbenzene

Concen: 20.742 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW031761.D

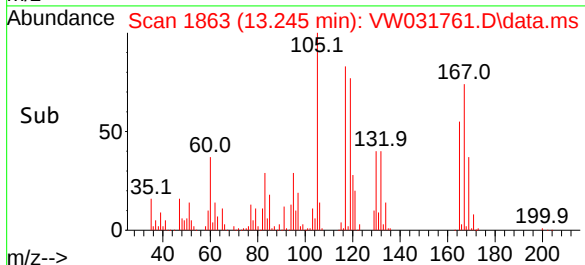
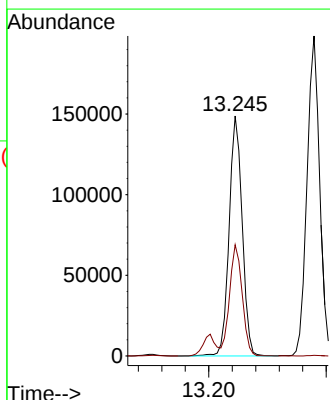
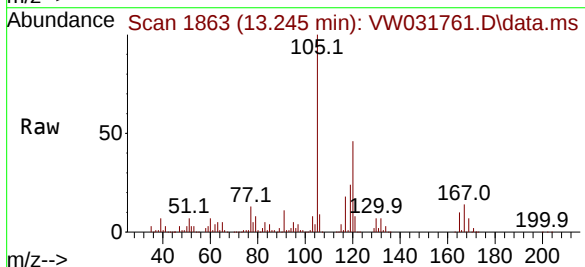
Acq: 03 Jul 2025 11:39

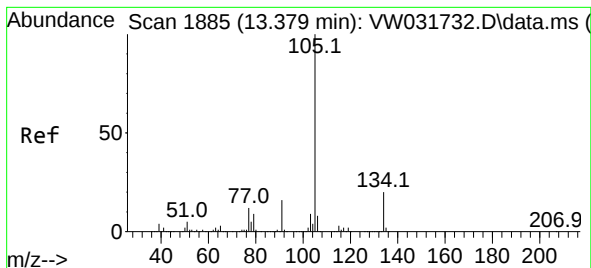
Tgt Ion:105 Resp: 229951

Ion Ratio Lower Upper

105 100

120 44.8 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.038 ug/l

RT: 13.379 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

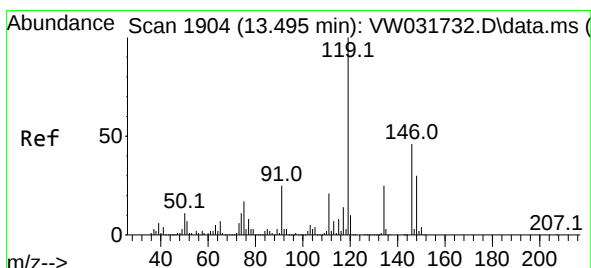
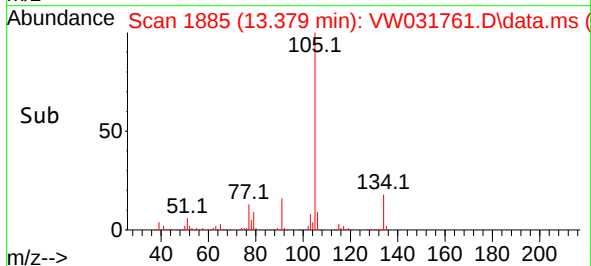
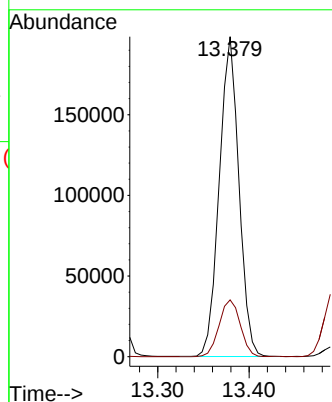
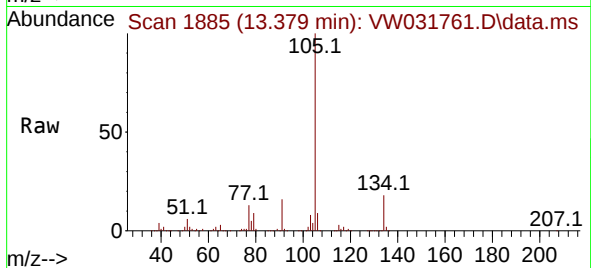
VW0703SBS01

Tgt Ion:105 Resp: 295967

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8



#86

p-Isopropyltoluene

Concen: 21.375 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

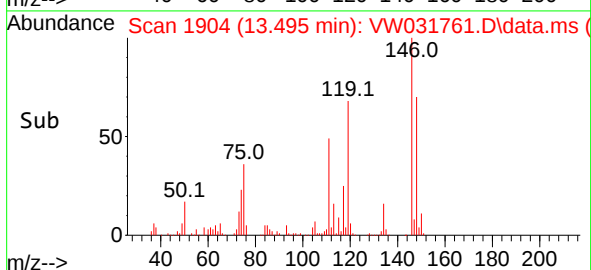
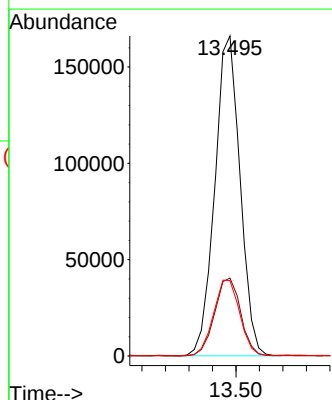
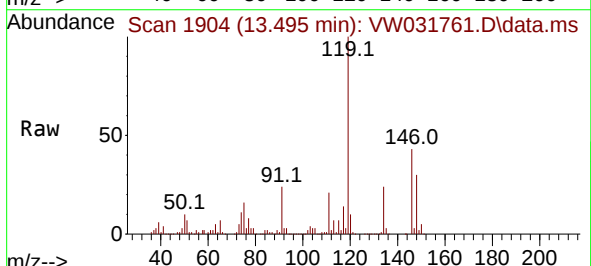
Tgt Ion:119 Resp: 247826

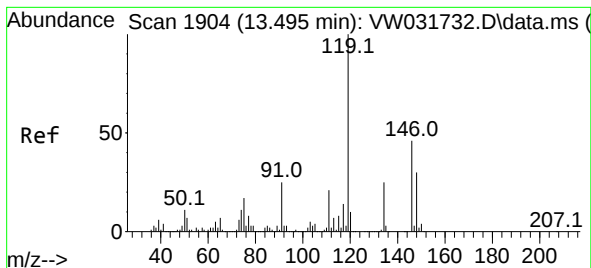
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 24.6 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 20.358 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

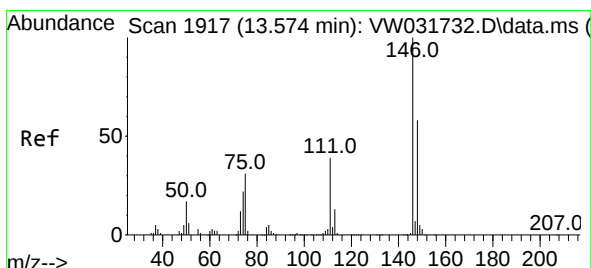
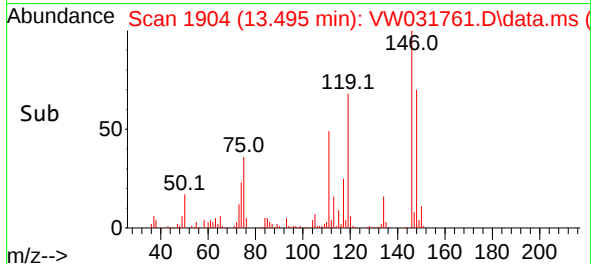
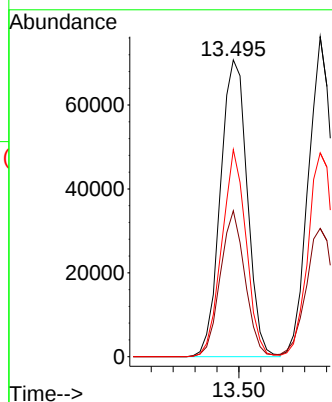
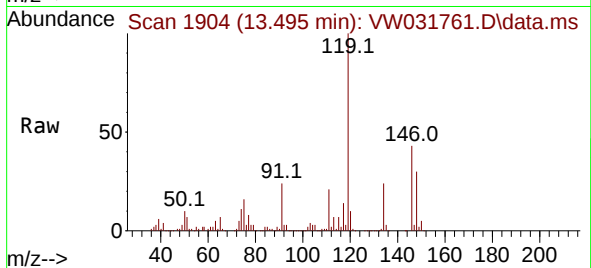
Tgt Ion:146 Resp: 120366

Ion Ratio Lower Upper

146 100

111 45.1 22.3 66.9

148 63.3 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 19.905 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

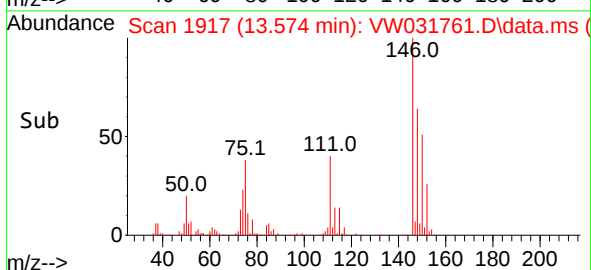
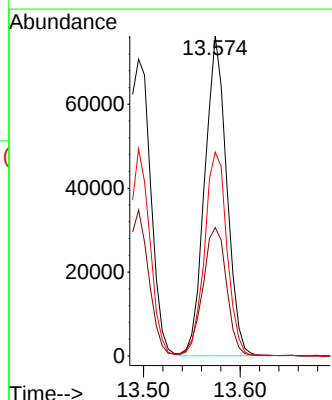
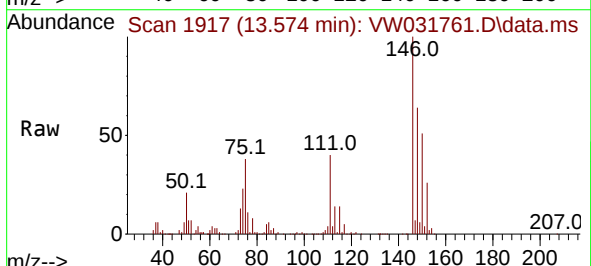
Tgt Ion:146 Resp: 120459

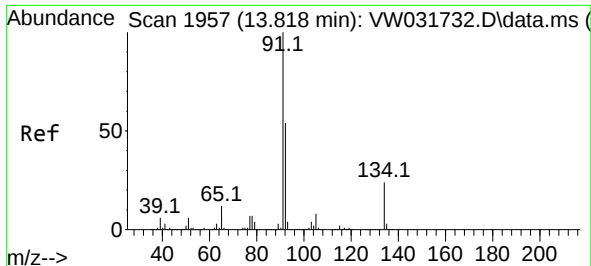
Ion Ratio Lower Upper

146 100

111 43.4 20.4 61.3

148 65.1 30.2 90.6

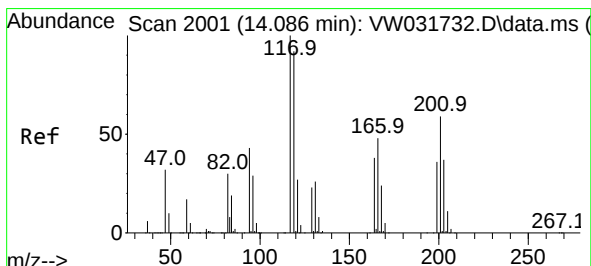
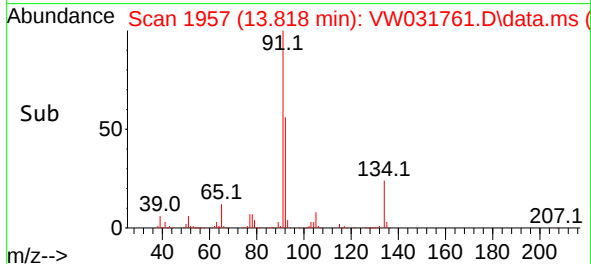
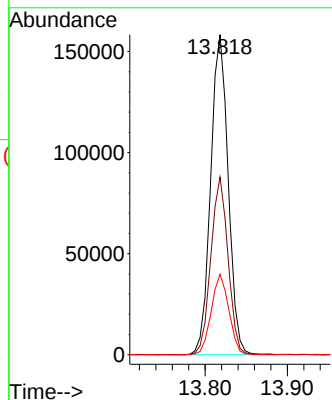
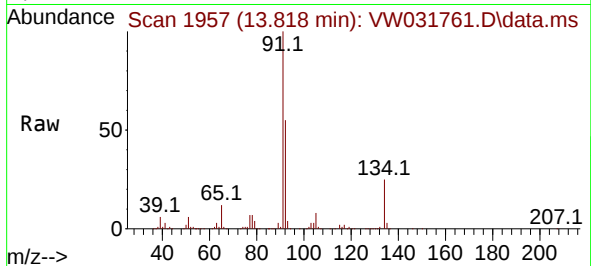




#89  
n-Butylbenzene  
Concen: 20.825 ug/l  
RT: 13.818 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

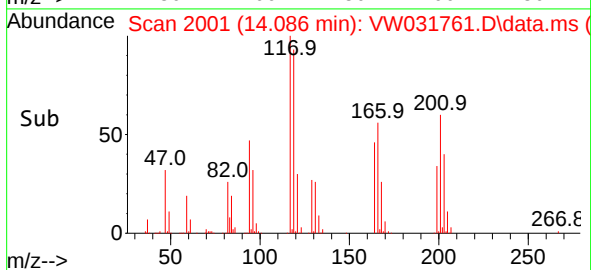
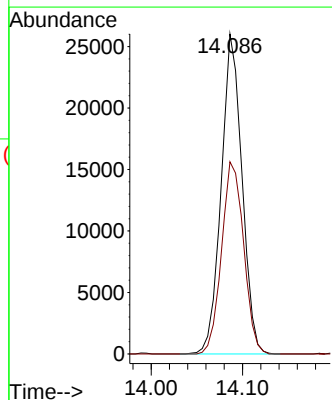
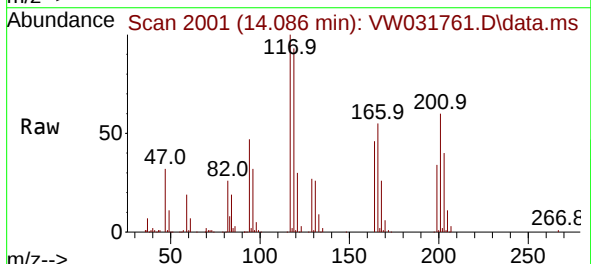
Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

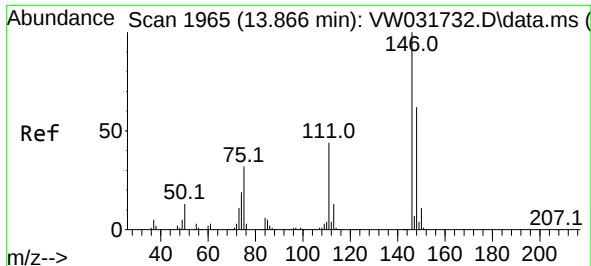
Tgt Ion: 91 Resp: 234590  
Ion Ratio Lower Upper  
91 100  
92 54.5 27.2 81.5  
134 25.2 12.2 36.6



#90  
Hexachloroethane  
Concen: 19.676 ug/l  
RT: 14.086 min Scan# 2001  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion: 117 Resp: 41156  
Ion Ratio Lower Upper  
117 100  
201 63.6 31.1 93.3





#91

1,2-Dichlorobenzene

Concen: 20.389 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

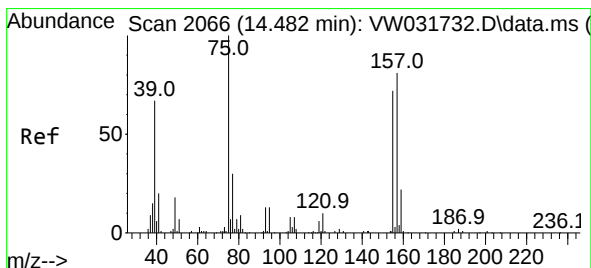
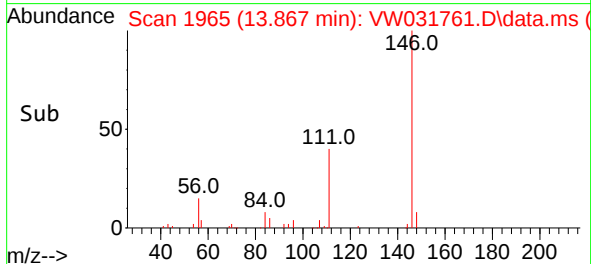
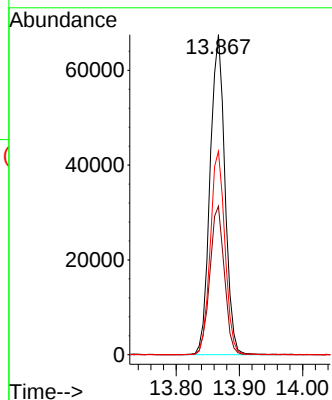
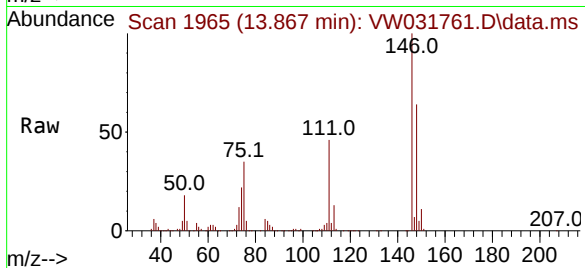
Tgt Ion:146 Resp: 110181

Ion Ratio Lower Upper

146 100

111 45.6 21.7 65.1

148 62.8 29.8 89.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.373 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

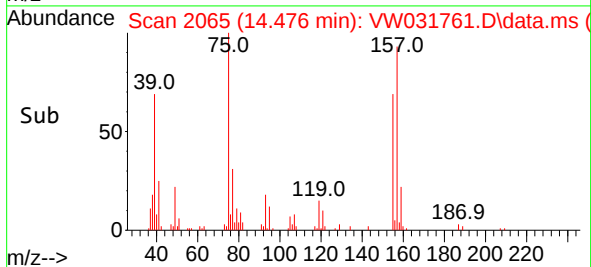
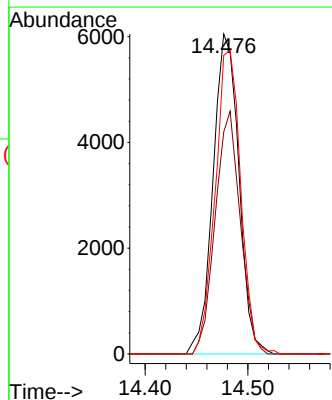
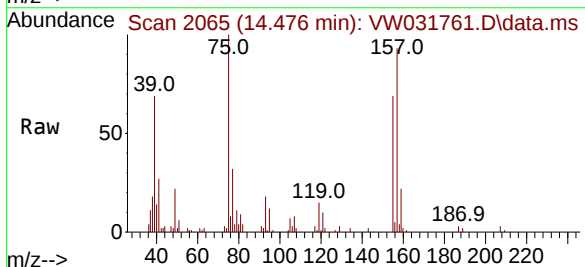
Tgt Ion: 75 Resp: 10528

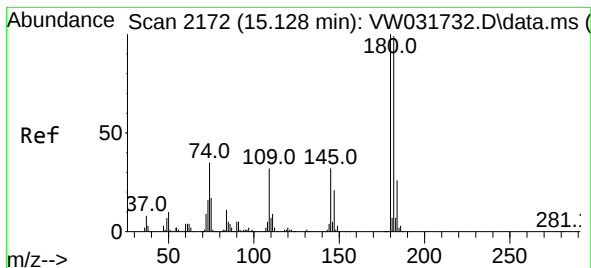
Ion Ratio Lower Upper

75 100

155 73.9 37.2 111.6

157 94.1 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 20.230 ug/l

RT: 15.123 min Scan# 2172

Delta R.T. -0.006 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

Instrument :

MSVOA\_W

ClientSampleId :

VW0703SBS01

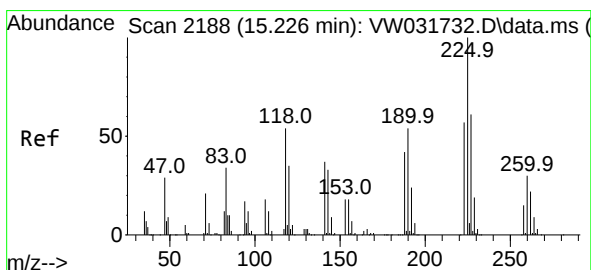
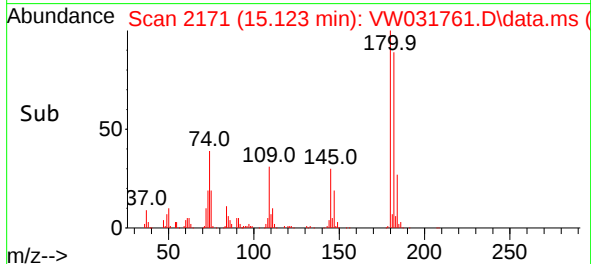
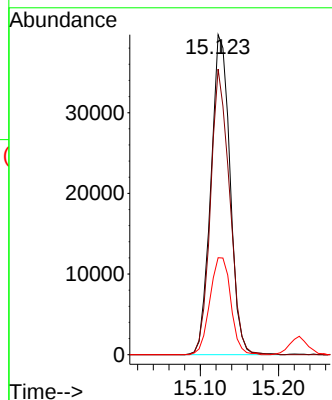
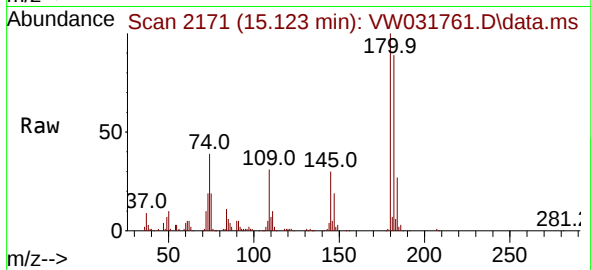
Tgt Ion:180 Resp: 67422

Ion Ratio Lower Upper

180 100

182 88.7 48.6 145.9

145 33.0 17.3 51.7



#94

Hexachlorobutadiene

Concen: 22.315 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031761.D

Acq: 03 Jul 2025 11:39

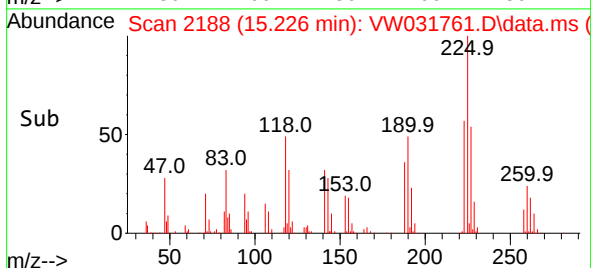
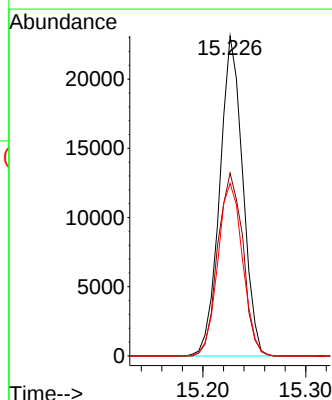
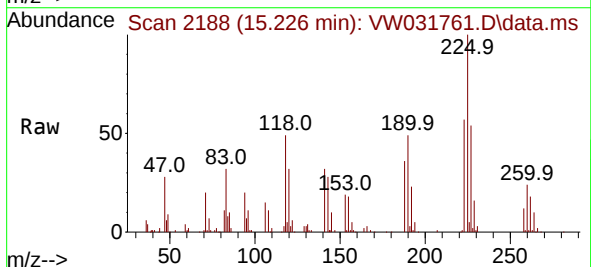
Tgt Ion:225 Resp: 35912

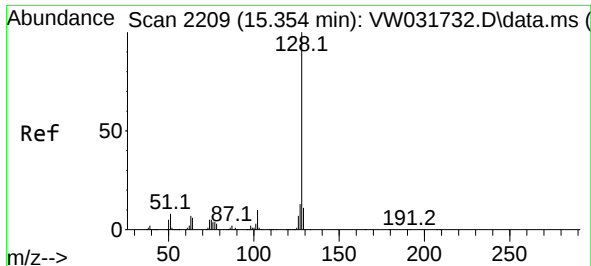
Ion Ratio Lower Upper

225 100

223 62.2 32.6 97.8

227 58.2 37.3 111.8

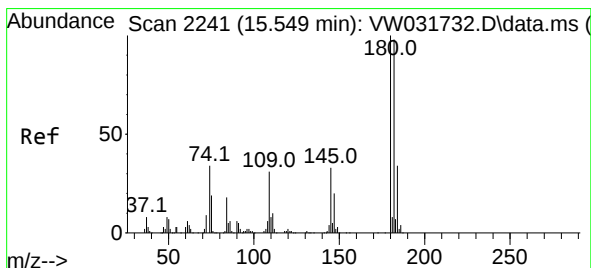
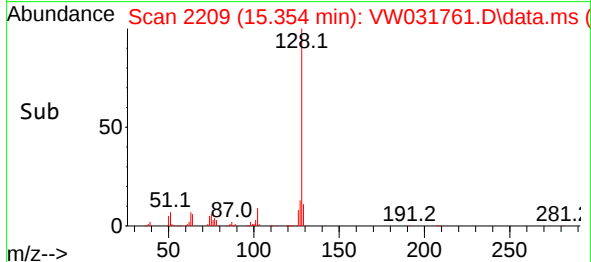
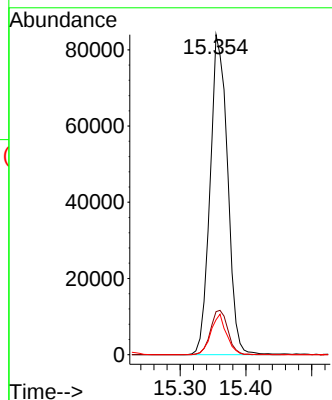
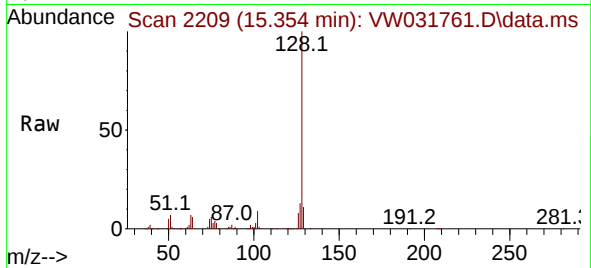




#95  
Naphthalene  
Concen: 19.020 ug/l  
RT: 15.354 min Scan# 2209  
Delta R.T. 0.000 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0703SBS01

Tgt Ion:128 Resp: 155409  
Ion Ratio Lower Upper  
128 100  
127 13.8 10.8 16.2  
129 11.3 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 19.703 ug/l  
RT: 15.543 min Scan# 2240  
Delta R.T. -0.006 min  
Lab File: VW031761.D  
Acq: 03 Jul 2025 11:39

Tgt Ion:180 Resp: 60337  
Ion Ratio Lower Upper  
180 100  
182 96.2 46.4 139.1  
145 37.0 17.8 53.3

