

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW073025\  
 Data File : VW031955.D  
 Acq On : 30 Jul 2025 10:30  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 31 02:28:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 233220   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 421345   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 381695   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 172879   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 8.313  | 65    | 162766   | 46.135   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 63 - 155 | Recovery | =    | 92.280% |
| 35) Dibromofluoromethane  | 7.898  | 113   | 138203   | 48.270   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 70 - 134 | Recovery | =    | 96.540% |
| 50) Toluene-d8            | 10.325 | 98    | 524665   | 48.419   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 74 - 123 | Recovery | =    | 96.840% |
| 62) 4-Bromofluorobenzene  | 12.617 | 95    | 198831   | 47.787   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 17 - 146 | Recovery | =    | 95.580% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 2.046 | 85  | 85464   | 49.306  | ug/l | 97     |
| 3) Chloromethane             | 2.253 | 50  | 108190  | 48.630  | ug/l | 96     |
| 4) Vinyl Chloride            | 2.405 | 62  | 145978  | 50.511  | ug/l | 99     |
| 5) Bromomethane              | 2.820 | 94  | 101656  | 47.768  | ug/l | 99     |
| 6) Chloroethane              | 2.966 | 64  | 92921   | 48.716  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.301 | 101 | 119536  | 40.837  | ug/l | 97     |
| 8) Diethyl Ether             | 3.722 | 74  | 91067   | 46.574  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 4.100 | 101 | 140986  | 50.075  | ug/l | 99     |
| 10) Methyl Iodide            | 4.313 | 142 | 202058  | 47.999  | ug/l | 99     |
| 11) Tert butyl alcohol       | 5.222 | 59  | 52198   | 251.700 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 4.076 | 96  | 153487  | 49.356  | ug/l | 93     |
| 13) Acrolein                 | 3.929 | 56  | 25474   | 81.658  | ug/l | 98     |
| 14) Allyl chloride           | 4.697 | 41  | 230895  | 47.695  | ug/l | 99     |
| 15) Acrylonitrile            | 5.405 | 53  | 219937  | 251.595 | ug/l | 99     |
| 16) Acetone                  | 4.161 | 43  | 209515  | 250.261 | ug/l | 100    |
| 17) Carbon Disulfide         | 4.423 | 76  | 415628  | 51.534  | ug/l | 99     |
| 18) Methyl Acetate           | 4.710 | 43  | 118655  | 51.444  | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 5.460 | 73  | 268574  | 49.984  | ug/l | 99     |
| 20) Methylene Chloride       | 4.954 | 84  | 160963  | 44.437  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene | 5.460 | 96  | 163392  | 49.520  | ug/l | 94     |
| 22) Diisopropyl ether        | 6.337 | 45  | 468183  | 48.332  | ug/l | 99     |
| 23) Vinyl Acetate            | 6.283 | 43  | 1595232 | 252.068 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 6.240 | 63  | 297289  | 49.292  | ug/l | 99     |
| 25) 2-Butanone               | 7.191 | 43  | 298748  | 260.812 | ug/l | 96     |
| 26) 2,2-Dichloropropane      | 7.185 | 77  | 159296  | 46.653  | ug/l | 98     |
| 27) cis-1,2-Dichloroethene   | 7.185 | 96  | 189288  | 48.798  | ug/l | 97     |
| 28) Bromochloromethane       | 7.526 | 49  | 110553  | 43.780  | ug/l | 96     |
| 29) Tetrahydrofuran          | 7.551 | 42  | 191684  | 255.241 | ug/l | 99     |
| 30) Chloroform               | 7.691 | 83  | 313195  | 49.527  | ug/l | 97     |
| 31) Cyclohexane              | 7.971 | 56  | 263457  | 48.691  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane    | 7.886 | 97  | 232325  | 48.280  | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 8.093 | 75  | 224257  | 51.003  | ug/l | 99     |
| 37) Ethyl Acetate            | 7.270 | 43  | 128520  | 51.239  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 8.081 | 117 | 219936  | 52.120  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.343 | 83  | 287290  | 51.920  | ug/l | 97     |
| 40) Benzene                  | 8.337 | 78  | 671668  | 51.604  | ug/l | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 31 02:28:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.496  | 41   | 74141    | 49.379   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 209010   | 50.175   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 235630   | 51.892   | ug/l   | 100      |
| 44) Trichloroethene           | 9.099  | 130  | 161427   | 52.178   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 158405   | 50.534   | ug/l   | 97       |
| 46) Dibromomethane            | 9.465  | 93   | 99889    | 51.406   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.648  | 83   | 237367   | 50.943   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.441  | 41   | 122567   | 56.736   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 21683    | 1118.307 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 658638   | 265.042  | ug/l   | 100      |
| 52) Toluene                   | 10.392 | 92   | 435252   | 52.020   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 231665   | 51.831   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 263238   | 51.572   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 130821   | 50.684   | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 194311   | 53.304   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 233888   | 51.436   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 443125   | 236.659  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.971 | 43   | 464100   | 268.679  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.129 | 129  | 159602   | 53.035   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.233 | 107  | 130759   | 51.269   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 125385   | 49.824   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.660 | 112  | 459326   | 49.169   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 142968   | 49.366   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.727 | 91   | 819668   | 49.939   | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.836 | 106  | 623830   | 100.960  | ug/l   | 99       |
| 69) o-Xylene                  | 12.166 | 106  | 294481   | 50.359   | ug/l   | 100      |
| 70) Styrene                   | 12.178 | 104  | 514841   | 51.711   | ug/l   | 99       |
| 71) Bromoform                 | 12.349 | 173  | 82482    | 52.076   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.464 | 105  | 760788   | 50.719   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.269 | 43   | 214991   | 53.016   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 166344   | 52.245   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 214090   | 89.695   | ug/l # | 100      |
| 77) Bromobenzene              | 12.745 | 156  | 166289   | 51.236   | ug/l   | 96       |
| 78) n-propylbenzene           | 12.800 | 91   | 923938   | 50.152   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.885 | 91   | 556979   | 50.636   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 640431   | 50.907   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.507 | 75   | 54271    | 52.494   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 576580   | 49.966   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.202 | 119  | 538824   | 50.282   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 626128   | 49.172   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 807497   | 50.178   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 678003   | 50.972   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 332271   | 49.183   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 319509   | 48.278   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.818 | 91   | 650676   | 49.866   | ug/l   | 98       |
| 90) Hexachloroethane          | 14.086 | 117  | 116865   | 50.810   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 296613   | 49.540   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 29896    | 51.972   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.122 | 180  | 181515   | 50.270   | ug/l   | 95       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 81924    | 47.881   | ug/l   | 96       |
| 95) Naphthalene               | 15.360 | 128  | 472218   | 53.194   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 163083   | 49.849   | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW073025\  
Data File : VW031955.D  
Acq On : 30 Jul 2025 10:30  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

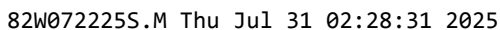
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

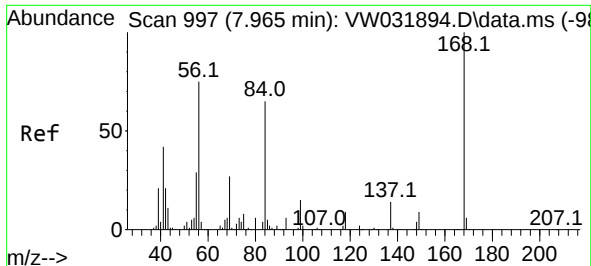
Quant Time: Jul 31 02:28:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 23 08:18:46 2025  
Response via : Initial Calibration

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

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

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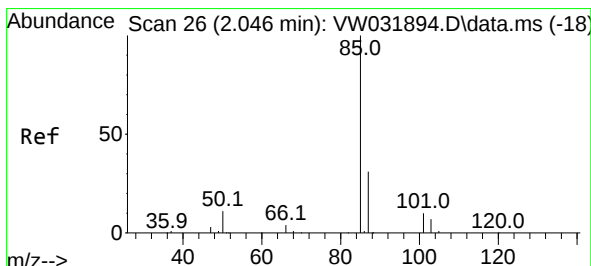
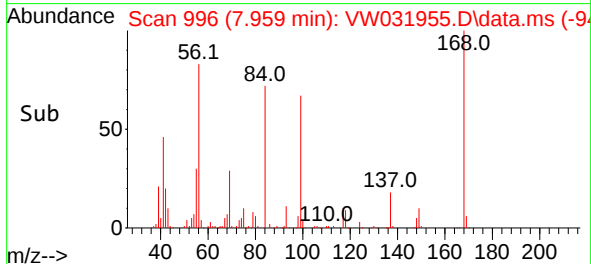
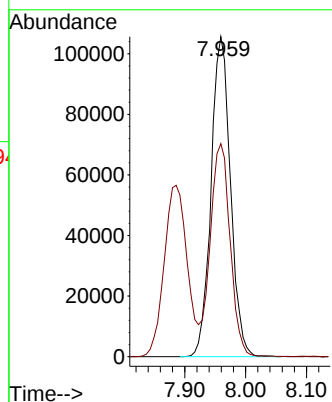
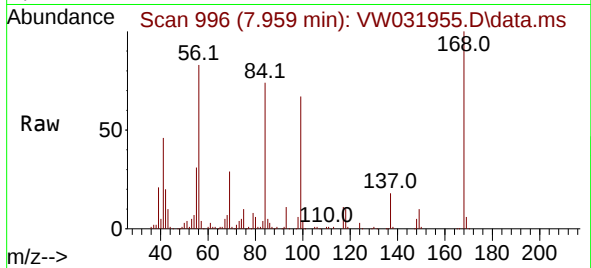




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

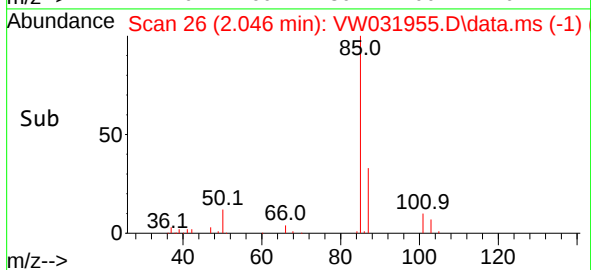
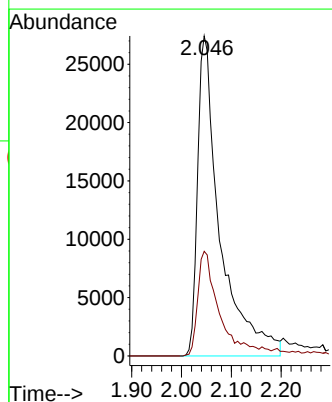
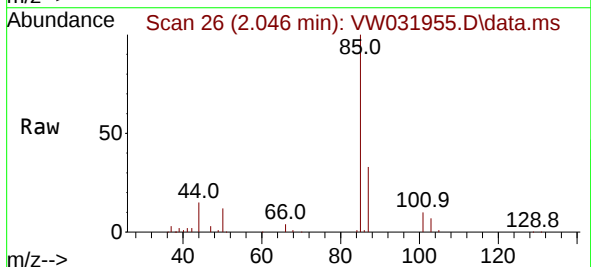
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

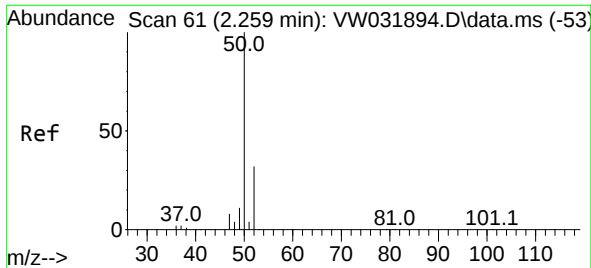
Tgt Ion:168 Resp: 233220  
Ion Ratio Lower Upper  
168 100  
99 66.4 48.2 72.2



#2  
Dichlorodifluoromethane  
Concen: 49.306 ug/l  
RT: 2.046 min Scan# 26  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 85 Resp: 85464  
Ion Ratio Lower Upper  
85 100  
87 32.7 15.5 46.5

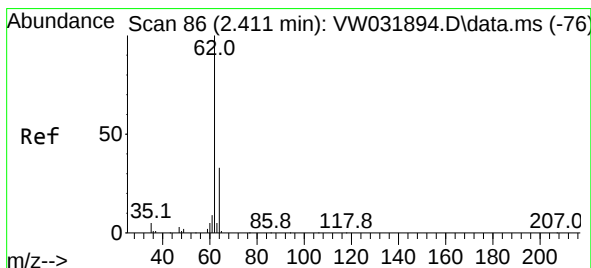
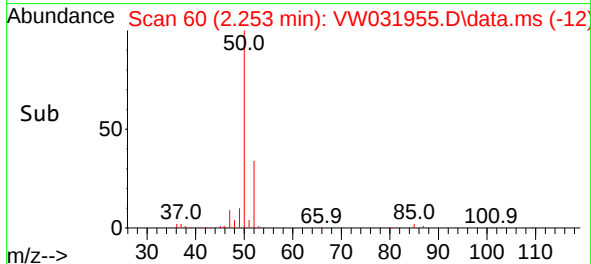
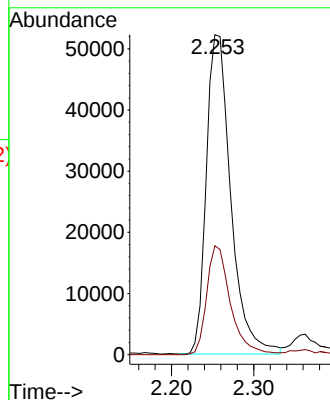
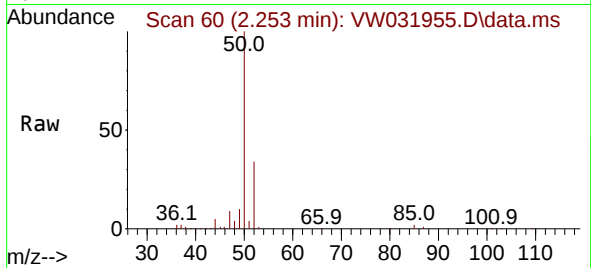




#3  
Chloromethane  
Concen: 48.630 ug/l  
RT: 2.253 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

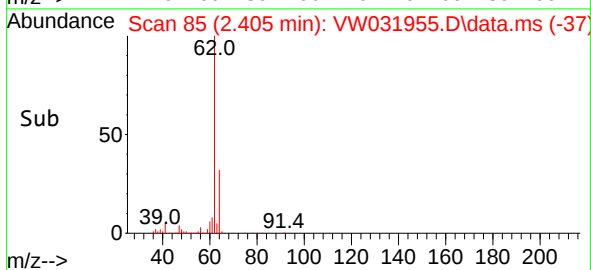
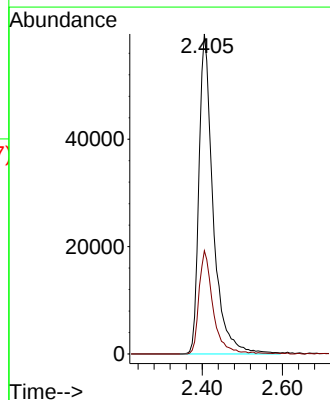
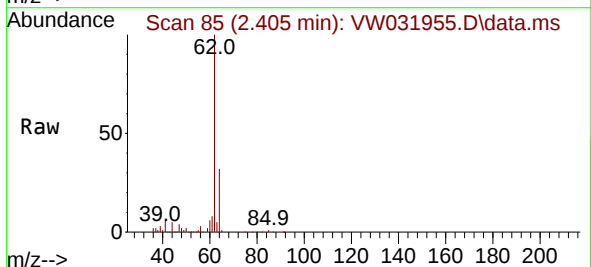
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

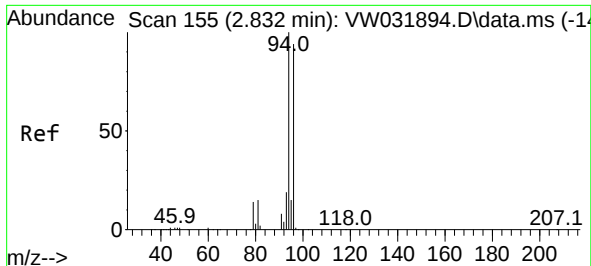
Tgt Ion: 50 Resp: 108190  
Ion Ratio Lower Upper  
50 100  
52 34.1 25.7 38.5



#4  
Vinyl Chloride  
Concen: 50.511 ug/l  
RT: 2.405 min Scan# 85  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 62 Resp: 145978  
Ion Ratio Lower Upper  
62 100  
64 32.3 26.2 39.2

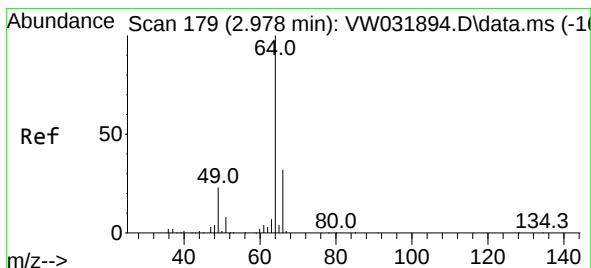
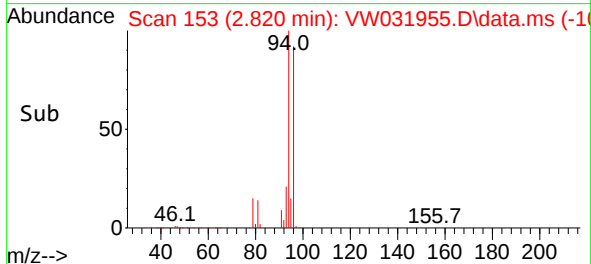
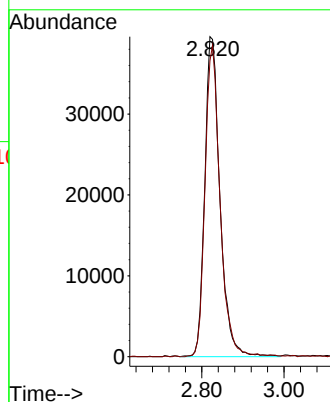
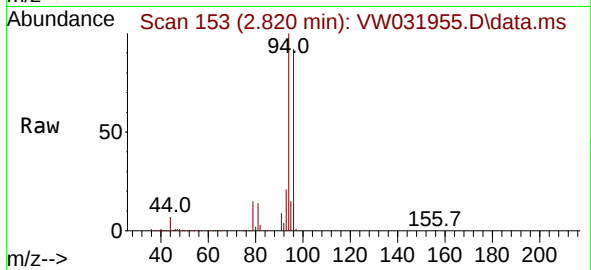




#5  
Bromomethane  
Concen: 47.768 ug/l  
RT: 2.820 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

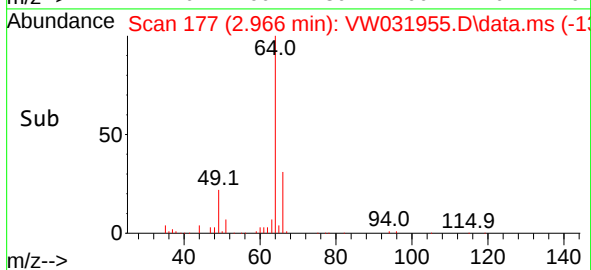
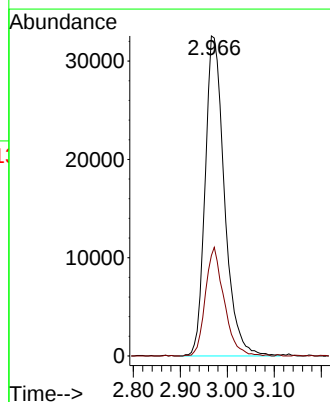
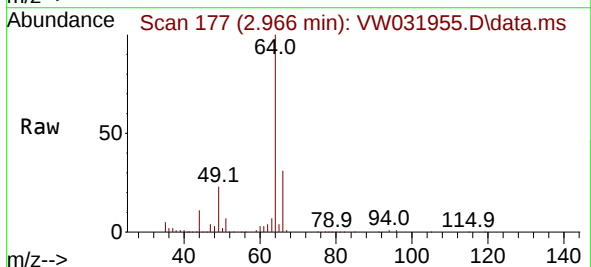
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

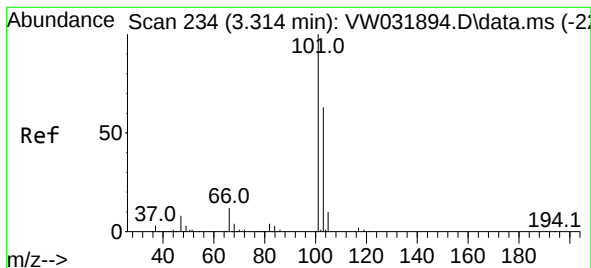
Tgt Ion: 94 Resp: 101656  
Ion Ratio Lower Upper  
94 100  
96 92.5 75.0 112.6



#6  
Chloroethane  
Concen: 48.716 ug/l  
RT: 2.966 min Scan# 177  
Delta R.T. -0.012 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 64 Resp: 92921  
Ion Ratio Lower Upper  
64 100  
66 31.4 25.6 38.4





#7

Trichlorofluoromethane

Concen: 40.837 ug/l

RT: 3.301 min Scan# 21

Delta R.T. -0.012 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

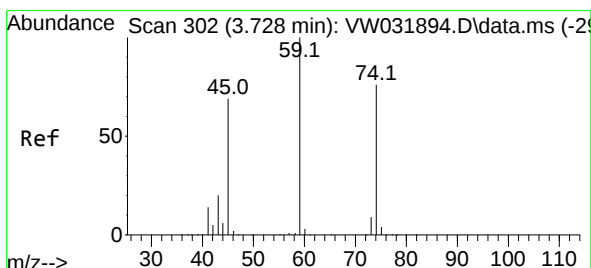
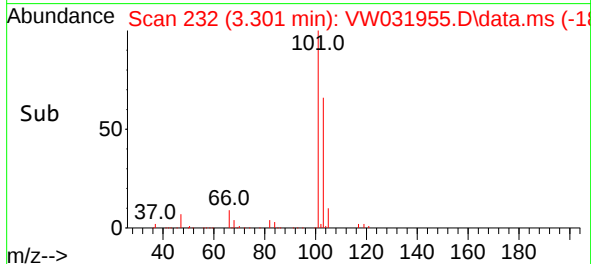
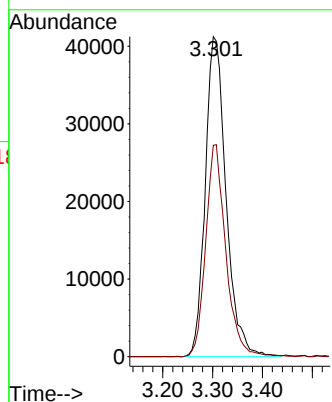
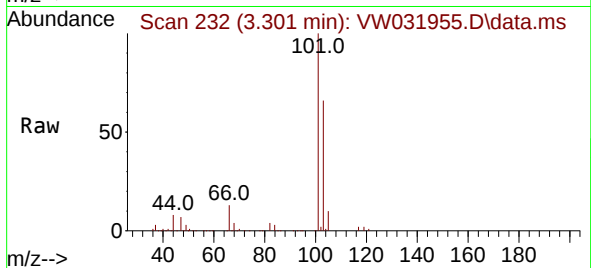
VSTDCCC050

Tgt Ion:101 Resp: 119536

Ion Ratio Lower Upper

101 100

103 66.1 50.7 76.1



#8

Diethyl Ether

Concen: 46.574 ug/l

RT: 3.722 min Scan# 301

Delta R.T. -0.006 min

Lab File: VW031955.D

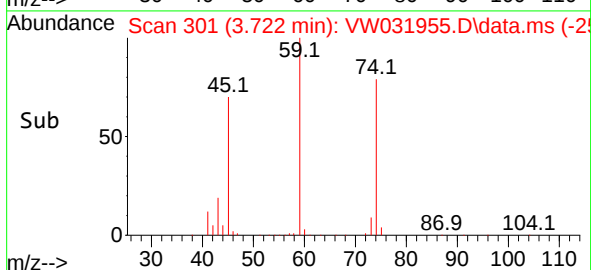
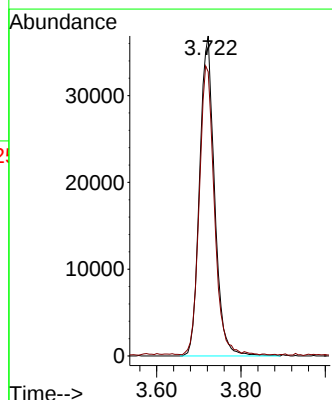
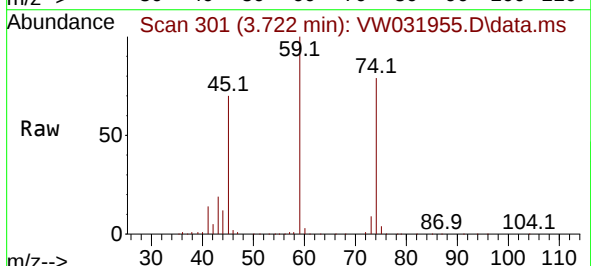
Acq: 30 Jul 2025 10:30

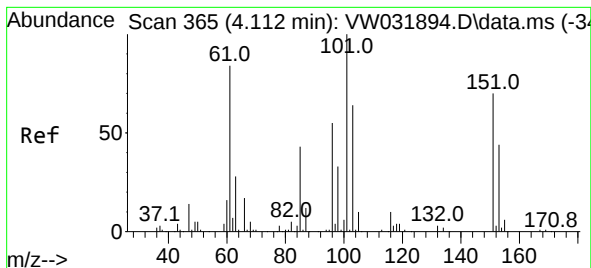
Tgt Ion: 74 Resp: 91067

Ion Ratio Lower Upper

74 100

45 90.6 45.5 136.5

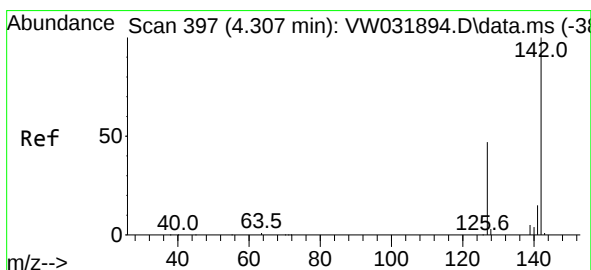
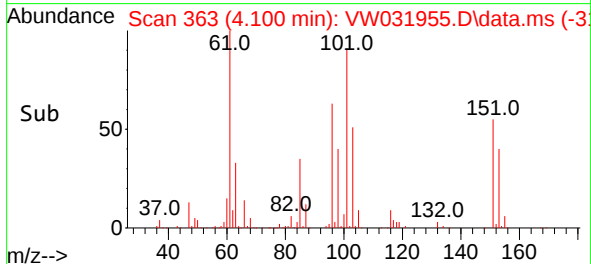
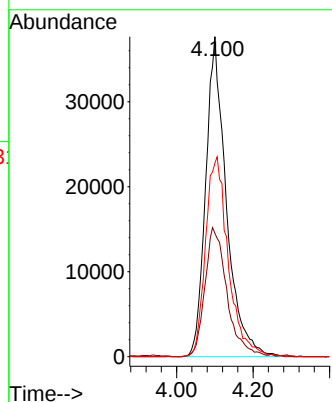
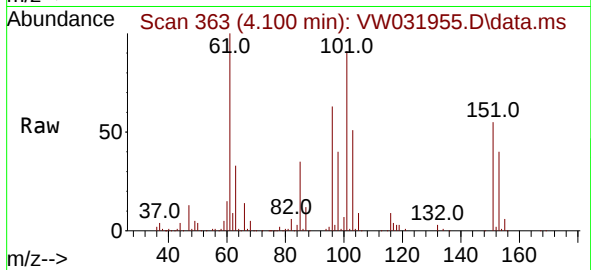




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 50.075 ug/l  
 RT: 4.100 min Scan# 309  
 Delta R.T. -0.012 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

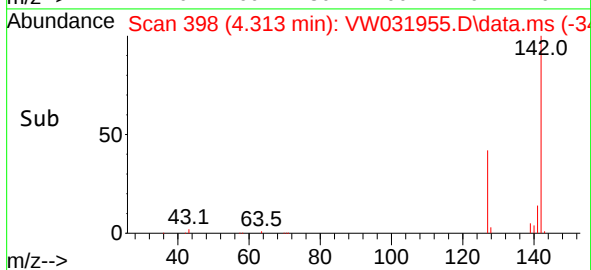
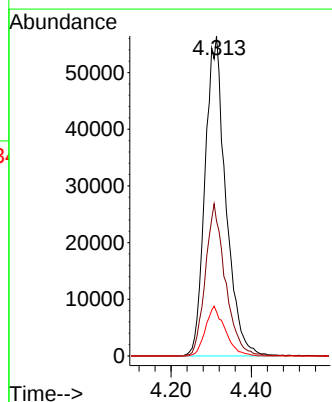
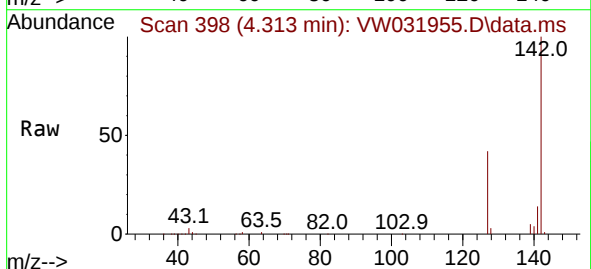
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

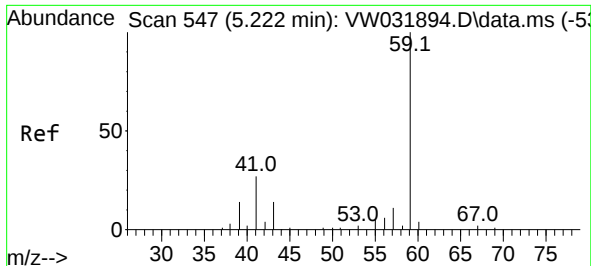
Tgt Ion:101 Resp: 140986  
 Ion Ratio Lower Upper  
 101 100  
 85 43.2 35.5 53.3  
 151 68.9 54.6 81.8



#10  
 Methyl Iodide  
 Concen: 47.999 ug/l  
 RT: 4.313 min Scan# 398  
 Delta R.T. 0.006 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

Tgt Ion:142 Resp: 202058  
 Ion Ratio Lower Upper  
 142 100  
 127 45.8 37.4 56.2  
 141 14.8 11.9 17.9

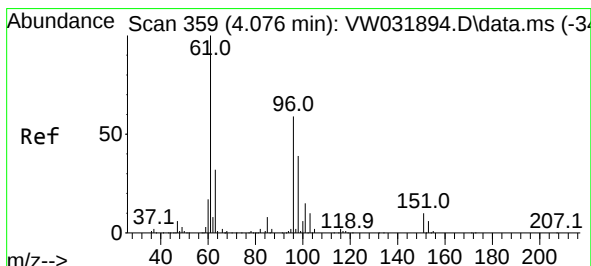
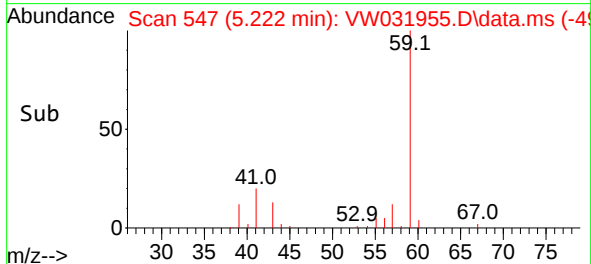
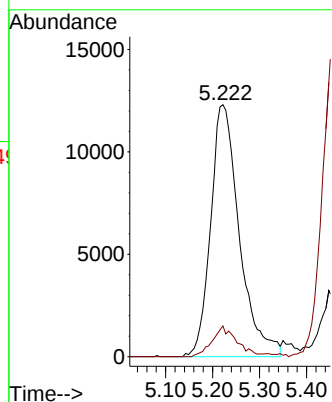
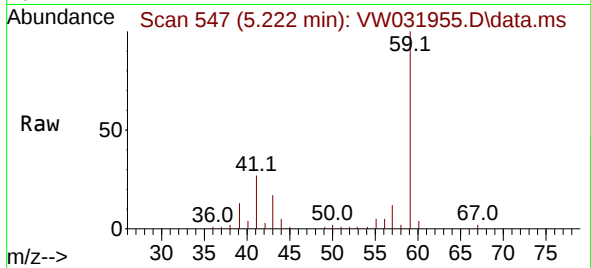




#11  
Tert butyl alcohol  
Concen: 251.700 ug/l  
RT: 5.222 min Scan# 547  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

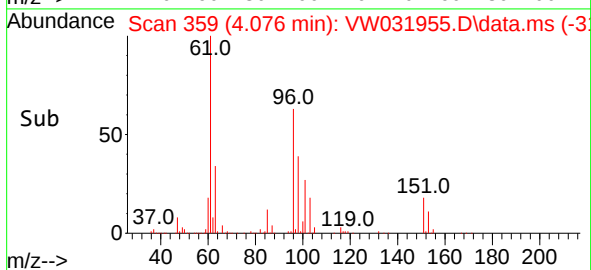
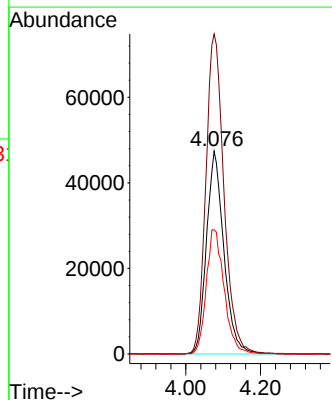
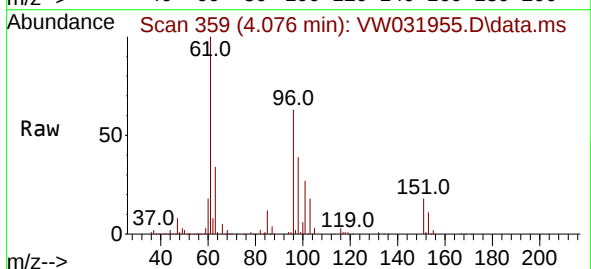
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 59 Resp: 52198  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.6 12.8



#12  
1,1-Dichloroethene  
Concen: 49.356 ug/l  
RT: 4.076 min Scan# 359  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 96 Resp: 153487  
Ion Ratio Lower Upper  
96 100  
61 157.9 135.0 202.6  
98 61.3 52.3 78.5

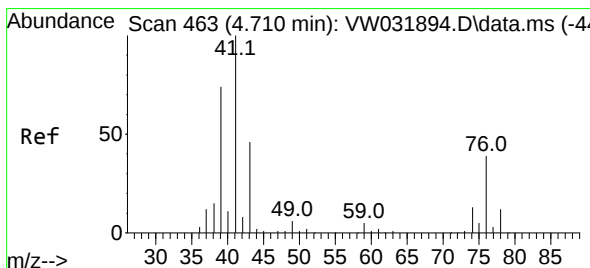
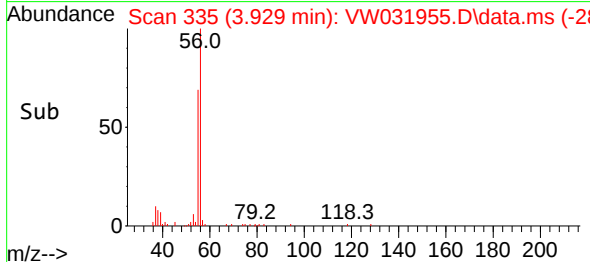
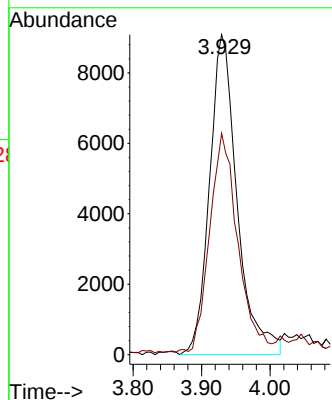
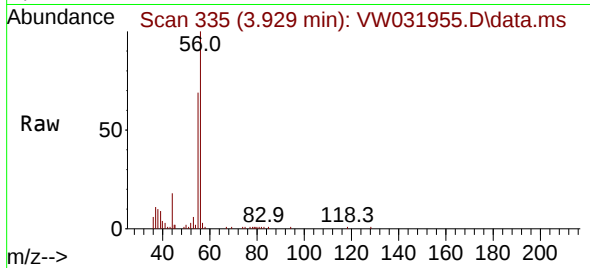




#13  
Acrolein  
Concen: 81.658 ug/l  
RT: 3.929 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

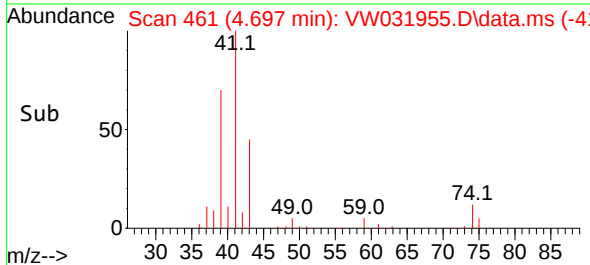
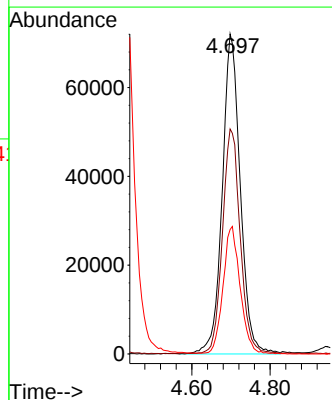
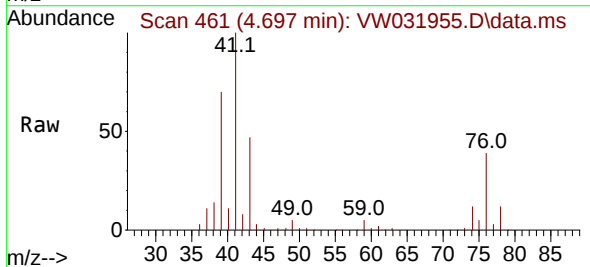
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

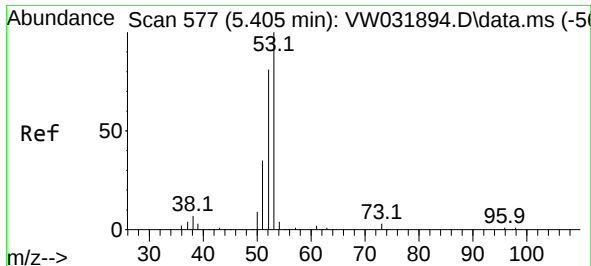
Tgt Ion: 56 Resp: 25474  
Ion Ratio Lower Upper  
56 100  
55 69.4 56.7 85.1



#14  
Allyl chloride  
Concen: 47.695 ug/l  
RT: 4.697 min Scan# 461  
Delta R.T. -0.012 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 41 Resp: 230895  
Ion Ratio Lower Upper  
41 100  
39 69.5 56.6 85.0  
76 38.0 30.1 45.1

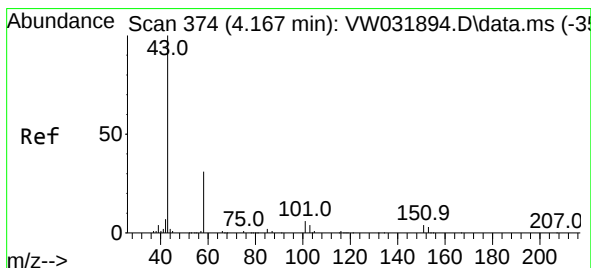
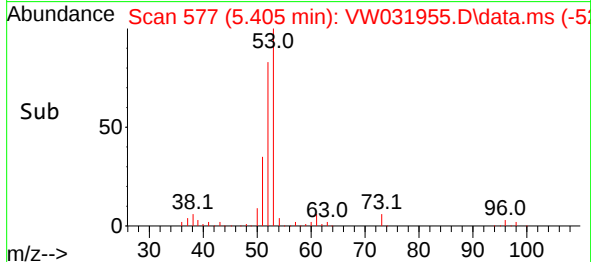
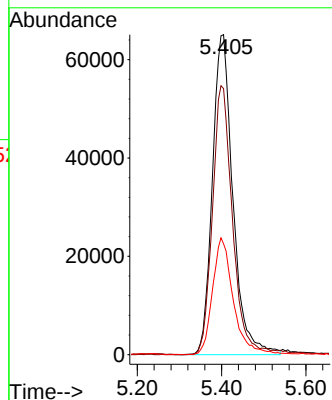
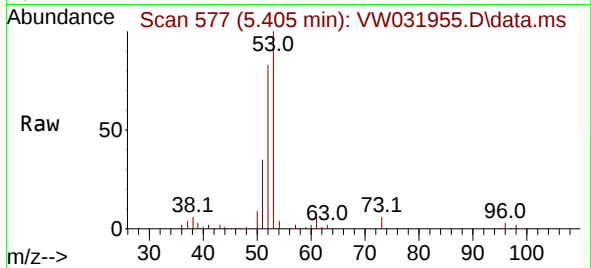




#15  
Acrylonitrile  
Concen: 251.595 ug/l  
RT: 5.405 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

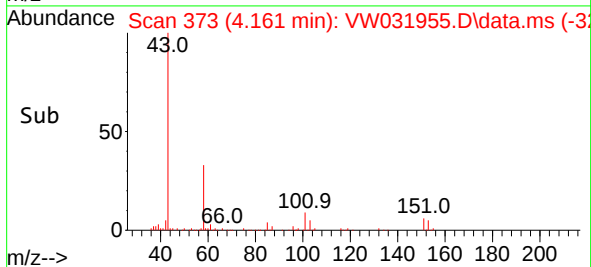
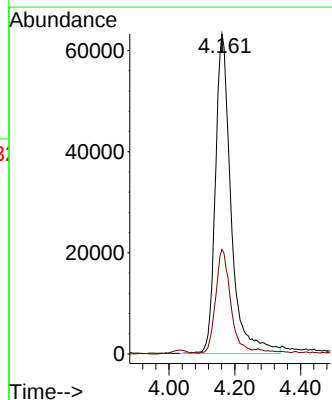
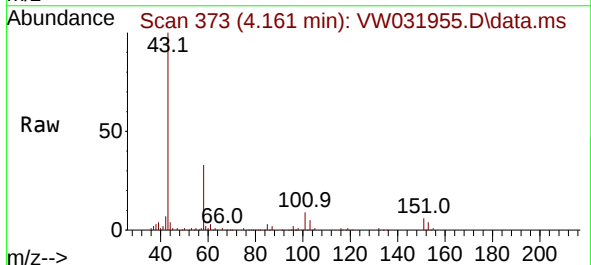
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

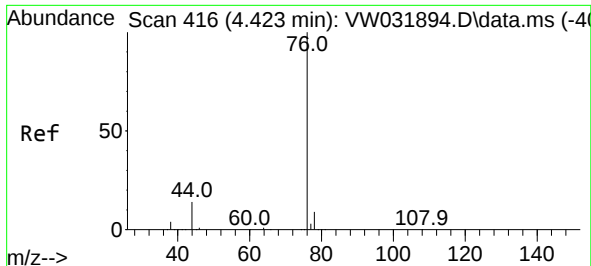
|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 219937 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 82.8     | 67.0 100.4   |
| 51 37.2     | 29.9 44.9    |



#16  
Acetone  
Concen: 250.261 ug/l  
RT: 4.161 min Scan# 373  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 209515 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 31.9     | 25.5 38.3    |

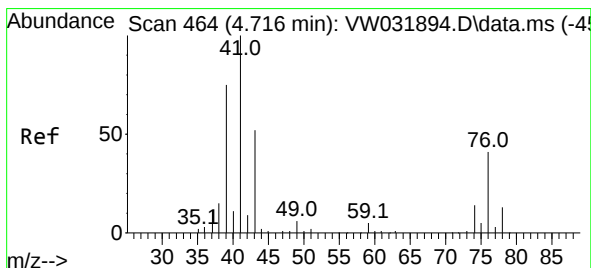
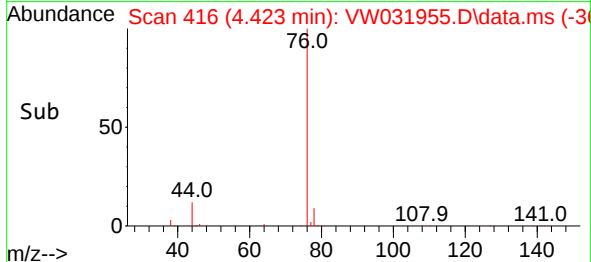
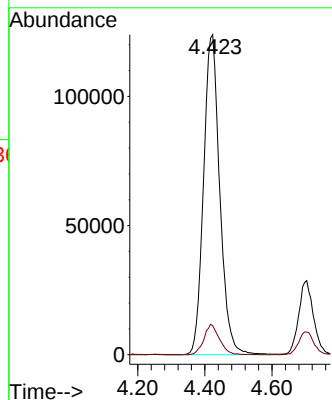
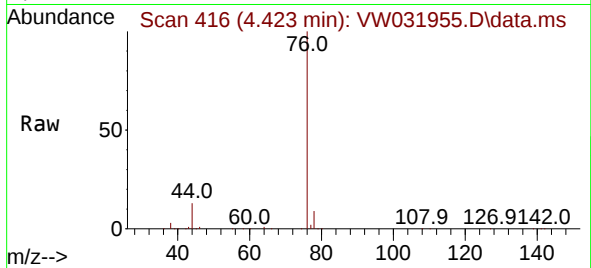




#17  
Carbon Disulfide  
Concen: 51.534 ug/l  
RT: 4.423 min Scan# 416  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

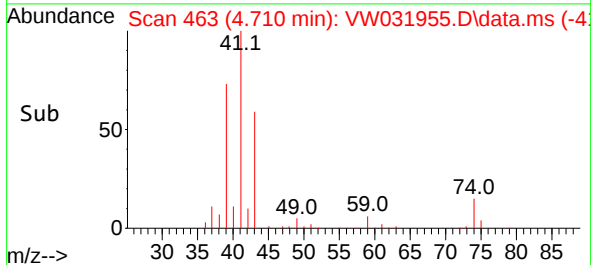
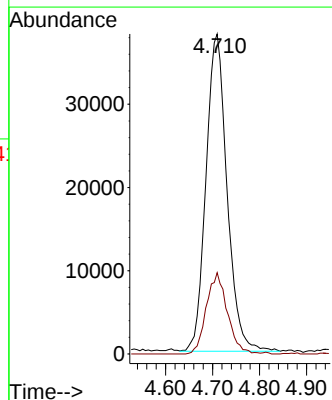
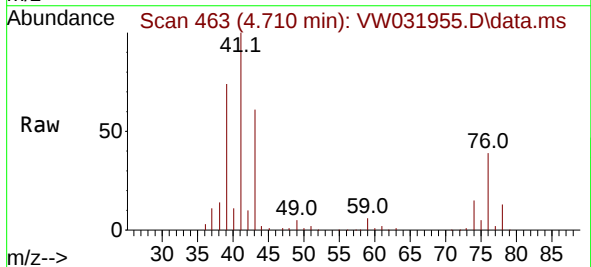
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

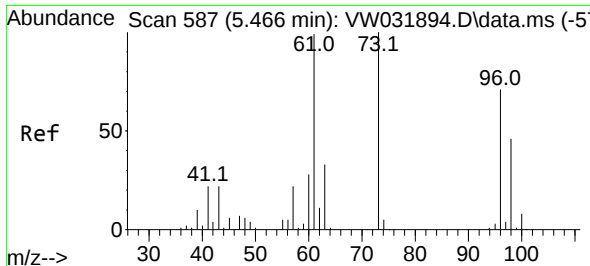
Tgt Ion: 76 Resp: 415628  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.5 11.3



#18  
Methyl Acetate  
Concen: 51.444 ug/l  
RT: 4.710 min Scan# 463  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 43 Resp: 118655  
Ion Ratio Lower Upper  
43 100  
74 25.4 20.6 31.0

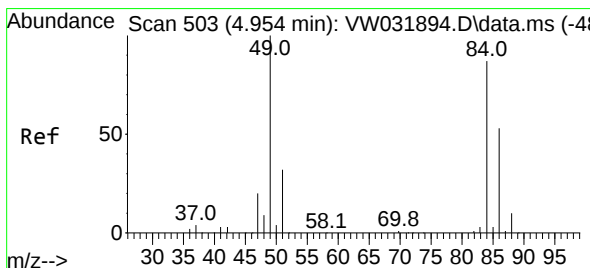
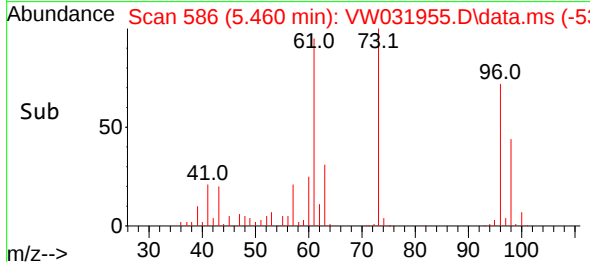
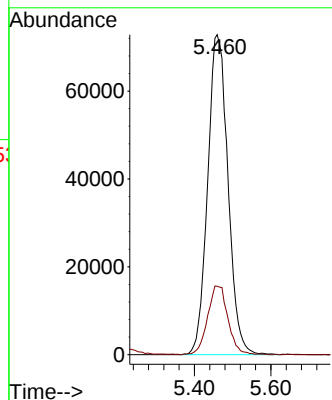
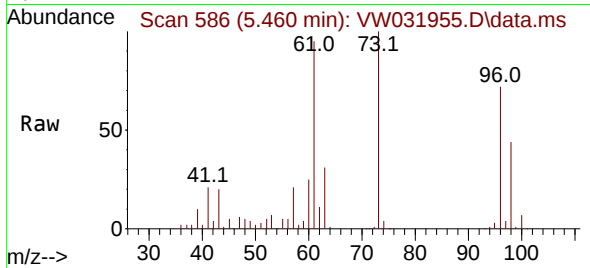




#19  
Methyl tert-butyl Ether  
Concen: 49.984 ug/l  
RT: 5.460 min Scan# 587  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

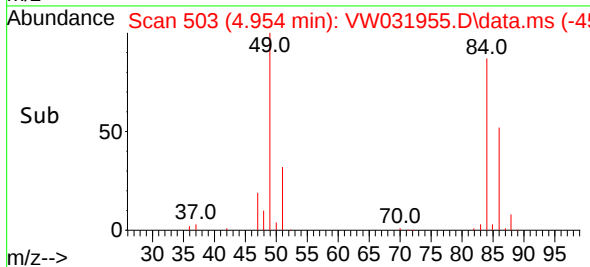
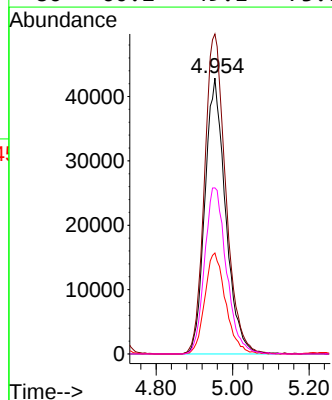
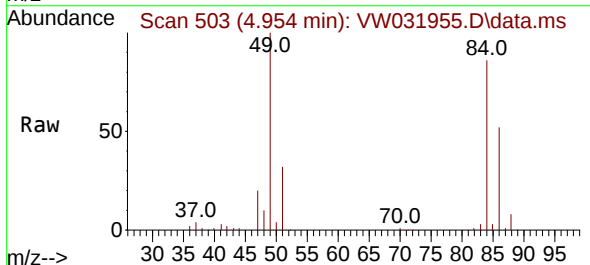
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

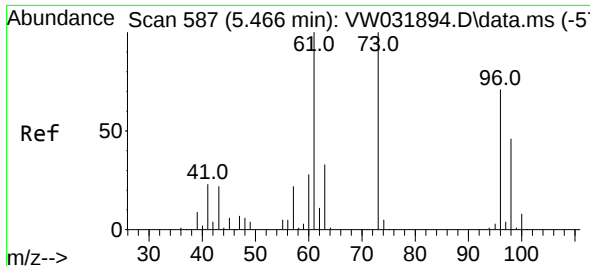
Tgt Ion: 73 Resp: 268574  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.5 26.3



#20  
Methylene Chloride  
Concen: 44.437 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 84 Resp: 160963  
Ion Ratio Lower Upper  
84 100  
49 116.0 91.9 137.9  
51 36.6 29.0 43.6  
86 60.2 49.1 73.7

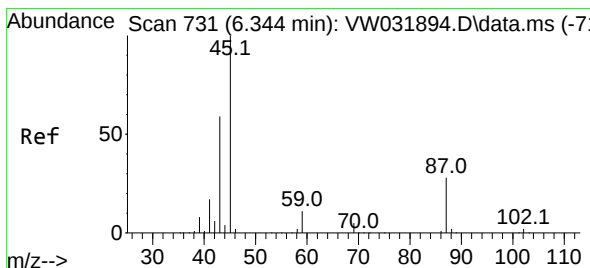
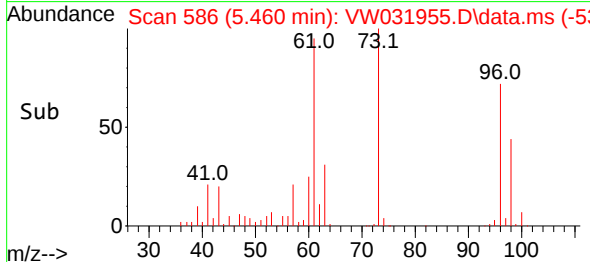
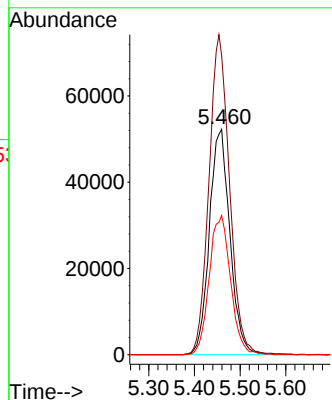
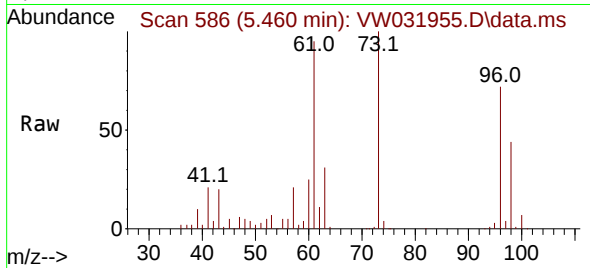




#21  
trans-1,2-Dichloroethene  
Concen: 49.520 ug/l  
RT: 5.460 min Scan# 587  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

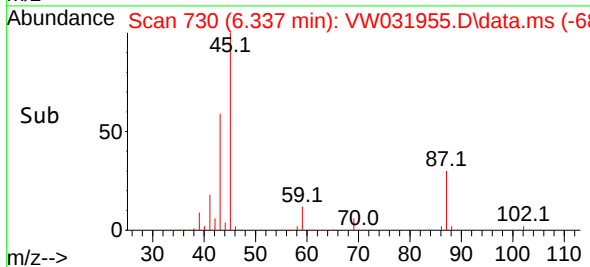
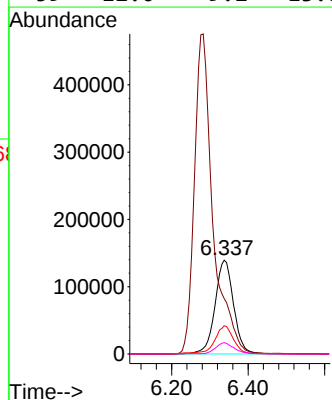
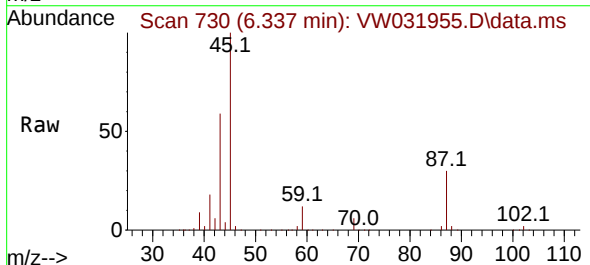
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

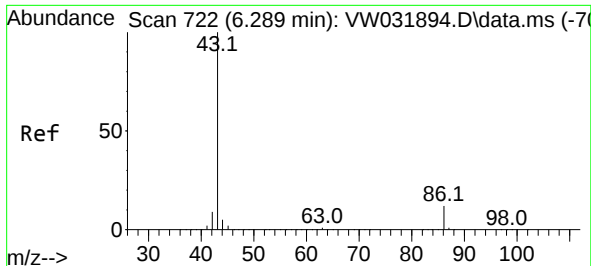
Tgt Ion: 96 Resp: 163392  
Ion Ratio Lower Upper  
96 100  
61 132.7 112.8 169.2  
98 61.8 51.9 77.9



#22  
Diisopropyl ether  
Concen: 48.332 ug/l  
RT: 6.337 min Scan# 730  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 45 Resp: 468183  
Ion Ratio Lower Upper  
45 100  
43 58.4 47.0 70.6  
87 29.9 22.8 34.2  
59 12.0 9.2 13.8

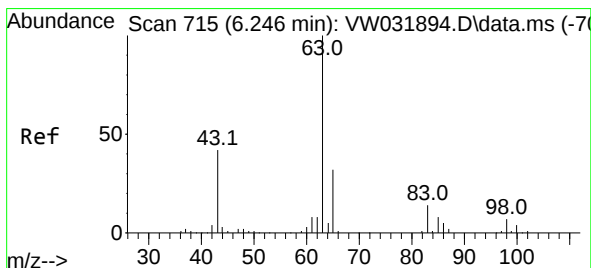
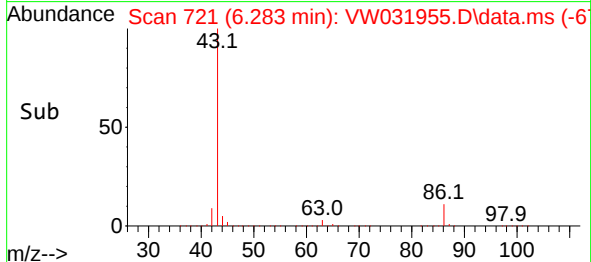
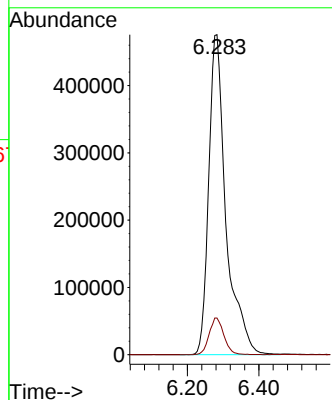
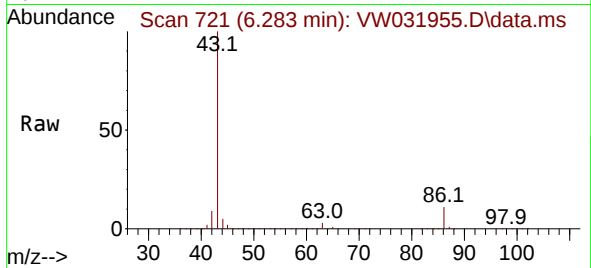




#23  
 Vinyl Acetate  
 Concen: 252.068 ug/l  
 RT: 6.283 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

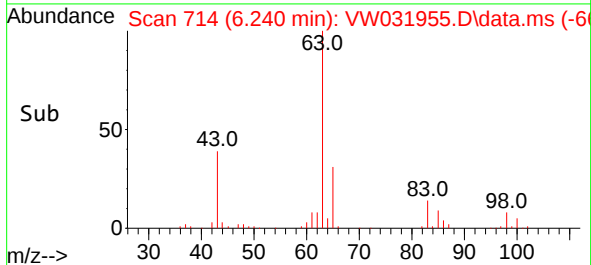
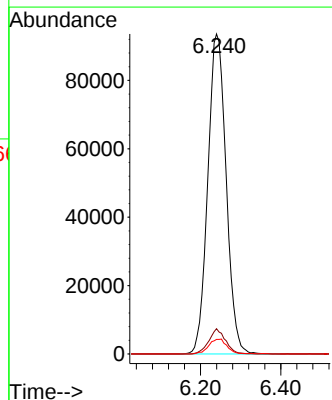
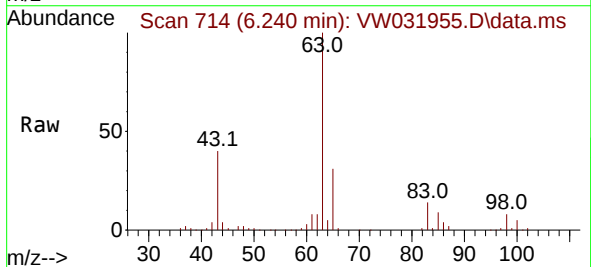
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

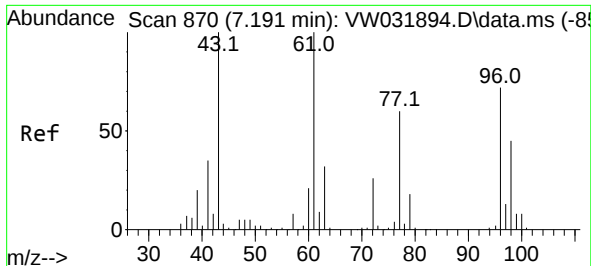
Tgt Ion: 43 Resp: 1595232  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 9.4 14.2



#24  
 1,1-Dichloroethane  
 Concen: 49.292 ug/l  
 RT: 6.240 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

Tgt Ion: 63 Resp: 297289  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 3.6 10.9  
 100 4.6 2.2 6.6

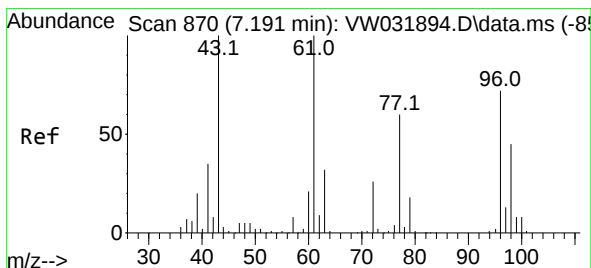
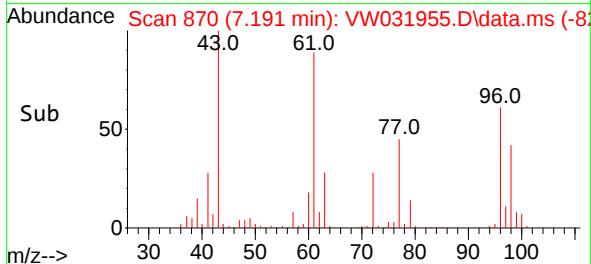
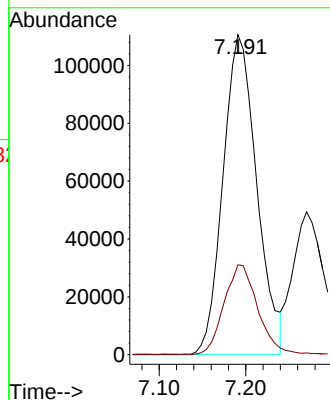
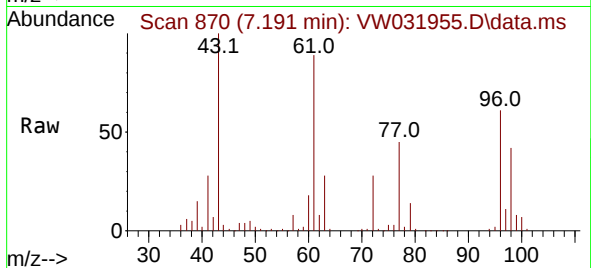




#25  
2-Butanone  
Concen: 260.812 ug/l  
RT: 7.191 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

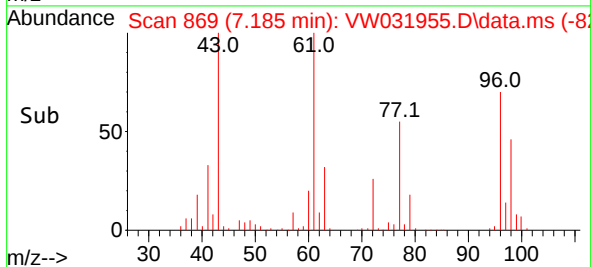
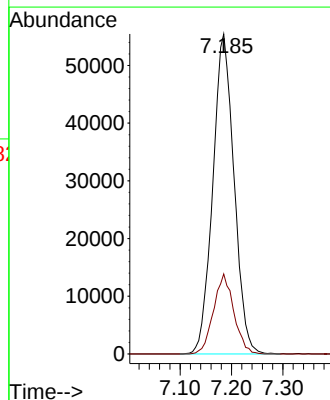
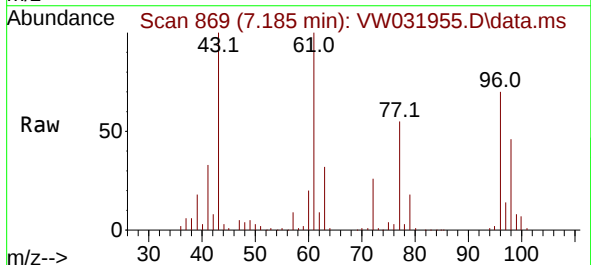
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

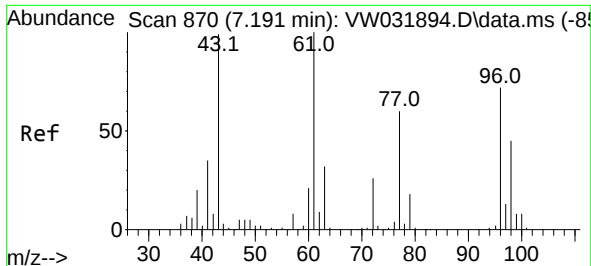
Tgt Ion: 43 Resp: 298748  
Ion Ratio Lower Upper  
43 100  
72 28.1 20.8 31.2



#26  
2,2-Dichloropropane  
Concen: 46.653 ug/l  
RT: 7.185 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 77 Resp: 159296  
Ion Ratio Lower Upper  
77 100  
97 23.8 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.798 ug/l

RT: 7.185 min Scan# 8

Delta R.T. -0.006 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

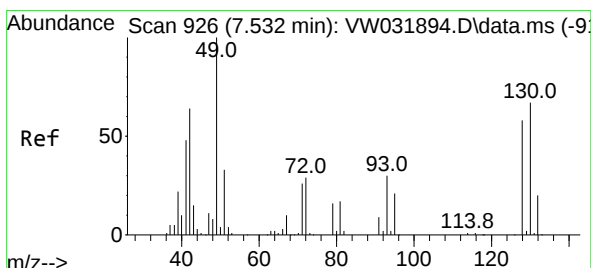
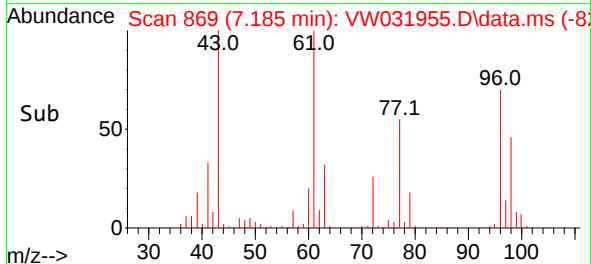
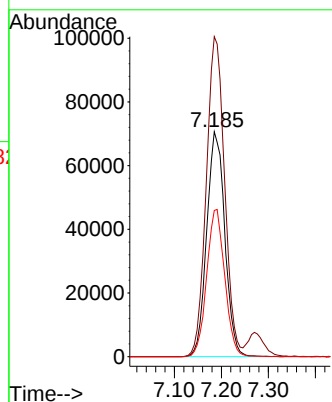
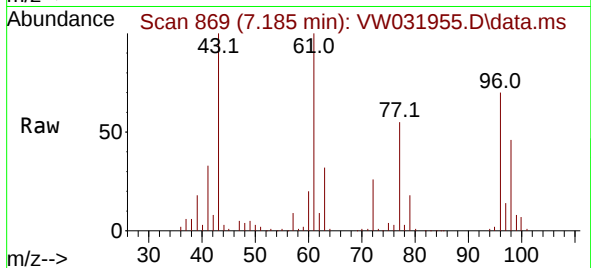
Tgt Ion: 96 Resp: 189288

Ion Ratio Lower Upper

96 100

61 143.6 0.0 280.2

98 65.2 0.0 126.8



#28

Bromochloromethane

Concen: 43.780 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

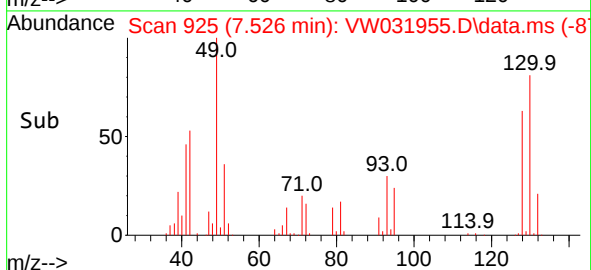
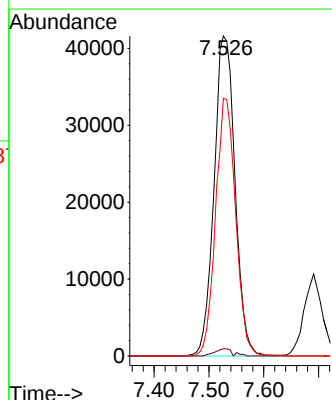
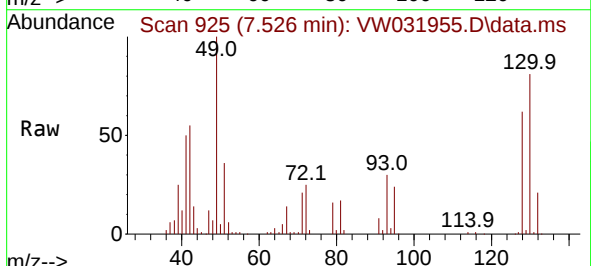
Tgt Ion: 49 Resp: 110553

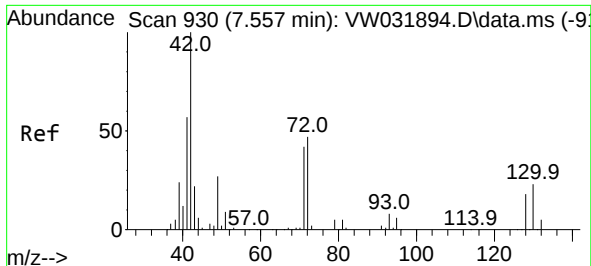
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.4

130 76.9 59.0 88.4





#29

Tetrahydrofuran

Concen: 255.241 ug/l

RT: 7.551 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

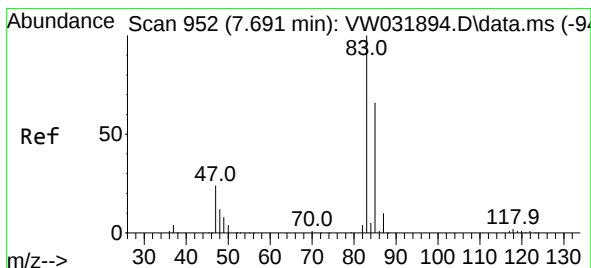
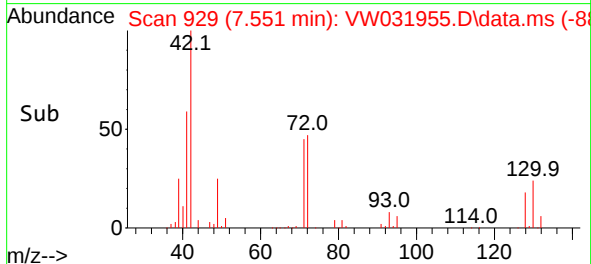
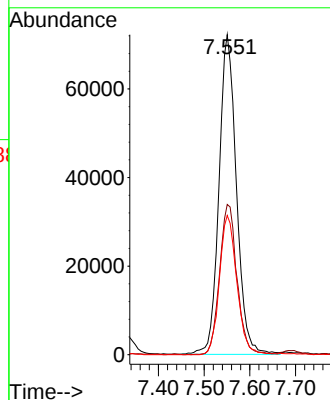
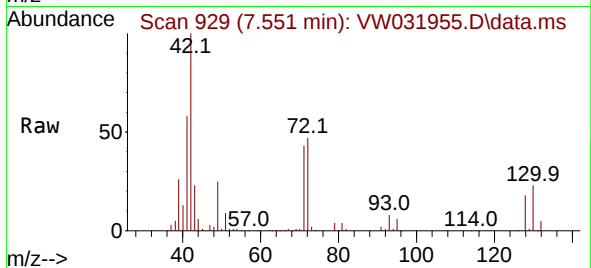
Tgt Ion: 42 Resp: 191684

Ion Ratio Lower Upper

42 100

72 46.9 37.0 55.6

71 43.4 34.5 51.7



#30

Chloroform

Concen: 49.527 ug/l

RT: 7.691 min Scan# 952

Delta R.T. -0.000 min

Lab File: VW031955.D

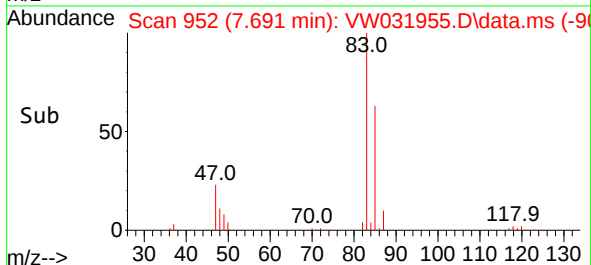
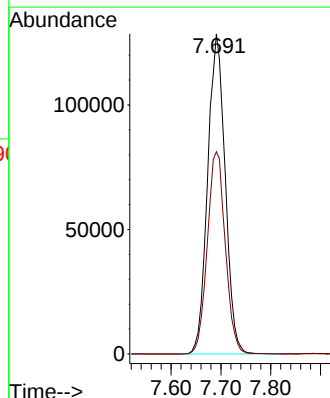
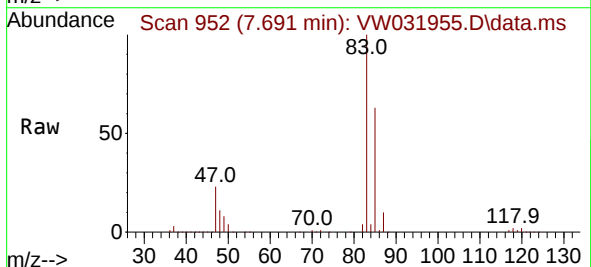
Acq: 30 Jul 2025 10:30

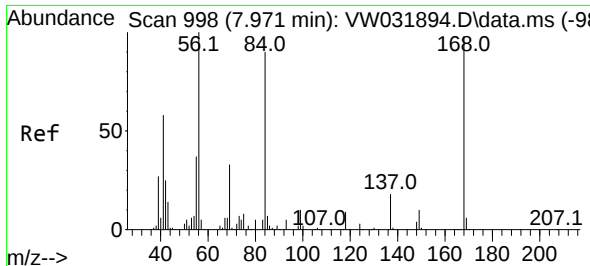
Tgt Ion: 83 Resp: 313195

Ion Ratio Lower Upper

83 100

85 63.2 52.6 78.8

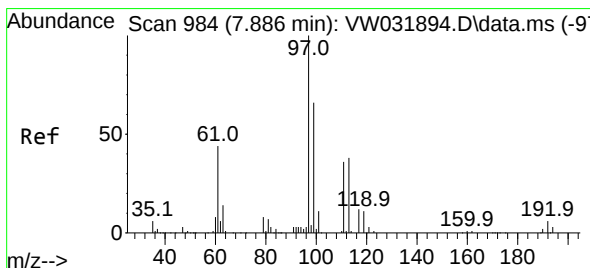
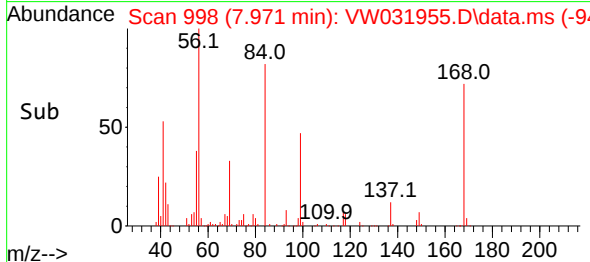
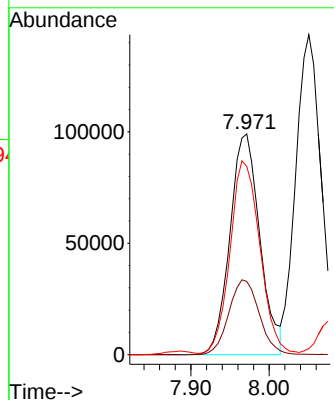
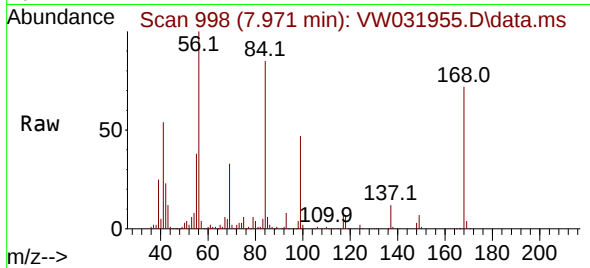




#31  
Cyclohexane  
Concen: 48.691 ug/l  
RT: 7.971 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

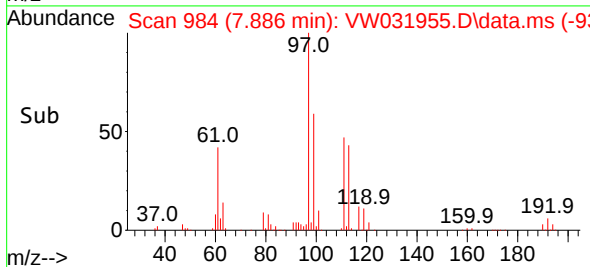
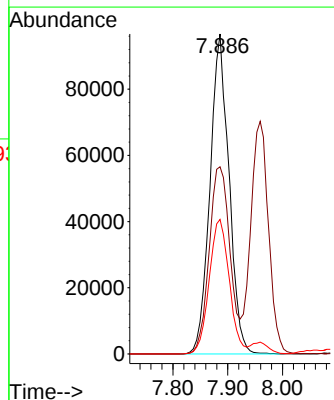
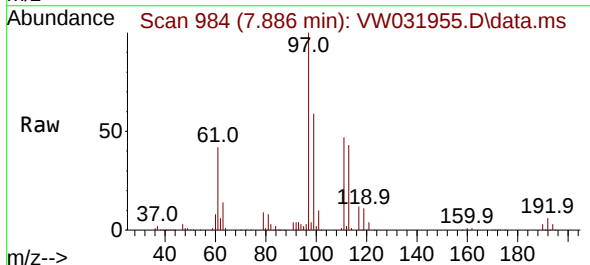
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

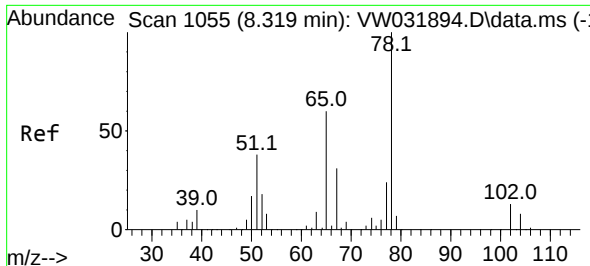
Tgt Ion: 56 Resp: 263457  
Ion Ratio Lower Upper  
56 100  
69 33.2 26.7 40.1  
84 83.6 71.8 107.6



#32  
1,1,1-Trichloroethane  
Concen: 48.280 ug/l  
RT: 7.886 min Scan# 984  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 97 Resp: 232325  
Ion Ratio Lower Upper  
97 100  
99 64.2 53.0 79.4  
61 44.5 35.4 53.0

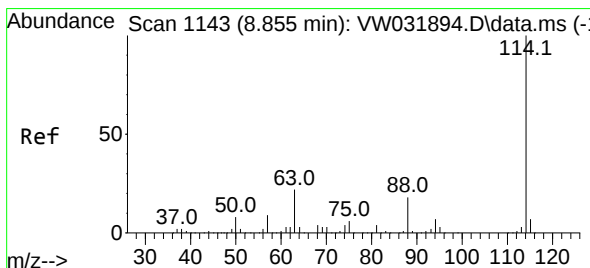
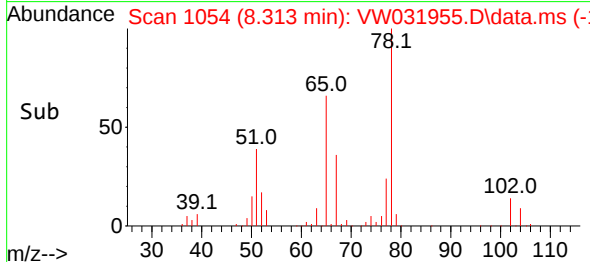
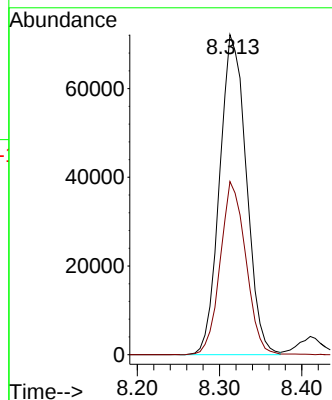
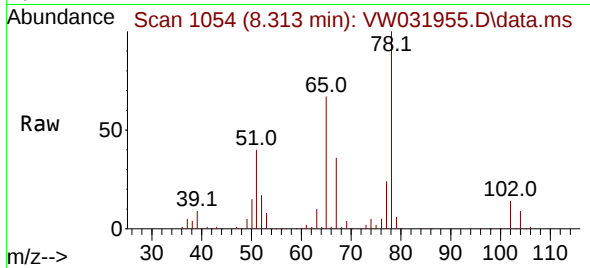




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.135 ug/l  
 RT: 8.313 min Scan# 1054  
 Delta R.T. -0.006 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

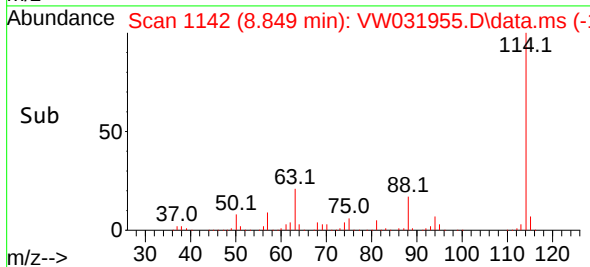
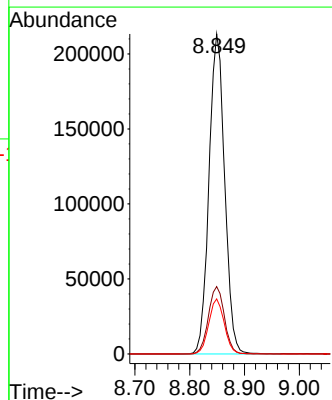
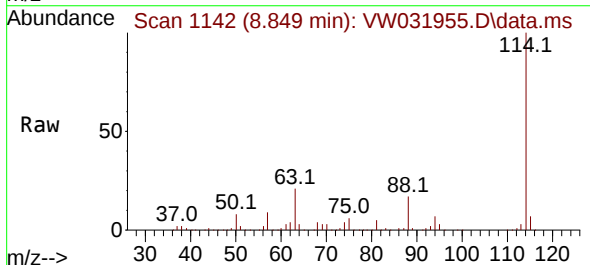
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

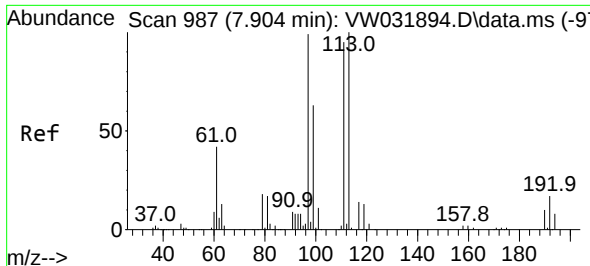
Tgt Ion: 65 Resp: 162766  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. -0.006 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

Tgt Ion: 114 Resp: 421345  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 44.2  
 88 17.2 0.0 35.6

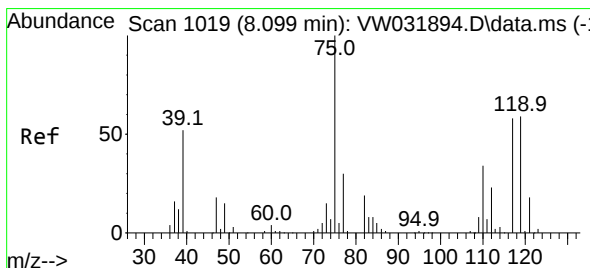
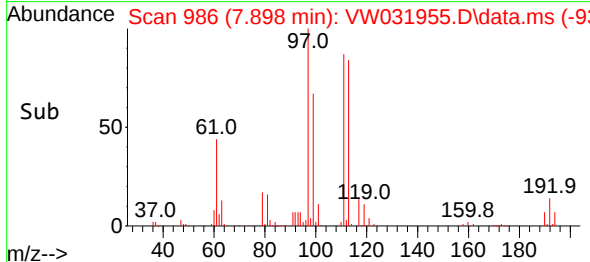
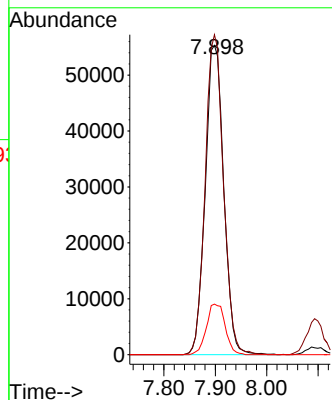
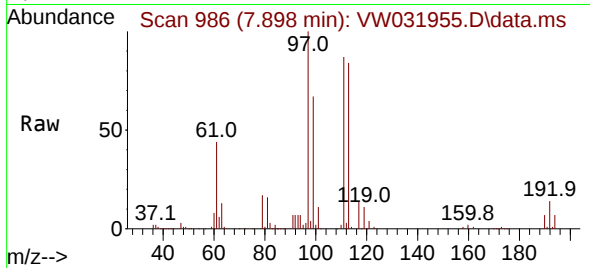




#35  
Dibromofluoromethane  
Concen: 48.270 ug/l  
RT: 7.898 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

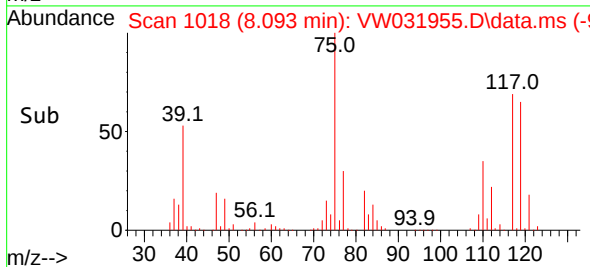
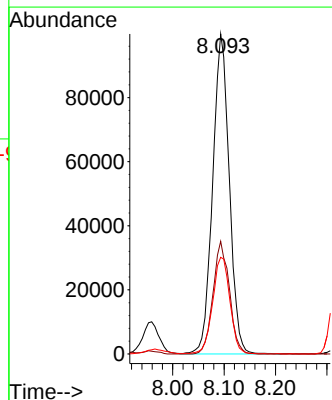
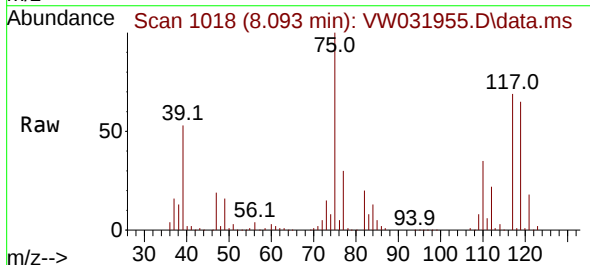
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

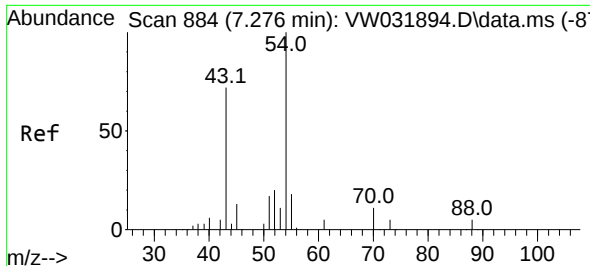
Tgt Ion:113 Resp: 138203  
Ion Ratio Lower Upper  
113 100  
111 102.1 79.9 119.9  
192 16.6 12.6 19.0



#36  
1,1-Dichloropropene  
Concen: 51.003 ug/l  
RT: 8.093 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 75 Resp: 224257  
Ion Ratio Lower Upper  
75 100  
110 34.5 17.0 50.9  
77 31.5 25.1 37.7

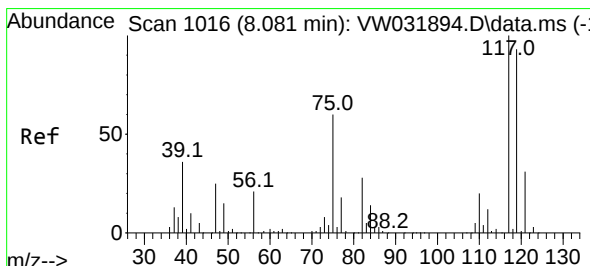
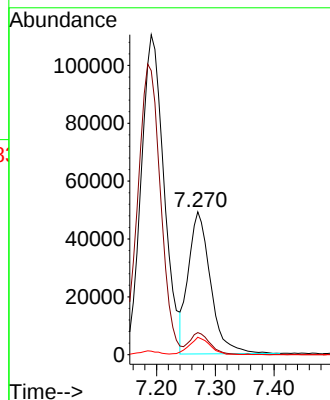
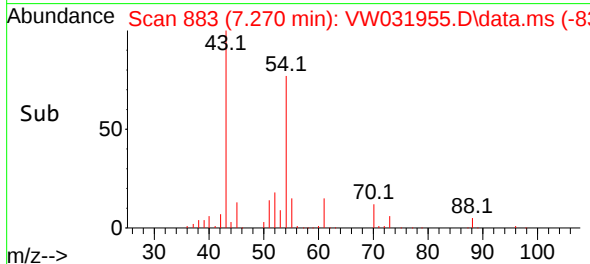
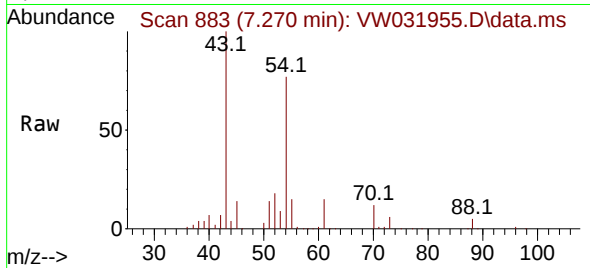




#37  
Ethyl Acetate  
Concen: 51.239 ug/l  
RT: 7.270 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

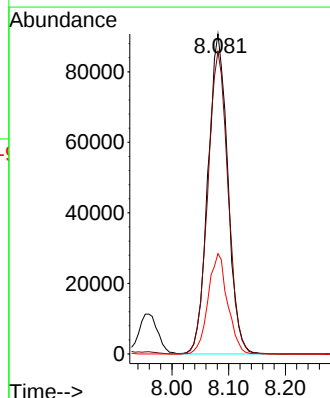
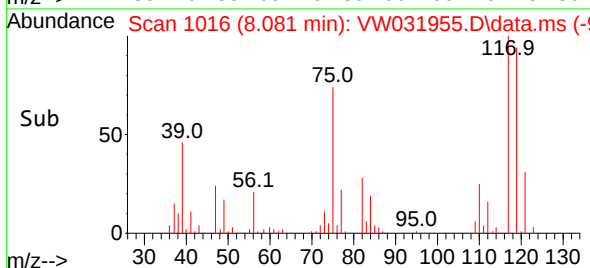
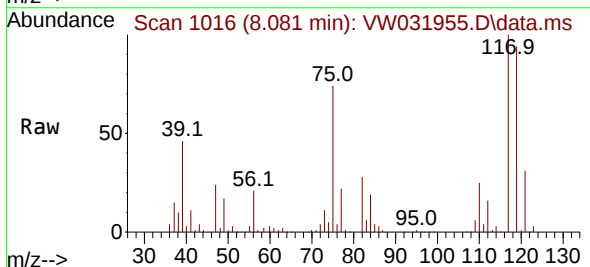
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MSVOA\_W  
ClientSampleId :  
VSTDCCC050

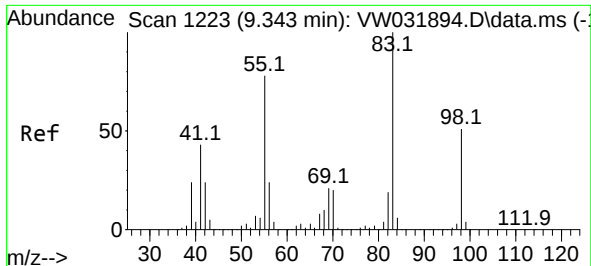
Tgt Ion: 43 Resp: 128520  
Ion Ratio Lower Upper  
43 100  
61 13.8 10.6 15.8  
70 11.4 9.0 13.4



#38  
Carbon Tetrachloride  
Concen: 52.120 ug/l  
RT: 8.081 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 117 Resp: 219936  
Ion Ratio Lower Upper  
117 100  
119 94.5 74.3 111.5  
121 31.4 24.6 37.0





#39

Methylcyclohexane

Concen: 51.920 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

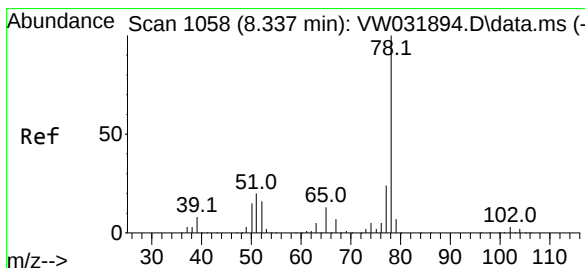
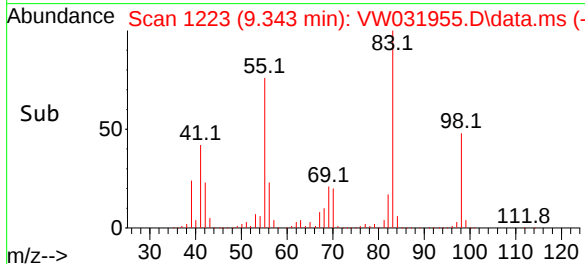
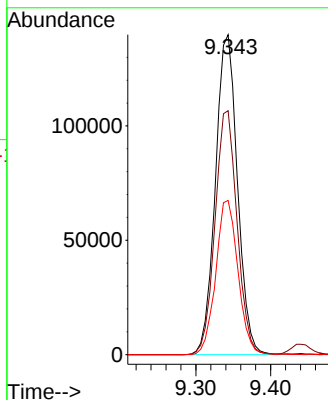
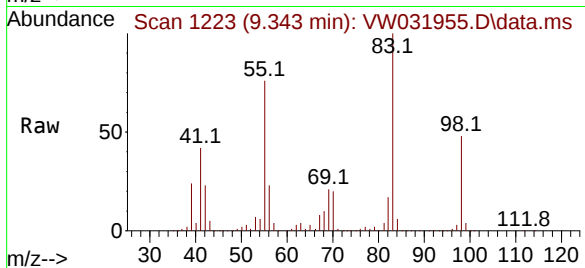
Tgt Ion: 83 Resp: 287290

Ion Ratio Lower Upper

83 100

55 76.3 62.5 93.7

98 48.2 40.6 61.0



#40

Benzene

Concen: 51.604 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VW031955.D

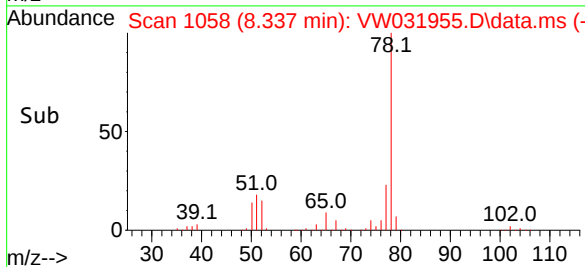
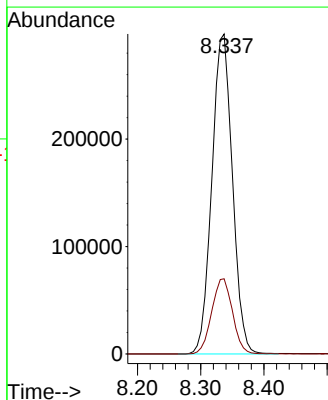
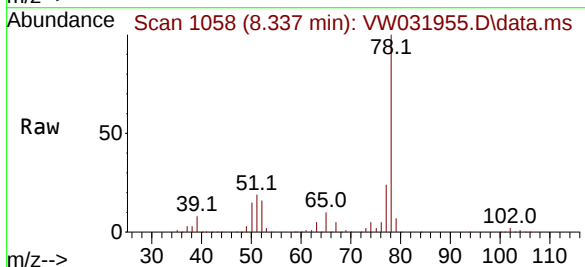
Acq: 30 Jul 2025 10:30

Tgt Ion: 78 Resp: 671668

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9

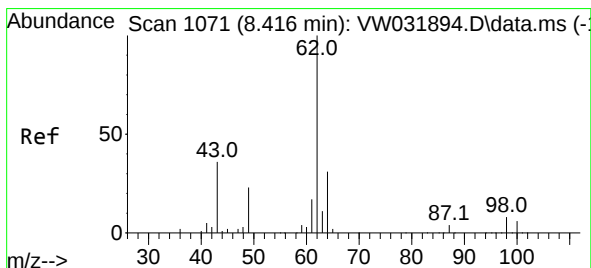
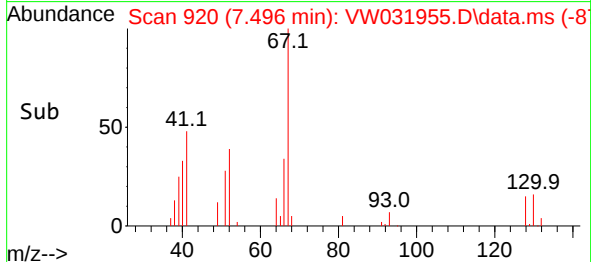
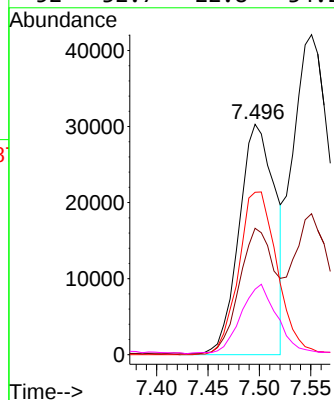
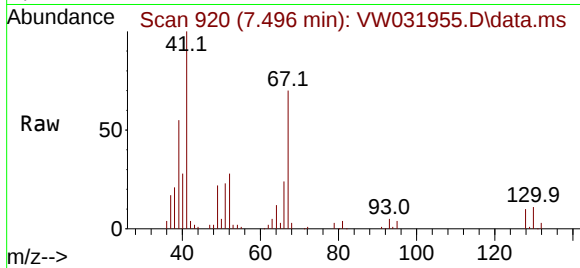




#41  
Methacrylonitrile  
Concen: 49.379 ug/l  
RT: 7.496 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

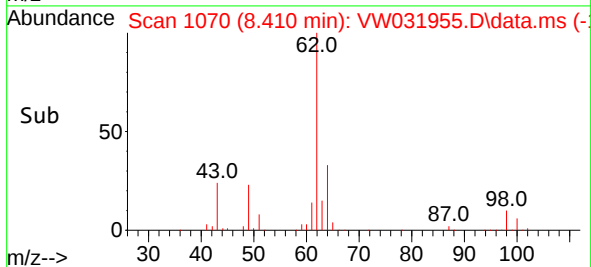
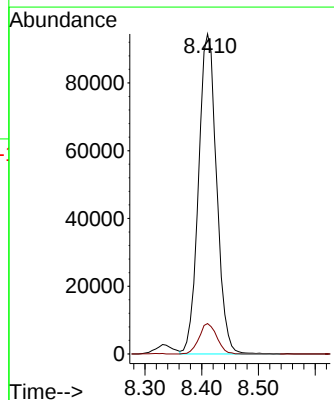
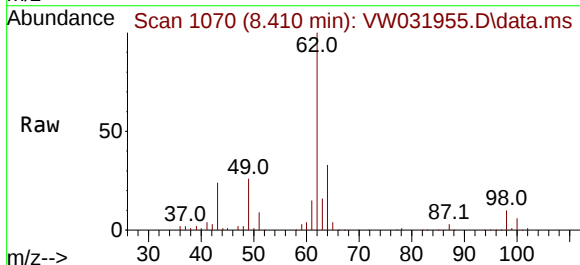
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

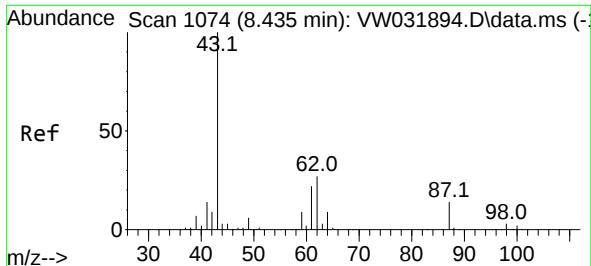
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 74141 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 53.3     | 41.1 61.7   |
| 67 76.1     | 56.2 84.4   |
| 52 32.7     | 22.8 34.2   |



#42  
1,2-Dichloroethane  
Concen: 50.175 ug/l  
RT: 8.410 min Scan# 1070  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 209010 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 9.3      | 0.0 18.2     |

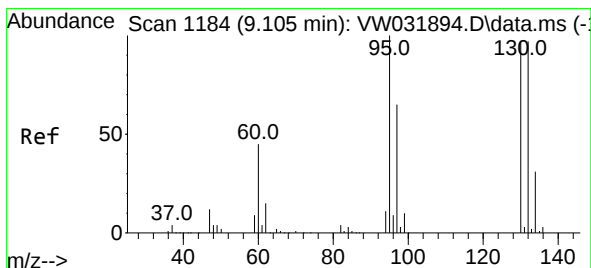
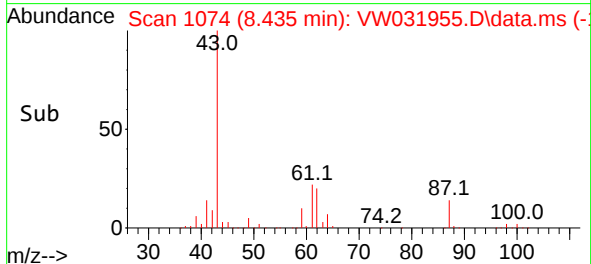
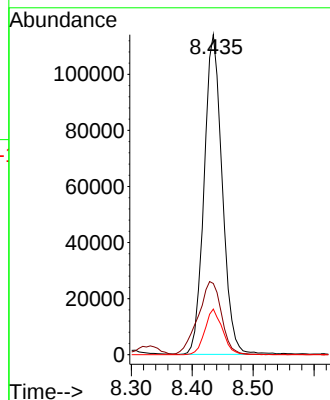
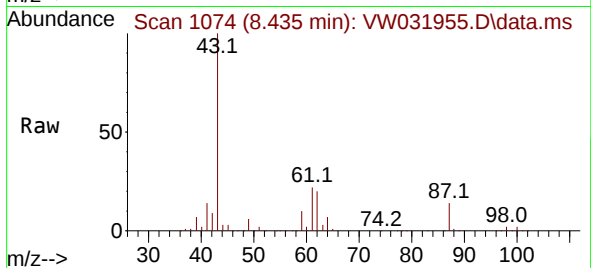




#43  
Isopropyl Acetate  
Concen: 51.892 ug/l  
RT: 8.435 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

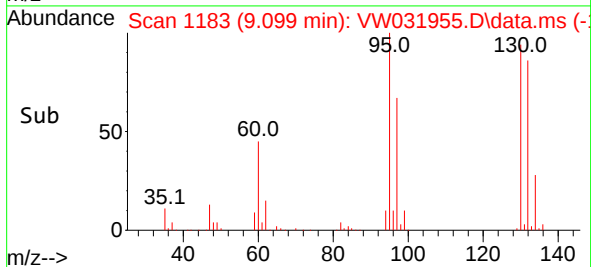
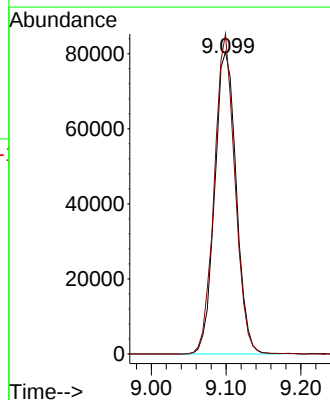
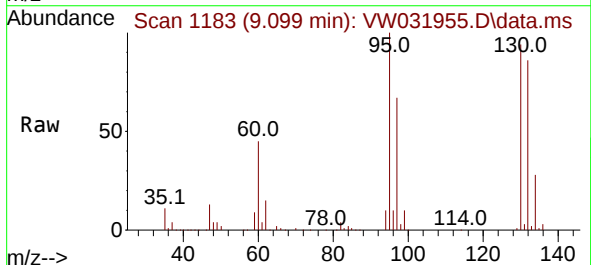
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

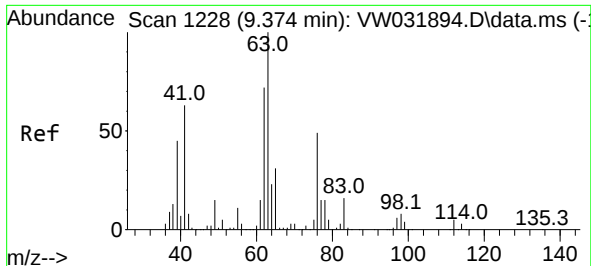
Tgt Ion: 43 Resp: 235630  
Ion Ratio Lower Upper  
43 100  
61 29.7 24.0 36.0  
87 13.9 11.1 16.7



#44  
Trichloroethene  
Concen: 52.178 ug/l  
RT: 9.099 min Scan# 1183  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:130 Resp: 161427  
Ion Ratio Lower Upper  
130 100  
95 105.9 0.0 206.4





#45

1,2-Dichloropropane

Concen: 50.534 ug/l

RT: 9.373 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

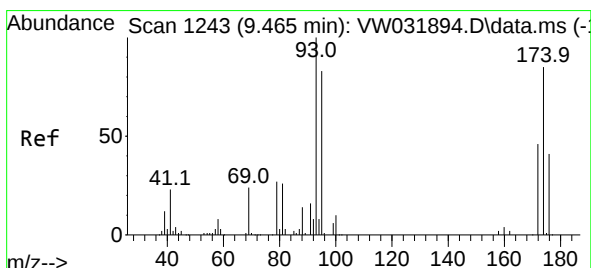
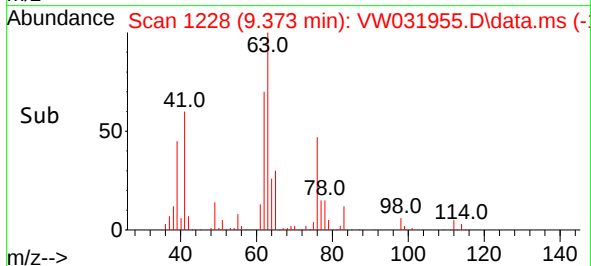
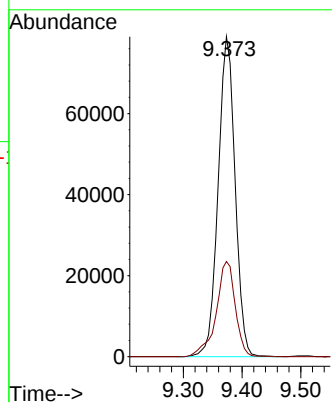
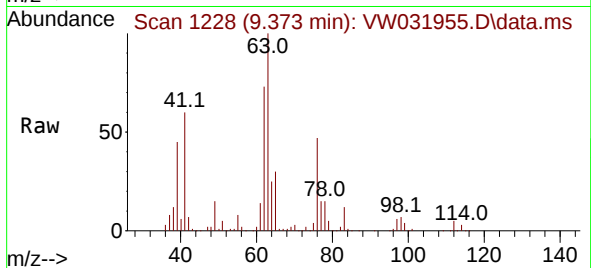
VSTDCCC050

Tgt Ion: 63 Resp: 158405

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.4



#46

Dibromomethane

Concen: 51.406 ug/l

RT: 9.465 min Scan# 1243

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

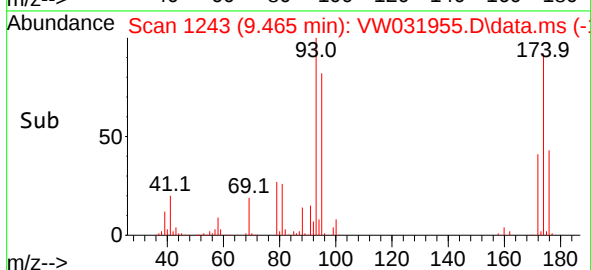
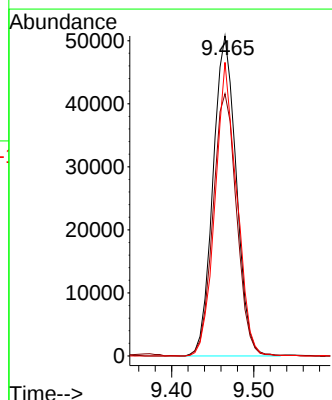
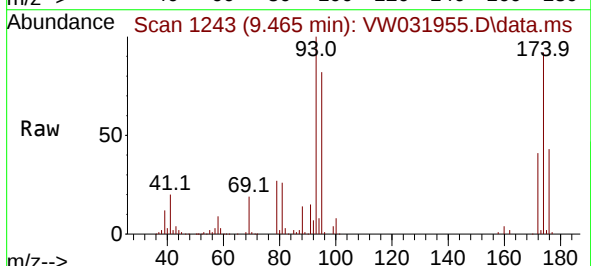
Tgt Ion: 93 Resp: 99889

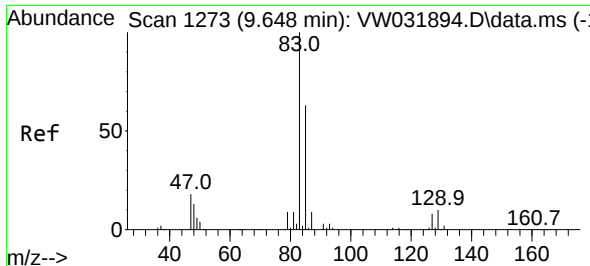
Ion Ratio Lower Upper

93 100

95 83.2 65.8 98.6

174 85.7 70.2 105.2

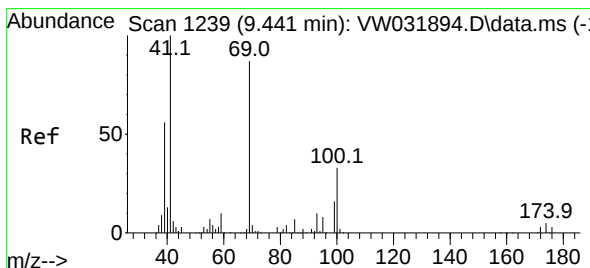
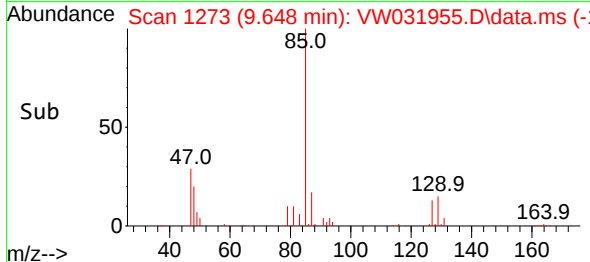
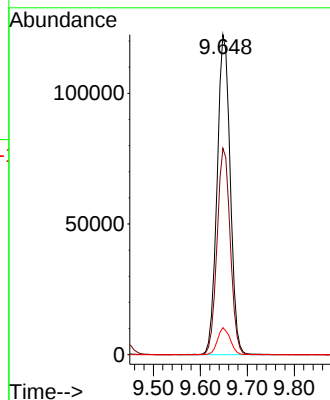
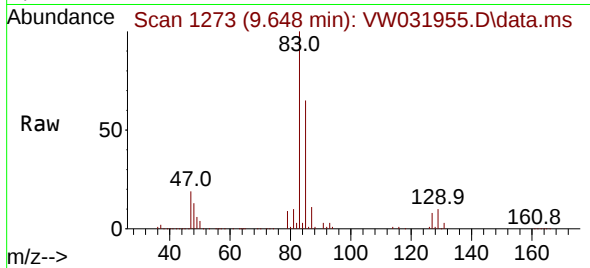




#47  
Bromodichloromethane  
Concen: 50.943 ug/l  
RT: 9.648 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

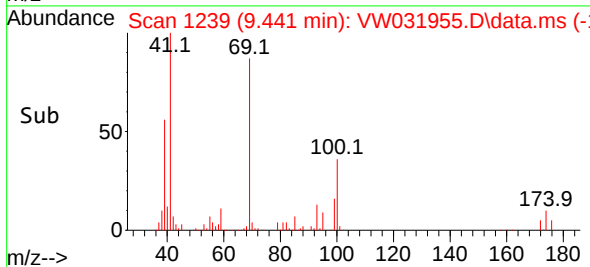
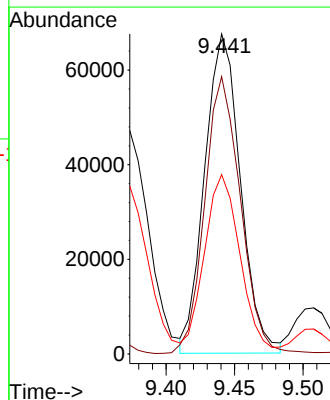
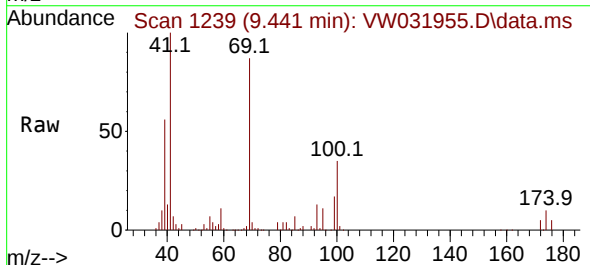
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

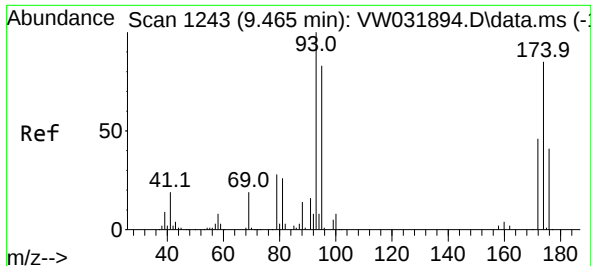
Tgt Ion: 83 Resp: 237367  
Ion Ratio Lower Upper  
83 100  
85 64.5 50.6 76.0  
127 8.5 6.5 9.7



#48  
Methyl methacrylate  
Concen: 56.736 ug/l  
RT: 9.441 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 41 Resp: 122567  
Ion Ratio Lower Upper  
41 100  
69 87.1 73.6 110.4  
39 51.6 45.5 68.3





#49

1,4-Dioxane

Concen: 1118.307 ug/l

RT: 9.465 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

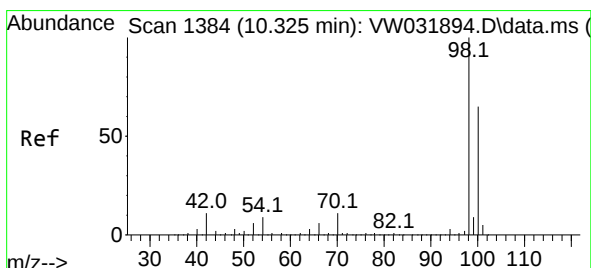
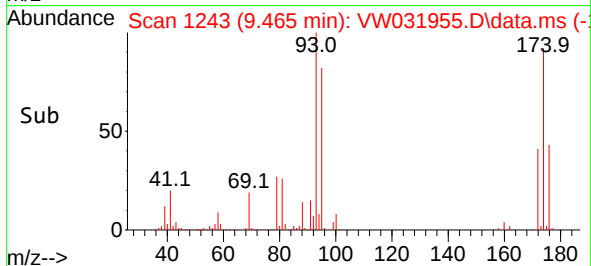
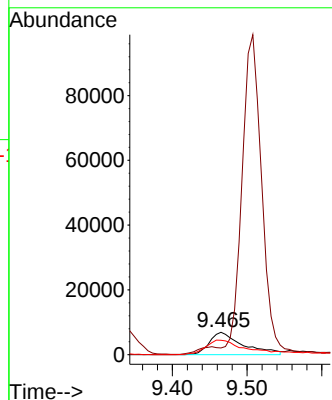
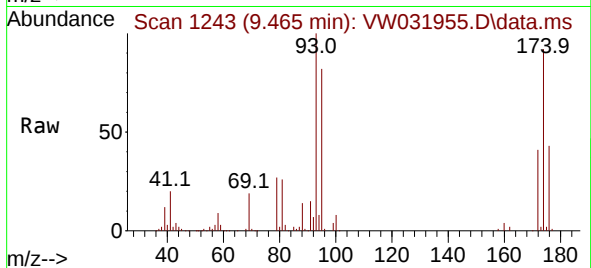
Tgt Ion: 88 Resp: 21683

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.4#

58 84.5 58.2 87.2



#50

Toluene-d8

Concen: 48.419 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW031955.D

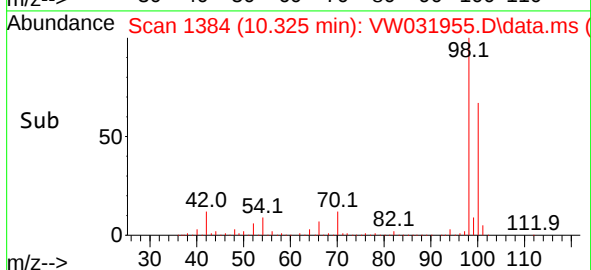
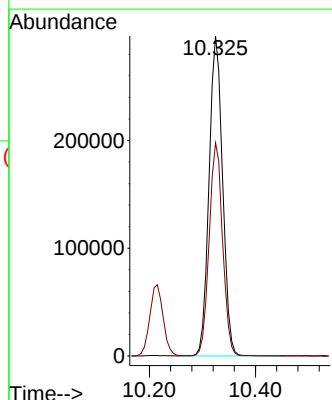
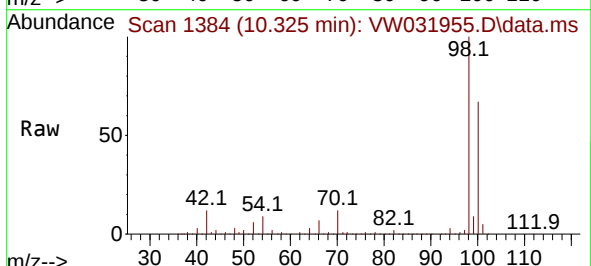
Acq: 30 Jul 2025 10:30

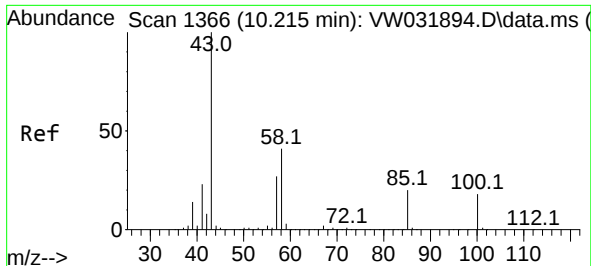
Tgt Ion: 98 Resp: 524665

Ion Ratio Lower Upper

98 100

100 66.0 51.7 77.5

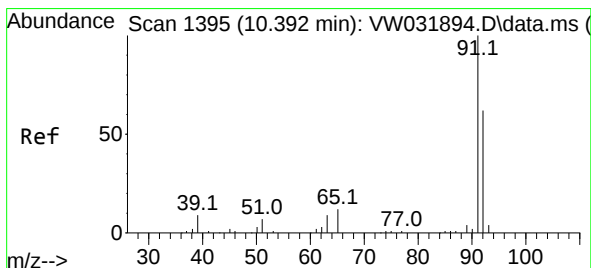
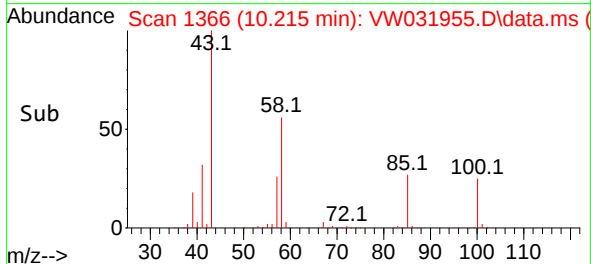
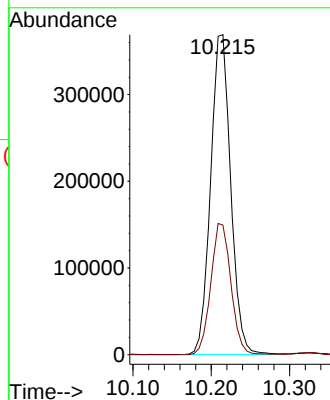
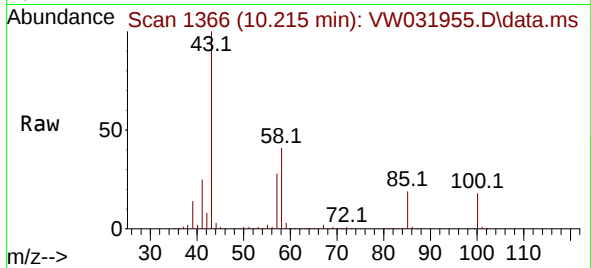




#51  
4-Methyl-2-Pentanone  
Concen: 265.042 ug/l  
RT: 10.215 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

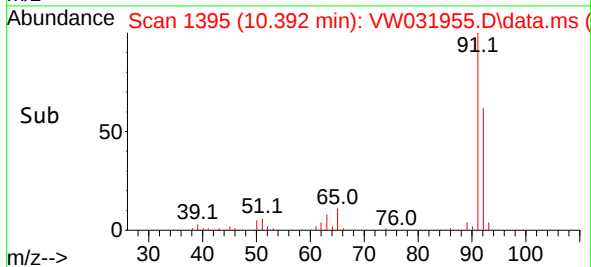
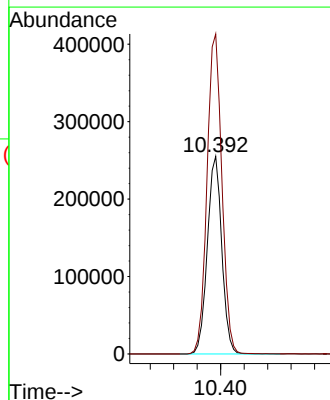
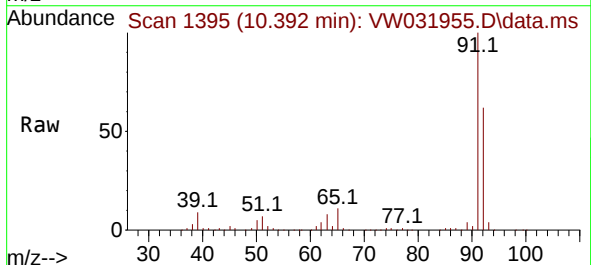
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

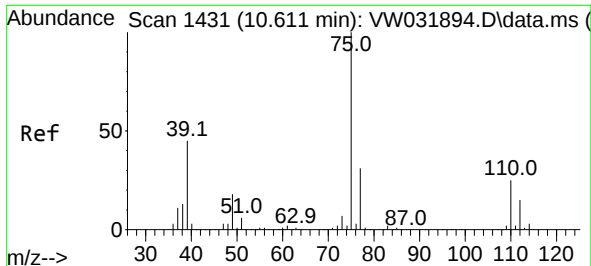
Tgt Ion: 43 Resp: 658638  
Ion Ratio Lower Upper  
43 100  
58 41.1 32.8 49.2



#52  
Toluene  
Concen: 52.020 ug/l  
RT: 10.392 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 92 Resp: 435252  
Ion Ratio Lower Upper  
92 100  
91 166.6 133.7 200.5

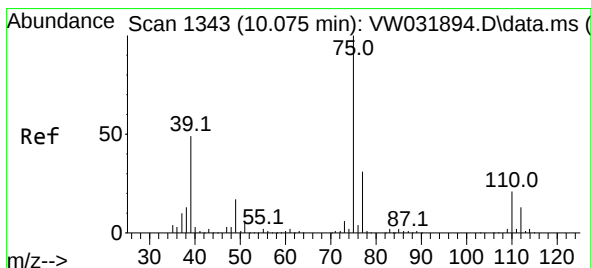
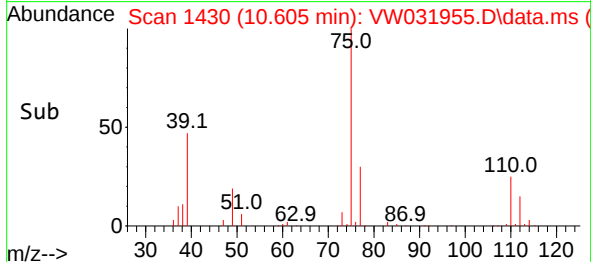
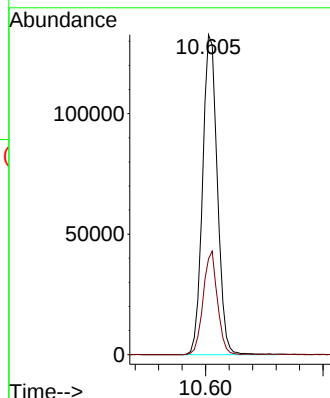
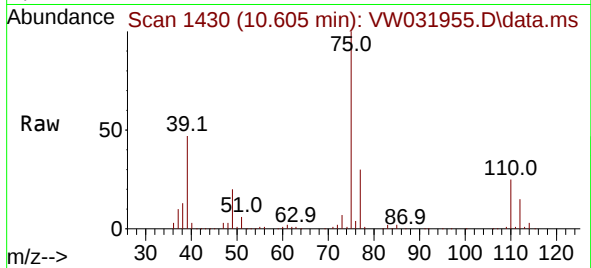




#53  
t-1,3-Dichloropropene  
Concen: 51.831 ug/l  
RT: 10.605 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

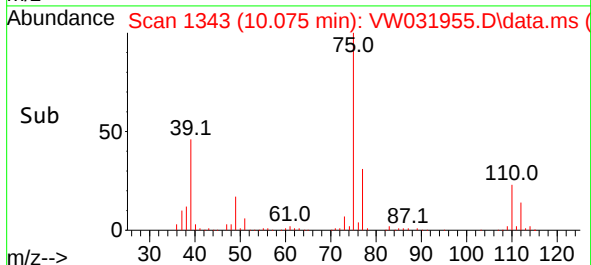
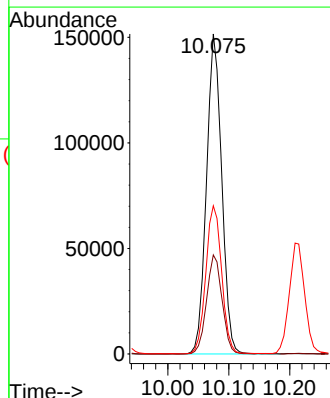
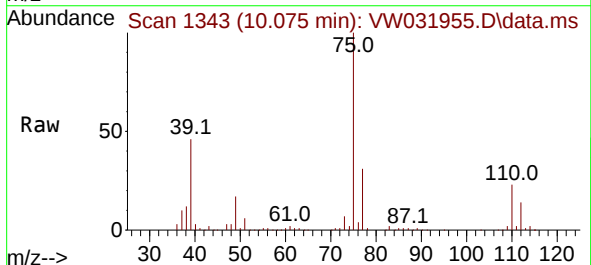
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

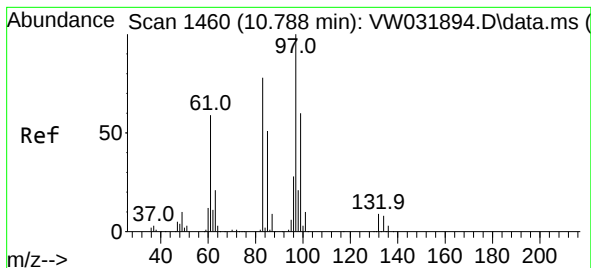
Tgt Ion: 75 Resp: 231665  
Ion Ratio Lower Upper  
75 100  
77 29.9 25.2 37.8



#54  
cis-1,3-Dichloropropene  
Concen: 51.572 ug/l  
RT: 10.075 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 75 Resp: 263238  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.5 36.7  
39 46.3 39.3 58.9



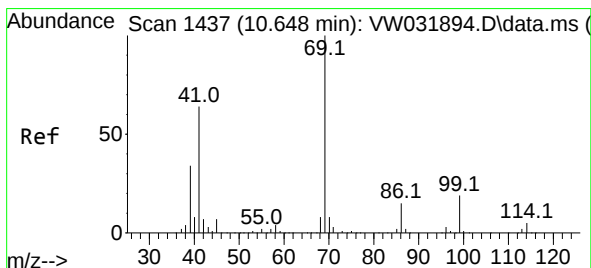
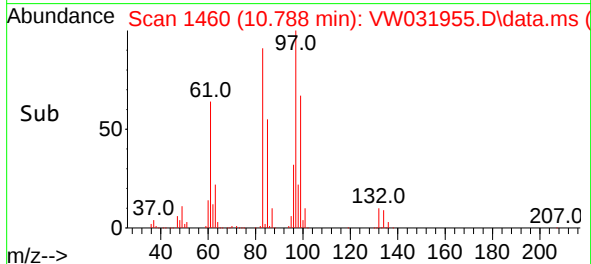
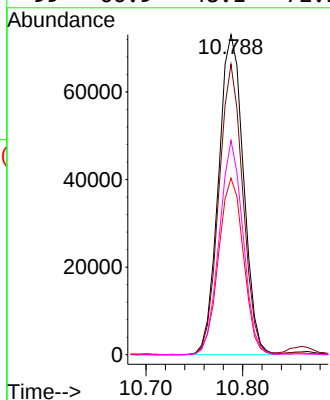
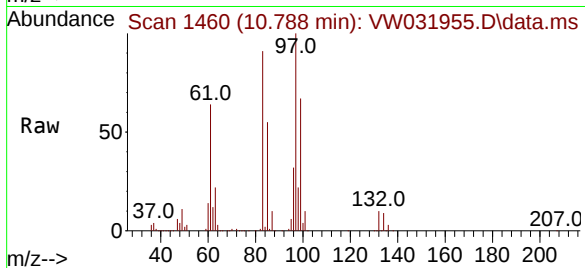


#55  
1,1,2-Trichloroethane  
Concen: 50.684 ug/l  
RT: 10.788 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 97 Resp: 130821

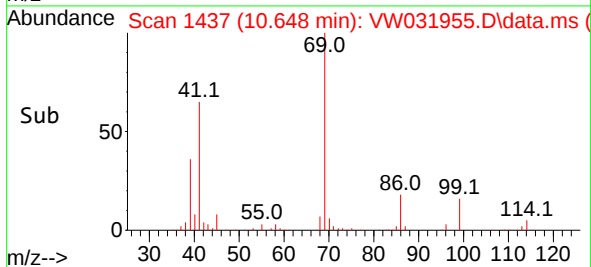
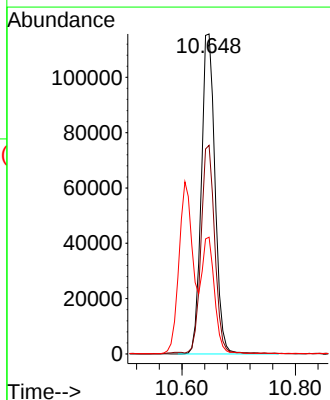
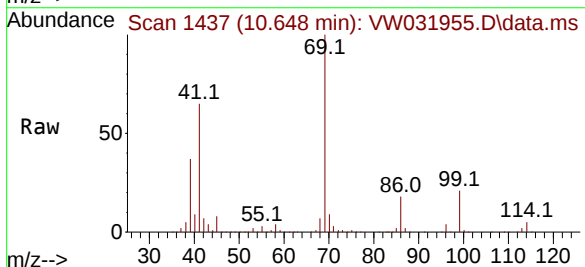
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 90.8  | 62.4  | 93.6  |
| 85  | 55.1  | 41.0  | 61.6  |
| 99  | 66.9  | 48.1  | 72.1  |

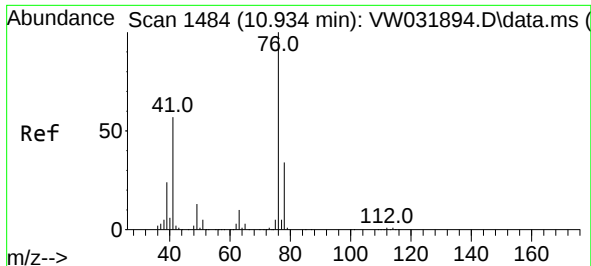


#56  
Ethyl methacrylate  
Concen: 53.304 ug/l  
RT: 10.648 min Scan# 1437  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 69 Resp: 194311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.4  | 52.0  | 78.0  |
| 39  | 32.7  | 26.6  | 40.0  |





#57

1,3-Dichloropropane

Concen: 51.436 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

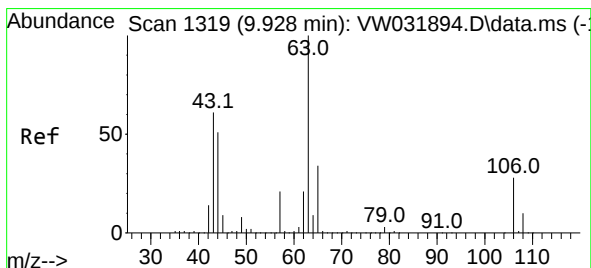
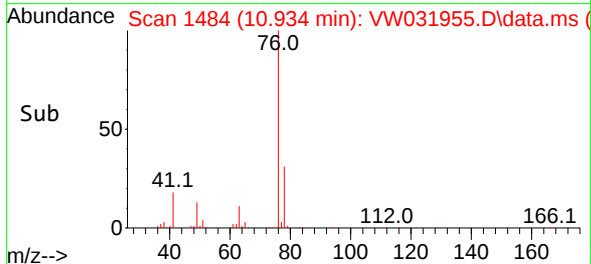
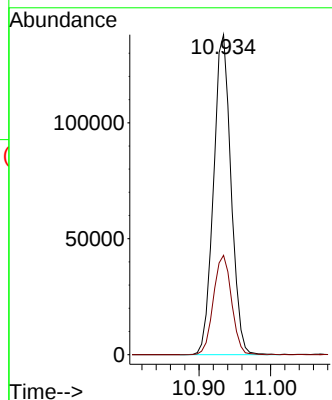
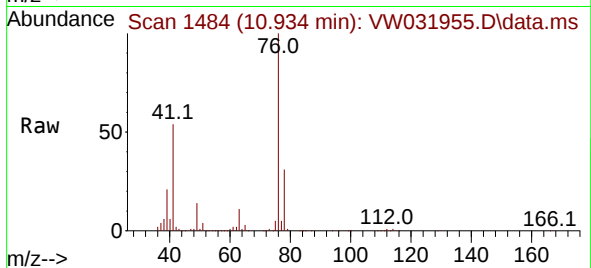
VSTDCCC050

Tgt Ion: 76 Resp: 233888

Ion Ratio Lower Upper

76 100

78 32.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 236.659 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. -0.000 min

Lab File: VW031955.D

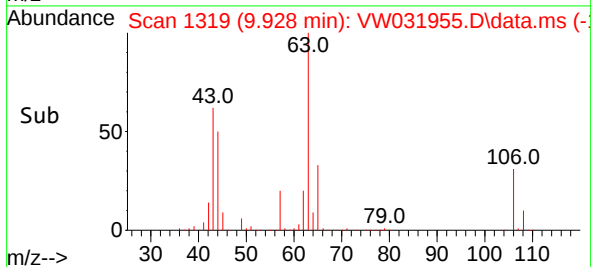
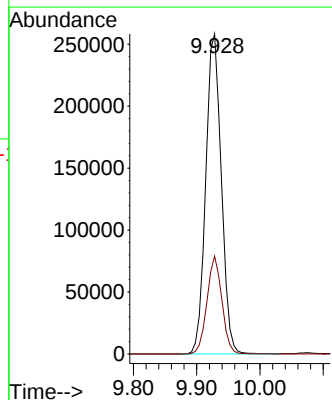
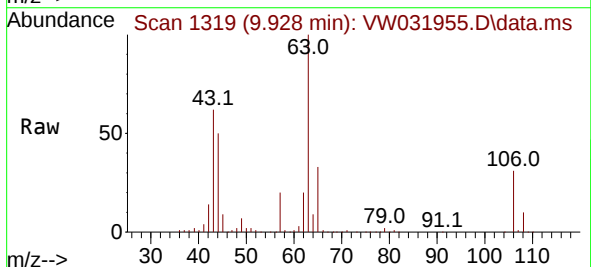
Acq: 30 Jul 2025 10:30

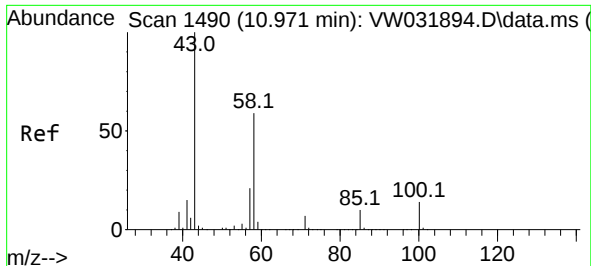
Tgt Ion: 63 Resp: 443125

Ion Ratio Lower Upper

63 100

106 29.2 22.7 34.1

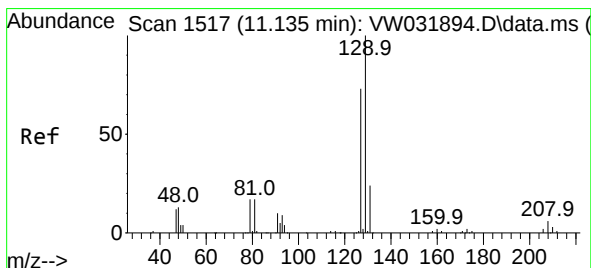
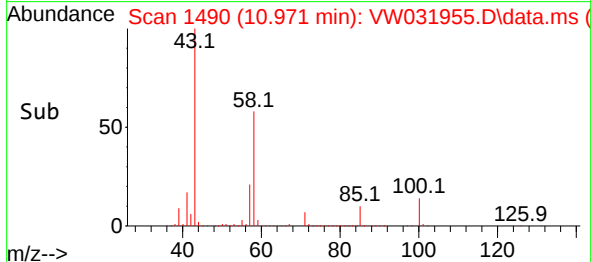
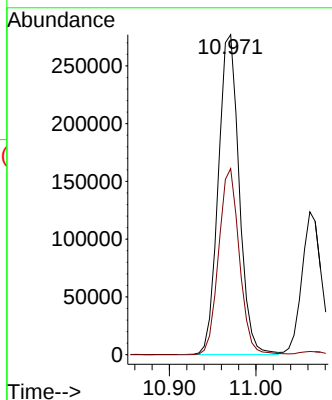
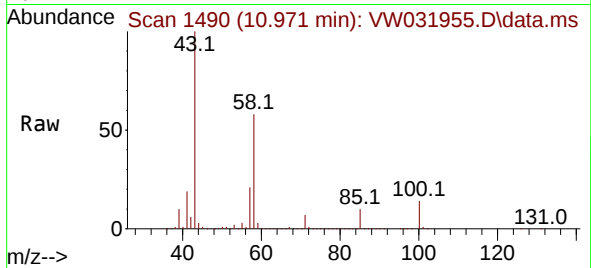




#59  
2-Hexanone  
Concen: 268.679 ug/l  
RT: 10.971 min Scan# 1490  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

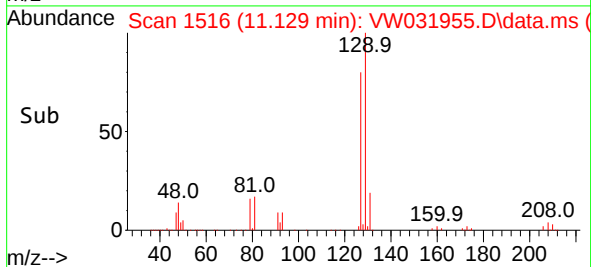
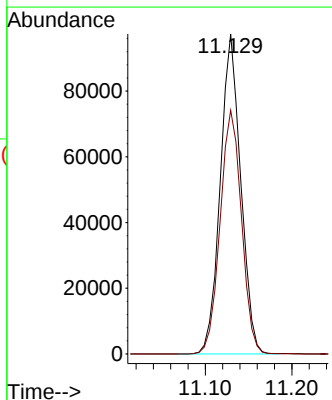
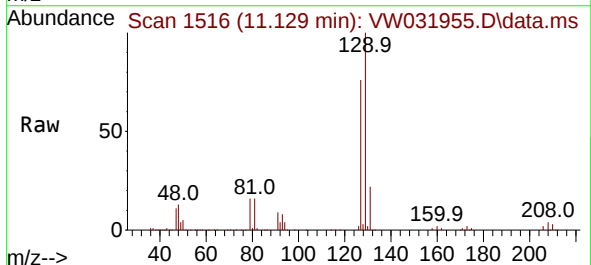
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

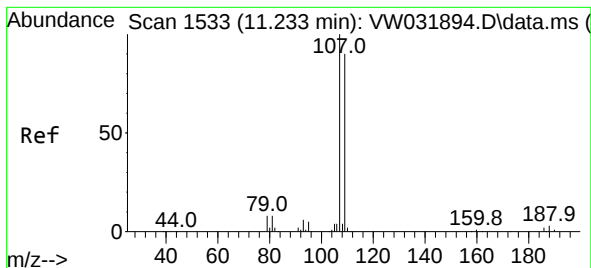
Tgt Ion: 43 Resp: 464100  
Ion Ratio Lower Upper  
43 100  
58 57.6 28.5 85.6



#60  
Dibromochloromethane  
Concen: 53.035 ug/l  
RT: 11.129 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:129 Resp: 159602  
Ion Ratio Lower Upper  
129 100  
127 79.4 39.6 118.8

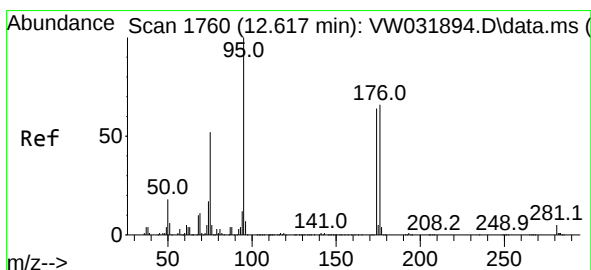
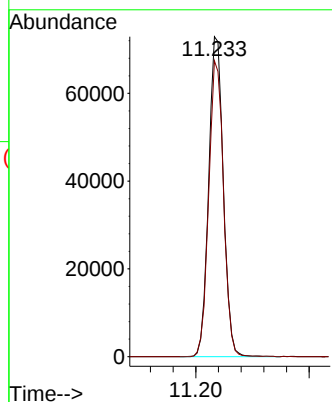
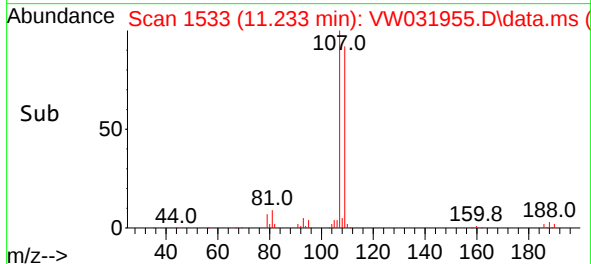
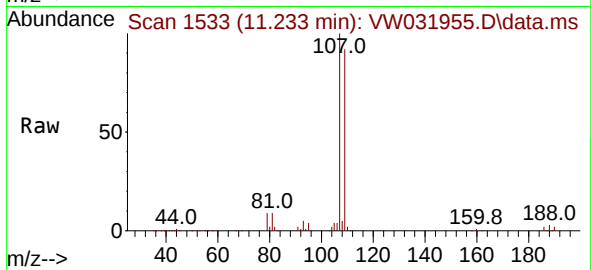




#61  
1,2-Dibromoethane  
Concen: 51.269 ug/l  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

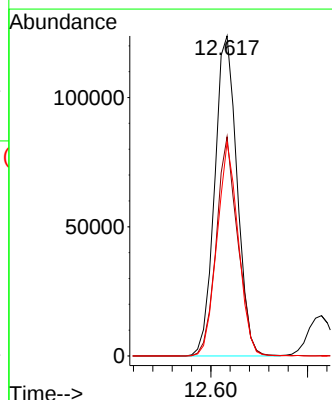
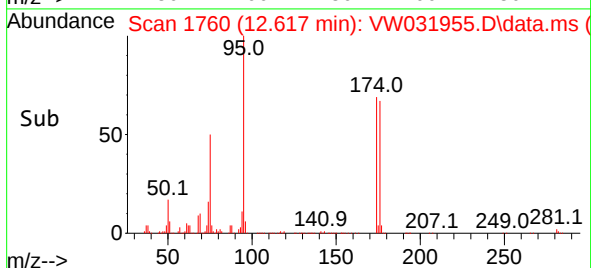
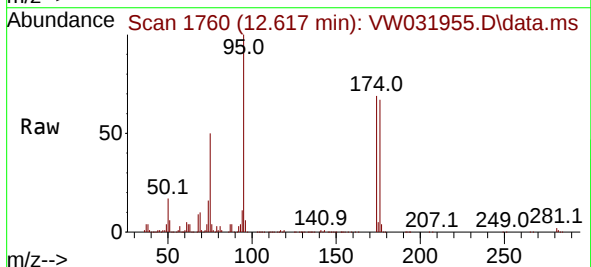
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

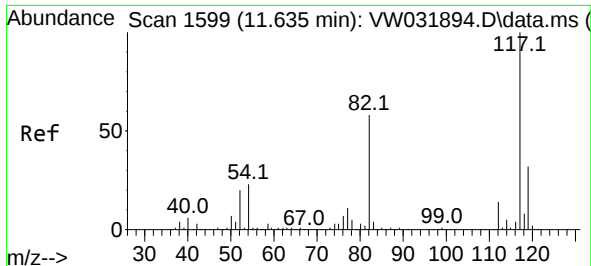
Tgt Ion:107 Resp: 130759  
Ion Ratio Lower Upper  
107 100  
109 93.3 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 47.787 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 95 Resp: 198831  
Ion Ratio Lower Upper  
95 100  
174 65.5 0.0 129.8  
176 63.5 0.0 130.4

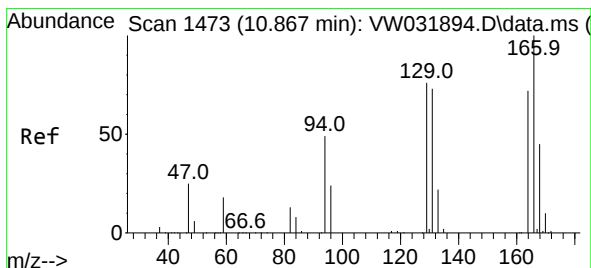
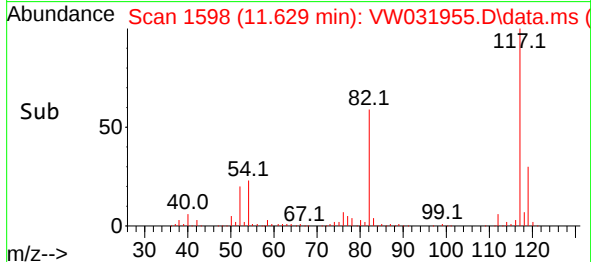
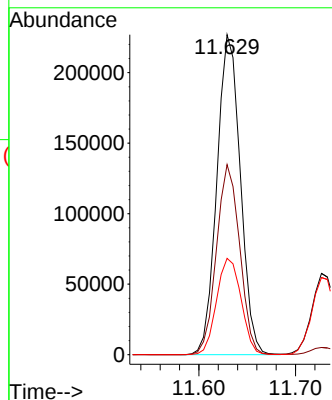
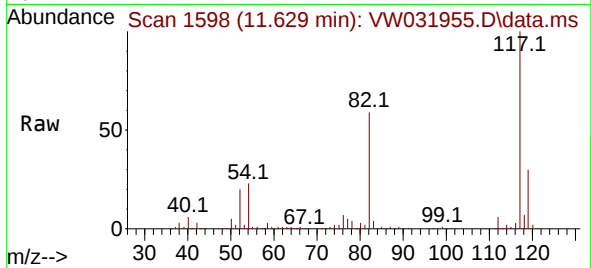




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 117  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

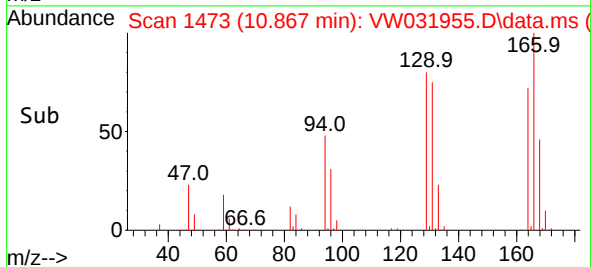
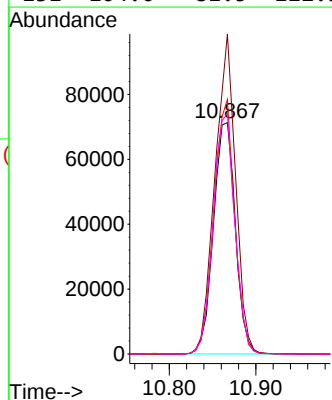
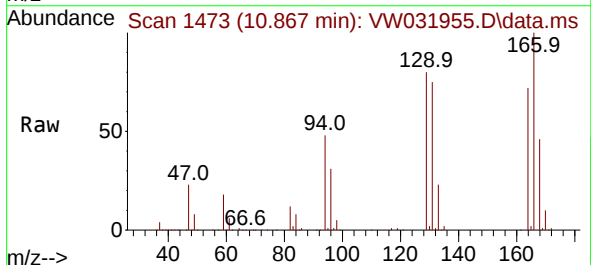
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tgt Ion:117 Resp: 381695  
Ion Ratio Lower Upper  
117 100  
82 59.4 46.5 69.7  
119 30.1 25.8 38.6



#64  
Tetrachloroethene  
Concen: 49.824 ug/l  
RT: 10.867 min Scan# 1473  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:164 Resp: 125385  
Ion Ratio Lower Upper  
164 100  
166 138.3 111.5 167.3  
129 110.1 85.1 127.7  
131 104.0 81.5 122.3

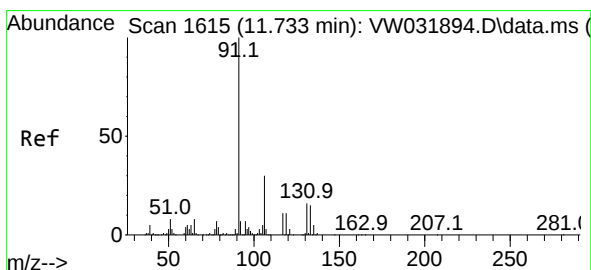
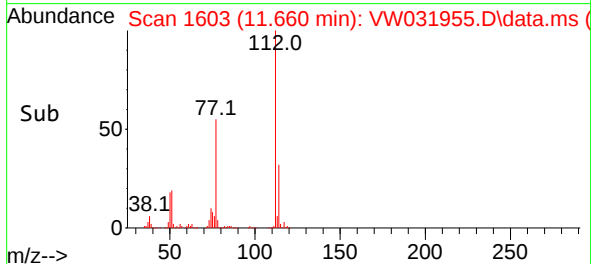
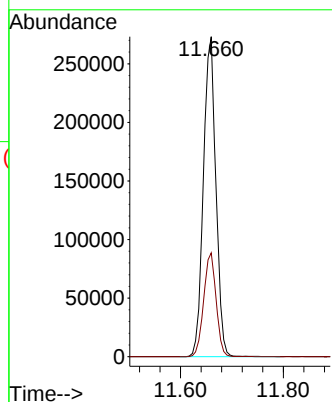
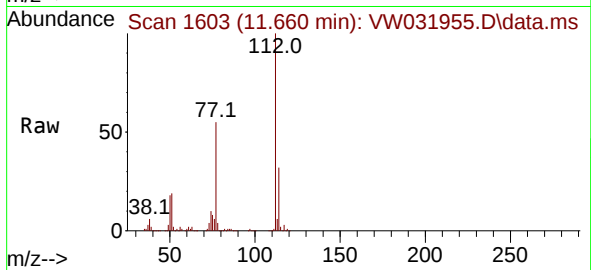




#65  
Chlorobenzene  
Concen: 49.169 ug/l  
RT: 11.660 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

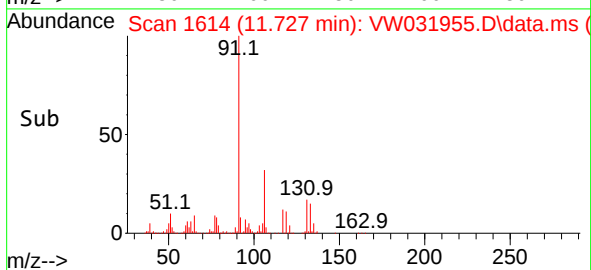
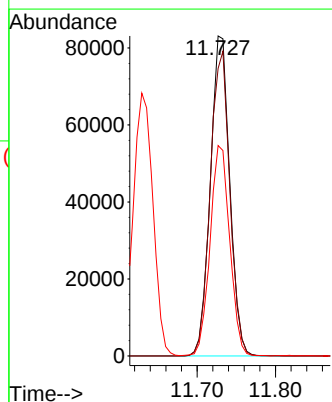
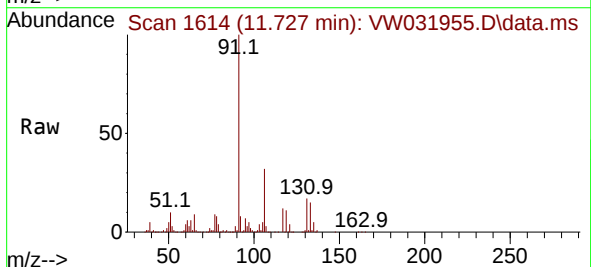
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

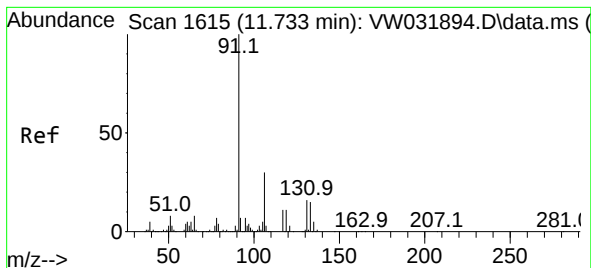
Tgt Ion:112 Resp: 459326  
Ion Ratio Lower Upper  
112 100  
114 32.4 26.2 39.2



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.366 ug/l  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:131 Resp: 142968  
Ion Ratio Lower Upper  
131 100  
133 96.2 48.1 144.4  
119 66.6 33.7 101.1

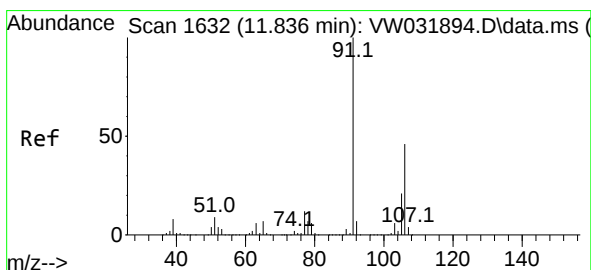
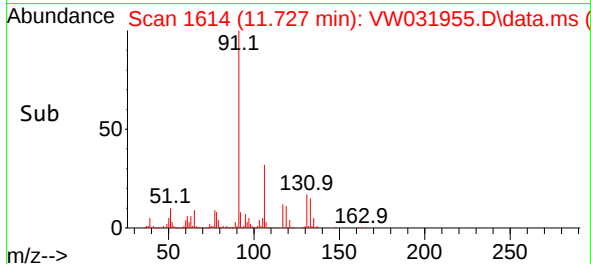
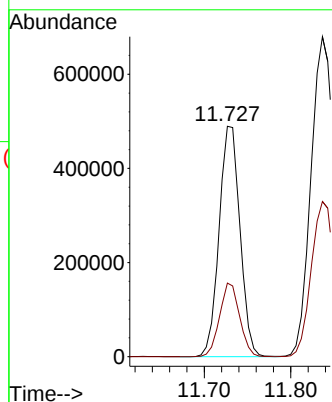
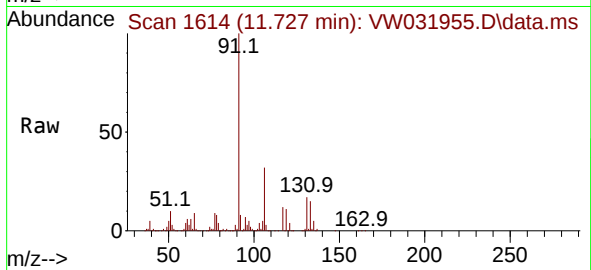




#67  
Ethyl Benzene  
Concen: 49.939 ug/l  
RT: 11.727 min Scan# 1614  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

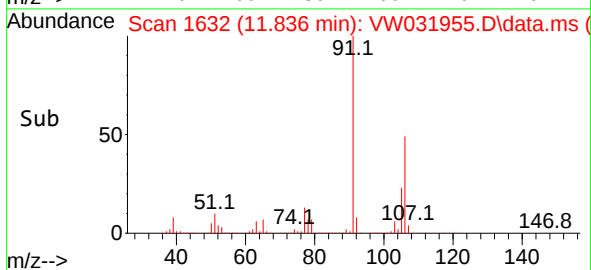
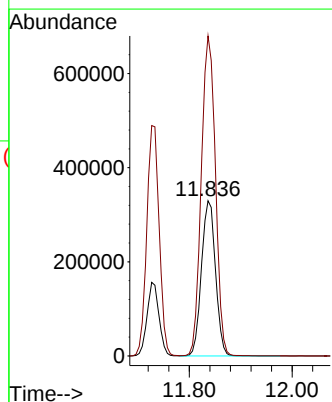
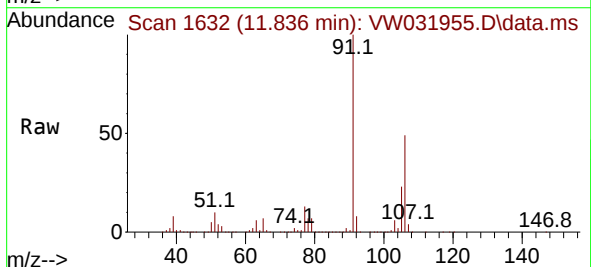
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

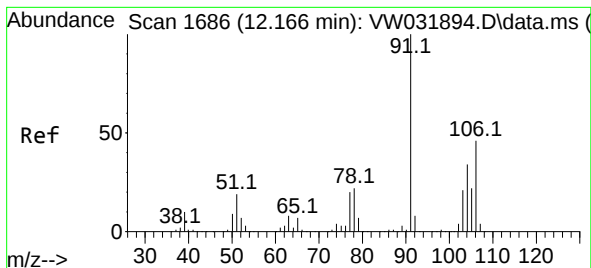
Tgt Ion: 91 Resp: 819668  
Ion Ratio Lower Upper  
91 100  
106 32.0 23.8 35.6



#68  
m/p-Xylenes  
Concen: 100.960 ug/l  
RT: 11.836 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:106 Resp: 623830  
Ion Ratio Lower Upper  
106 100  
91 208.2 167.7 251.5





#69

o-Xylene

Concen: 50.359 ug/l

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

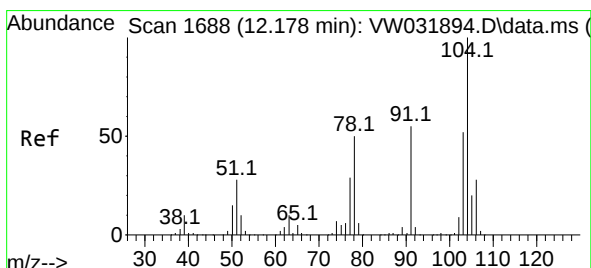
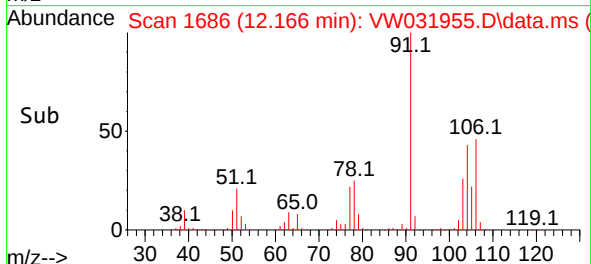
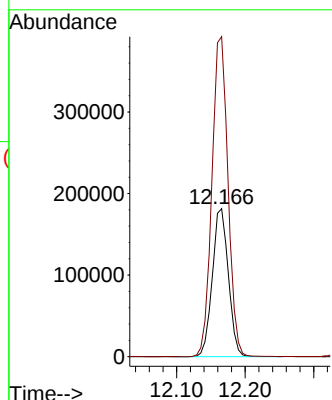
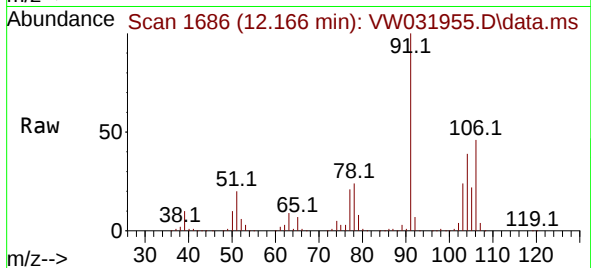
VSTDCCC050

Tgt Ion:106 Resp: 294481

Ion Ratio Lower Upper

106 100

91 217.1 108.2 324.6



#70

Styrene

Concen: 51.711 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

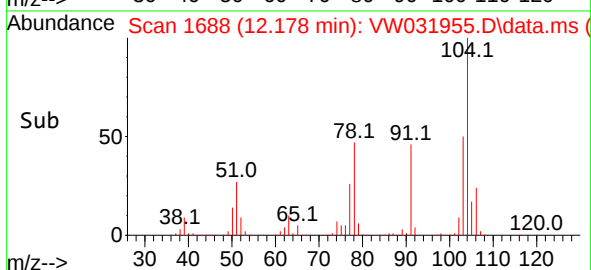
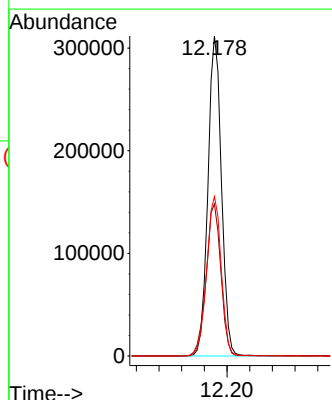
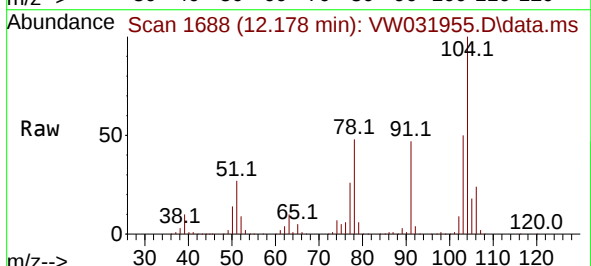
Tgt Ion:104 Resp: 514841

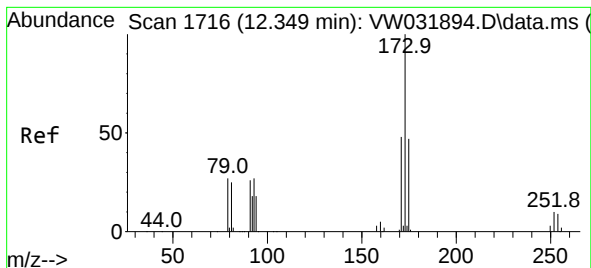
Ion Ratio Lower Upper

104 100

78 51.8 42.2 63.4

103 53.8 42.8 64.2





#71

Bromoform

Concen: 52.076 ug/l

RT: 12.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

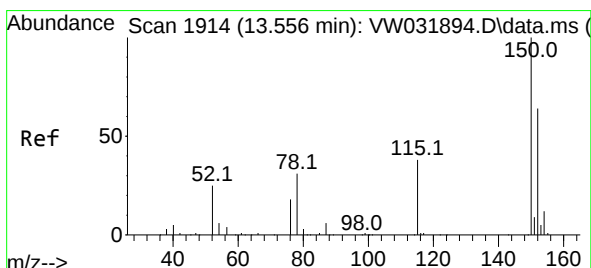
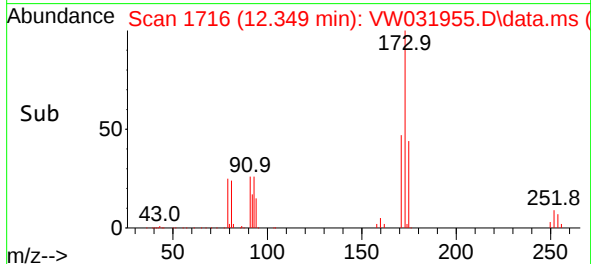
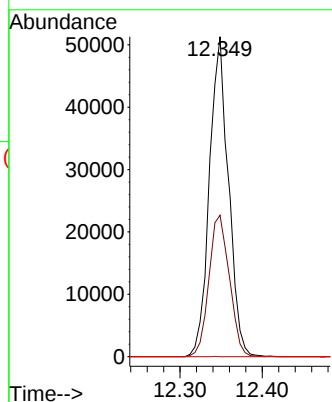
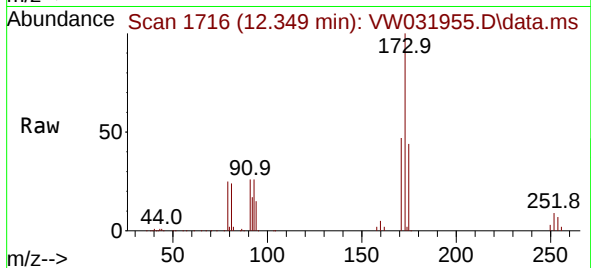
Tgt Ion:173 Resp: 82482

Ion Ratio Lower Upper

173 100

175 47.5 24.5 73.5

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

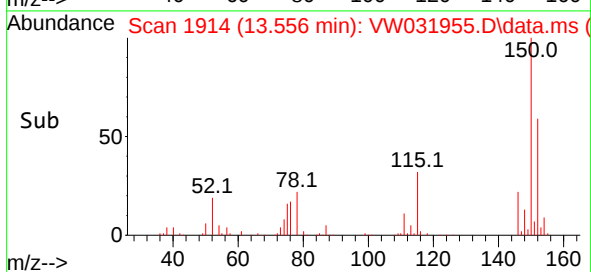
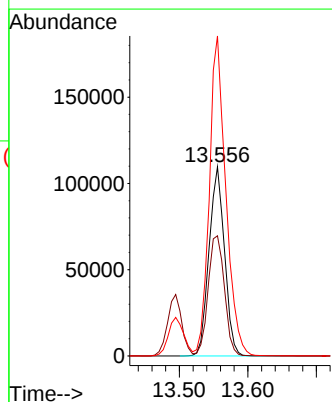
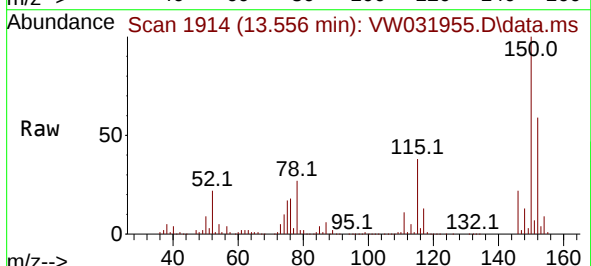
Tgt Ion:152 Resp: 172879

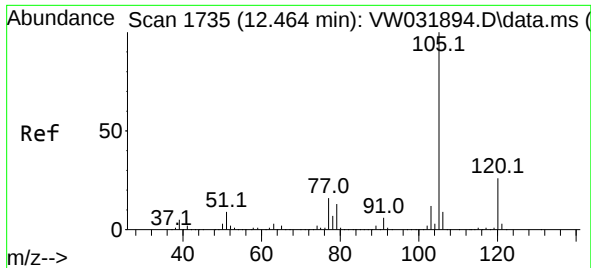
Ion Ratio Lower Upper

152 100

115 66.5 33.4 100.1

150 179.5 0.0 352.2

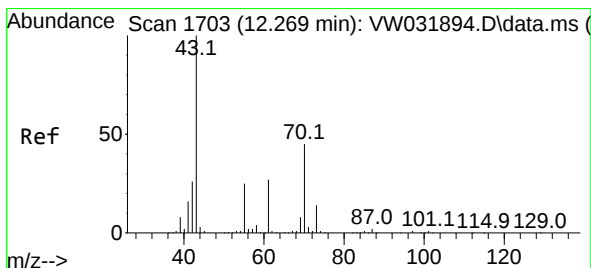
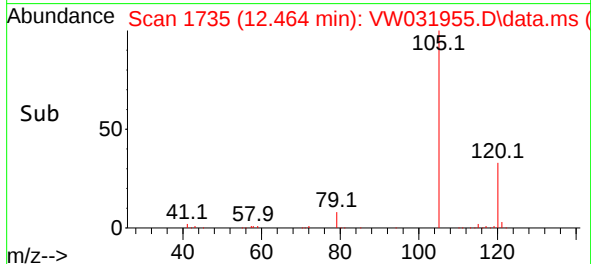
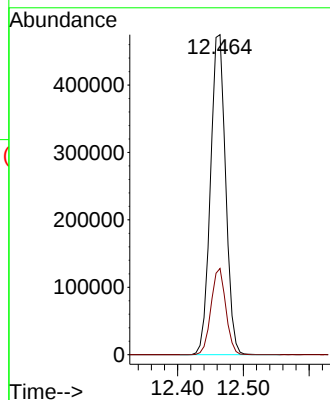
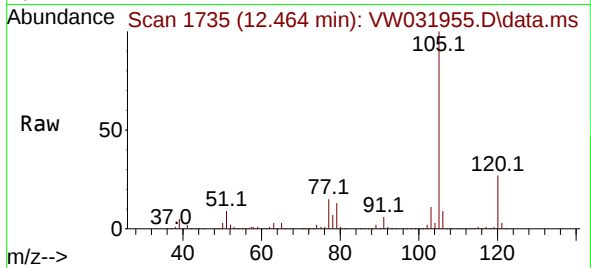




#73  
Isopropylbenzene  
Concen: 50.719 ug/l  
RT: 12.464 min Scan# 1735  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

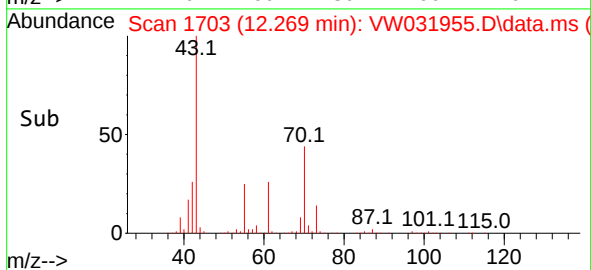
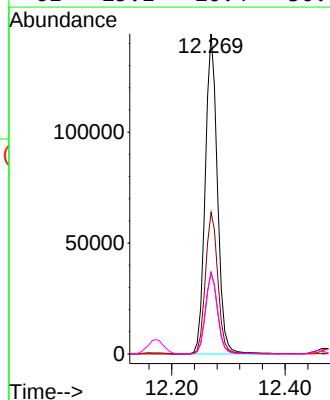
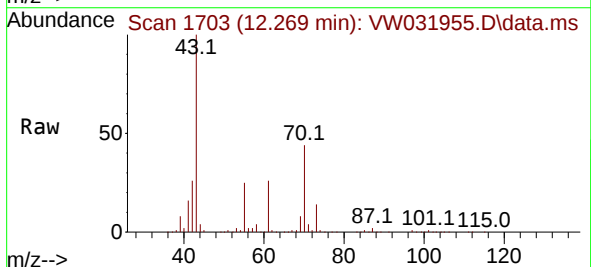
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

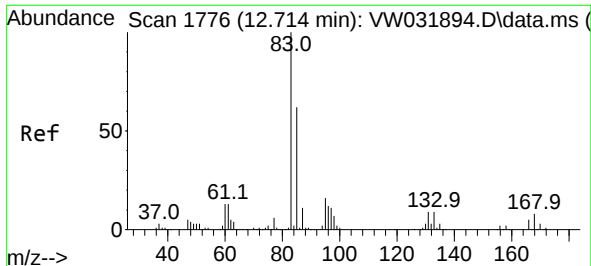
Tgt Ion:105 Resp: 760788  
Ion Ratio Lower Upper  
105 100  
120 26.3 12.6 37.8



#74  
N-ethyl acetate  
Concen: 53.016 ug/l  
RT: 12.269 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 43 Resp: 214991  
Ion Ratio Lower Upper  
43 100  
70 45.1 36.6 55.0  
55 25.6 20.7 31.1  
61 25.1 20.4 30.6

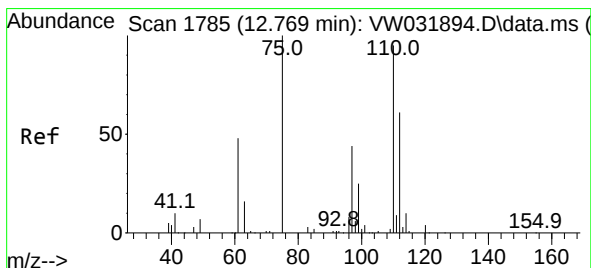
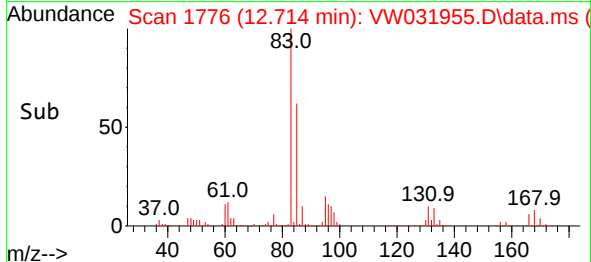
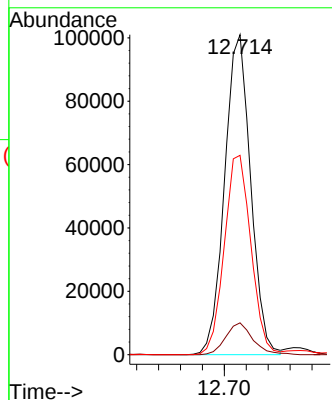
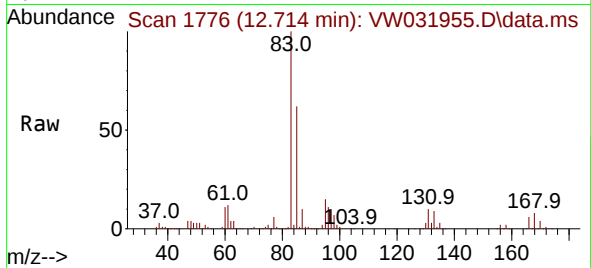




#75  
1,1,2,2-Tetrachloroethane  
Concen: 52.245 ug/l  
RT: 12.714 min Scan# 1776  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

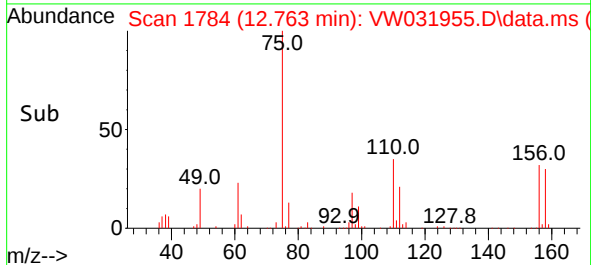
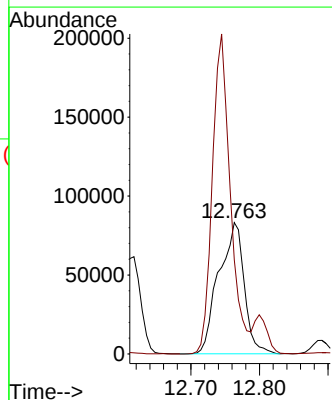
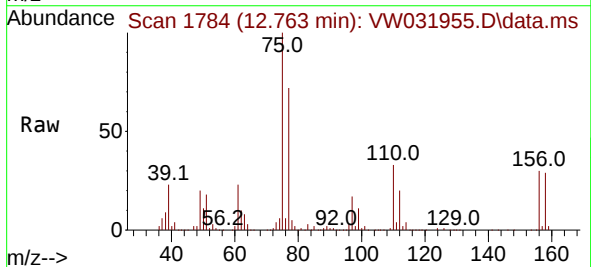
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

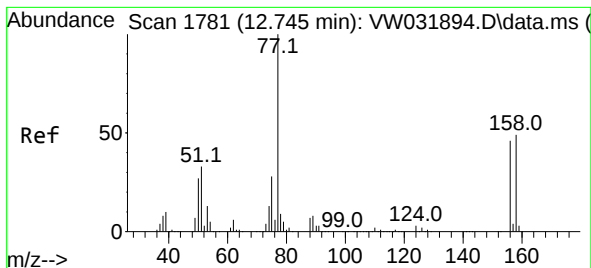
Tgt Ion: 83 Resp: 166344  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.0 15.0  
85 63.8 31.8 95.3



#76  
1,2,3-Trichloropropane  
Concen: 89.695 ug/l  
RT: 12.763 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 75 Resp: 214090  
Ion Ratio Lower Upper  
75 100  
77 173.5 0.0 0.0#





#77

Bromobenzene

Concen: 51.236 ug/l

RT: 12.745 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

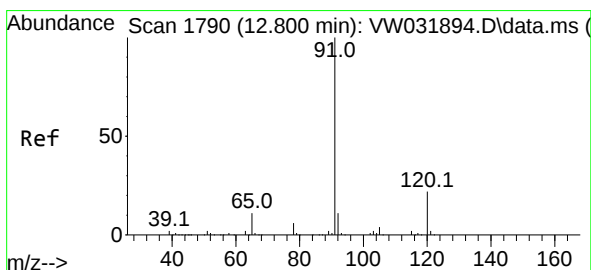
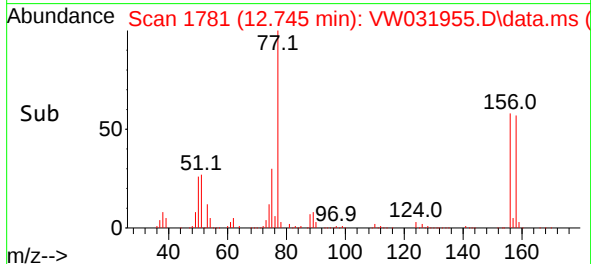
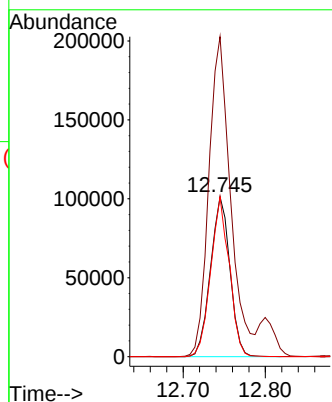
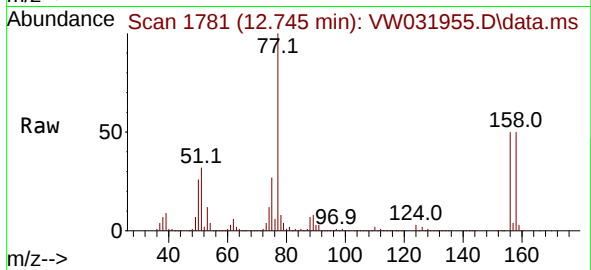
Tgt Ion:156 Resp: 166289

Ion Ratio Lower Upper

156 100

77 223.4 115.3 345.8

158 95.8 50.1 150.3



#78

n-propylbenzene

Concen: 50.152 ug/l

RT: 12.800 min Scan# 1790

Delta R.T. -0.000 min

Lab File: VW031955.D

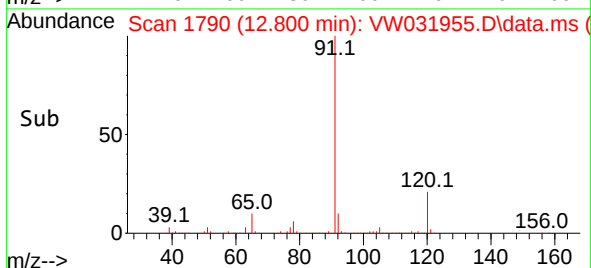
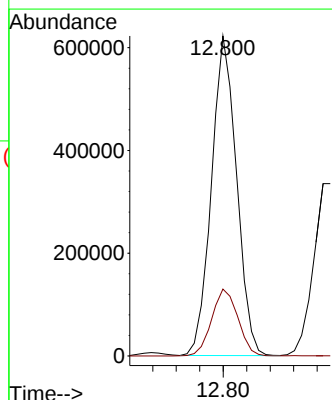
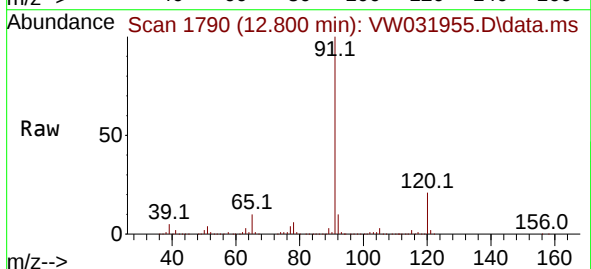
Acq: 30 Jul 2025 10:30

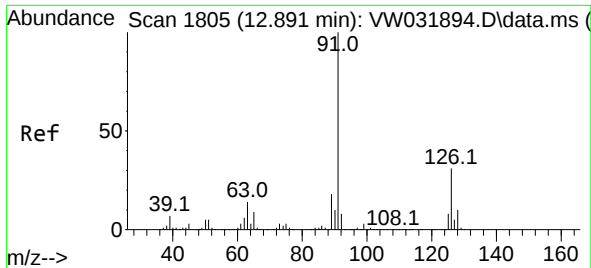
Tgt Ion: 91 Resp: 923938

Ion Ratio Lower Upper

91 100

120 21.8 10.9 32.6

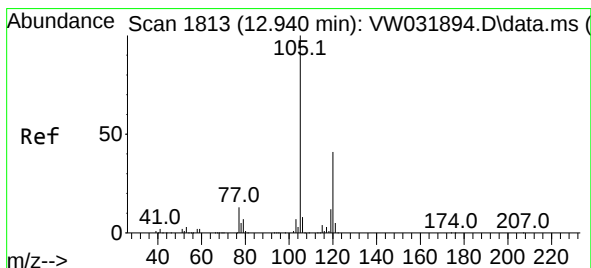
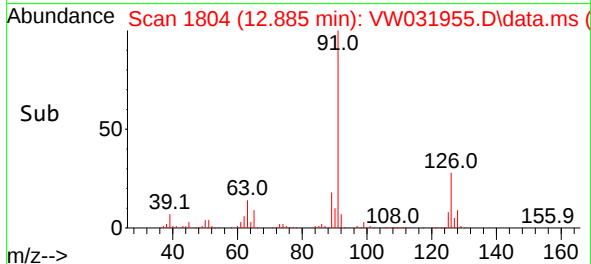
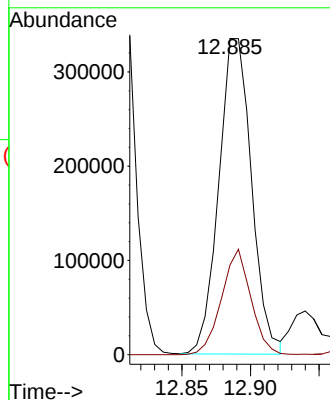
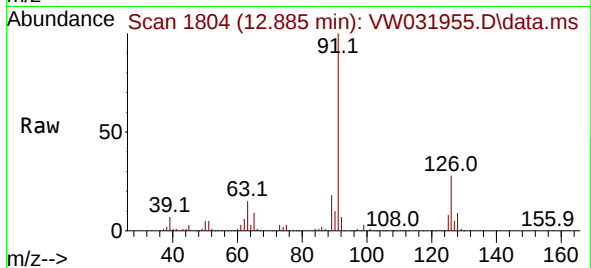




#79  
2-Chlorotoluene  
Concen: 50.636 ug/l  
RT: 12.885 min Scan# 1804  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

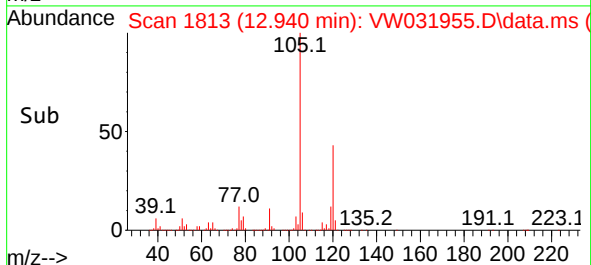
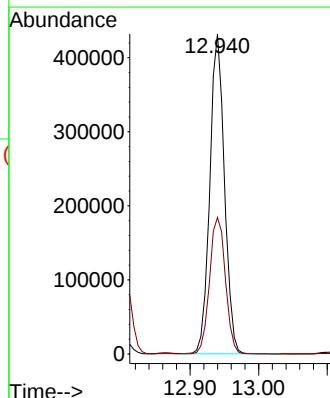
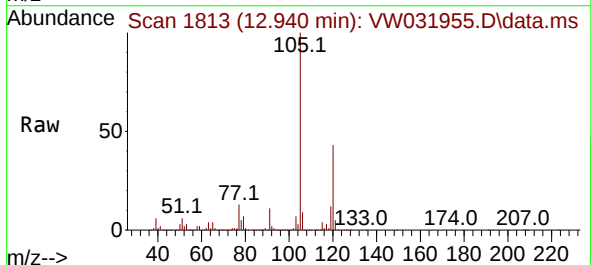
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 556979  
Ion Ratio Lower Upper  
91 100  
126 30.0 15.6 46.8



#80  
1,3,5-Trimethylbenzene  
Concen: 50.907 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 105 Resp: 640431  
Ion Ratio Lower Upper  
105 100  
120 46.2 23.5 70.5

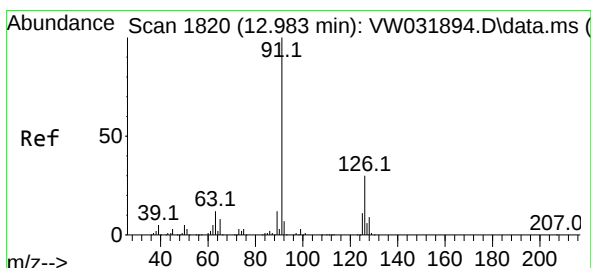
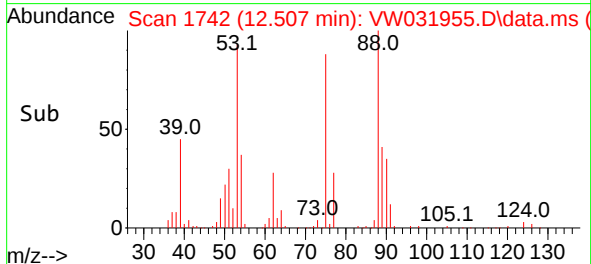
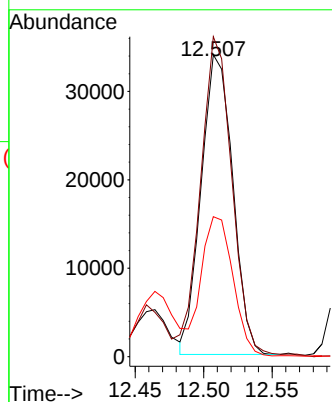
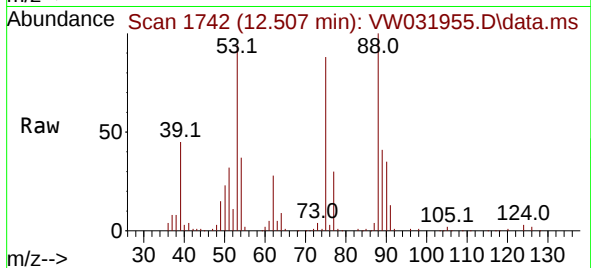




#81  
trans-1,4-Dichloro-2-butene  
Concen: 52.494 ug/l  
RT: 12.507 min Scan# 1742  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

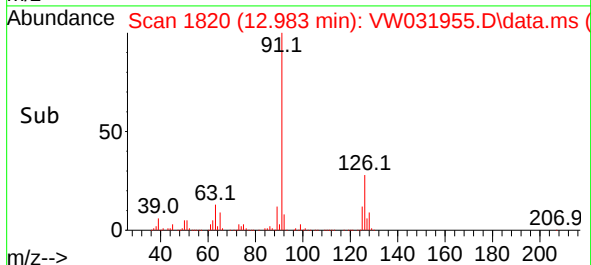
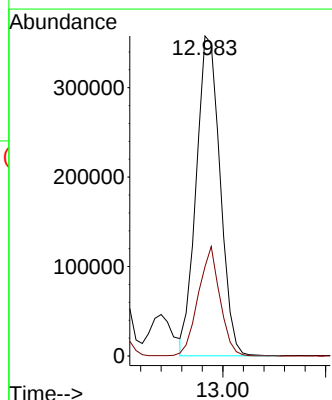
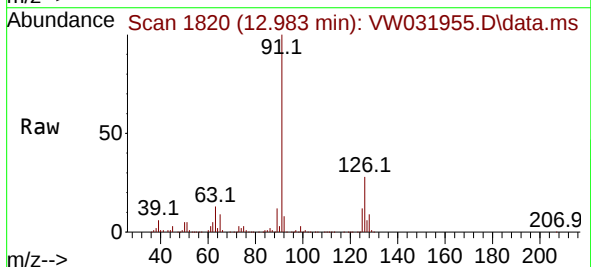
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

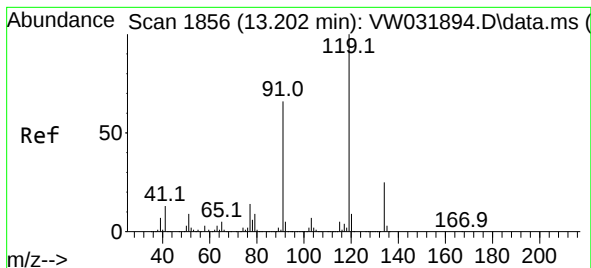
Tgt Ion: 75 Resp: 54271  
Ion Ratio Lower Upper  
75 100  
53 107.7 83.7 125.5  
89 46.9 39.0 58.6



#82  
4-Chlorotoluene  
Concen: 49.966 ug/l  
RT: 12.983 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion: 91 Resp: 576580  
Ion Ratio Lower Upper  
91 100  
126 31.2 15.8 47.3





#83

tert-Butylbenzene

Concen: 50.282 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

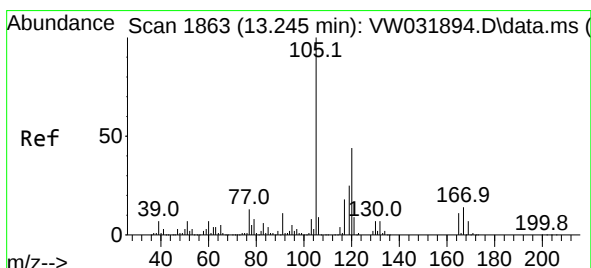
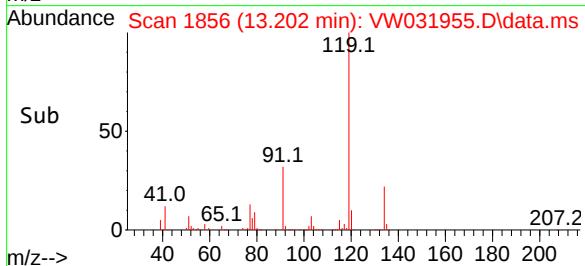
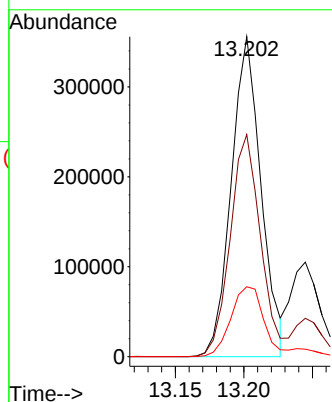
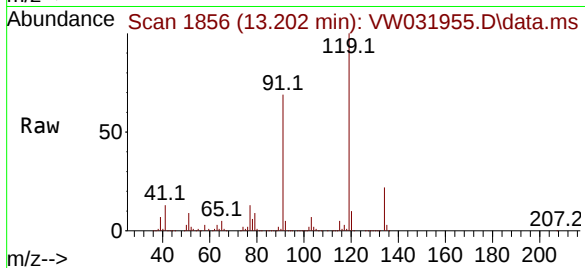
Tgt Ion:119 Resp: 538824

Ion Ratio Lower Upper

119 100

91 70.2 35.5 106.5

134 24.3 12.4 37.0



#84

1,2,4-Trimethylbenzene

Concen: 49.172 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. -0.000 min

Lab File: VW031955.D

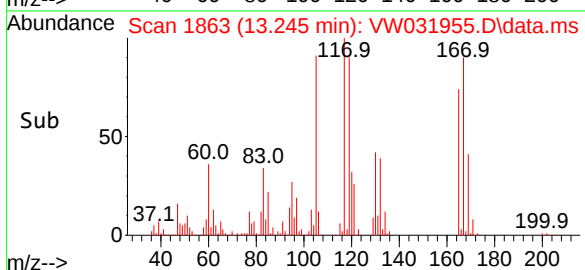
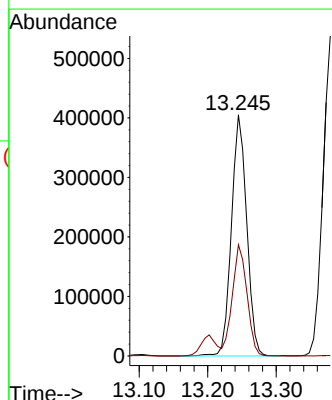
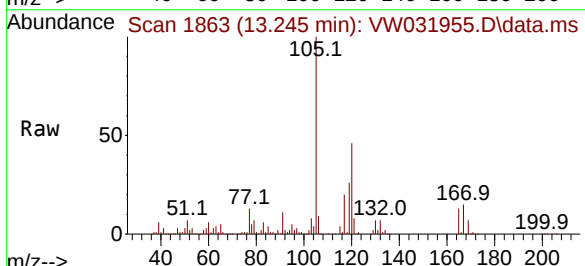
Acq: 30 Jul 2025 10:30

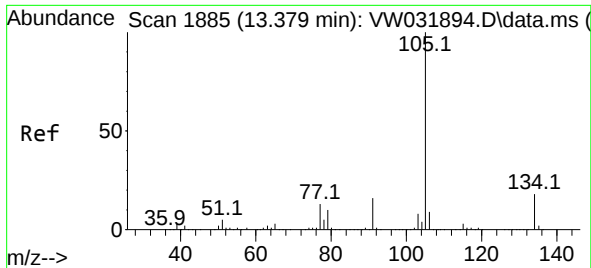
Tgt Ion:105 Resp: 626128

Ion Ratio Lower Upper

105 100

120 44.2 21.3 63.9

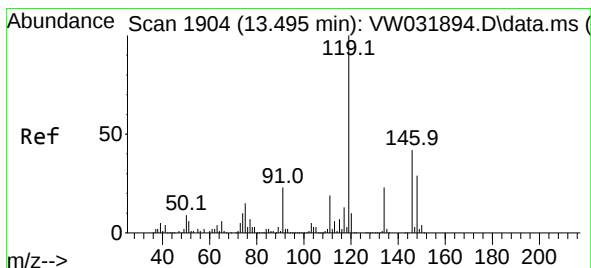
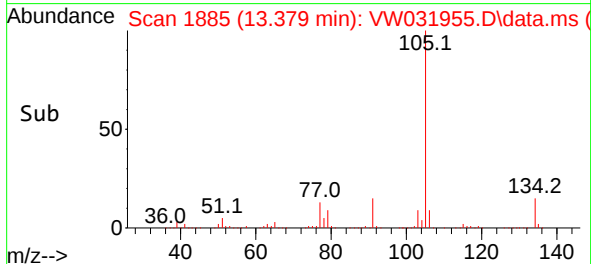
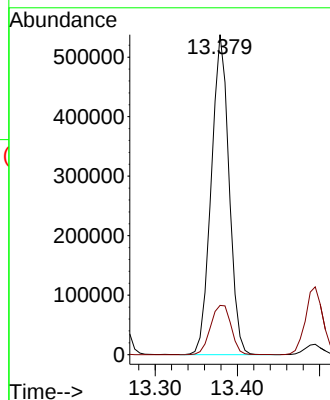
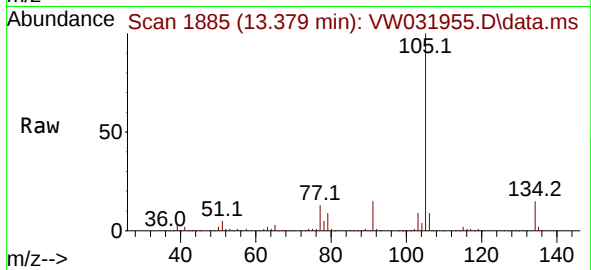




#85  
 sec-Butylbenzene  
 Concen: 50.178 ug/l  
 RT: 13.379 min Scan# 1885  
 Delta R.T. -0.000 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

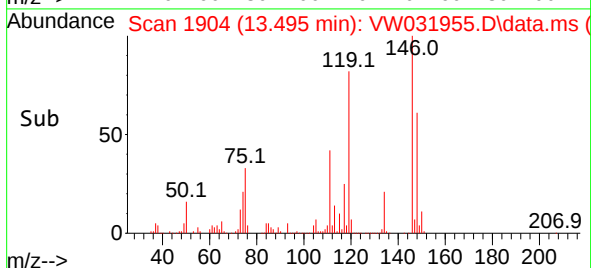
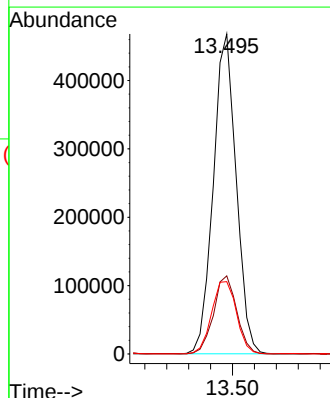
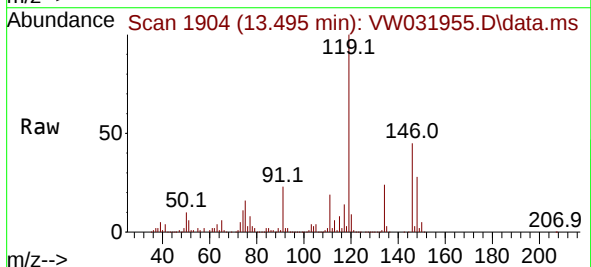
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDCCC050

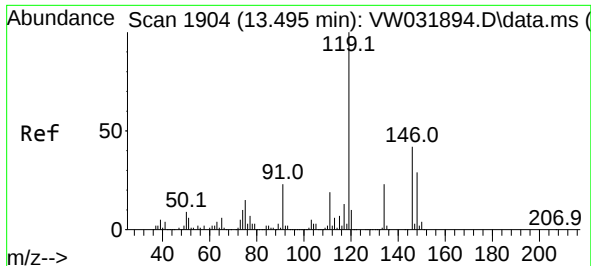
Tgt Ion:105 Resp: 807497  
 Ion Ratio Lower Upper  
 105 100  
 134 17.8 9.2 27.6



#86  
 p-Isopropyltoluene  
 Concen: 50.972 ug/l  
 RT: 13.495 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VW031955.D  
 Acq: 30 Jul 2025 10:30

Tgt Ion:119 Resp: 678003  
 Ion Ratio Lower Upper  
 119 100  
 134 24.7 13.0 39.0  
 91 24.6 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 49.183 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

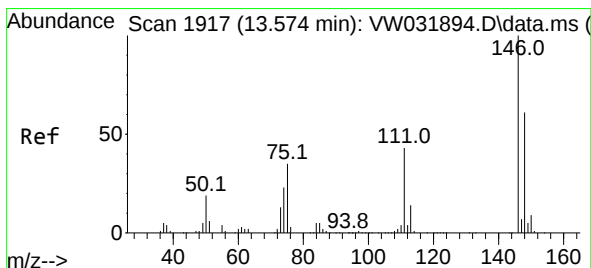
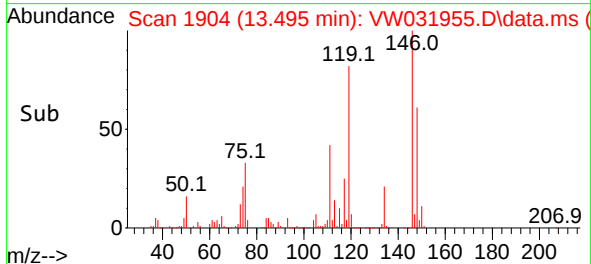
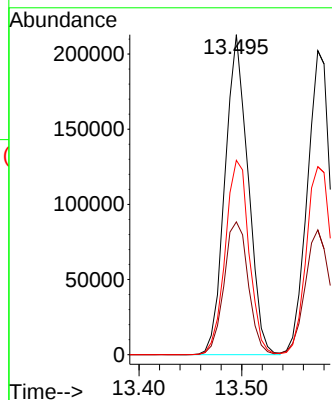
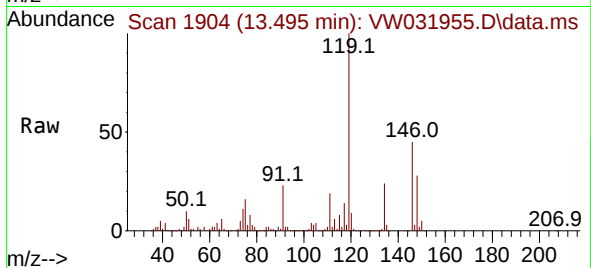
Tgt Ion:146 Resp: 332271

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.7

148 62.7 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 48.278 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

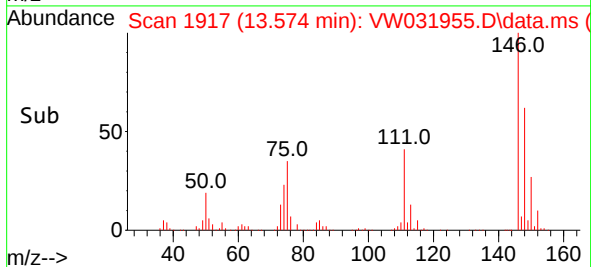
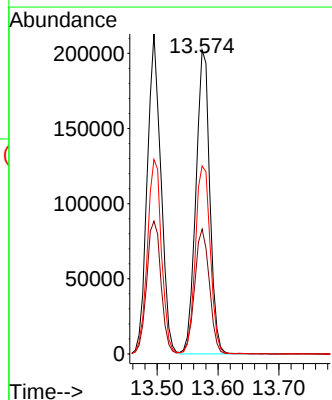
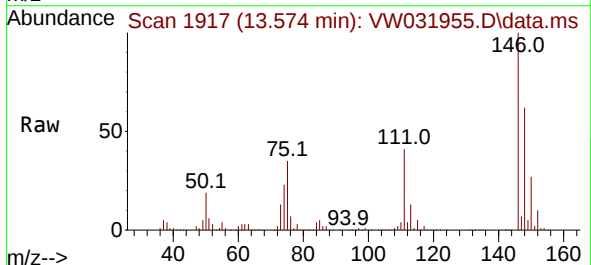
Tgt Ion:146 Resp: 319509

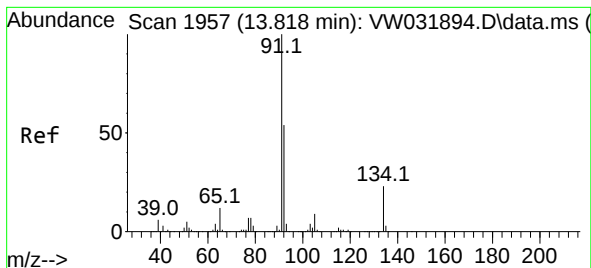
Ion Ratio Lower Upper

146 100

111 43.4 22.1 66.3

148 66.4 31.8 95.3





#89

n-Butylbenzene

Concen: 49.866 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

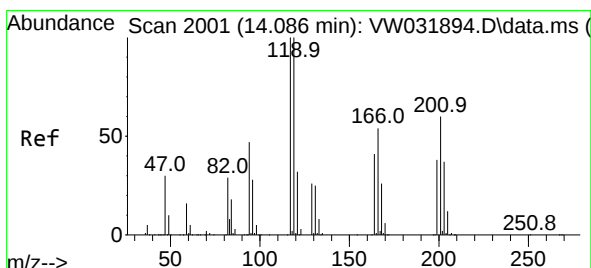
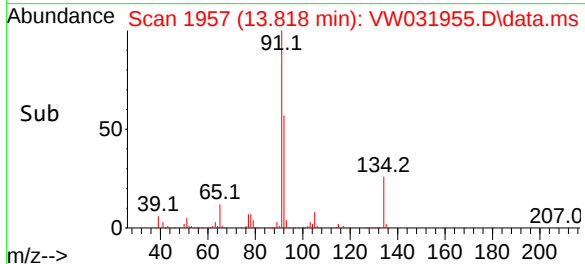
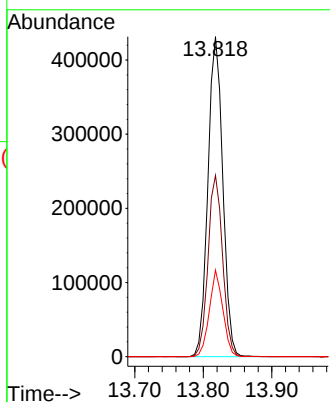
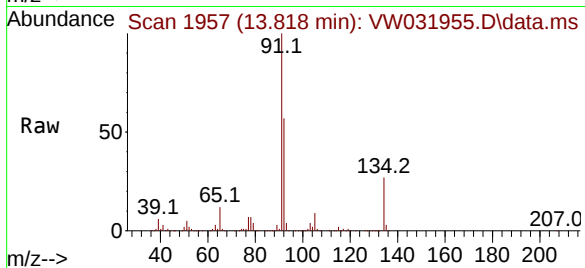
Tgt Ion: 91 Resp: 650676

Ion Ratio Lower Upper

91 100

92 55.7 27.2 81.5

134 24.6 11.6 34.7



#90

Hexachloroethane

Concen: 50.810 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VW031955.D

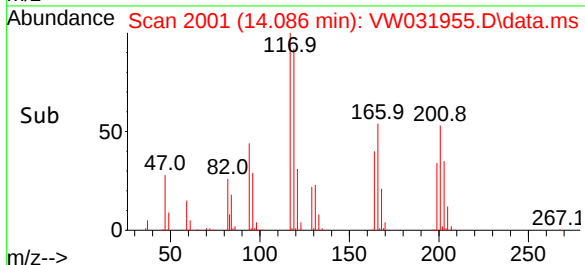
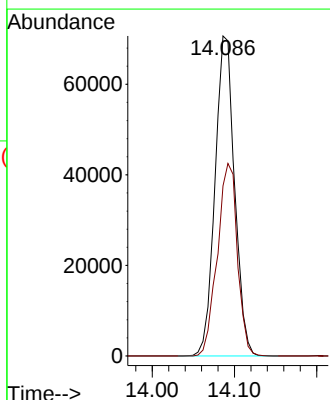
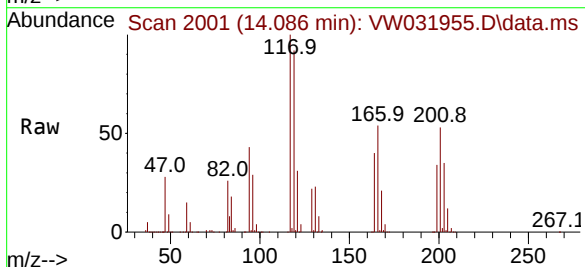
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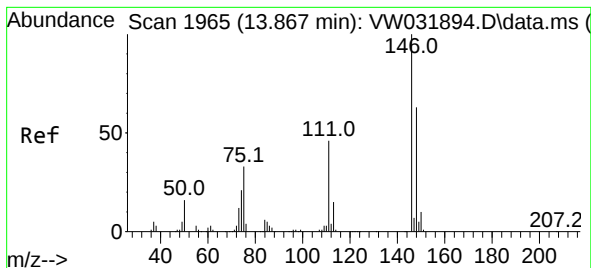
Tgt Ion: 117 Resp: 116865

Ion Ratio Lower Upper

117 100

201 61.5 28.4 85.2

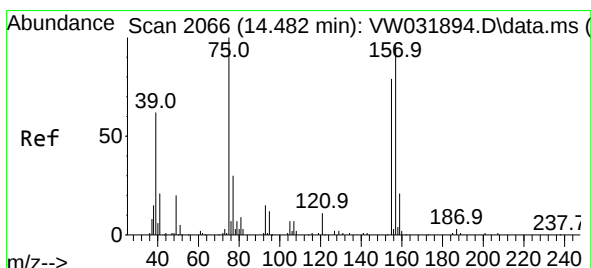
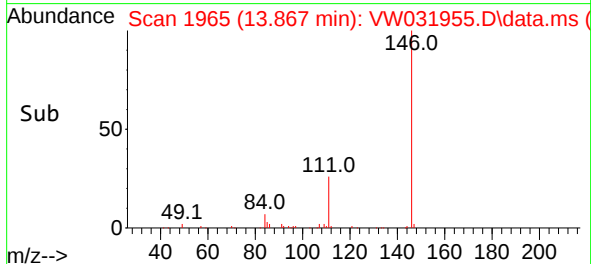
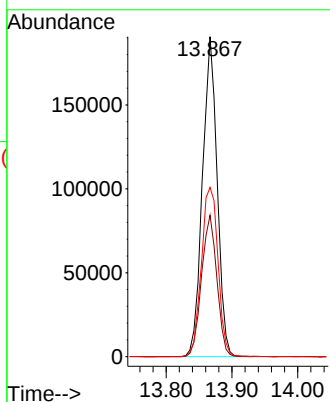
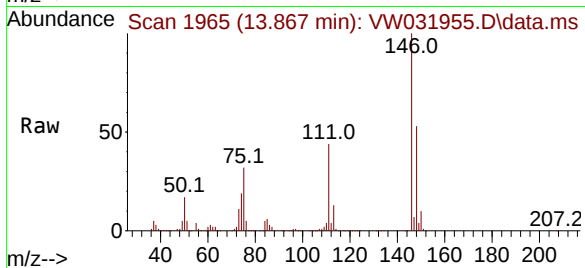




#91  
1,2-Dichlorobenzene  
Concen: 49.540 ug/l  
RT: 13.867 min Scan# 1965  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

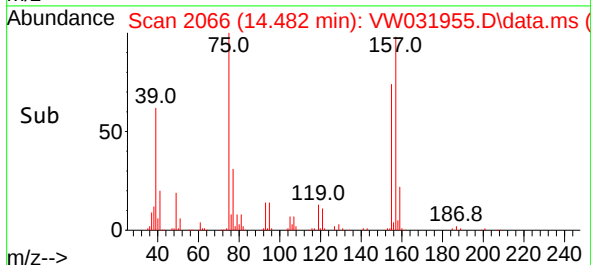
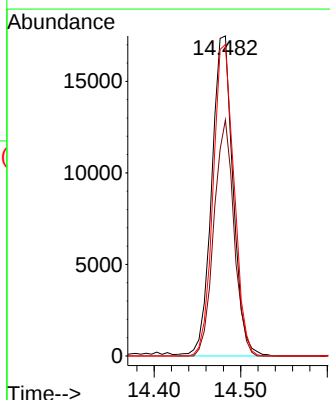
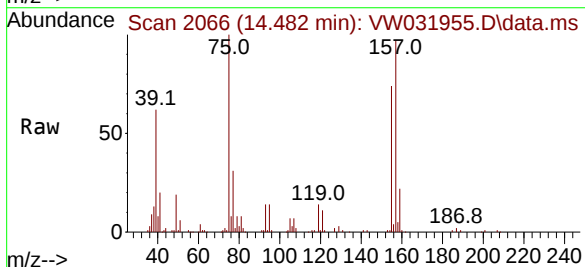
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

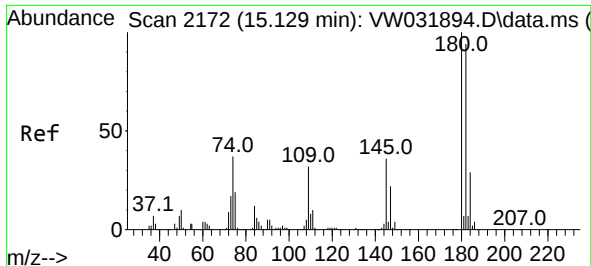
Tgt Ion:146 Resp: 296613  
Ion Ratio Lower Upper  
146 100  
111 46.0 23.6 71.0  
148 59.6 32.4 97.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 51.972 ug/l  
RT: 14.482 min Scan# 2066  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

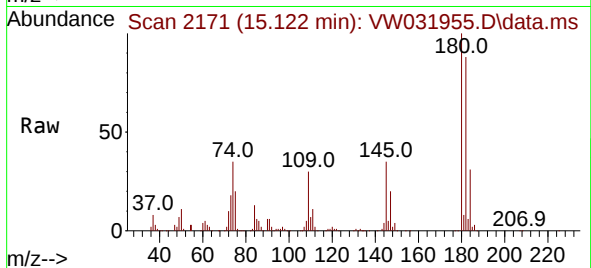
Tgt Ion: 75 Resp: 29896  
Ion Ratio Lower Upper  
75 100  
155 69.3 35.9 107.7  
157 94.9 47.4 142.2



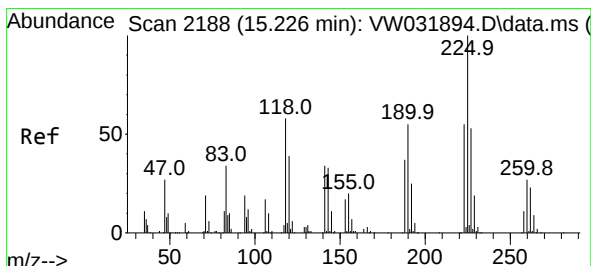
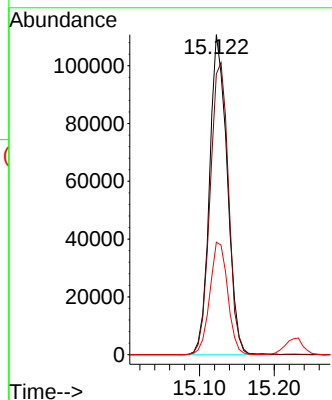
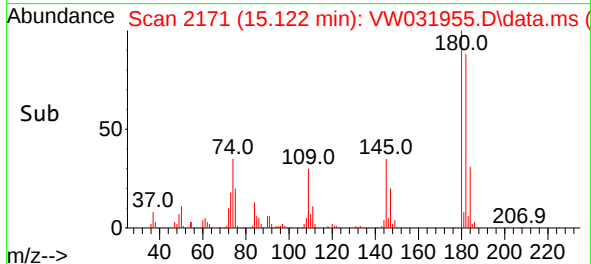


#93  
1,2,4-Trichlorobenzene  
Concen: 50.270 ug/l  
RT: 15.122 min Scan# 2171  
Delta R.T. -0.006 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDCCC050

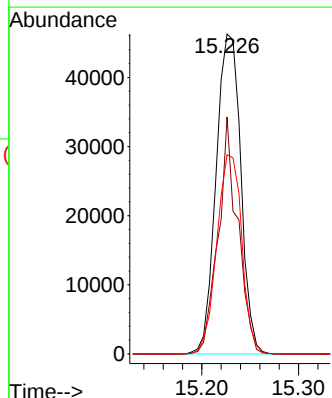
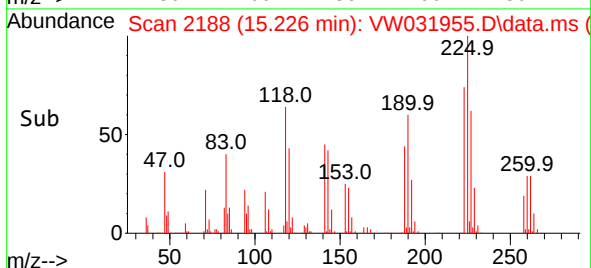
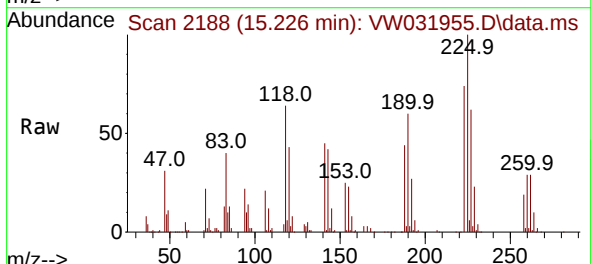


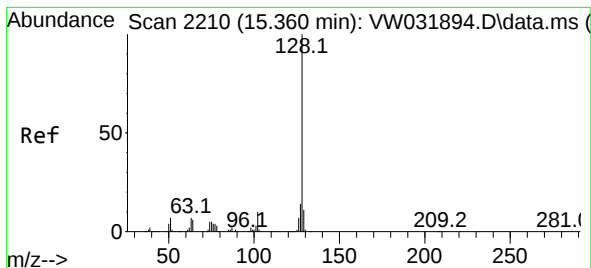
Tgt Ion:180 Resp: 181515  
Ion Ratio Lower Upper  
180 100  
182 95.3 51.0 153.1  
145 35.7 18.4 55.4



#94  
Hexachlorobutadiene  
Concen: 47.881 ug/l  
RT: 15.226 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: VW031955.D  
Acq: 30 Jul 2025 10:30

Tgt Ion:225 Resp: 81924  
Ion Ratio Lower Upper  
225 100  
223 58.7 30.9 92.7  
227 63.0 30.0 90.1





#95

Naphthalene

Concen: 53.194 ug/l

RT: 15.360 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Instrument :

MSVOA\_W

ClientSampleId :

VSTDCCC050

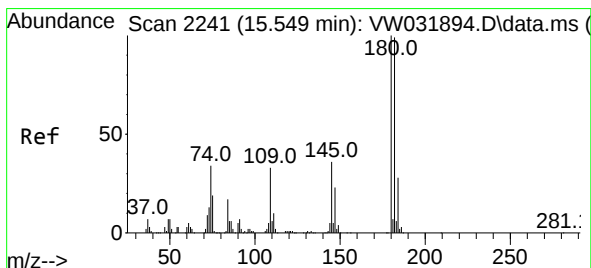
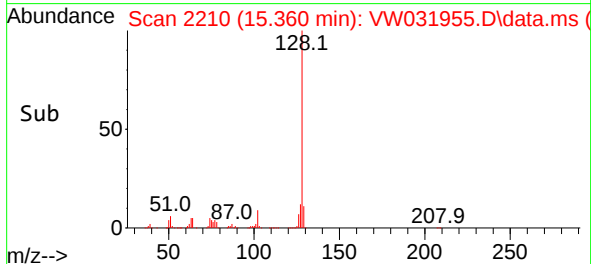
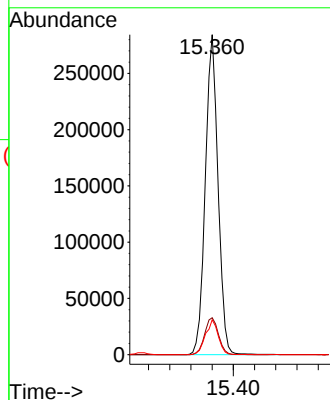
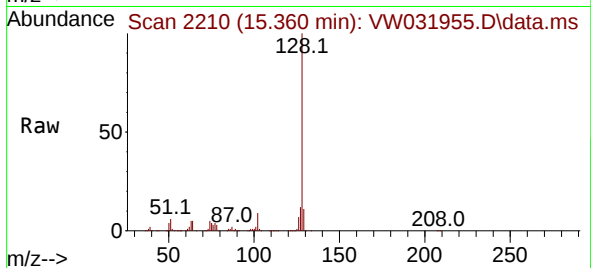
Tgt Ion:128 Resp: 472218

Ion Ratio Lower Upper

128 100

127 12.5 10.7 16.1

129 10.9 9.2 13.8



#96

1,2,3-Trichlorobenzene

Concen: 49.849 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. -0.000 min

Lab File: VW031955.D

Acq: 30 Jul 2025 10:30

Tgt Ion:180 Resp: 163083

Ion Ratio Lower Upper

180 100

182 96.8 50.4 151.2

145 39.5 18.6 55.8

