

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW063025\  
 Data File : VW031731.D  
 Acq On : 30 Jun 2025 10:58  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC020

Quant Time: Jul 01 02:19:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 02:17:14 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.959  | 168  | 206362   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.849  | 114  | 368808   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.629 | 117  | 347024   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.555 | 152  | 169543   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.313  | 65    | 61033    | 20.609   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 63 - 155 | Recovery | =    | 41.220%# |
| 35) Dibromofluoromethane    | 7.898  | 113   | 51372    | 21.346   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 70 - 134 | Recovery | =    | 42.700%# |
| 50) Toluene-d8              | 10.324 | 98    | 190235   | 21.241   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 123 | Recovery | =    | 42.480%# |
| 62) 4-Bromofluorobenzene    | 12.617 | 95    | 68269    | 20.714   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 17 - 146 | Recovery | =    | 41.420%  |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        | Qvalue  |        |     |
| 2) Dichlorodifluoromethane   | 2.045 | 85  | 29096  | 20.703  | ug/l   | 99  |
| 3) Chloromethane             | 2.253 | 50  | 35297  | 20.832  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.405 | 62  | 47534  | 21.344  | ug/l   | 95  |
| 5) Bromomethane              | 2.820 | 94  | 36582  | 21.030  | ug/l   | 98  |
| 6) Chloroethane              | 2.966 | 64  | 31253  | 20.660  | ug/l   | 93  |
| 7) Trichlorofluoromethane    | 3.301 | 101 | 36478  | 18.036  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.716 | 74  | 31642  | 20.589  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 4.100 | 101 | 46970  | 20.923  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.301 | 142 | 72612  | 20.981  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 5.209 | 59  | 17455  | 95.135  | ug/l # | 88  |
| 12) 1,1-Dichloroethene       | 4.069 | 96  | 51343  | 20.880  | ug/l   | 94  |
| 13) Acrolein                 | 3.923 | 56  | 33931  | 102.894 | ug/l   | 95  |
| 14) Allyl chloride           | 4.697 | 41  | 77423  | 20.522  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.398 | 53  | 75131  | 99.411  | ug/l   | 99  |
| 16) Acetone                  | 4.149 | 43  | 70616  | 95.875  | ug/l   | 97  |
| 17) Carbon Disulfide         | 4.411 | 76  | 135917 | 20.656  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.703 | 43  | 41106  | 19.649  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.459 | 73  | 85702  | 20.535  | ug/l   | 97  |
| 20) Methylene Chloride       | 4.947 | 84  | 74694  | 22.889  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.453 | 96  | 55073  | 21.078  | ug/l   | 95  |
| 22) Diisopropyl ether        | 6.337 | 45  | 154496 | 20.997  | ug/l   | 97  |
| 23) Vinyl Acetate            | 6.276 | 43  | 511743 | 101.822 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.234 | 63  | 100608 | 21.090  | ug/l   | 100 |
| 25) 2-Butanone               | 7.191 | 43  | 91095  | 95.657  | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 7.179 | 77  | 57600  | 20.695  | ug/l   | 98  |
| 27) cis-1,2-Dichloroethene   | 7.191 | 96  | 62244  | 20.725  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.526 | 49  | 44182  | 20.988  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 7.550 | 42  | 64497  | 98.896  | ug/l   | 99  |
| 30) Chloroform               | 7.691 | 83  | 107197 | 21.148  | ug/l   | 98  |
| 31) Cyclohexane              | 7.965 | 56  | 85236  | 20.213  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 7.880 | 97  | 80117  | 20.509  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.093 | 75  | 73346  | 21.061  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.270 | 43  | 45062  | 20.512  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 8.081 | 117 | 73482  | 20.706  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.343 | 83  | 89081  | 20.560  | ug/l   | 98  |
| 40) Benzene                  | 8.331 | 78  | 218756 | 21.231  | ug/l   | 99  |

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 Sample : VSTDICC020  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDICC020

Quant Time: Jul 01 02:19:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 02:17:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.489  | 41   | 22541    | 19.154  | ug/l   | 91       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 72797    | 20.910  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.434  | 43   | 76119    | 20.101  | ug/l   | 100      |
| 44) Trichloroethene           | 9.099  | 130  | 54194    | 21.074  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.373  | 63   | 52141    | 20.939  | ug/l   | 100      |
| 46) Dibromomethane            | 9.465  | 93   | 33467    | 20.817  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.648  | 83   | 77246    | 20.490  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.440  | 41   | 36279    | 19.484  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 6528     | 381.413 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.209 | 43   | 217881   | 100.078 | ug/l   | 99       |
| 52) Toluene                   | 10.391 | 92   | 138387   | 20.978  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.605 | 75   | 72498    | 20.496  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.074 | 75   | 84285    | 21.019  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 44134    | 20.957  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.647 | 69   | 56229    | 19.681  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.928 | 76   | 76367    | 20.654  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 162561   | 103.330 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.964 | 43   | 143482   | 97.256  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.129 | 129  | 52126    | 20.699  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.233 | 107  | 43701    | 20.729  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.861 | 164  | 44967    | 19.810  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.653 | 112  | 154847   | 20.224  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 47923    | 19.641  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.727 | 91   | 265199   | 19.975  | ug/l   | 96       |
| 68) m/p-Xylenes               | 11.836 | 106  | 208380   | 40.829  | ug/l   | 97       |
| 69) o-Xylene                  | 12.165 | 106  | 95105    | 20.126  | ug/l   | 99       |
| 70) Styrene                   | 12.178 | 104  | 165896   | 20.307  | ug/l   | 100      |
| 71) Bromoform                 | 12.348 | 173  | 28135    | 19.330  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.464 | 105  | 249772   | 19.368  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.269 | 43   | 64599    | 18.584  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 55059    | 19.230  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.763 | 75   | 70877    | 32.350  | ug/l # | 1        |
| 77) Bromobenzene              | 12.745 | 156  | 55325    | 19.235  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.800 | 91   | 299620   | 19.402  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.885 | 91   | 184544   | 19.845  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 211664   | 19.828  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75   | 16911    | 17.978  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.982 | 91   | 192402   | 19.707  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 179144   | 19.591  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 216491   | 20.016  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 266984   | 19.452  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 223225   | 19.735  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 114120   | 19.784  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 115307   | 19.530  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.818 | 91   | 212509   | 19.336  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.086 | 117  | 38406    | 18.820  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.866 | 146  | 102449   | 19.432  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 10404    | 18.610  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.128 | 180  | 63033    | 19.386  | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 29695    | 18.913  | ug/l   | 94       |
| 95) Naphthalene               | 15.354 | 128  | 146159   | 18.335  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 56085    | 18.772  | ug/l   | 93       |

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Acq On : 30 Jun 2025 10:58  
Operator : SY/MD  
Sample : VSTDICC020  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

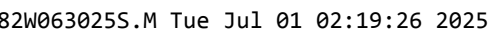
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

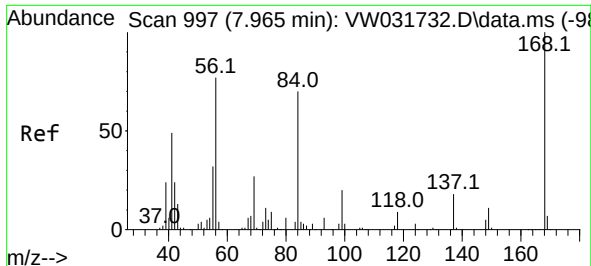
Quant Time: Jul 01 02:19:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 01 02:17:14 2025  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
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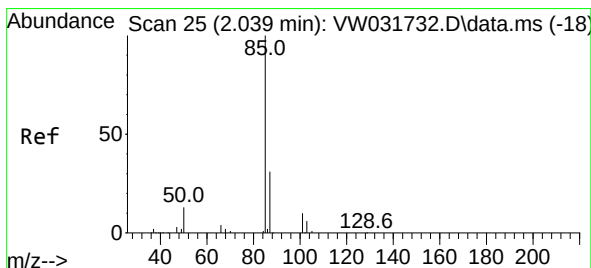
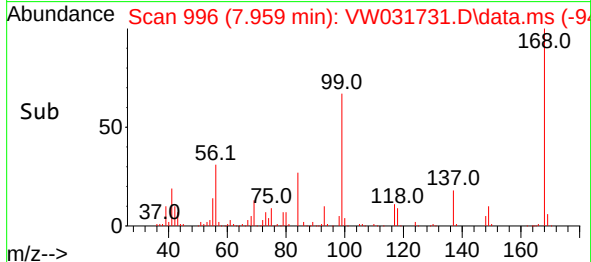
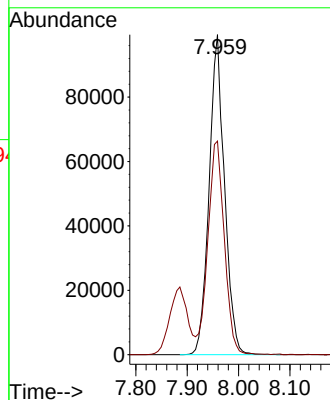
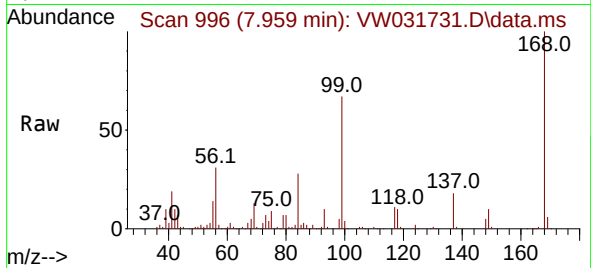




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

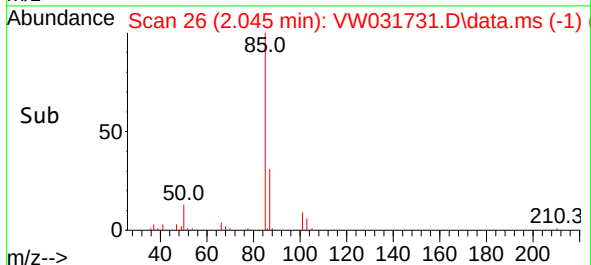
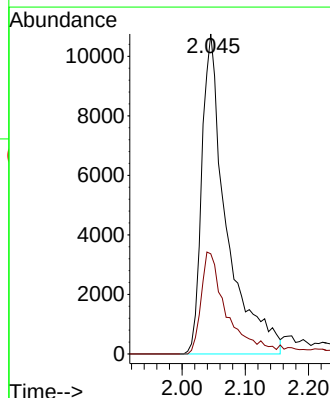
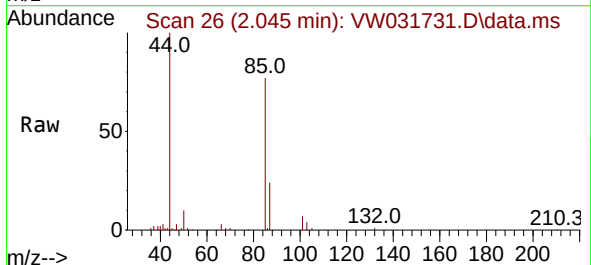
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

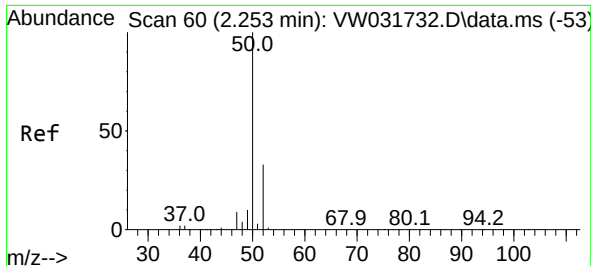
Tgt Ion:168 Resp: 206362  
Ion Ratio Lower Upper  
168 100  
99 66.6 49.4 74.2



#2  
Dichlorodifluoromethane  
Concen: 20.703 ug/l  
RT: 2.045 min Scan# 26  
Delta R.T. 0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 85 Resp: 29096  
Ion Ratio Lower Upper  
85 100  
87 31.3 15.4 46.2

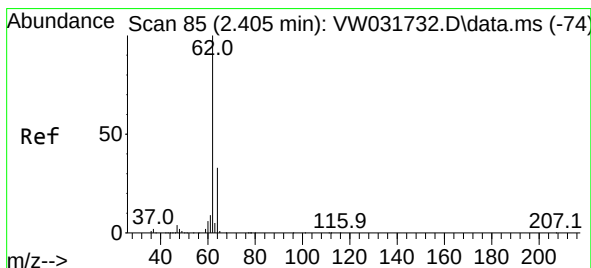
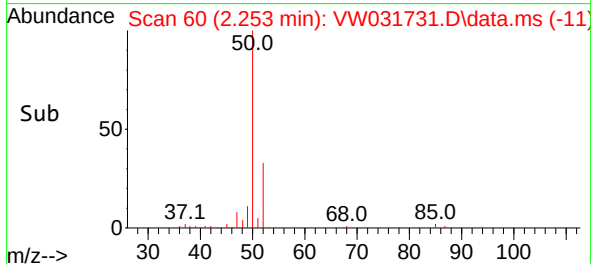
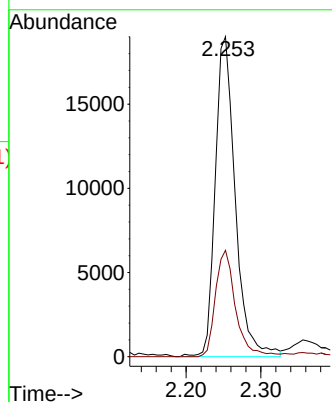
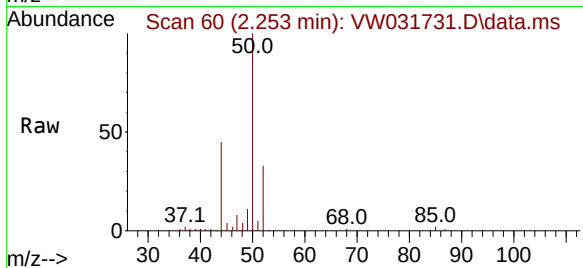




#3  
Chloromethane  
Concen: 20.832 ug/l  
RT: 2.253 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

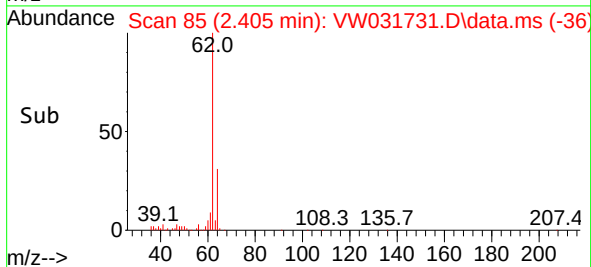
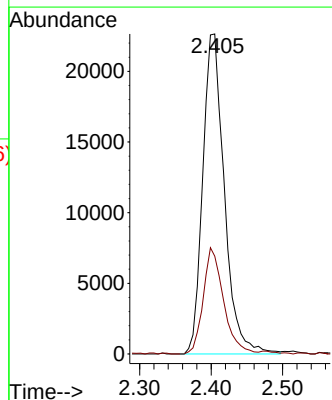
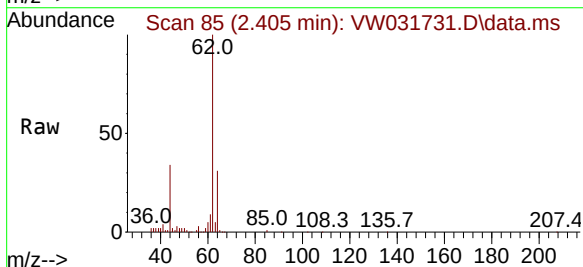
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

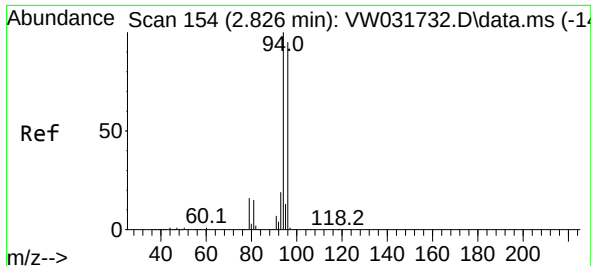
Tgt Ion: 50 Resp: 35297  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.2 39.2



#4  
Vinyl Chloride  
Concen: 21.344 ug/l  
RT: 2.405 min Scan# 85  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 62 Resp: 47534  
Ion Ratio Lower Upper  
62 100  
64 30.5 26.8 40.2

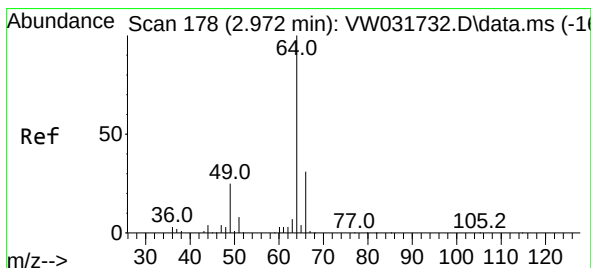
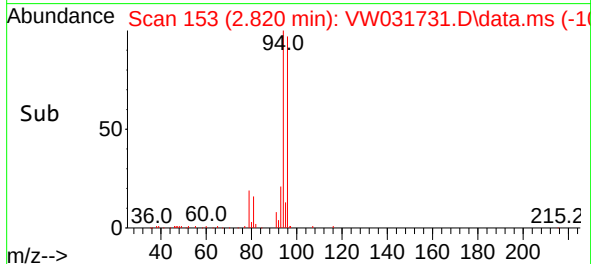
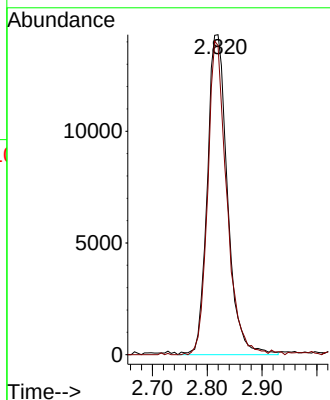
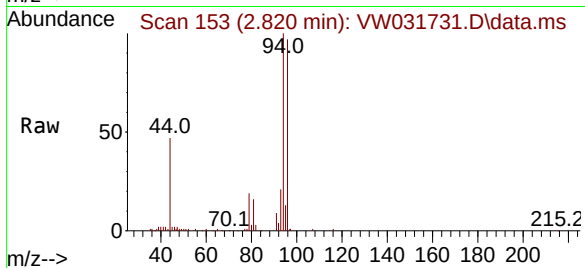




#5  
Bromomethane  
Concen: 21.030 ug/l  
RT: 2.820 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

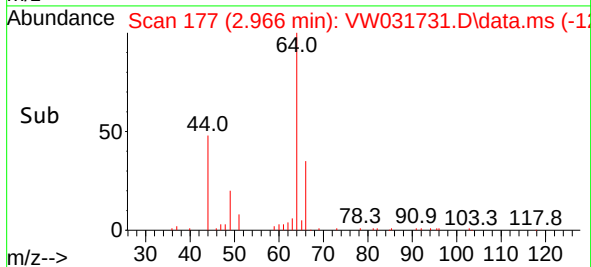
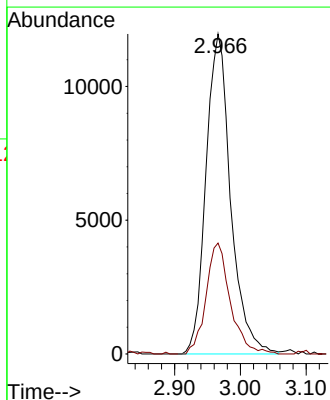
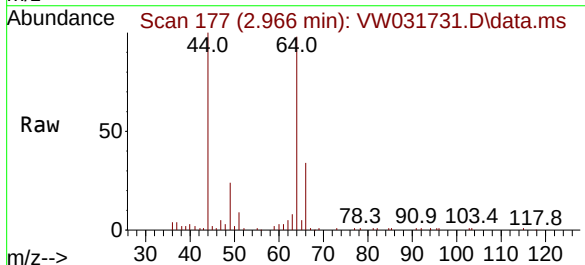
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

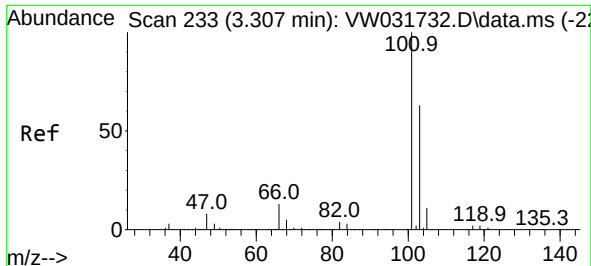
Tgt Ion: 94 Resp: 36582  
Ion Ratio Lower Upper  
94 100  
96 96.6 75.6 113.4



#6  
Chloroethane  
Concen: 20.660 ug/l  
RT: 2.966 min Scan# 177  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 64 Resp: 31253  
Ion Ratio Lower Upper  
64 100  
66 34.6 24.5 36.7

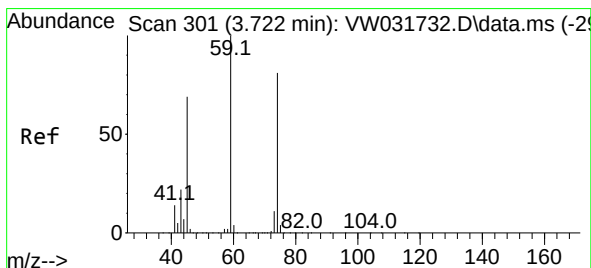
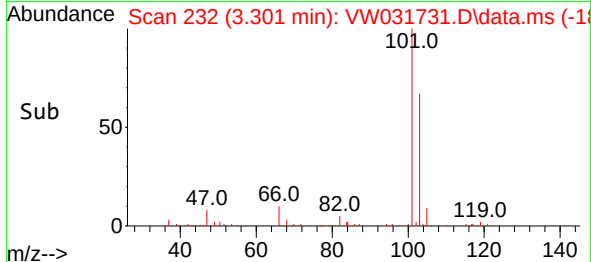
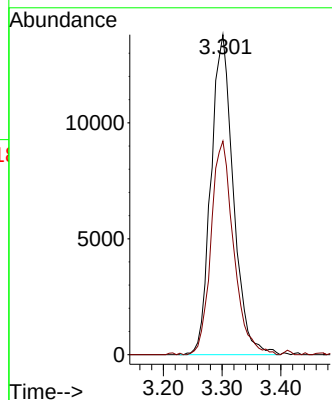
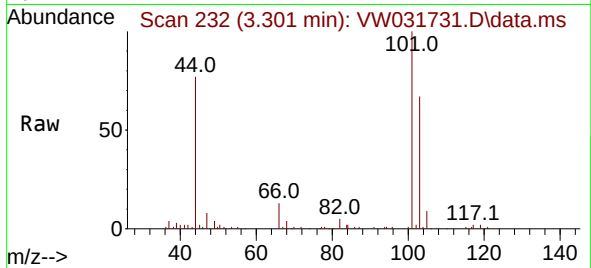




#7  
 Trichlorofluoromethane  
 Concen: 18.036 ug/l  
 RT: 3.301 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

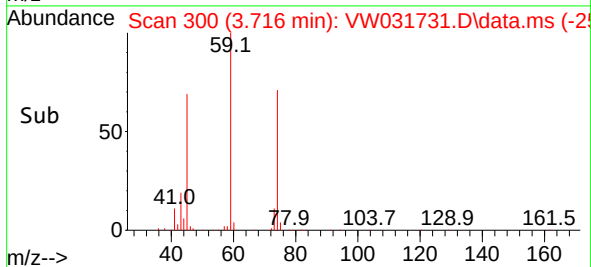
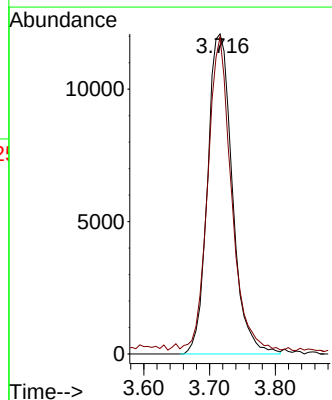
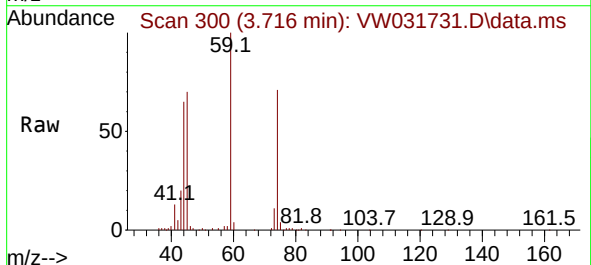
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tgt Ion:101 Resp: 36478  
 Ion Ratio Lower Upper  
 101 100  
 103 66.7 50.2 75.4

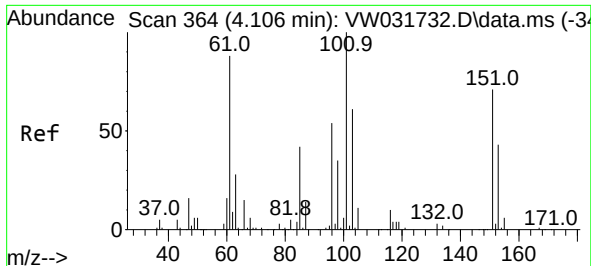


#8  
 Diethyl Ether  
 Concen: 20.589 ug/l  
 RT: 3.716 min Scan# 300  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

Tgt Ion: 74 Resp: 31642  
 Ion Ratio Lower Upper  
 74 100  
 45 92.6 43.9 131.7



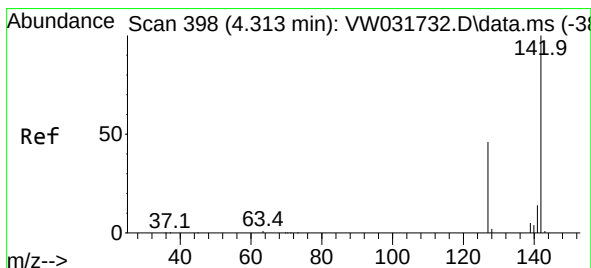
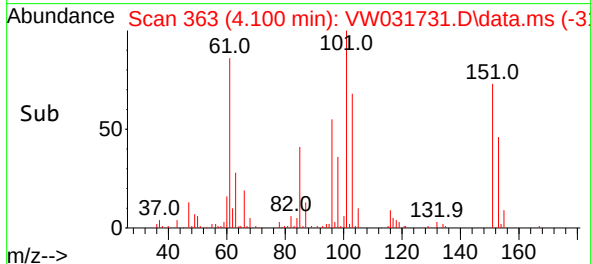
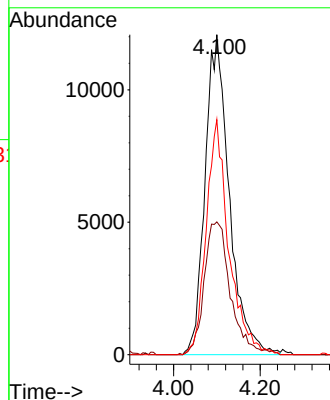
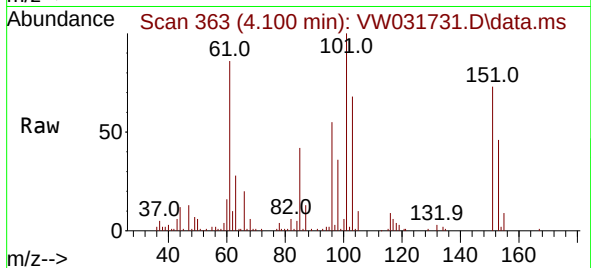




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.923 ug/l  
RT: 4.100 min Scan# 301  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

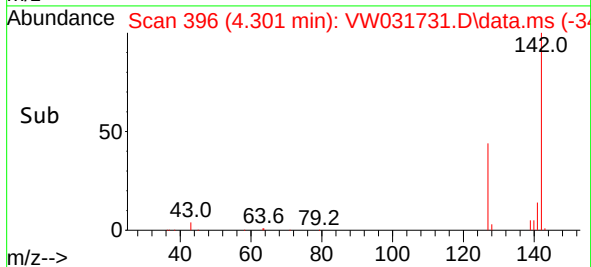
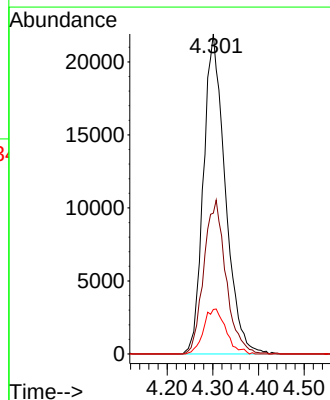
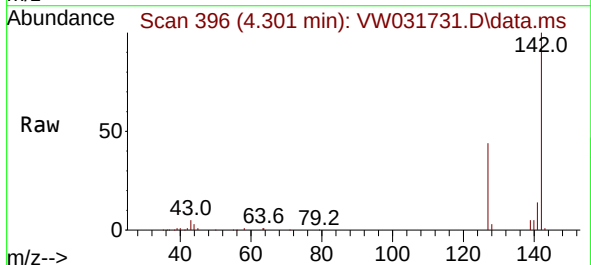
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

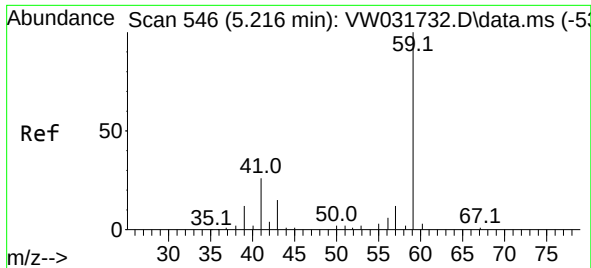
Tgt Ion:101 Resp: 46970  
Ion Ratio Lower Upper  
101 100  
85 45.0 35.6 53.4  
151 68.6 56.8 85.2



#10  
Methyl Iodide  
Concen: 20.981 ug/l  
RT: 4.301 min Scan# 396  
Delta R.T. -0.012 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:142 Resp: 72612  
Ion Ratio Lower Upper  
142 100  
127 48.7 37.9 56.9  
141 14.5 11.7 17.5

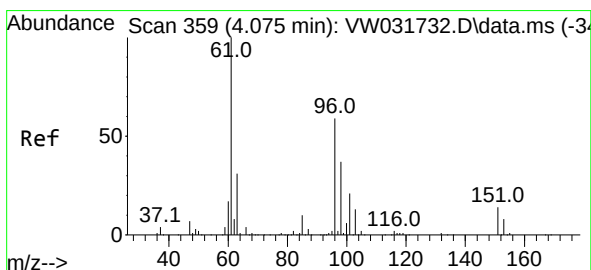
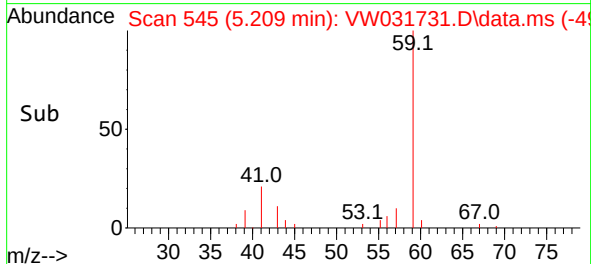
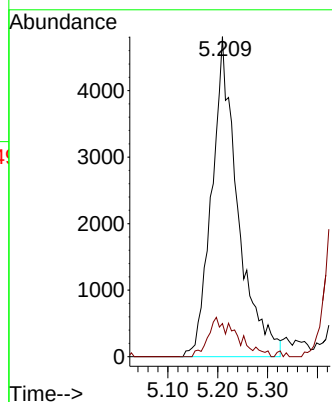
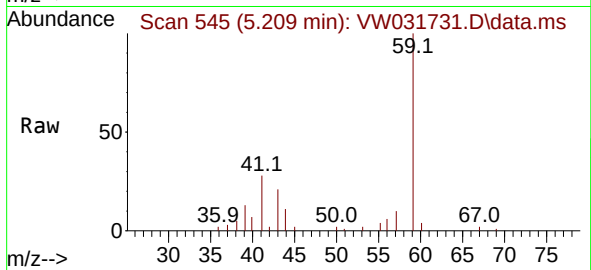




#11  
Tert butyl alcohol  
Concen: 95.135 ug/l  
RT: 5.209 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

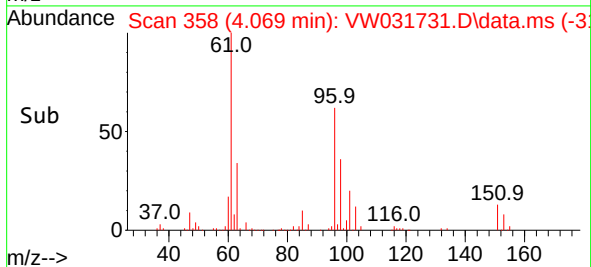
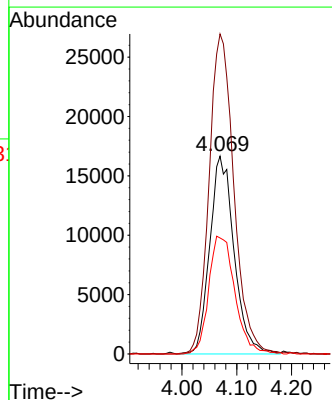
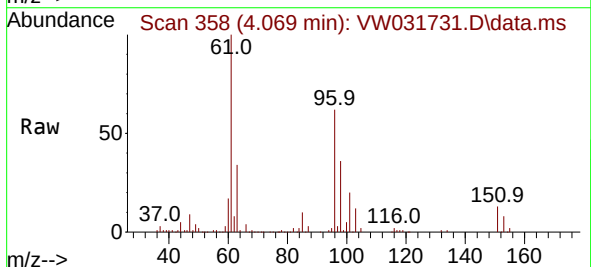
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

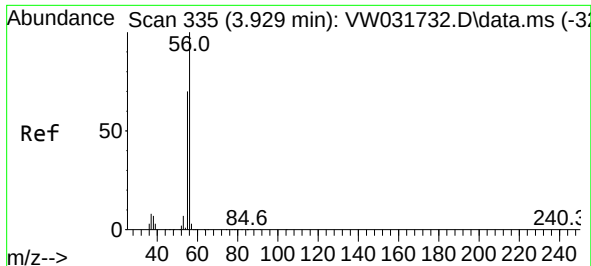
Tgt Ion: 59 Resp: 17455  
Ion Ratio Lower Upper  
59 100  
57 7.3 9.5 14.3#



#12  
1,1-Dichloroethene  
Concen: 20.880 ug/l  
RT: 4.069 min Scan# 358  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 96 Resp: 51343  
Ion Ratio Lower Upper  
96 100  
61 161.5 135.8 203.8  
98 58.7 50.4 75.6

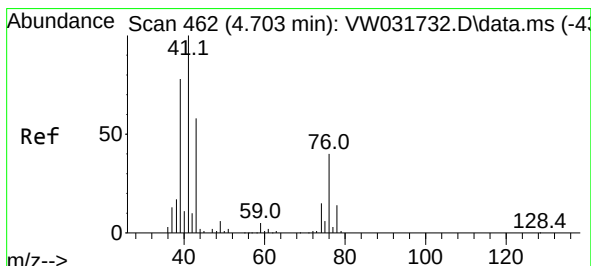
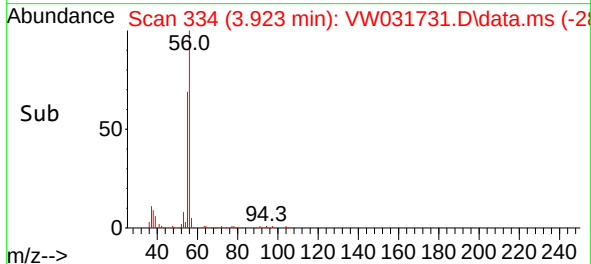
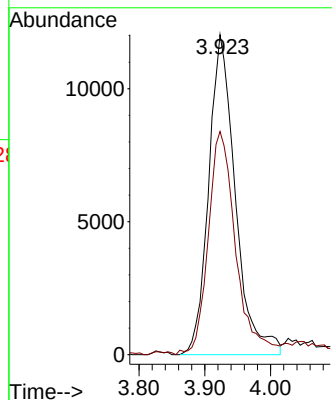
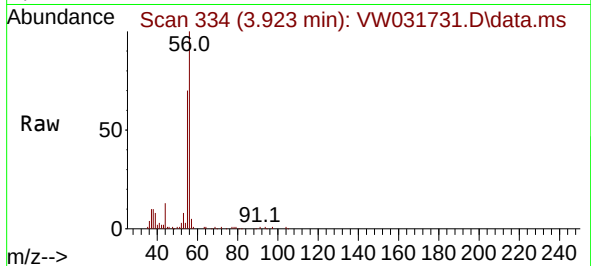




#13  
Acrolein  
Concen: 102.894 ug/l  
RT: 3.923 min Scan# 334  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

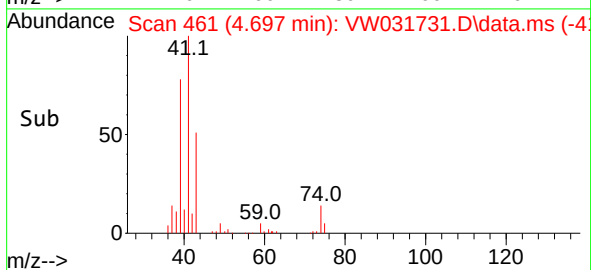
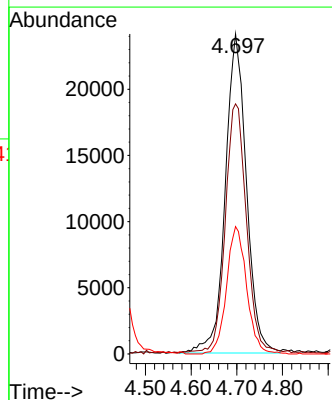
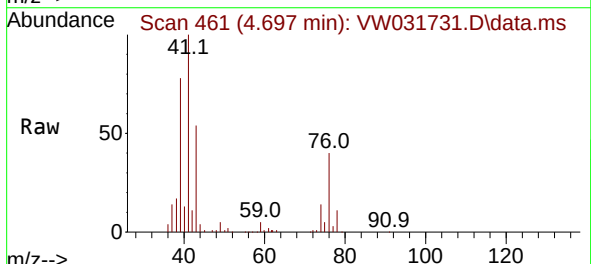
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

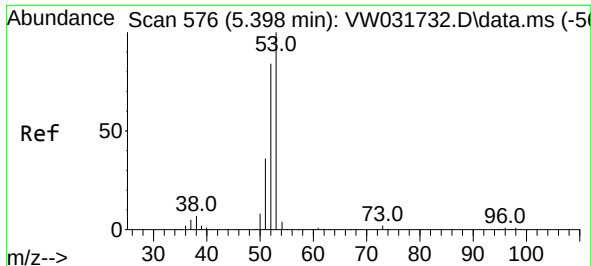
Tgt Ion: 56 Resp: 33931  
Ion Ratio Lower Upper  
56 100  
55 71.7 54.0 81.0



#14  
Allyl chloride  
Concen: 20.522 ug/l  
RT: 4.697 min Scan# 461  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 77423  
Ion Ratio Lower Upper  
41 100  
39 77.6 60.7 91.1  
76 38.1 30.3 45.5

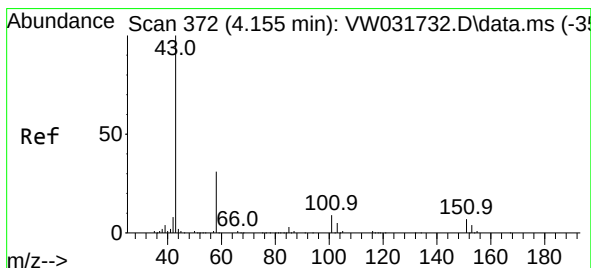
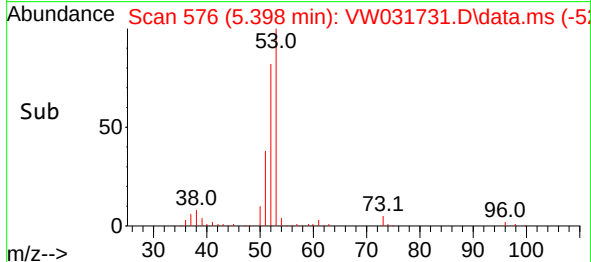
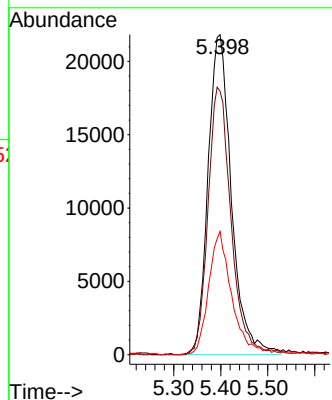
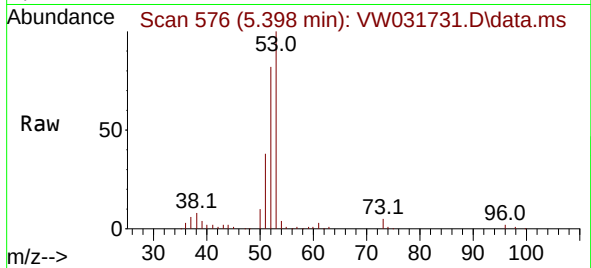




#15  
Acrylonitrile  
Concen: 99.411 ug/l  
RT: 5.398 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

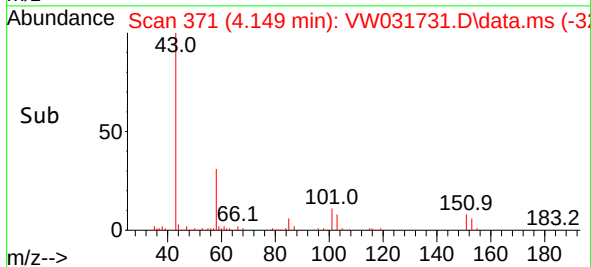
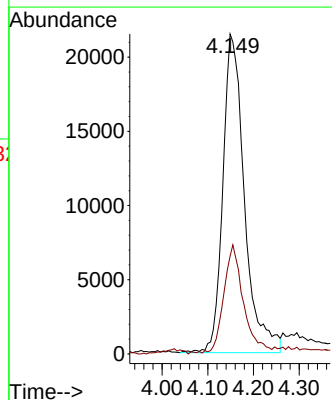
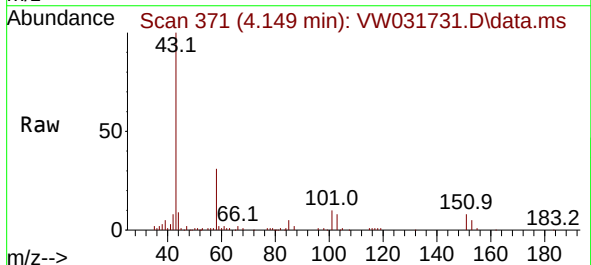
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

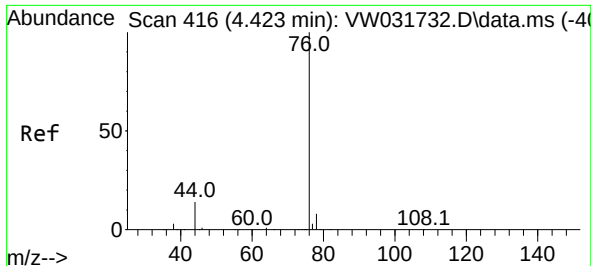
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 75131 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 82.1  | 66.4  | 99.6  |
| 51       | 38.5  | 29.9  | 44.9  |



#16  
Acetone  
Concen: 95.875 ug/l  
RT: 4.149 min Scan# 371  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 70616 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.5  | 24.8  | 37.2  |

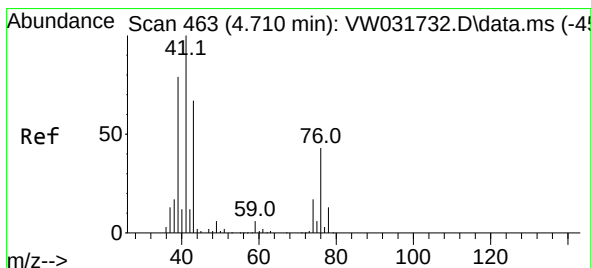
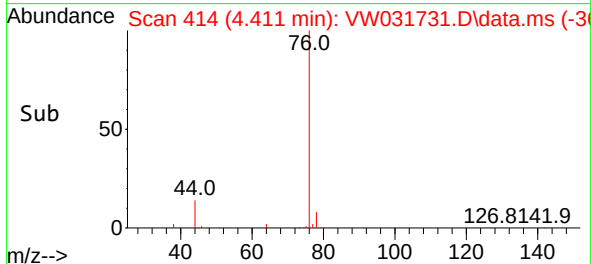
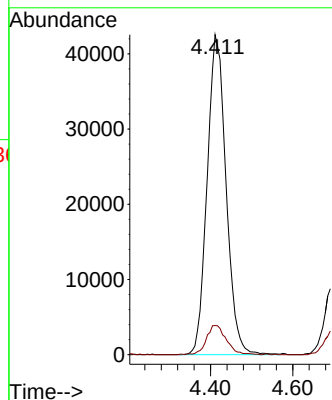
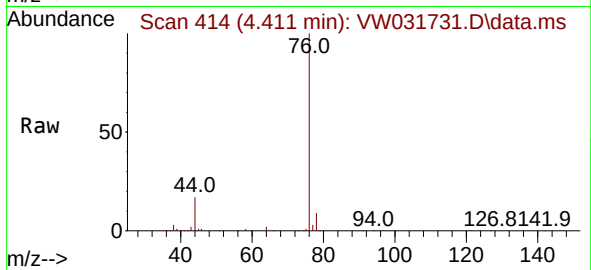




#17  
Carbon Disulfide  
Concen: 20.656 ug/l  
RT: 4.411 min Scan# 416  
Delta R.T. -0.012 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

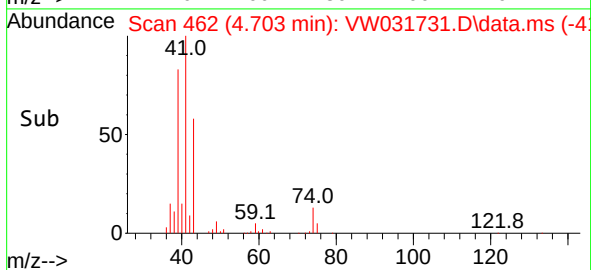
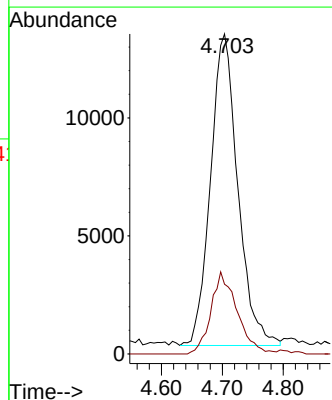
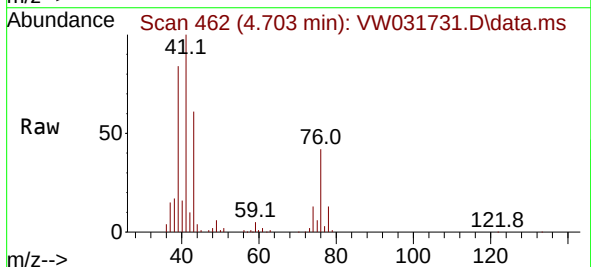
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

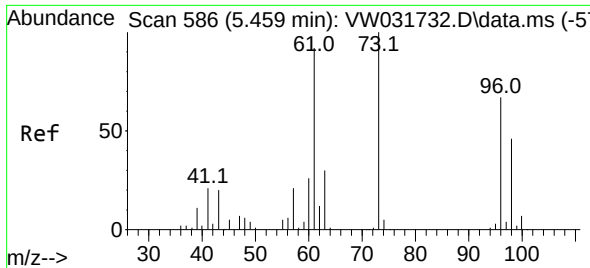
Tgt Ion: 76 Resp: 135917  
Ion Ratio Lower Upper  
76 100  
78 9.1 6.6 10.0



#18  
Methyl Acetate  
Concen: 19.649 ug/l  
RT: 4.703 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 41106  
Ion Ratio Lower Upper  
43 100  
74 25.2 20.6 30.8

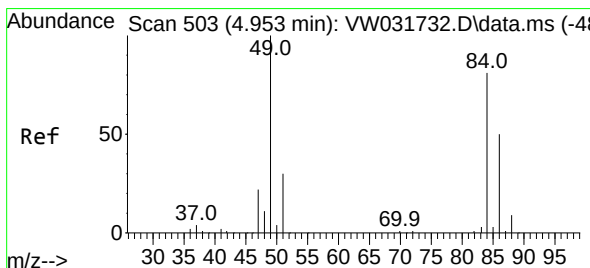
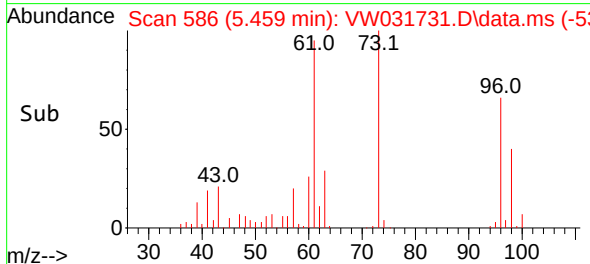
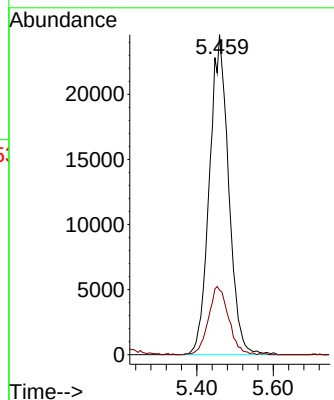
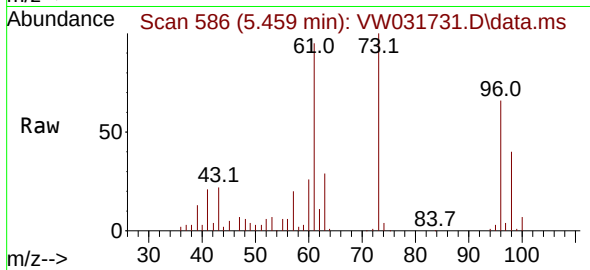




#19  
Methyl tert-butyl Ether  
Concen: 20.535 ug/l  
RT: 5.459 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

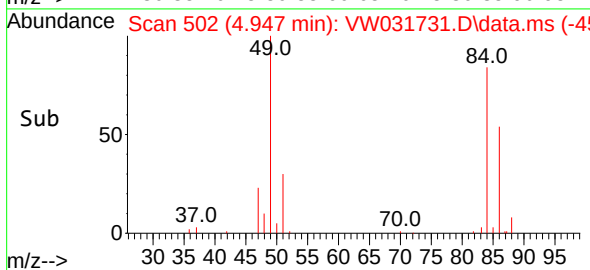
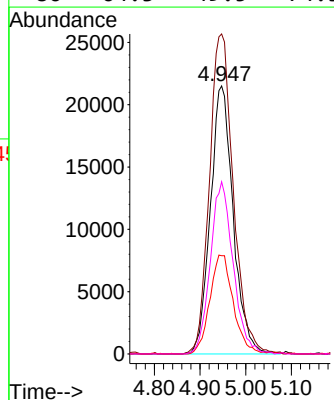
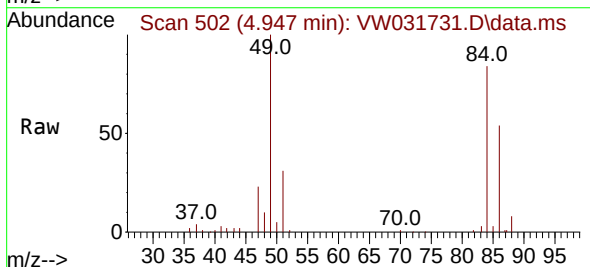
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

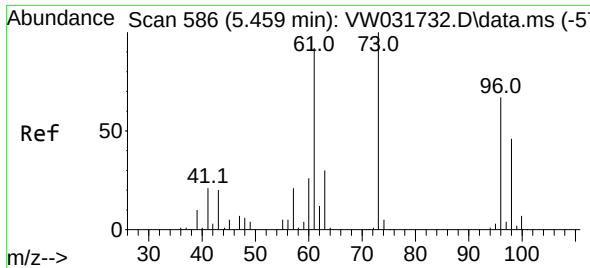
Tgt Ion: 73 Resp: 85702  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.2 25.8



#20  
Methylene Chloride  
Concen: 22.889 ug/l  
RT: 4.947 min Scan# 502  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 84 Resp: 74694  
Ion Ratio Lower Upper  
84 100  
49 119.4 98.2 147.4  
51 36.6 29.8 44.8  
86 64.3 49.5 74.3

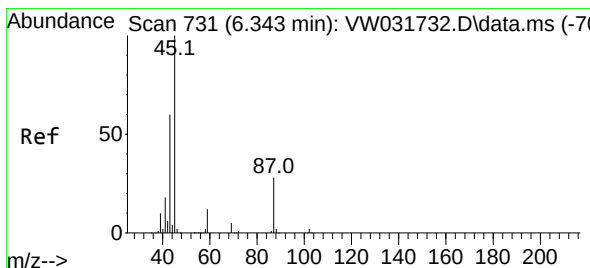
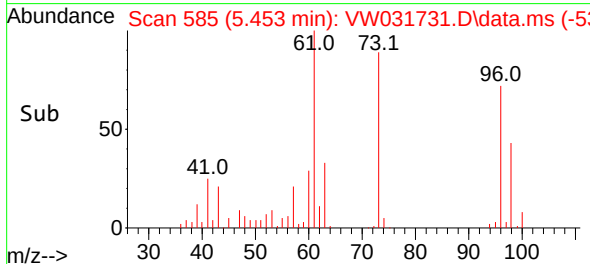
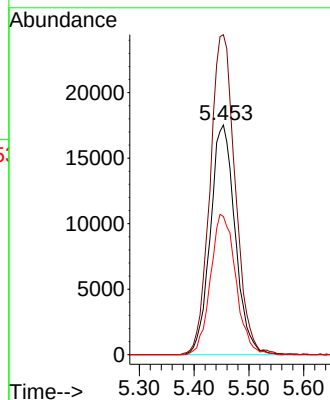
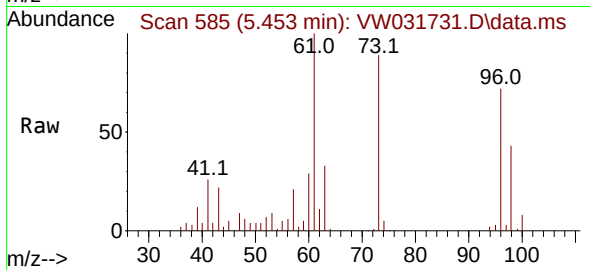




#21  
trans-1,2-Dichloroethene  
Concen: 21.078 ug/l  
RT: 5.453 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

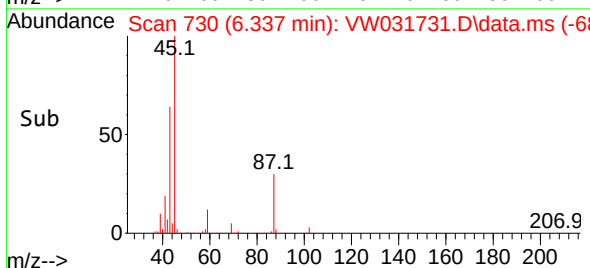
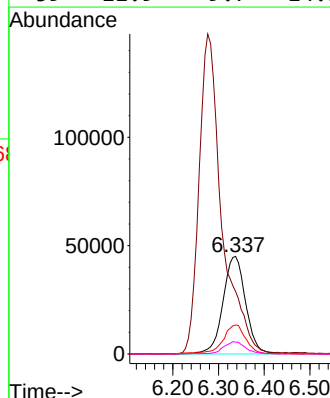
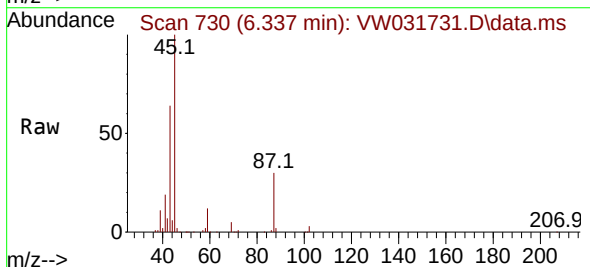
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

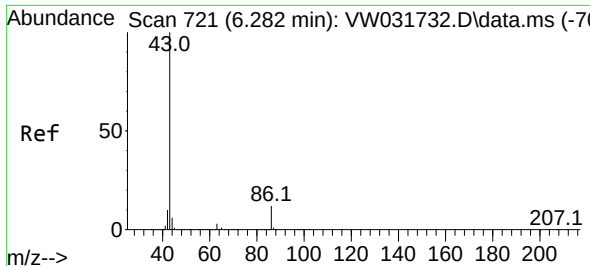
Tgt Ion: 96 Resp: 55073  
Ion Ratio Lower Upper  
96 100  
61 139.3 109.8 164.6  
98 60.2 54.9 82.3



#22  
Diisopropyl ether  
Concen: 20.997 ug/l  
RT: 6.337 min Scan# 730  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 45 Resp: 154496  
Ion Ratio Lower Upper  
45 100  
43 63.5 48.3 72.5  
87 29.5 22.6 34.0  
59 11.9 9.7 14.5

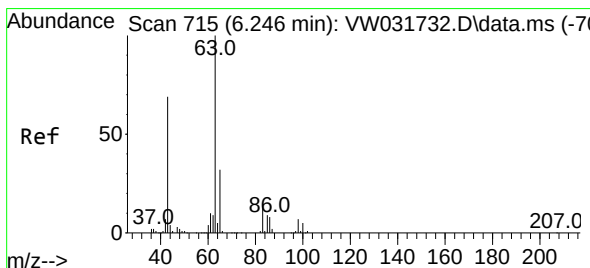
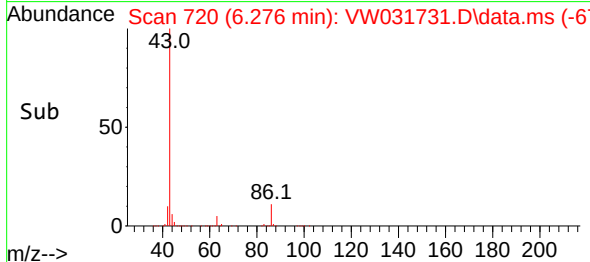
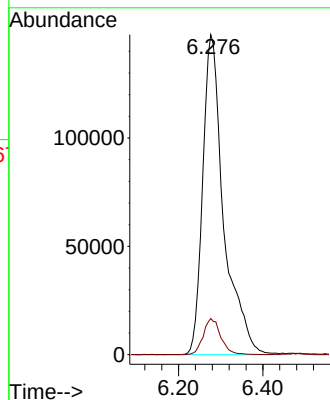
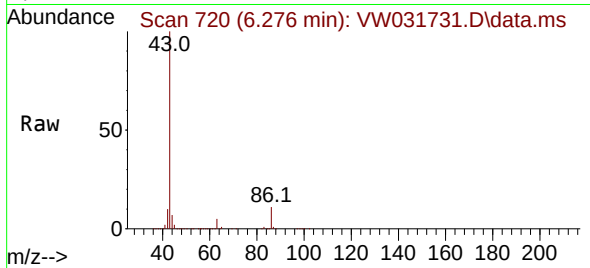




#23  
 Vinyl Acetate  
 Concen: 101.822 ug/l  
 RT: 6.276 min Scan# 713  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

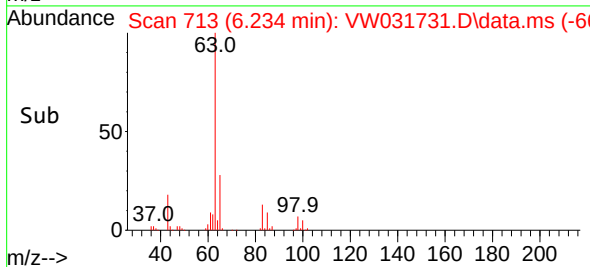
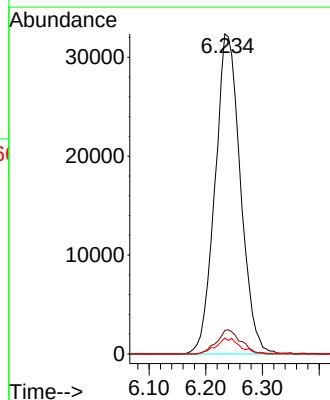
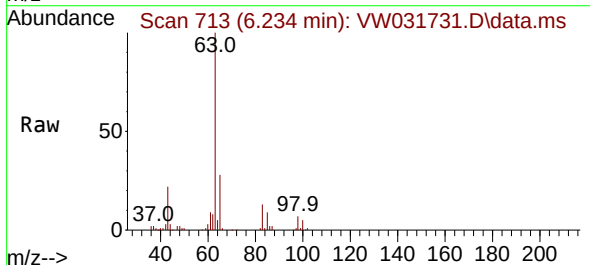
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

Tgt Ion: 43 Resp: 511743  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 9.2 13.8

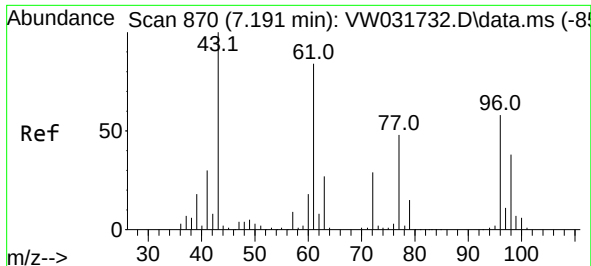


#24  
 1,1-Dichloroethane  
 Concen: 21.090 ug/l  
 RT: 6.234 min Scan# 713  
 Delta R.T. -0.012 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

Tgt Ion: 63 Resp: 100608  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.6  
 100 5.0 2.5 7.5



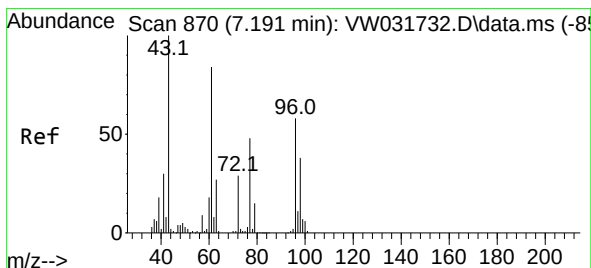
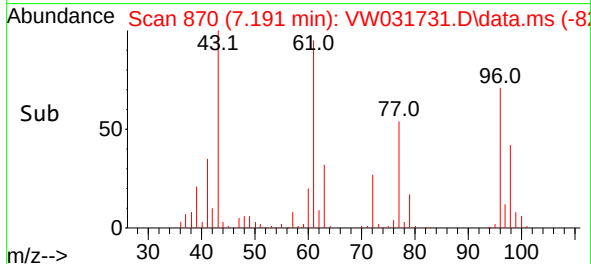
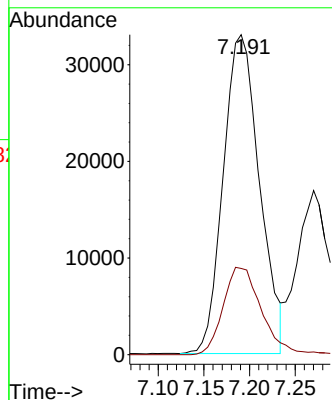
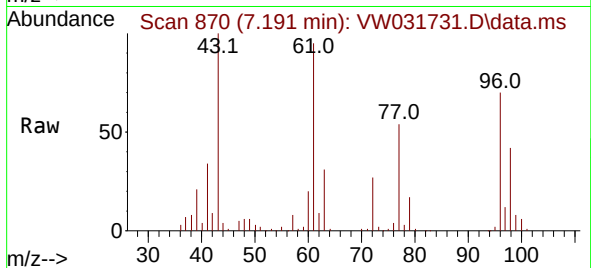




#25  
2-Butanone  
Concen: 95.657 ug/l  
RT: 7.191 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

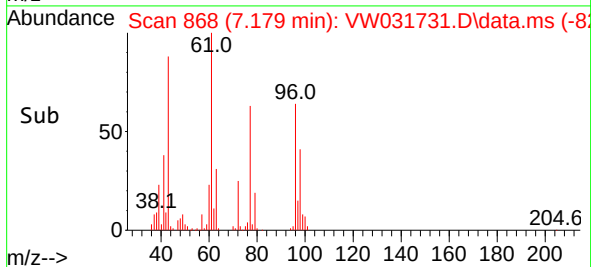
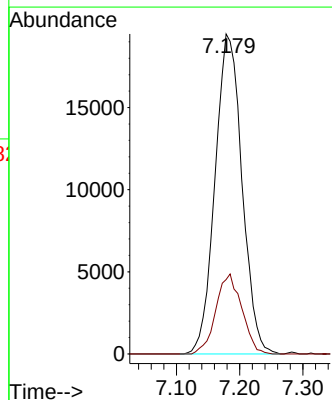
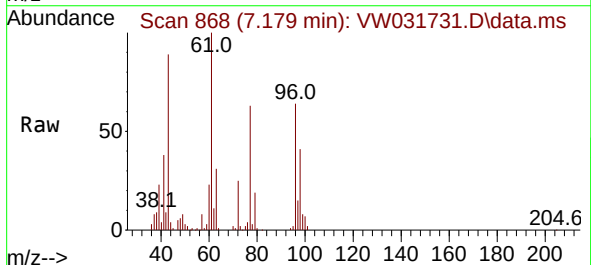
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

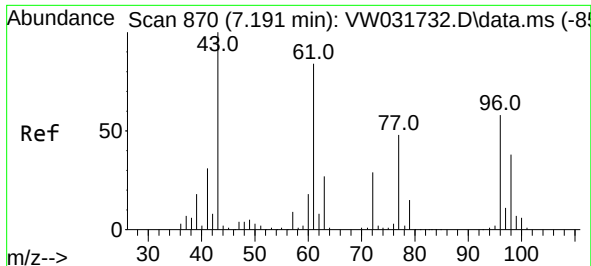
Tgt Ion: 43 Resp: 91095  
Ion Ratio Lower Upper  
43 100  
72 27.1 23.0 34.6



#26  
2,2-Dichloropropane  
Concen: 20.695 ug/l  
RT: 7.179 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 77 Resp: 57600  
Ion Ratio Lower Upper  
77 100  
97 24.0 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 20.725 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC020

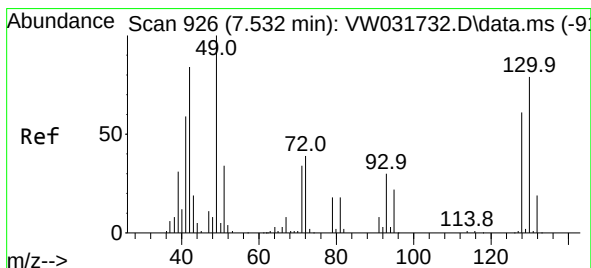
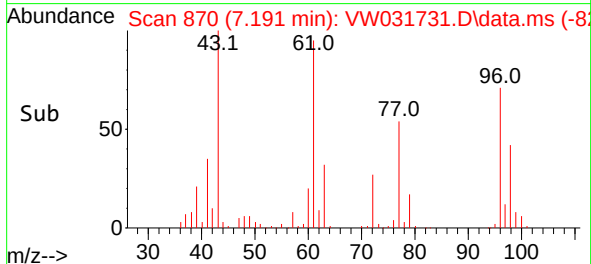
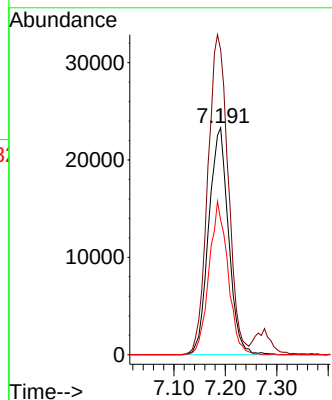
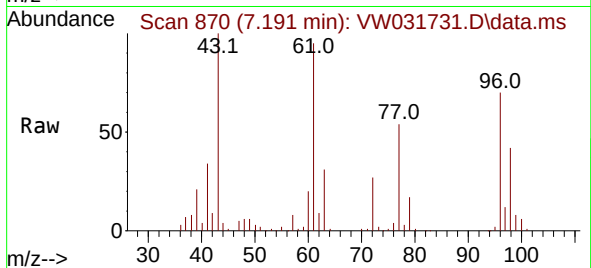
Tgt Ion: 96 Resp: 62244

Ion Ratio Lower Upper

96 100

61 145.1 0.0 286.8

98 64.4 0.0 130.4



#28

Bromochloromethane

Concen: 20.988 ug/l

RT: 7.526 min Scan# 925

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

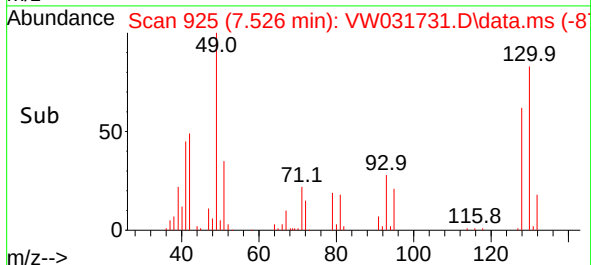
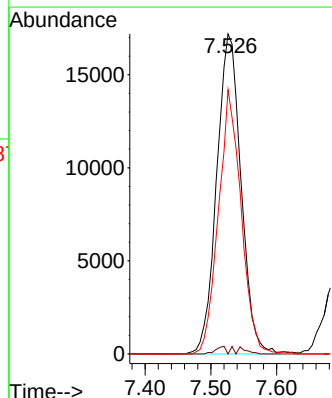
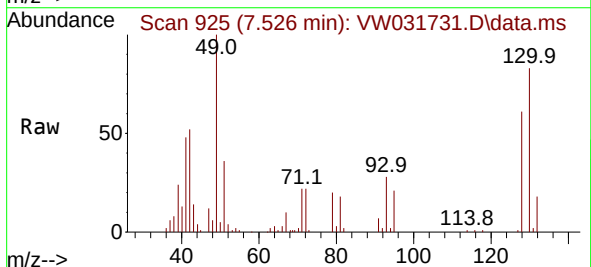
Tgt Ion: 49 Resp: 44182

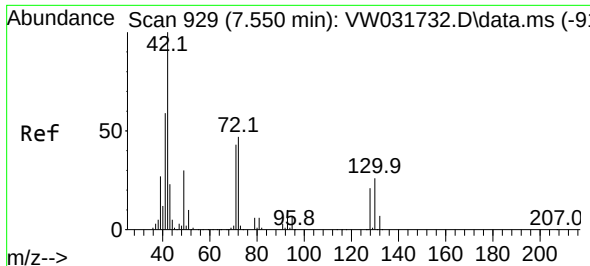
Ion Ratio Lower Upper

49 100

129 0.3 0.0 2.4

130 76.9 61.3 91.9

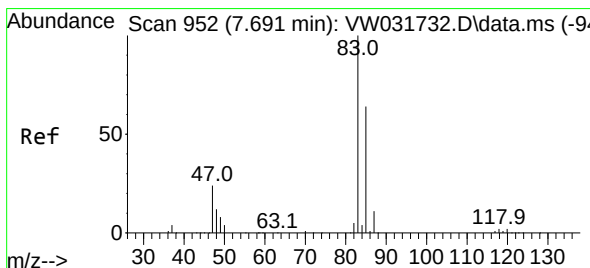
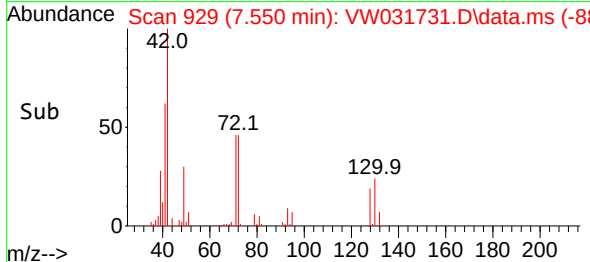
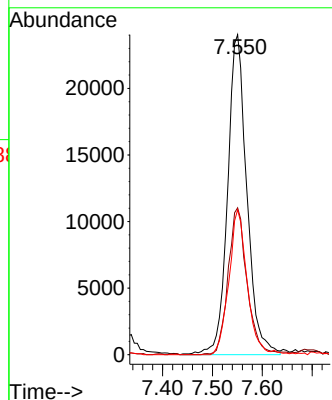
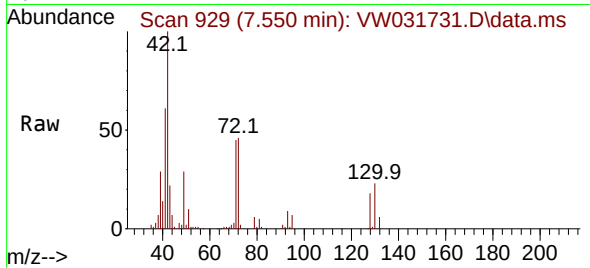




#29  
Tetrahydrofuran  
Concen: 98.896 ug/l  
RT: 7.550 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

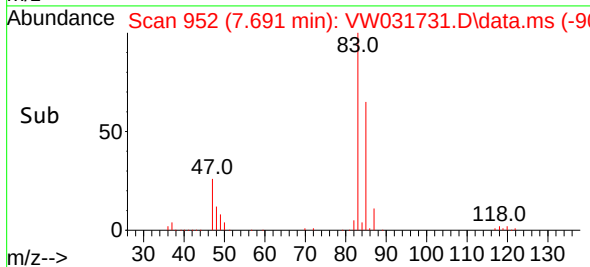
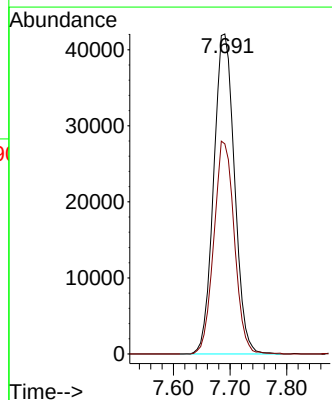
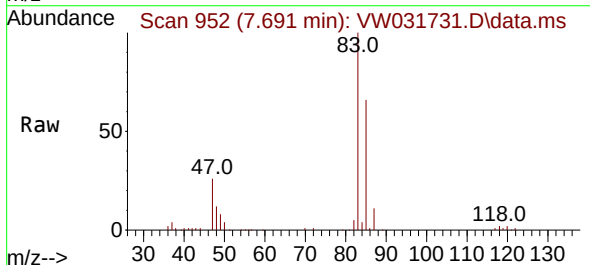
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

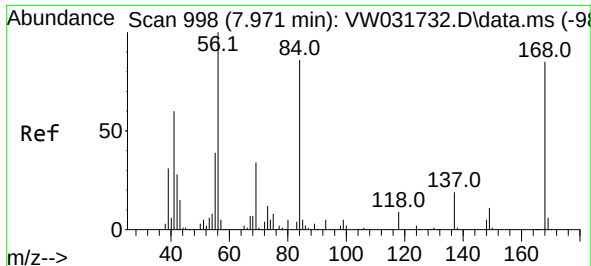
Tgt Ion: 42 Resp: 64497  
Ion Ratio Lower Upper  
42 100  
72 45.2 36.8 55.2  
71 42.4 34.6 52.0



#30  
Chloroform  
Concen: 21.148 ug/l  
RT: 7.691 min Scan# 952  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 83 Resp: 107197  
Ion Ratio Lower Upper  
83 100  
85 65.7 51.4 77.0

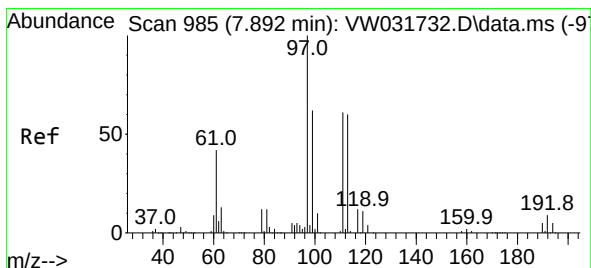
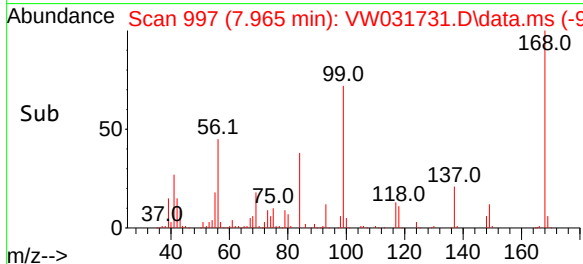
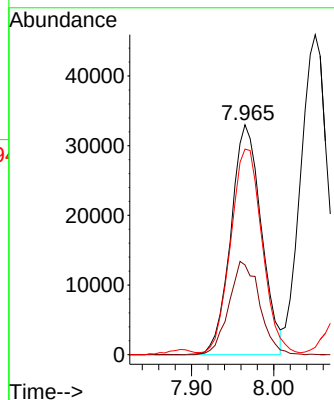
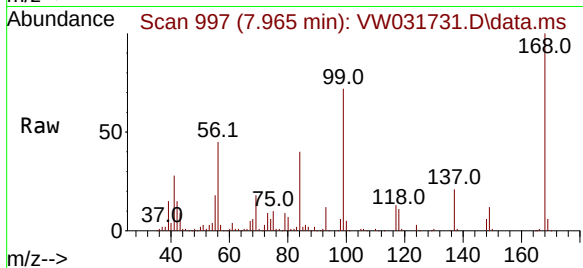




#31  
Cyclohexane  
Concen: 20.213 ug/l  
RT: 7.965 min Scan# 991  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

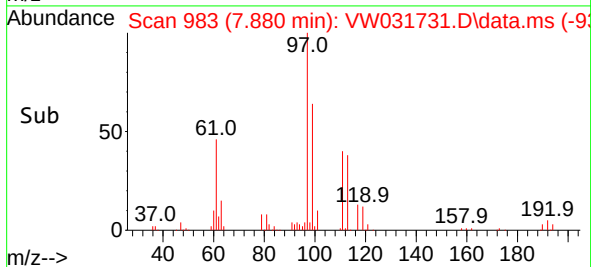
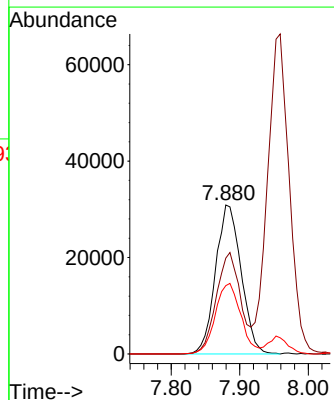
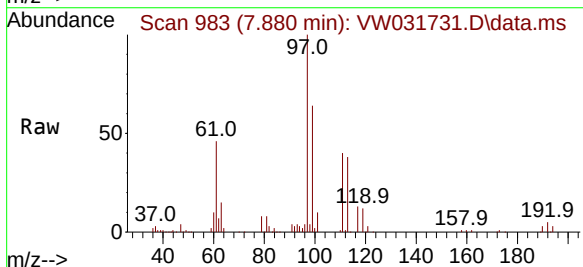
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

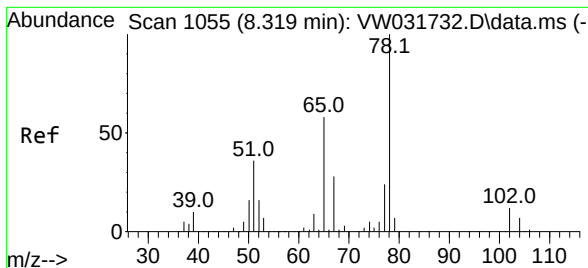
Tgt Ion: 56 Resp: 85236  
Ion Ratio Lower Upper  
56 100  
69 39.0 27.2 40.8  
84 87.2 68.5 102.7



#32  
1,1,1-Trichloroethane  
Concen: 20.509 ug/l  
RT: 7.880 min Scan# 983  
Delta R.T. -0.012 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 97 Resp: 80117  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.0 76.6  
61 47.2 36.0 54.0

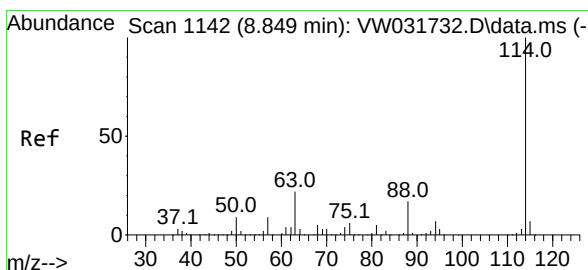
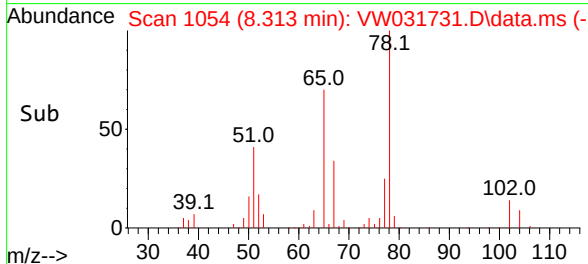
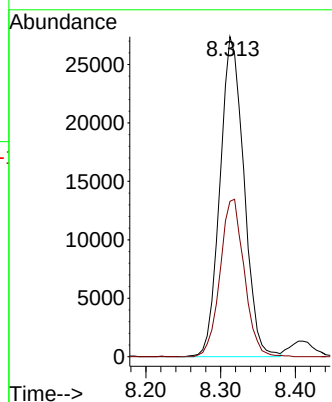
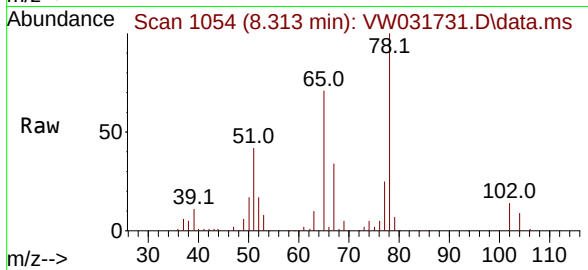




#33  
 1,2-Dichloroethane-d4  
 Concen: 20.609 ug/l  
 RT: 8.313 min Scan# 1055  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

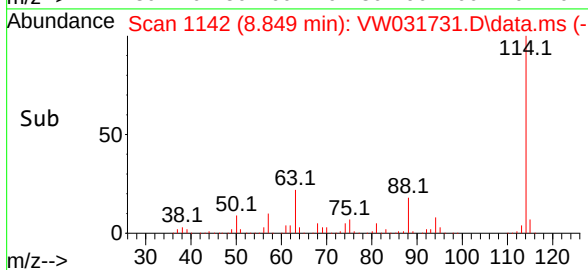
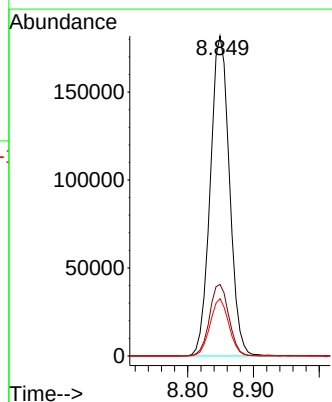
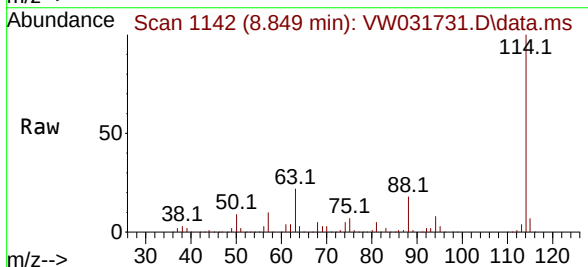
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

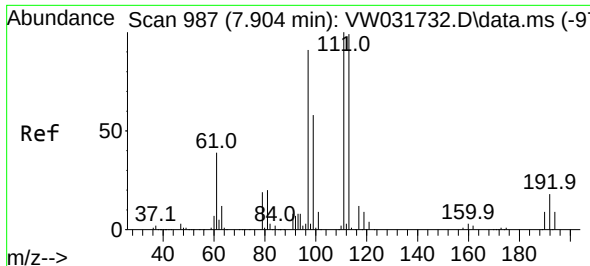
Tgt Ion: 65 Resp: 61033  
 Ion Ratio Lower Upper  
 65 100  
 67 49.6 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. 0.000 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

Tgt Ion: 114 Resp: 368808  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 43.6  
 88 17.9 0.0 34.2

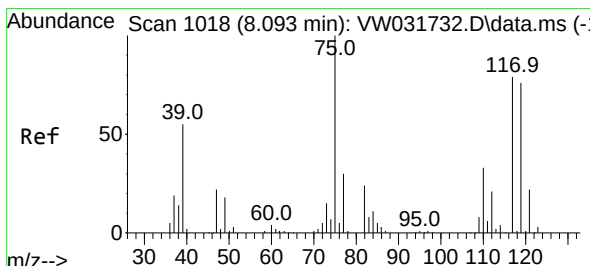
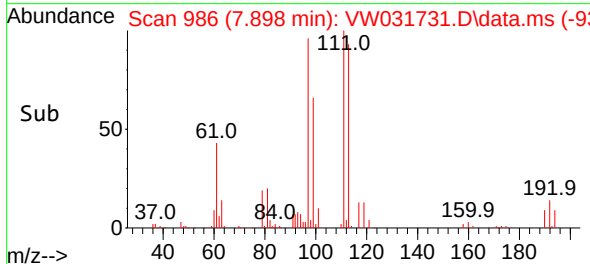
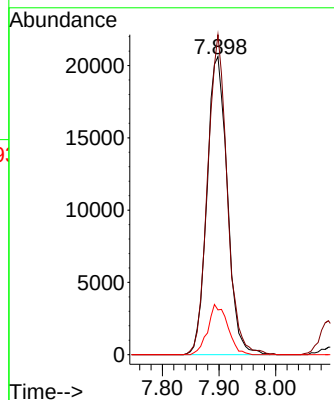
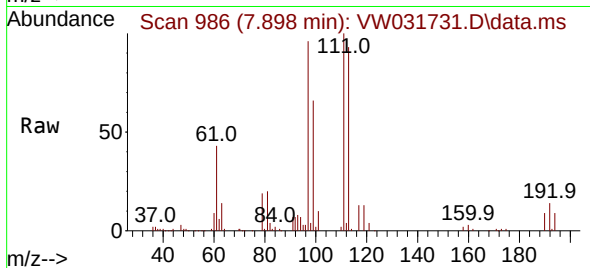




#35  
 Dibromofluoromethane  
 Concen: 21.346 ug/l  
 RT: 7.898 min Scan# 986  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

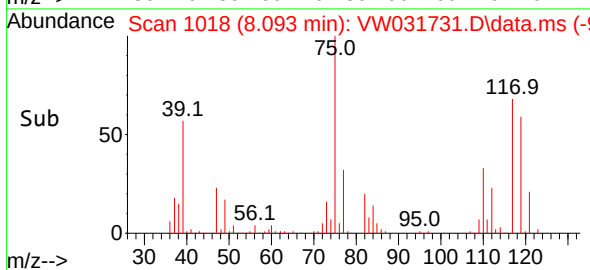
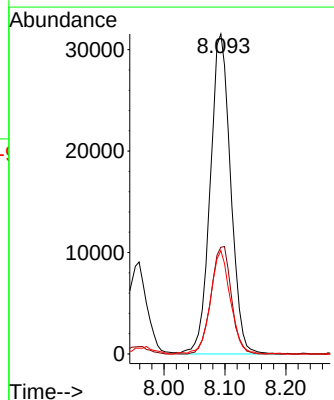
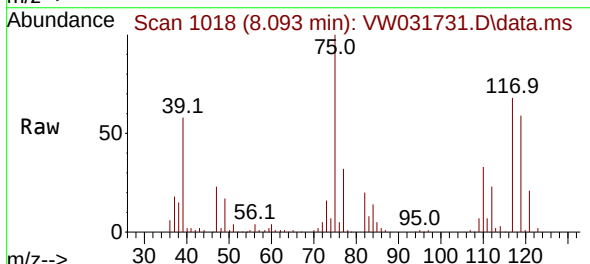
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

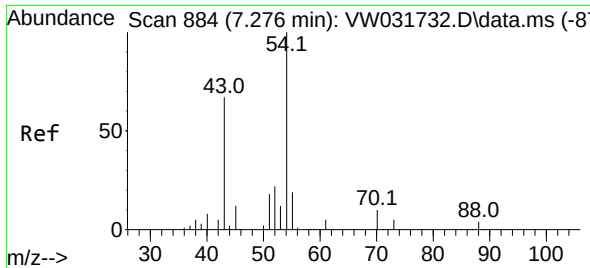
Tgt Ion:113 Resp: 51372  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.1 123.1  
 192 16.5 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 21.061 ug/l  
 RT: 8.093 min Scan# 1018  
 Delta R.T. 0.000 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 73346  
 Ion Ratio Lower Upper  
 75 100  
 110 33.6 16.8 50.4  
 77 31.6 25.0 37.6

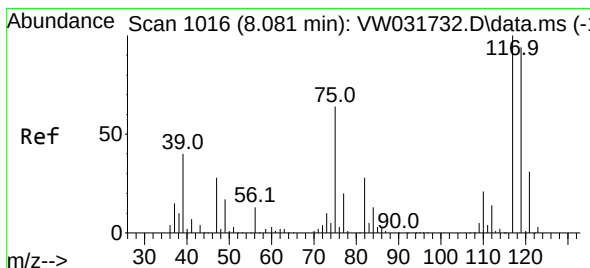
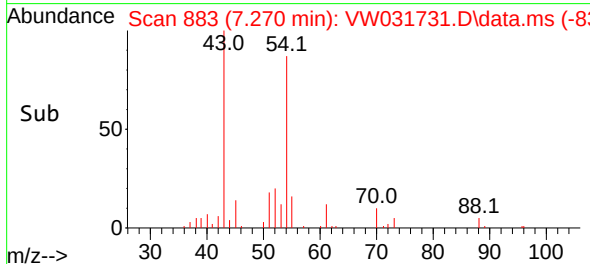
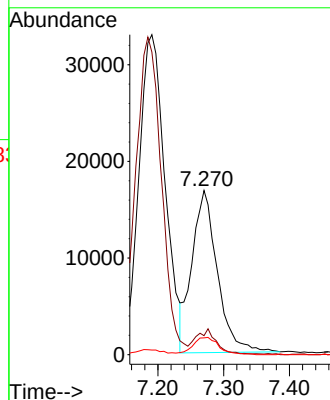
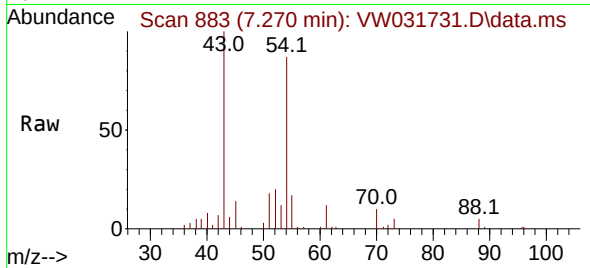




#37  
Ethyl Acetate  
Concen: 20.512 ug/l  
RT: 7.270 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

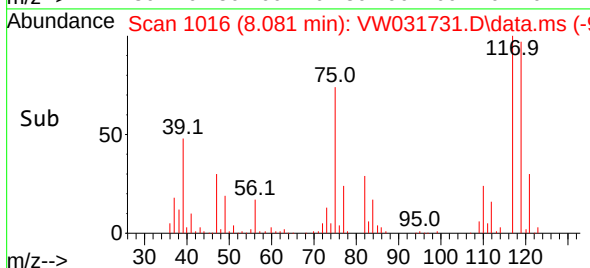
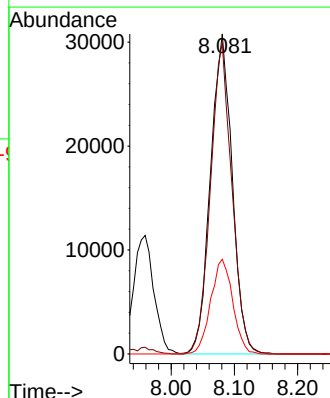
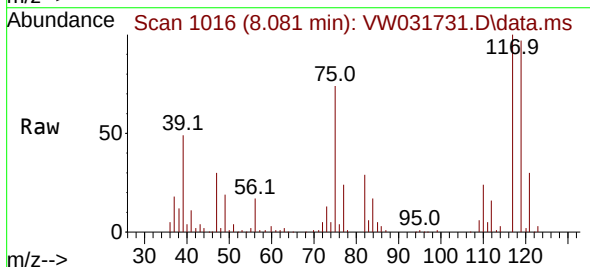
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

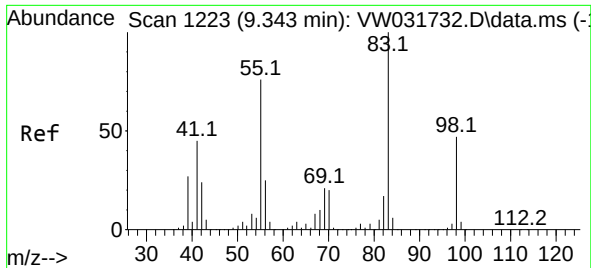
Tgt Ion: 43 Resp: 45062  
Ion Ratio Lower Upper  
43 100  
61 12.4 10.9 16.3  
70 10.9 9.2 13.8



#38  
Carbon Tetrachloride  
Concen: 20.706 ug/l  
RT: 8.081 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 117 Resp: 73482  
Ion Ratio Lower Upper  
117 100  
119 97.2 75.0 112.6  
121 29.6 24.6 37.0

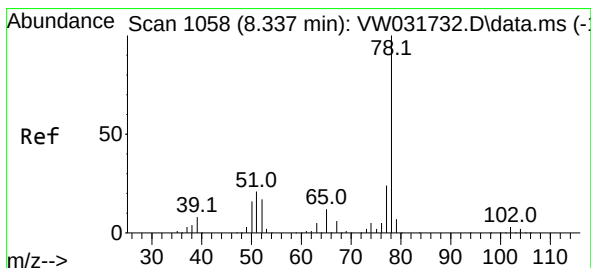
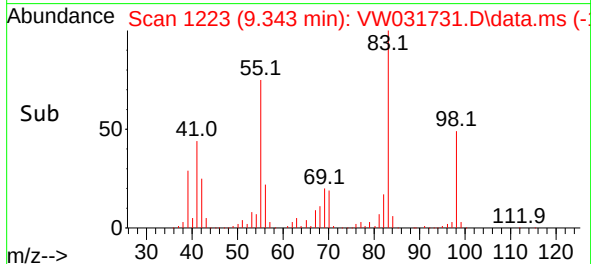
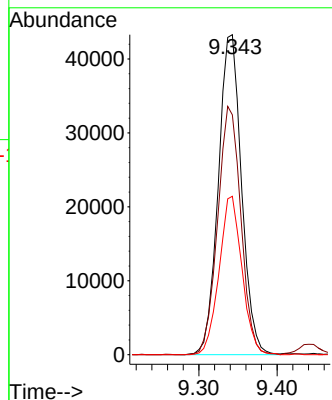
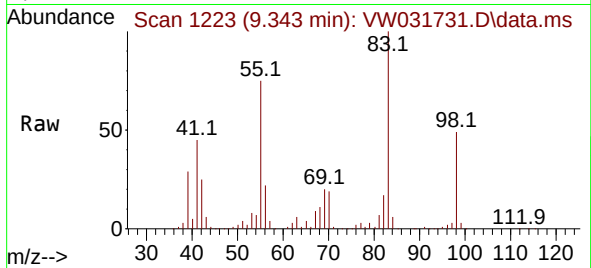




#39  
Methylcyclohexane  
Concen: 20.560 ug/l  
RT: 9.343 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

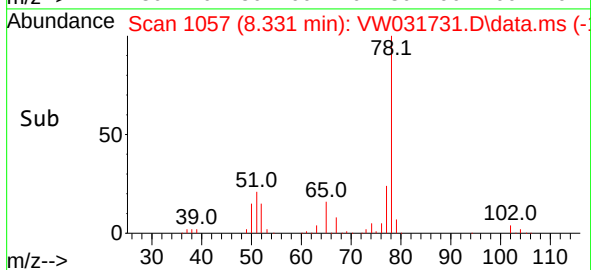
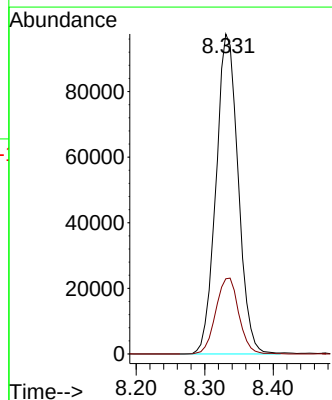
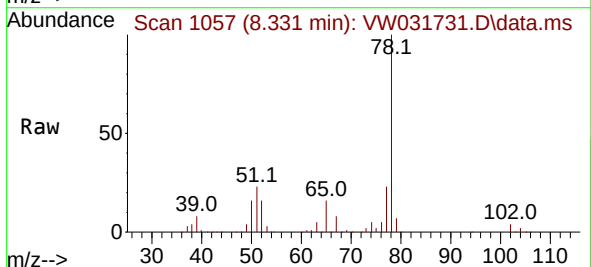
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion: 83 Resp: 89081  
Ion Ratio Lower Upper  
83 100  
55 75.0 61.0 91.4  
98 49.5 37.9 56.9

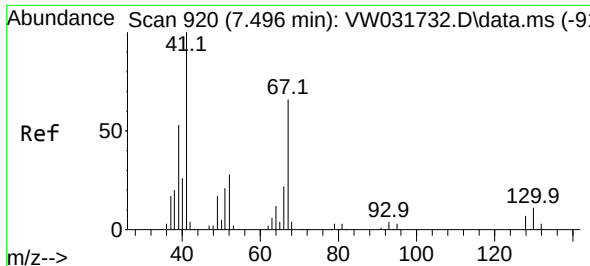


#40  
Benzene  
Concen: 21.231 ug/l  
RT: 8.331 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 78 Resp: 218756  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.2 28.8



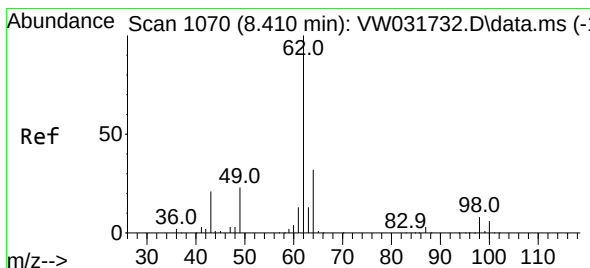
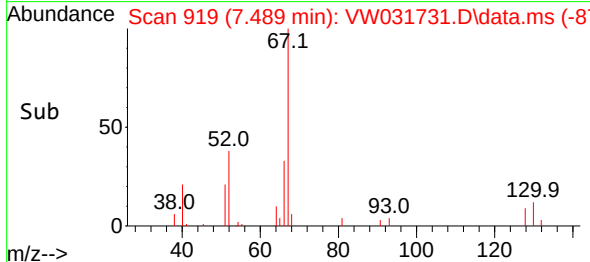
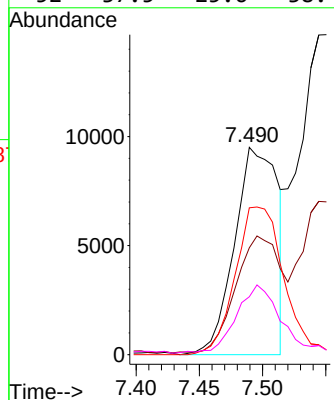
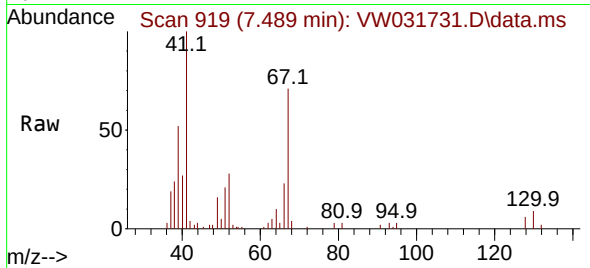




#41  
Methacrylonitrile  
Concen: 19.154 ug/l  
RT: 7.489 min Scan# 919  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

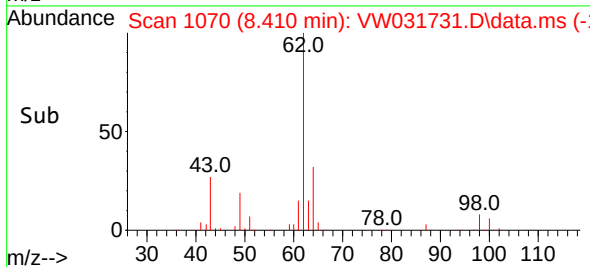
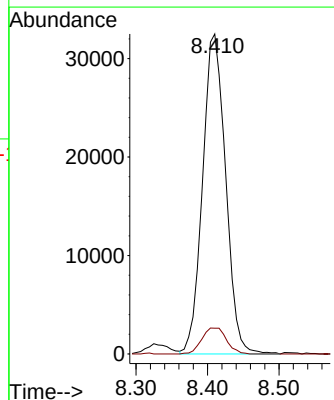
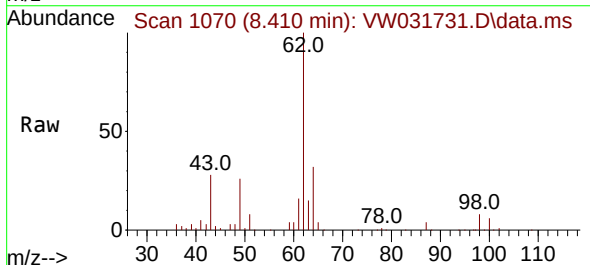
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

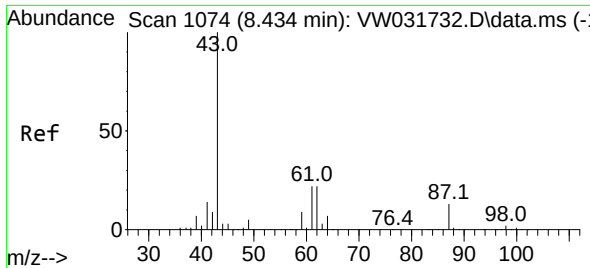
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 22541 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 59.6     | 43.2 64.8   |
| 67 80.5     | 58.1 87.1   |
| 52 37.5     | 25.6 38.4   |



#42  
1,2-Dichloroethane  
Concen: 20.910 ug/l  
RT: 8.410 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 72797 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 8.7      | 0.0 17.2    |

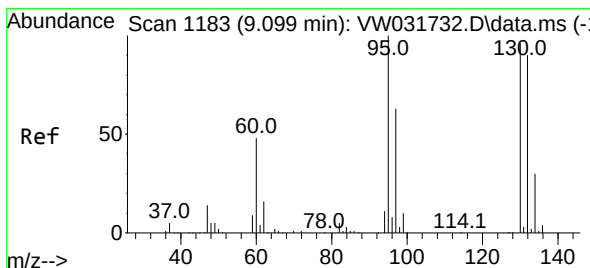
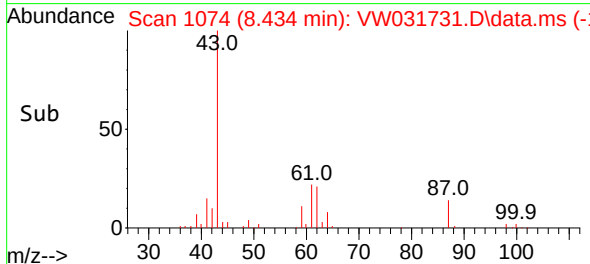
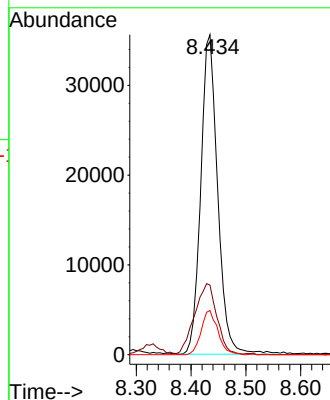
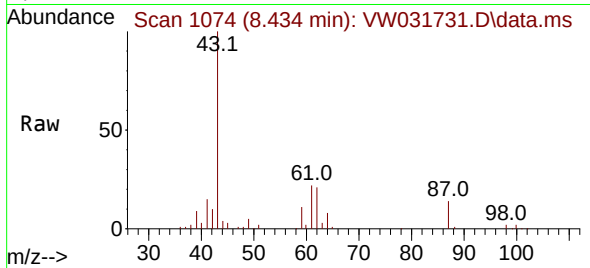




#43  
Isopropyl Acetate  
Concen: 20.101 ug/l  
RT: 8.434 min Scan# 1074  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

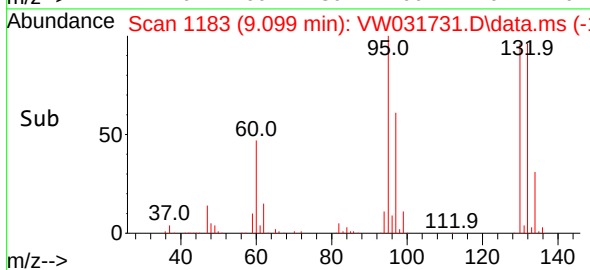
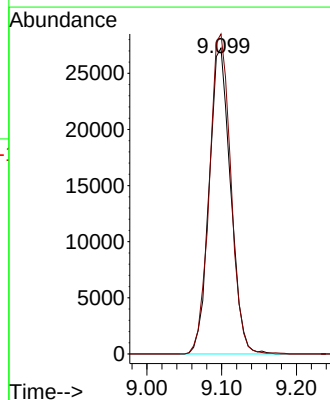
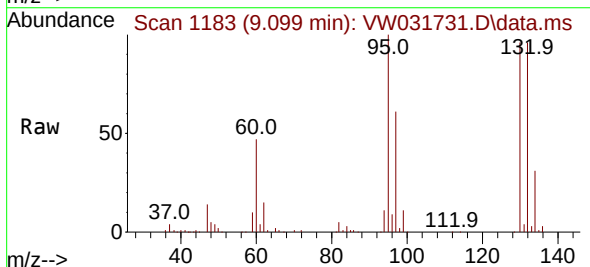
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

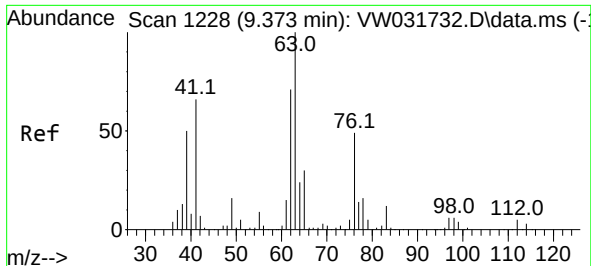
Tgt Ion: 43 Resp: 76119  
Ion Ratio Lower Upper  
43 100  
61 28.9 23.1 34.7  
87 13.7 10.8 16.2



#44  
Trichloroethene  
Concen: 21.074 ug/l  
RT: 9.099 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:130 Resp: 54194  
Ion Ratio Lower Upper  
130 100  
95 104.6 0.0 208.6

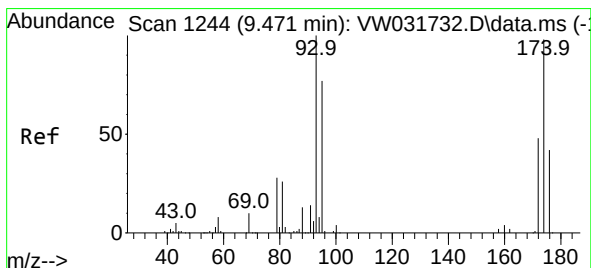
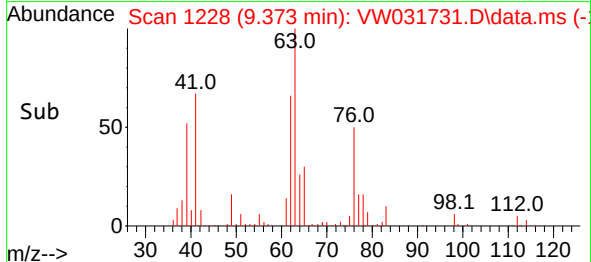
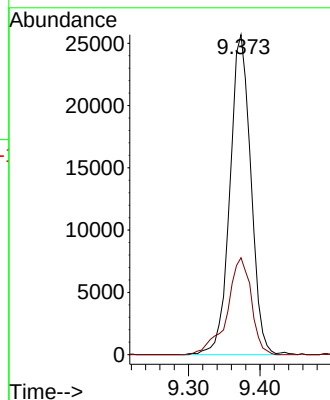
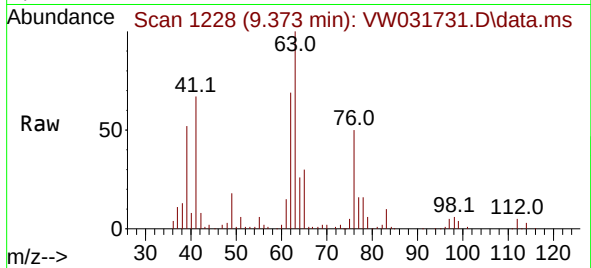




#45  
1,2-Dichloropropane  
Concen: 20.939 ug/l  
RT: 9.373 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

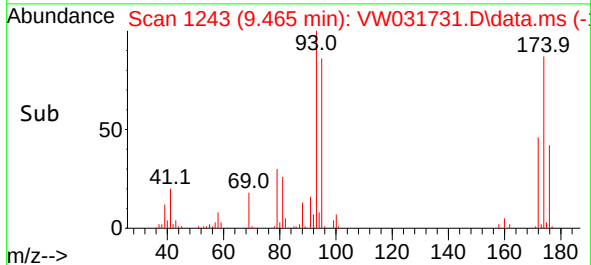
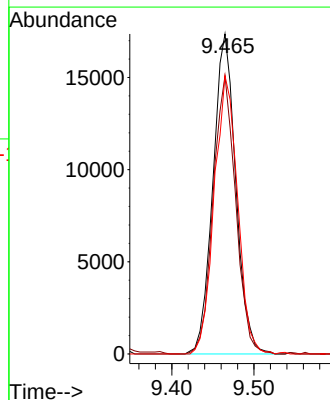
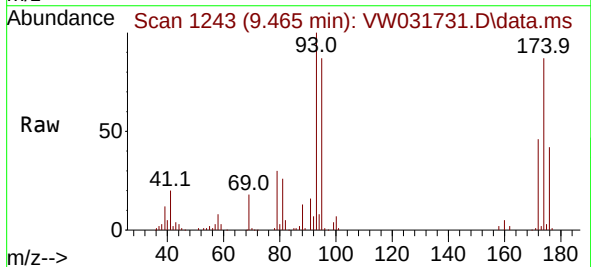
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

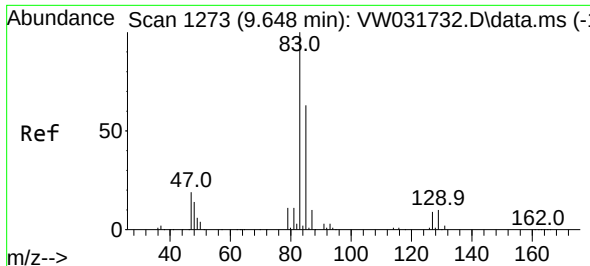
Tgt Ion: 63 Resp: 52141  
Ion Ratio Lower Upper  
63 100  
65 30.3 24.2 36.4



#46  
Dibromomethane  
Concen: 20.817 ug/l  
RT: 9.465 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 93 Resp: 33467  
Ion Ratio Lower Upper  
93 100  
95 86.0 67.0 100.4  
174 88.9 71.7 107.5

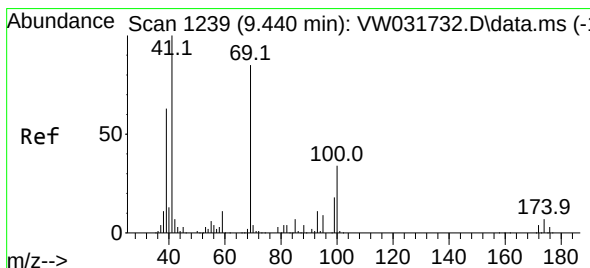
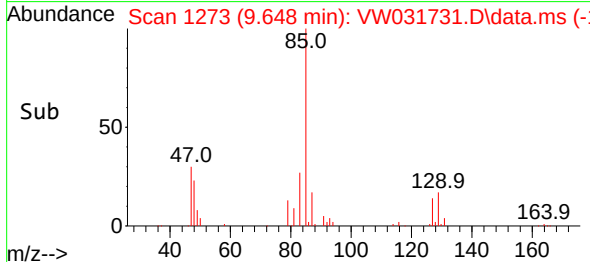
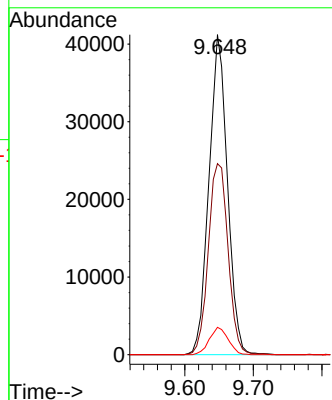
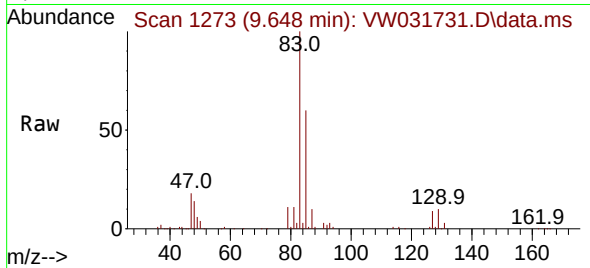




#47  
Bromodichloromethane  
Concen: 20.490 ug/l  
RT: 9.648 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

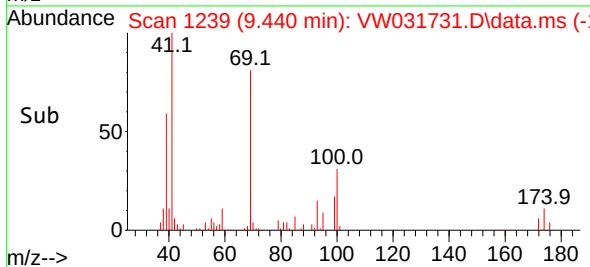
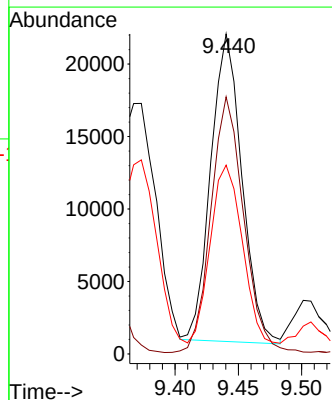
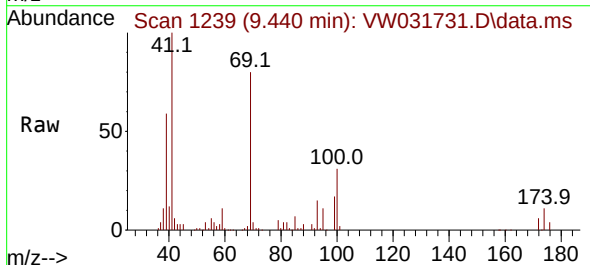
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

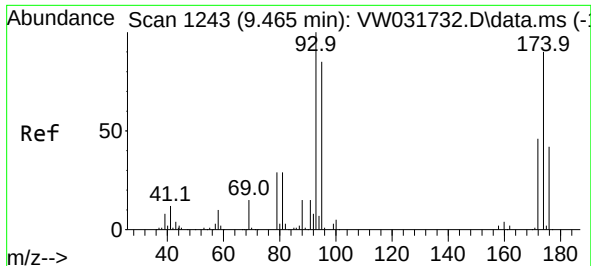
Tgt Ion: 83 Resp: 77246  
Ion Ratio Lower Upper  
83 100  
85 59.7 50.8 76.2  
127 8.5 6.8 10.2



#48  
Methyl methacrylate  
Concen: 19.484 ug/l  
RT: 9.440 min Scan# 1239  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 41 Resp: 36279  
Ion Ratio Lower Upper  
41 100  
69 87.9 71.6 107.4  
39 60.7 49.5 74.3





#49

1,4-Dioxane

Concen: 381.413 ug/l

RT: 9.465 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

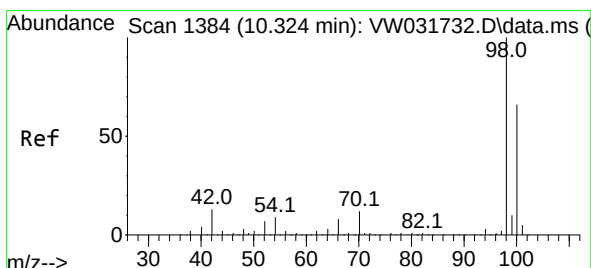
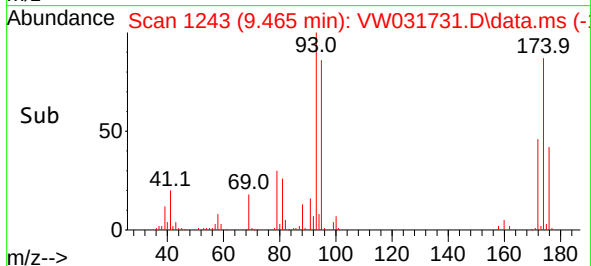
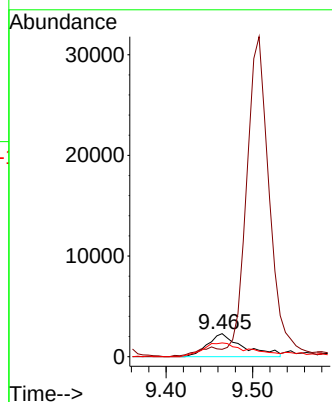
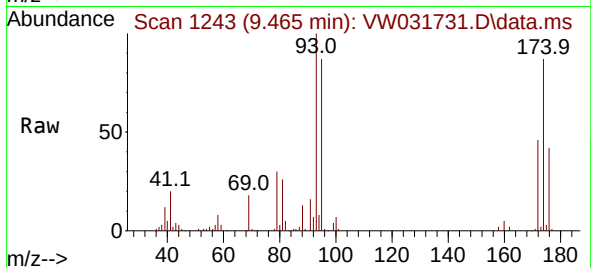
Tgt Ion: 88 Resp: 6528

Ion Ratio Lower Upper

88 100

43 29.5 0.0 0.0#

58 76.8 58.3 87.5



#50

Toluene-d8

Concen: 21.241 ug/l

RT: 10.324 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031731.D

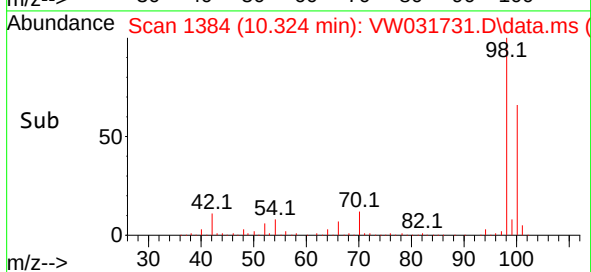
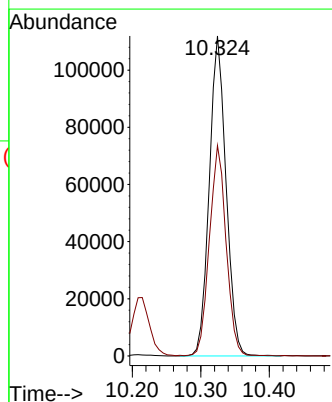
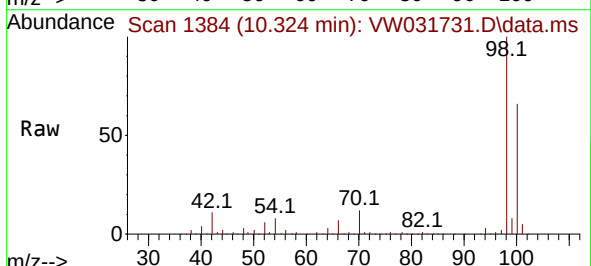
Acq: 30 Jun 2025 10:58

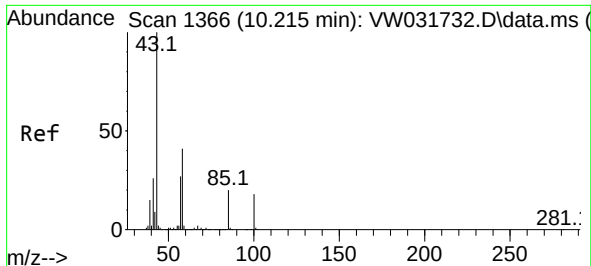
Tgt Ion: 98 Resp: 190235

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4

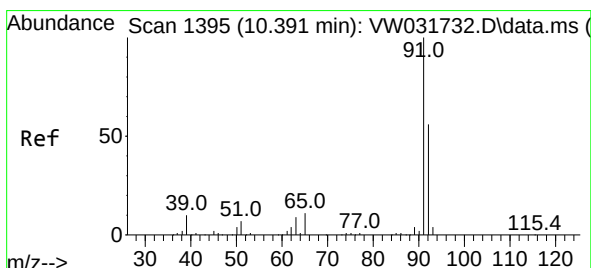
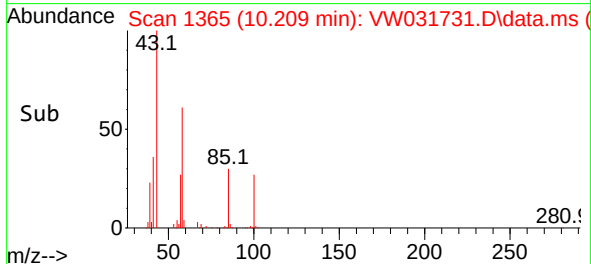
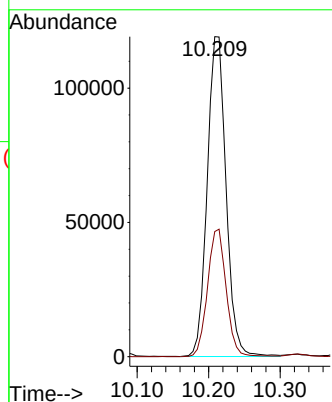
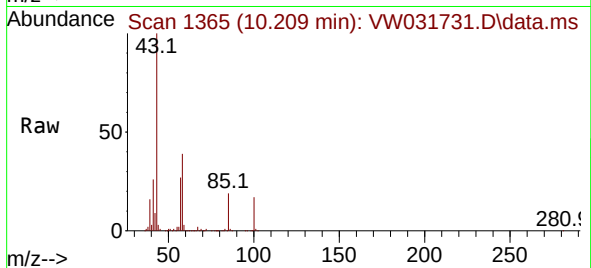




#51  
4-Methyl-2-Pentanone  
Concen: 100.078 ug/l  
RT: 10.209 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

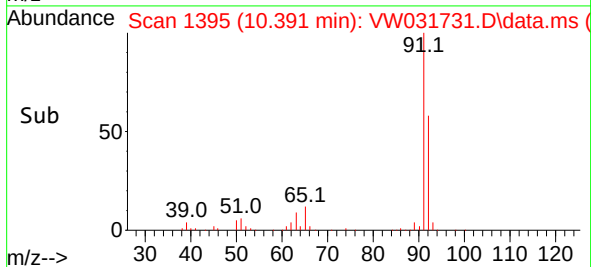
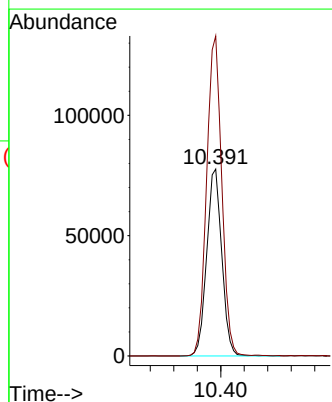
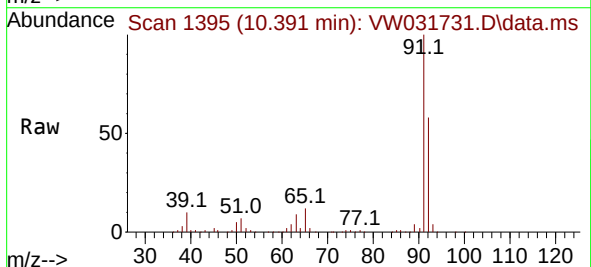
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

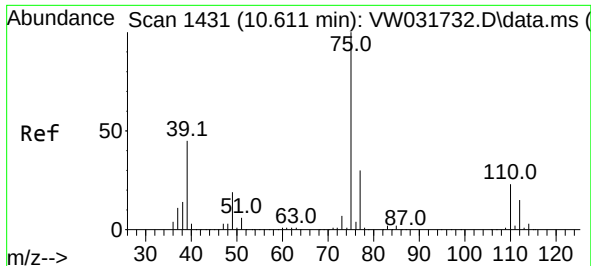
Tgt Ion: 43 Resp: 217881  
Ion Ratio Lower Upper  
43 100  
58 39.5 32.2 48.2



#52  
Toluene  
Concen: 20.978 ug/l  
RT: 10.391 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 92 Resp: 138387  
Ion Ratio Lower Upper  
92 100  
91 171.4 139.5 209.3

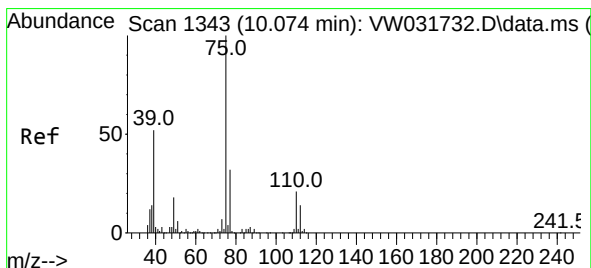
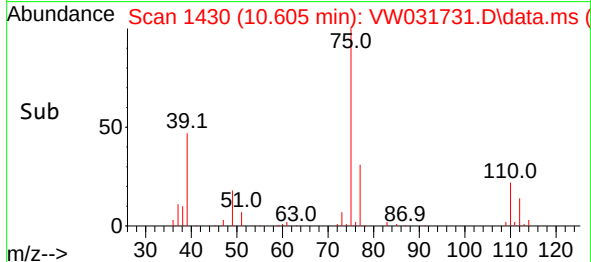
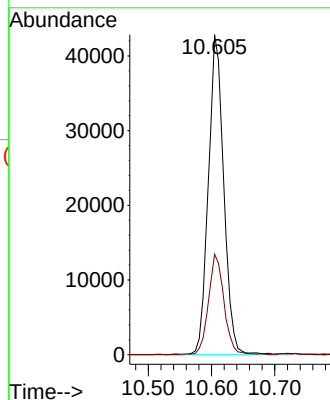
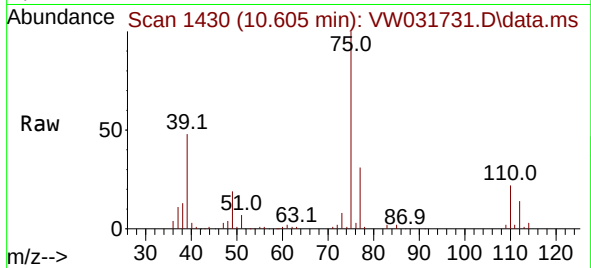




#53  
 t-1,3-Dichloropropene  
 Concen: 20.496 ug/l  
 RT: 10.605 min Scan# 1430  
 Delta R.T. -0.006 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

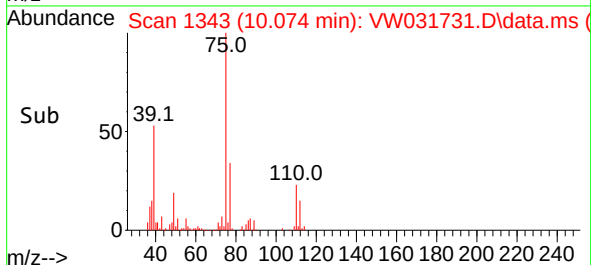
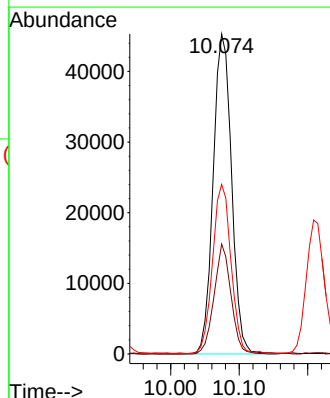
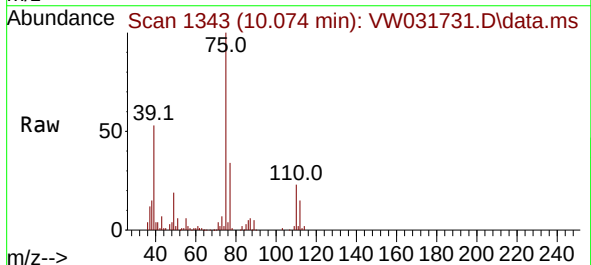
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTDIC020

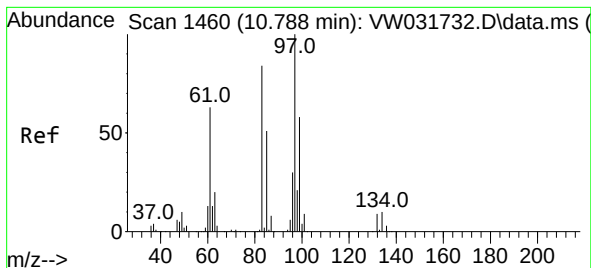
Tgt Ion: 75 Resp: 72498  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 24.3 36.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.019 ug/l  
 RT: 10.074 min Scan# 1343  
 Delta R.T. 0.000 min  
 Lab File: VW031731.D  
 Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 84285  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 25.4 38.2  
 39 52.7 41.8 62.6

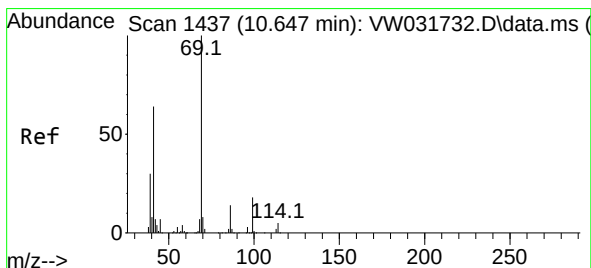
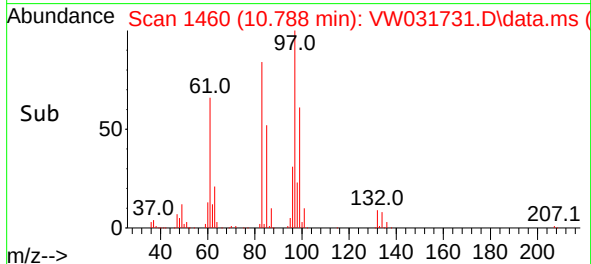
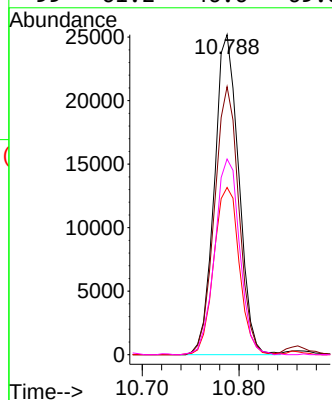
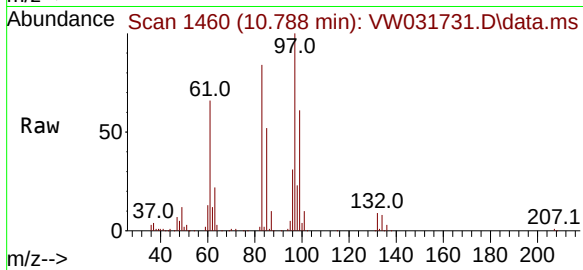




#55  
1,1,2-Trichloroethane  
Concen: 20.957 ug/l  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

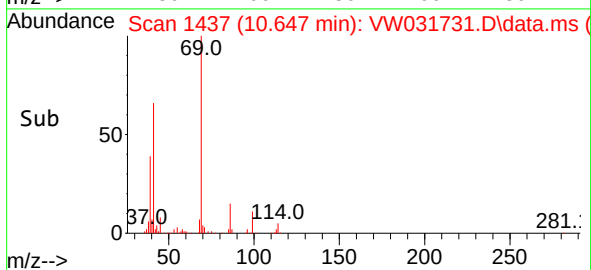
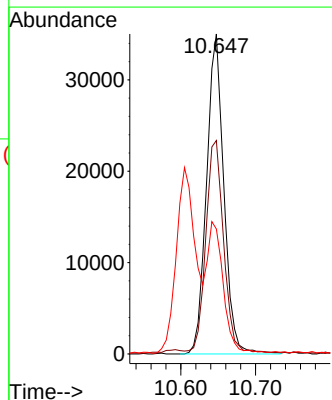
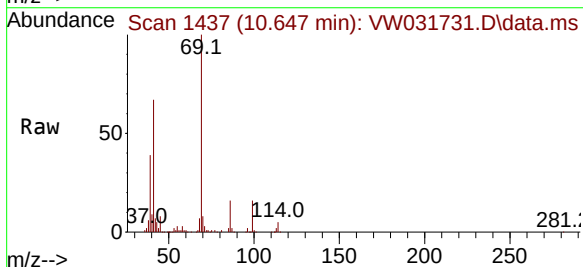
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 44134 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 83.7     | 66.9 100.3  |
| 85 52.2     | 41.1 61.7   |
| 99 61.2     | 46.6 69.8   |

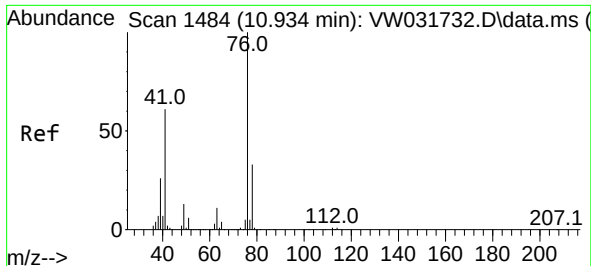


#56  
Ethyl methacrylate  
Concen: 19.681 ug/l  
RT: 10.647 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 56229 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 68.2     | 53.3 79.9   |
| 39 37.5     | 30.2 45.2   |







#57

1,3-Dichloropropane

Concen: 20.654 ug/l

RT: 10.928 min Scan# 1484

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

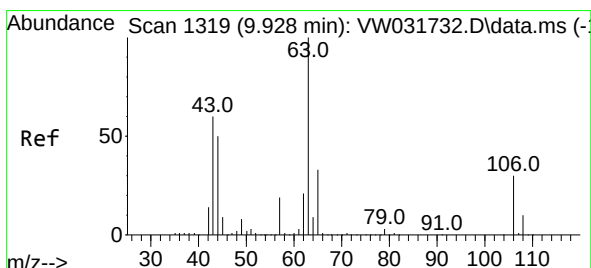
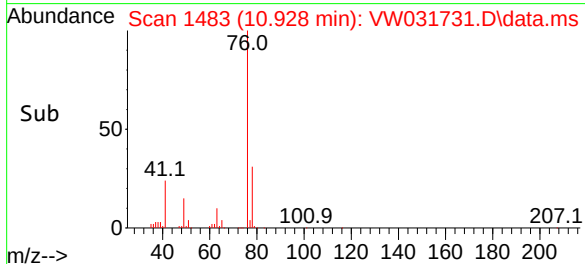
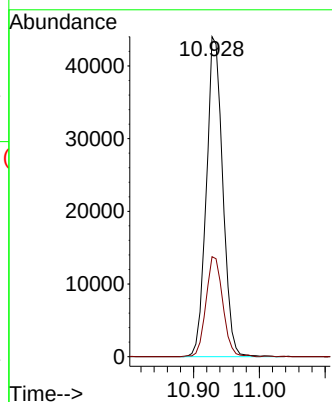
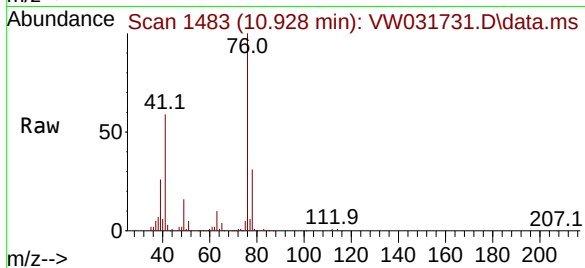
VSTDIC020

Tgt Ion: 76 Resp: 76367

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 103.330 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031731.D

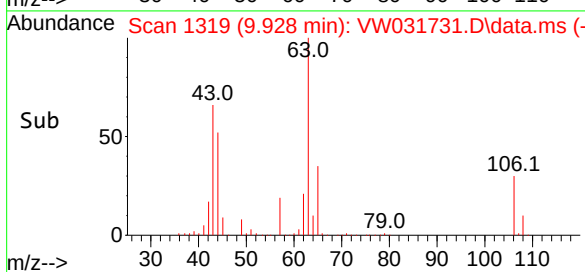
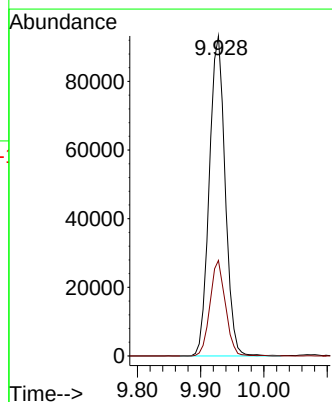
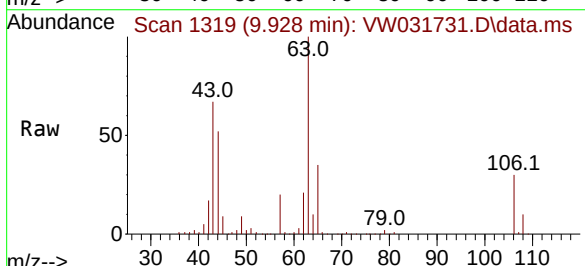
Acq: 30 Jun 2025 10:58

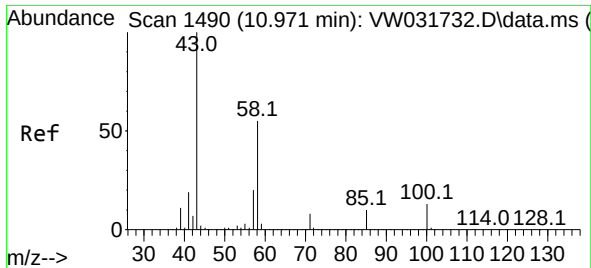
Tgt Ion: 63 Resp: 162561

Ion Ratio Lower Upper

63 100

106 29.0 24.1 36.1

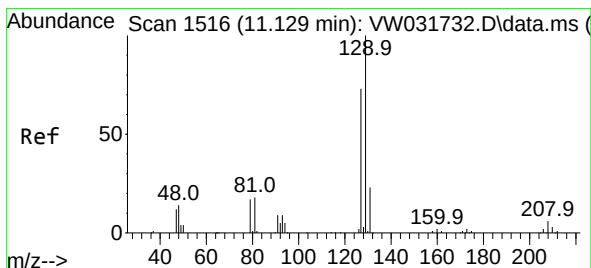
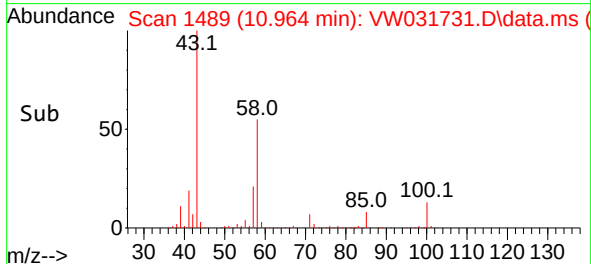
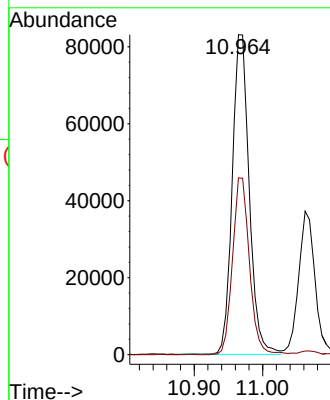
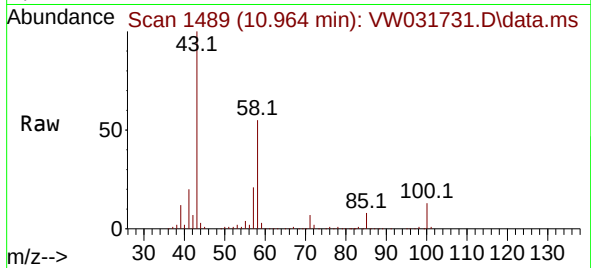




#59  
2-Hexanone  
Concen: 97.256 ug/l  
RT: 10.964 min Scan# 1490  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

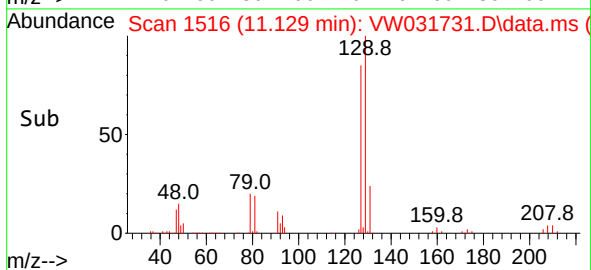
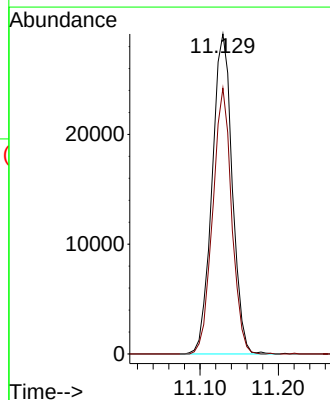
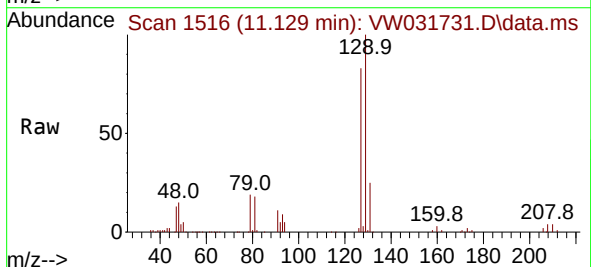
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

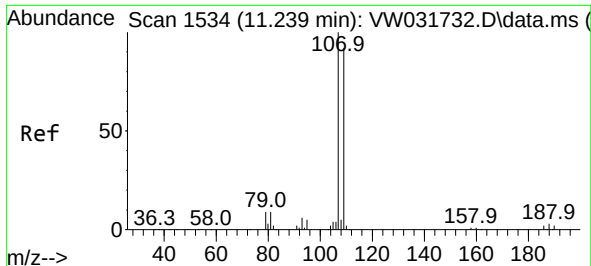
Tgt Ion: 43 Resp: 143482  
Ion Ratio Lower Upper  
43 100  
58 55.1 27.9 83.6



#60  
Dibromochloromethane  
Concen: 20.699 ug/l  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:129 Resp: 52126  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.0 114.1

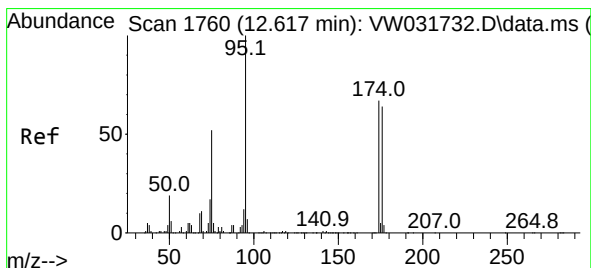
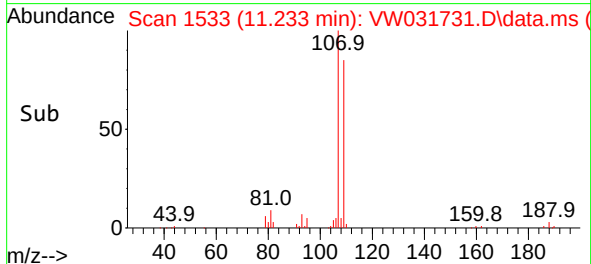
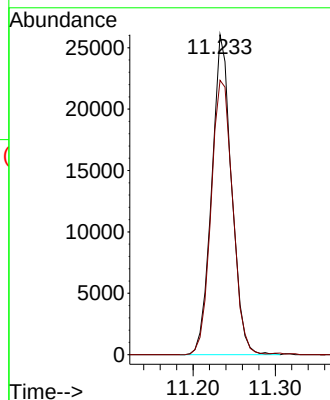
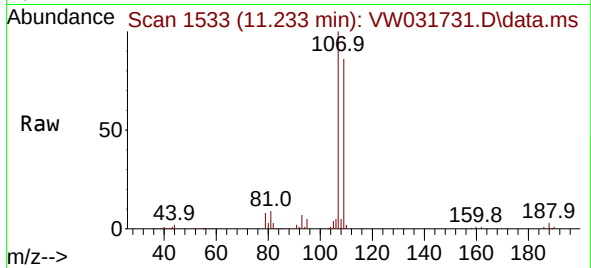




#61  
1,2-Dibromoethane  
Concen: 20.729 ug/l  
RT: 11.233 min Scan# 1533  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

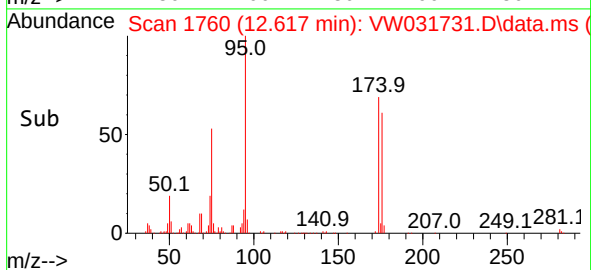
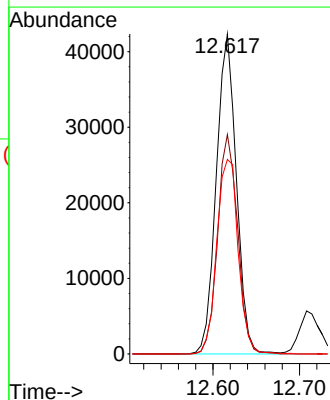
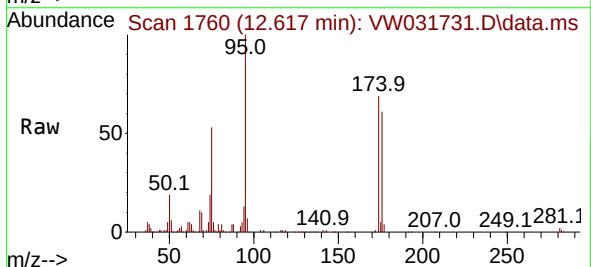
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

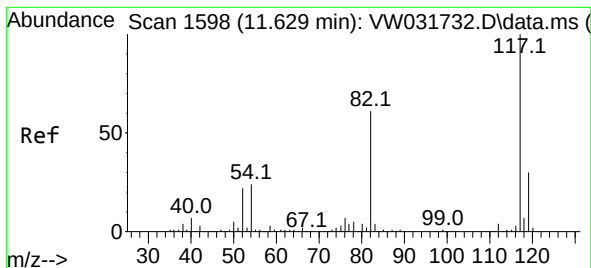
Tgt Ion:107 Resp: 43701  
Ion Ratio Lower Upper  
107 100  
109 93.2 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 20.714 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 95 Resp: 68269  
Ion Ratio Lower Upper  
95 100  
174 68.0 0.0 133.8  
176 64.9 0.0 126.0

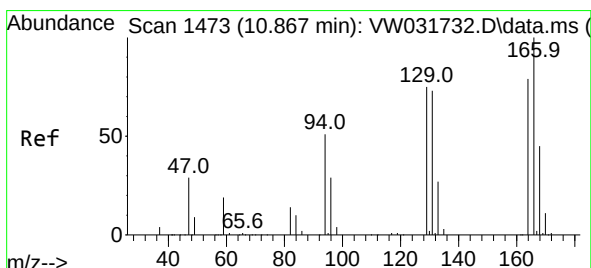
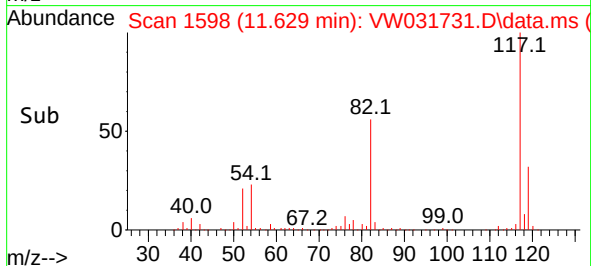
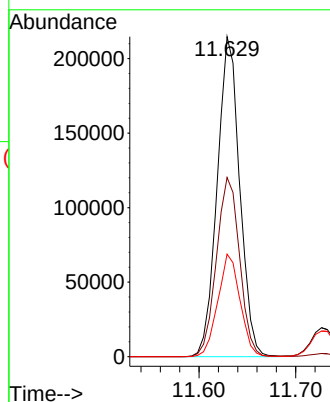
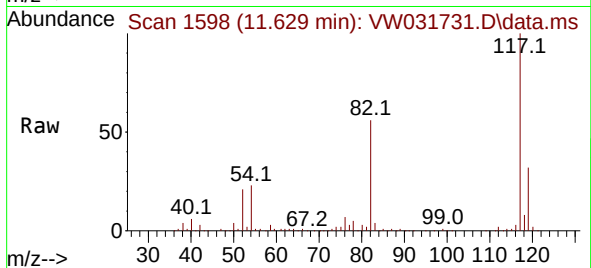




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

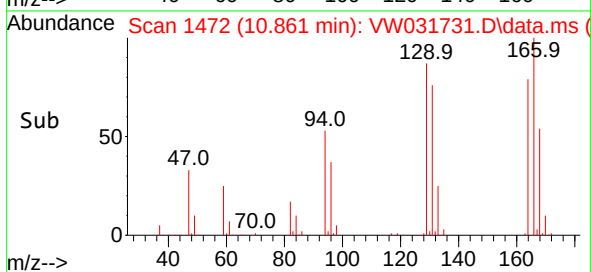
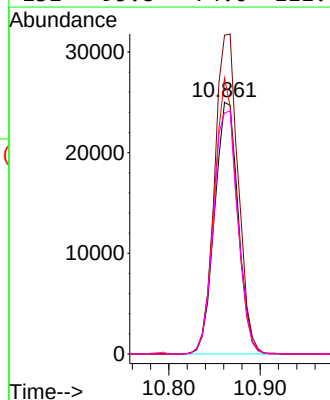
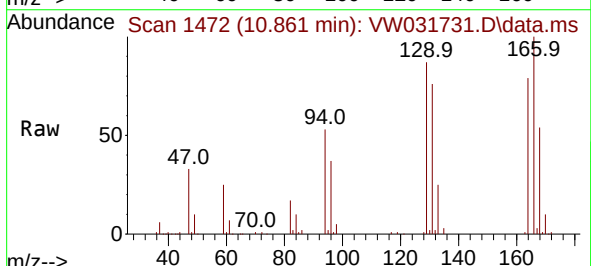
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

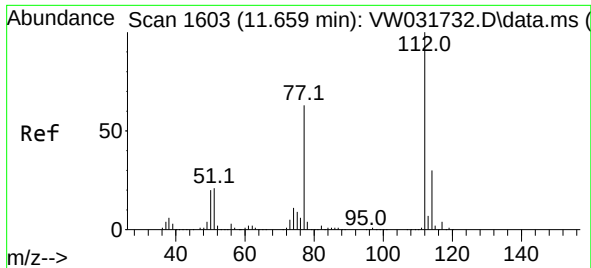
Tgt Ion:117 Resp: 347024  
Ion Ratio Lower Upper  
117 100  
82 56.0 48.6 72.8  
119 32.0 23.9 35.9



#64  
Tetrachloroethene  
Concen: 19.810 ug/l  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:164 Resp: 44967  
Ion Ratio Lower Upper  
164 100  
166 126.6 100.7 151.1  
129 109.7 75.4 113.0  
131 95.8 74.0 111.0

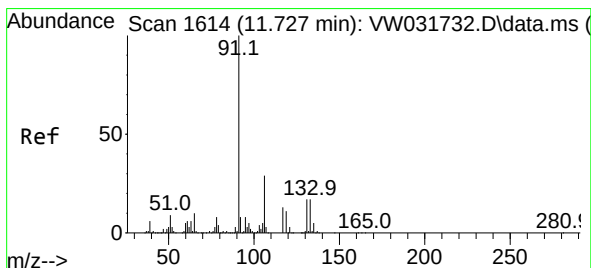
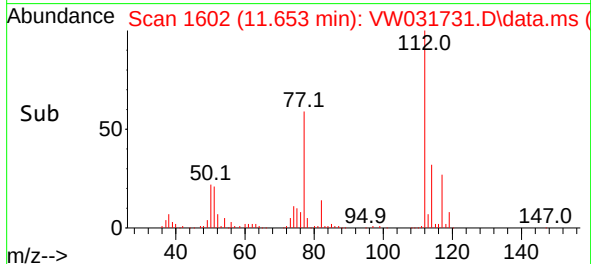
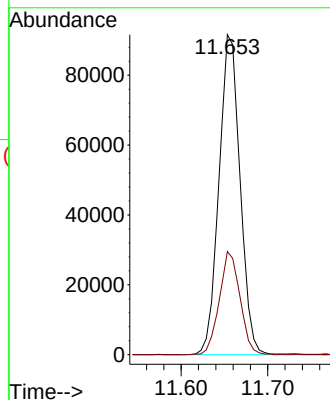
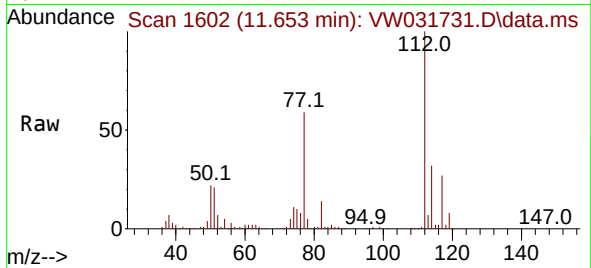




#65  
Chlorobenzene  
Concen: 20.224 ug/l  
RT: 11.653 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

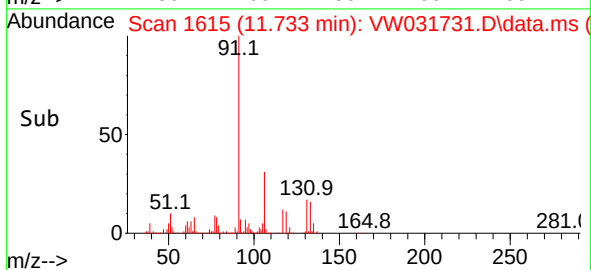
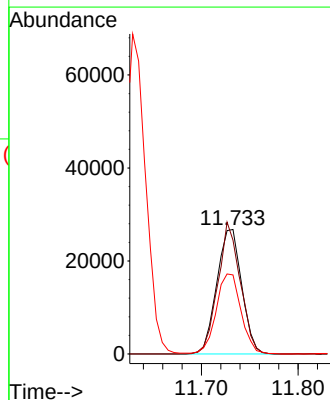
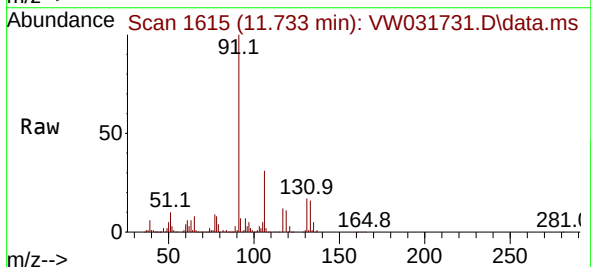
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

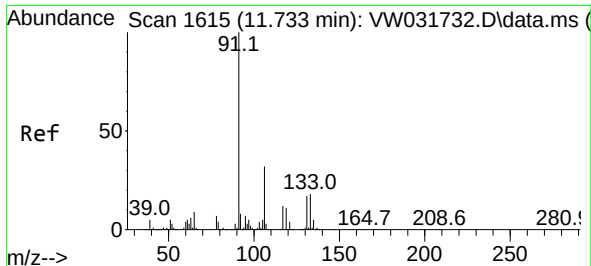
Tgt Ion:112 Resp: 154847  
Ion Ratio Lower Upper  
112 100  
114 32.2 23.8 35.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.641 ug/l  
RT: 11.733 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:131 Resp: 47923  
Ion Ratio Lower Upper  
131 100  
133 95.2 48.5 145.6  
119 64.2 32.5 97.5





#67

Ethyl Benzene

Concen: 19.975 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

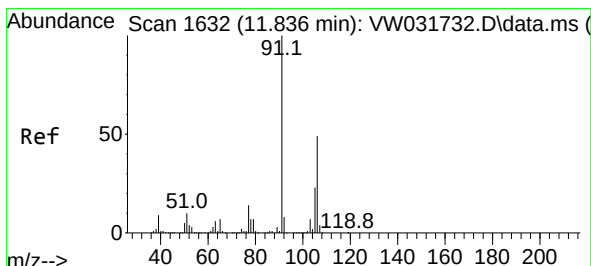
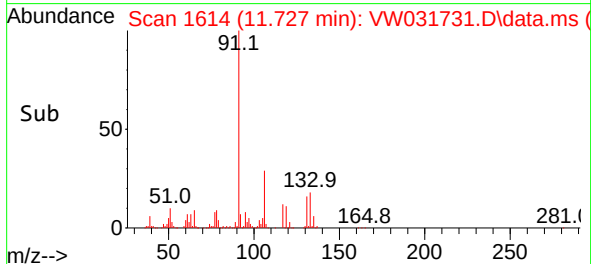
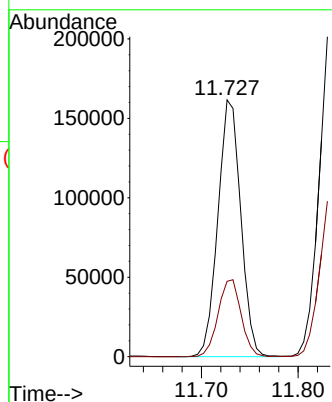
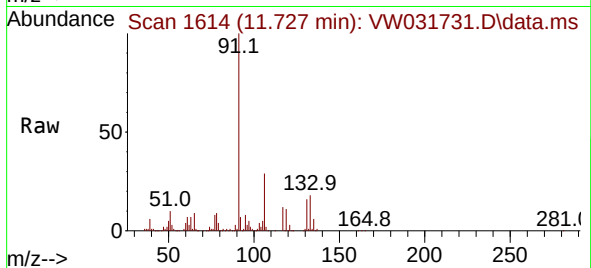
VSTDIC020

Tgt Ion: 91 Resp: 265199

Ion Ratio Lower Upper

91 100

106 29.3 25.4 38.2



#68

m/p-Xylenes

Concen: 40.829 ug/l

RT: 11.836 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VW031731.D

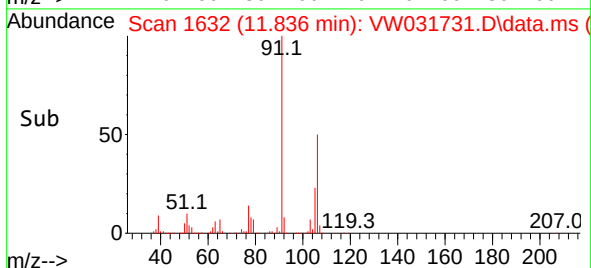
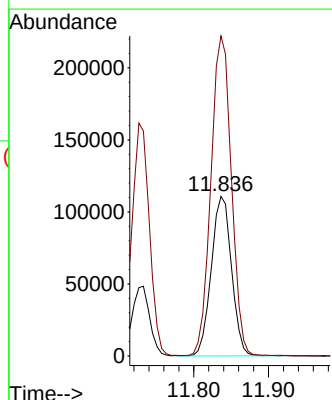
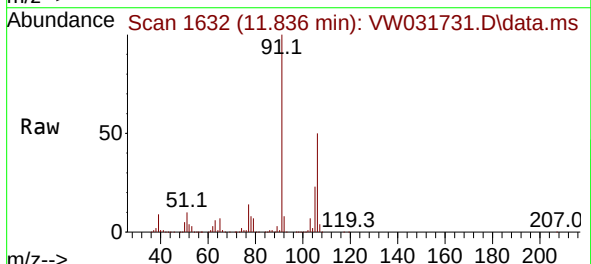
Acq: 30 Jun 2025 10:58

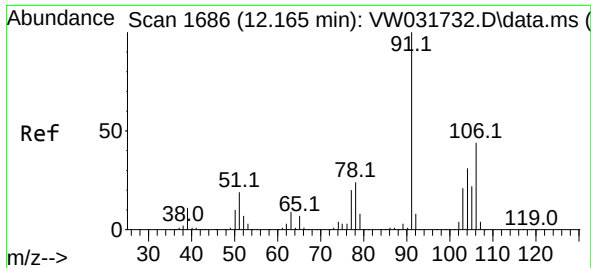
Tgt Ion:106 Resp: 208380

Ion Ratio Lower Upper

106 100

91 203.4 166.4 249.6

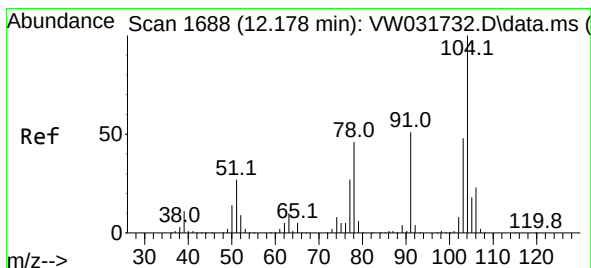
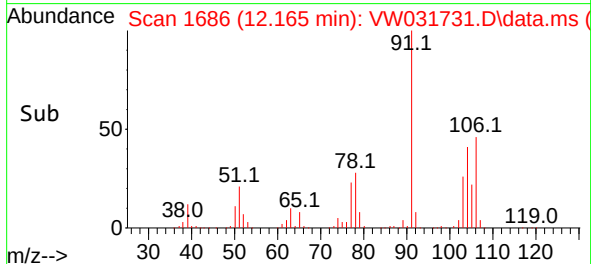
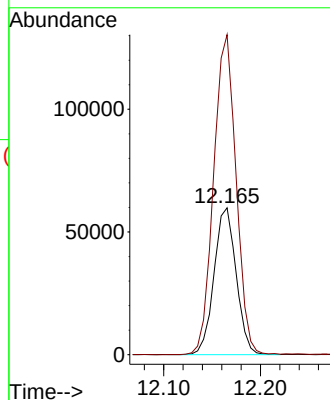
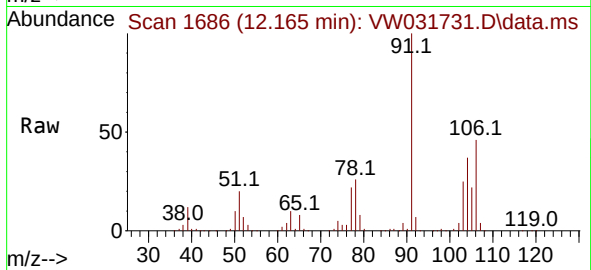




#69  
o-Xylene  
Concen: 20.126 ug/l  
RT: 12.165 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

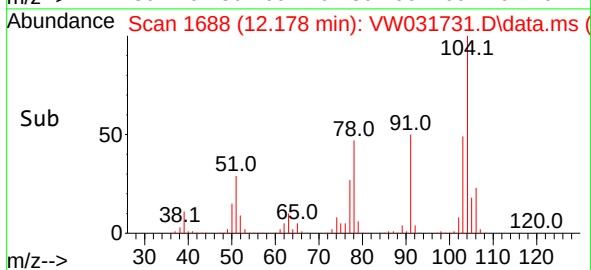
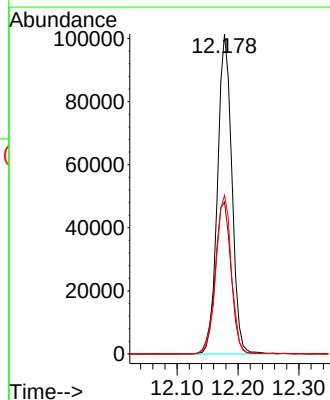
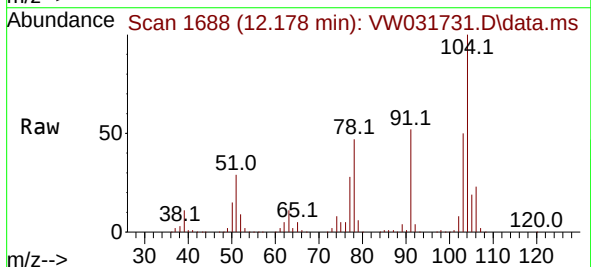
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

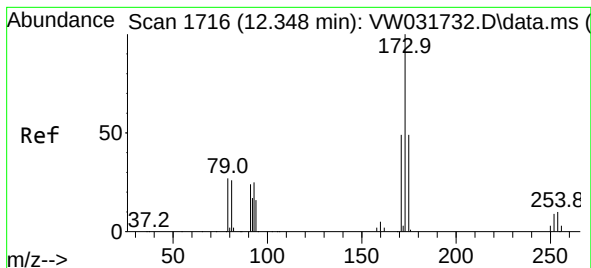
Tgt Ion:106 Resp: 95105  
Ion Ratio Lower Upper  
106 100  
91 221.6 111.5 334.4



#70  
Styrene  
Concen: 20.307 ug/l  
RT: 12.178 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:104 Resp: 165896  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.1 63.1  
103 53.6 43.0 64.6





#71

Bromoform

Concen: 19.330 ug/l

RT: 12.348 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC020

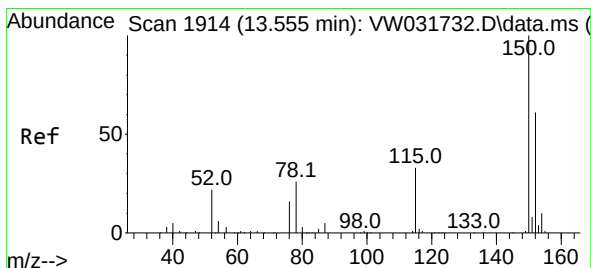
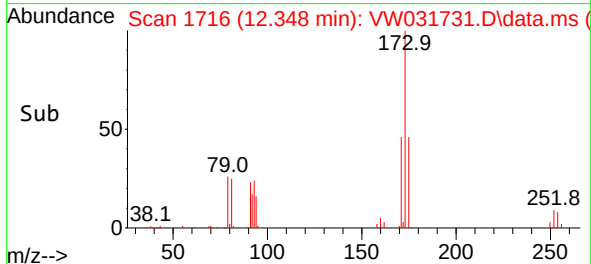
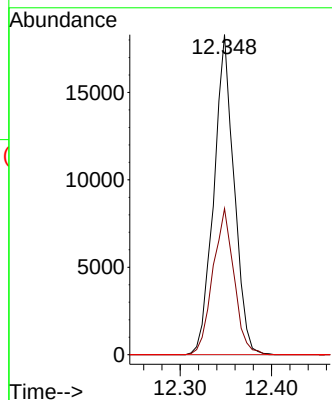
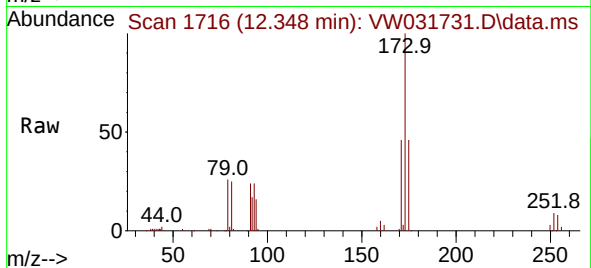
Tgt Ion:173 Resp: 28135

Ion Ratio Lower Upper

173 100

175 47.9 24.0 72.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

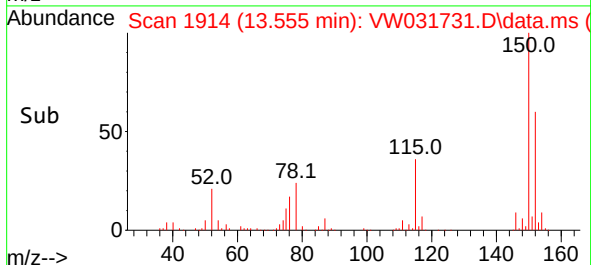
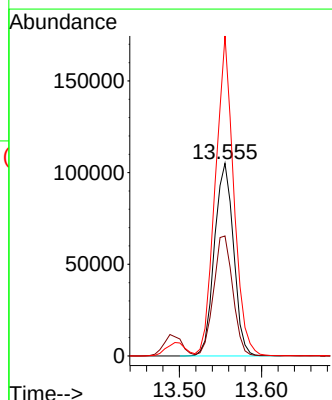
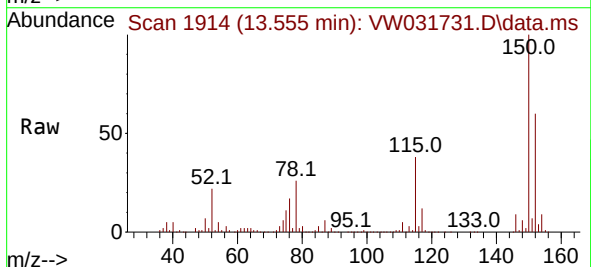
Tgt Ion:152 Resp: 169543

Ion Ratio Lower Upper

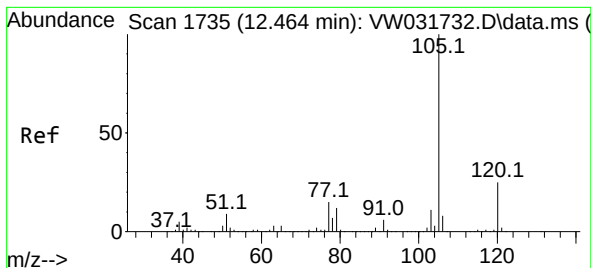
152 100

115 62.8 31.9 95.7

150 159.7 0.0 356.4







#73

Isopropylbenzene

Concen: 19.368 ug/l

RT: 12.464 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

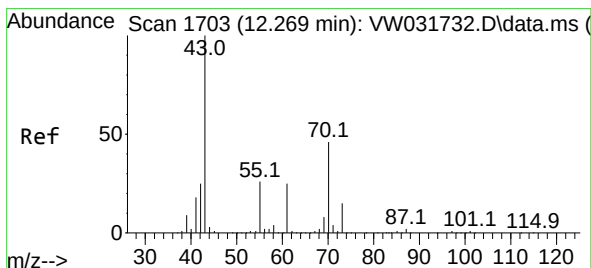
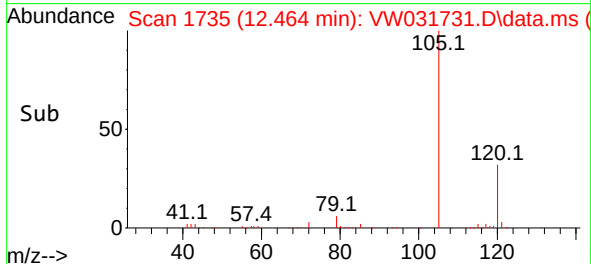
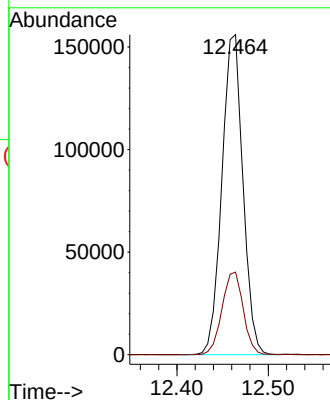
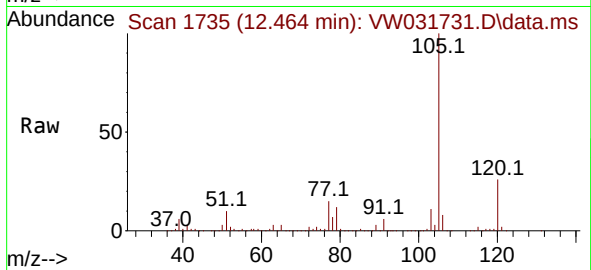
VSTDIC020

Tgt Ion:105 Resp: 249772

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#74

N-ethyl acetate

Concen: 18.584 ug/l

RT: 12.269 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion: 43 Resp: 64599

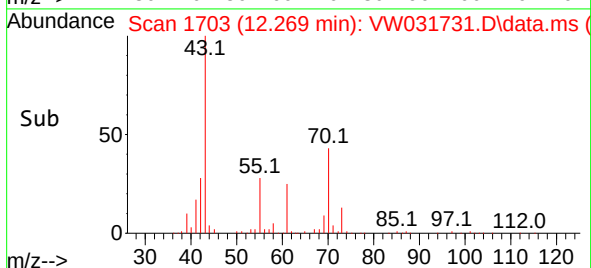
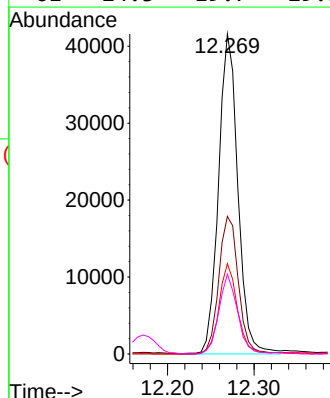
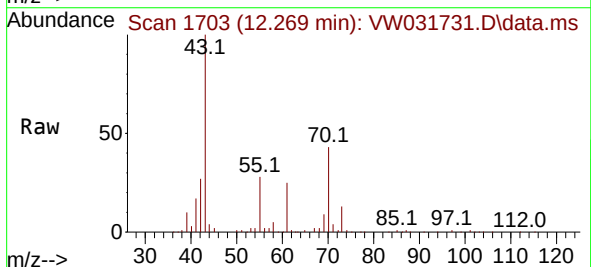
Ion Ratio Lower Upper

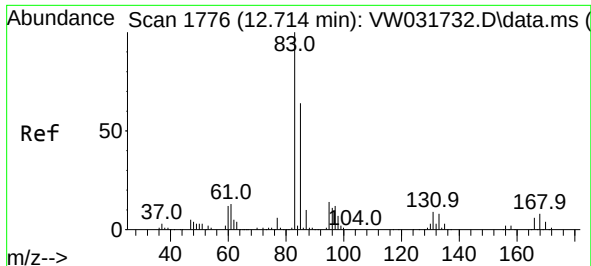
43 100

70 43.9 36.0 54.0

55 27.1 20.8 31.2

61 24.3 19.7 29.5

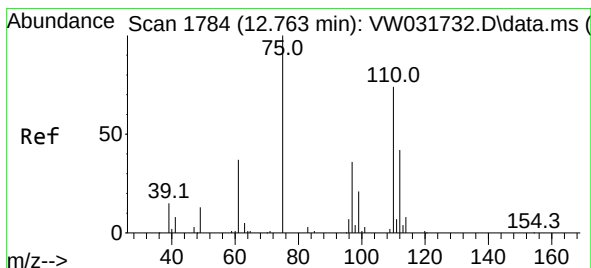
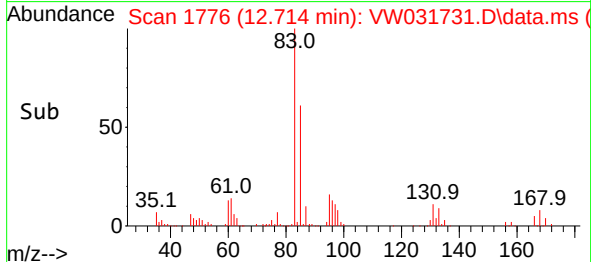
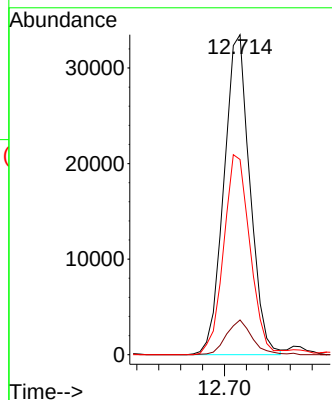
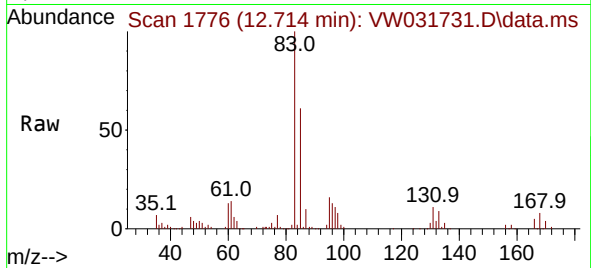




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.230 ug/l  
RT: 12.714 min Scan# 1776  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

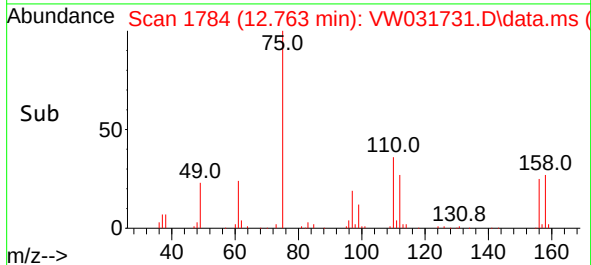
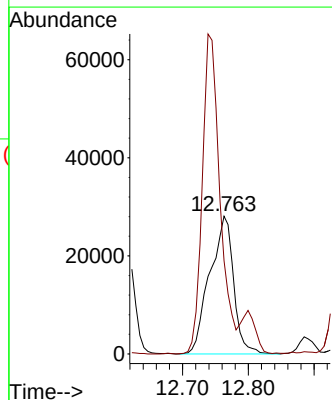
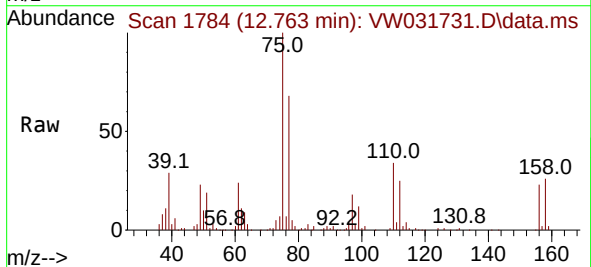
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

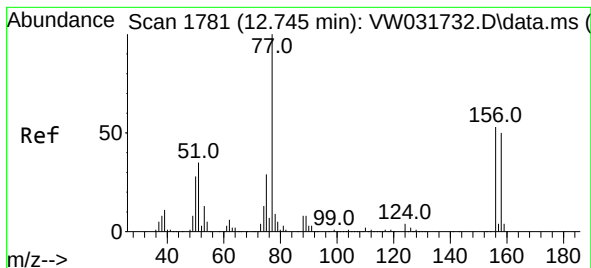
Tgt Ion: 83 Resp: 55059  
Ion Ratio Lower Upper  
83 100  
131 10.8 5.3 16.1  
85 63.7 32.0 96.2



#76  
1,2,3-Trichloropropane  
Concen: 32.350 ug/l  
RT: 12.763 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 75 Resp: 70877  
Ion Ratio Lower Upper  
75 100  
77 0.0 141.2 423.6#

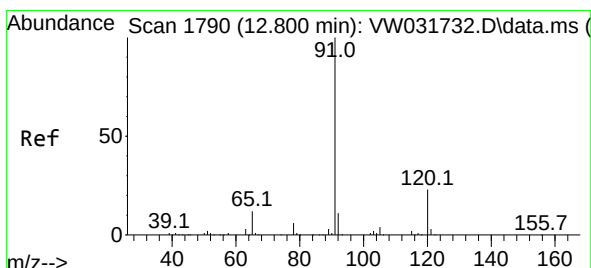
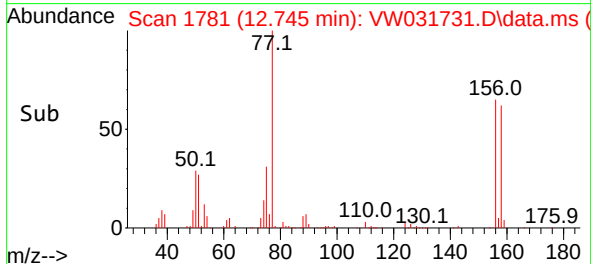
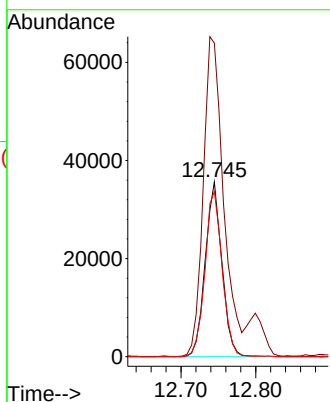
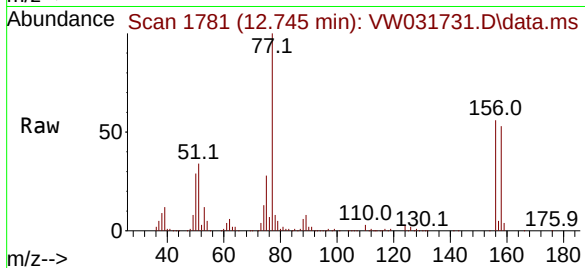




#77  
Bromobenzene  
Concen: 19.235 ug/l  
RT: 12.745 min Scan# 1781  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

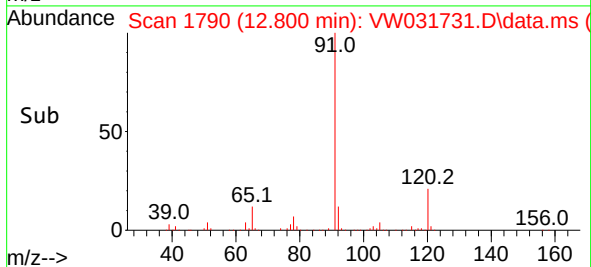
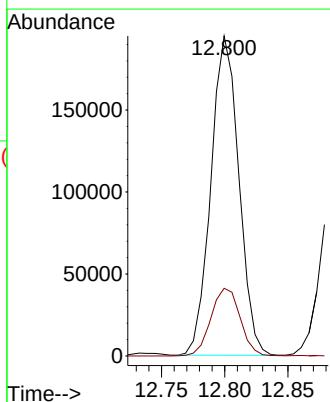
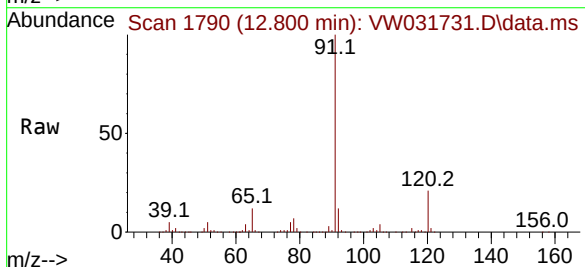
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

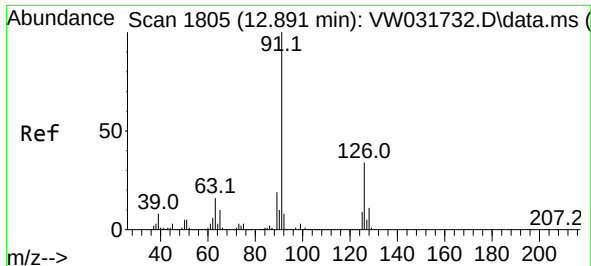
Tgt Ion:156 Resp: 55325  
Ion Ratio Lower Upper  
156 100  
77 220.9 117.9 353.7  
158 97.4 52.6 157.8



#78  
n-propylbenzene  
Concen: 19.402 ug/l  
RT: 12.800 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion: 91 Resp: 299620  
Ion Ratio Lower Upper  
91 100  
120 22.1 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.845 ug/l

RT: 12.885 min Scan# 1804

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

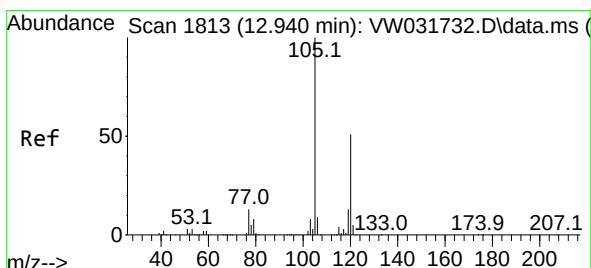
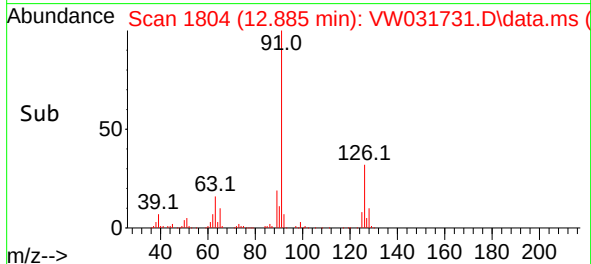
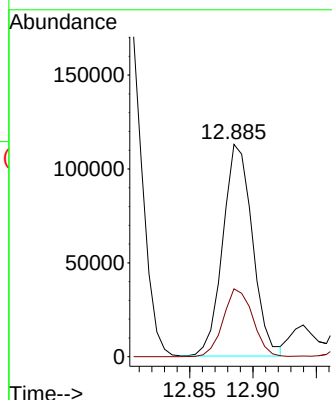
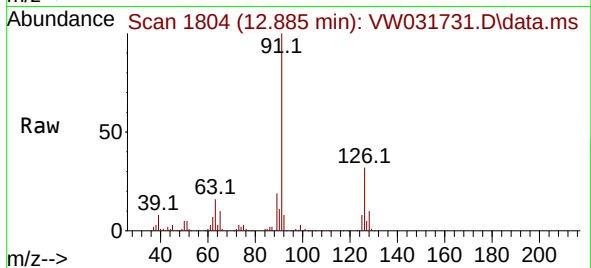
VSTDIC020

Tgt Ion: 91 Resp: 184544

Ion Ratio Lower Upper

91 100

126 31.9 15.8 47.4



#80

1,3,5-Trimethylbenzene

Concen: 19.828 ug/l

RT: 12.940 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VW031731.D

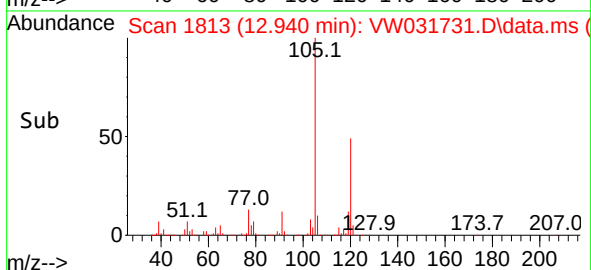
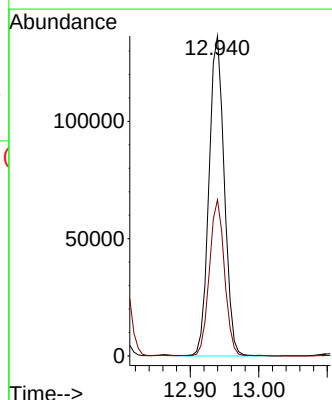
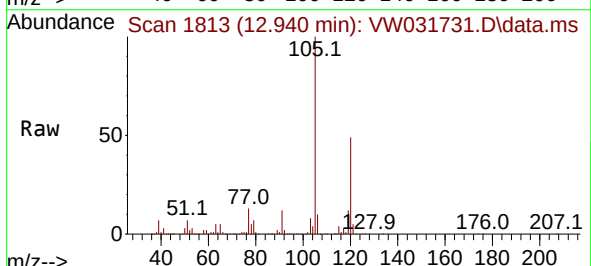
Acq: 30 Jun 2025 10:58

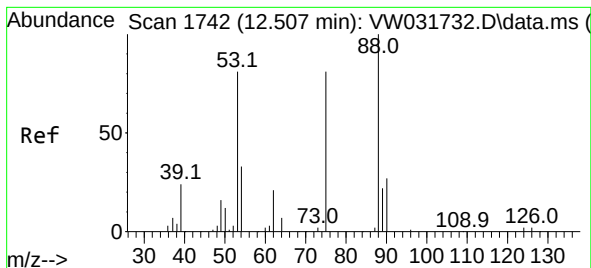
Tgt Ion: 105 Resp: 211664

Ion Ratio Lower Upper

105 100

120 48.4 23.8 71.2

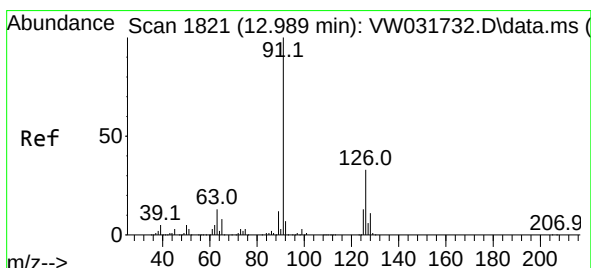
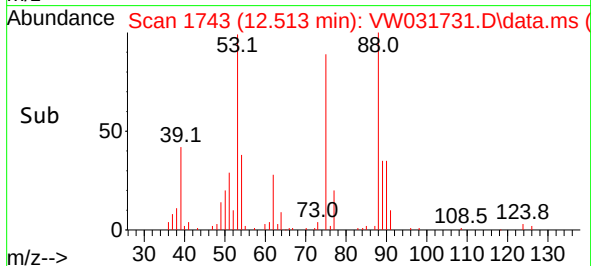
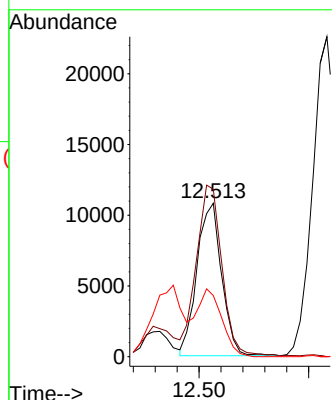
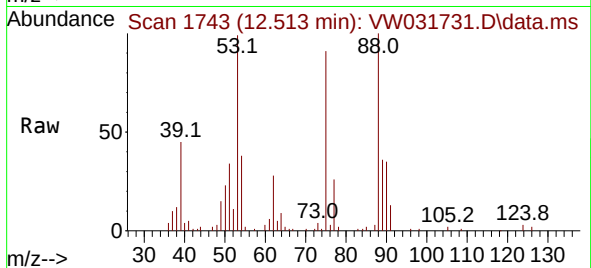




#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.978 ug/l  
RT: 12.513 min Scan# 1743  
Delta R.T. 0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

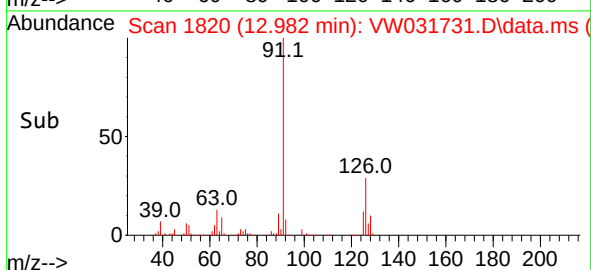
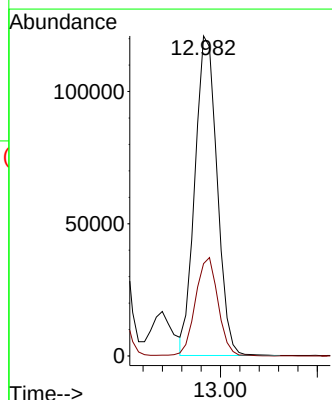
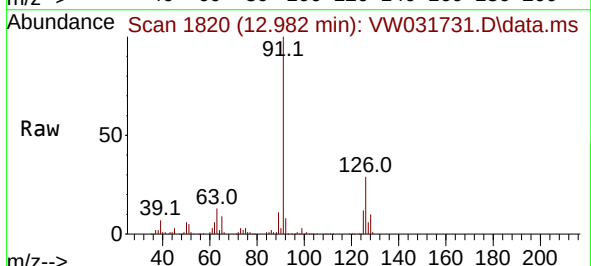
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

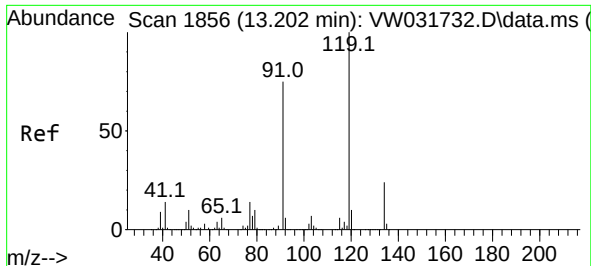
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 16911 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 115.7 | 83.5  | 125.3 |
| 89       | 46.1  | 38.3  | 57.5  |



#82  
4-Chlorotoluene  
Concen: 19.707 ug/l  
RT: 12.982 min Scan# 1820  
Delta R.T. -0.006 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 192402 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 31.6  | 16.0  | 47.9   |

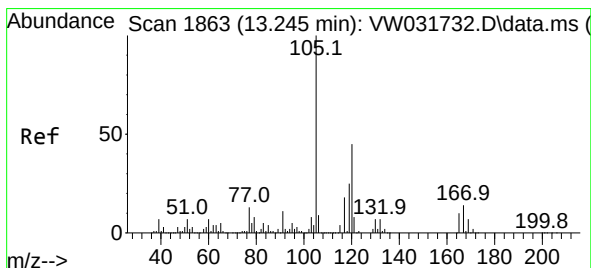
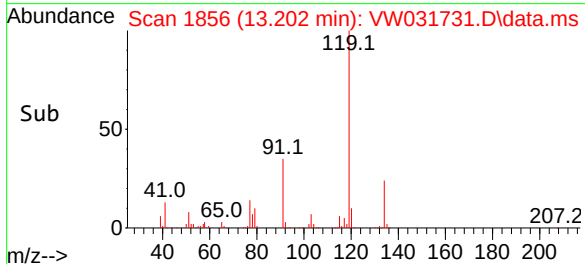
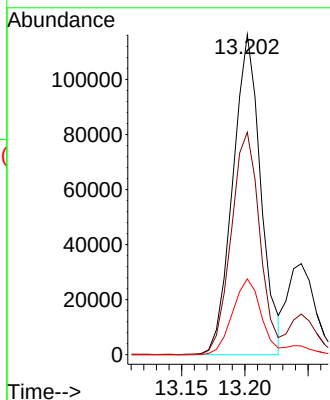
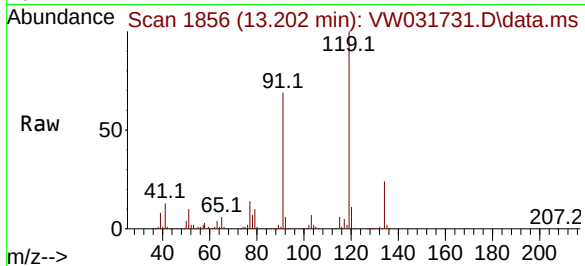




#83  
tert-Butylbenzene  
Concen: 19.591 ug/l  
RT: 13.202 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

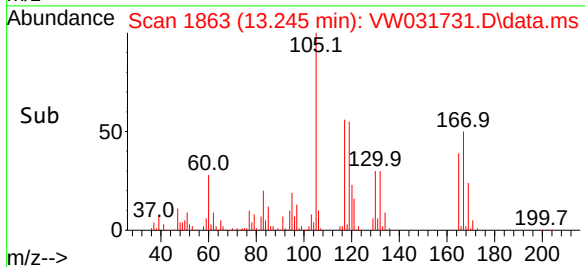
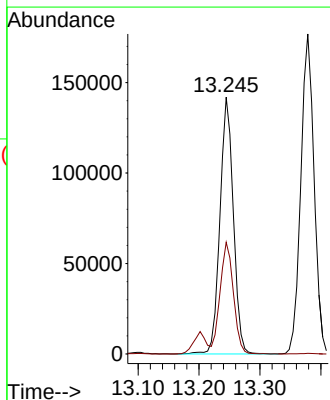
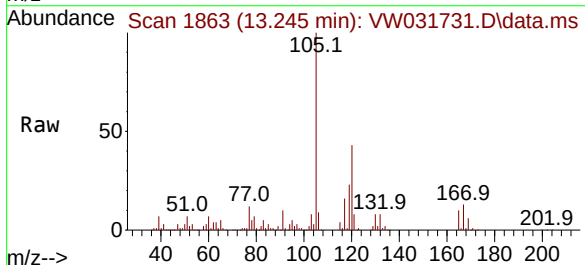
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDICC020

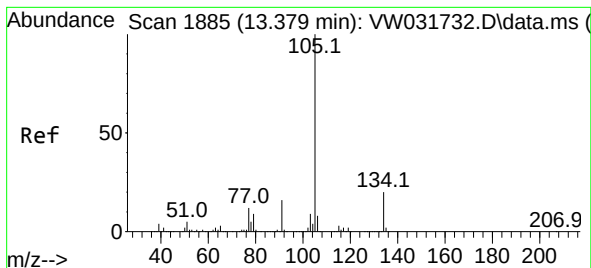
Tgt Ion:119 Resp: 179144  
Ion Ratio Lower Upper  
119 100  
91 71.0 36.0 108.1  
134 24.6 12.4 37.2



#84  
1,2,4-Trimethylbenzene  
Concen: 20.016 ug/l  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:105 Resp: 216491  
Ion Ratio Lower Upper  
105 100  
120 43.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 19.452 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

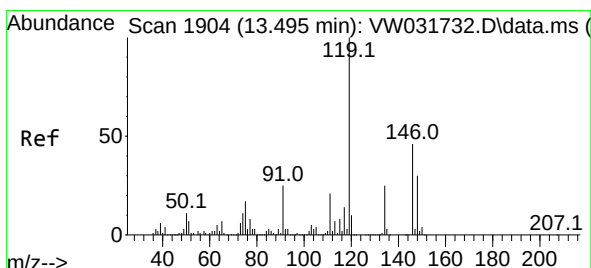
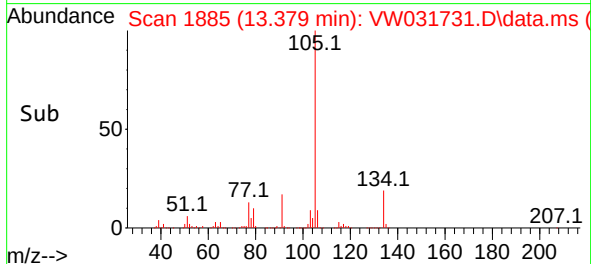
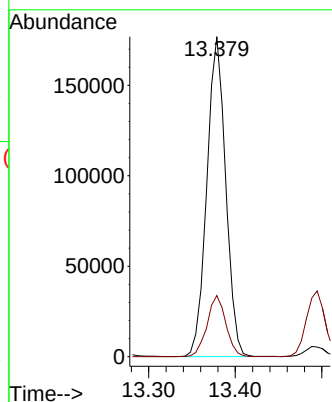
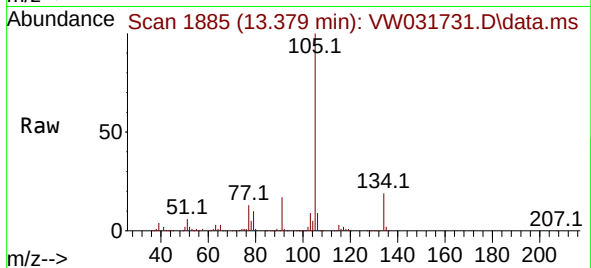
VSTDICC020

Tgt Ion:105 Resp: 266984

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8



#86

p-Isopropyltoluene

Concen: 19.735 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

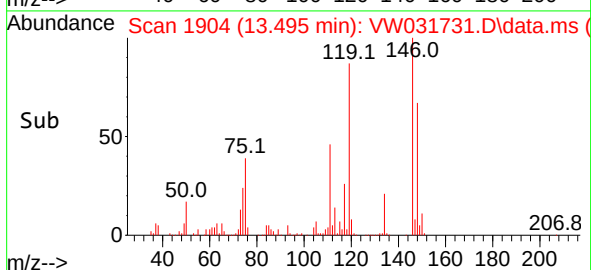
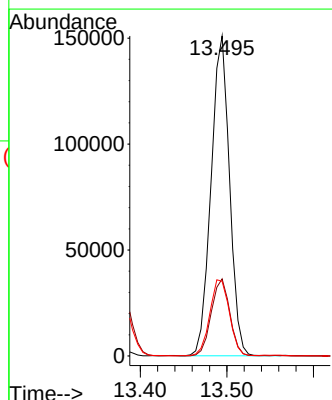
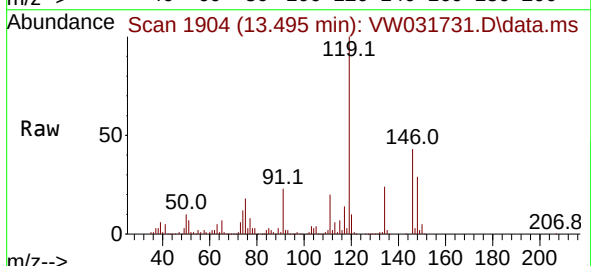
Tgt Ion:119 Resp: 223225

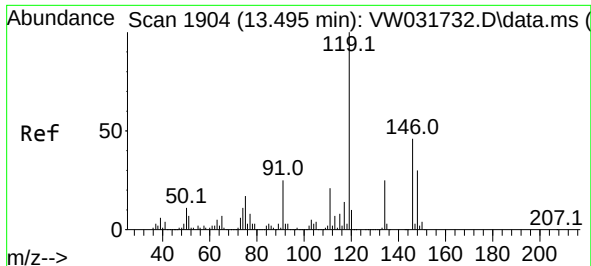
Ion Ratio Lower Upper

119 100

134 24.3 12.9 38.7

91 25.3 12.7 38.0

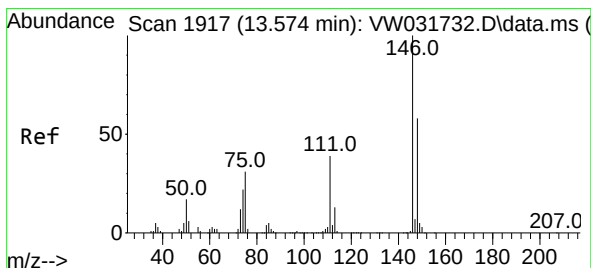
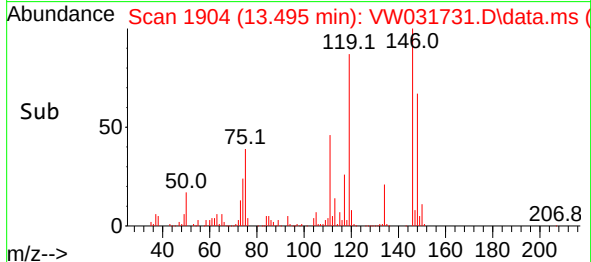
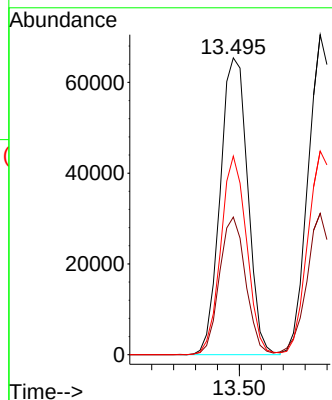
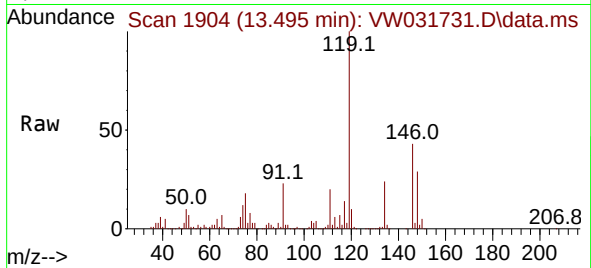




#87  
1,3-Dichlorobenzene  
Concen: 19.784 ug/l  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

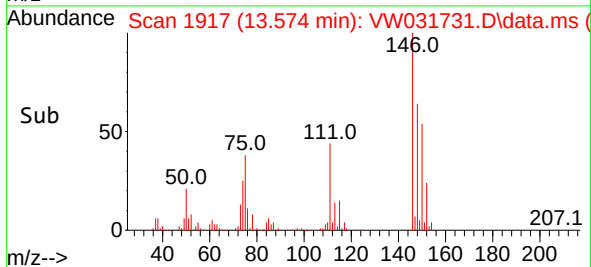
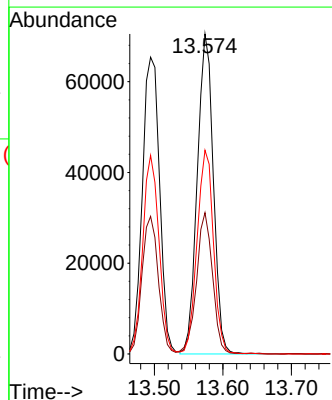
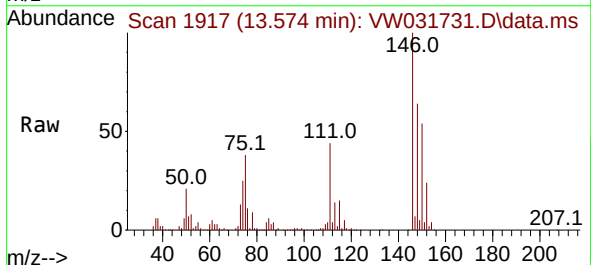
Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTDIC020

Tgt Ion:146 Resp: 114120  
Ion Ratio Lower Upper  
146 100  
111 44.1 22.3 66.9  
148 63.0 31.8 95.4

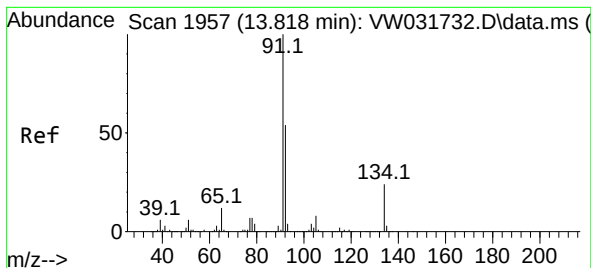


#88  
1,4-Dichlorobenzene  
Concen: 19.530 ug/l  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW031731.D  
Acq: 30 Jun 2025 10:58

Tgt Ion:146 Resp: 115307  
Ion Ratio Lower Upper  
146 100  
111 43.9 20.4 61.3  
148 64.5 30.2 90.6







#89

n-Butylbenzene

Concen: 19.336 ug/l

RT: 13.818 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC020

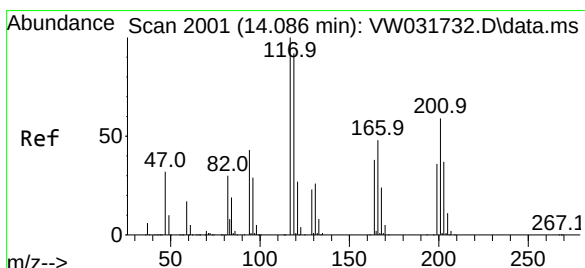
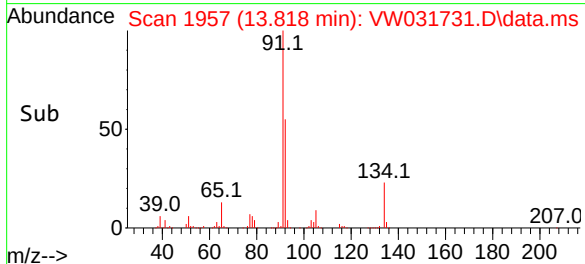
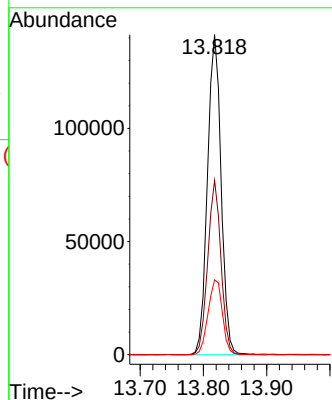
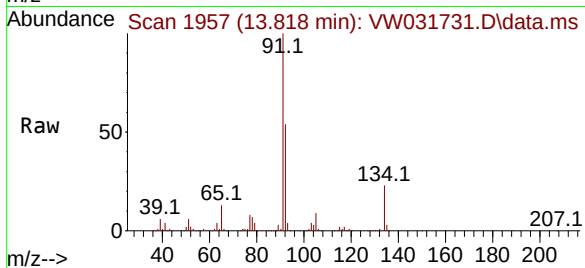
Tgt Ion: 91 Resp: 212509

Ion Ratio Lower Upper

91 100

92 52.8 27.2 81.5

134 24.5 12.2 36.6



#90

Hexachloroethane

Concen: 18.820 ug/l

RT: 14.086 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VW031731.D

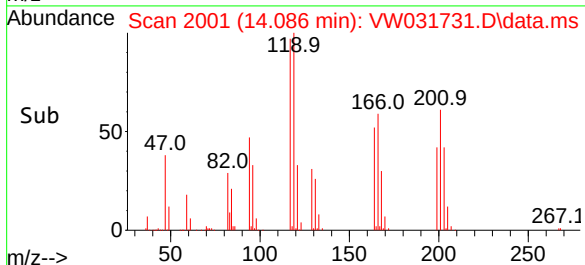
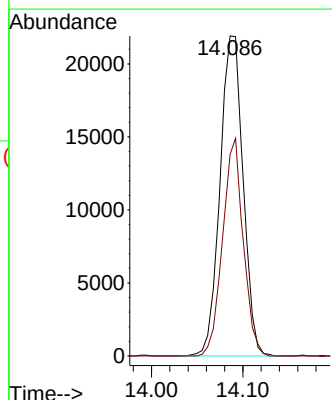
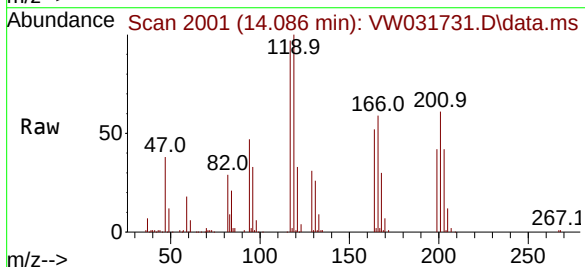
Acq: 30 Jun 2025 10:58

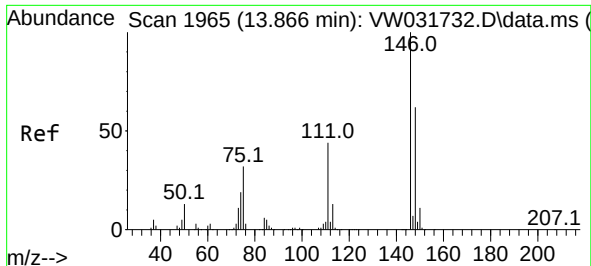
Tgt Ion: 117 Resp: 38406

Ion Ratio Lower Upper

117 100

201 60.9 31.1 93.3





#91

1,2-Dichlorobenzene

Concen: 19.432 ug/l

RT: 13.866 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

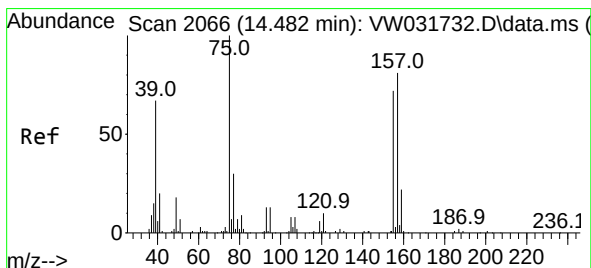
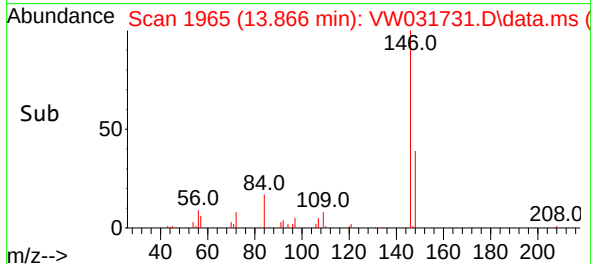
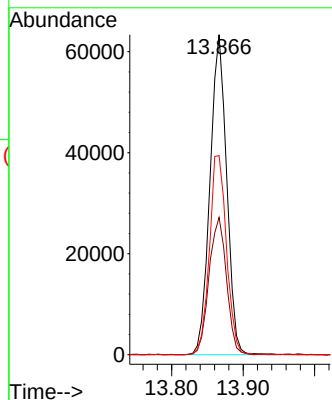
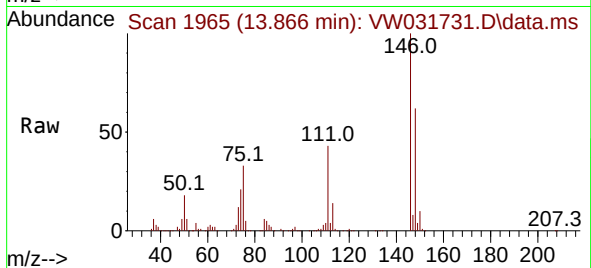
Tgt Ion:146 Resp: 102449

Ion Ratio Lower Upper

146 100

111 44.9 21.7 65.1

148 63.9 29.8 89.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.610 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

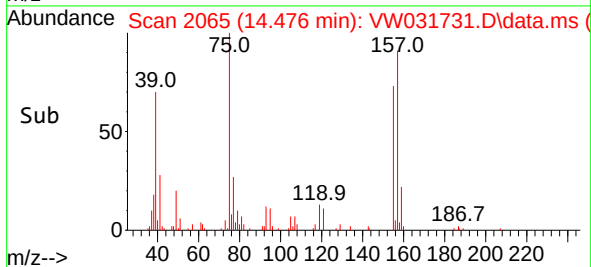
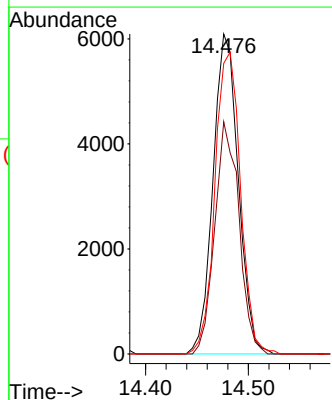
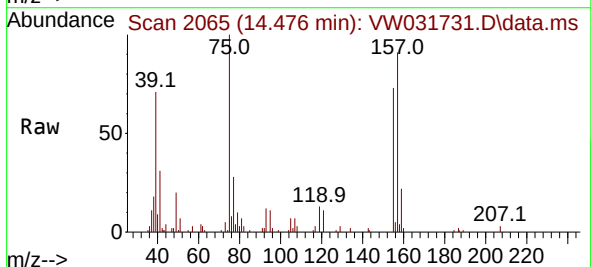
Tgt Ion: 75 Resp: 10404

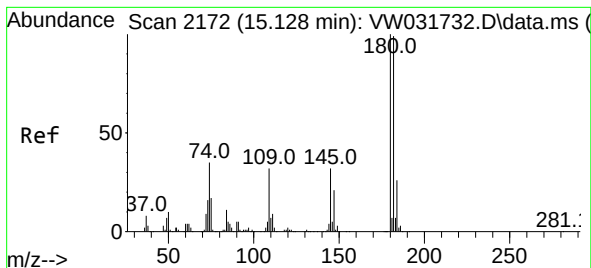
Ion Ratio Lower Upper

75 100

155 69.6 37.2 111.6

157 95.5 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 19.386 ug/l

RT: 15.128 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDIC020

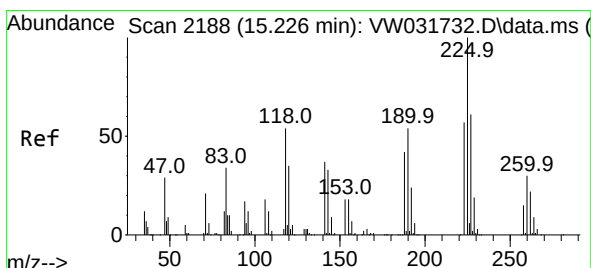
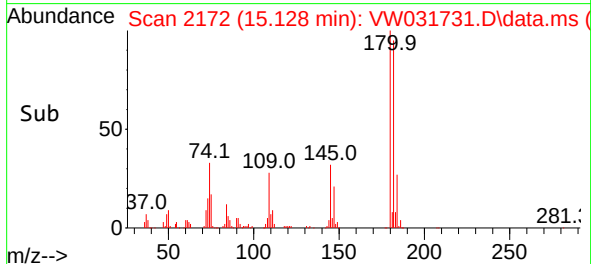
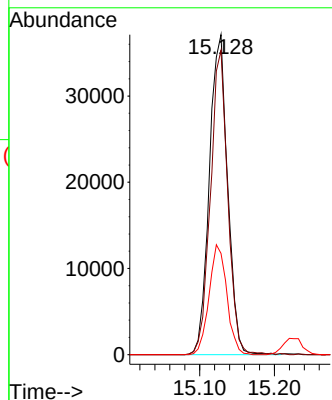
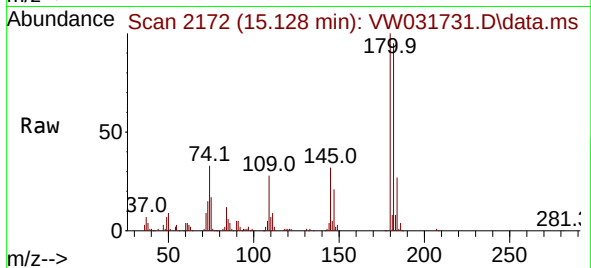
Tgt Ion:180 Resp: 63033

Ion Ratio Lower Upper

180 100

182 90.2 48.6 145.9

145 33.4 17.3 51.7



#94

Hexachlorobutadiene

Concen: 18.913 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

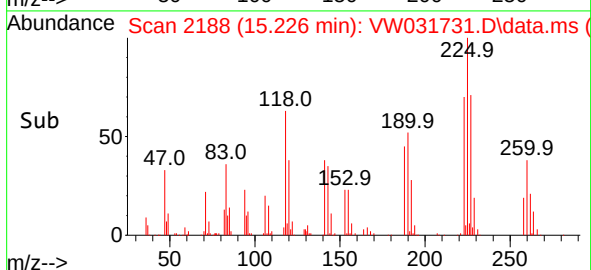
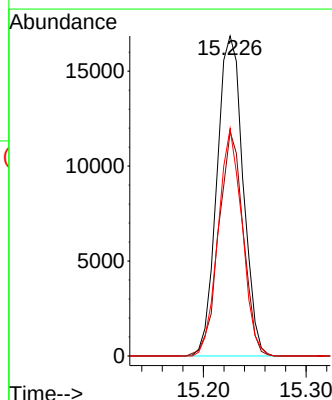
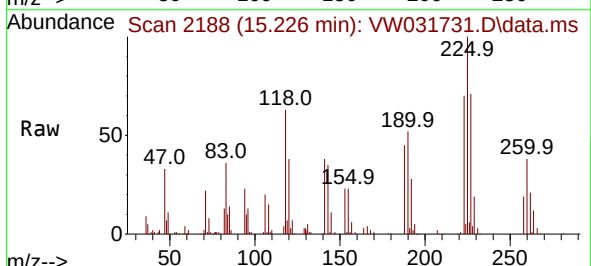
Tgt Ion:225 Resp: 29695

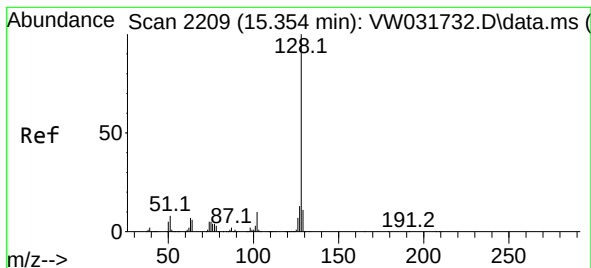
Ion Ratio Lower Upper

225 100

223 65.7 32.6 97.8

227 65.5 37.3 111.8





#95

Naphthalene

Concen: 18.335 ug/l

RT: 15.354 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Instrument :

MSVOA\_W

ClientSampleId :

VSTDICC020

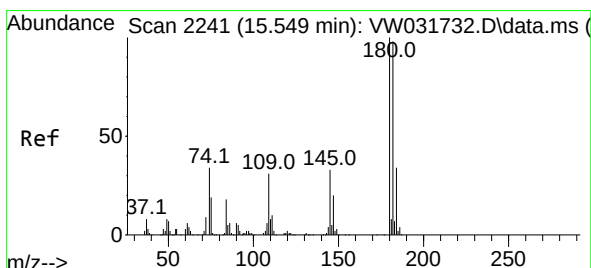
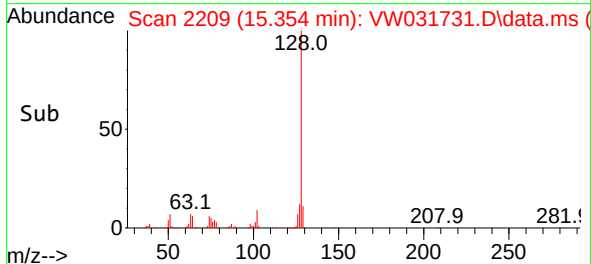
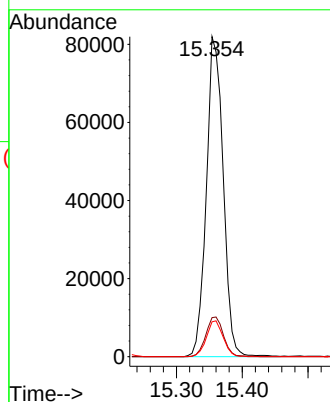
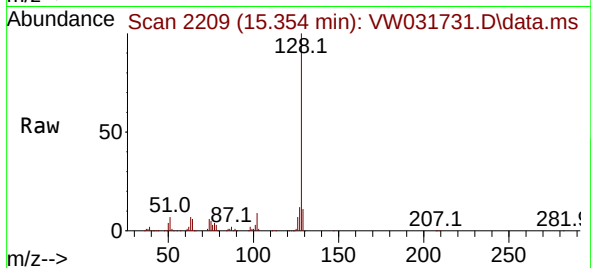
Tgt Ion:128 Resp: 146159

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 18.772 ug/l

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW031731.D

Acq: 30 Jun 2025 10:58

Tgt Ion:180 Resp: 56085

Ion Ratio Lower Upper

180 100

182 100.6 46.4 139.1

145 36.7 17.8 53.3

