

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW070225\  
 Data File : VW031754.D  
 Acq On : 02 Jul 2025 13:00  
 Operator : SY/MD  
 Sample : MDL04  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

Quant Time: Jul 03 06:16:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 06:15:34 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.965  | 168   | 213104   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.849  | 114   | 402196   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.629 | 117   | 352706   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.556 | 152   | 168786   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.319  | 65    | 161379   | 52.768   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 63 - 155 | Recovery | = 105.540% |          |
| 35) Dibromofluoromethane     | 7.898  | 113   | 132512   | 50.490   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 70 - 134 | Recovery | = 100.980% |          |
| 50) Toluene-d8               | 10.325 | 98    | 480196   | 49.166   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 123 | Recovery | = 98.340%  |          |
| 62) 4-Bromofluorobenzene     | 12.617 | 95    | 179932   | 50.062   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 17 - 146 | Recovery | = 100.120% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.046  | 85    | 3760     | 2.591    | ug/l       | 81       |
| 3) Chloromethane             | 2.259  | 50    | 5222     | 2.984    | ug/l       | 100      |
| 4) Vinyl Chloride            | 2.399  | 62    | 5905     | 2.568    | ug/l #     | 84       |
| 5) Bromomethane              | 2.826  | 94    | 4748     | 2.643    | ug/l       | 93       |
| 6) Chloroethane              | 2.966  | 64    | 4402     | 2.818    | ug/l       | 90       |
| 7) Trichlorofluoromethane    | 3.308  | 101   | 5569     | 2.666    | ug/l       | 90       |
| 8) Diethyl Ether             | 3.722  | 74    | 6120     | 3.856    | ug/l       | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.106  | 101   | 6705     | 2.892    | ug/l       | 99       |
| 10) Methyl Iodide            | 4.314  | 142   | 9302     | 2.603    | ug/l       | 94       |
| 11) Tert butyl alcohol       | 5.204  | 59    | 1321     | 6.972    | ug/l #     | 88       |
| 12) 1,1-Dichloroethene       | 4.082  | 96    | 7230     | 2.847    | ug/l       | 95       |
| 13) Acrolein                 | 3.929  | 56    | 1667     | 4.895    | ug/l       | 91       |
| 14) Allyl chloride           | 4.704  | 41    | 10661    | 2.736    | ug/l       | 97       |
| 15) Acrylonitrile            | 5.405  | 53    | 10780    | 13.813   | ug/l       | 97       |
| 16) Acetone                  | 4.161  | 43    | 13072    | 17.293   | ug/l       | 96       |
| 17) Carbon Disulfide         | 4.423  | 76    | 15828    | 2.329    | ug/l #     | 93       |
| 18) Methyl Acetate           | 4.704  | 43    | 8740     | 4.046    | ug/l       | 95       |
| 19) Methyl tert-butyl Ether  | 5.460  | 73    | 11193    | 2.597    | ug/l       | 99       |
| 20) Methylene Chloride       | 4.954  | 84    | 24307    | 7.002    | ug/l       | 94       |
| 21) trans-1,2-Dichloroethene | 5.466  | 96    | 6848     | 2.538    | ug/l #     | 87       |
| 22) Diisopropyl ether        | 6.344  | 45    | 19616    | 2.582    | ug/l       | 91       |
| 23) Vinyl Acetate            | 6.289  | 43    | 53549    | 10.318   | ug/l       | 99       |
| 24) 1,1-Dichloroethane       | 6.240  | 63    | 13221    | 2.684    | ug/l       | 96       |
| 25) 2-Butanone               | 7.203  | 43    | 12979    | 13.198   | ug/l       | 98       |
| 26) 2,2-Dichloropropane      | 7.197  | 77    | 7682     | 2.673    | ug/l       | 95       |
| 27) cis-1,2-Dichloroethene   | 7.191  | 96    | 8127     | 2.620    | ug/l       | 99       |
| 28) Bromochloromethane       | 7.532  | 49    | 5992     | 2.756    | ug/l       | 96       |
| 29) Tetrahydrofuran          | 7.557  | 42    | 8710     | 12.933   | ug/l       | 96       |
| 30) Chloroform               | 7.697  | 83    | 14561    | 2.782    | ug/l       | 86       |
| 31) Cyclohexane              | 7.971  | 56    | 15293    | 3.512    | ug/l #     | 62       |
| 32) 1,1,1-Trichloroethane    | 7.886  | 97    | 10540    | 2.613    | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 8.099  | 75    | 9797     | 2.580    | ug/l       | 98       |
| 37) Ethyl Acetate            | 7.289  | 43    | 5834     | 2.435    | ug/l       | 98       |
| 38) Carbon Tetrachloride     | 8.081  | 117   | 9473     | 2.448    | ug/l       | 92       |
| 39) Methylcyclohexane        | 9.343  | 83    | 11539    | 2.442    | ug/l       | 97       |
| 40) Benzene                  | 8.337  | 78    | 28880    | 2.570    | ug/l       | 94       |

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 Sample : MDL04  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

Quant Time: Jul 03 06:16:52 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 03 06:15:34 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 3189     | 2.485   | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 8.410  | 62   | 10390    | 2.737   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.435  | 43   | 10362    | 2.509   | ug/l   | 96       |
| 44) Trichloroethene           | 9.105  | 130  | 7080     | 2.525   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.380  | 63   | 7086     | 2.609   | ug/l   | 95       |
| 46) Dibromomethane            | 9.465  | 93   | 4458     | 2.543   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.654  | 83   | 10184    | 2.477   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.447  | 41   | 4135     | 2.036   | ug/l # | 83       |
| 49) 1,4-Dioxane               | 9.483  | 88   | 700      | 34.090  | ug/l # | 25       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 27810    | 11.713  | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 18784    | 2.611   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 8673     | 2.248   | ug/l # | 89       |
| 54) cis-1,3-Dichloropropene   | 10.075 | 75   | 9955     | 2.277   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.788 | 97   | 6054     | 2.636   | ug/l   | 90       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 6835     | 2.194   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 10351    | 2.567   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 19277    | 11.236  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.971 | 43   | 19035    | 11.831  | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.136 | 129  | 6287     | 2.289   | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 5980     | 2.601   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 5840     | 2.531   | ug/l   | 92       |
| 65) Chlorobenzene             | 11.660 | 112  | 19960    | 2.565   | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane | 11.727 | 131  | 6065     | 2.446   | ug/l   | 93       |
| 67) Ethyl Benzene             | 11.727 | 91   | 33779    | 2.503   | ug/l   | 89       |
| 68) m/p-Xylenes               | 11.843 | 106  | 24589    | 4.740   | ug/l   | 98       |
| 69) o-Xylene                  | 12.166 | 106  | 11439    | 2.382   | ug/l   | 100      |
| 70) Styrene                   | 12.184 | 104  | 19789    | 2.383   | ug/l   | 96       |
| 71) Bromoform                 | 12.355 | 173  | 3760     | 2.542   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.465 | 105  | 28899    | 2.251   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.276 | 43   | 7524     | 2.174   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 7640     | 2.680   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.769 | 75   | 9257     | 4.244   | ug/l # | 1        |
| 77) Bromobenzene              | 12.745 | 156  | 7326     | 2.558   | ug/l   | 91       |
| 78) n-propylbenzene           | 12.800 | 91   | 37437    | 2.435   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 22353    | 2.414   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 25056    | 2.358   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75   | 94886    | 101.323 | ug/l # | 8        |
| 82) 4-Chlorotoluene           | 12.983 | 91   | 24239    | 2.494   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 21114    | 2.319   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 25693    | 2.386   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 31461    | 2.303   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 26934    | 2.392   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 14774    | 2.573   | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.574 | 146  | 15893    | 2.704   | ug/l   | 86       |
| 89) n-Butylbenzene            | 13.818 | 91   | 26141    | 2.389   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.092 | 117  | 4761     | 2.344   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 13556    | 2.583   | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.476 | 75   | 1541     | 2.769   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 8068     | 2.492   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.226 | 225  | 4404     | 2.818   | ug/l   | 88       |
| 95) Naphthalene               | 15.360 | 128  | 17720    | 2.233   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 7515     | 2.527   | ug/l   | 97       |

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Operator : SY/MD  
Sample : MDL04  
Misc : 5.00g/5mL/MSVOA\_W/SOIL  
ALS Vial : 10 Sample Multiplier: 1

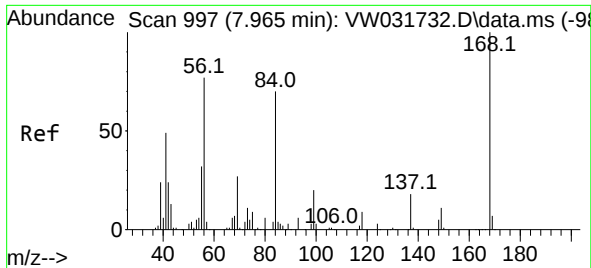
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

Quant Time: Jul 03 06:16:52 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 03 06:15:34 2025  
Response via : Initial Calibration

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

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

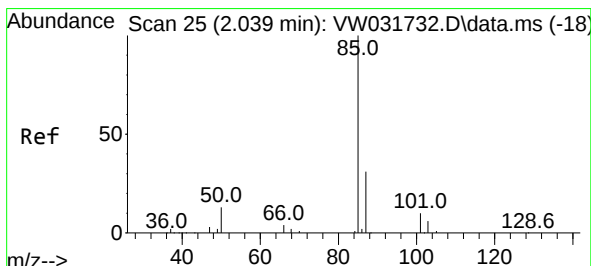
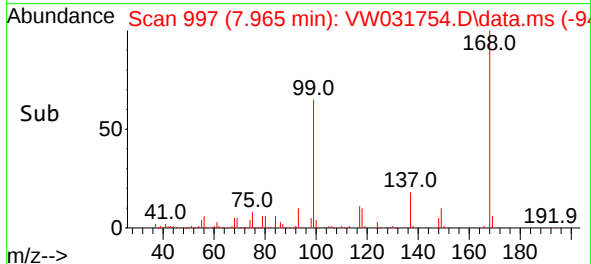
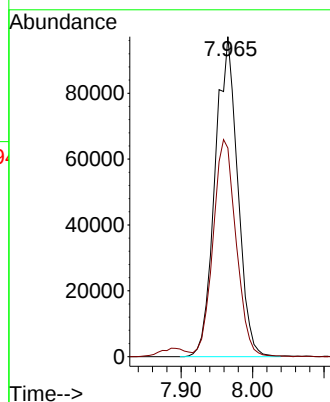
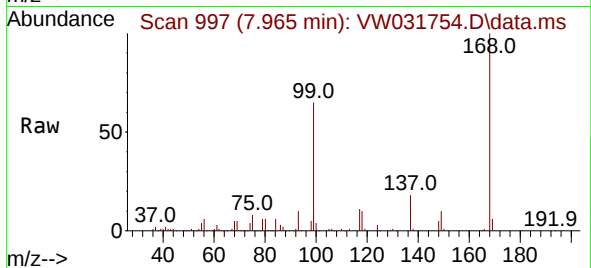




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

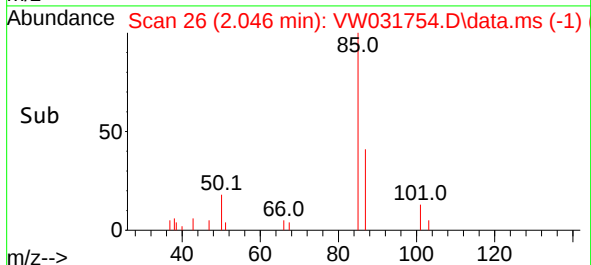
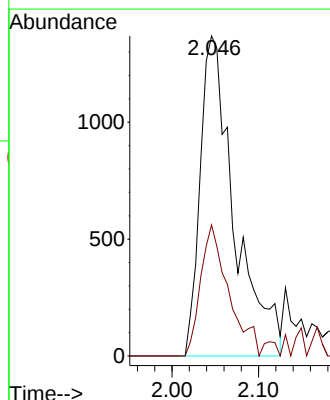
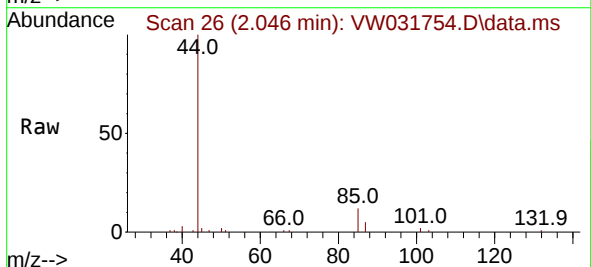
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

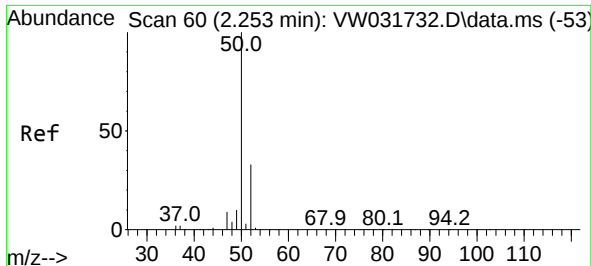
Tgt Ion:168 Resp: 213104  
Ion Ratio Lower Upper  
168 100  
99 65.0 49.4 74.2



#2  
Dichlorodifluoromethane  
Concen: 2.591 ug/l  
RT: 2.046 min Scan# 26  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 85 Resp: 3760  
Ion Ratio Lower Upper  
85 100  
87 41.0 15.4 46.2

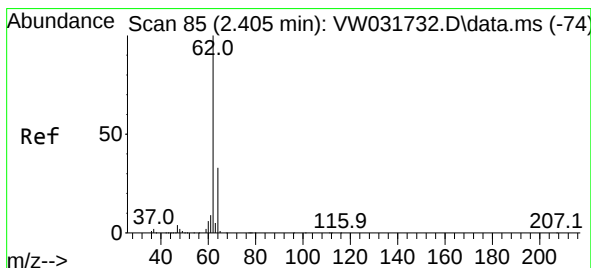
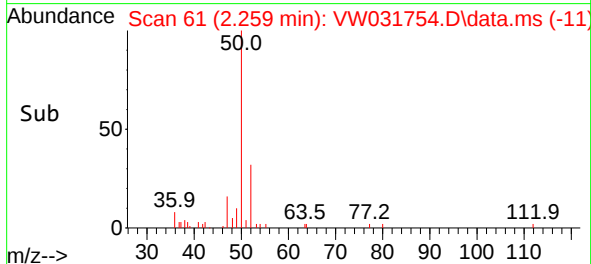
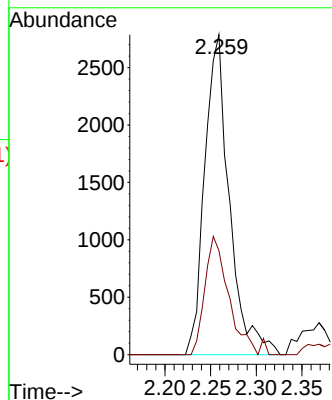
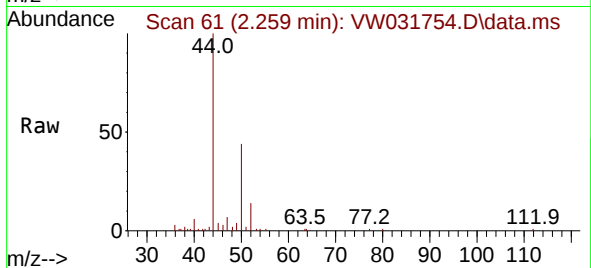




#3  
Chloromethane  
Concen: 2.984 ug/l  
RT: 2.259 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

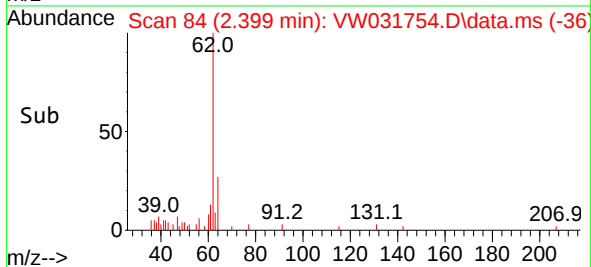
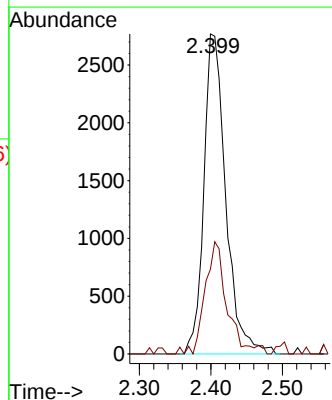
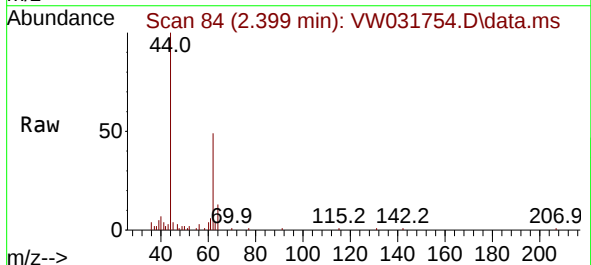
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

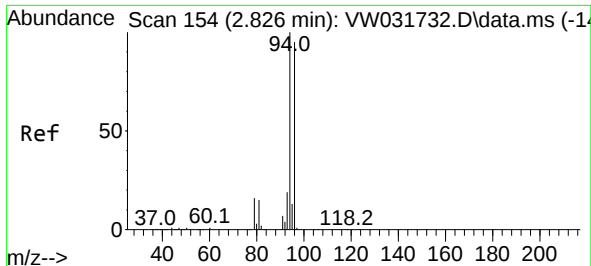
Tgt Ion: 50 Resp: 5222  
Ion Ratio Lower Upper  
50 100  
52 32.5 26.2 39.2



#4  
Vinyl Chloride  
Concen: 2.568 ug/l  
RT: 2.399 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 62 Resp: 5905  
Ion Ratio Lower Upper  
62 100  
64 24.4 26.8 40.2#

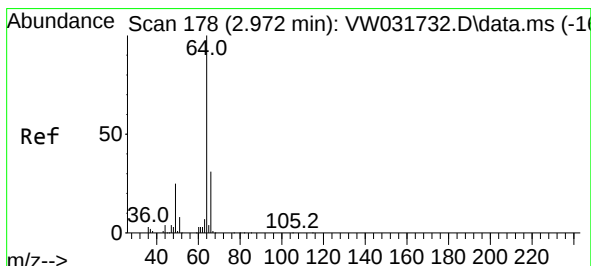
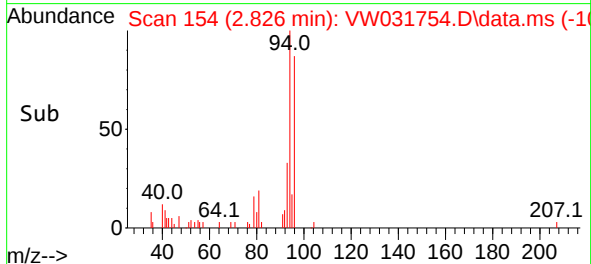
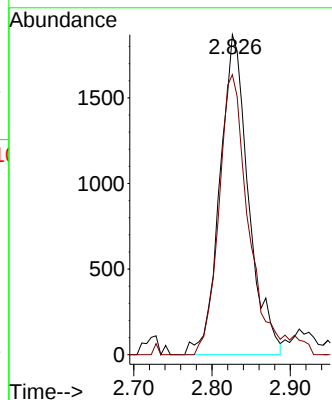
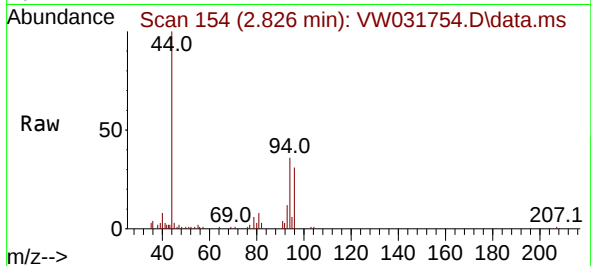




#5  
Bromomethane  
Concen: 2.643 ug/l  
RT: 2.826 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

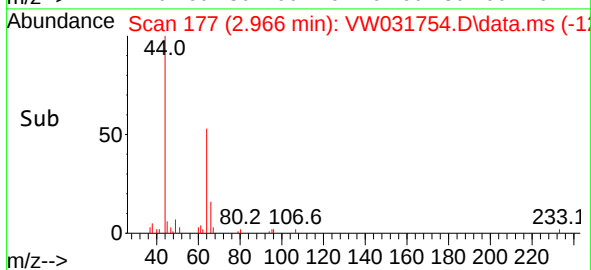
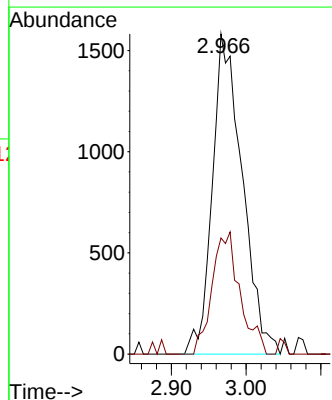
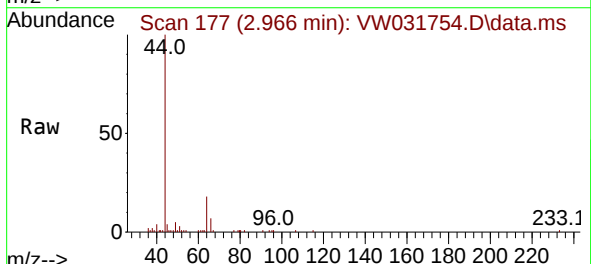
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

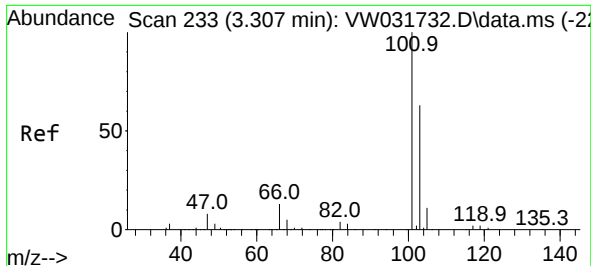
Tgt Ion: 94 Resp: 4748  
Ion Ratio Lower Upper  
94 100  
96 87.5 75.6 113.4



#6  
Chloroethane  
Concen: 2.818 ug/l  
RT: 2.966 min Scan# 177  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 64 Resp: 4402  
Ion Ratio Lower Upper  
64 100  
66 36.3 24.5 36.7

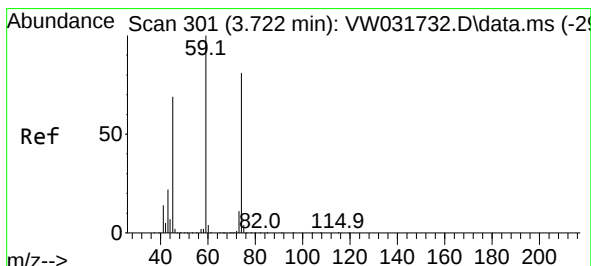
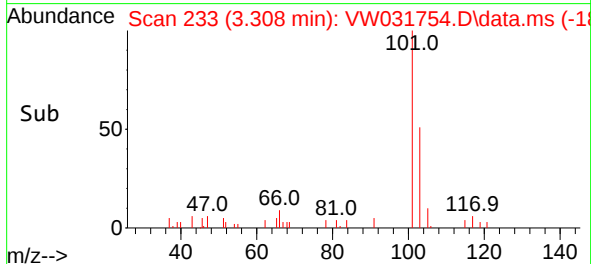
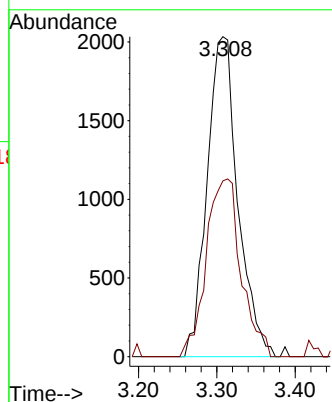
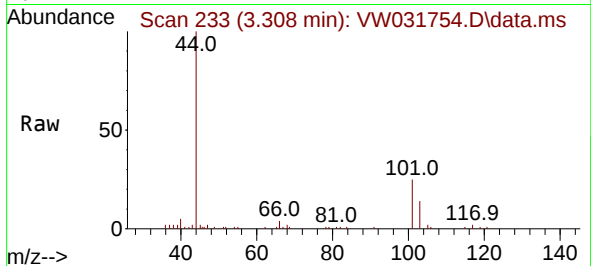




#7  
 Trichlorofluoromethane  
 Concen: 2.666 ug/l  
 RT: 3.308 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

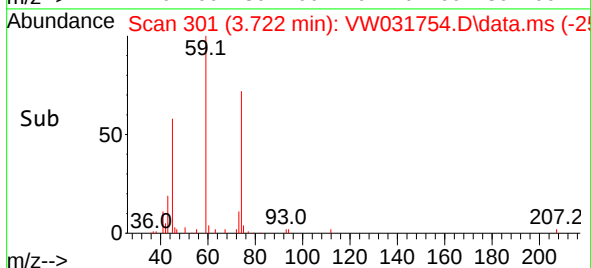
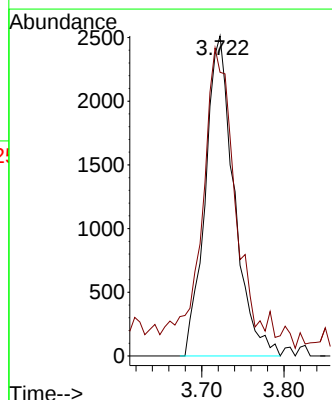
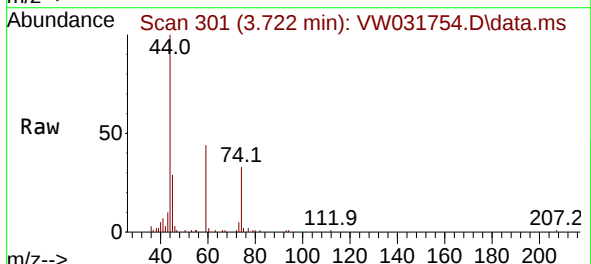
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

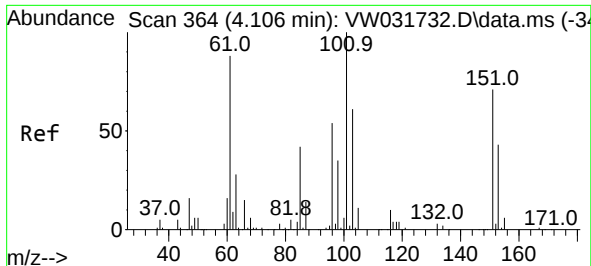
Tgt Ion:101 Resp: 5569  
 Ion Ratio Lower Upper  
 101 100  
 103 55.0 50.2 75.4



#8  
 Diethyl Ether  
 Concen: 3.856 ug/l  
 RT: 3.722 min Scan# 301  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion: 74 Resp: 6120  
 Ion Ratio Lower Upper  
 74 100  
 45 96.4 43.9 131.7

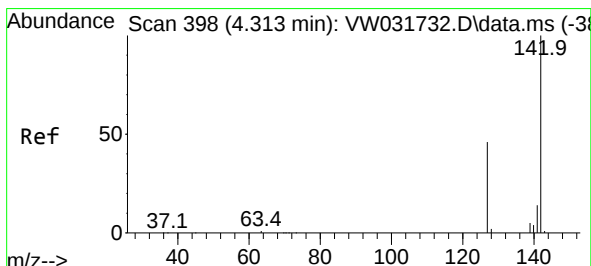
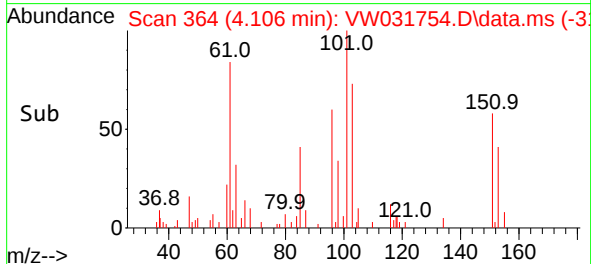
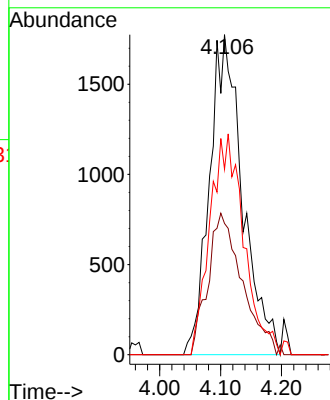
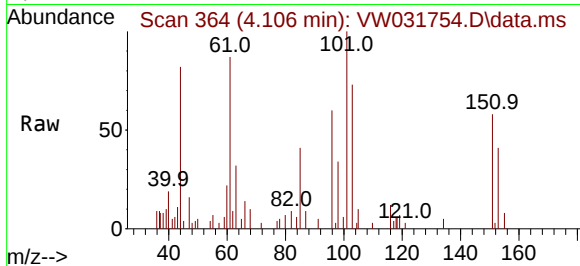




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 2.892 ug/l  
 RT: 4.106 min Scan# 364  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

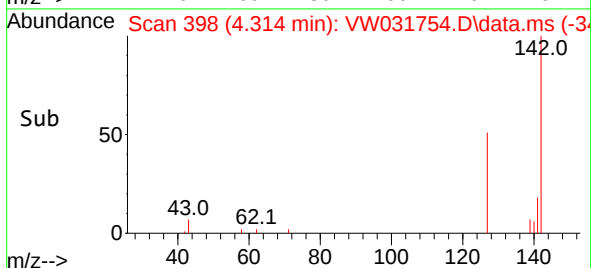
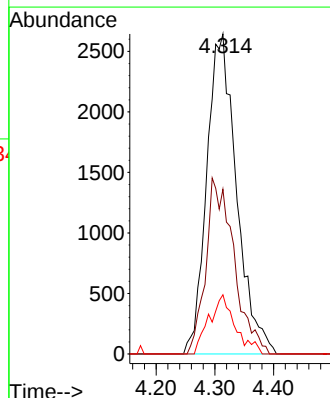
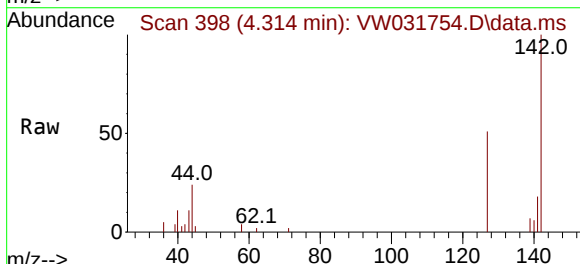
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

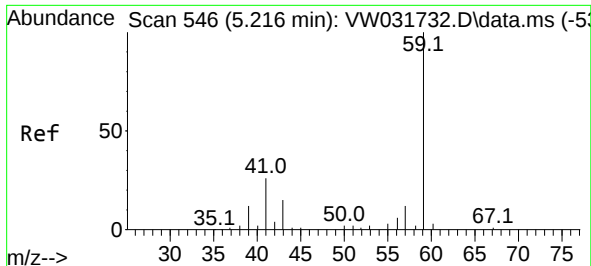
Tgt Ion:101 Resp: 6705  
 Ion Ratio Lower Upper  
 101 100  
 85 46.0 35.6 53.4  
 151 70.4 56.8 85.2



#10  
 Methyl Iodide  
 Concen: 2.603 ug/l  
 RT: 4.314 min Scan# 398  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion:142 Resp: 9302  
 Ion Ratio Lower Upper  
 142 100  
 127 51.9 37.9 56.9  
 141 16.2 11.7 17.5

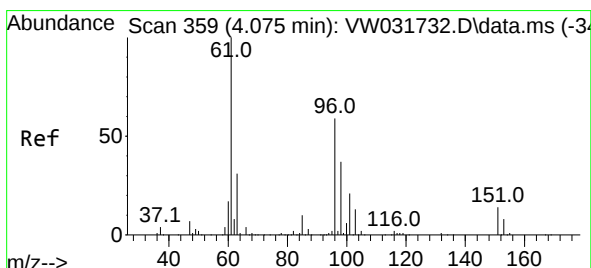
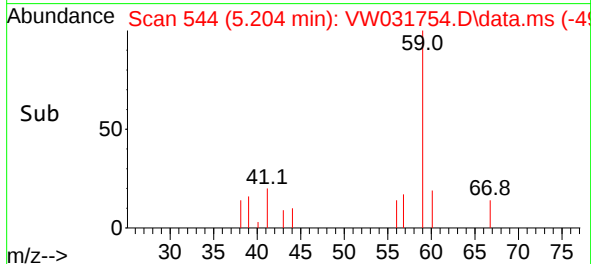
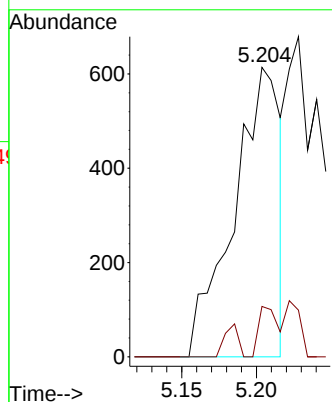
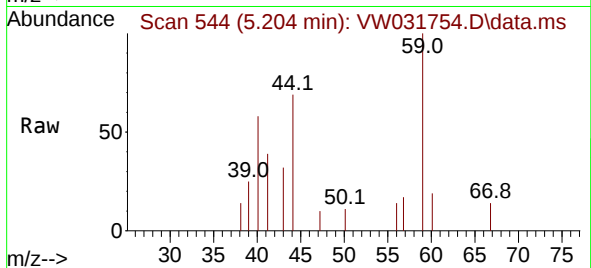




#11  
Tert butyl alcohol  
Concen: 6.972 ug/l  
RT: 5.204 min Scan# 546  
Delta R.T. -0.012 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

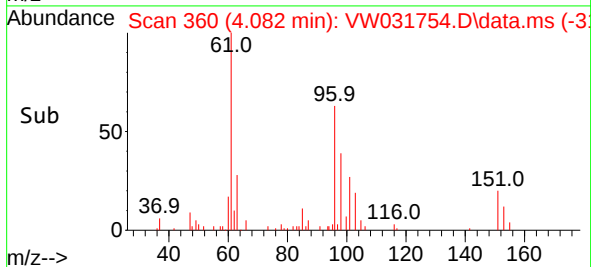
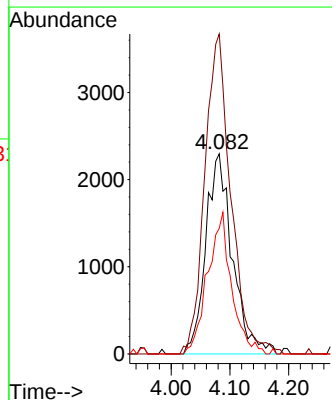
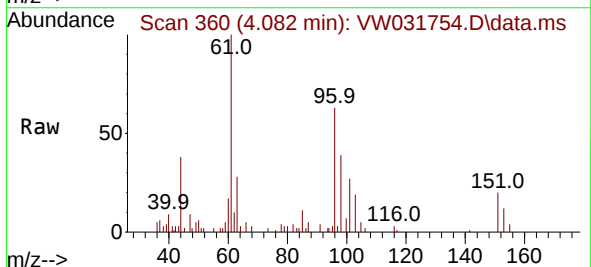
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

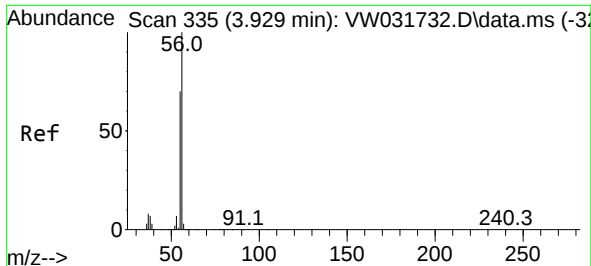
Tgt Ion: 59 Resp: 1321  
Ion Ratio Lower Upper  
59 100  
57 7.2 9.5 14.3#



#12  
1,1-Dichloroethene  
Concen: 2.847 ug/l  
RT: 4.082 min Scan# 360  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 96 Resp: 7230  
Ion Ratio Lower Upper  
96 100  
61 159.9 135.8 203.8  
98 62.8 50.4 75.6

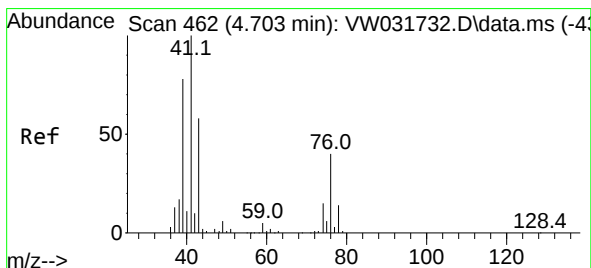
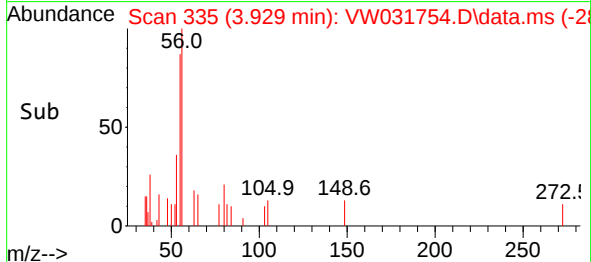
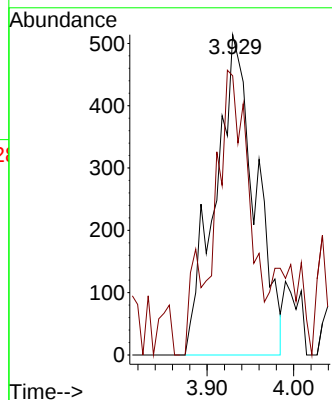
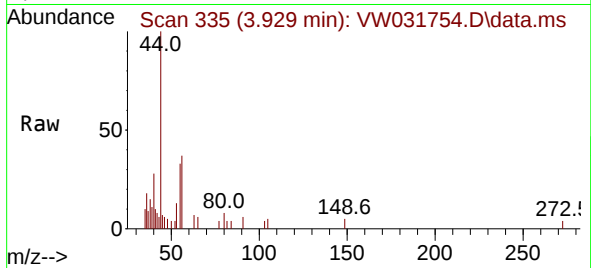




#13  
Acrolein  
Concen: 4.895 ug/l  
RT: 3.929 min Scan# 335  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

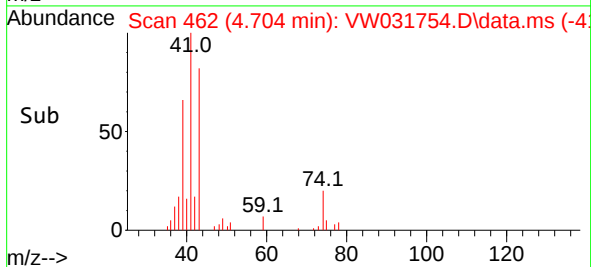
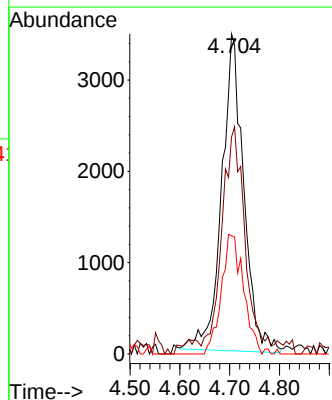
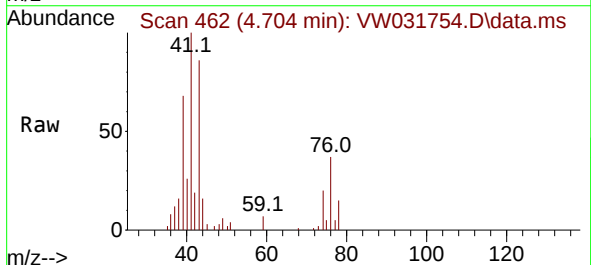
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

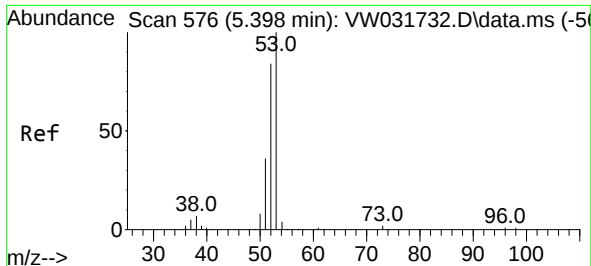
Tgt Ion: 56 Resp: 1667  
Ion Ratio Lower Upper  
56 100  
55 59.9 54.0 81.0



#14  
Allyl chloride  
Concen: 2.736 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 41 Resp: 10661  
Ion Ratio Lower Upper  
41 100  
39 72.0 60.7 91.1  
76 37.6 30.3 45.5

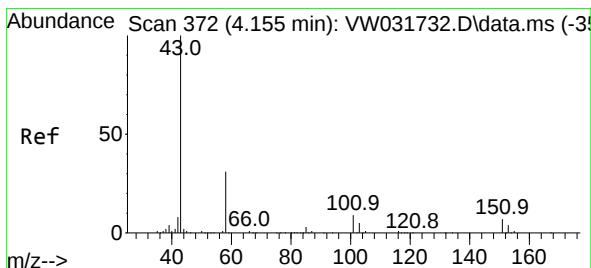
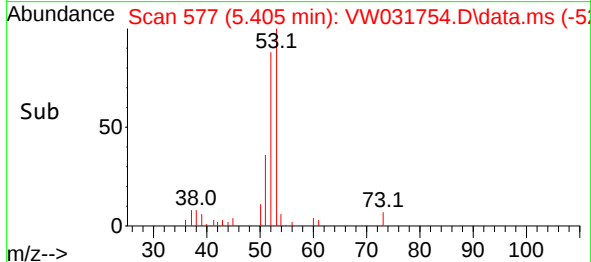
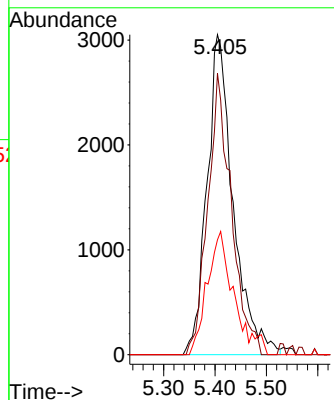
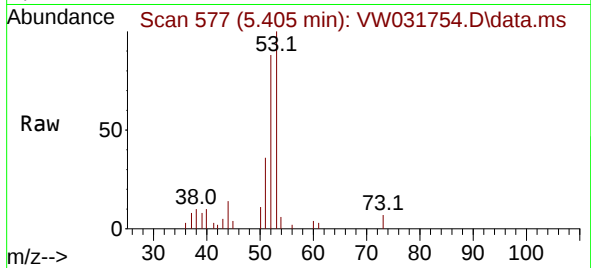




#15  
Acrylonitrile  
Concen: 13.813 ug/l  
RT: 5.405 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

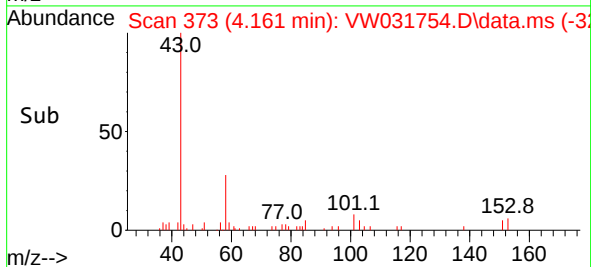
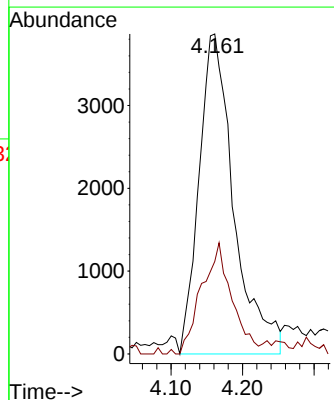
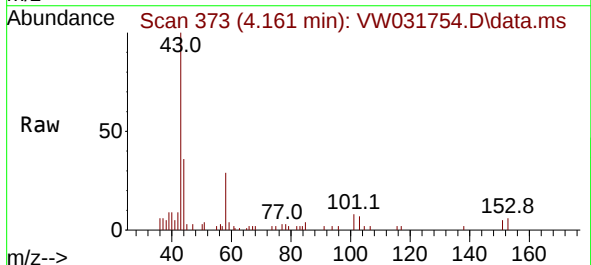
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

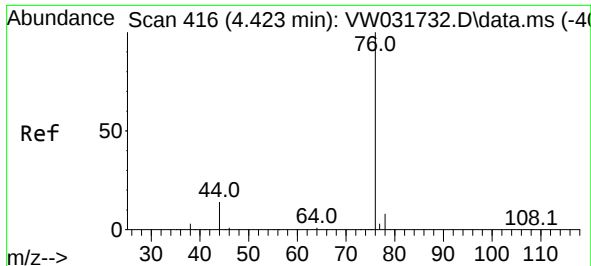
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 10780 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 79.3  | 66.4  | 99.6  |
| 51       | 37.8  | 29.9  | 44.9  |



#16  
Acetone  
Concen: 17.293 ug/l  
RT: 4.161 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 13072 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.9  | 24.8  | 37.2  |

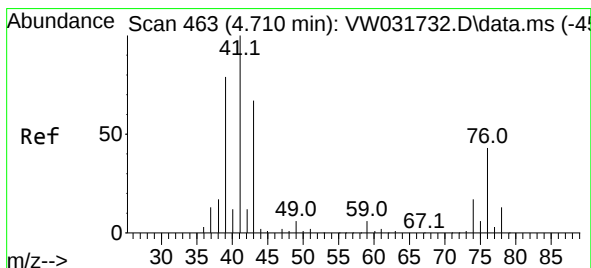
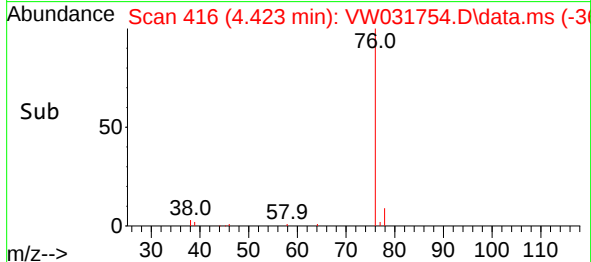
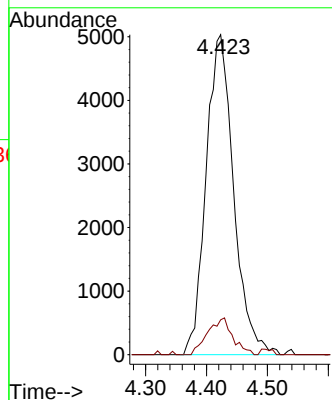
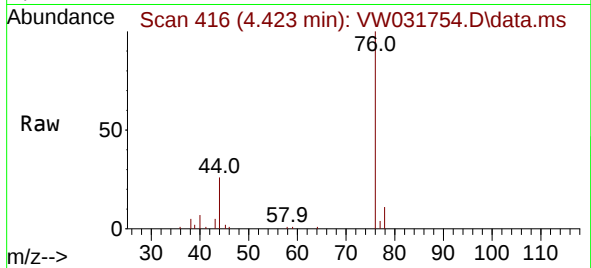




#17  
Carbon Disulfide  
Concen: 2.329 ug/l  
RT: 4.423 min Scan# 416  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

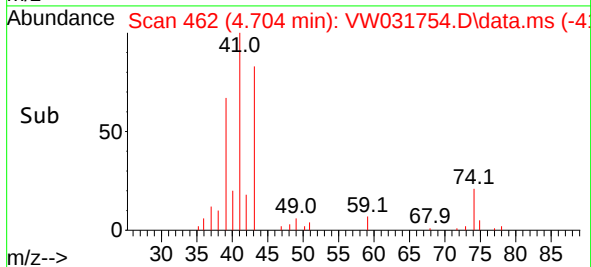
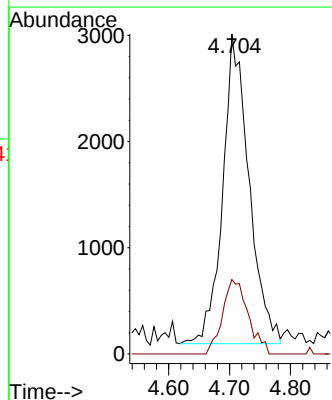
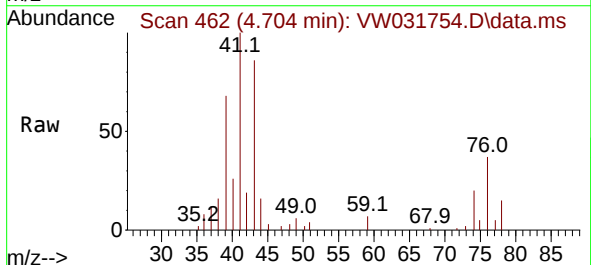
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

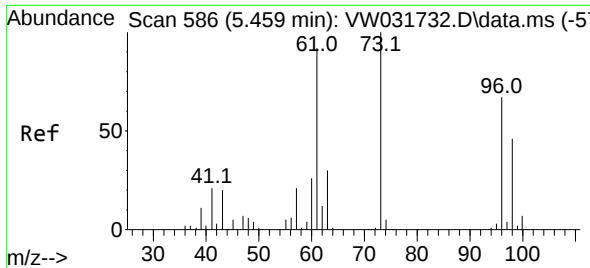
Tgt Ion: 76 Resp: 15828  
Ion Ratio Lower Upper  
76 100  
78 10.9 6.6 10.0#



#18  
Methyl Acetate  
Concen: 4.046 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 43 Resp: 8740  
Ion Ratio Lower Upper  
43 100  
74 23.3 20.6 30.8

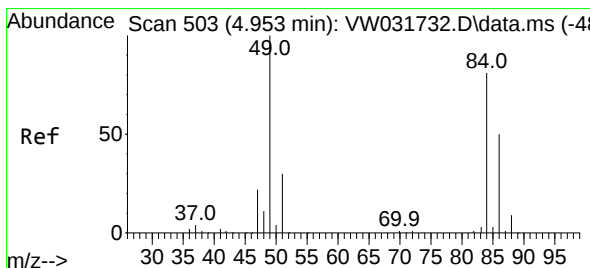
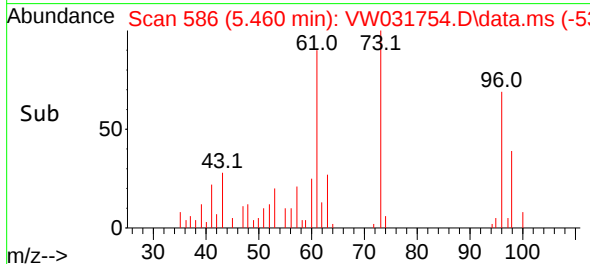
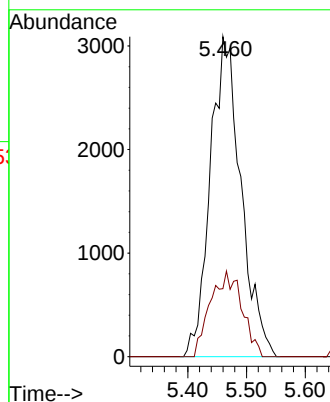
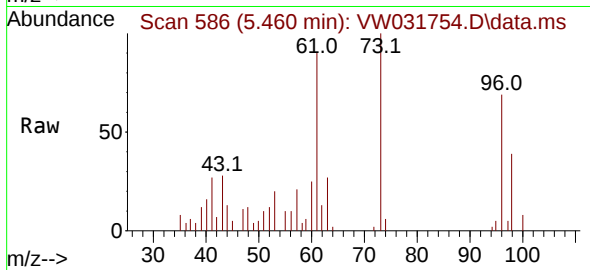




#19  
Methyl tert-butyl Ether  
Concen: 2.597 ug/l  
RT: 5.460 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

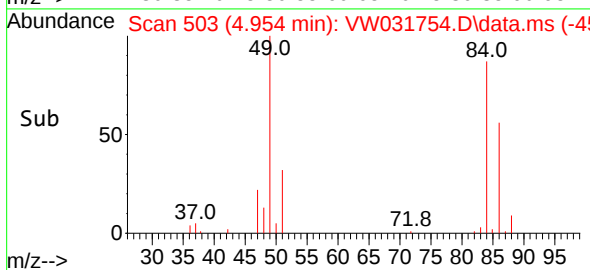
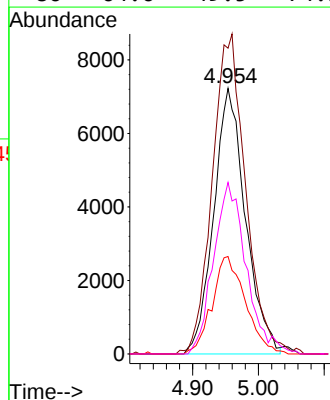
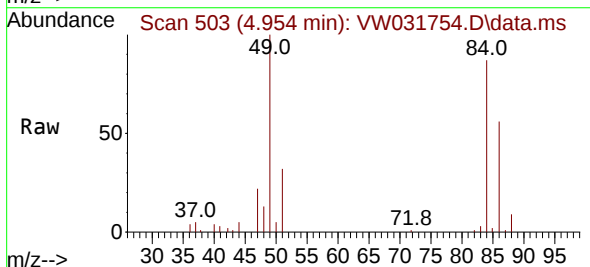
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

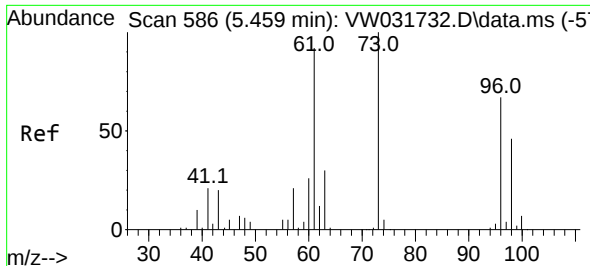
Tgt Ion: 73 Resp: 11193  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.2 25.8



#20  
Methylene Chloride  
Concen: 7.002 ug/l  
RT: 4.954 min Scan# 503  
Delta R.T. 0.001 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 84 Resp: 24307  
Ion Ratio Lower Upper  
84 100  
49 113.7 98.2 147.4  
51 36.7 29.8 44.8  
86 64.6 49.5 74.3

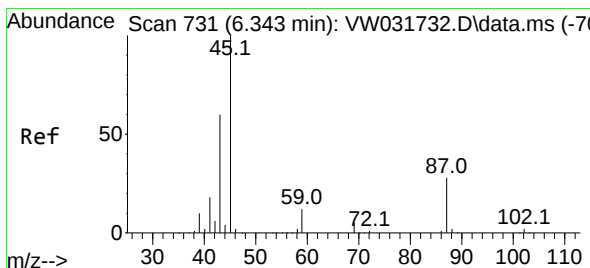
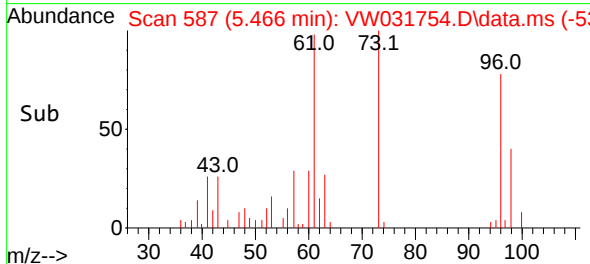
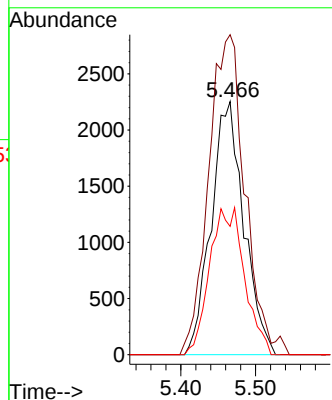
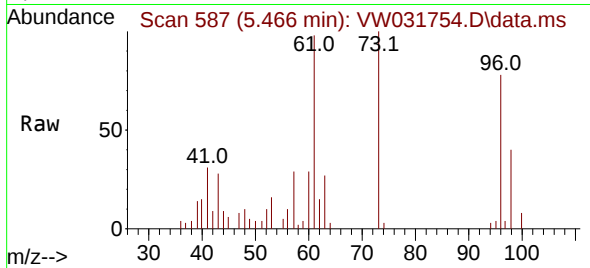




#21  
trans-1,2-Dichloroethene  
Concen: 2.538 ug/l  
RT: 5.466 min Scan# 586  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

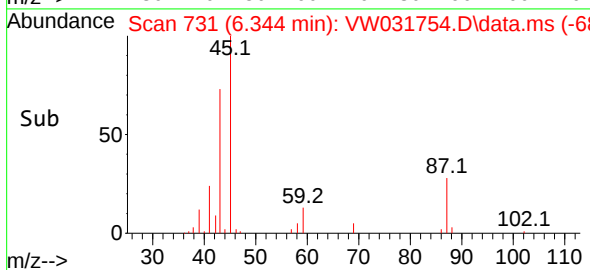
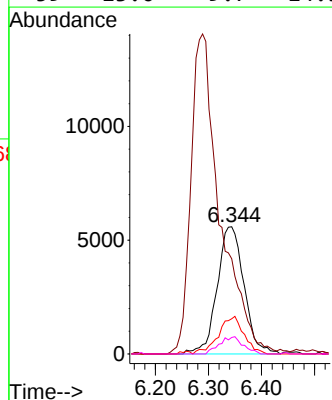
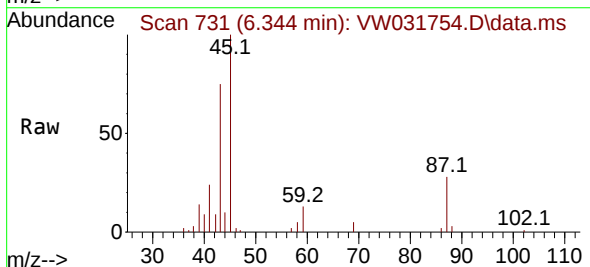
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

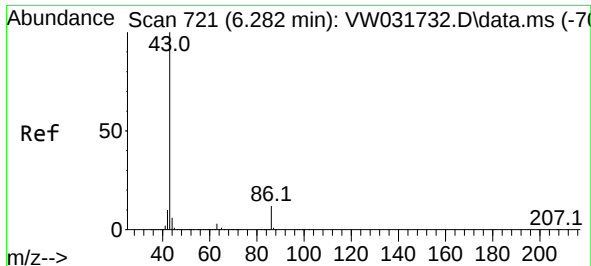
Tgt Ion: 96 Resp: 6848  
Ion Ratio Lower Upper  
96 100  
61 126.4 109.8 164.6  
98 50.7 54.9 82.3#



#22  
Diisopropyl ether  
Concen: 2.582 ug/l  
RT: 6.344 min Scan# 731  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 45 Resp: 19616  
Ion Ratio Lower Upper  
45 100  
43 71.2 48.3 72.5  
87 27.7 22.6 34.0  
59 13.0 9.7 14.5

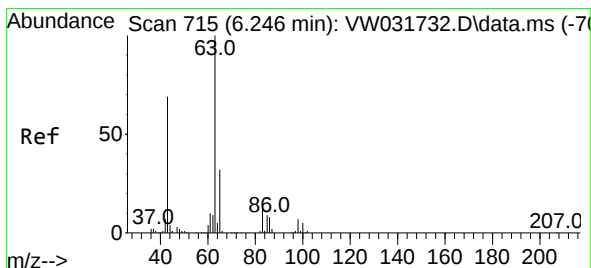
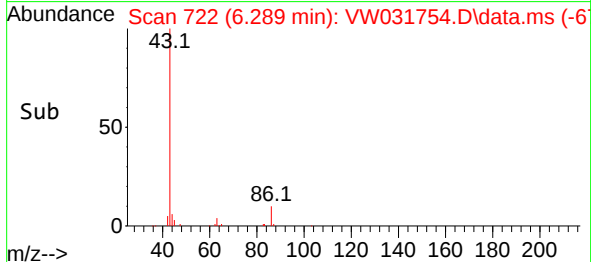
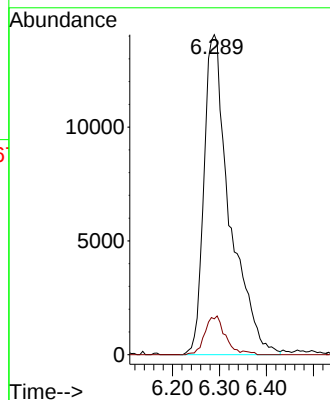
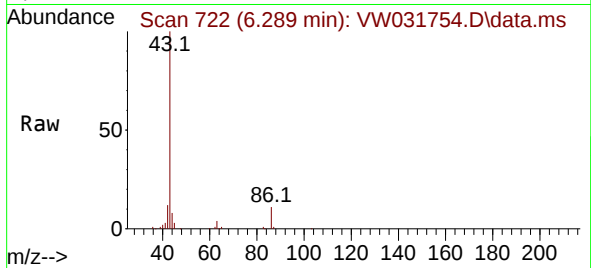




#23  
 Vinyl Acetate  
 Concen: 10.318 ug/l  
 RT: 6.289 min Scan# 714  
 Delta R.T. 0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

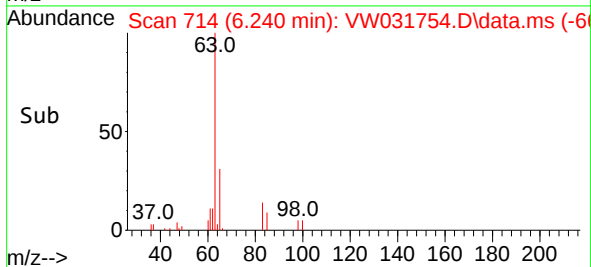
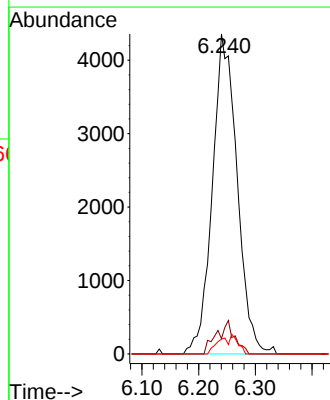
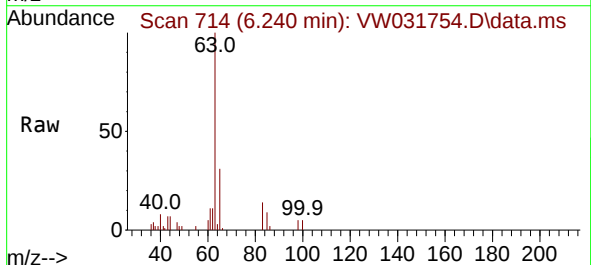
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

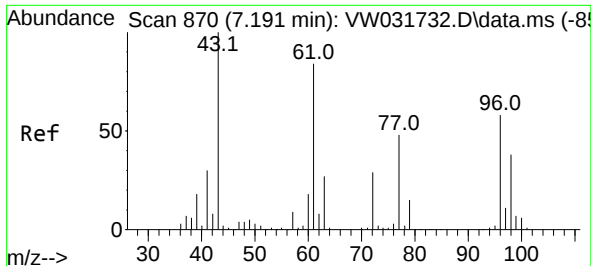
Tgt Ion: 43 Resp: 53549  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 9.2 13.8



#24  
 1,1-Dichloroethane  
 Concen: 2.684 ug/l  
 RT: 6.240 min Scan# 714  
 Delta R.T. -0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion: 63 Resp: 13221  
 Ion Ratio Lower Upper  
 63 100  
 98 4.8 3.5 10.6  
 100 4.7 2.5 7.5





#25

2-Butanone

Concen: 13.198 ug/l

RT: 7.203 min Scan# 81

Delta R.T. 0.013 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

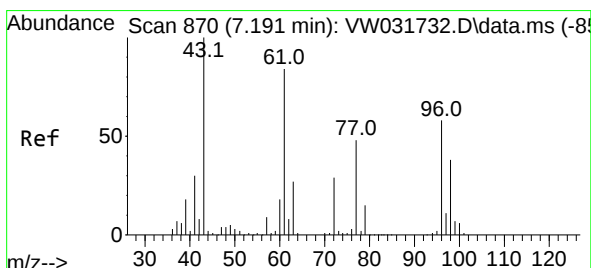
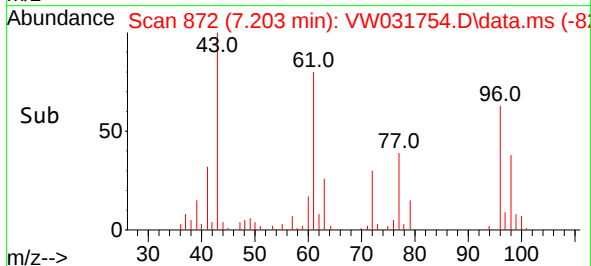
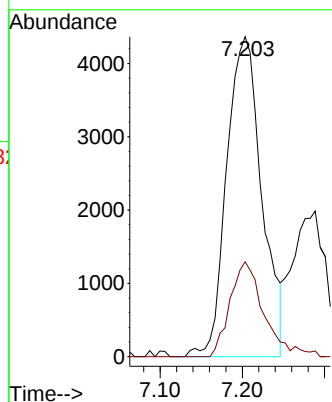
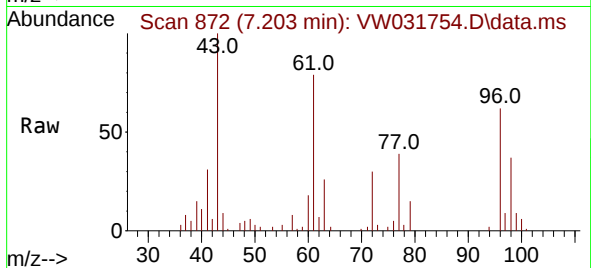
MDL04

Tgt Ion: 43 Resp: 12979

Ion Ratio Lower Upper

43 100

72 29.7 23.0 34.6



#26

2,2-Dichloropropane

Concen: 2.673 ug/l

RT: 7.197 min Scan# 871

Delta R.T. 0.006 min

Lab File: VW031754.D

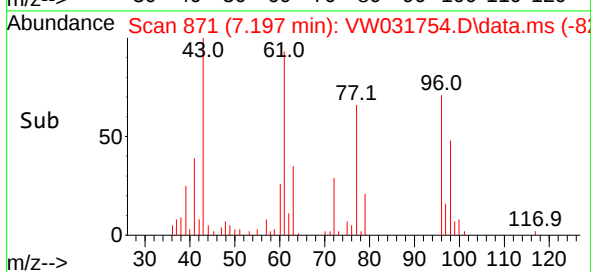
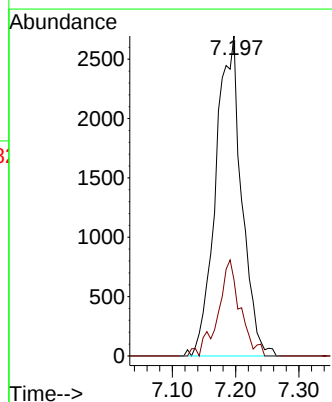
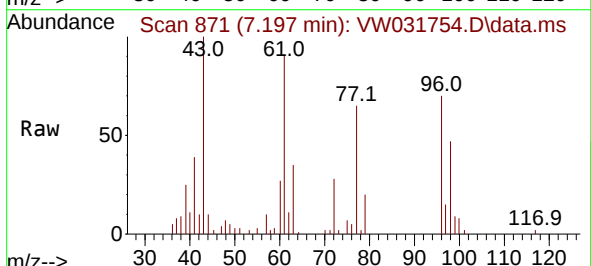
Acq: 02 Jul 2025 13:00

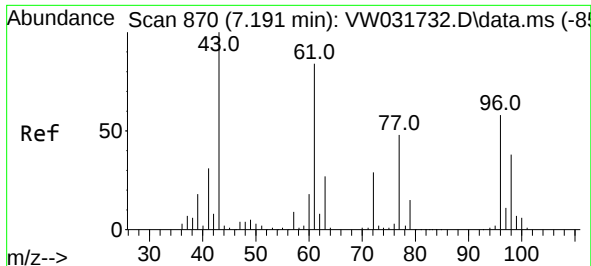
Tgt Ion: 77 Resp: 7682

Ion Ratio Lower Upper

77 100

97 25.6 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 2.620 ug/l

RT: 7.191 min Scan# 870

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

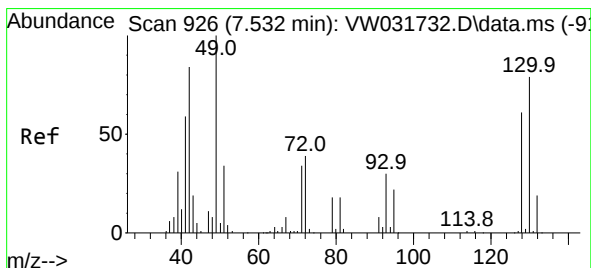
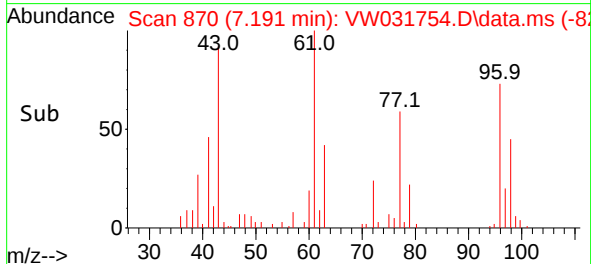
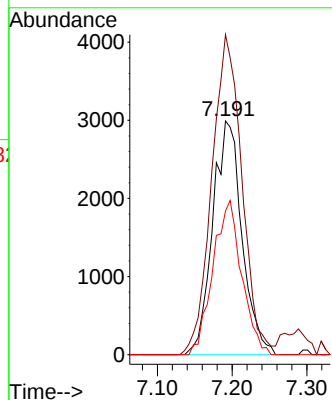
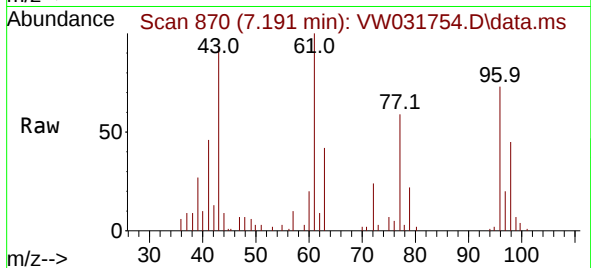
Tgt Ion: 96 Resp: 8127

Ion Ratio Lower Upper

96 100

61 141.4 0.0 286.8

98 64.9 0.0 130.4



#28

Bromochloromethane

Concen: 2.756 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

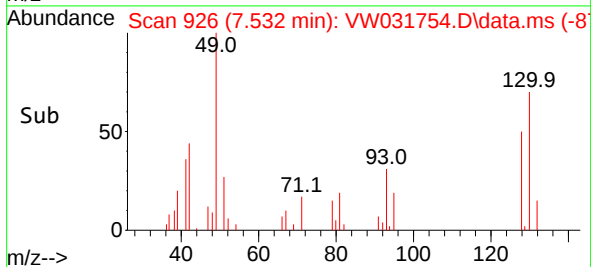
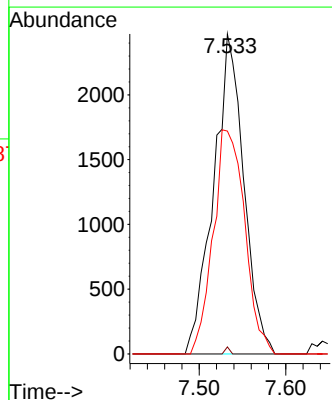
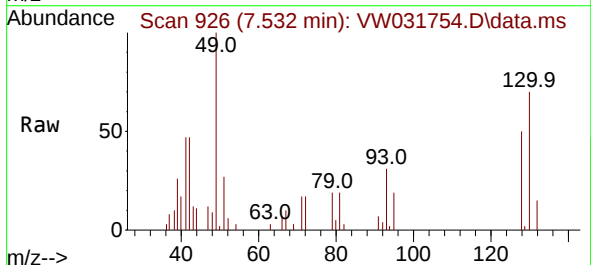
Tgt Ion: 49 Resp: 5992

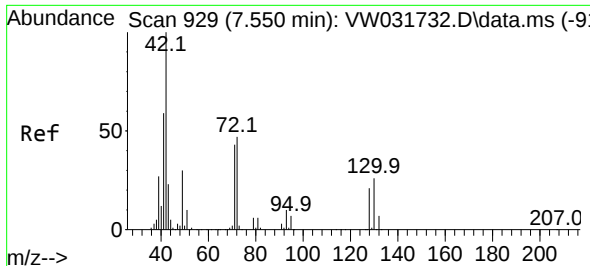
Ion Ratio Lower Upper

49 100

129 0.3 0.0 2.4

130 73.1 61.3 91.9





#29

Tetrahydrofuran

Concen: 12.933 ug/l

RT: 7.557 min Scan# 91

Delta R.T. 0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

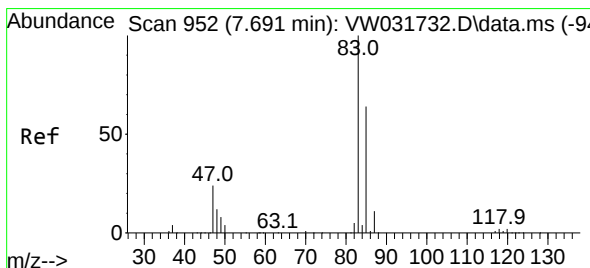
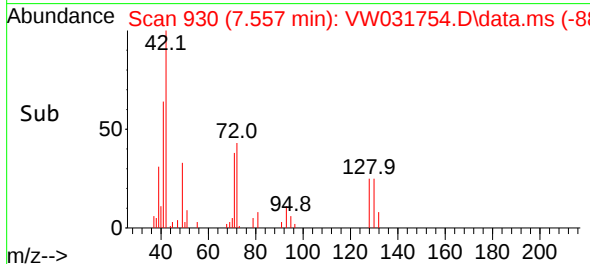
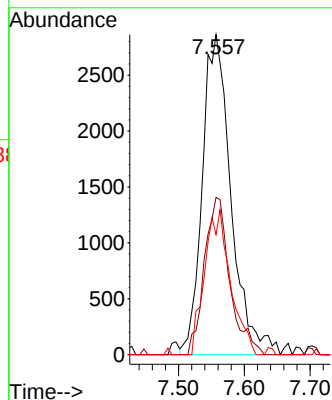
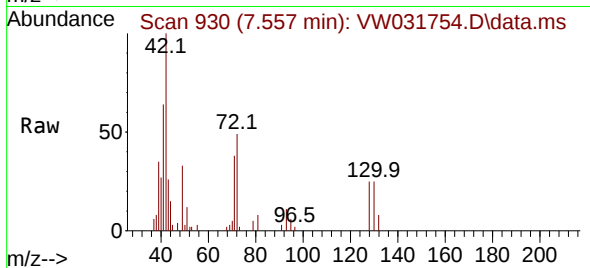
Tgt Ion: 42 Resp: 8710

Ion Ratio Lower Upper

42 100

72 43.4 36.8 55.2

71 40.6 34.6 52.0



#30

Chloroform

Concen: 2.782 ug/l

RT: 7.697 min Scan# 953

Delta R.T. 0.006 min

Lab File: VW031754.D

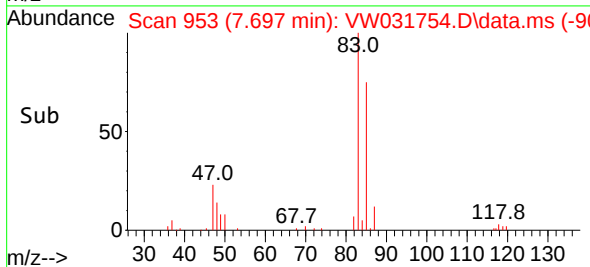
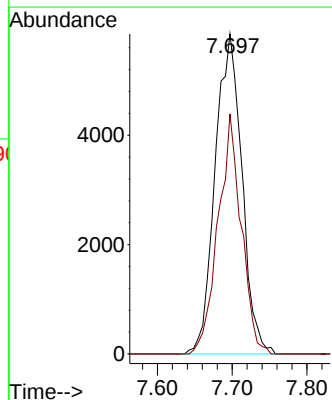
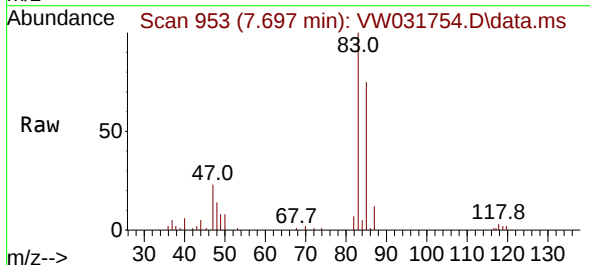
Acq: 02 Jul 2025 13:00

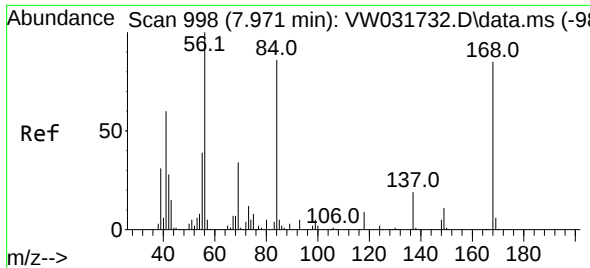
Tgt Ion: 83 Resp: 14561

Ion Ratio Lower Upper

83 100

85 75.0 51.4 77.0

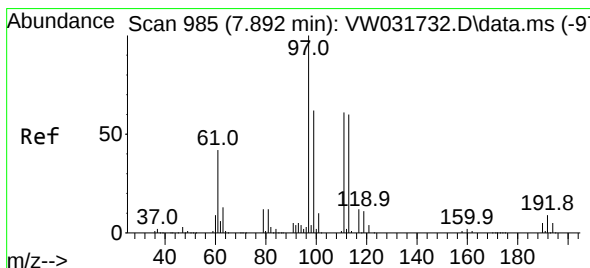
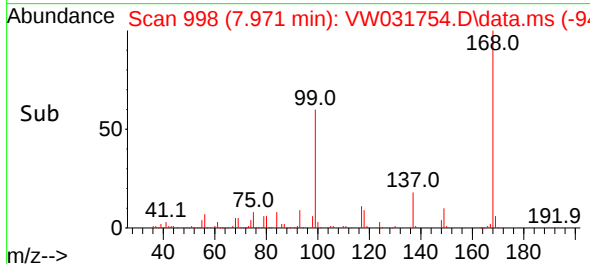
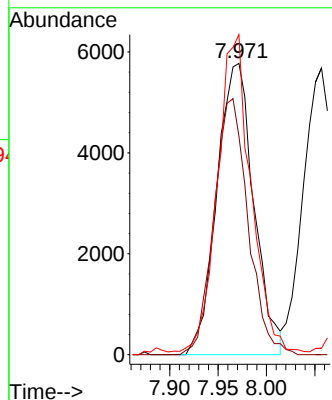
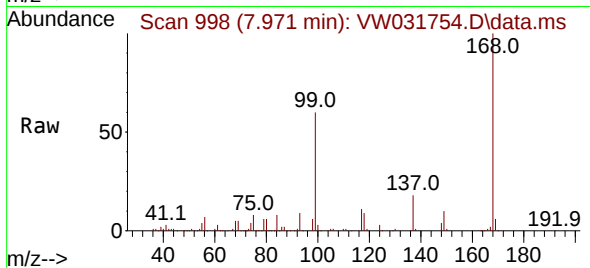




#31  
Cyclohexane  
Concen: 3.512 ug/l  
RT: 7.971 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

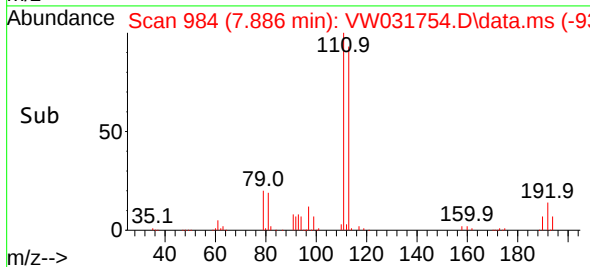
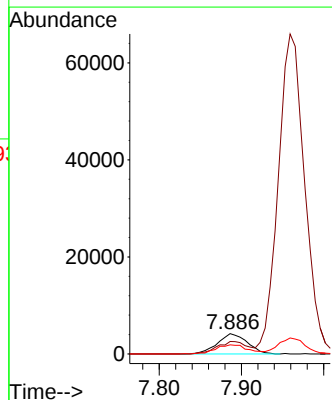
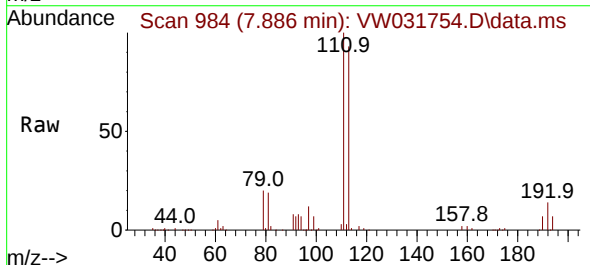
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

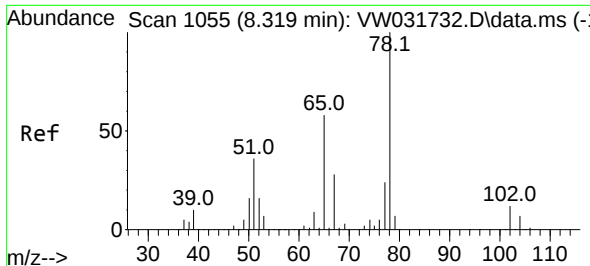
Tgt Ion: 56 Resp: 15293  
Ion Ratio Lower Upper  
56 100  
69 75.0 27.2 40.8#  
84 108.7 68.5 102.7#



#32  
1,1,1-Trichloroethane  
Concen: 2.613 ug/l  
RT: 7.886 min Scan# 984  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 97 Resp: 10540  
Ion Ratio Lower Upper  
97 100  
99 63.7 51.0 76.6  
61 49.6 36.0 54.0

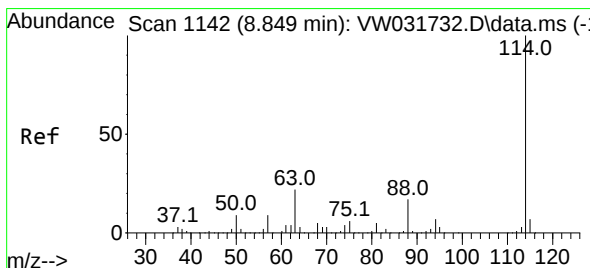
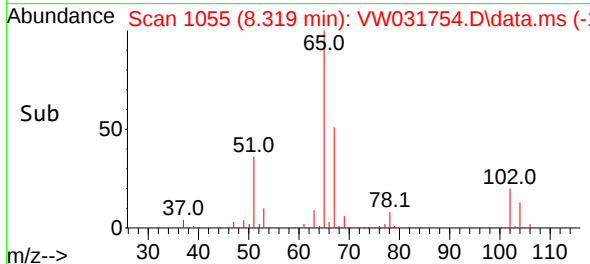
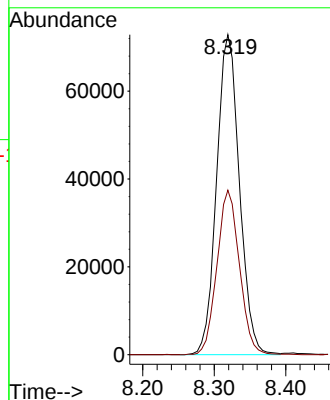
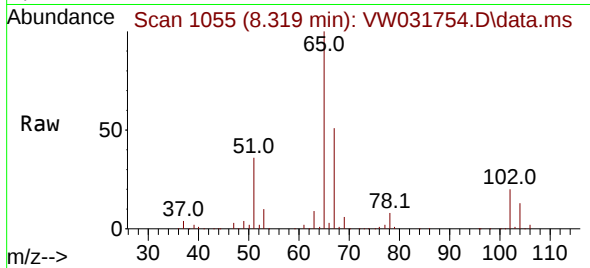




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.768 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

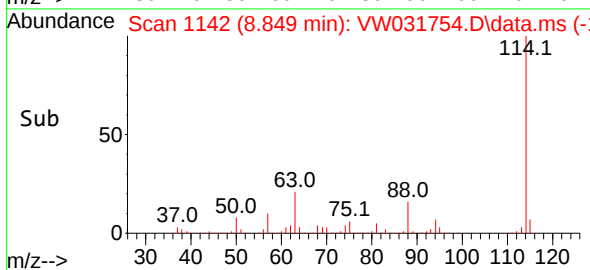
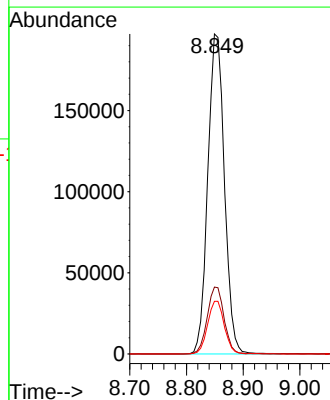
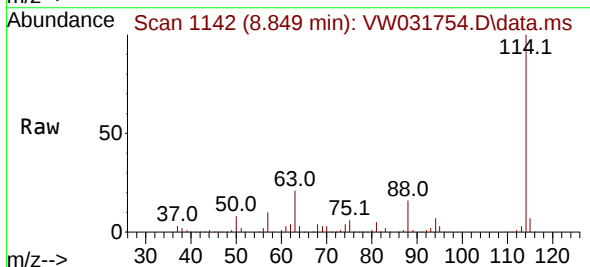
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

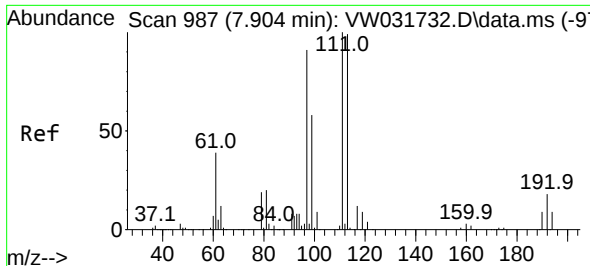
Tgt Ion: 65 Resp: 161379  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 99.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.849 min Scan# 1142  
 Delta R.T. 0.000 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion: 114 Resp: 402196  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 43.6  
 88 16.4 0.0 34.2

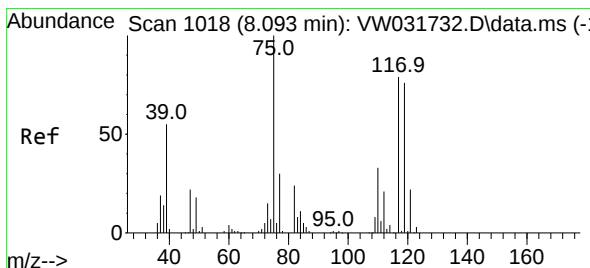
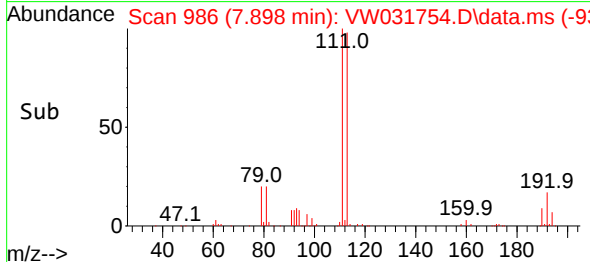
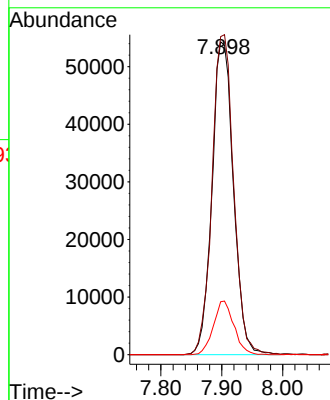
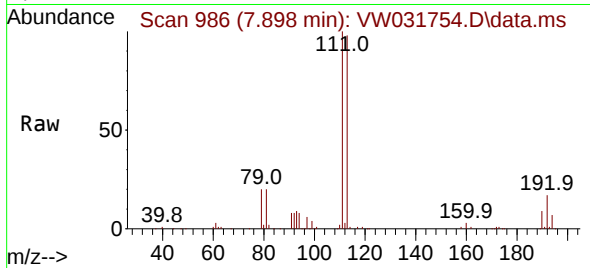




#35  
 Dibromofluoromethane  
 Concen: 50.490 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

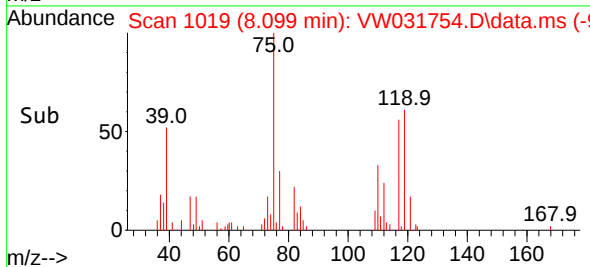
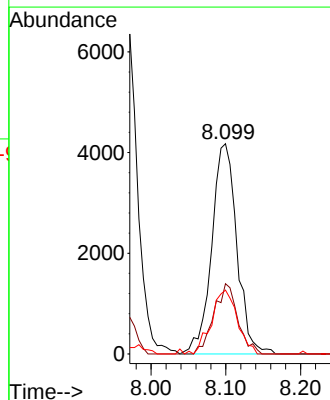
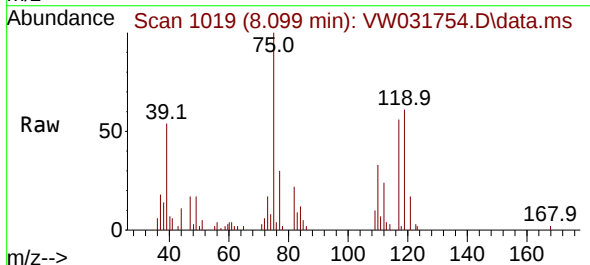
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

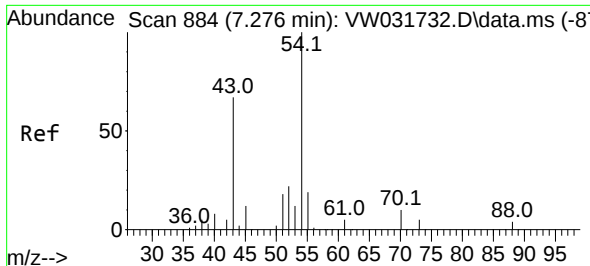
Tgt Ion:113 Resp: 132512  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.1 123.1  
 192 16.4 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 2.580 ug/l  
 RT: 8.099 min Scan# 1019  
 Delta R.T. 0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion: 75 Resp: 9797  
 Ion Ratio Lower Upper  
 75 100  
 110 31.7 16.8 50.4  
 77 30.9 25.0 37.6

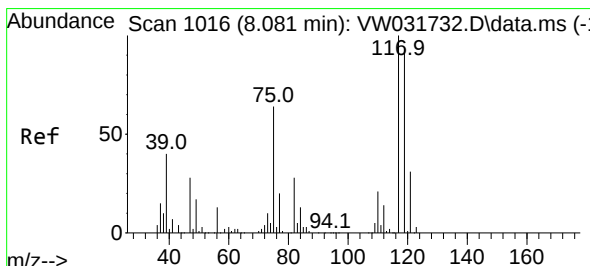
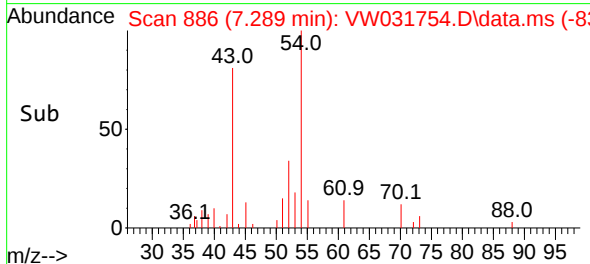
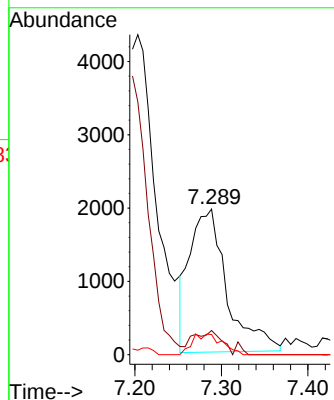
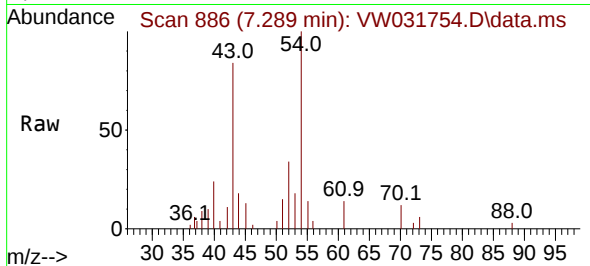




#37  
Ethyl Acetate  
Concen: 2.435 ug/l  
RT: 7.289 min Scan# 884  
Delta R.T. 0.013 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

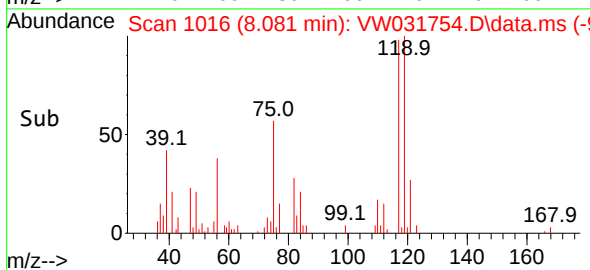
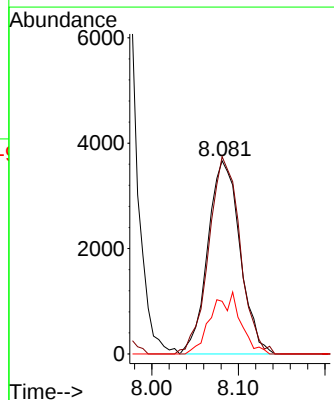
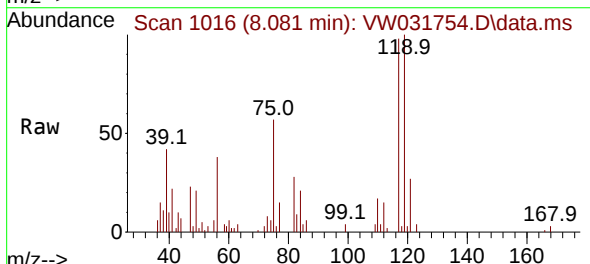
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

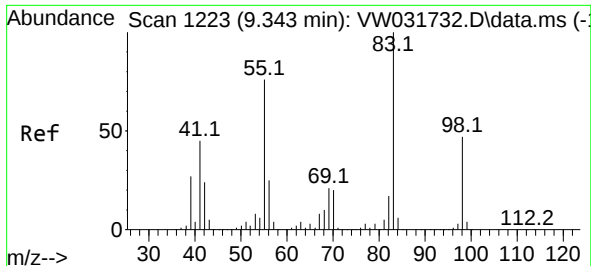
|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 5834     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 12.3 10.9 16.3 |
| 70          | 11.5 9.2 13.8  |



#38  
Carbon Tetrachloride  
Concen: 2.448 ug/l  
RT: 8.081 min Scan# 1016  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

|              |                  |
|--------------|------------------|
| Tgt Ion: 117 | Resp: 9473       |
| Ion Ratio    | Lower Upper      |
| 117          | 100              |
| 119          | 102.2 75.0 112.6 |
| 121          | 27.3 24.6 37.0   |





#39

Methylcyclohexane

Concen: 2.442 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

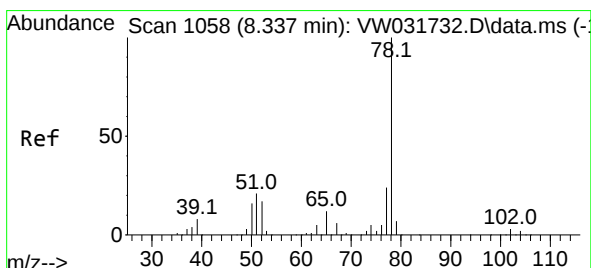
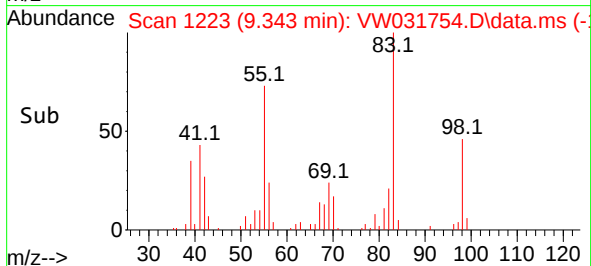
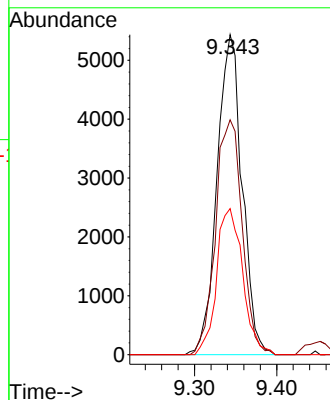
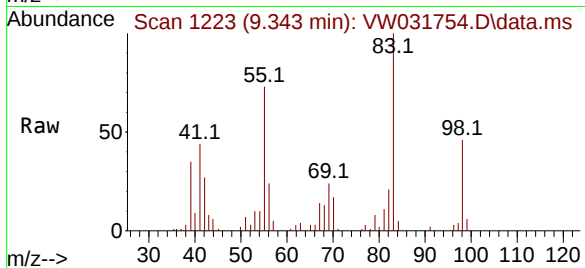
Tgt Ion: 83 Resp: 11539

Ion Ratio Lower Upper

83 100

55 73.4 61.0 91.4

98 45.7 37.9 56.9



#40

Benzene

Concen: 2.570 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031754.D

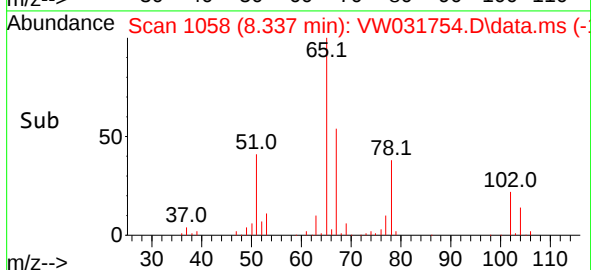
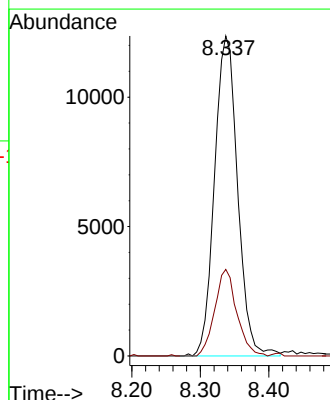
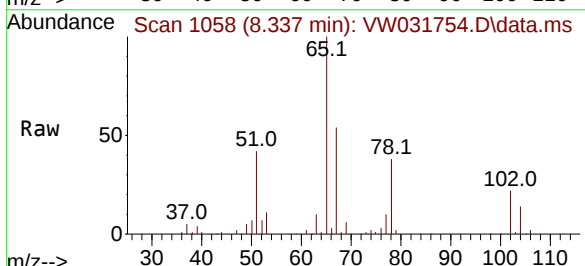
Acq: 02 Jul 2025 13:00

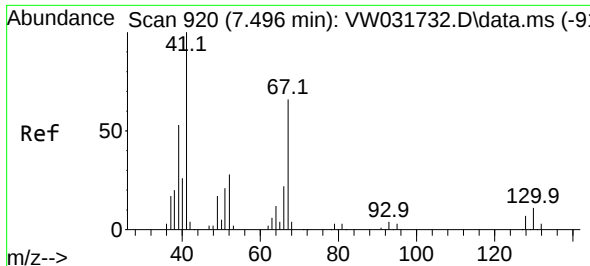
Tgt Ion: 78 Resp: 28880

Ion Ratio Lower Upper

78 100

77 27.0 19.2 28.8

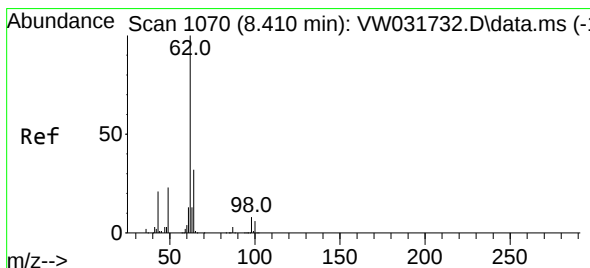
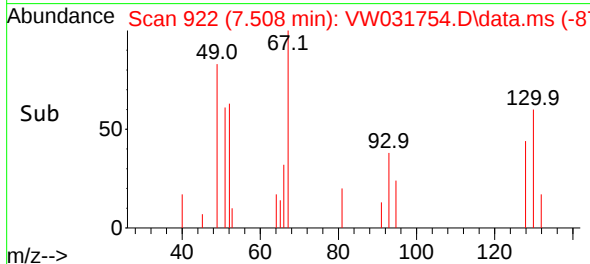
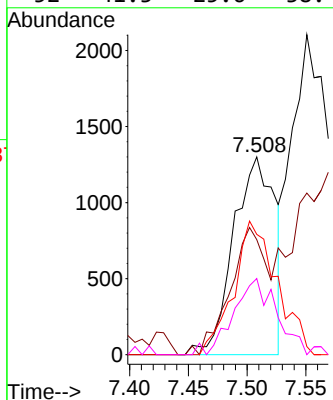
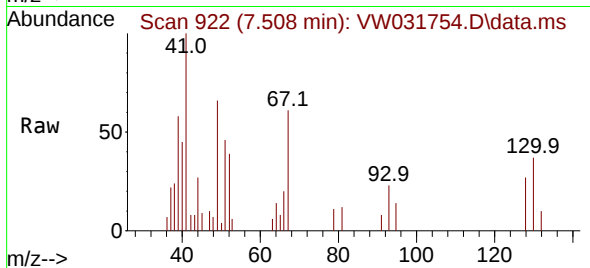




#41  
Methacrylonitrile  
Concen: 2.485 ug/l  
RT: 7.508 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

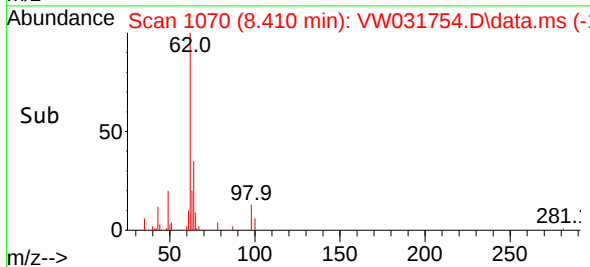
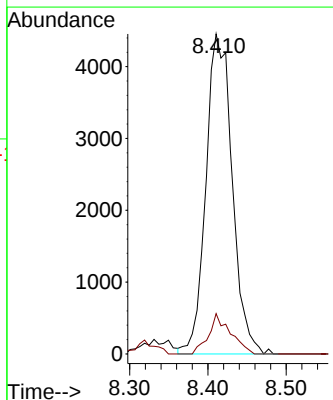
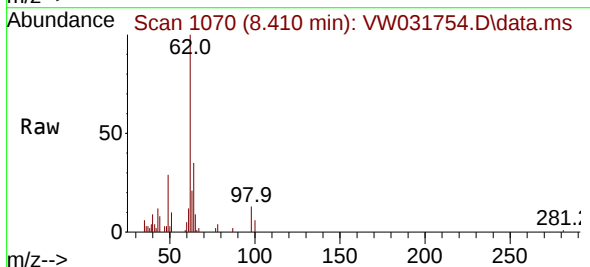
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

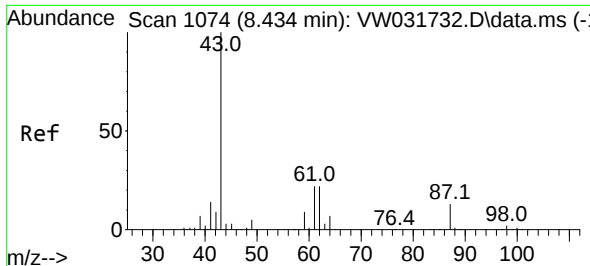
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 3189  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.9  | 43.2  | 64.8  |
| 67       | 70.5  | 58.1  | 87.1  |
| 52       | 41.3  | 25.6  | 38.4  |



#42  
1,2-Dichloroethane  
Concen: 2.737 ug/l  
RT: 8.410 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 10390 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.4  | 0.0   | 17.2  |

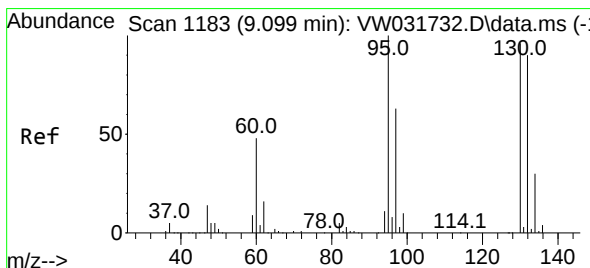
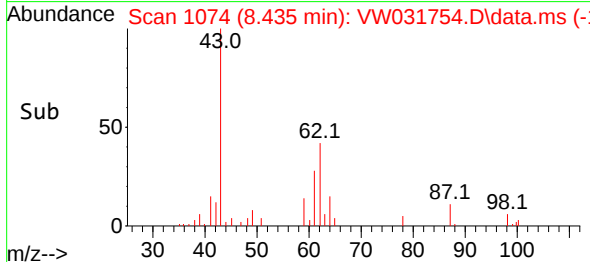
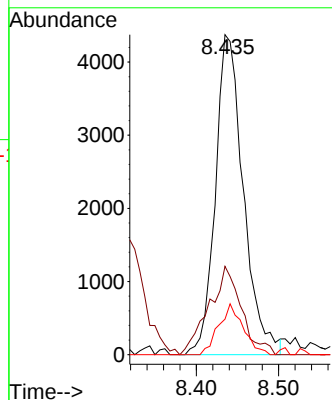
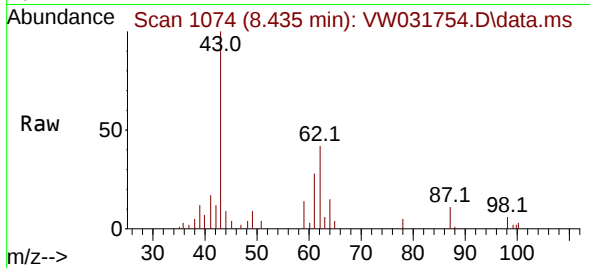




#43  
Isopropyl Acetate  
Concen: 2.509 ug/l  
RT: 8.435 min Scan# 1074  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

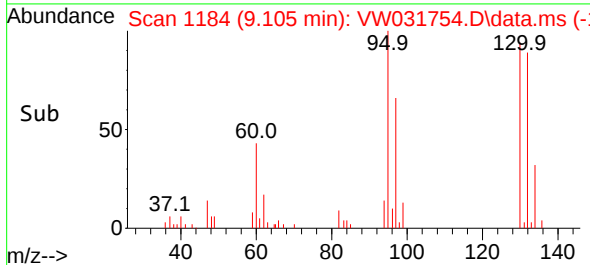
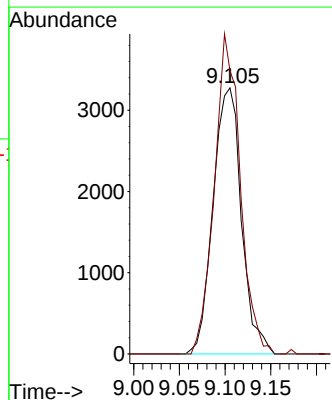
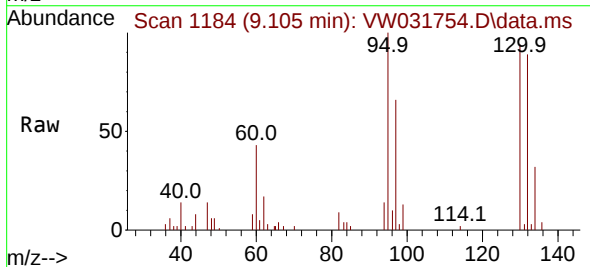
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

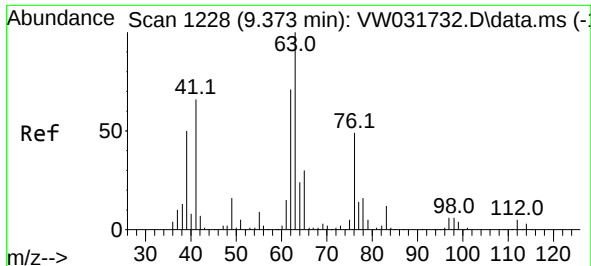
Tgt Ion: 43 Resp: 10362  
Ion Ratio Lower Upper  
43 100  
61 32.0 23.1 34.7  
87 13.9 10.8 16.2



#44  
Trichloroethene  
Concen: 2.525 ug/l  
RT: 9.105 min Scan# 1184  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 130 Resp: 7080  
Ion Ratio Lower Upper  
130 100  
95 106.5 0.0 208.6

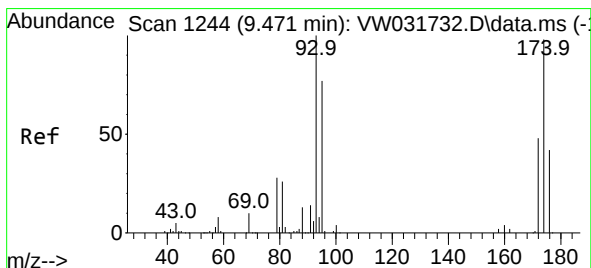
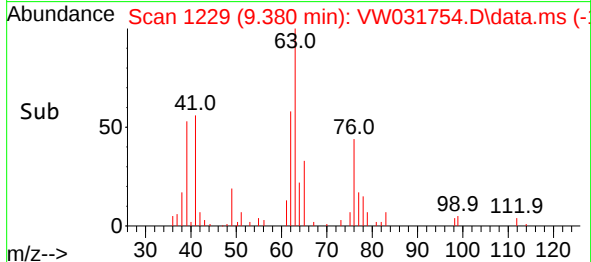
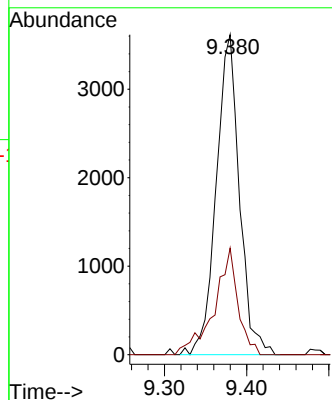
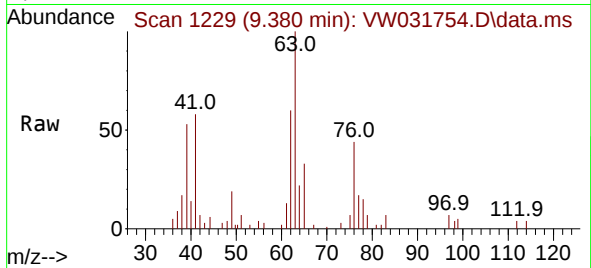




#45  
1,2-Dichloropropane  
Concen: 2.609 ug/l  
RT: 9.380 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

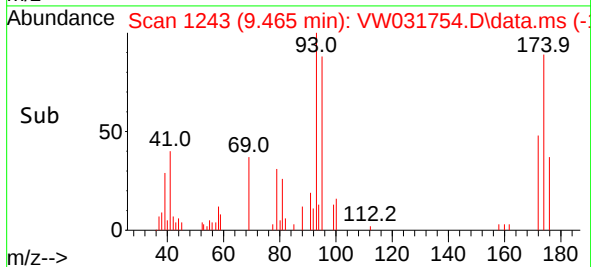
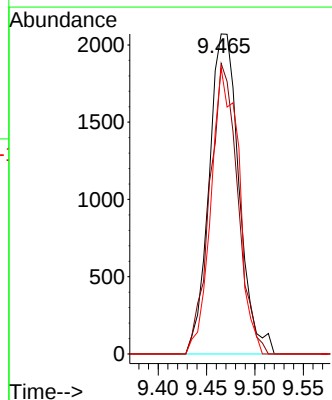
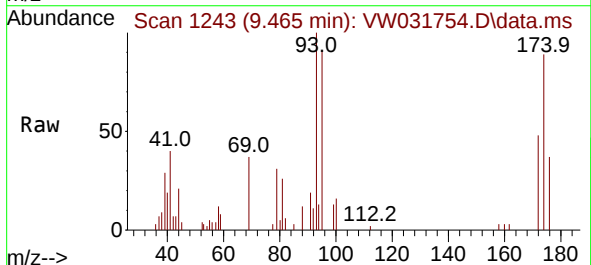
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

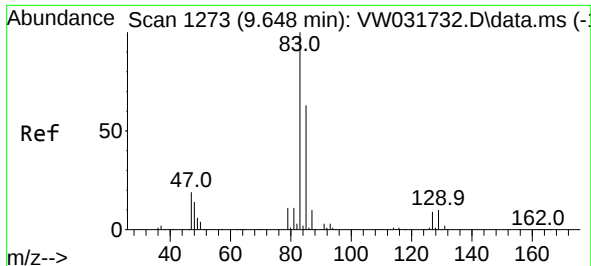
Tgt Ion: 63 Resp: 7086  
Ion Ratio Lower Upper  
63 100  
65 33.3 24.2 36.4



#46  
Dibromomethane  
Concen: 2.543 ug/l  
RT: 9.465 min Scan# 1243  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 93 Resp: 4458  
Ion Ratio Lower Upper  
93 100  
95 85.1 67.0 100.4  
174 82.8 71.7 107.5





#47

Bromodichloromethane

Concen: 2.477 ug/l

RT: 9.654 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

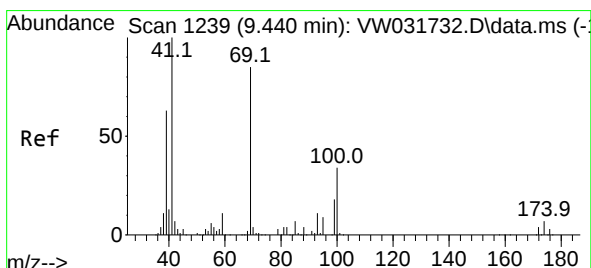
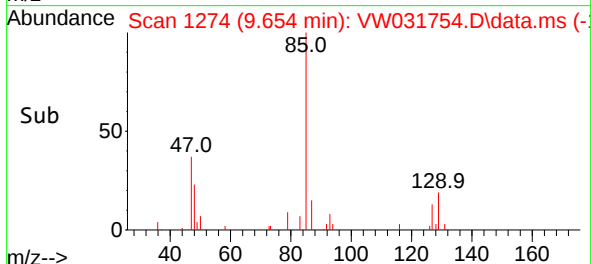
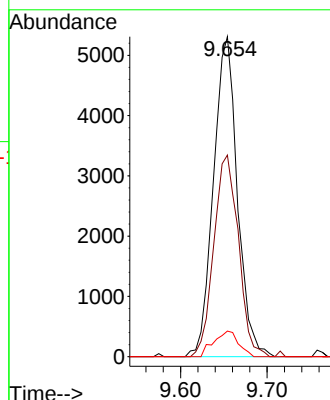
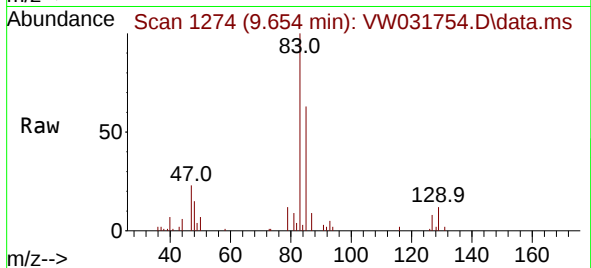
Instrument :

MSVOA\_W

ClientSampleId :

MDL04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 10184 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 63.0  | 50.8  | 76.2  |
| 127      | 8.0   | 6.8   | 10.2  |



#48

Methyl methacrylate

Concen: 2.036 ug/l

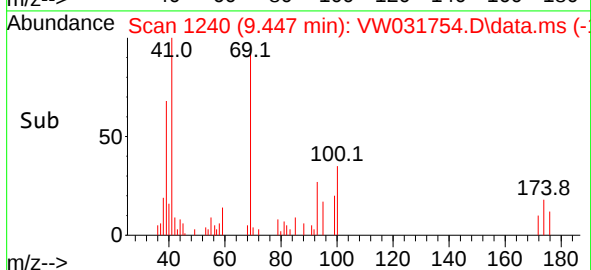
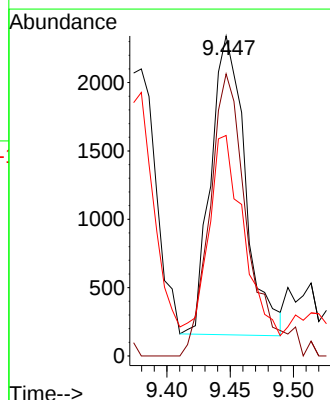
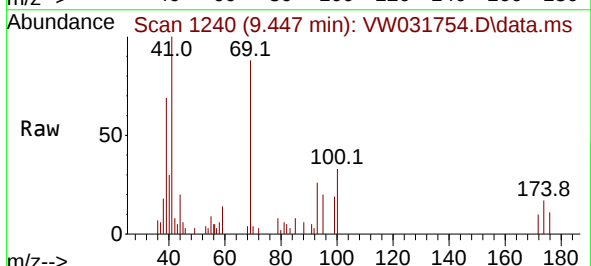
RT: 9.447 min Scan# 1240

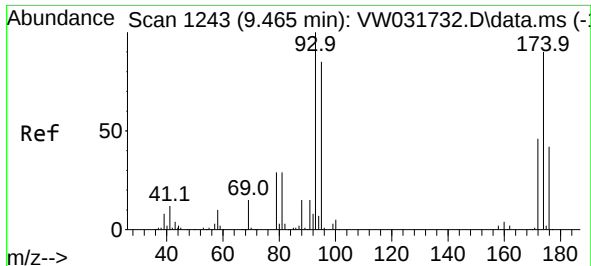
Delta R.T. 0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 4135  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 104.2 | 71.6  | 107.4 |
| 39       | 76.1  | 49.5  | 74.3  |





#49

1,4-Dioxane

Concen: 34.090 ug/l

RT: 9.483 min Scan# 11

Delta R.T. 0.019 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

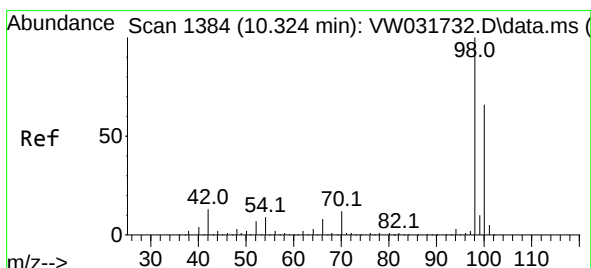
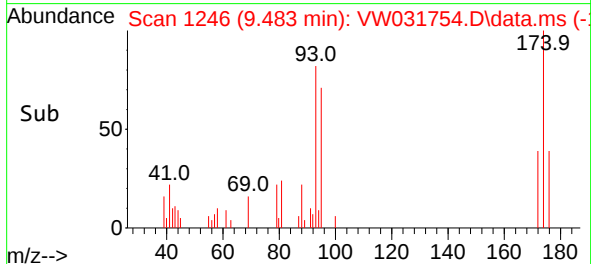
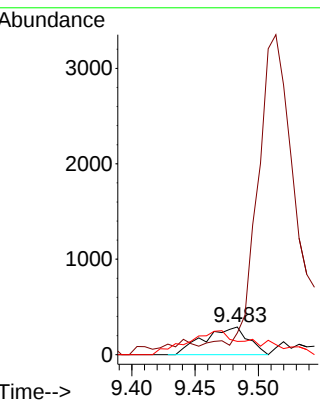
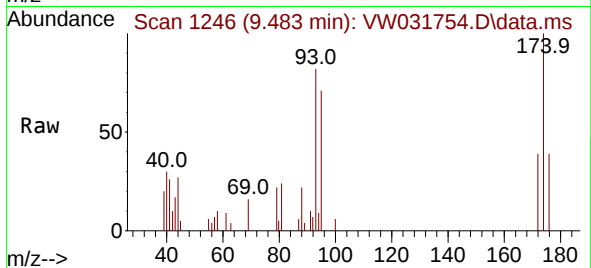
Tgt Ion: 88 Resp: 700

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 135.4 58.3 87.5#



#50

Toluene-d8

Concen: 49.166 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031754.D

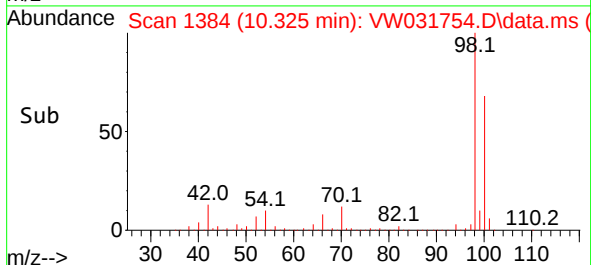
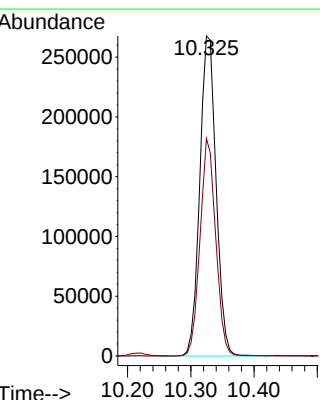
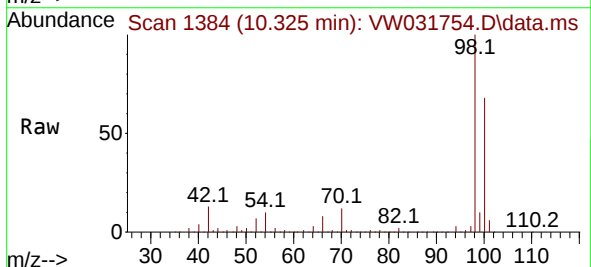
Acq: 02 Jul 2025 13:00

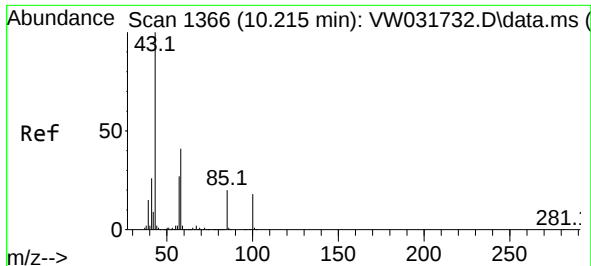
Tgt Ion: 98 Resp: 480196

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4

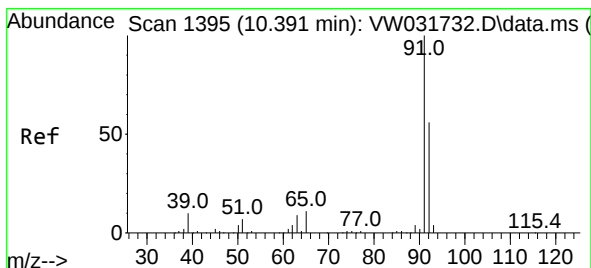
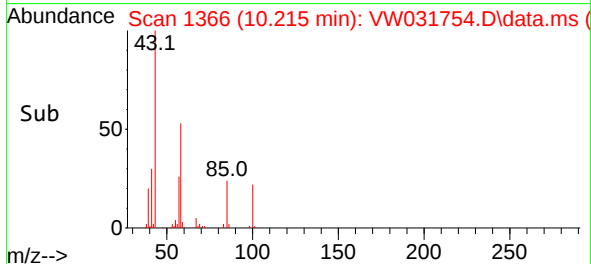
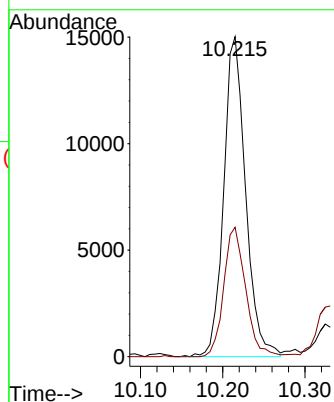
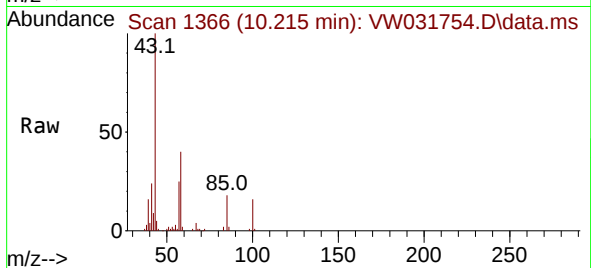




#51  
4-Methyl-2-Pentanone  
Concen: 11.713 ug/l  
RT: 10.215 min Scan# 1366  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

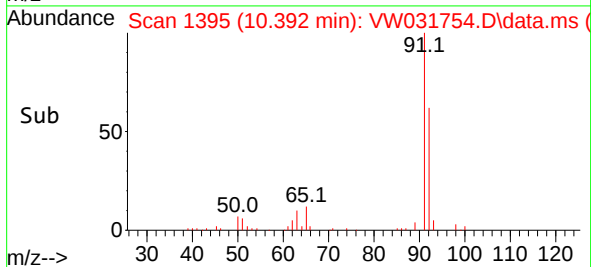
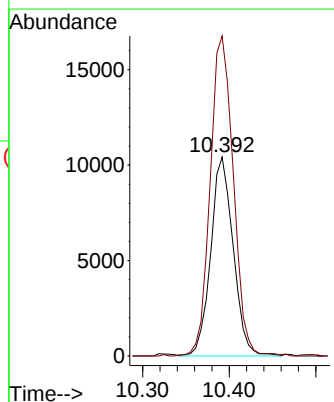
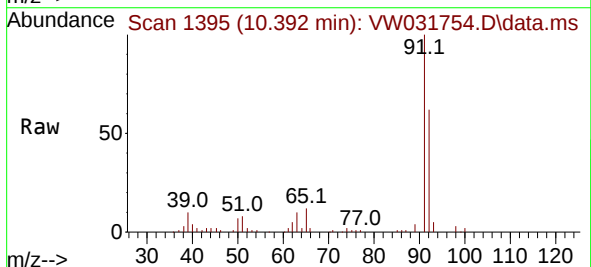
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

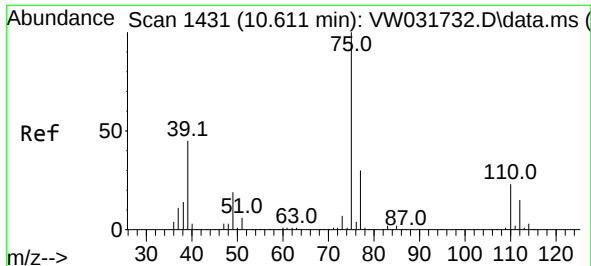
Tgt Ion: 43 Resp: 27810  
Ion Ratio Lower Upper  
43 100  
58 40.6 32.2 48.2



#52  
Toluene  
Concen: 2.611 ug/l  
RT: 10.392 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 92 Resp: 18784  
Ion Ratio Lower Upper  
92 100  
91 165.8 139.5 209.3

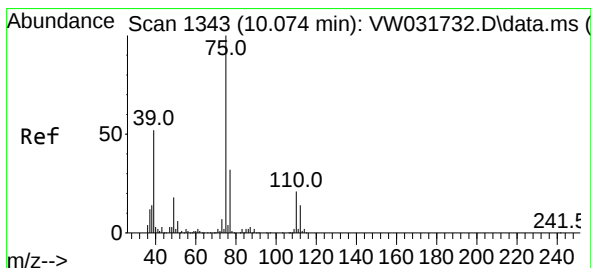
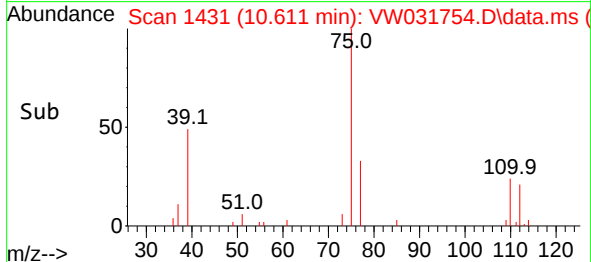
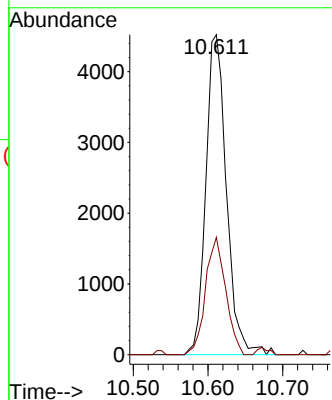
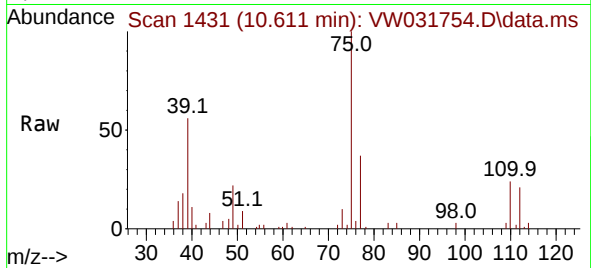




#53  
t-1,3-Dichloropropene  
Concen: 2.248 ug/l  
RT: 10.611 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

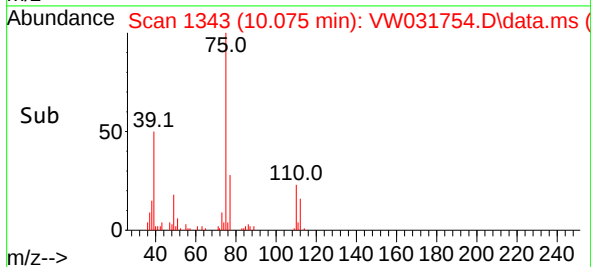
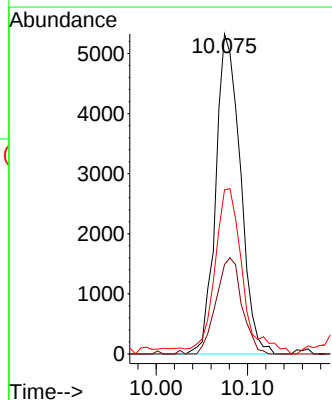
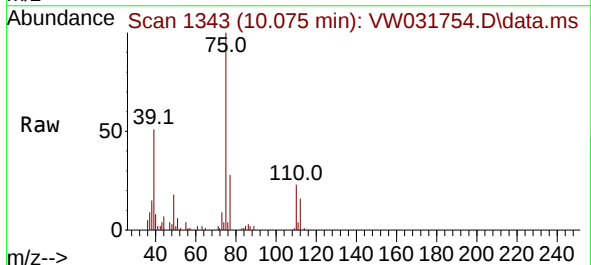
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

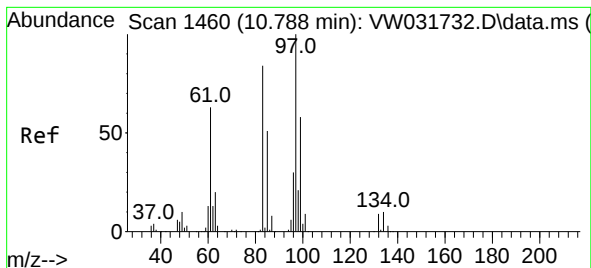
Tgt Ion: 75 Resp: 8673  
Ion Ratio Lower Upper  
75 100  
77 36.6 24.3 36.5#



#54  
cis-1,3-Dichloropropene  
Concen: 2.277 ug/l  
RT: 10.075 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 75 Resp: 9955  
Ion Ratio Lower Upper  
75 100  
77 28.0 25.4 38.2  
39 49.7 41.8 62.6

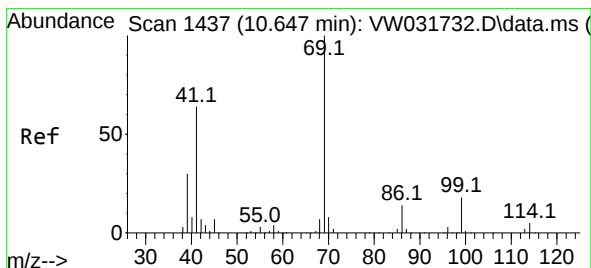
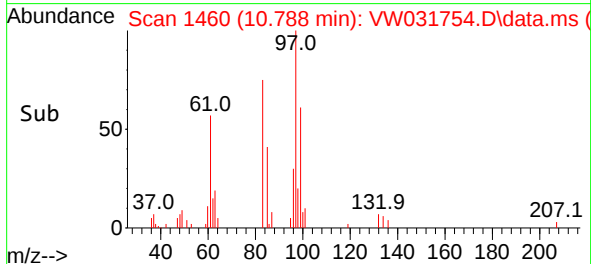
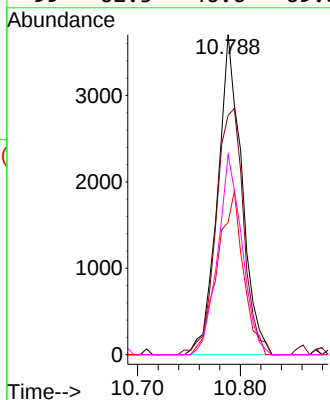
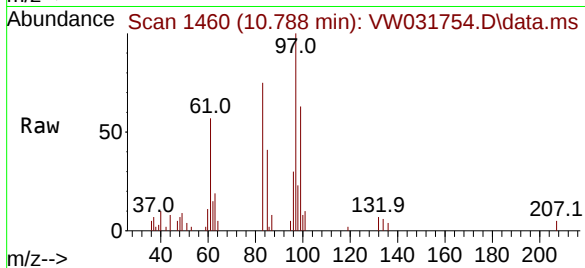




#55  
1,1,2-Trichloroethane  
Concen: 2.636 ug/l  
RT: 10.788 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

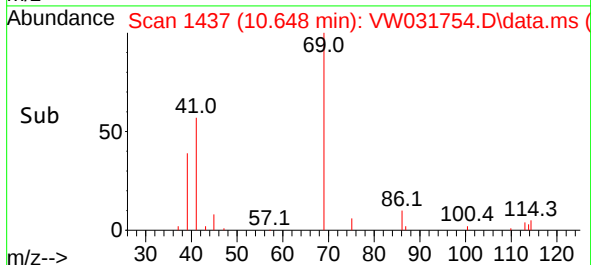
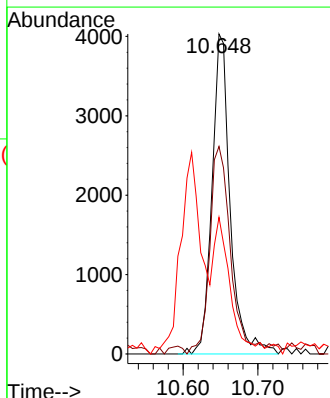
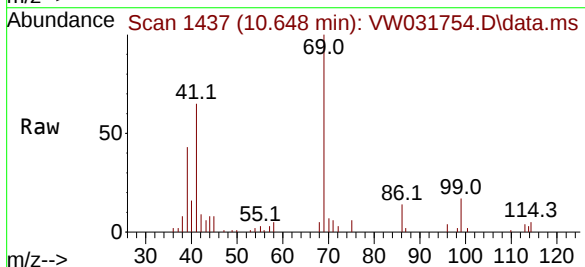
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

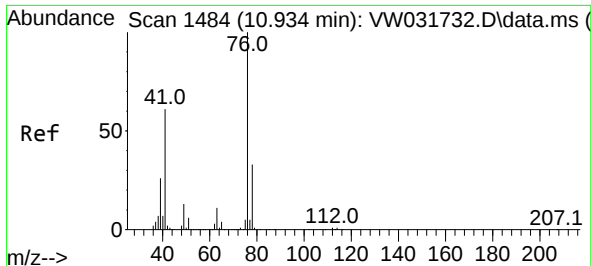
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 6054  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 74.8  | 66.9  | 100.3 |
| 85       | 41.4  | 41.1  | 61.7  |
| 99       | 62.5  | 46.6  | 69.8  |



#56  
Ethyl methacrylate  
Concen: 2.194 ug/l  
RT: 10.648 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 6835  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 74.1  | 53.3  | 79.9  |
| 39       | 36.6  | 30.2  | 45.2  |





#57

1,3-Dichloropropane

Concen: 2.567 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

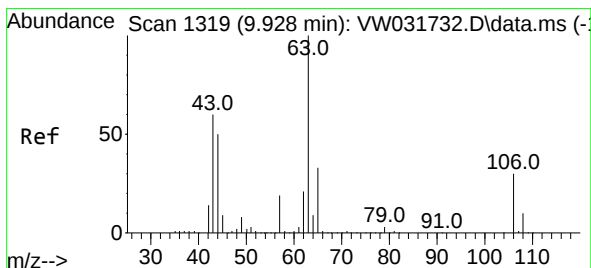
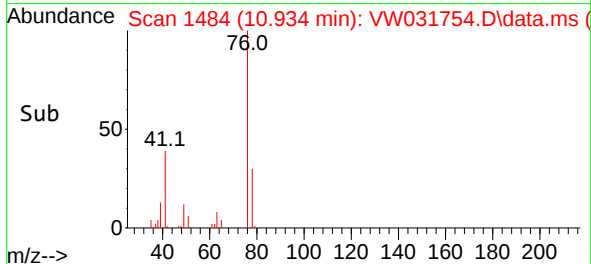
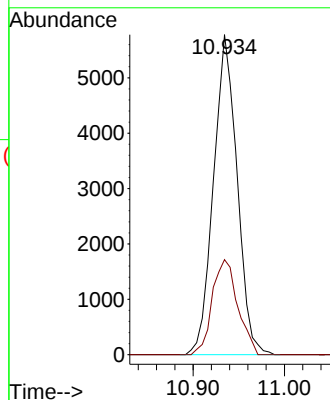
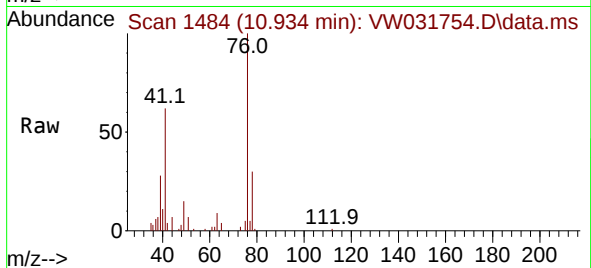
MDL04

Tgt Ion: 76 Resp: 10351

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 11.236 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031754.D

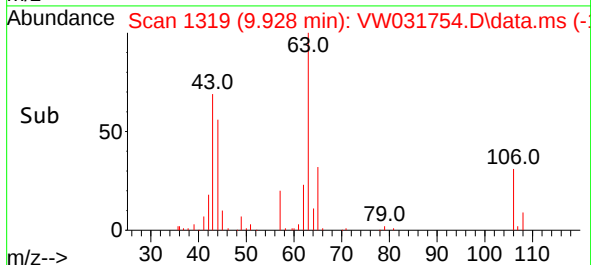
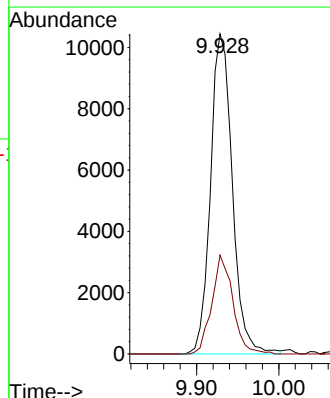
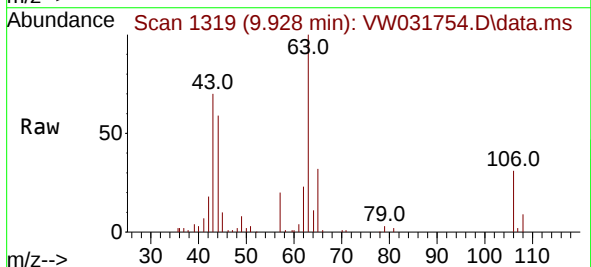
Acq: 02 Jul 2025 13:00

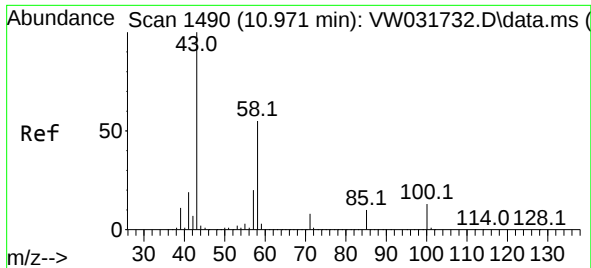
Tgt Ion: 63 Resp: 19277

Ion Ratio Lower Upper

63 100

106 29.8 24.1 36.1

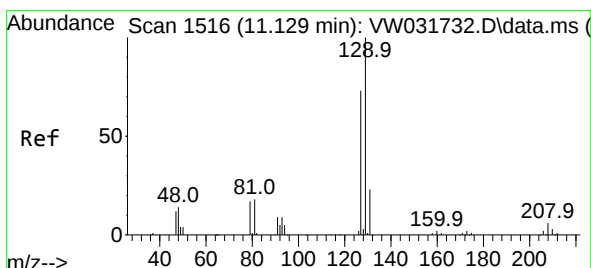
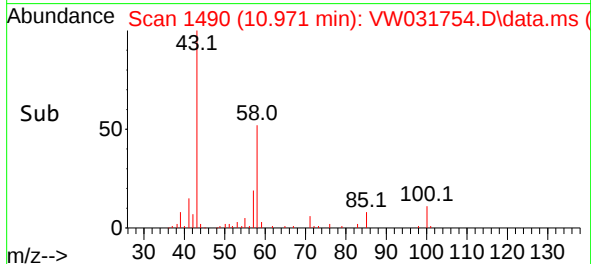
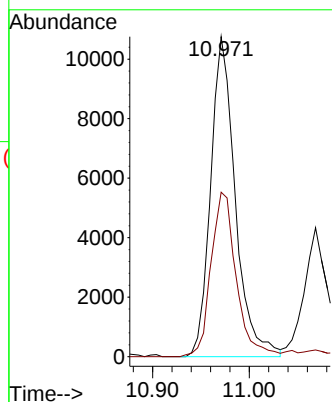
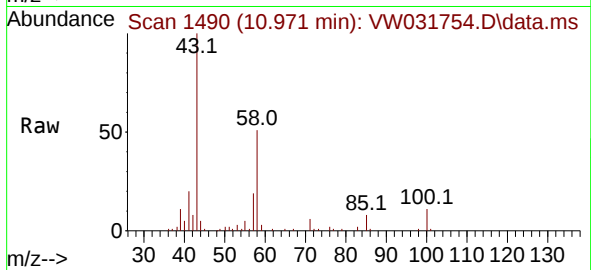




#59  
2-Hexanone  
Concen: 11.831 ug/l  
RT: 10.971 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

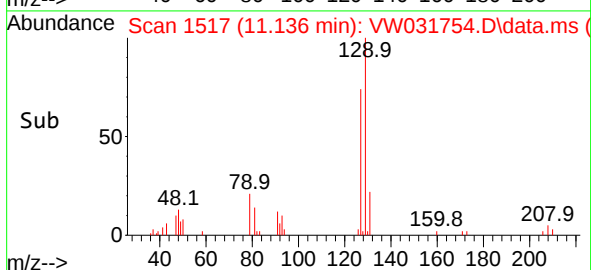
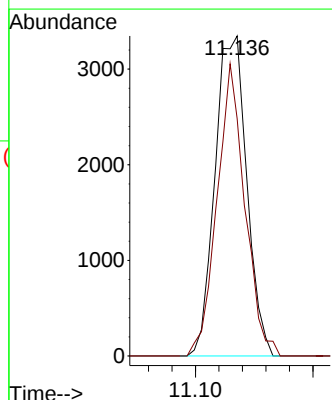
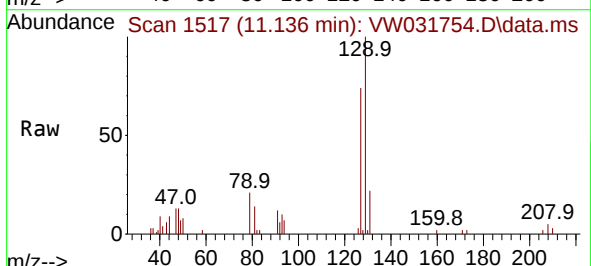
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

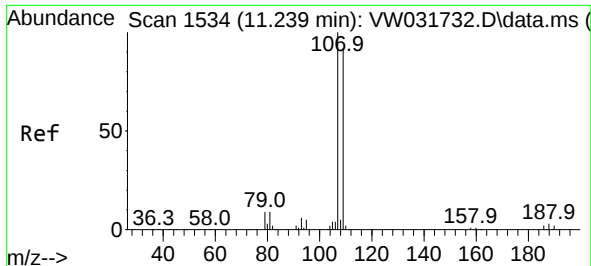
Tgt Ion: 43 Resp: 19035  
Ion Ratio Lower Upper  
43 100  
58 52.6 27.9 83.6



#60  
Dibromochloromethane  
Concen: 2.289 ug/l  
RT: 11.136 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 129 Resp: 6287  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.0 114.1

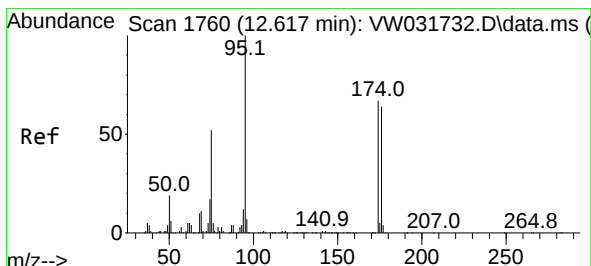
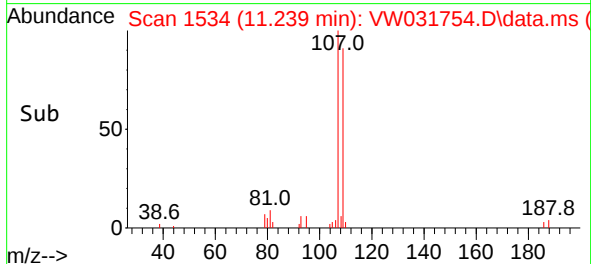
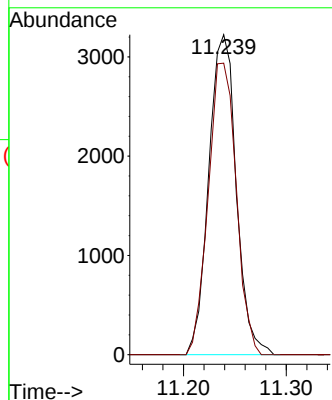
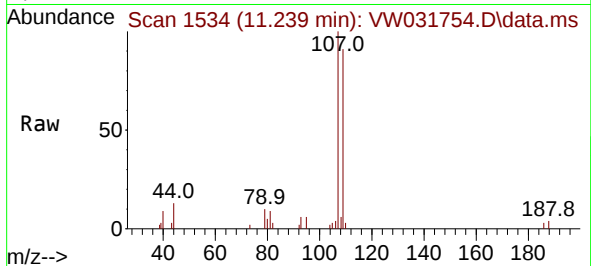




#61  
1,2-Dibromoethane  
Concen: 2.601 ug/l  
RT: 11.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

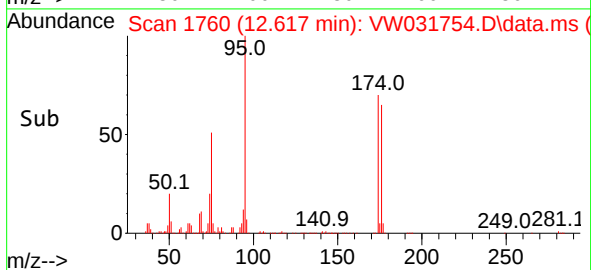
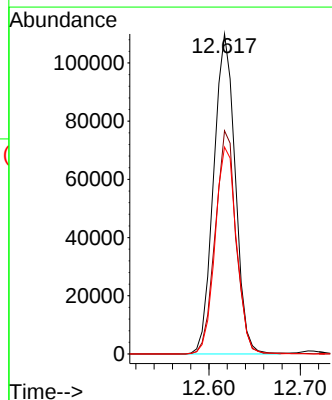
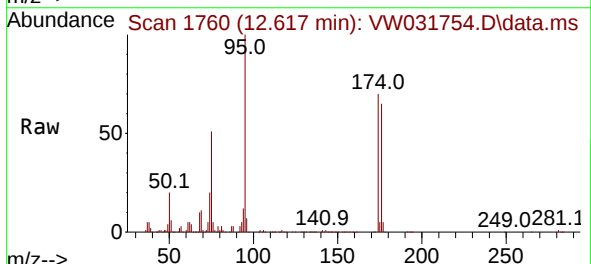
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

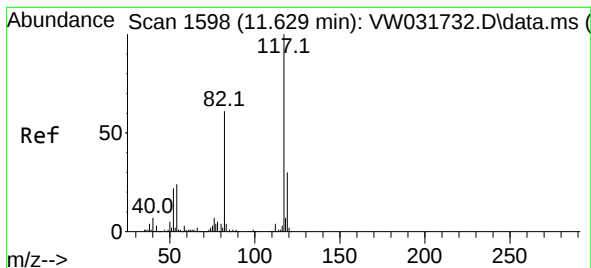
Tgt Ion:107 Resp: 5980  
Ion Ratio Lower Upper  
107 100  
109 92.7 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 50.062 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 95 Resp: 179932  
Ion Ratio Lower Upper  
95 100  
174 67.7 0.0 133.8  
176 64.6 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

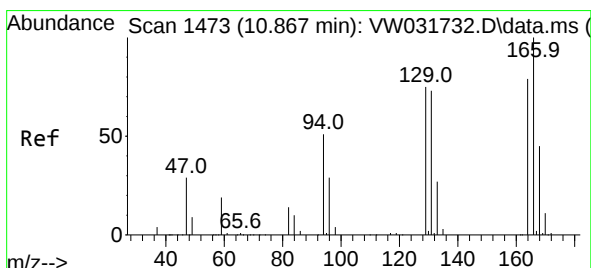
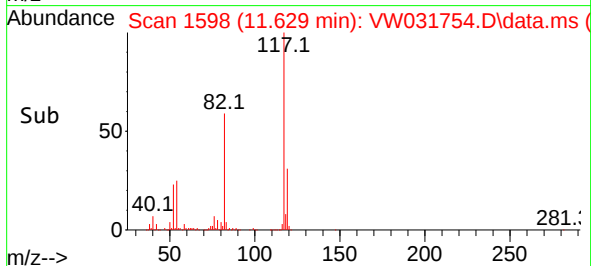
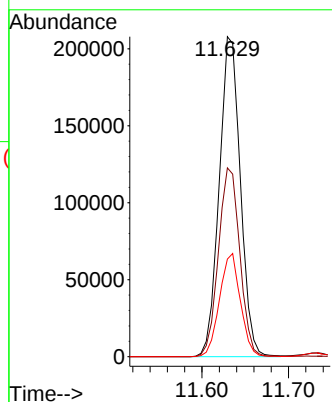
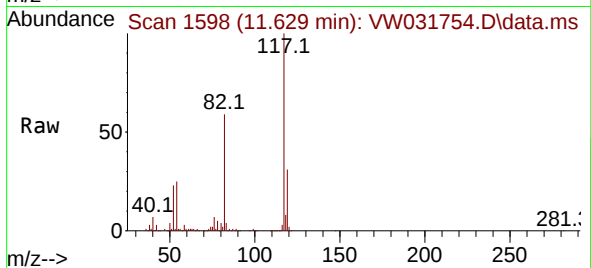
Tgt Ion:117 Resp: 352706

Ion Ratio Lower Upper

117 100

82 59.0 48.6 72.8

119 30.5 23.9 35.9



#64

Tetrachloroethene

Concen: 2.531 ug/l

RT: 10.867 min Scan# 1473

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Tgt Ion:164 Resp: 5840

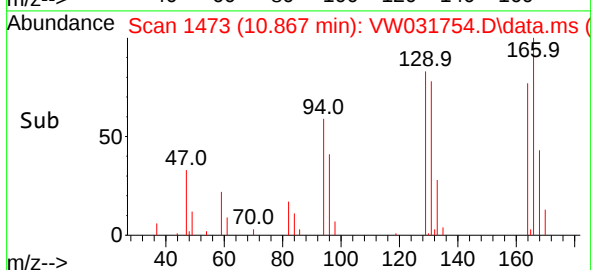
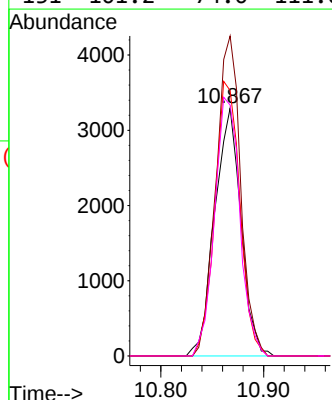
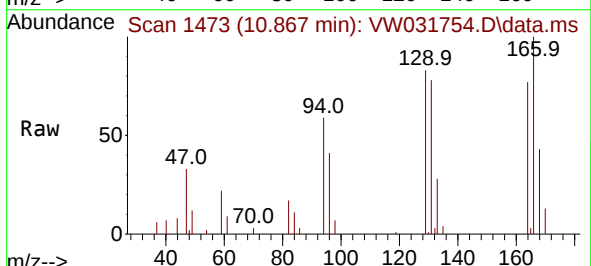
Ion Ratio Lower Upper

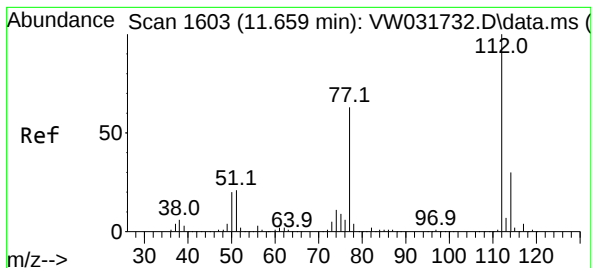
164 100

166 129.1 100.7 151.1

129 107.1 75.4 113.0

131 101.2 74.0 111.0





#65

Chlorobenzene

Concen: 2.565 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

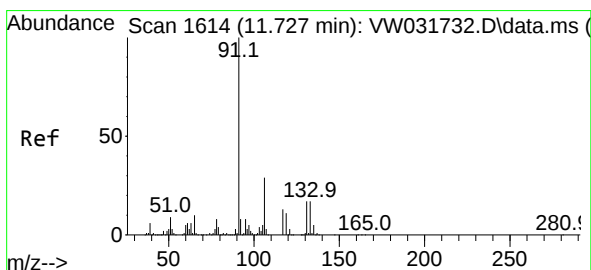
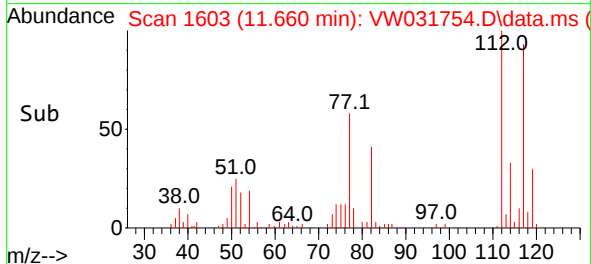
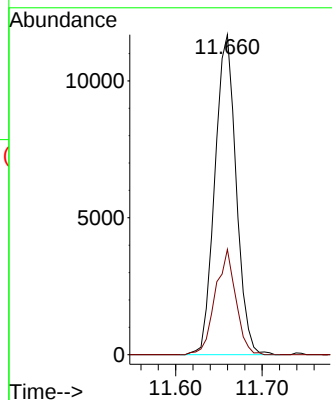
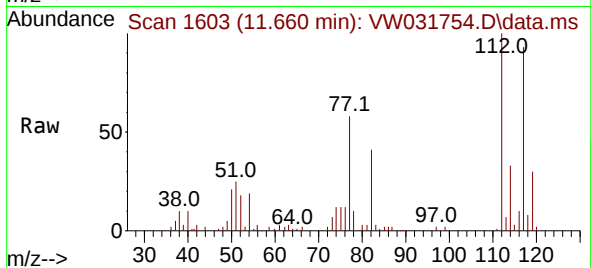
MDL04

Tgt Ion:112 Resp: 19960

Ion Ratio Lower Upper

112 100

114 32.9 23.8 35.8



#66

1,1,1,2-Tetrachloroethane

Concen: 2.446 ug/l

RT: 11.727 min Scan# 1614

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

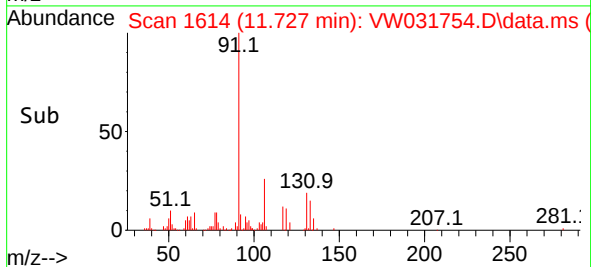
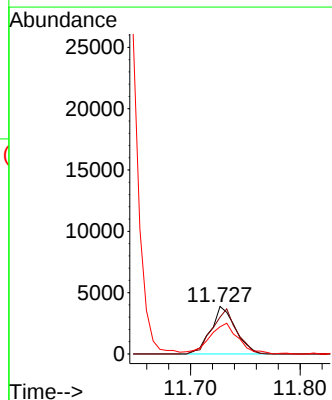
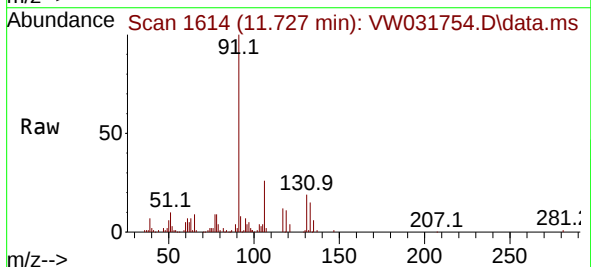
Tgt Ion:131 Resp: 6065

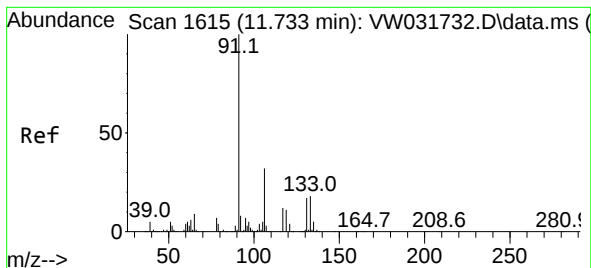
Ion Ratio Lower Upper

131 100

133 94.7 48.5 145.6

119 75.8 32.5 97.5





#67

Ethyl Benzene

Concen: 2.503 ug/l

RT: 11.727 min Scan# 1

Delta R.T. -0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

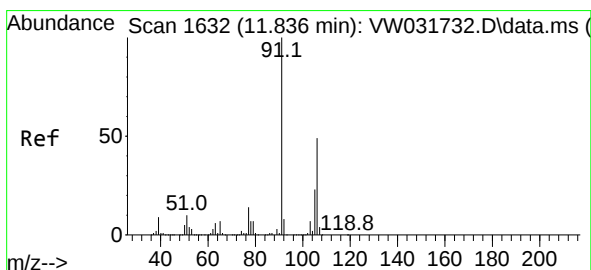
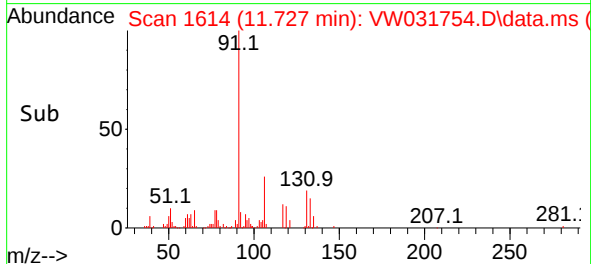
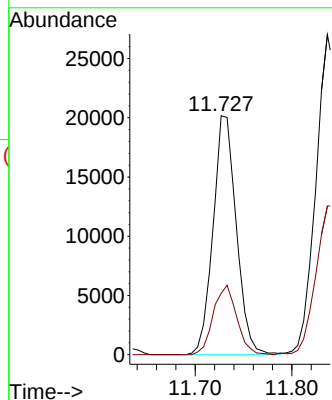
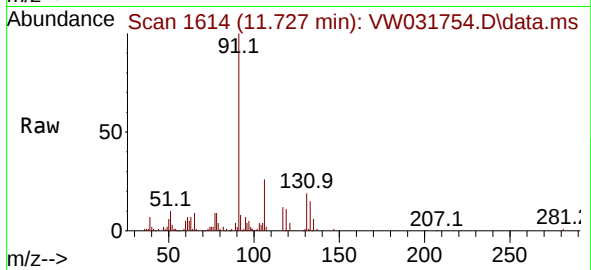
MDL04

Tgt Ion: 91 Resp: 33779

Ion Ratio Lower Upper

91 100

106 25.6 25.4 38.2



#68

m/p-Xylenes

Concen: 4.740 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW031754.D

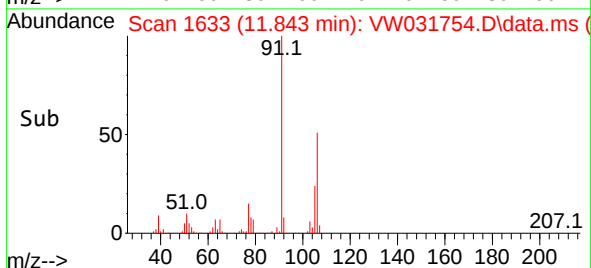
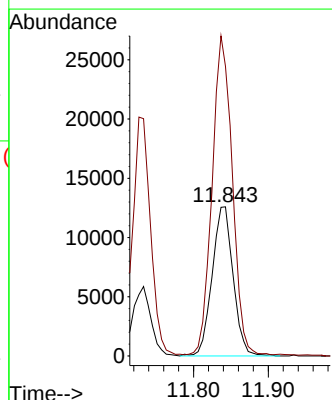
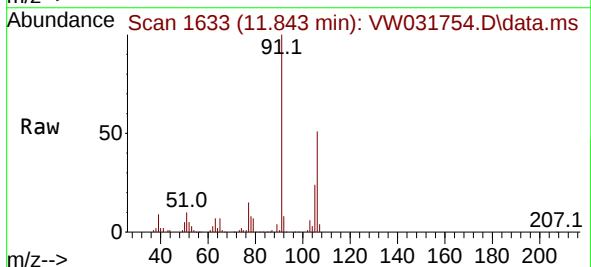
Acq: 02 Jul 2025 13:00

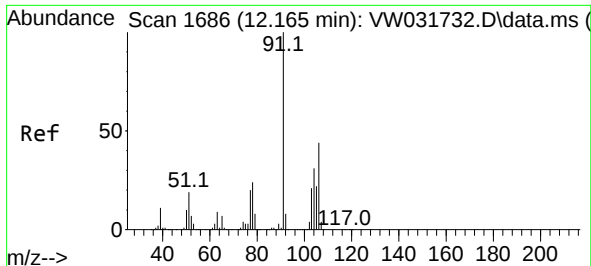
Tgt Ion:106 Resp: 24589

Ion Ratio Lower Upper

106 100

91 204.9 166.4 249.6

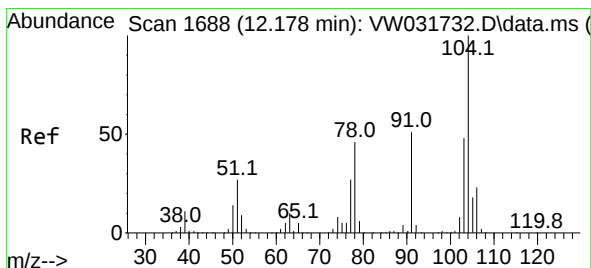
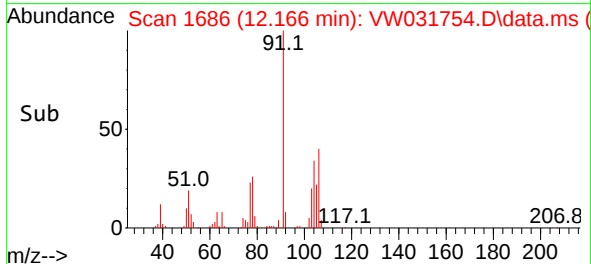
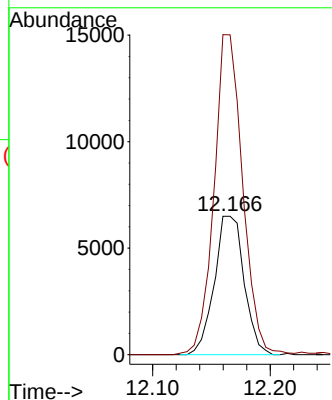
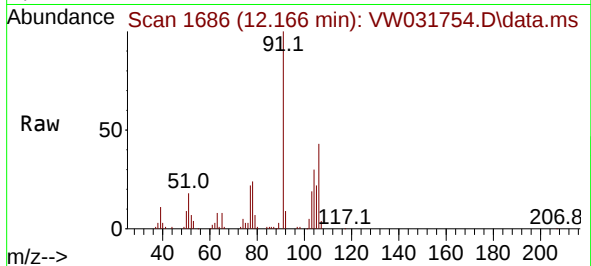




#69  
o-Xylene  
Concen: 2.382 ug/l  
RT: 12.166 min Scan# 1686  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

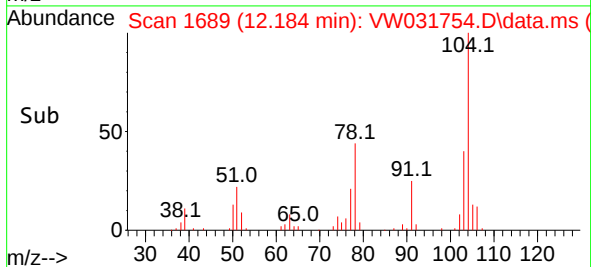
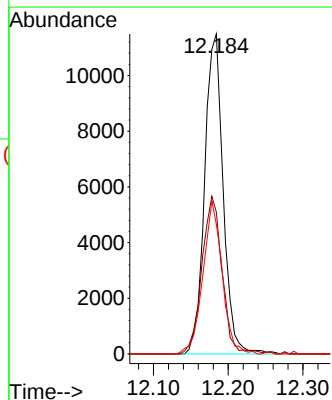
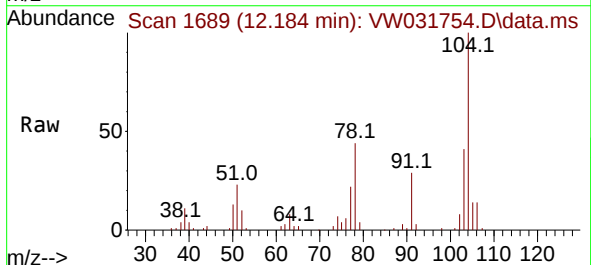
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

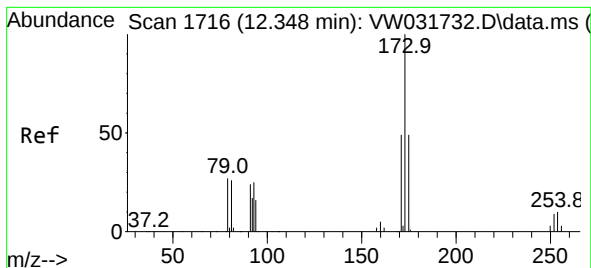
Tgt Ion:106 Resp: 11439  
Ion Ratio Lower Upper  
106 100  
91 222.2 111.5 334.4



#70  
Styrene  
Concen: 2.383 ug/l  
RT: 12.184 min Scan# 1689  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion:104 Resp: 19789  
Ion Ratio Lower Upper  
104 100  
78 53.6 42.1 63.1  
103 49.4 43.0 64.6





#71

Bromoform

Concen: 2.542 ug/l

RT: 12.355 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

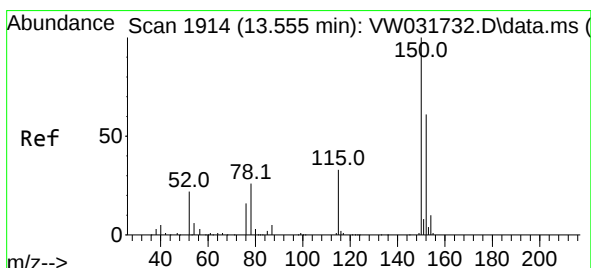
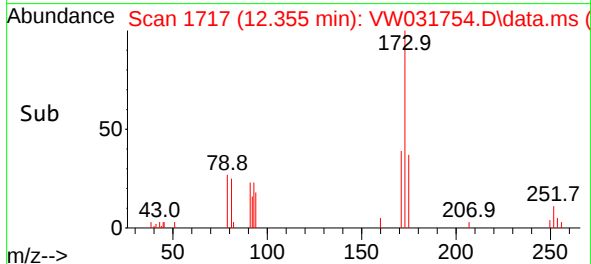
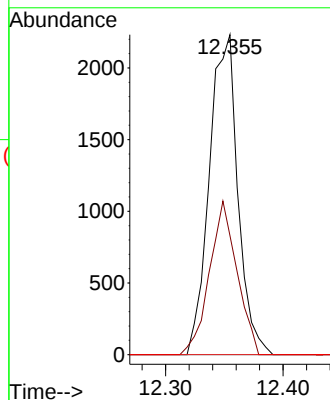
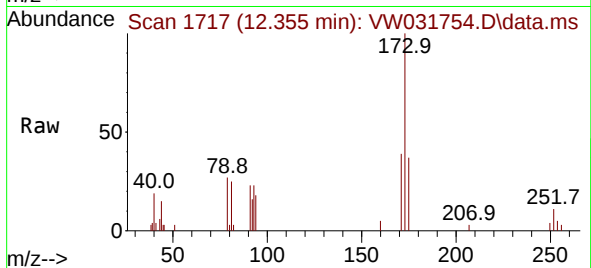
Tgt Ion:173 Resp: 3760

Ion Ratio Lower Upper

173 100

175 46.4 24.0 72.0

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

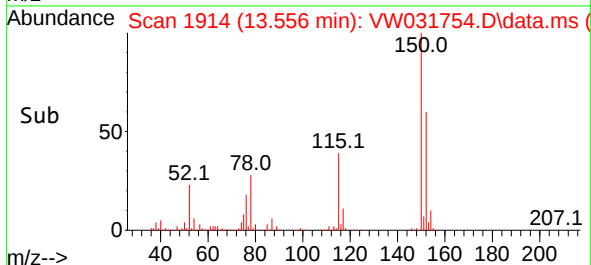
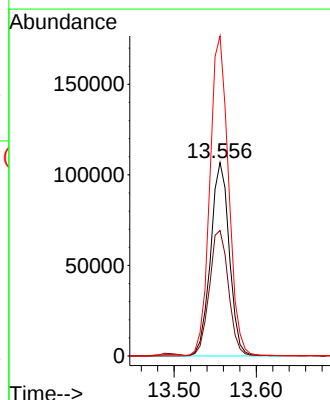
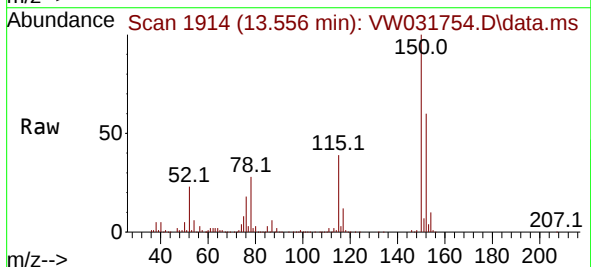
Tgt Ion:152 Resp: 168786

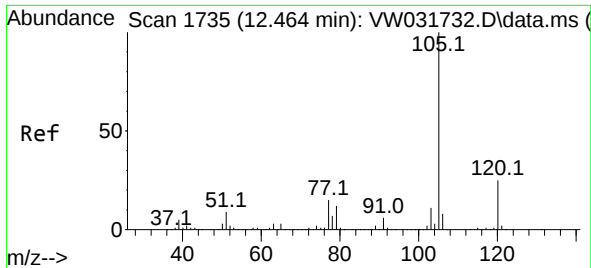
Ion Ratio Lower Upper

152 100

115 66.3 31.9 95.7

150 164.5 0.0 356.4

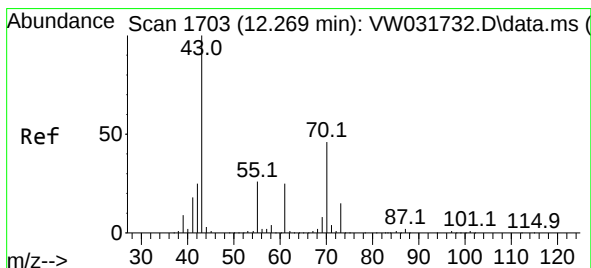
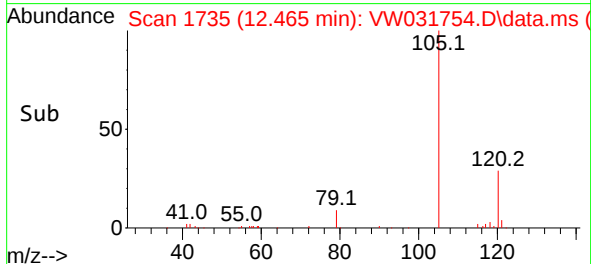
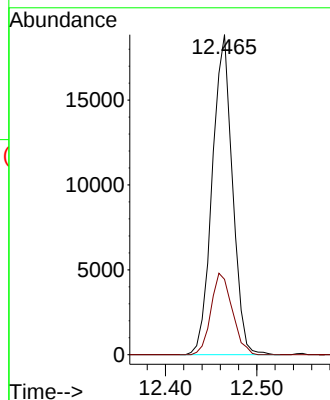
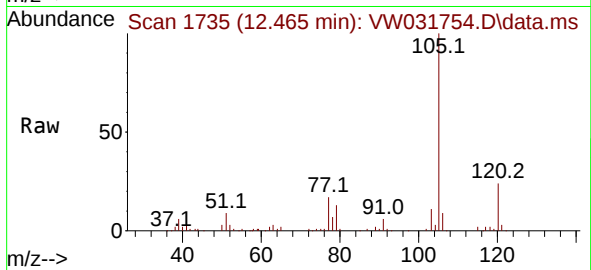




#73  
Isopropylbenzene  
Concen: 2.251 ug/l  
RT: 12.465 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

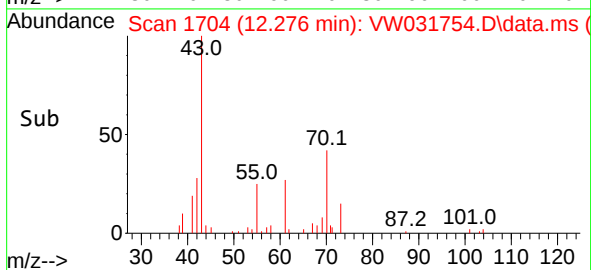
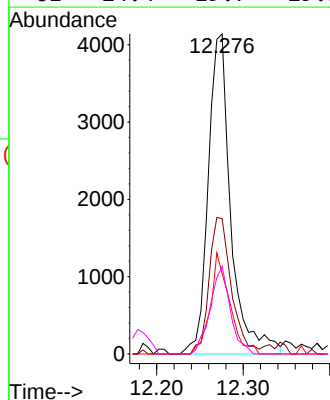
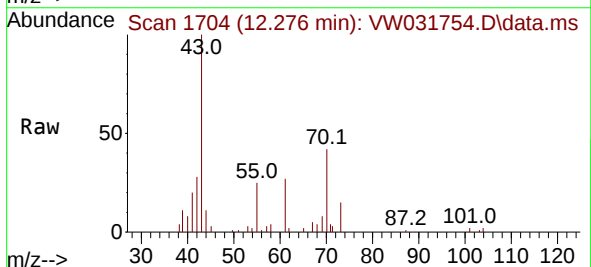
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

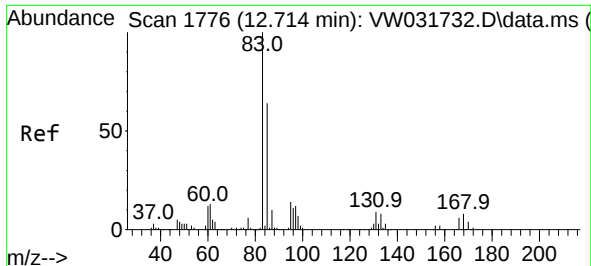
Tgt Ion:105 Resp: 28899  
Ion Ratio Lower Upper  
105 100  
120 26.8 12.8 38.4



#74  
N-ethyl acetate  
Concen: 2.174 ug/l  
RT: 12.276 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 43 Resp: 7524  
Ion Ratio Lower Upper  
43 100  
70 41.9 36.0 54.0  
55 26.8 20.8 31.2  
61 24.4 19.7 29.5

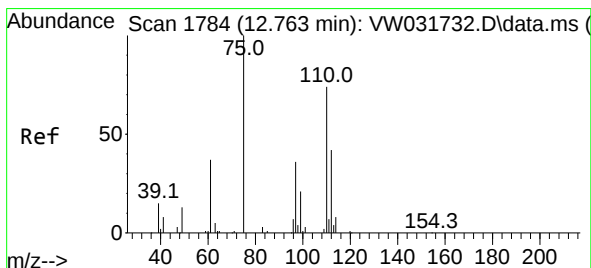
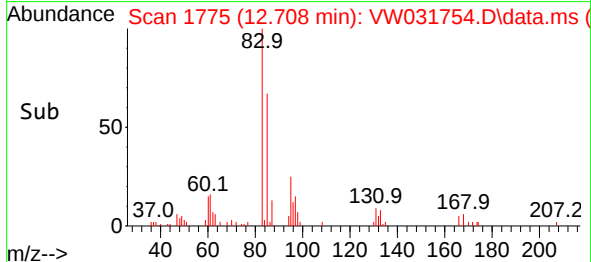
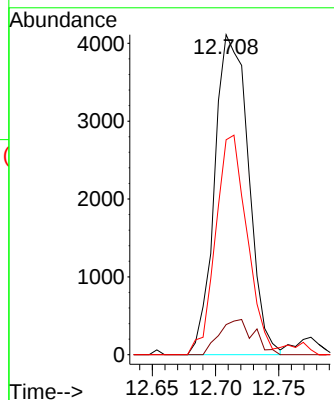
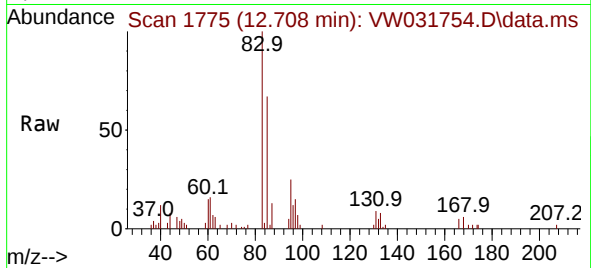




#75  
 1,1,2-Tetrachloroethane  
 Concen: 2.680 ug/l  
 RT: 12.708 min Scan# 1775  
 Delta R.T. -0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

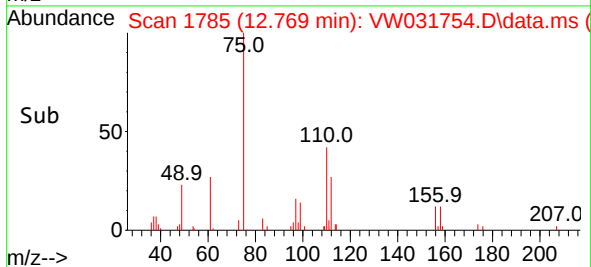
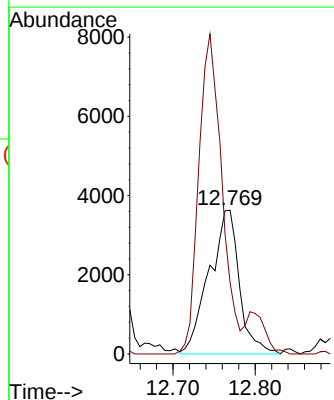
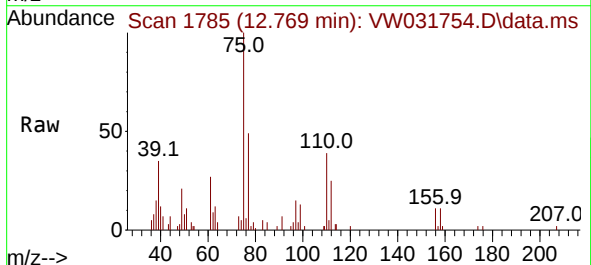
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

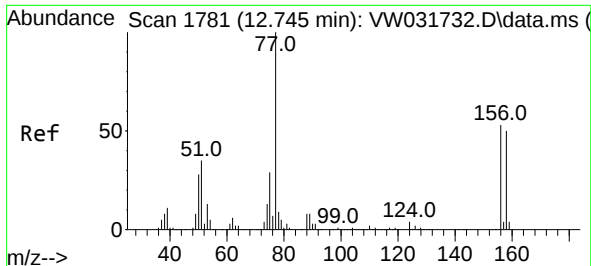
Tgt Ion: 83 Resp: 7640  
 Ion Ratio Lower Upper  
 83 100  
 131 11.2 5.3 16.1  
 85 64.2 32.0 96.2



#76  
 1,2,3-Trichloropropane  
 Concen: 4.244 ug/l  
 RT: 12.769 min Scan# 1785  
 Delta R.T. 0.006 min  
 Lab File: VW031754.D  
 Acq: 02 Jul 2025 13:00

Tgt Ion: 75 Resp: 9257  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 141.2 423.6#

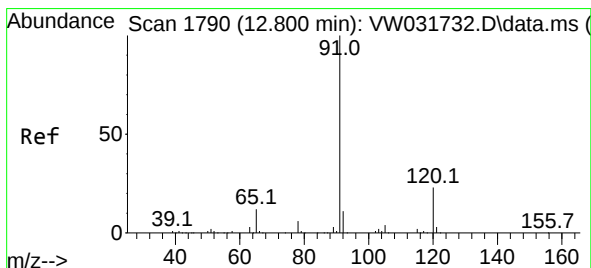
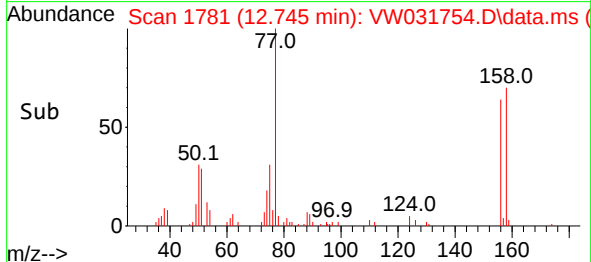
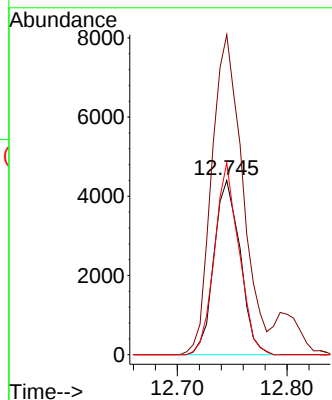
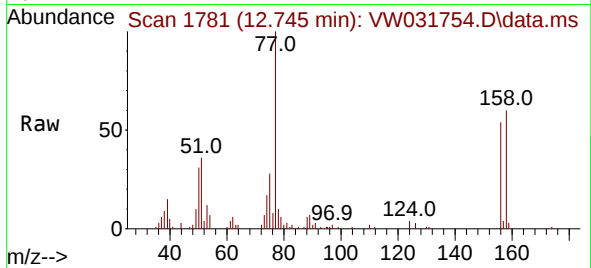




#77  
Bromobenzene  
Concen: 2.558 ug/l  
RT: 12.745 min Scan# 1781  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

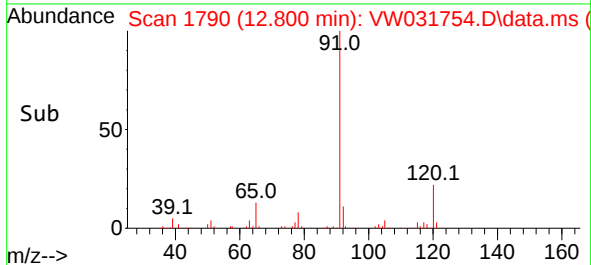
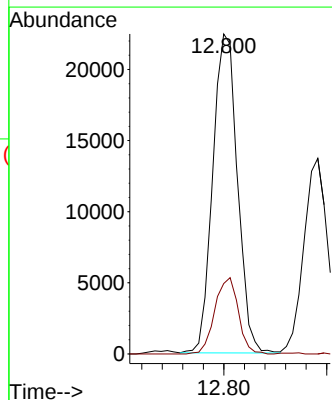
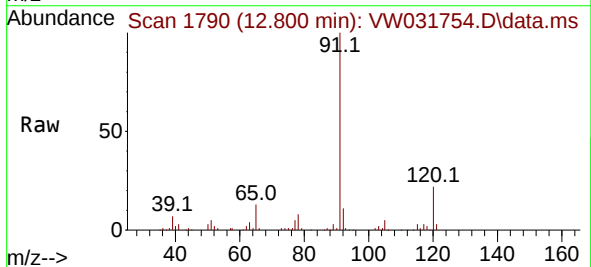
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

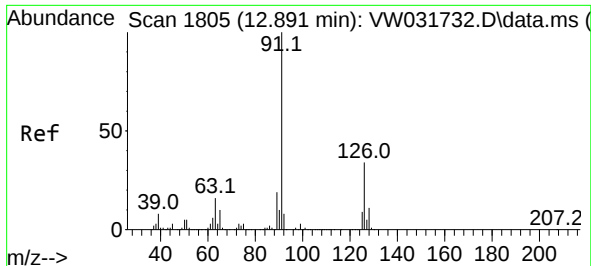
Tgt Ion:156 Resp: 7326  
Ion Ratio Lower Upper  
156 100  
77 215.0 117.9 353.7  
158 102.8 52.6 157.8



#78  
n-propylbenzene  
Concen: 2.435 ug/l  
RT: 12.800 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 91 Resp: 37437  
Ion Ratio Lower Upper  
91 100  
120 22.6 11.5 34.4

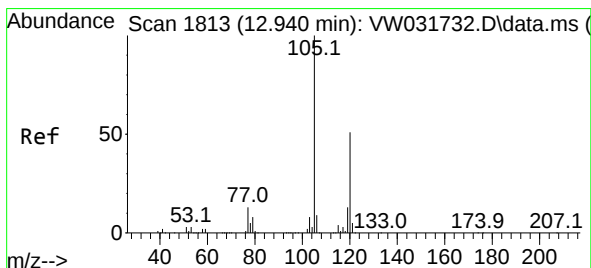
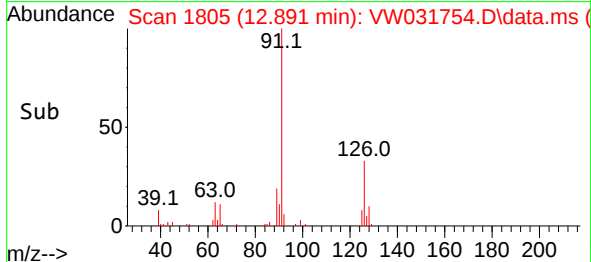
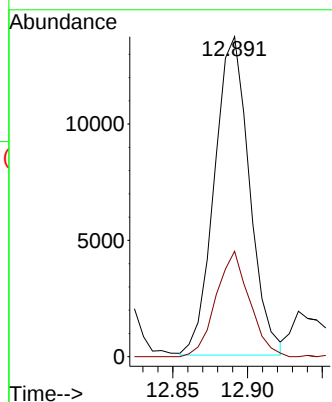
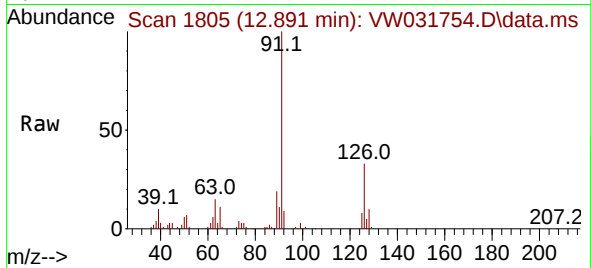




#79  
2-Chlorotoluene  
Concen: 2.414 ug/l  
RT: 12.891 min Scan# 1805  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

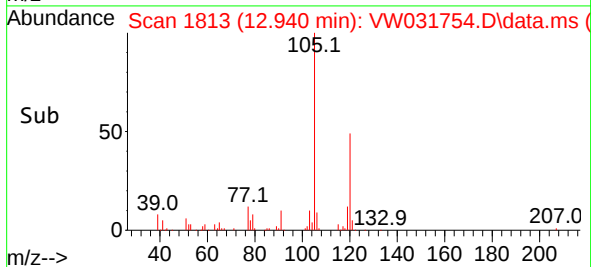
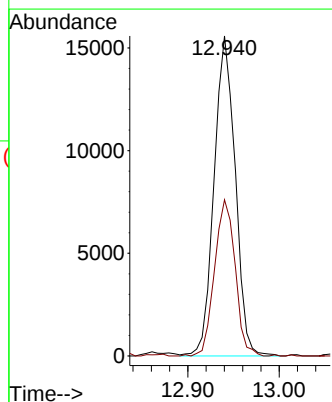
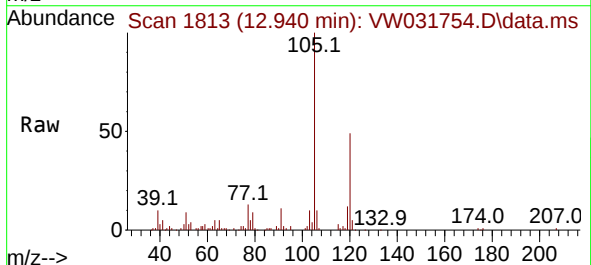
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

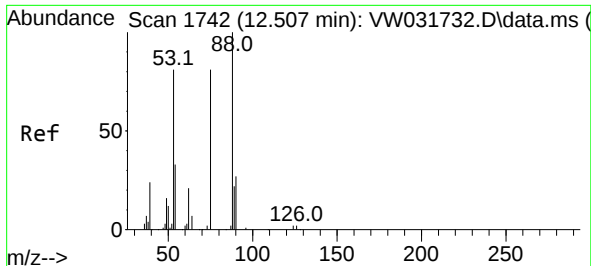
Tgt Ion: 91 Resp: 22353  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.8 47.4



#80  
1,3,5-Trimethylbenzene  
Concen: 2.358 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 105 Resp: 25056  
Ion Ratio Lower Upper  
105 100  
120 47.5 23.8 71.2

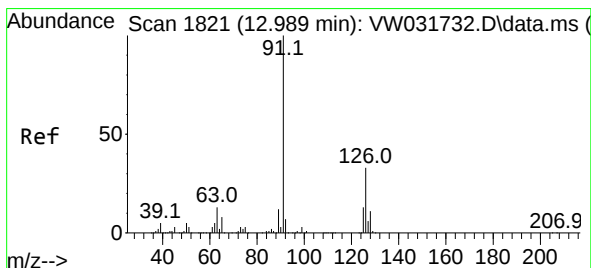
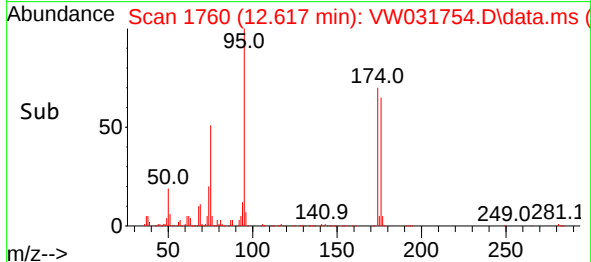
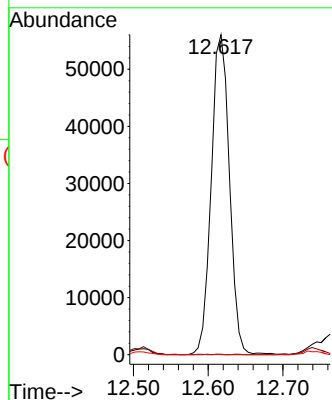
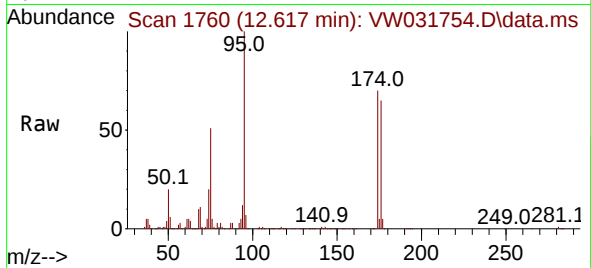




#81  
trans-1,4-Dichloro-2-butene  
Concen: 101.323 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.110 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

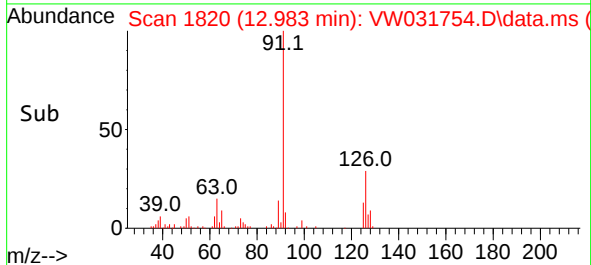
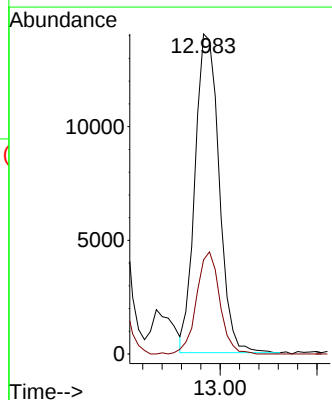
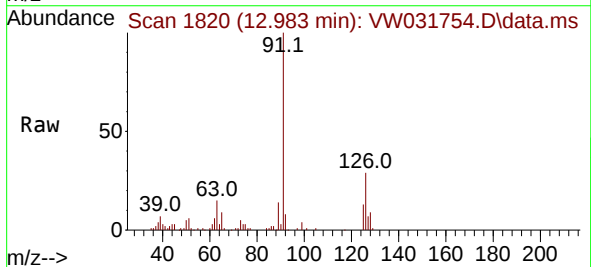
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

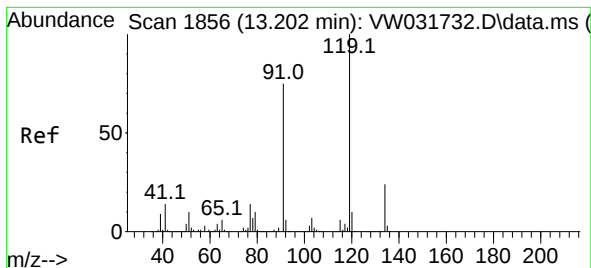
Tgt Ion: 75 Resp: 94886  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.5 125.3#  
89 0.0 38.3 57.5#



#82  
4-Chlorotoluene  
Concen: 2.494 ug/l  
RT: 12.983 min Scan# 1820  
Delta R.T. -0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

Tgt Ion: 91 Resp: 24239  
Ion Ratio Lower Upper  
91 100  
126 31.0 16.0 47.9





#83

tert-Butylbenzene

Concen: 2.319 ug/l

RT: 13.202 min Scan# 1856

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

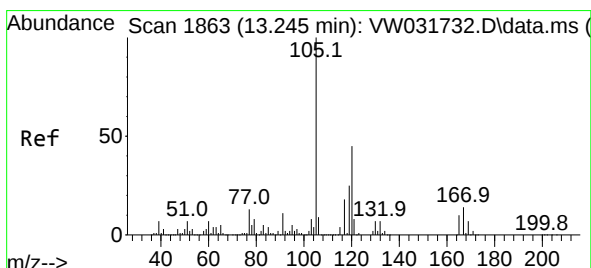
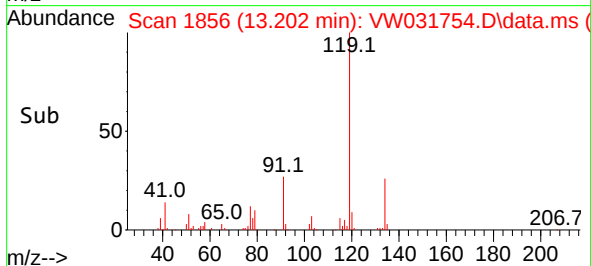
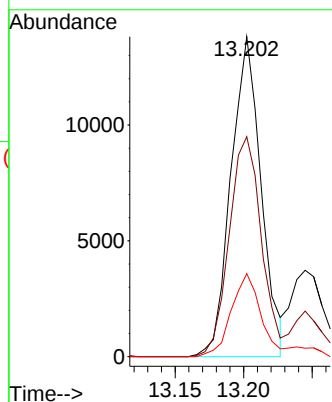
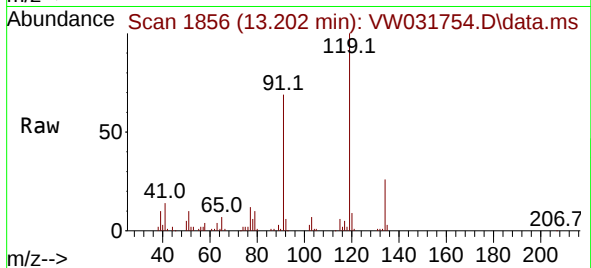
Tgt Ion:119 Resp: 21114

Ion Ratio Lower Upper

119 100

91 73.3 36.0 108.1

134 25.8 12.4 37.2



#84

1,2,4-Trimethylbenzene

Concen: 2.386 ug/l

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW031754.D

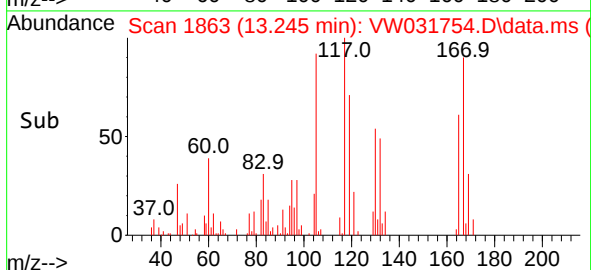
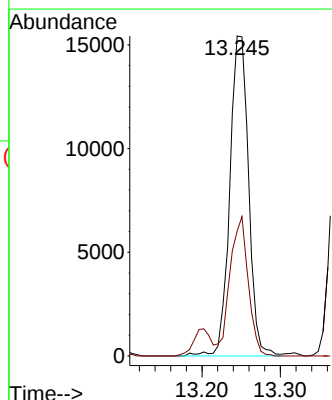
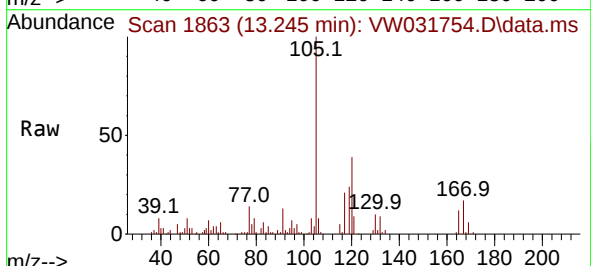
Acq: 02 Jul 2025 13:00

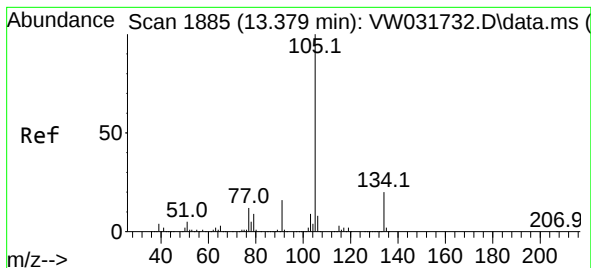
Tgt Ion:105 Resp: 25693

Ion Ratio Lower Upper

105 100

120 42.7 22.1 66.1





#85

sec-Butylbenzene

Concen: 2.303 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

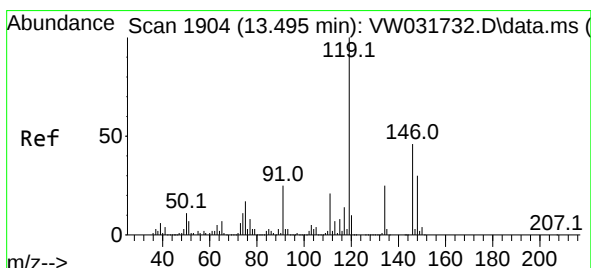
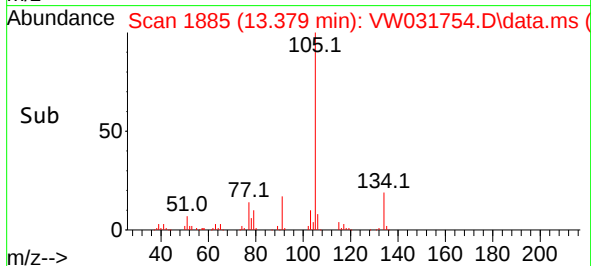
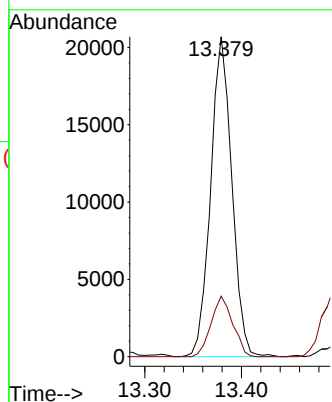
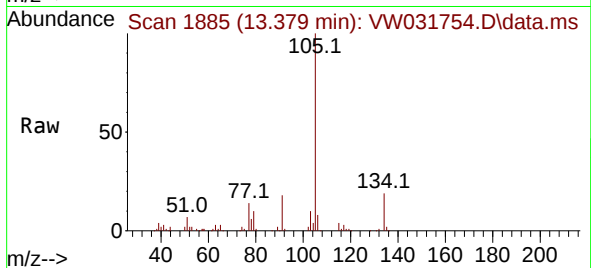
MDL04

Tgt Ion:105 Resp: 31461

Ion Ratio Lower Upper

105 100

134 19.3 9.6 28.8



#86

p-Isopropyltoluene

Concen: 2.392 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

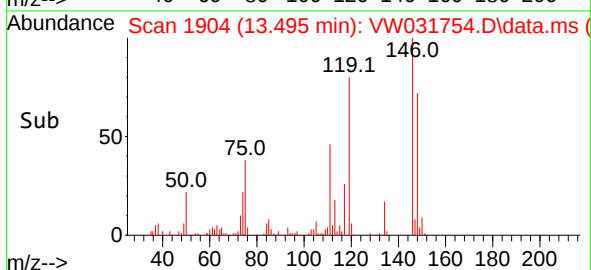
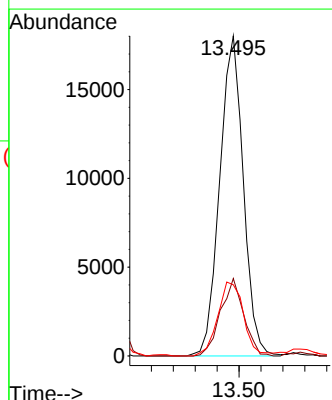
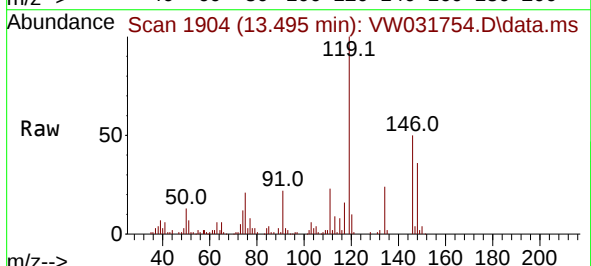
Tgt Ion:119 Resp: 26934

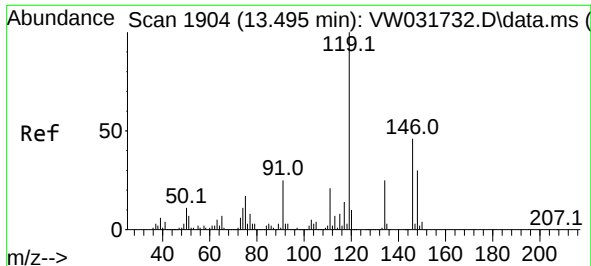
Ion Ratio Lower Upper

119 100

134 23.8 12.9 38.7

91 25.4 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 2.573 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

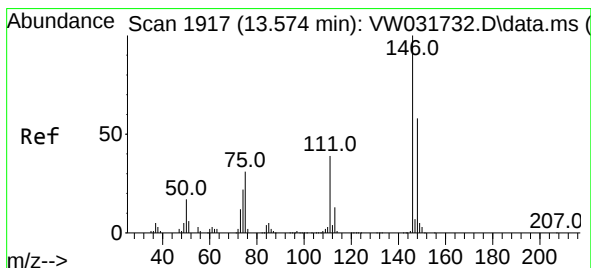
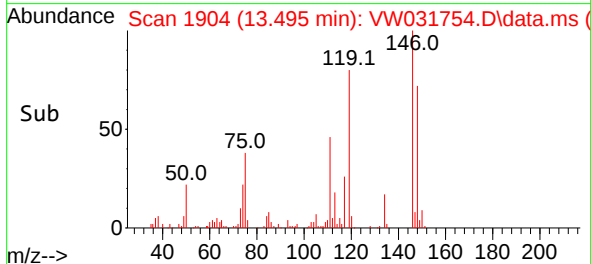
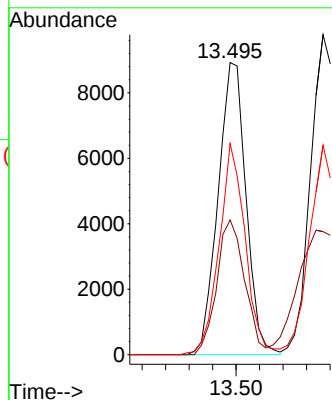
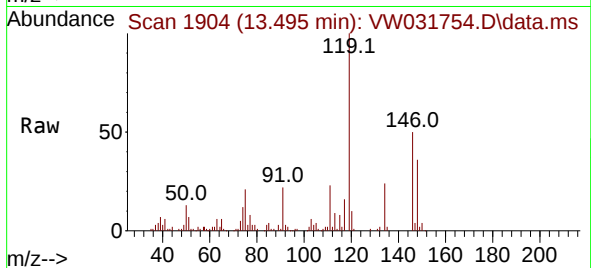
Tgt Ion:146 Resp: 14774

Ion Ratio Lower Upper

146 100

111 46.2 22.3 66.9

148 67.6 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 2.704 ug/l

RT: 13.574 min Scan# 1917

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

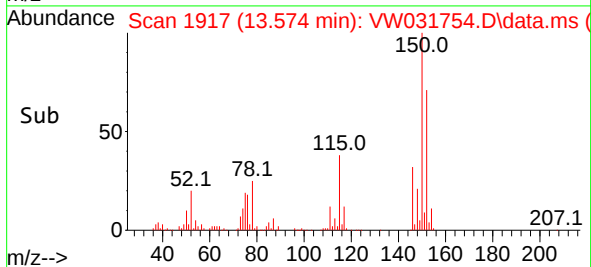
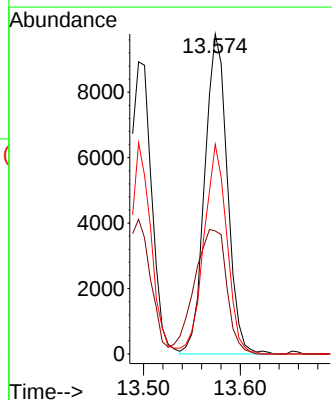
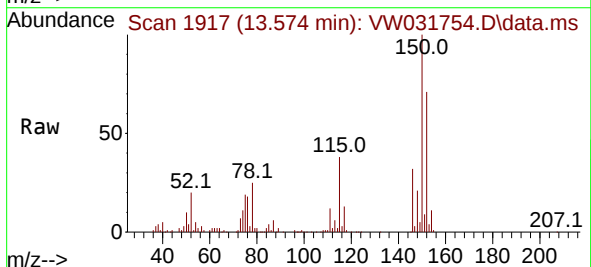
Tgt Ion:146 Resp: 15893

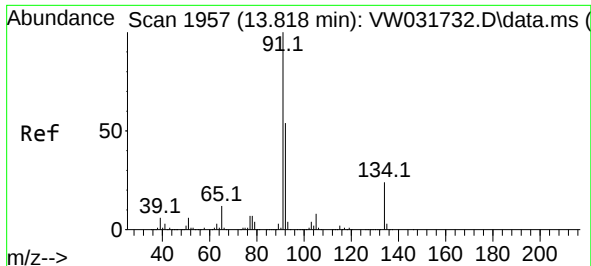
Ion Ratio Lower Upper

146 100

111 55.7 20.4 61.3

148 66.2 30.2 90.6

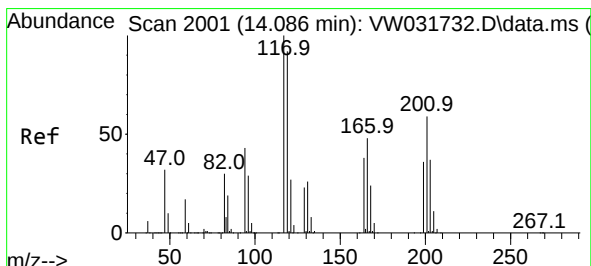
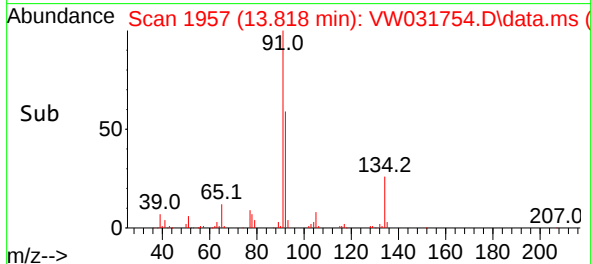
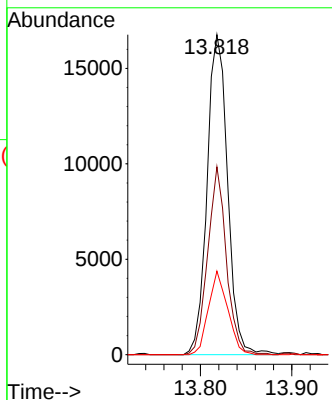
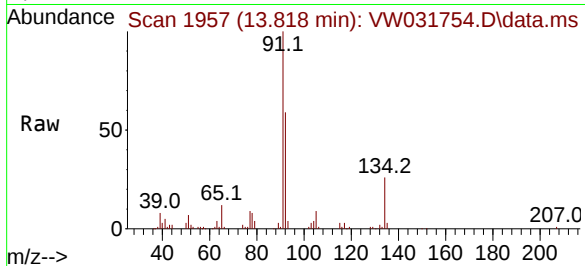




#89  
n-Butylbenzene  
Concen: 2.389 ug/l  
RT: 13.818 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

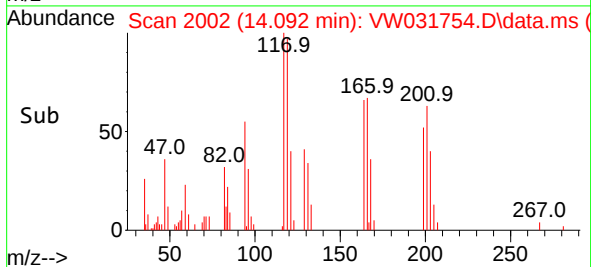
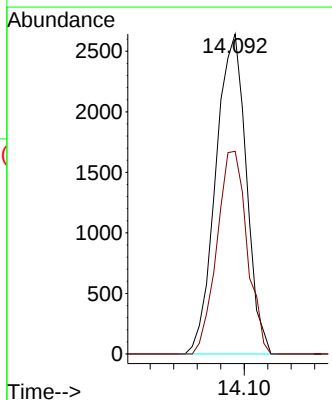
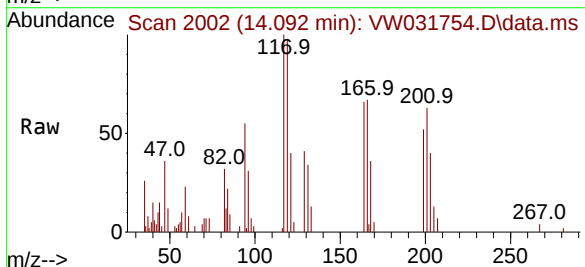
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL04

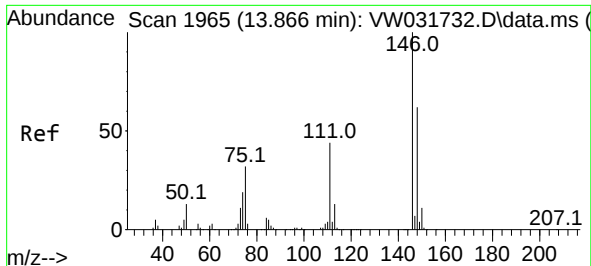
|             |                |
|-------------|----------------|
| Tgt Ion: 91 | Resp: 26141    |
| Ion Ratio   | Lower Upper    |
| 91          | 100            |
| 92          | 53.6 27.2 81.5 |
| 134         | 24.5 12.2 36.6 |



#90  
Hexachloroethane  
Concen: 2.344 ug/l  
RT: 14.092 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: VW031754.D  
Acq: 02 Jul 2025 13:00

|              |                |
|--------------|----------------|
| Tgt Ion: 117 | Resp: 4761     |
| Ion Ratio    | Lower Upper    |
| 117          | 100            |
| 201          | 62.8 31.1 93.3 |





#91

1,2-Dichlorobenzene

Concen: 2.583 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

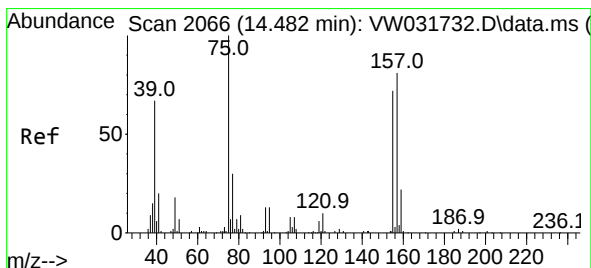
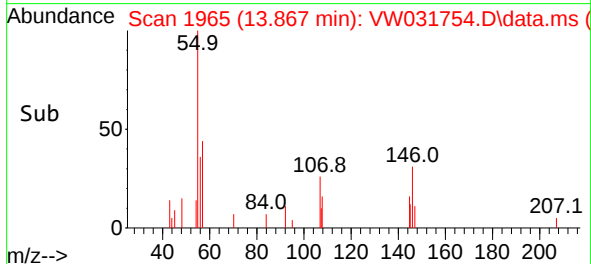
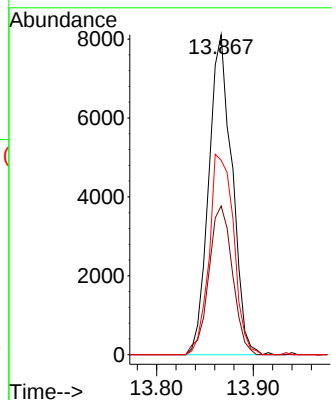
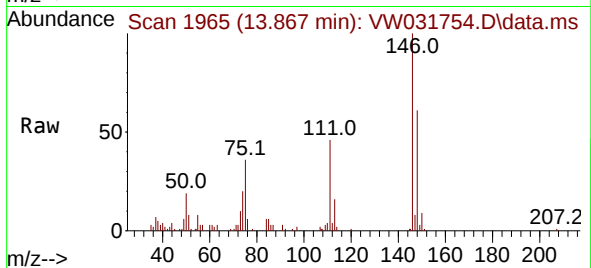
Tgt Ion:146 Resp: 13556

Ion Ratio Lower Upper

146 100

111 47.4 21.7 65.1

148 65.9 29.8 89.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.769 ug/l

RT: 14.476 min Scan# 2065

Delta R.T. -0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

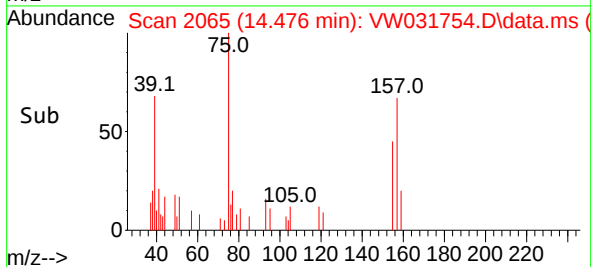
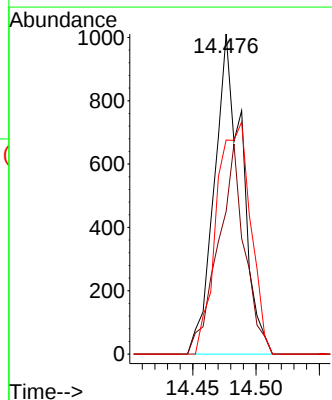
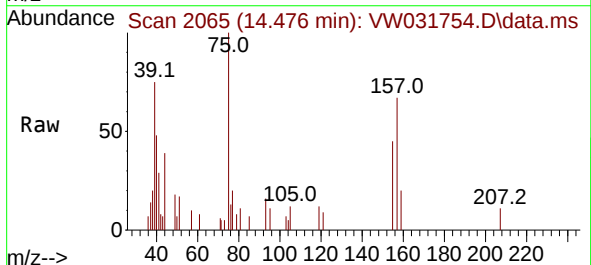
Tgt Ion: 75 Resp: 1541

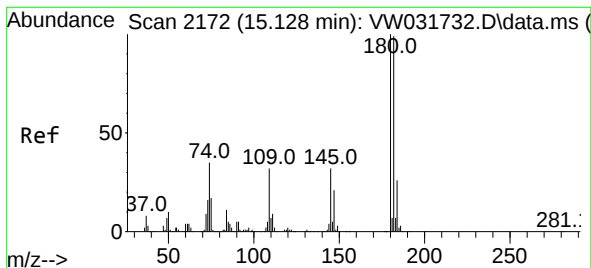
Ion Ratio Lower Upper

75 100

155 62.8 37.2 111.6

157 88.5 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 2.492 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

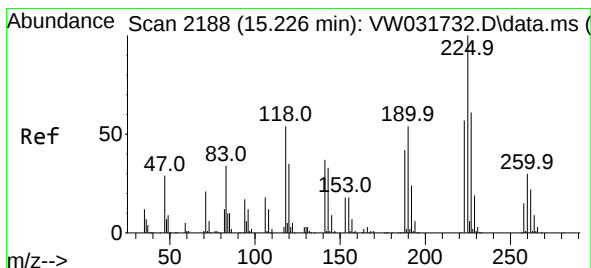
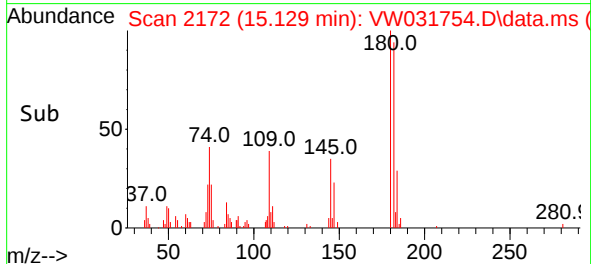
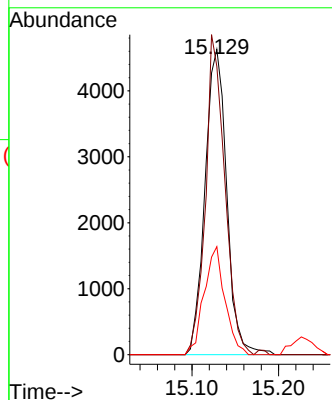
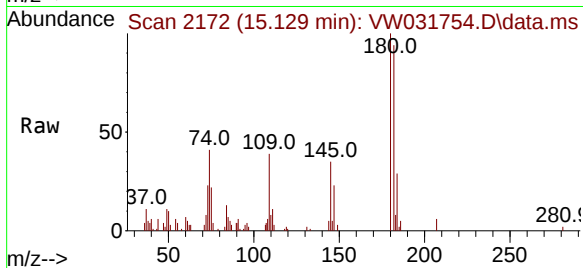
Tgt Ion:180 Resp: 8068

Ion Ratio Lower Upper

180 100

182 93.0 48.6 145.9

145 33.9 17.3 51.7



#94

Hexachlorobutadiene

Concen: 2.818 ug/l

RT: 15.226 min Scan# 2188

Delta R.T. 0.000 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

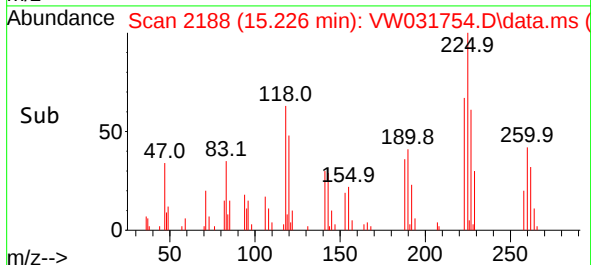
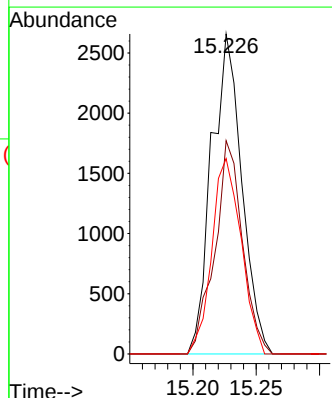
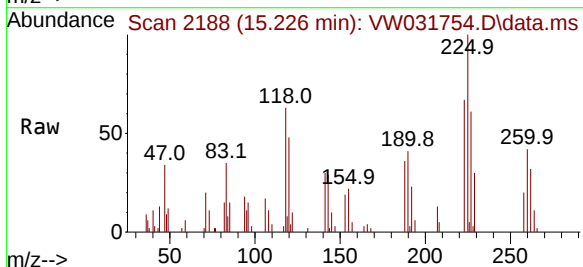
Tgt Ion:225 Resp: 4404

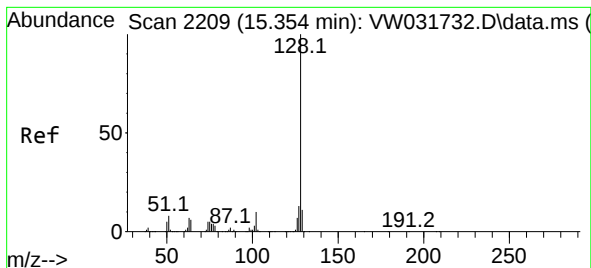
Ion Ratio Lower Upper

225 100

223 61.0 32.6 97.8

227 59.4 37.3 111.8





#95

Naphthalene

Concen: 2.233 ug/l

RT: 15.360 min Scan# 21

Delta R.T. 0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Instrument :

MSVOA\_W

ClientSampleId :

MDL04

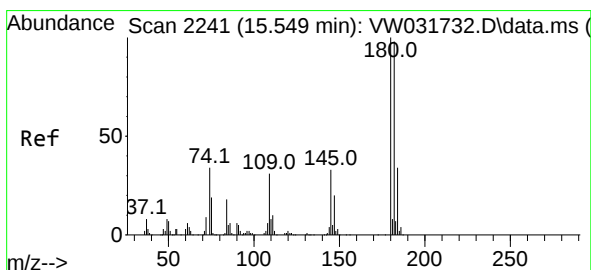
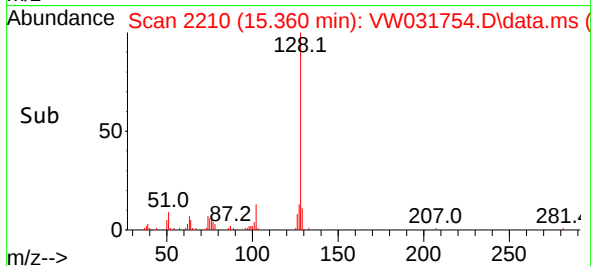
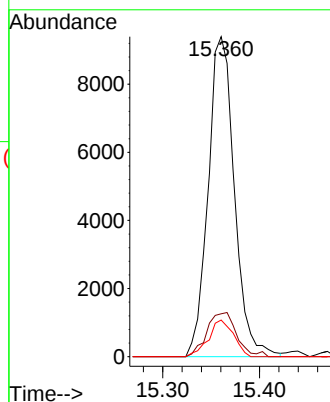
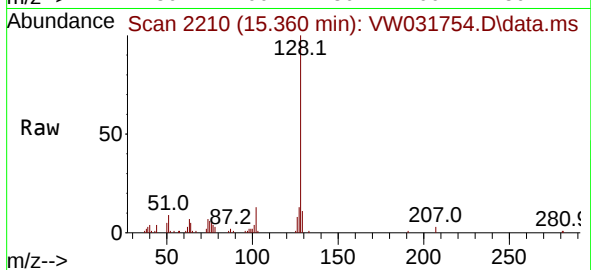
Tgt Ion:128 Resp: 17720

Ion Ratio Lower Upper

128 100

127 15.7 10.8 16.2

129 10.9 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.527 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW031754.D

Acq: 02 Jul 2025 13:00

Tgt Ion:180 Resp: 7515

Ion Ratio Lower Upper

180 100

182 95.0 46.4 139.1

145 37.6 17.8 53.3

