

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071725\  
 Data File : VW031889.D  
 Acq On : 17 Jul 2025 15:16  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 18 02:53:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.965  | 168  | 197952   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.855  | 114  | 397272   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.635 | 117  | 359593   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 173648   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.319  | 65    | 163290   | 57.480   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 63 - 155 | Recovery | = 114.960% |      |
| 35) Dibromofluoromethane  | 7.898  | 113   | 130899   | 50.494   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 70 - 134 | Recovery | = 100.980% |      |
| 50) Toluene-d8            | 10.325 | 98    | 487133   | 50.494   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 74 - 123 | Recovery | = 100.980% |      |
| 62) 4-Bromofluorobenzene  | 12.617 | 95    | 196324   | 55.299   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 17 - 146 | Recovery | = 110.600% |      |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 2.052 | 85  | 77183   | 57.252  | ug/l | 95     |
| 3) Chloromethane             | 2.259 | 50  | 104796  | 64.478  | ug/l | 96     |
| 4) Vinyl Chloride            | 2.411 | 62  | 120050  | 56.196  | ug/l | 97     |
| 5) Bromomethane              | 2.832 | 94  | 80757   | 48.398  | ug/l | 99     |
| 6) Chloroethane              | 2.984 | 64  | 76820   | 52.939  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.308 | 101 | 103176  | 53.181  | ug/l | 100    |
| 8) Diethyl Ether             | 3.728 | 74  | 86282   | 58.527  | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 4.106 | 101 | 112725  | 52.347  | ug/l | 97     |
| 10) Methyl Iodide            | 4.320 | 142 | 155506  | 46.842  | ug/l | 99     |
| 11) Tert butyl alcohol       | 5.228 | 59  | 53524   | 304.117 | ug/l | 95     |
| 12) 1,1-Dichloroethene       | 4.082 | 96  | 127046  | 53.862  | ug/l | 96     |
| 13) Acrolein                 | 3.936 | 56  | 78630   | 248.572 | ug/l | 93     |
| 14) Allyl chloride           | 4.704 | 41  | 185144  | 51.159  | ug/l | 97     |
| 15) Acrylonitrile            | 5.405 | 53  | 215846  | 297.735 | ug/l | 99     |
| 16) Acetone                  | 4.167 | 43  | 160101  | 228.010 | ug/l | 99     |
| 17) Carbon Disulfide         | 4.429 | 76  | 318296  | 50.429  | ug/l | 100    |
| 18) Methyl Acetate           | 4.716 | 43  | 99065   | 49.365  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 5.472 | 73  | 246170  | 61.489  | ug/l | 99     |
| 20) Methylene Chloride       | 4.960 | 84  | 145148  | 52.094  | ug/l | 99     |
| 21) trans-1,2-Dichloroethene | 5.460 | 96  | 138881  | 55.413  | ug/l | 96     |
| 22) Diisopropyl ether        | 6.344 | 45  | 436773  | 61.882  | ug/l | 96     |
| 23) Vinyl Acetate            | 6.289 | 43  | 1606475 | 333.223 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 6.246 | 63  | 266763  | 58.296  | ug/l | 98     |
| 25) 2-Butanone               | 7.197 | 43  | 286251  | 313.357 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 7.185 | 77  | 117169  | 43.886  | ug/l | 96     |
| 27) cis-1,2-Dichloroethene   | 7.197 | 96  | 172773  | 59.971  | ug/l | 99     |
| 28) Bromochloromethane       | 7.532 | 49  | 117502  | 58.189  | ug/l | 100    |
| 29) Tetrahydrofuran          | 7.557 | 42  | 200742  | 320.884 | ug/l | 100    |
| 30) Chloroform               | 7.697 | 83  | 290355  | 59.715  | ug/l | 98     |
| 31) Cyclohexane              | 7.971 | 56  | 214701  | 53.079  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 7.892 | 97  | 194637  | 51.943  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 8.099 | 75  | 191355  | 51.011  | ug/l | 99     |
| 37) Ethyl Acetate            | 7.276 | 43  | 135890  | 57.425  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 8.081 | 117 | 182816  | 47.824  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.343 | 83  | 249093  | 53.371  | ug/l | 98     |
| 40) Benzene                  | 8.337 | 78  | 600080  | 54.068  | ug/l | 99     |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 18 02:53:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W063025S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 01 03:35:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.502  | 41   | 76513    | 60.357   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.416  | 62   | 207064   | 55.216   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.441  | 43   | 243667   | 59.735   | ug/l   | 100      |
| 44) Trichloroethene           | 9.099  | 130  | 134040   | 48.388   | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 9.374  | 63   | 145608   | 54.283   | ug/l   | 98       |
| 46) Dibromomethane            | 9.471  | 93   | 99297    | 57.339   | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.654  | 83   | 221960   | 54.657   | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.447  | 41   | 116848   | 58.257   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.465  | 88   | 25780    | 1271.049 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.215 | 43   | 683240   | 291.343  | ug/l   | 99       |
| 52) Toluene                   | 10.392 | 92   | 380958   | 53.611   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.611 | 75   | 213427   | 56.015   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.081 | 75   | 238263   | 55.162   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.794 | 97   | 128559   | 56.672   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.648 | 69   | 200548   | 65.165   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.934 | 76   | 225285   | 56.565   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.928  | 63   | 495239   | 292.238  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.971 | 43   | 478668   | 301.208  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.129 | 129  | 144438   | 53.246   | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.239 | 107  | 128598   | 56.628   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.861 | 164  | 104569   | 44.457   | ug/l   | 90       |
| 65) Chlorobenzene             | 11.660 | 112  | 424203   | 53.467   | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 11.733 | 131  | 135483   | 53.587   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.733 | 91   | 741419   | 53.892   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.843 | 106  | 561112   | 106.098  | ug/l   | 99       |
| 69) o-Xylene                  | 12.166 | 106  | 272167   | 55.582   | ug/l   | 97       |
| 70) Styrene                   | 12.178 | 104  | 475221   | 56.138   | ug/l   | 99       |
| 71) Bromoform                 | 12.355 | 173  | 76822    | 50.934   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.464 | 105  | 700466   | 53.031   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.269 | 43   | 223180   | 62.688   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 164720   | 56.172   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.769 | 75   | 203772   | 90.807   | ug/l # | 1        |
| 77) Bromobenzene              | 12.745 | 156  | 154333   | 52.388   | ug/l   | 95       |
| 78) n-propylbenzene           | 12.800 | 91   | 832453   | 52.630   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.891 | 91   | 510432   | 53.591   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 584658   | 53.474   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.513 | 75   | 51420    | 53.371   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.989 | 91   | 520100   | 52.012   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.202 | 119  | 507411   | 54.179   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 574592   | 51.868   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.379 | 105  | 721657   | 51.337   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.495 | 119  | 605288   | 52.247   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.495 | 146  | 295772   | 50.063   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.580 | 146  | 296902   | 49.098   | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.818 | 91   | 589305   | 52.354   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.092 | 117  | 104443   | 49.971   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.867 | 146  | 280532   | 51.952   | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.482 | 75   | 30689    | 53.598   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.129 | 180  | 170049   | 51.063   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.232 | 225  | 73387    | 45.636   | ug/l   | 92       |
| 95) Naphthalene               | 15.360 | 128  | 499482   | 61.178   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 161357   | 52.732   | ug/l   | 98       |

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

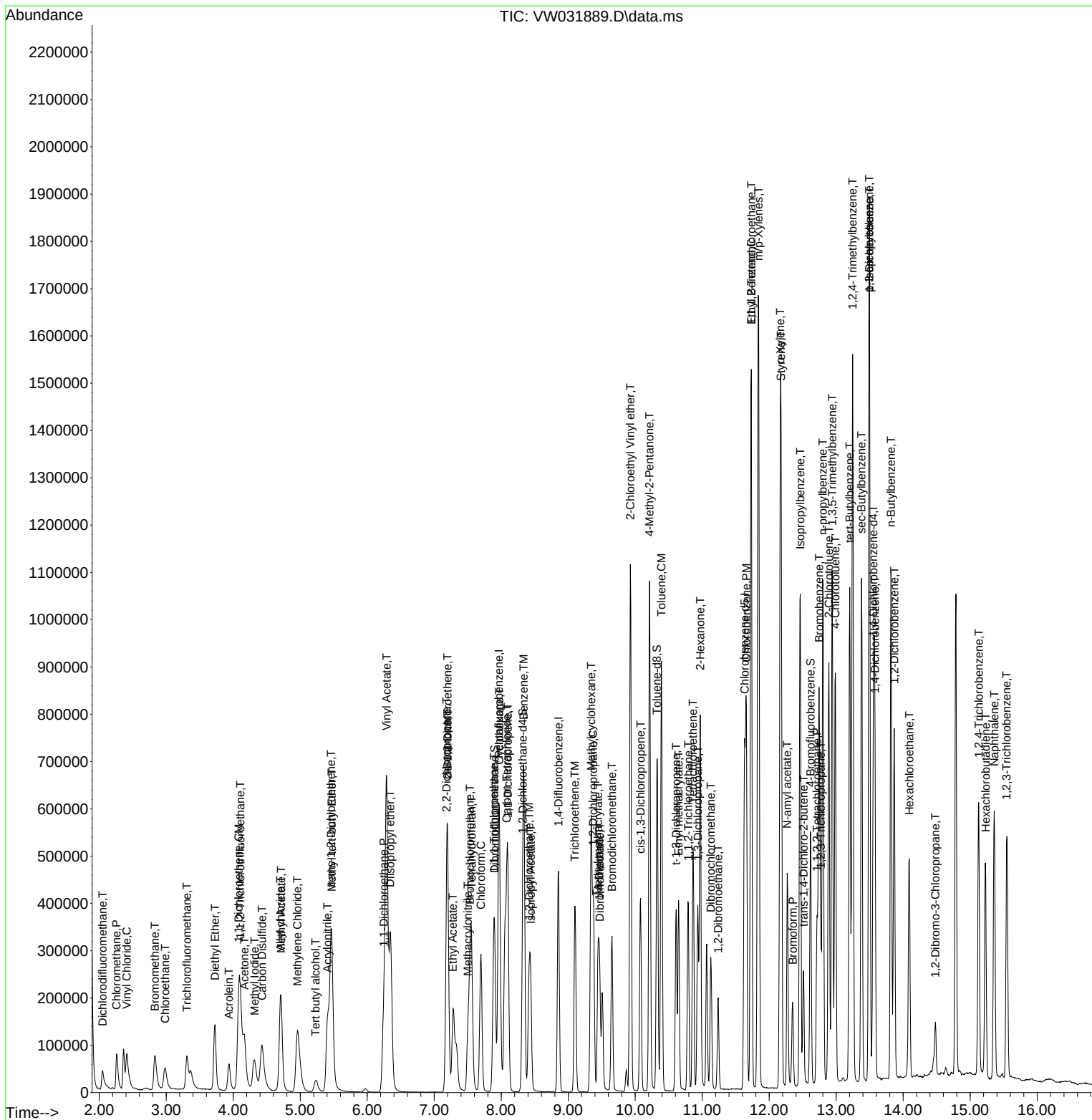
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MSVOA\_W  
ClientSampleId :

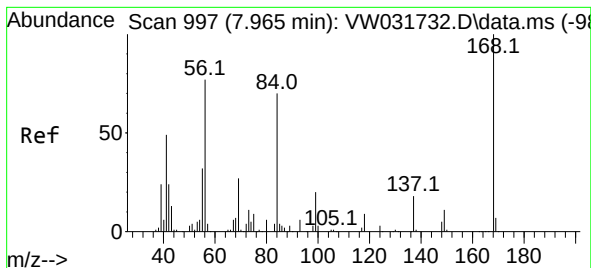
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Quant Title : SW846 8260  
QLast Update : Tue Jul 01 03:35:17 2025  
Response via : Initial Calibration

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

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

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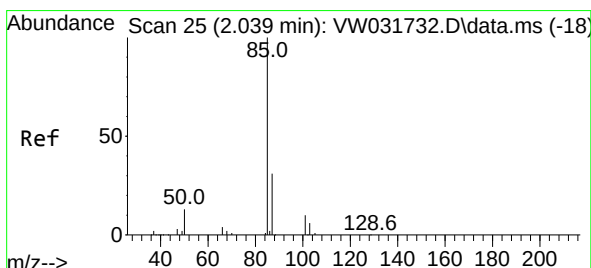
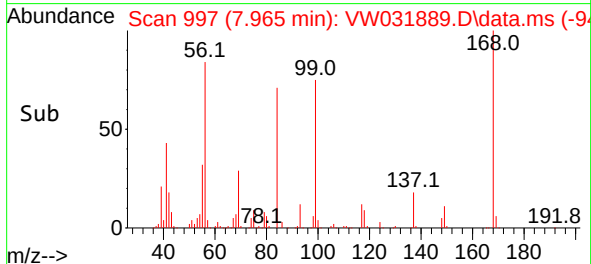
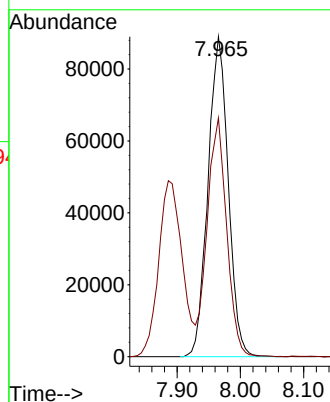
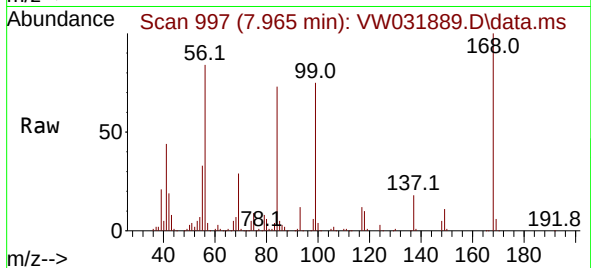




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.965 min Scan# 99  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

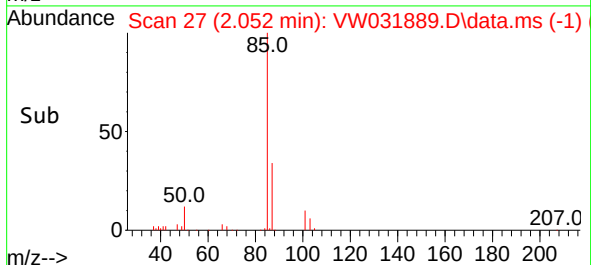
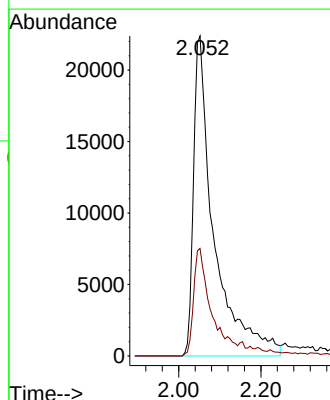
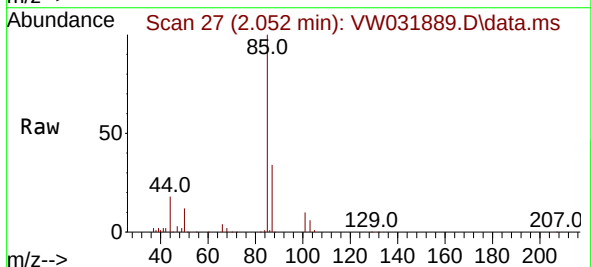
Instrument :  
MSVOA\_W  
ClientSampleId :

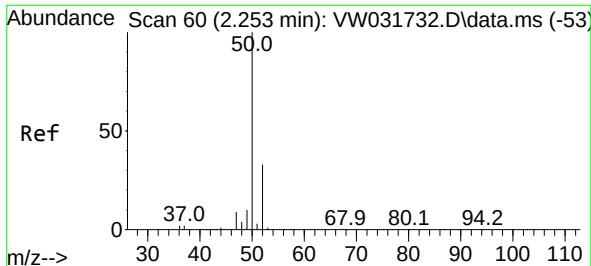
Tgt Ion:168 Resp: 197952  
Ion Ratio Lower Upper  
168 100  
99 74.5 49.4 74.2#



#2  
Dichlorodifluoromethane  
Concen: 57.252 ug/l  
RT: 2.052 min Scan# 27  
Delta R.T. 0.012 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 85 Resp: 77183  
Ion Ratio Lower Upper  
85 100  
87 33.6 15.4 46.2

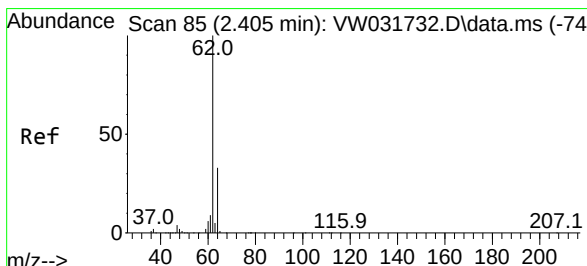
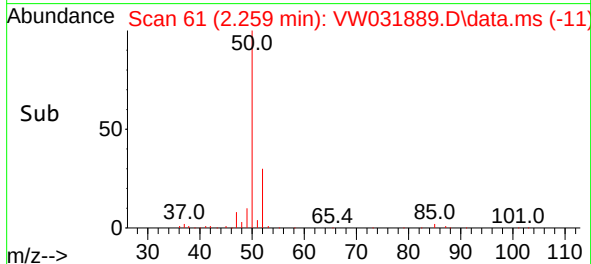
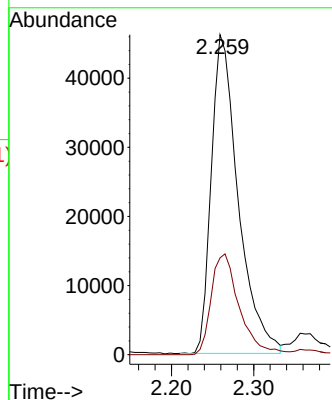
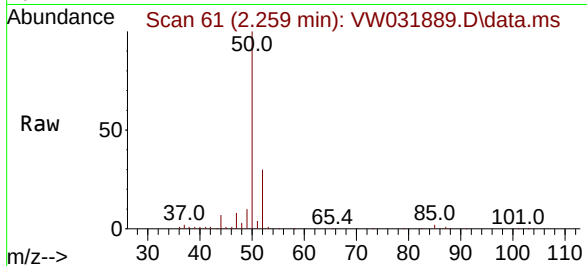




#3  
Chloromethane  
Concen: 64.478 ug/l  
RT: 2.259 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

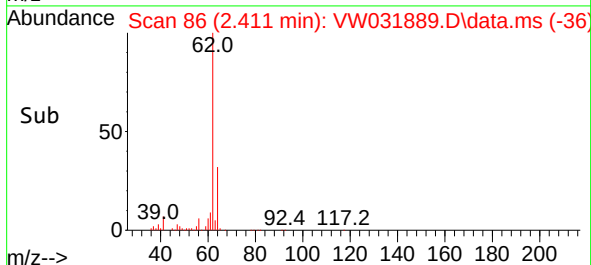
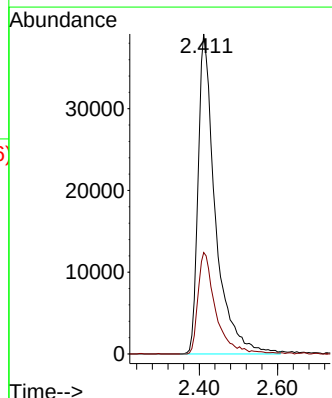
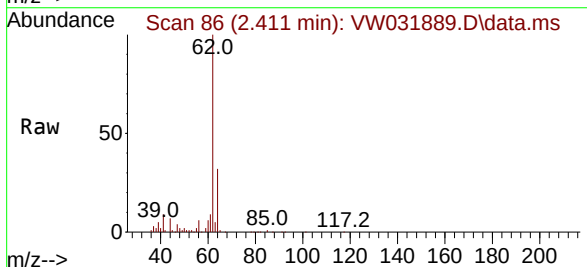
Instrument :  
MSVOA\_W  
ClientSampleId :

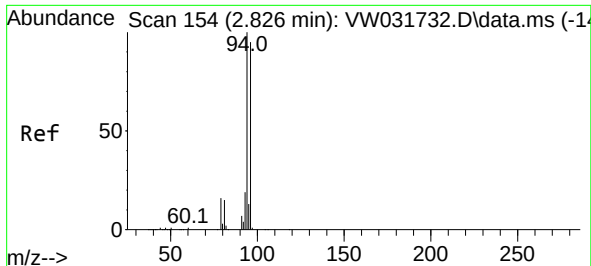
Tgt Ion: 50 Resp: 104796  
Ion Ratio Lower Upper  
50 100  
52 30.4 26.2 39.2



#4  
Vinyl Chloride  
Concen: 56.196 ug/l  
RT: 2.411 min Scan# 86  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 62 Resp: 120050  
Ion Ratio Lower Upper  
62 100  
64 31.7 26.8 40.2

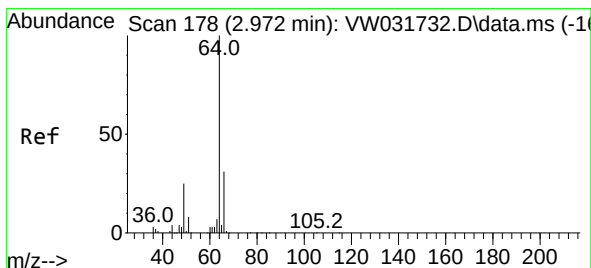
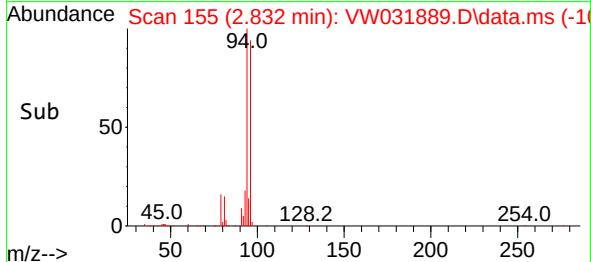
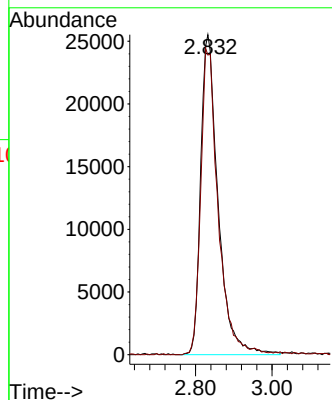
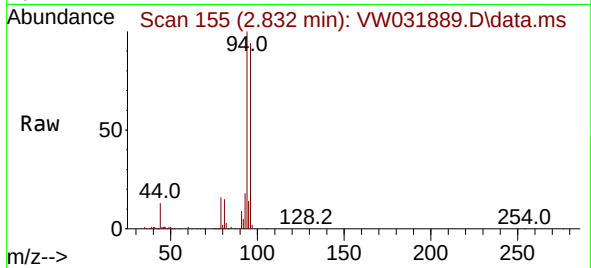




#5  
Bromomethane  
Concen: 48.398 ug/l  
RT: 2.832 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

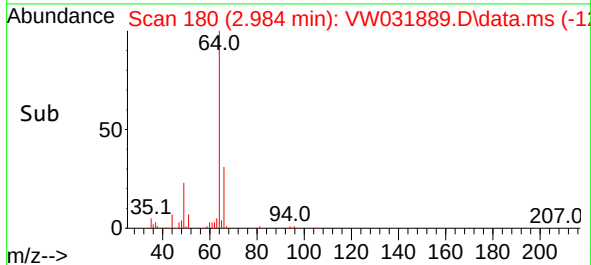
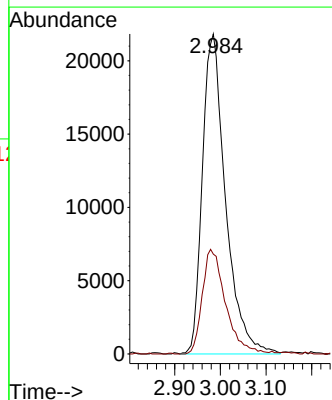
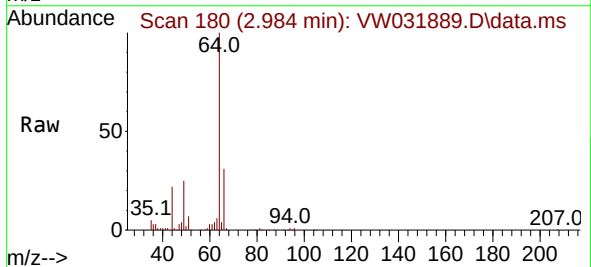
Instrument :  
MSVOA\_W  
ClientSampleId :

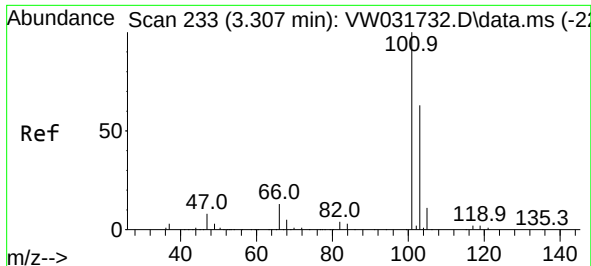
Tgt Ion: 94 Resp: 80757  
Ion Ratio Lower Upper  
94 100  
96 93.7 75.6 113.4



#6  
Chloroethane  
Concen: 52.939 ug/l  
RT: 2.984 min Scan# 180  
Delta R.T. 0.012 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 64 Resp: 76820  
Ion Ratio Lower Upper  
64 100  
66 31.2 24.5 36.7

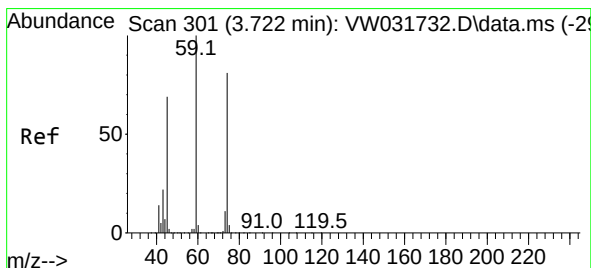
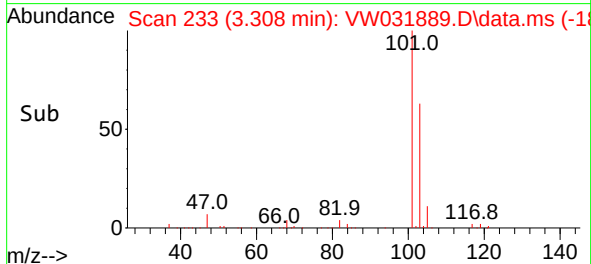
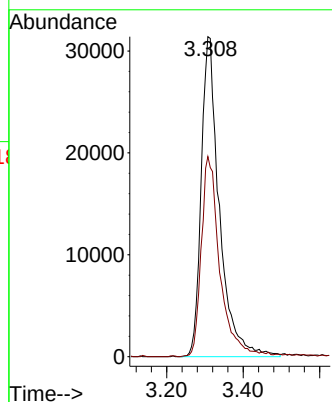
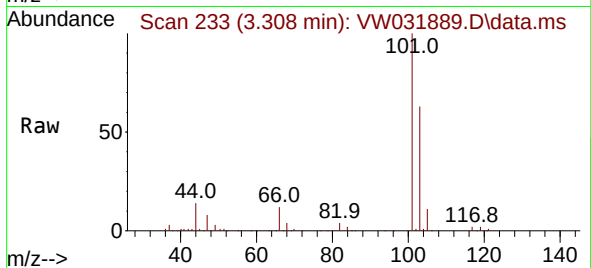




#7  
 Trichlorofluoromethane  
 Concen: 53.181 ug/l  
 RT: 3.308 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

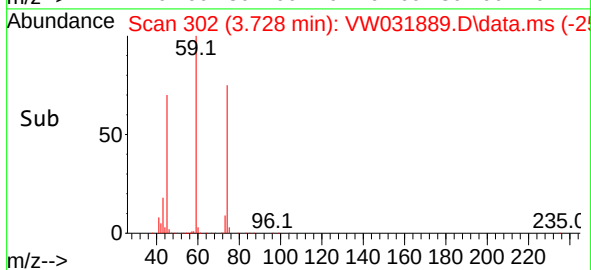
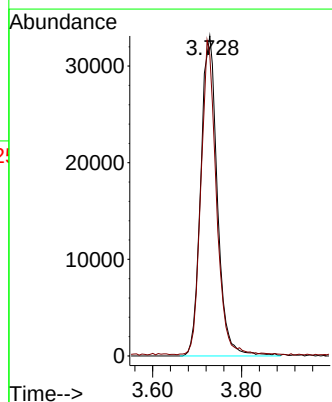
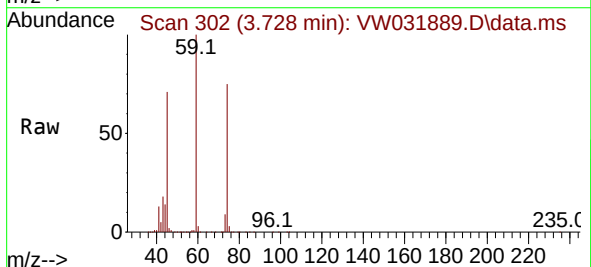
Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tgt Ion:101 Resp: 103176  
 Ion Ratio Lower Upper  
 101 100  
 103 62.5 50.2 75.4

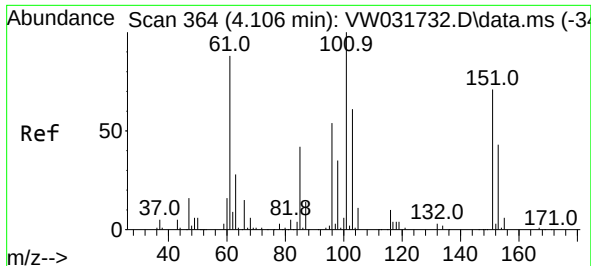


#8  
 Diethyl Ether  
 Concen: 58.527 ug/l  
 RT: 3.728 min Scan# 302  
 Delta R.T. 0.006 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

Tgt Ion: 74 Resp: 86282  
 Ion Ratio Lower Upper  
 74 100  
 45 91.7 43.9 131.7



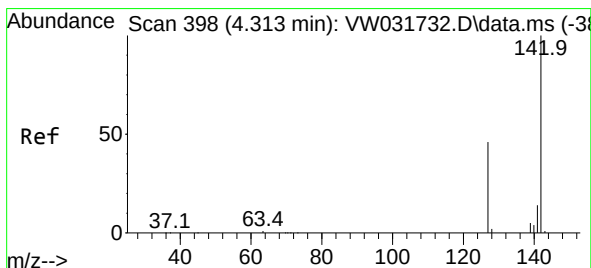
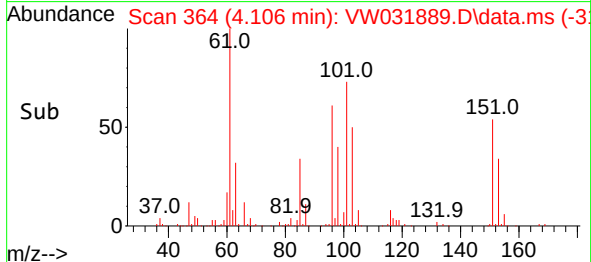
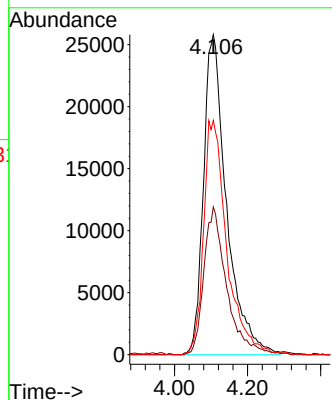
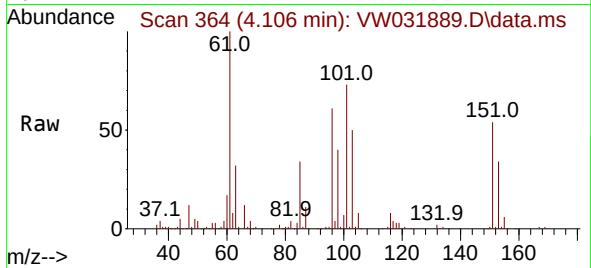




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.347 ug/l  
RT: 4.106 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

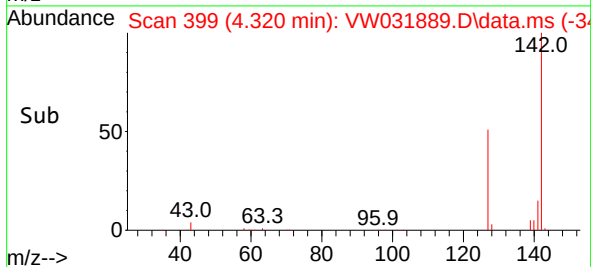
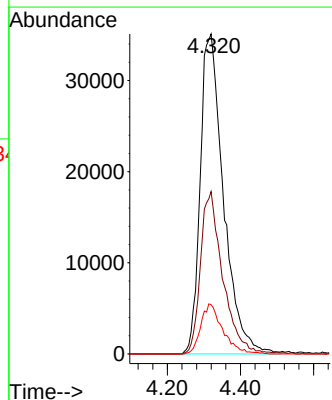
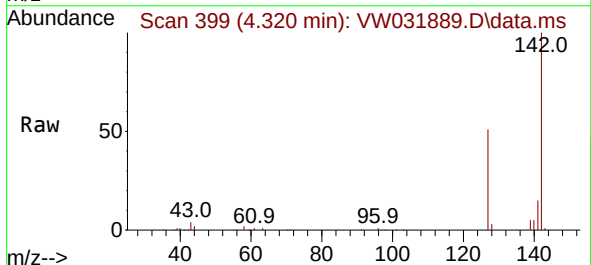
Instrument :  
MSVOA\_W  
ClientSampleId :

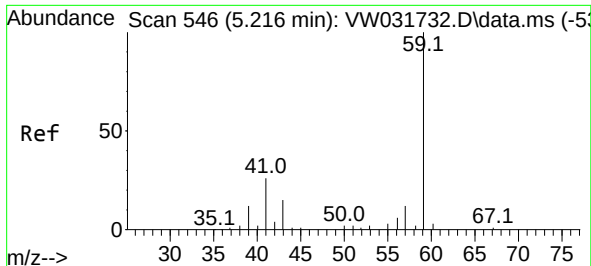
Tgt Ion:101 Resp: 112725  
Ion Ratio Lower Upper  
101 100  
85 45.5 35.6 53.4  
151 73.6 56.8 85.2



#10  
Methyl Iodide  
Concen: 46.842 ug/l  
RT: 4.320 min Scan# 399  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:142 Resp: 155506  
Ion Ratio Lower Upper  
142 100  
127 48.3 37.9 56.9  
141 14.8 11.7 17.5

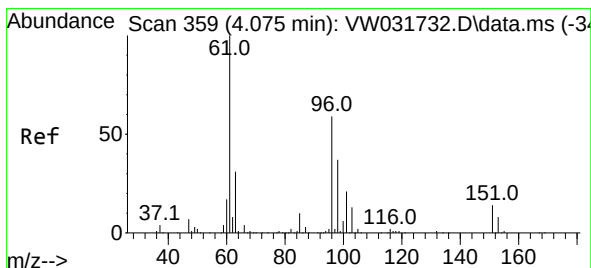
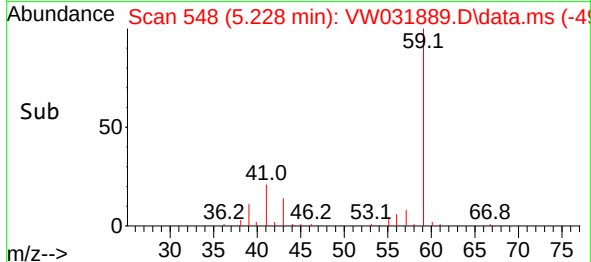
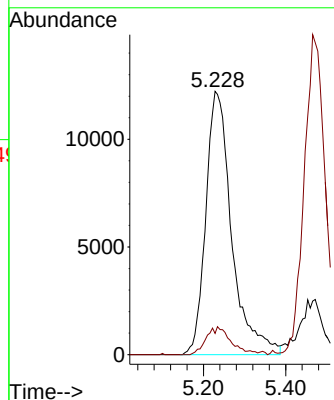
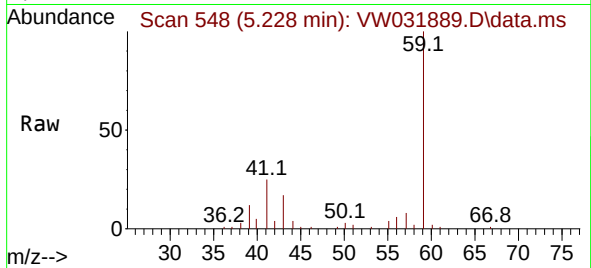




#11  
Tert butyl alcohol  
Concen: 304.117 ug/l  
RT: 5.228 min Scan# 54  
Delta R.T. 0.012 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

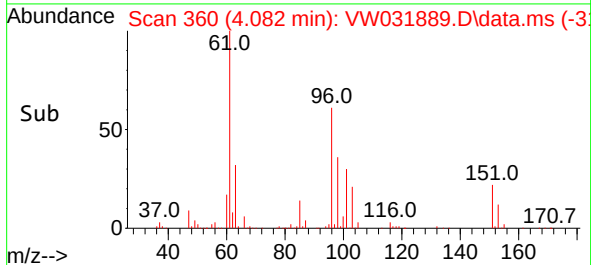
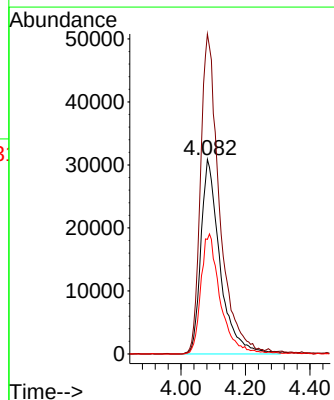
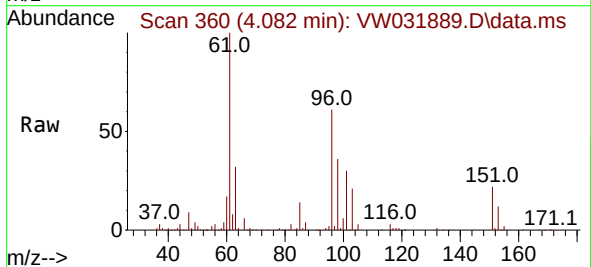
Instrument :  
MSVOA\_W  
ClientSampleId :

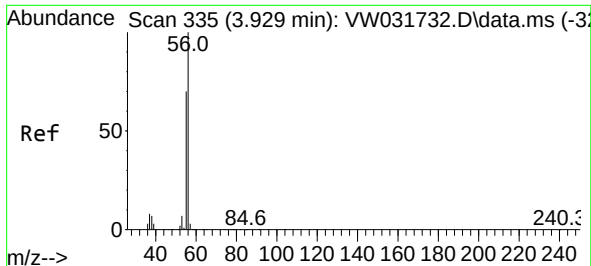
Tgt Ion: 59 Resp: 53524  
Ion Ratio Lower Upper  
59 100  
57 10.1 9.5 14.3



#12  
1,1-Dichloroethene  
Concen: 53.862 ug/l  
RT: 4.082 min Scan# 360  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 96 Resp: 127046  
Ion Ratio Lower Upper  
96 100  
61 164.5 135.8 203.8  
98 58.9 50.4 75.6

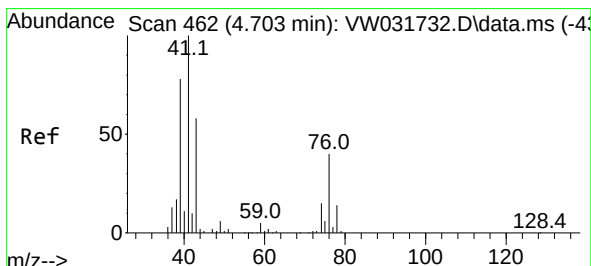
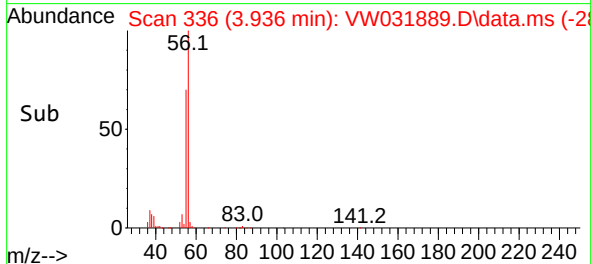
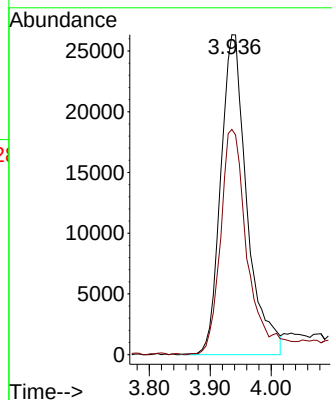
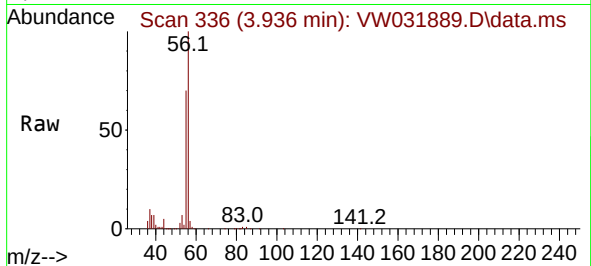




#13  
Acrolein  
Concen: 248.572 ug/l  
RT: 3.936 min Scan# 335  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

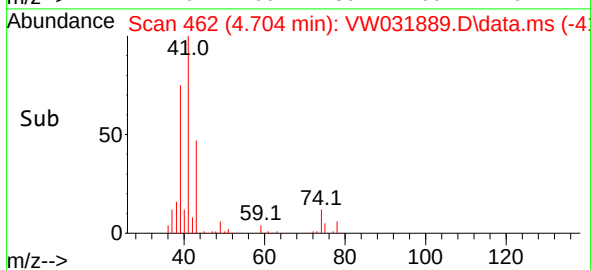
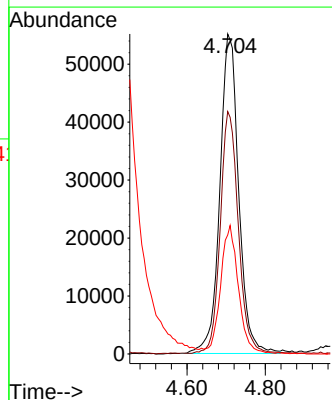
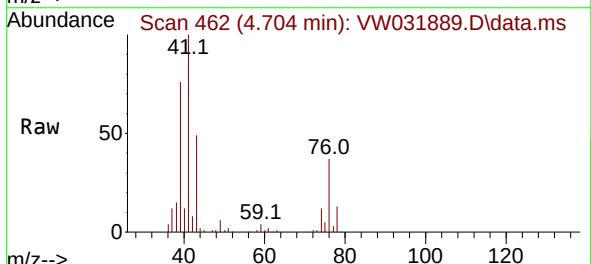
Instrument :  
MSVOA\_W  
ClientSampleId :

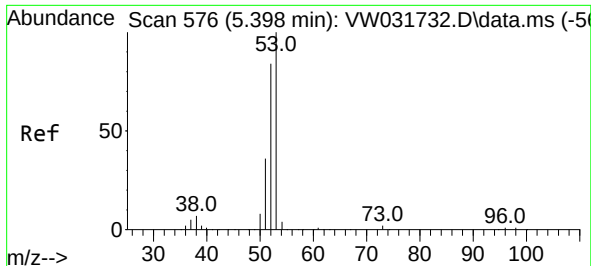
Tgt Ion: 56 Resp: 78630  
Ion Ratio Lower Upper  
56 100  
55 73.4 54.0 81.0



#14  
Allyl chloride  
Concen: 51.159 ug/l  
RT: 4.704 min Scan# 462  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 41 Resp: 185144  
Ion Ratio Lower Upper  
41 100  
39 72.2 60.7 91.1  
76 37.3 30.3 45.5

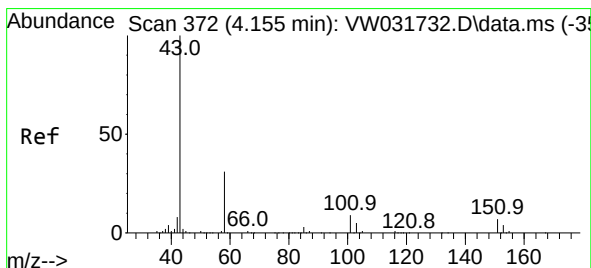
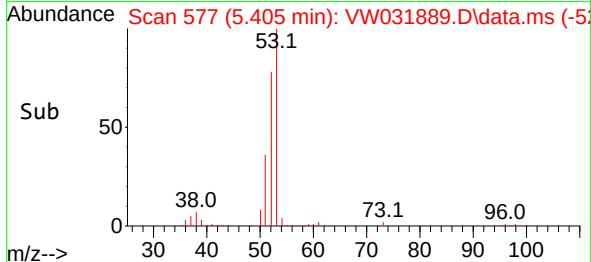
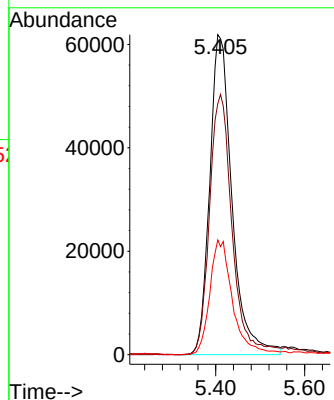
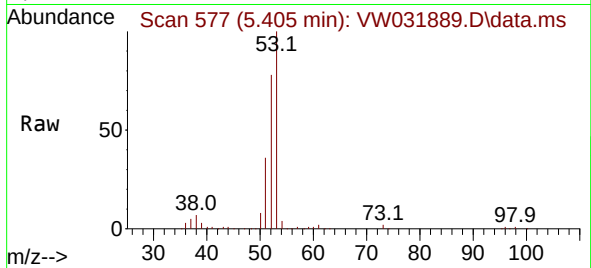




#15  
Acrylonitrile  
Concen: 297.735 ug/l  
RT: 5.405 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

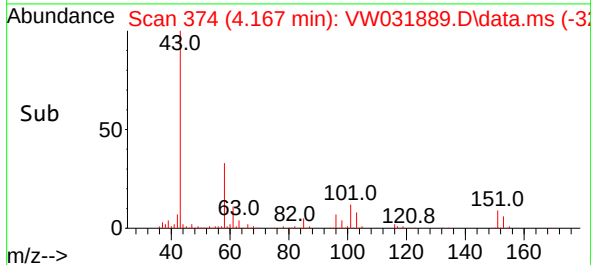
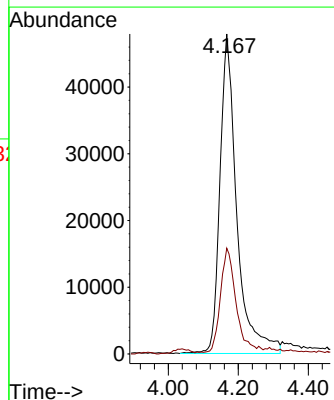
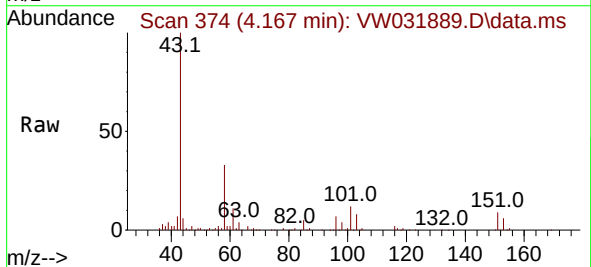
Instrument :  
MSVOA\_W  
ClientSampleId :

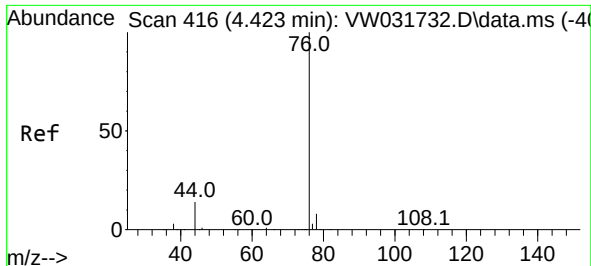
Tgt Ion: 53 Resp: 215846  
Ion Ratio Lower Upper  
53 100  
52 84.6 66.4 99.6  
51 37.1 29.9 44.9



#16  
Acetone  
Concen: 228.010 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. 0.012 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 43 Resp: 160101  
Ion Ratio Lower Upper  
43 100  
58 31.6 24.8 37.2

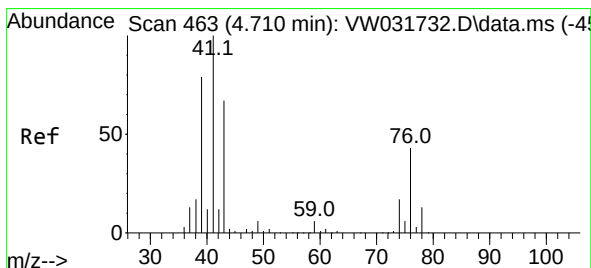
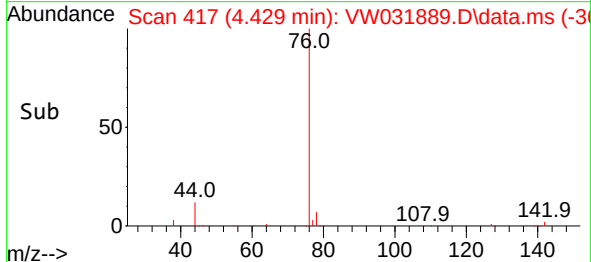
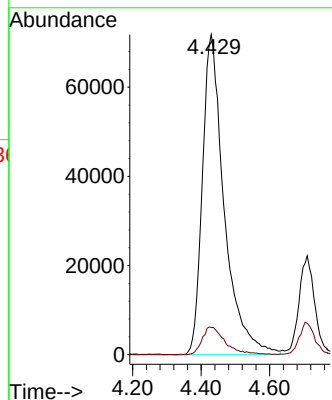
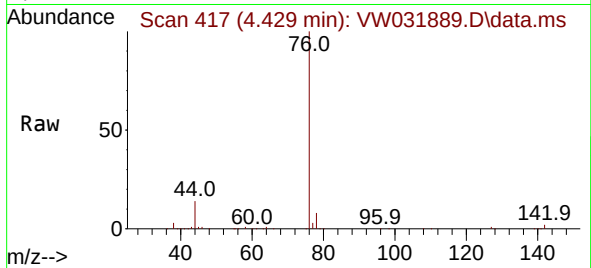




#17  
Carbon Disulfide  
Concen: 50.429 ug/l  
RT: 4.429 min Scan# 416  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

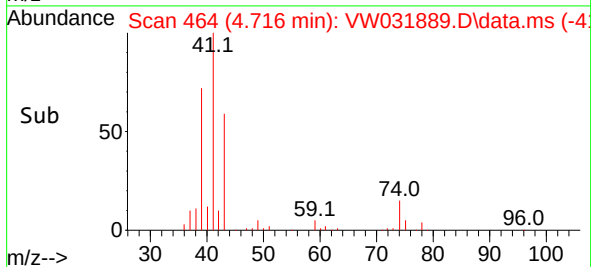
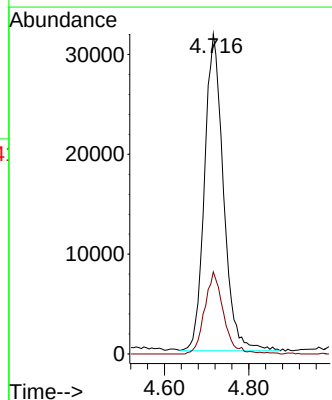
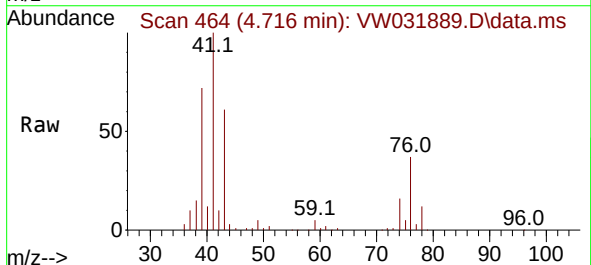
Instrument :  
MSVOA\_W  
ClientSampleId :

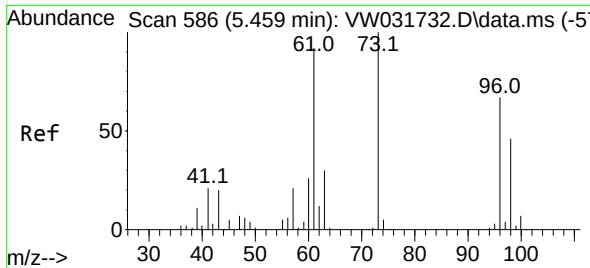
Tgt Ion: 76 Resp: 318296  
Ion Ratio Lower Upper  
76 100  
78 8.4 6.6 10.0



#18  
Methyl Acetate  
Concen: 49.365 ug/l  
RT: 4.716 min Scan# 464  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 43 Resp: 99065  
Ion Ratio Lower Upper  
43 100  
74 25.8 20.6 30.8

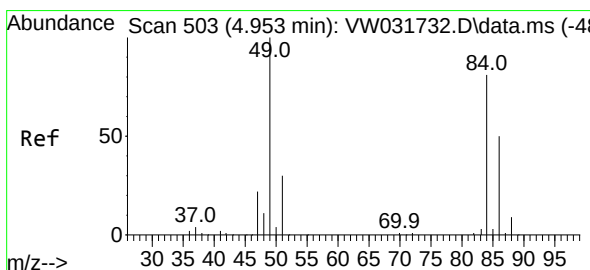
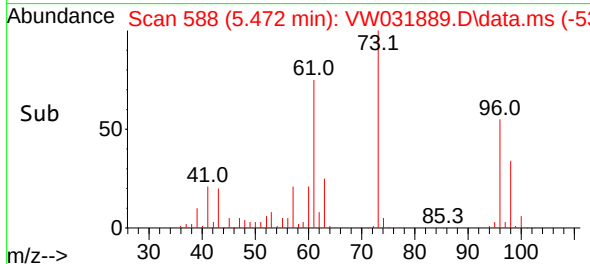
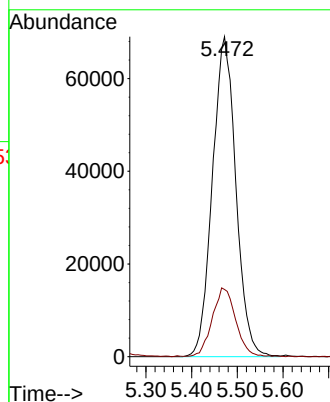
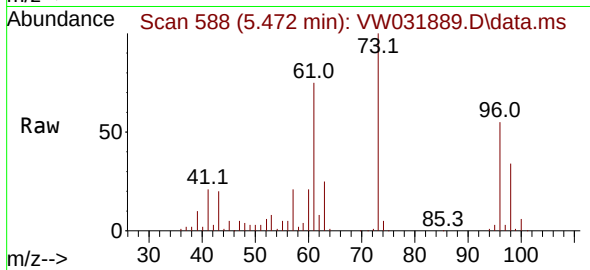




#19  
Methyl tert-butyl Ether  
Concen: 61.489 ug/l  
RT: 5.472 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

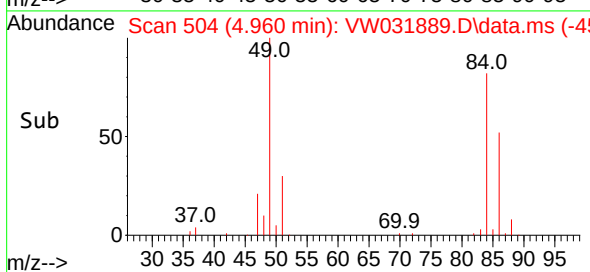
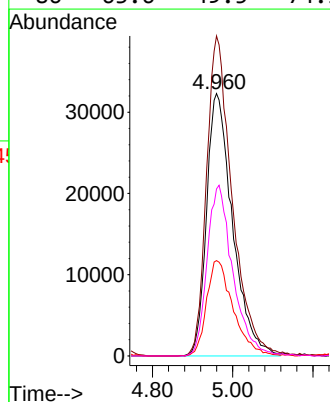
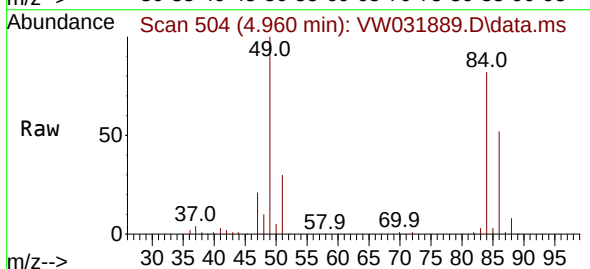
Instrument :  
MSVOA\_W  
ClientSampleId :

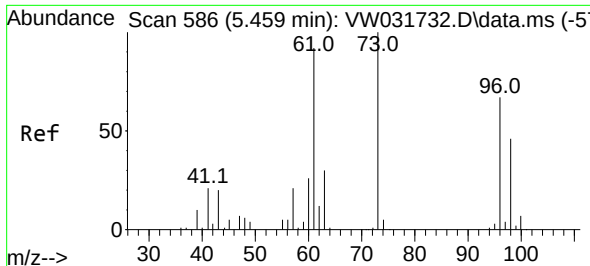
Tgt Ion: 73 Resp: 246170  
Ion Ratio Lower Upper  
73 100  
57 20.9 17.2 25.8



#20  
Methylene Chloride  
Concen: 52.094 ug/l  
RT: 4.960 min Scan# 504  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 84 Resp: 145148  
Ion Ratio Lower Upper  
84 100  
49 121.8 98.2 147.4  
51 36.4 29.8 44.8  
86 63.6 49.5 74.3

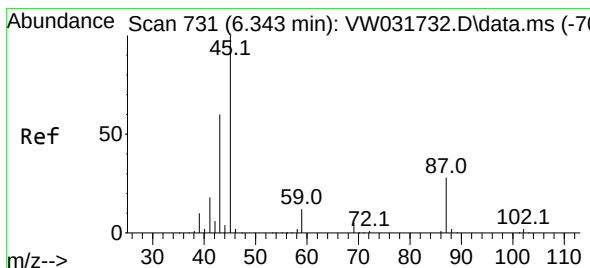
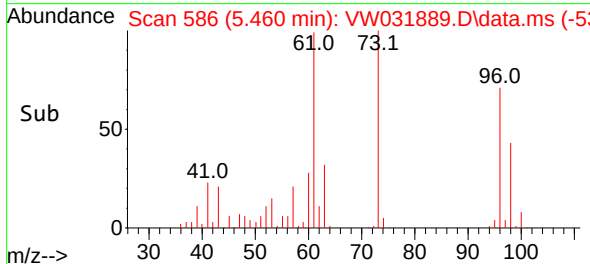
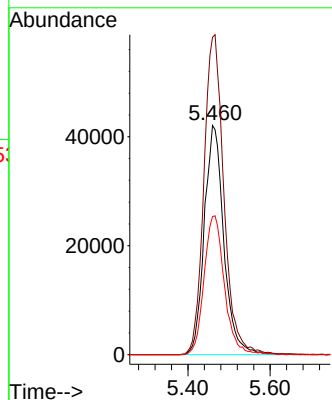
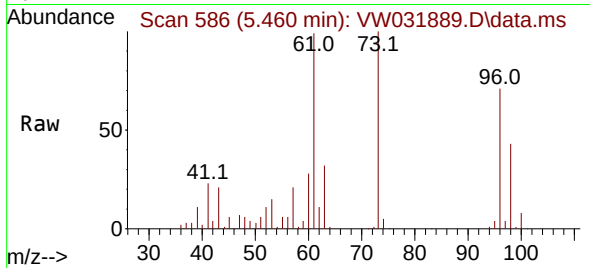




#21  
trans-1,2-Dichloroethene  
Concen: 55.413 ug/l  
RT: 5.460 min Scan# 586  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

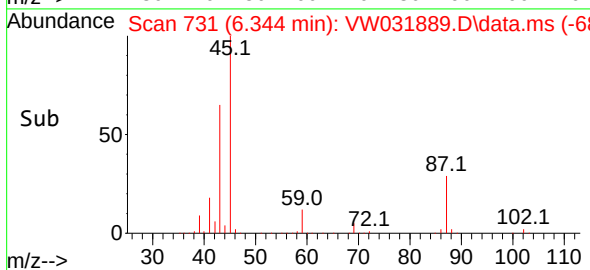
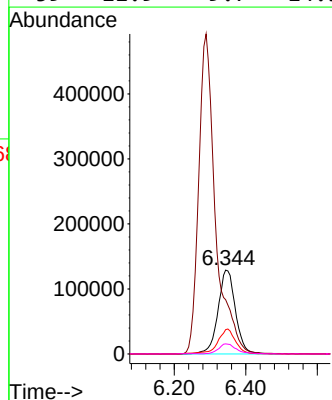
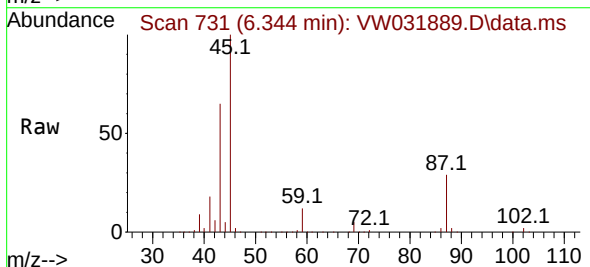
Instrument :  
MSVOA\_W  
ClientSampleId :

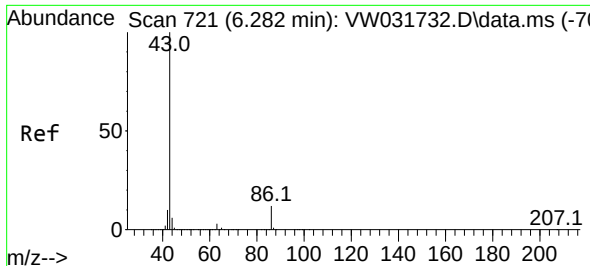
Tgt Ion: 96 Resp: 138881  
Ion Ratio Lower Upper  
96 100  
61 138.4 109.8 164.6  
98 60.2 54.9 82.3



#22  
Diisopropyl ether  
Concen: 61.882 ug/l  
RT: 6.344 min Scan# 731  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

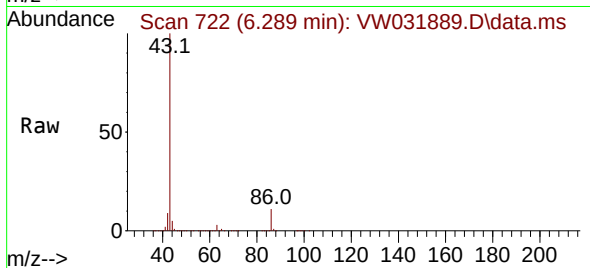
Tgt Ion: 45 Resp: 436773  
Ion Ratio Lower Upper  
45 100  
43 64.6 48.3 72.5  
87 29.1 22.6 34.0  
59 11.9 9.7 14.5



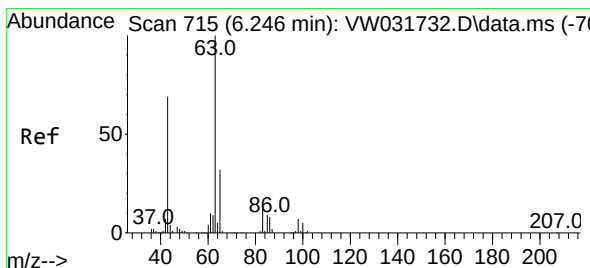
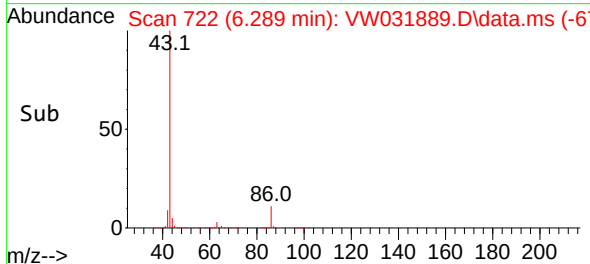
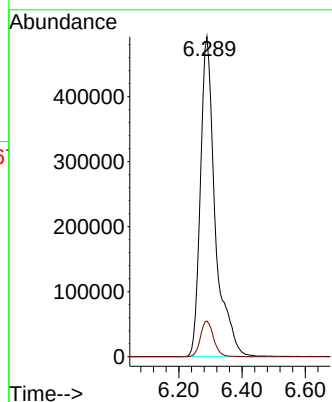


#23  
 Vinyl Acetate  
 Concen: 333.223 ug/l  
 RT: 6.289 min Scan# 715  
 Delta R.T. 0.006 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

Instrument :  
 MSVOA\_W  
 ClientSampleId :

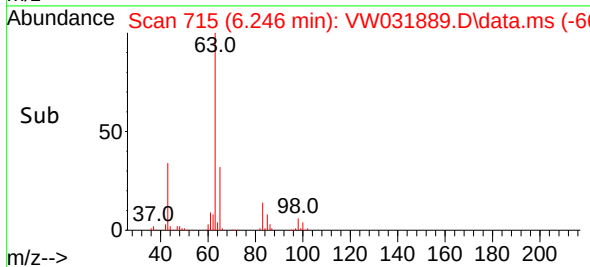
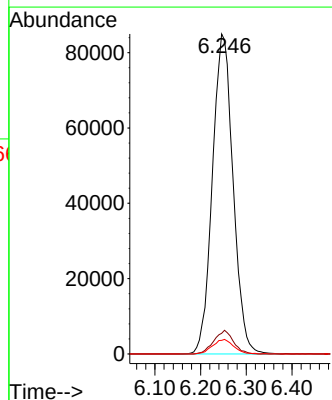
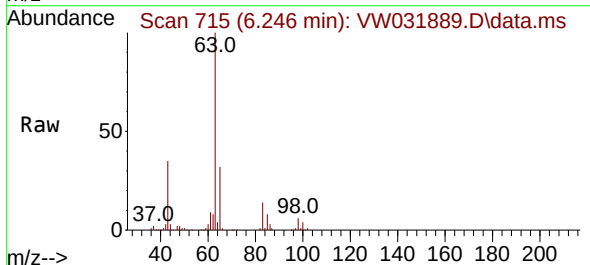


Tgt Ion: 43 Resp: 1606475  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 9.2 13.8

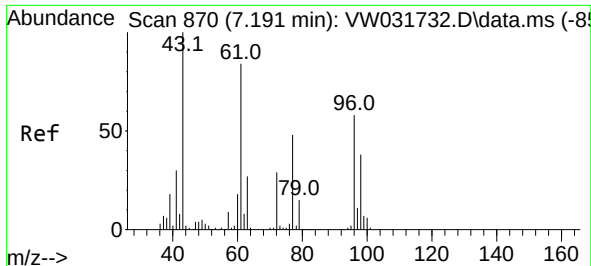


#24  
 1,1-Dichloroethane  
 Concen: 58.296 ug/l  
 RT: 6.246 min Scan# 715  
 Delta R.T. 0.000 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

Tgt Ion: 63 Resp: 266763  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.5 10.6  
 100 4.3 2.5 7.5



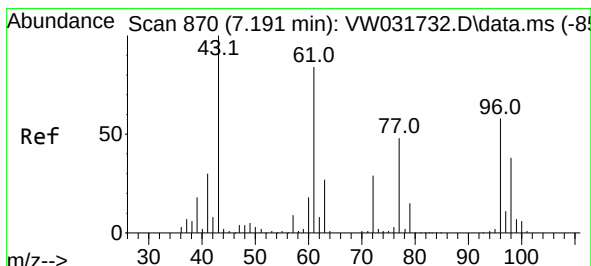
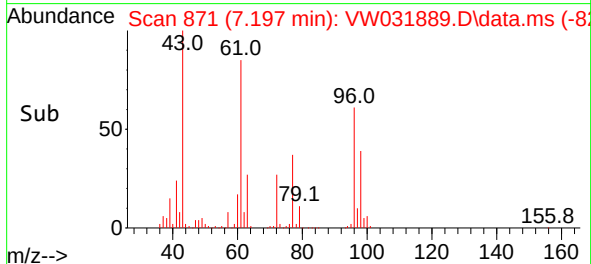
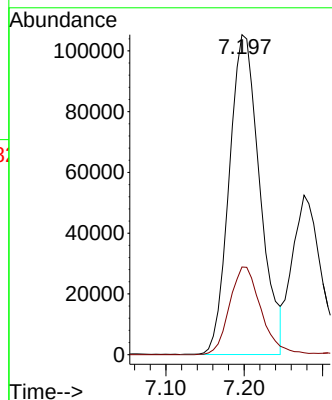
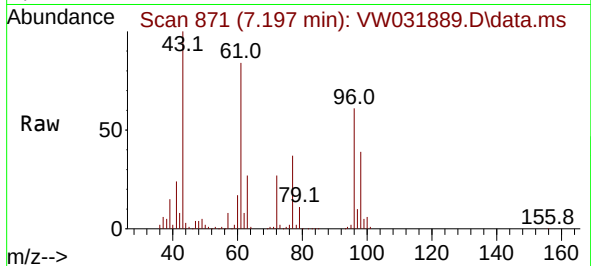




#25  
2-Butanone  
Concen: 313.357 ug/l  
RT: 7.197 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

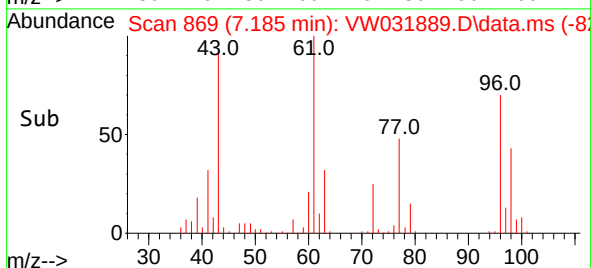
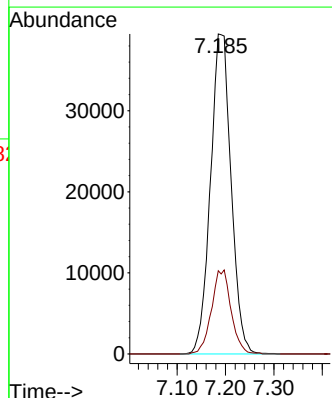
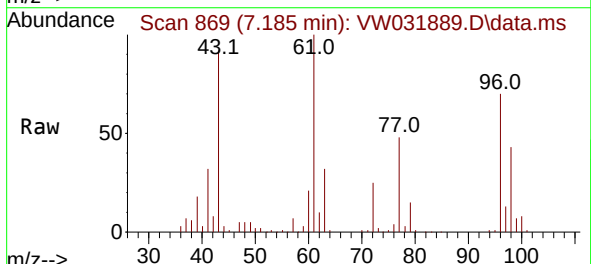
Instrument :  
MSVOA\_W  
ClientSampleId :

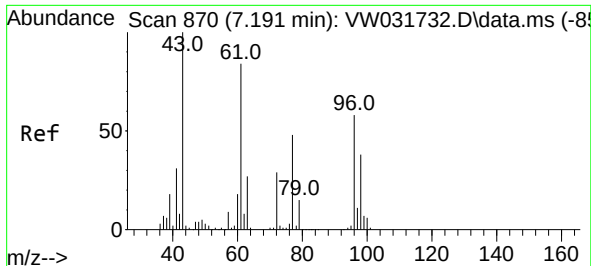
Tgt Ion: 43 Resp: 286251  
Ion Ratio Lower Upper  
43 100  
72 27.4 23.0 34.6



#26  
2,2-Dichloropropane  
Concen: 43.886 ug/l  
RT: 7.185 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 77 Resp: 117169  
Ion Ratio Lower Upper  
77 100  
97 25.0 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 59.971 ug/l

RT: 7.197 min Scan# 81

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

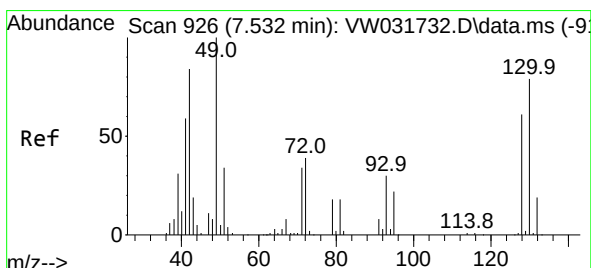
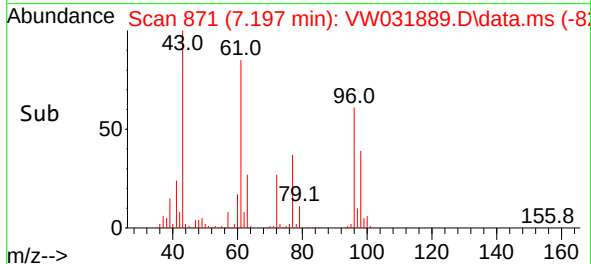
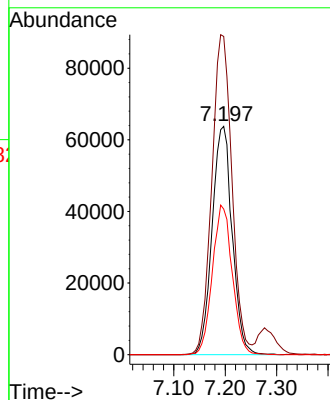
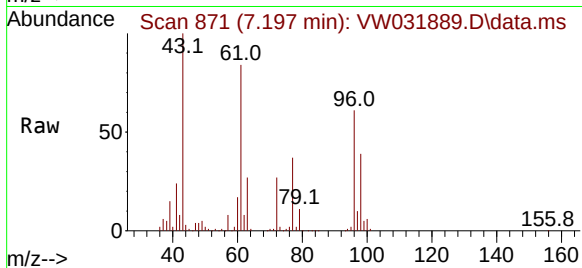
Tgt Ion: 96 Resp: 172773

Ion Ratio Lower Upper

96 100

61 141.1 0.0 286.8

98 65.1 0.0 130.4



#28

Bromochloromethane

Concen: 58.189 ug/l

RT: 7.532 min Scan# 926

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

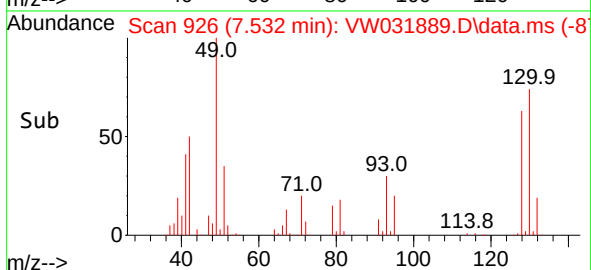
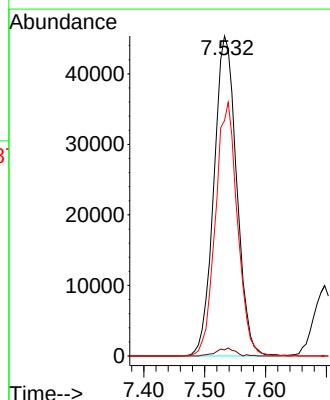
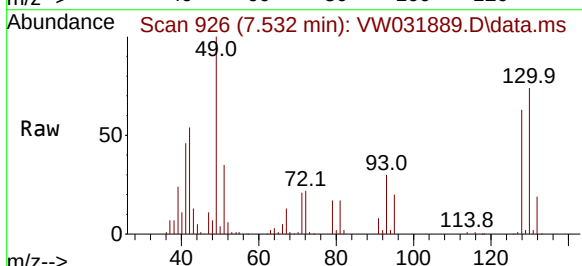
Tgt Ion: 49 Resp: 117502

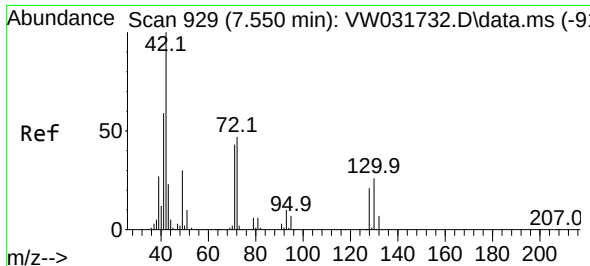
Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.4

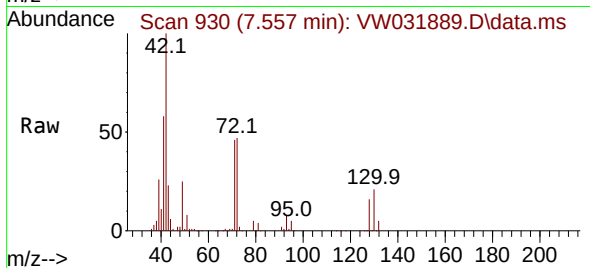
130 76.6 61.3 91.9



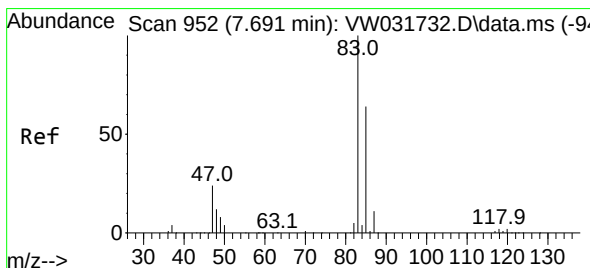
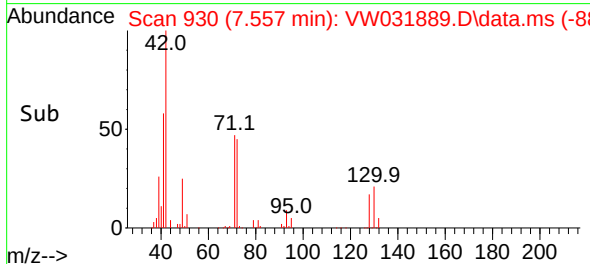
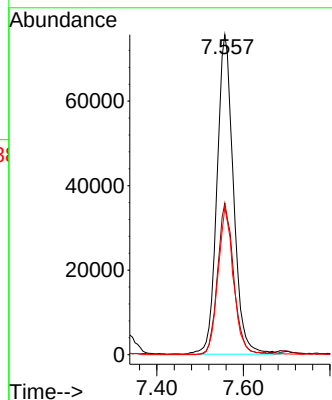


#29  
Tetrahydrofuran  
Concen: 320.884 ug/l  
RT: 7.557 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :

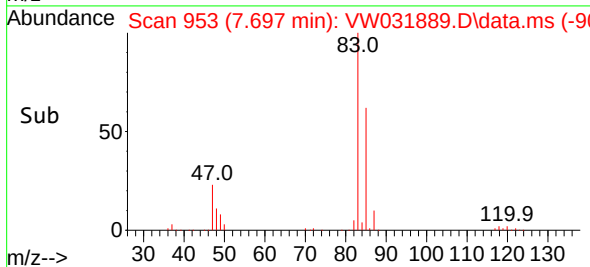
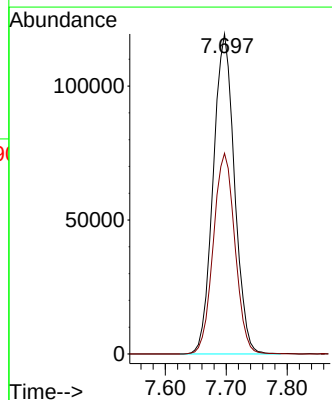
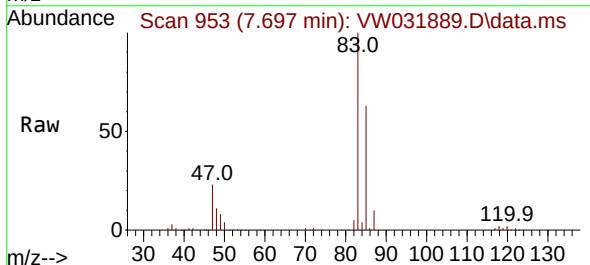


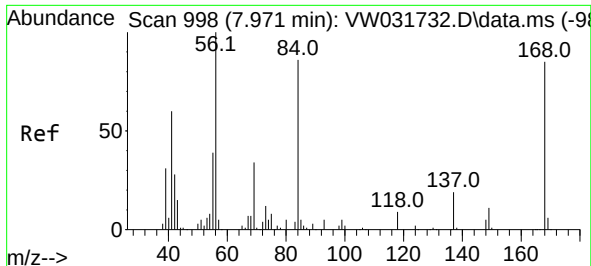
Tgt Ion: 42 Resp: 200742  
Ion Ratio Lower Upper  
42 100  
72 45.7 36.8 55.2  
71 43.4 34.6 52.0



#30  
Chloroform  
Concen: 59.715 ug/l  
RT: 7.697 min Scan# 953  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

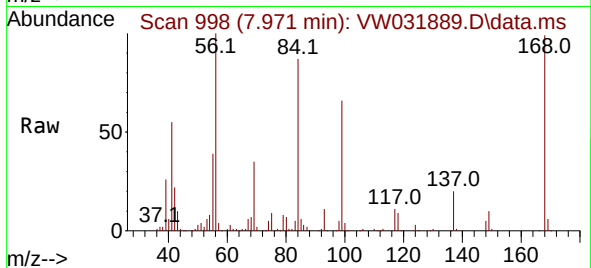
Tgt Ion: 83 Resp: 290355  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.4 77.0



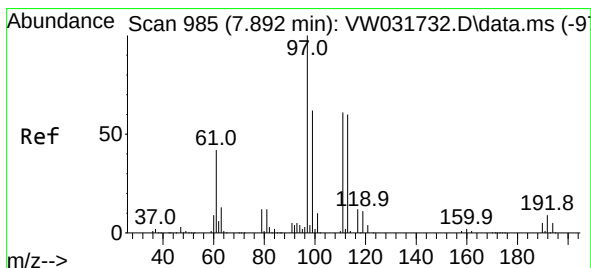
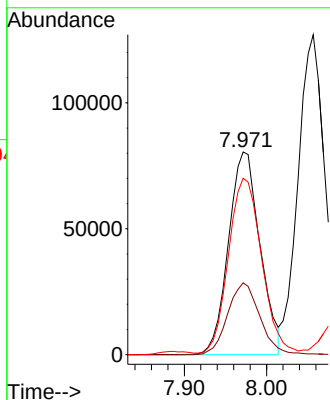
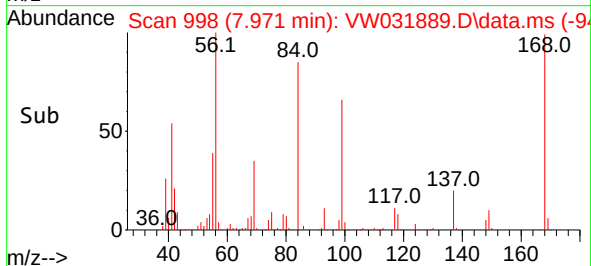


#31  
Cyclohexane  
Concen: 53.079 ug/l  
RT: 7.971 min Scan# 998  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :

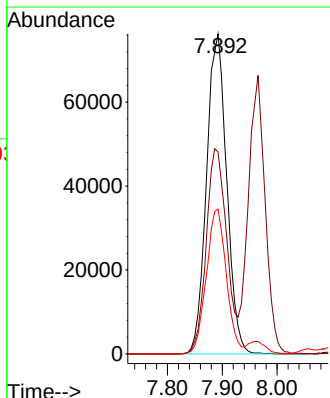
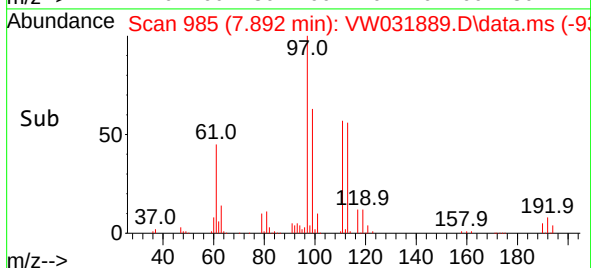
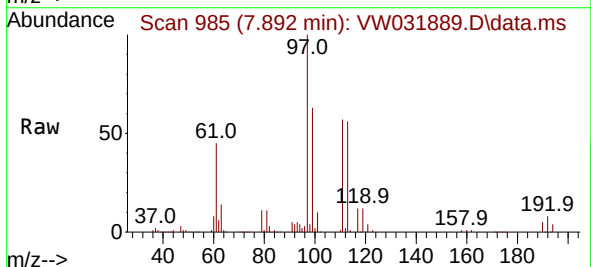


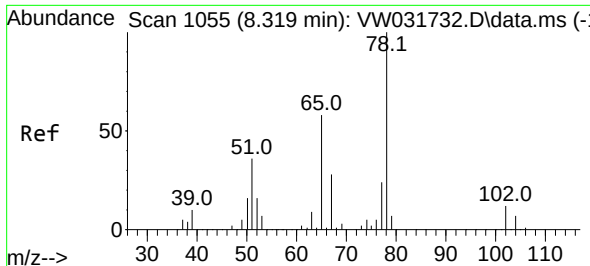
Tgt Ion: 56 Resp: 214701  
Ion Ratio Lower Upper  
56 100  
69 35.4 27.2 40.8  
84 85.7 68.5 102.7



#32  
1,1,1-Trichloroethane  
Concen: 51.943 ug/l  
RT: 7.892 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 97 Resp: 194637  
Ion Ratio Lower Upper  
97 100  
99 65.5 51.0 76.6  
61 45.2 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 57.480 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

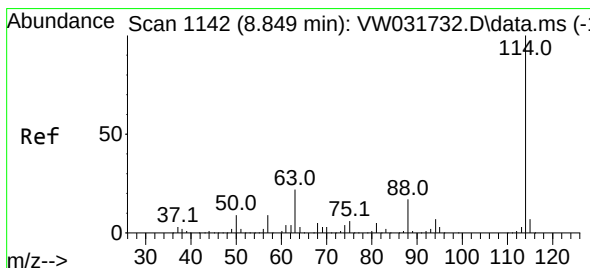
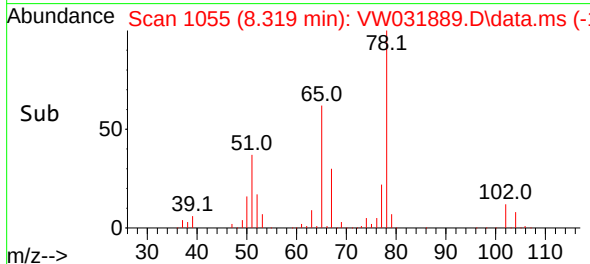
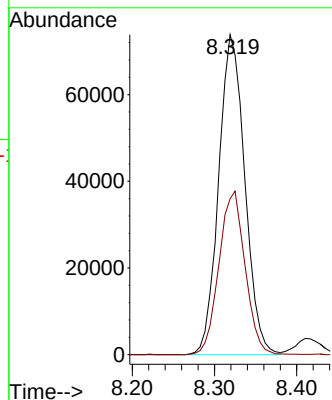
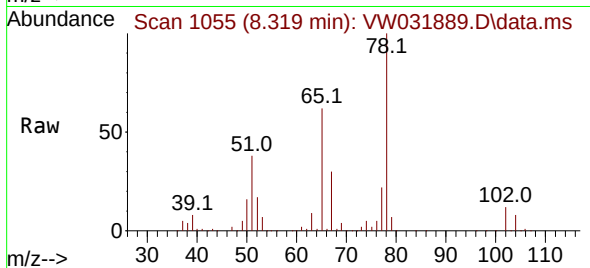
ClientSampleId :

Tgt Ion: 65 Resp: 163290

Ion Ratio Lower Upper

65 100

67 51.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

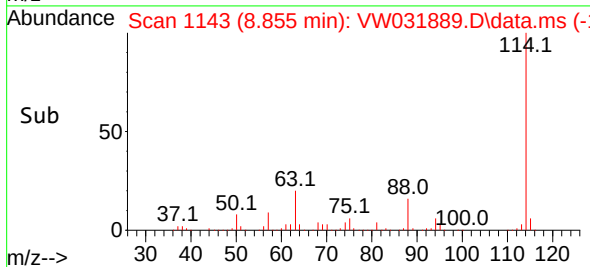
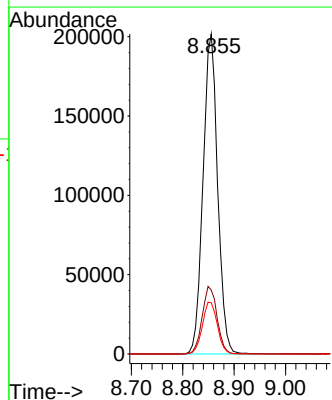
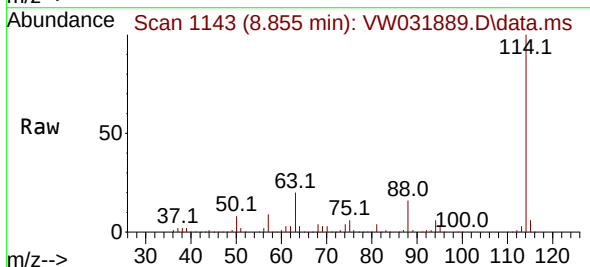
Tgt Ion: 114 Resp: 397272

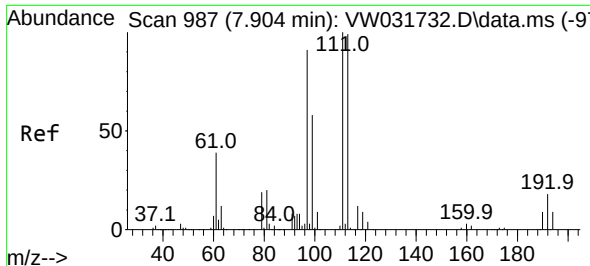
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.6

88 16.0 0.0 34.2

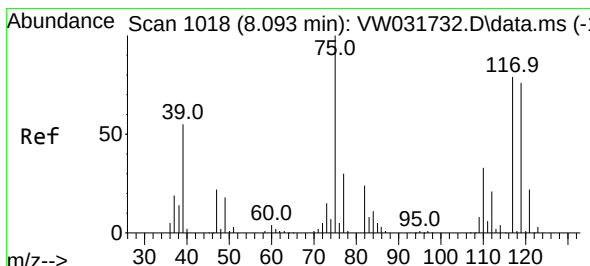
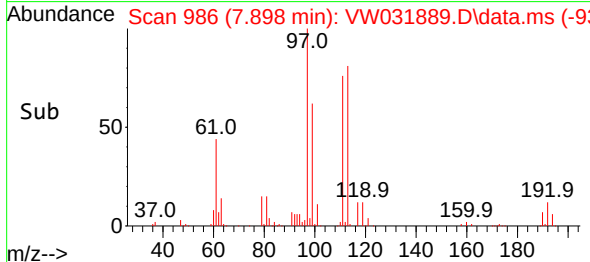
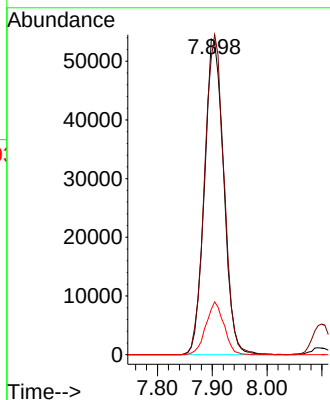
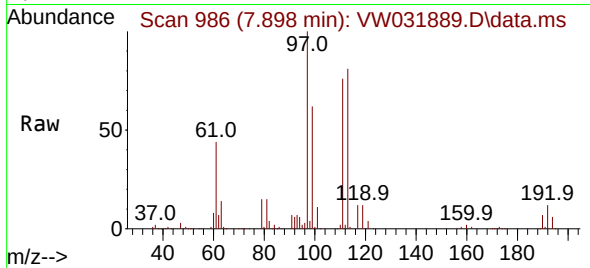




#35  
 Dibromofluoromethane  
 Concen: 50.494 ug/l  
 RT: 7.898 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

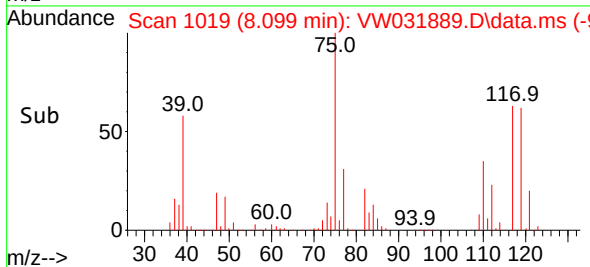
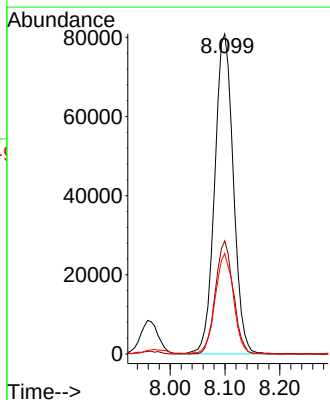
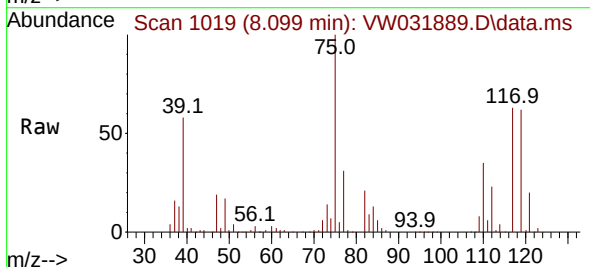
Instrument :  
 MSVOA\_W  
 ClientSampleId :

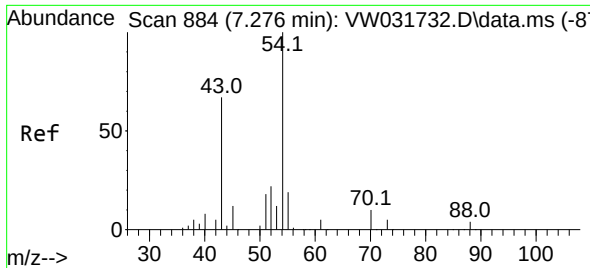
Tgt Ion:113 Resp: 130899  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 82.1 123.1  
 192 15.7 13.8 20.6



#36  
 1,1-Dichloropropene  
 Concen: 51.011 ug/l  
 RT: 8.099 min Scan# 1019  
 Delta R.T. 0.006 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

Tgt Ion: 75 Resp: 191355  
 Ion Ratio Lower Upper  
 75 100  
 110 33.9 16.8 50.4  
 77 30.7 25.0 37.6

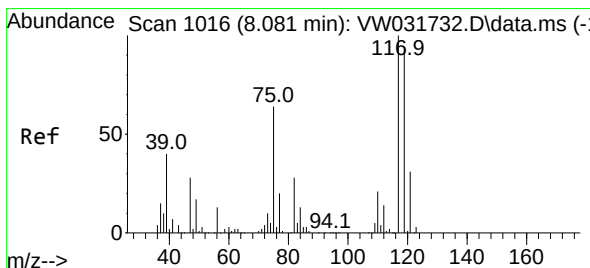
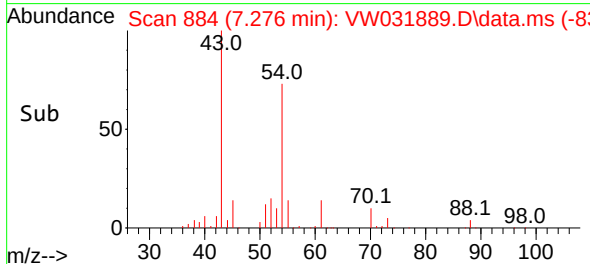
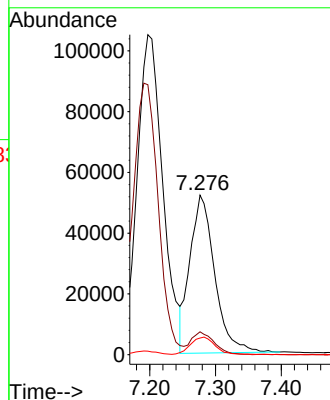
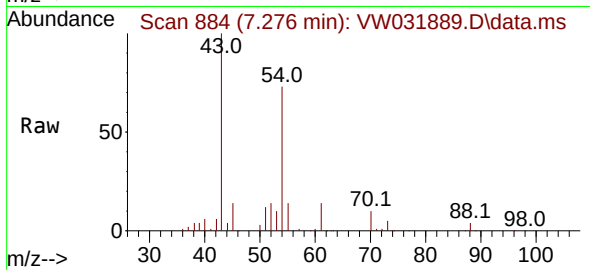




#37  
Ethyl Acetate  
Concen: 57.425 ug/l  
RT: 7.276 min Scan# 884  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

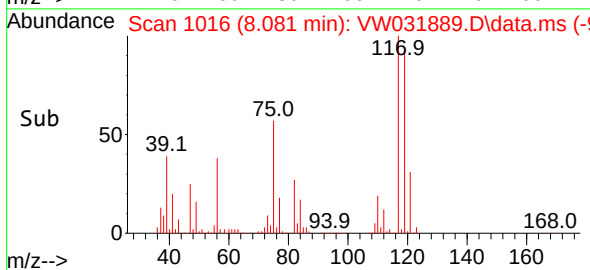
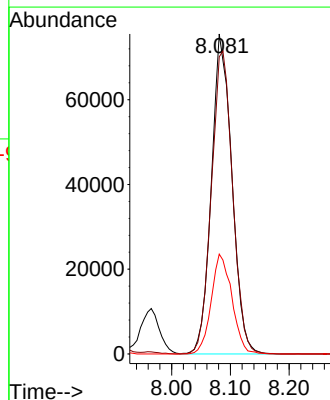
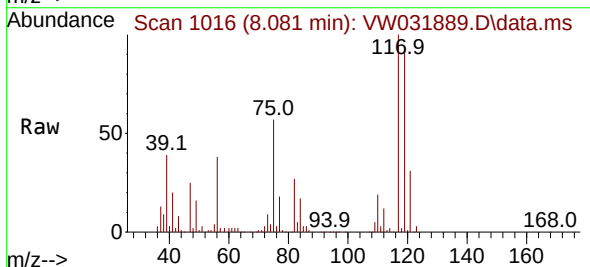
Instrument :  
MSVOA\_W  
ClientSampleId :

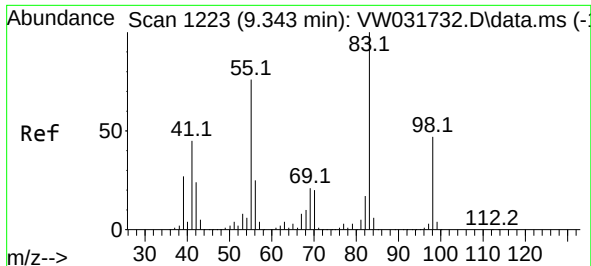
Tgt Ion: 43 Resp: 135890  
Ion Ratio Lower Upper  
43 100  
61 13.1 10.9 16.3  
70 11.1 9.2 13.8



#38  
Carbon Tetrachloride  
Concen: 47.824 ug/l  
RT: 8.081 min Scan# 1016  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 117 Resp: 182816  
Ion Ratio Lower Upper  
117 100  
119 92.8 75.0 112.6  
121 31.2 24.6 37.0





#39

Methylcyclohexane

Concen: 53.371 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

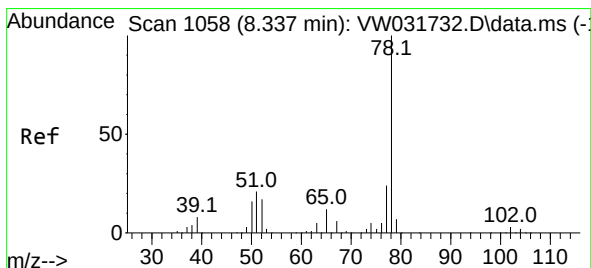
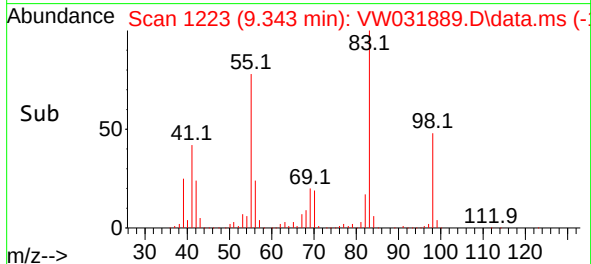
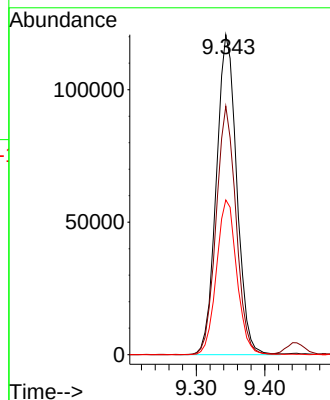
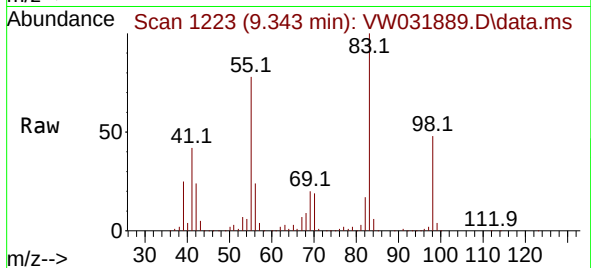
Tgt Ion: 83 Resp: 249093

Ion Ratio Lower Upper

83 100

55 77.6 61.0 91.4

98 48.3 37.9 56.9



#40

Benzene

Concen: 54.068 ug/l

RT: 8.337 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VW031889.D

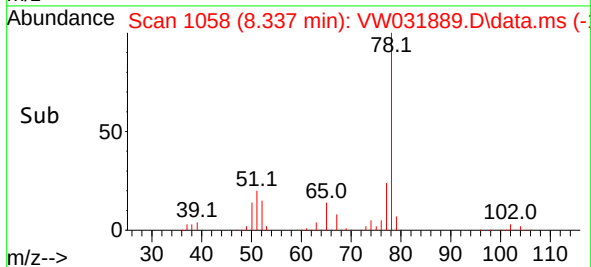
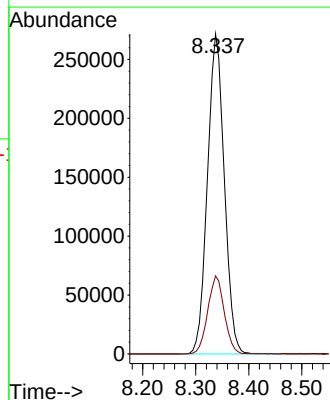
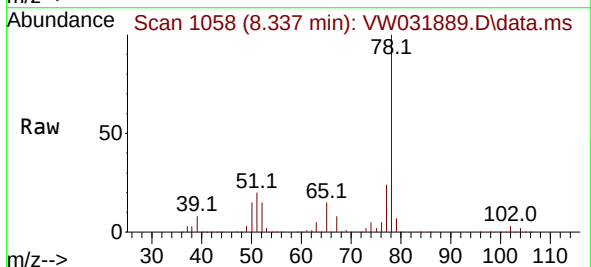
Acq: 17 Jul 2025 15:16

Tgt Ion: 78 Resp: 600080

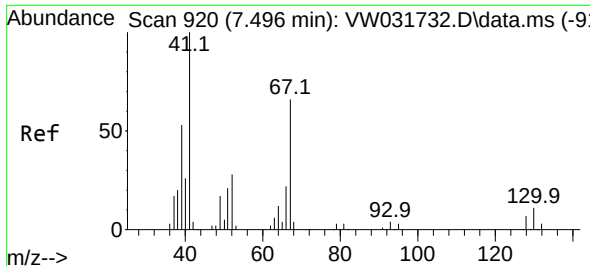
Ion Ratio Lower Upper

78 100

77 24.4 19.2 28.8



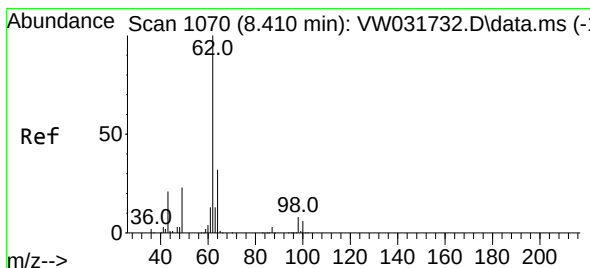
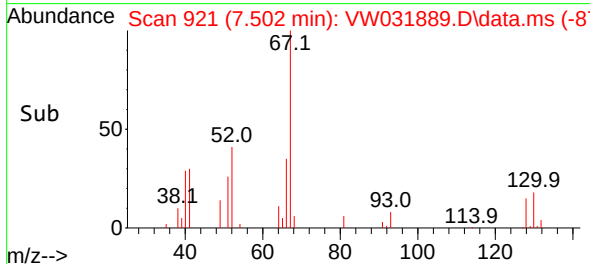
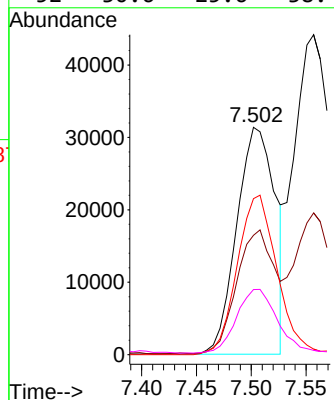
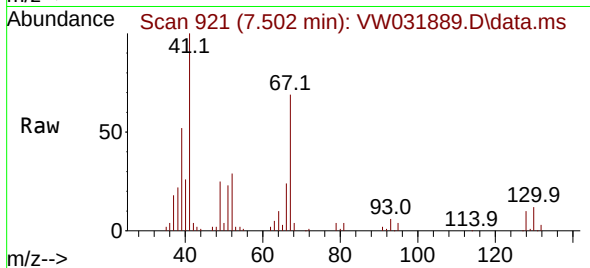




#41  
Methacrylonitrile  
Concen: 60.357 ug/l  
RT: 7.502 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

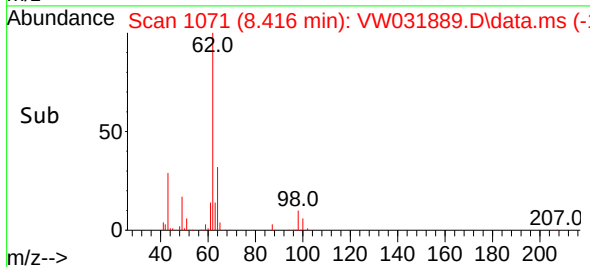
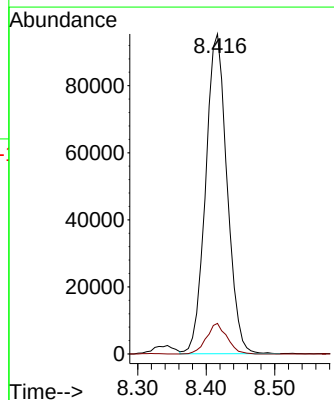
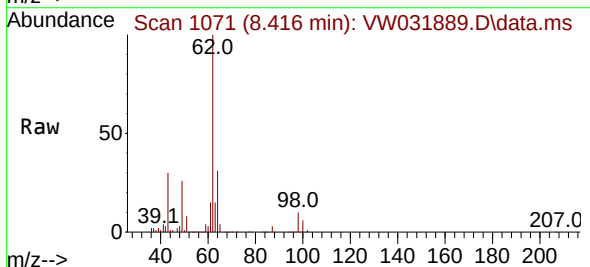
Instrument :  
MSVOA\_W  
ClientSampleId :

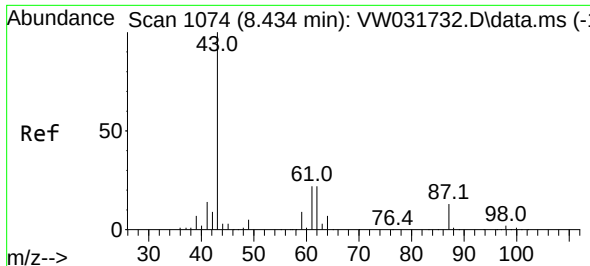
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 76513 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 53.7     | 43.2 64.8   |
| 67 73.4     | 58.1 87.1   |
| 52 30.6     | 25.6 38.4   |



#42  
1,2-Dichloroethane  
Concen: 55.216 ug/l  
RT: 8.416 min Scan# 1071  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

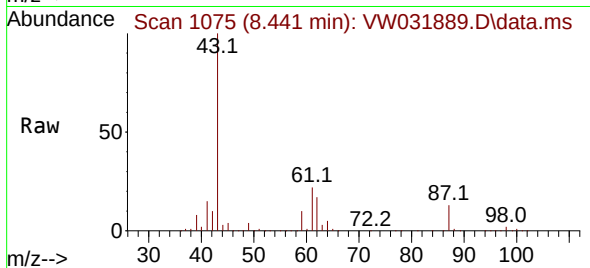
|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 207064 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 9.2      | 0.0 17.2     |



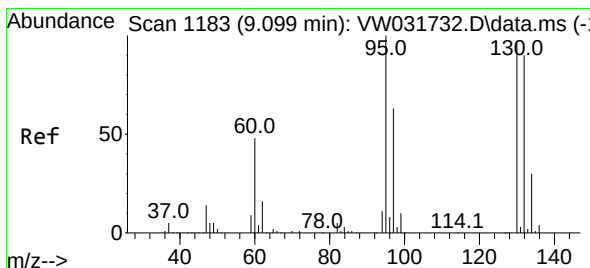
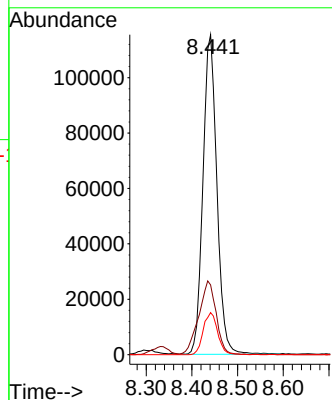
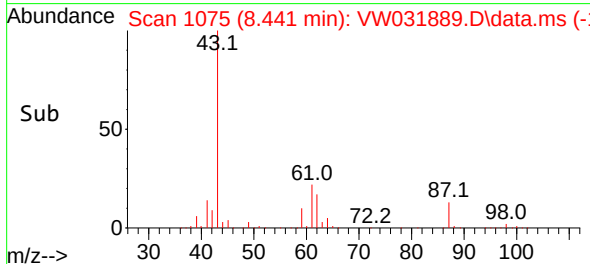


#43  
Isopropyl Acetate  
Concen: 59.735 ug/l  
RT: 8.441 min Scan# 1075  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :

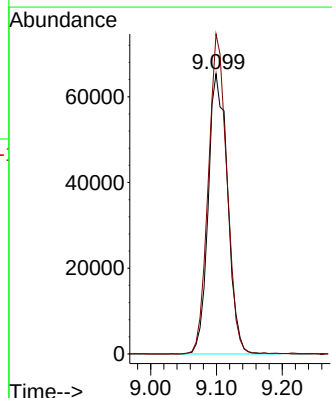
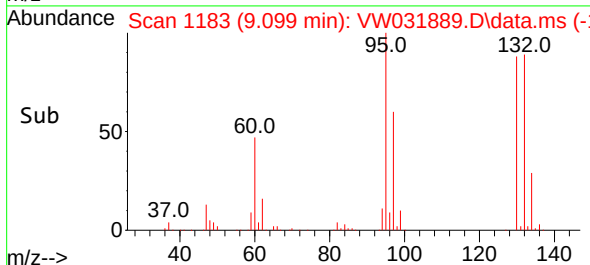
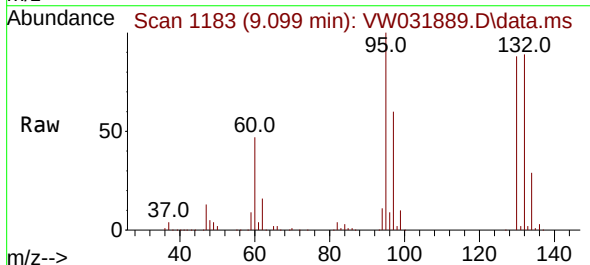


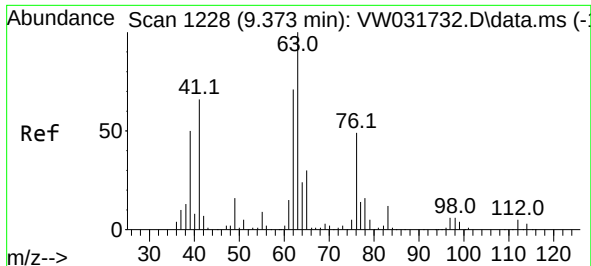
Tgt Ion: 43 Resp: 243667  
Ion Ratio Lower Upper  
43 100  
61 28.8 23.1 34.7  
87 13.6 10.8 16.2



#44  
Trichloroethene  
Concen: 48.388 ug/l  
RT: 9.099 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:130 Resp: 134040  
Ion Ratio Lower Upper  
130 100  
95 114.2 0.0 208.6





#45

1,2-Dichloropropane

Concen: 54.283 ug/l

RT: 9.374 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

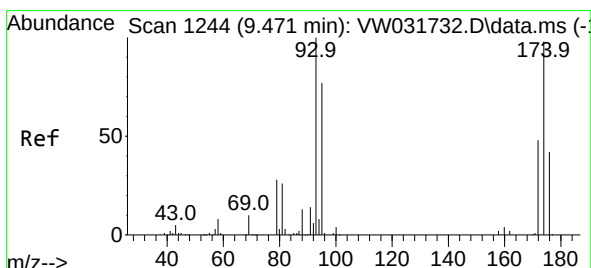
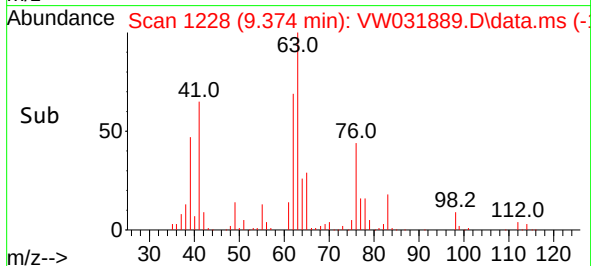
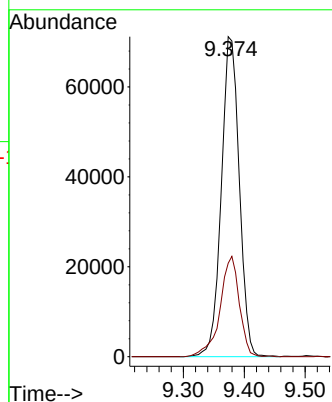
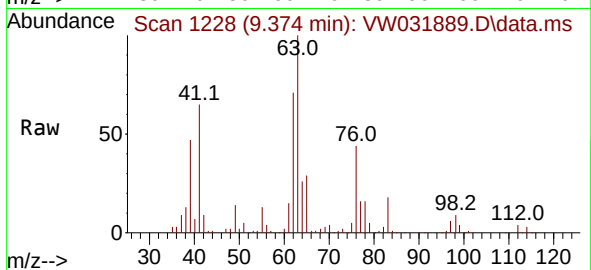
ClientSampleId :

Tgt Ion: 63 Resp: 145608

Ion Ratio Lower Upper

63 100

65 29.2 24.2 36.4



#46

Dibromomethane

Concen: 57.339 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

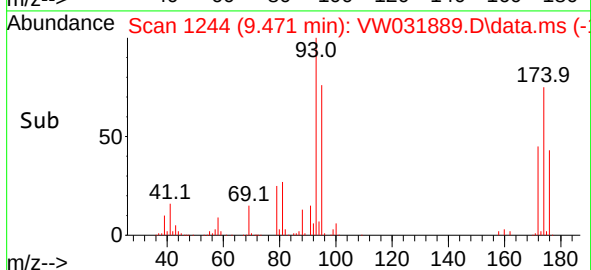
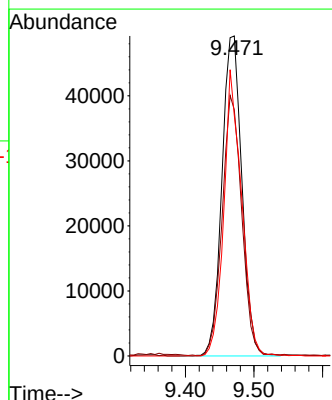
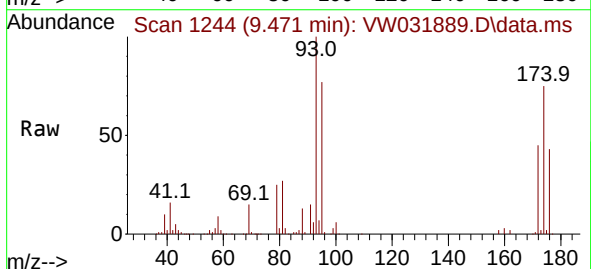
Tgt Ion: 93 Resp: 99297

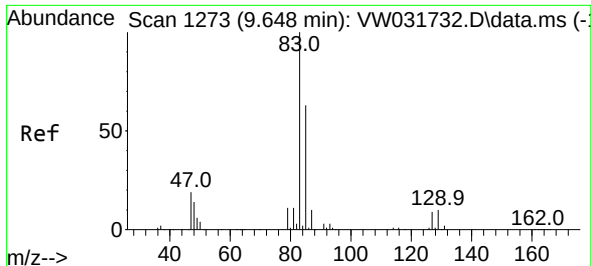
Ion Ratio Lower Upper

93 100

95 79.6 67.0 100.4

174 79.7 71.7 107.5

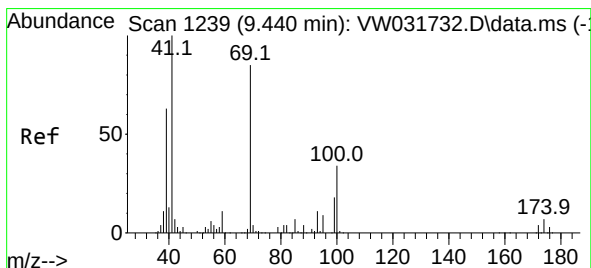
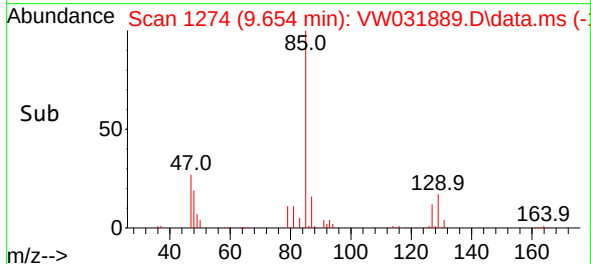
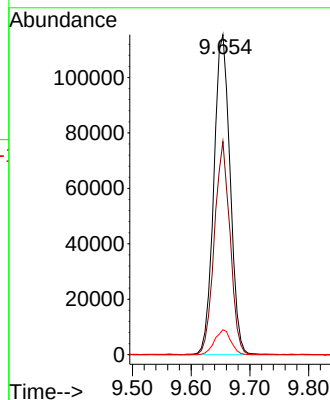
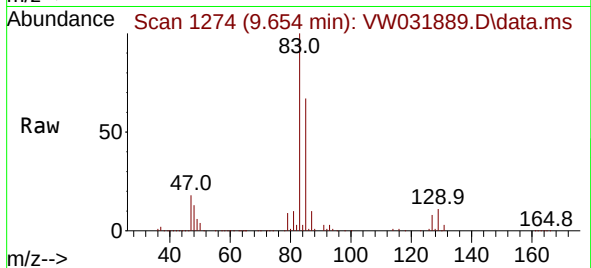




#47  
Bromodichloromethane  
Concen: 54.657 ug/l  
RT: 9.654 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

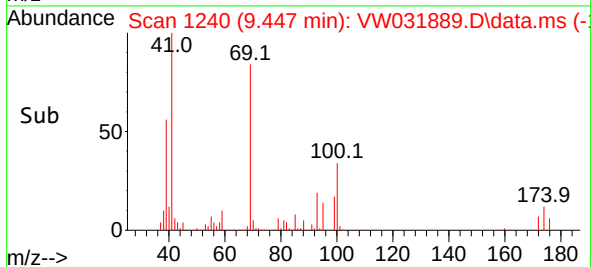
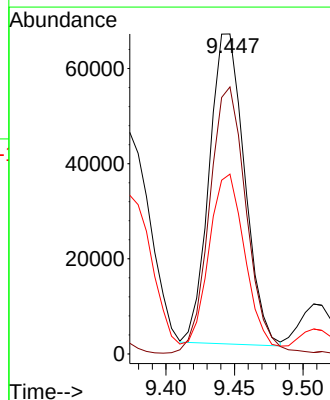
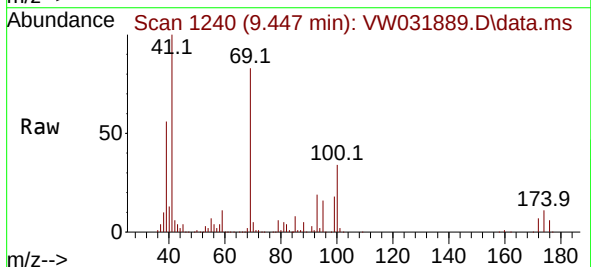
Instrument :  
MSVOA\_W  
ClientSampleId :

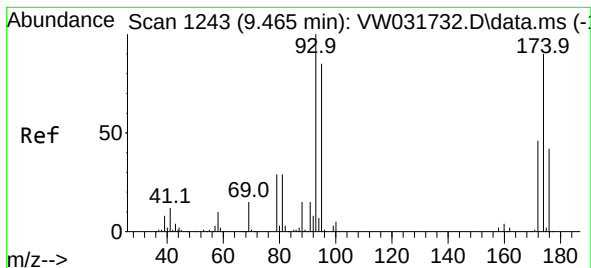
Tgt Ion: 83 Resp: 221960  
Ion Ratio Lower Upper  
83 100  
85 66.6 50.8 76.2  
127 7.8 6.8 10.2



#48  
Methyl methacrylate  
Concen: 58.257 ug/l  
RT: 9.447 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 41 Resp: 116848  
Ion Ratio Lower Upper  
41 100  
69 90.6 71.6 107.4  
39 55.6 49.5 74.3





#49

1,4-Dioxane

Concen: 1271.049 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

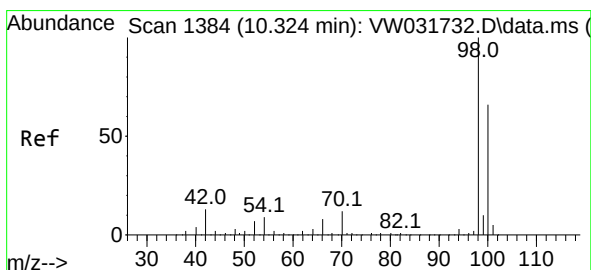
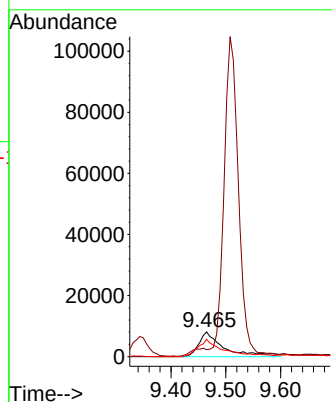
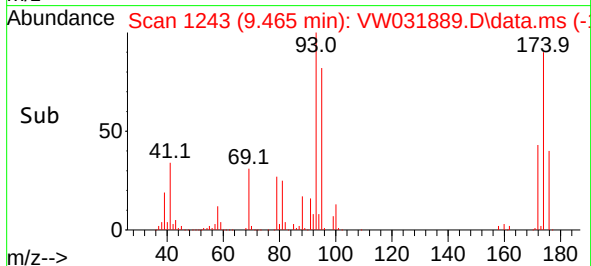
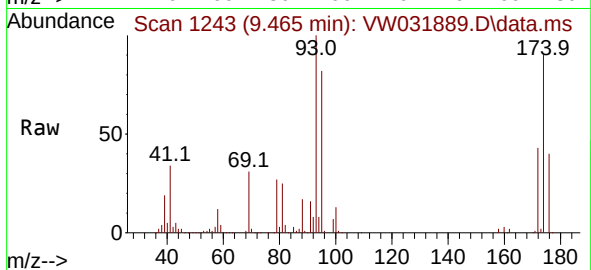
Tgt Ion: 88 Resp: 25780

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 67.9 58.3 87.5



#50

Toluene-d8

Concen: 50.494 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031889.D

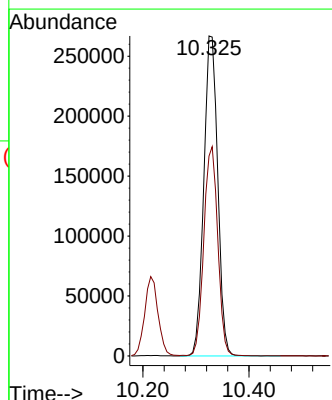
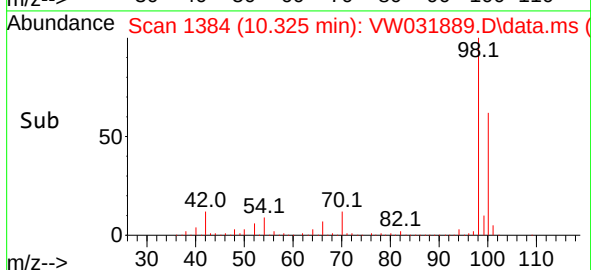
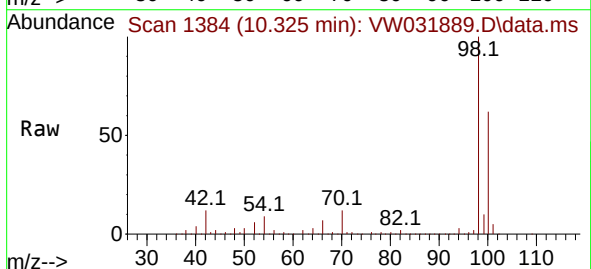
Acq: 17 Jul 2025 15:16

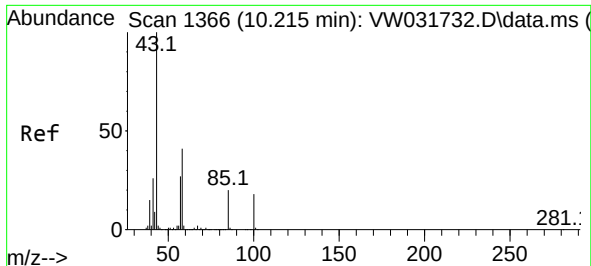
Tgt Ion: 98 Resp: 487133

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4

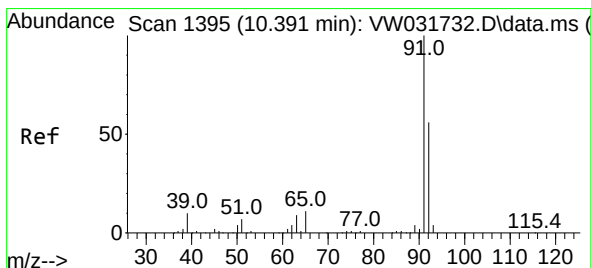
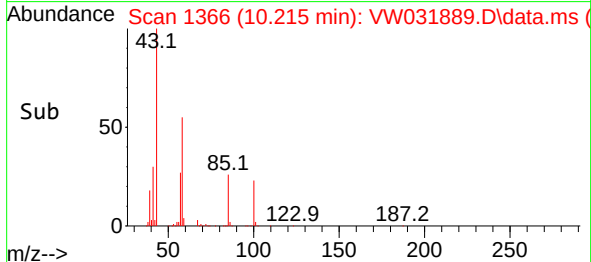
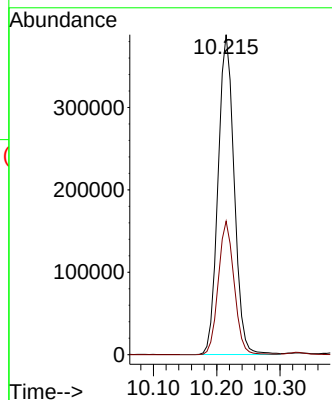
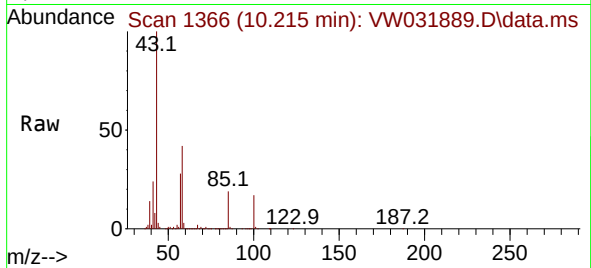




#51  
4-Methyl-2-Pentanone  
Concen: 291.343 ug/l  
RT: 10.215 min Scan# 1366  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

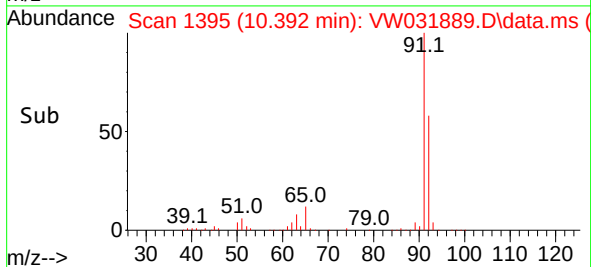
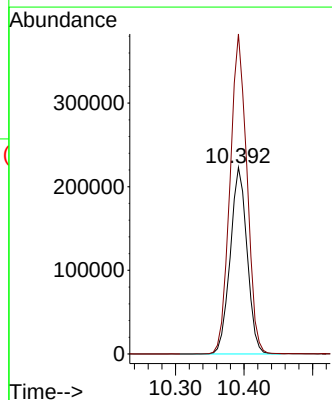
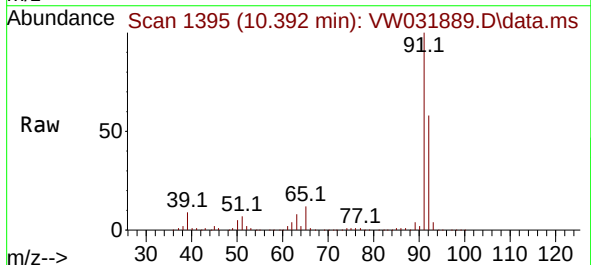
Instrument :  
MSVOA\_W  
ClientSampleId :

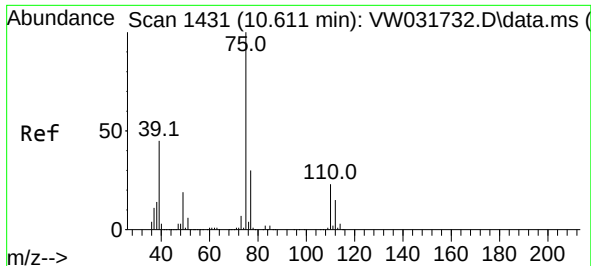
Tgt Ion: 43 Resp: 683240  
Ion Ratio Lower Upper  
43 100  
58 41.0 32.2 48.2



#52  
Toluene  
Concen: 53.611 ug/l  
RT: 10.392 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 92 Resp: 380958  
Ion Ratio Lower Upper  
92 100  
91 172.0 139.5 209.3

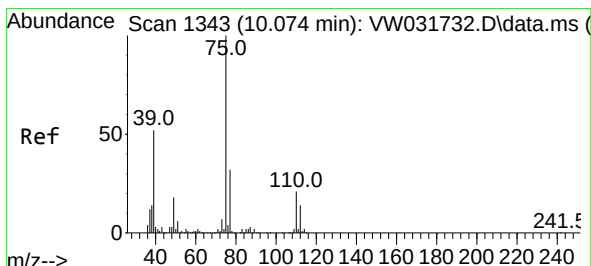
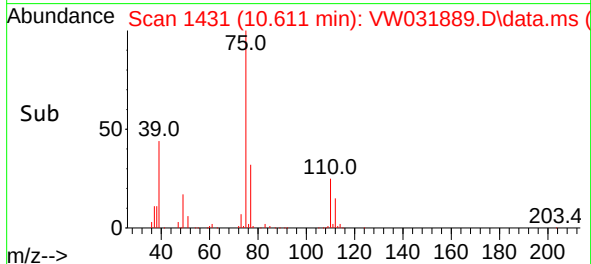
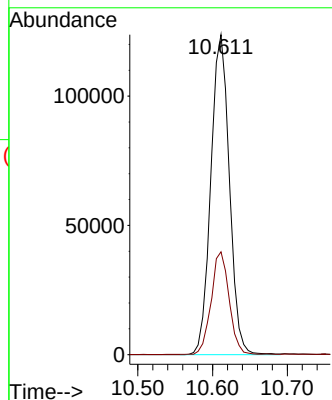
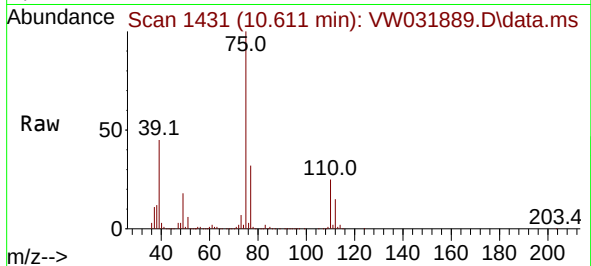




#53  
t-1,3-Dichloropropene  
Concen: 56.015 ug/l  
RT: 10.611 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

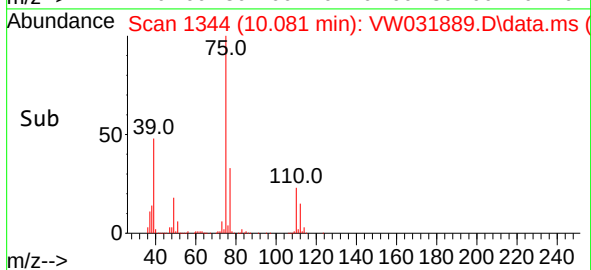
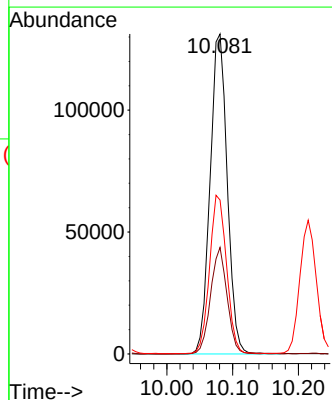
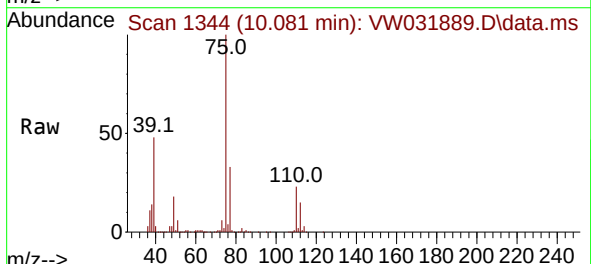
Instrument :  
MSVOA\_W  
ClientSampleId :

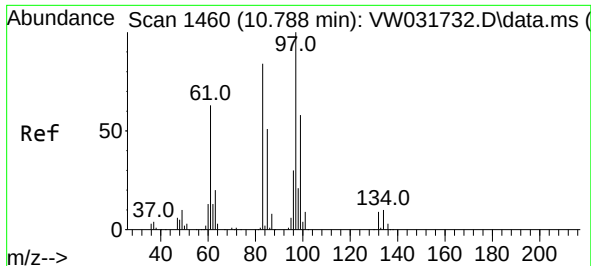
Tgt Ion: 75 Resp: 213427  
Ion Ratio Lower Upper  
75 100  
77 32.1 24.3 36.5



#54  
cis-1,3-Dichloropropene  
Concen: 55.162 ug/l  
RT: 10.081 min Scan# 1344  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 75 Resp: 238263  
Ion Ratio Lower Upper  
75 100  
77 33.3 25.4 38.2  
39 48.0 41.8 62.6





#55

1,1,2-Trichloroethane

Concen: 56.672 ug/l

RT: 10.794 min Scan# 14

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

Tgt Ion: 97 Resp: 128559

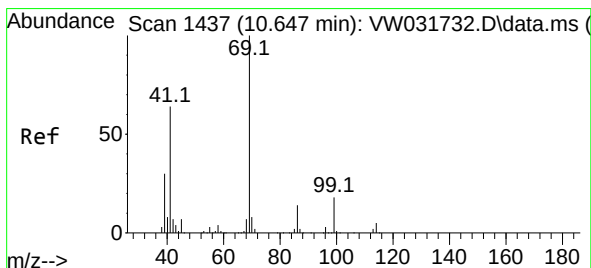
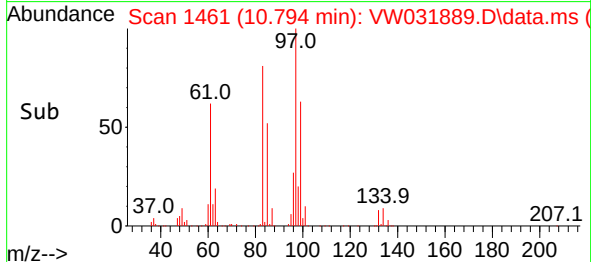
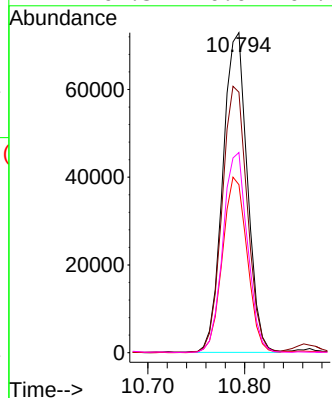
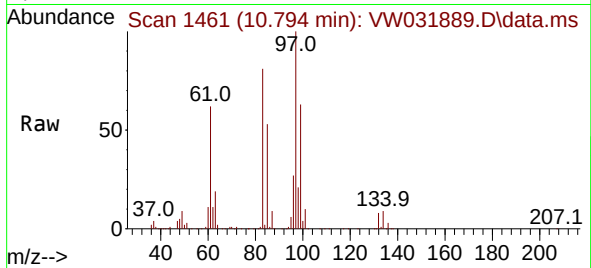
Ion Ratio Lower Upper

97 100

83 81.3 66.9 100.3

85 52.5 41.1 61.7

99 62.5 46.6 69.8



#56

Ethyl methacrylate

Concen: 65.165 ug/l

RT: 10.648 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

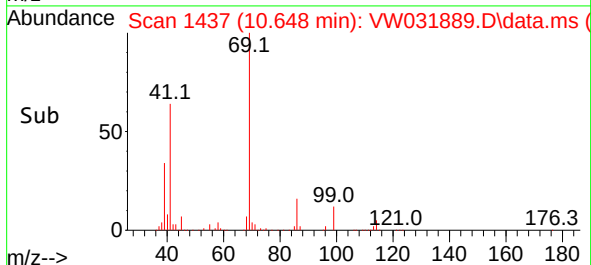
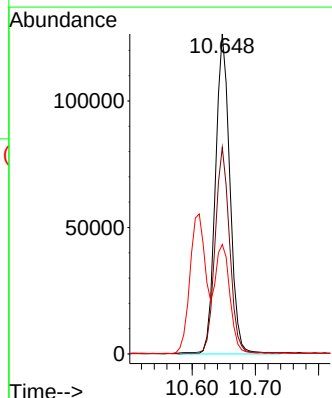
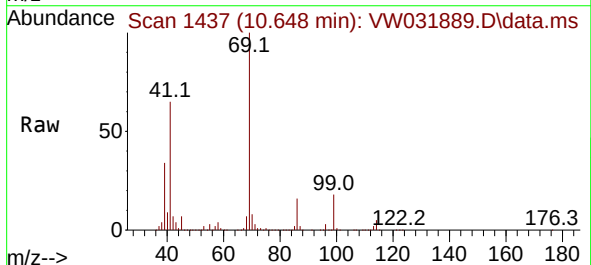
Tgt Ion: 69 Resp: 200548

Ion Ratio Lower Upper

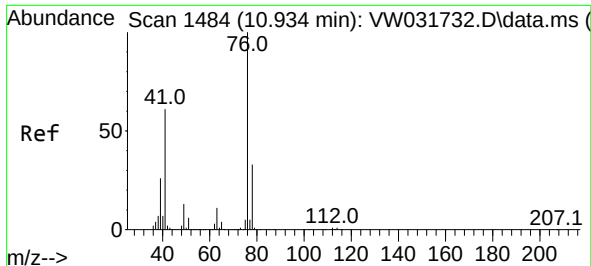
69 100

41 65.0 53.3 79.9

39 34.5 30.2 45.2







#57

1,3-Dichloropropane

Concen: 56.565 ug/l

RT: 10.934 min Scan# 1484

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

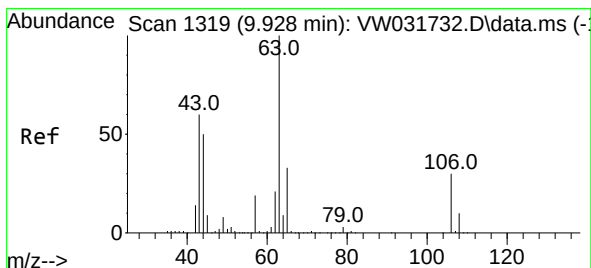
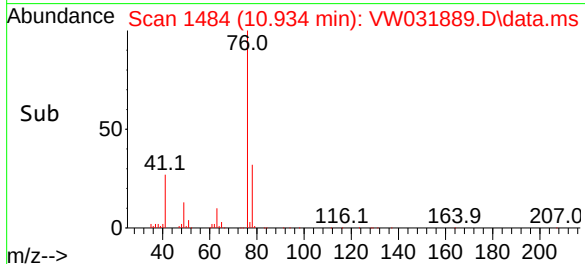
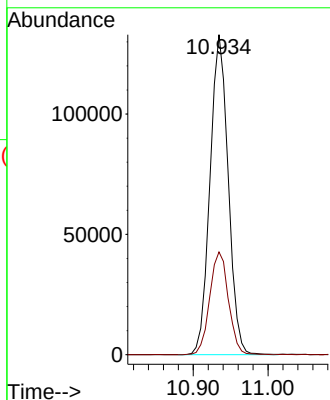
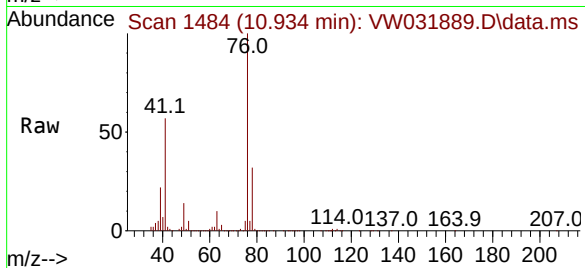
ClientSampleId :

Tgt Ion: 76 Resp: 225285

Ion Ratio Lower Upper

76 100

78 33.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 292.238 ug/l

RT: 9.928 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VW031889.D

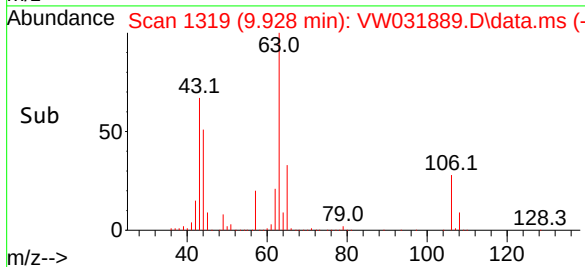
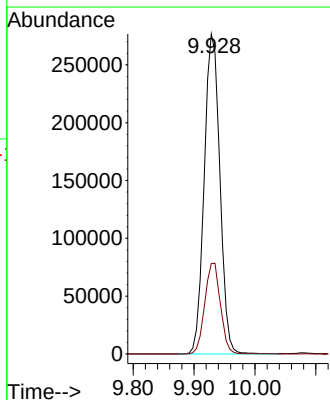
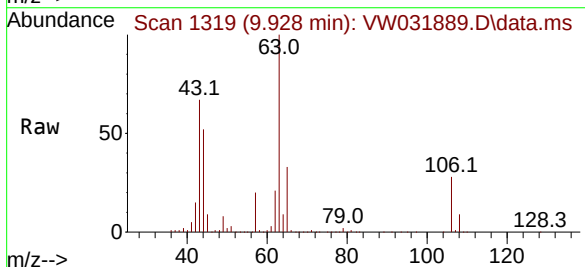
Acq: 17 Jul 2025 15:16

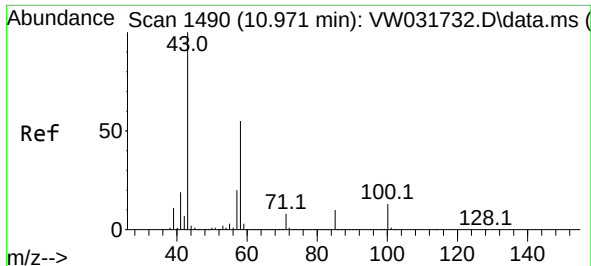
Tgt Ion: 63 Resp: 495239

Ion Ratio Lower Upper

63 100

106 28.4 24.1 36.1

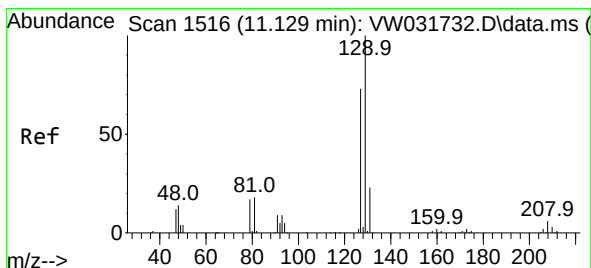
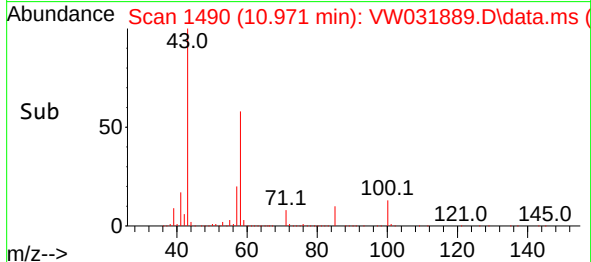
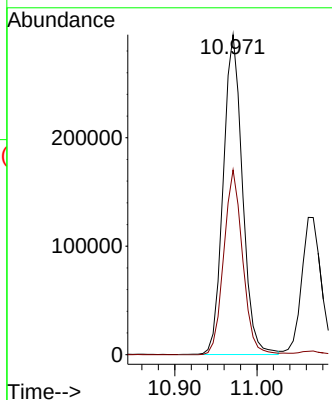
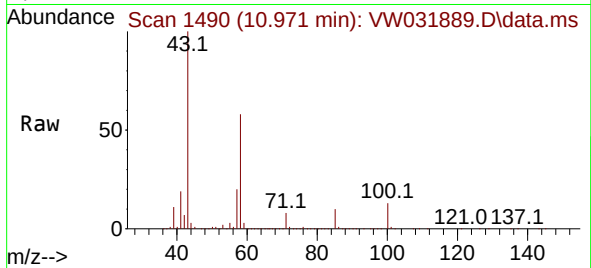




#59  
2-Hexanone  
Concen: 301.208 ug/l  
RT: 10.971 min Scan# 1490  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

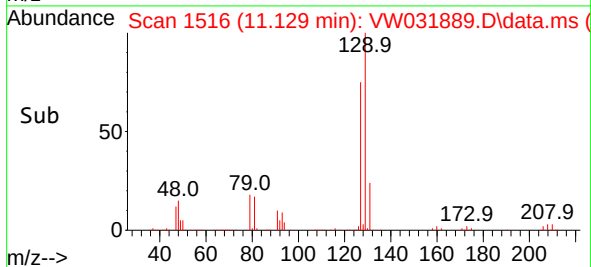
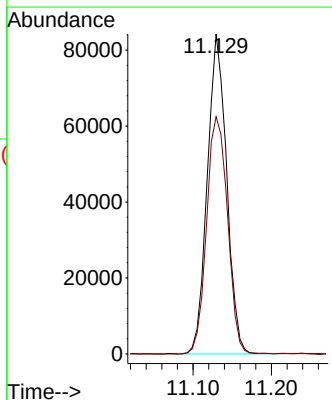
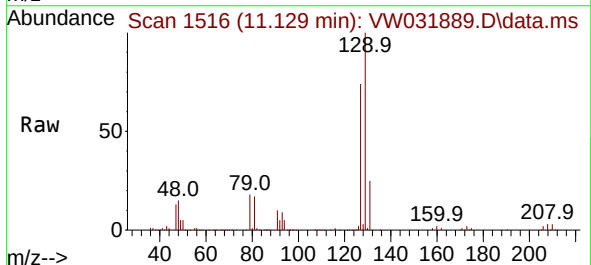
Instrument :  
MSVOA\_W  
ClientSampleId :

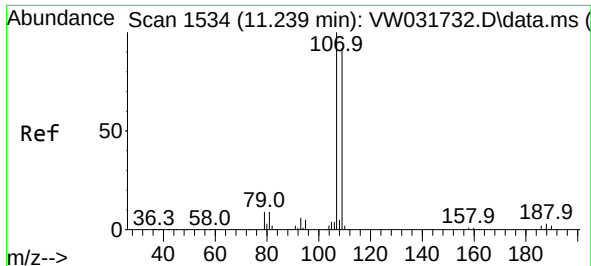
Tgt Ion: 43 Resp: 478668  
Ion Ratio Lower Upper  
43 100  
58 57.0 27.9 83.6



#60  
Dibromochloromethane  
Concen: 53.246 ug/l  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:129 Resp: 144438  
Ion Ratio Lower Upper  
129 100  
127 80.1 38.0 114.1

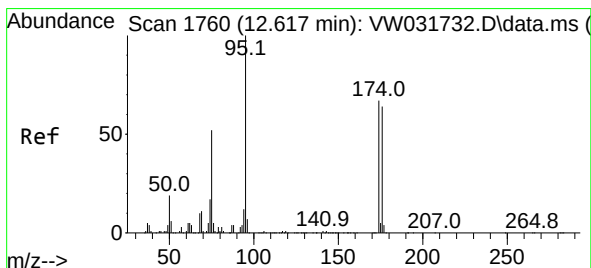
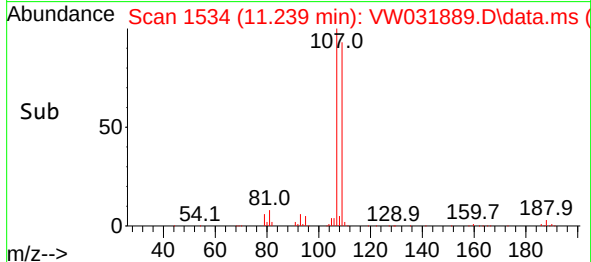
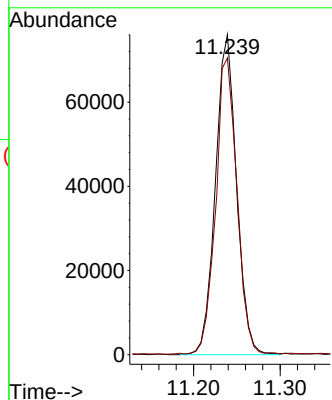
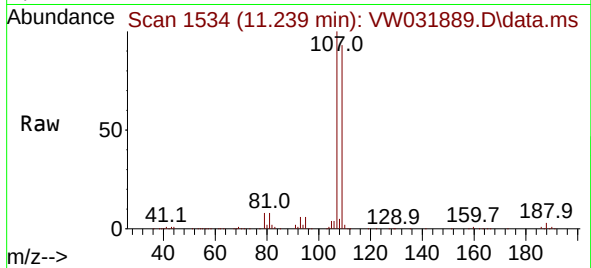




#61  
1,2-Dibromoethane  
Concen: 56.628 ug/l  
RT: 11.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

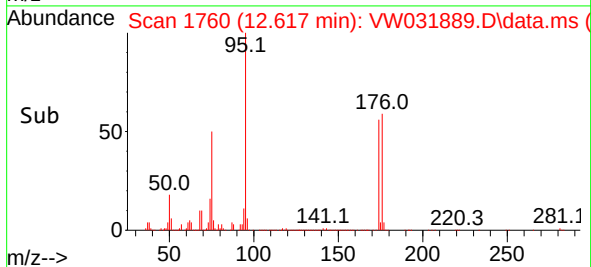
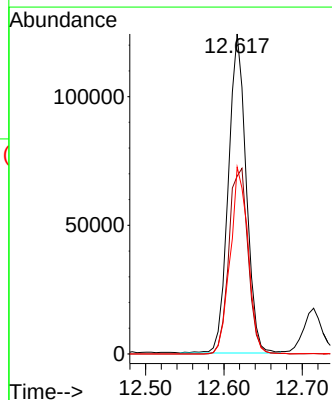
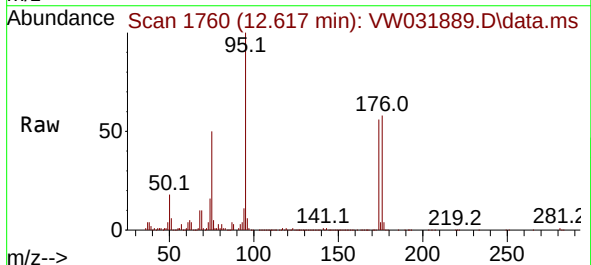
Instrument :  
MSVOA\_W  
ClientSampleId :

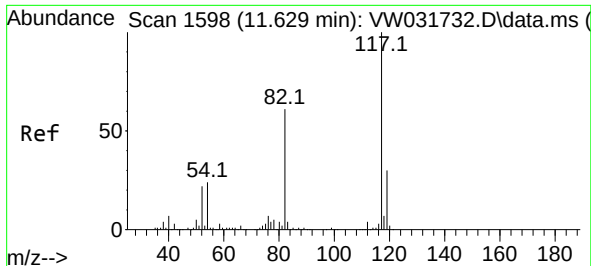
Tgt Ion:107 Resp: 128598  
Ion Ratio Lower Upper  
107 100  
109 93.2 73.9 110.9



#62  
4-Bromofluorobenzene  
Concen: 55.299 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

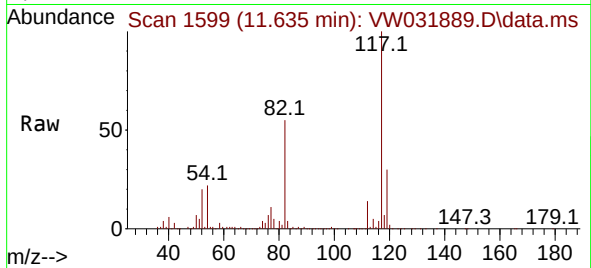
Tgt Ion: 95 Resp: 196324  
Ion Ratio Lower Upper  
95 100  
174 62.6 0.0 133.8  
176 58.6 0.0 126.0



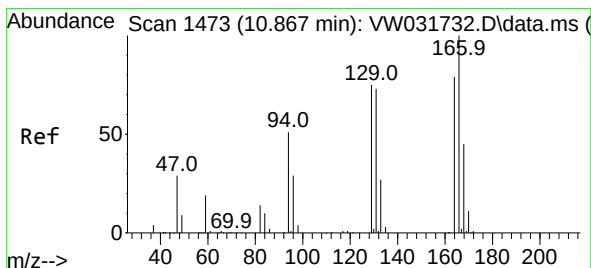
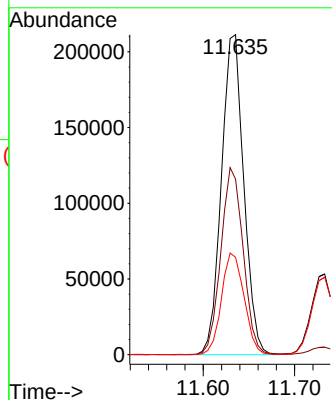
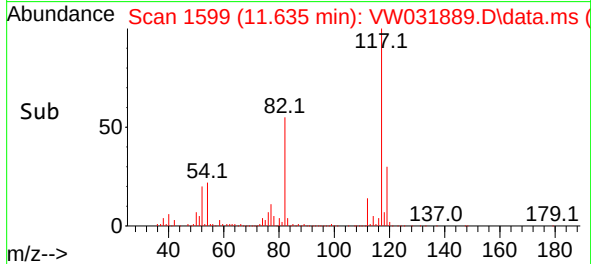


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Instrument :  
MSVOA\_W  
ClientSampleId :

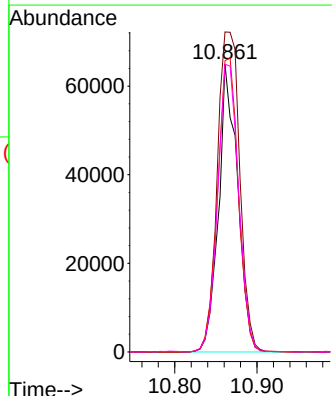
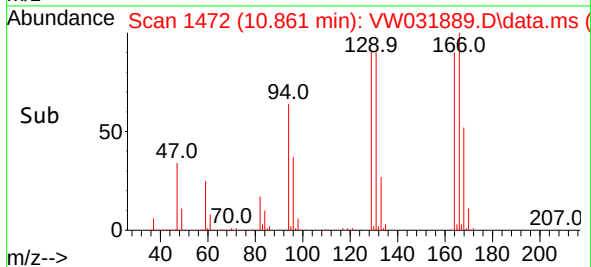
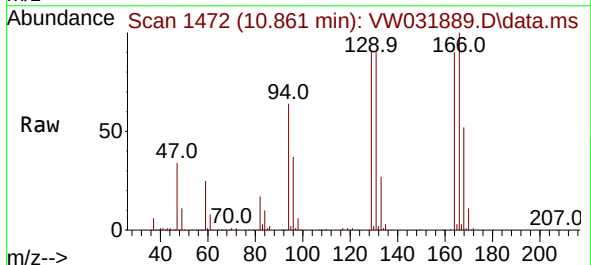


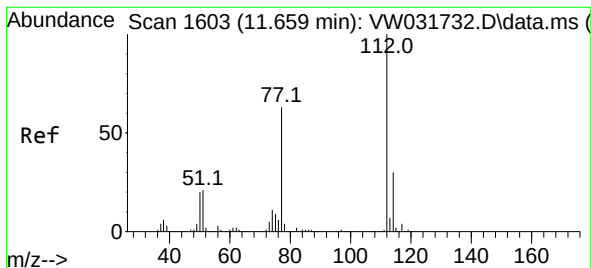
Tgt Ion:117 Resp: 359593  
Ion Ratio Lower Upper  
117 100  
82 54.7 48.6 72.8  
119 30.4 23.9 35.9



#64  
Tetrachloroethene  
Concen: 44.457 ug/l  
RT: 10.861 min Scan# 1472  
Delta R.T. -0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:164 Resp: 104569  
Ion Ratio Lower Upper  
164 100  
166 111.2 100.7 151.1  
129 101.2 75.4 113.0  
131 99.9 74.0 111.0





#65

Chlorobenzene

Concen: 53.467 ug/l

RT: 11.660 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

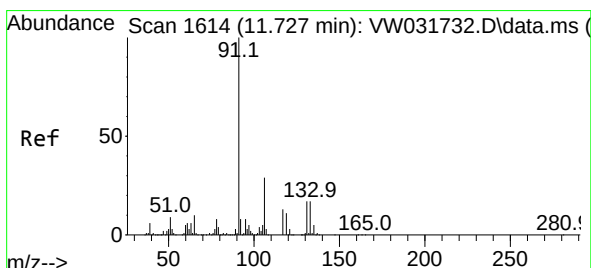
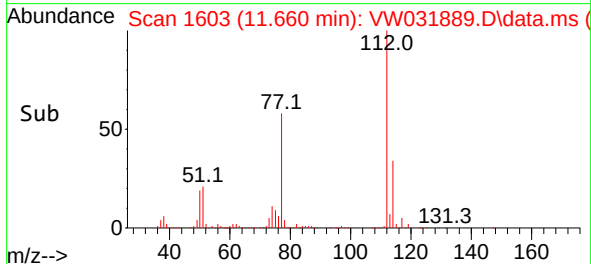
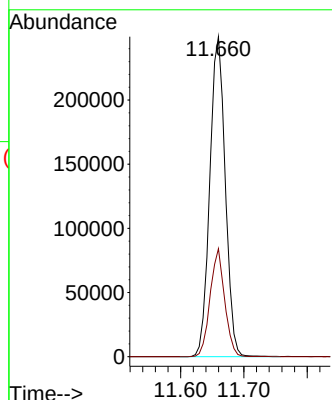
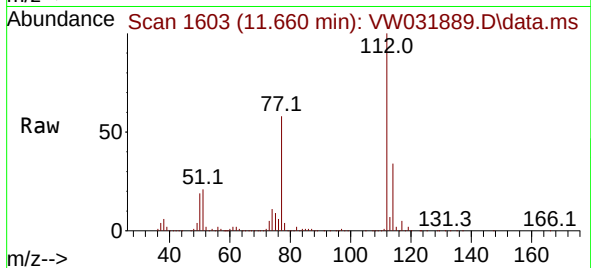
ClientSampleId :

Tgt Ion:112 Resp: 424203

Ion Ratio Lower Upper

112 100

114 33.8 23.8 35.8



#66

1,1,1,2-Tetrachloroethane

Concen: 53.587 ug/l

RT: 11.733 min Scan# 1615

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

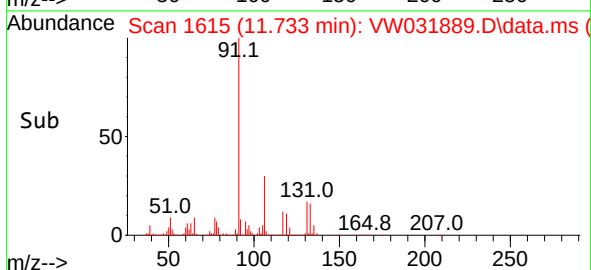
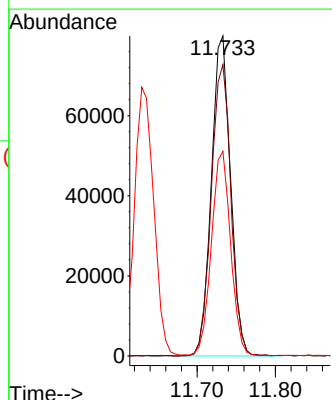
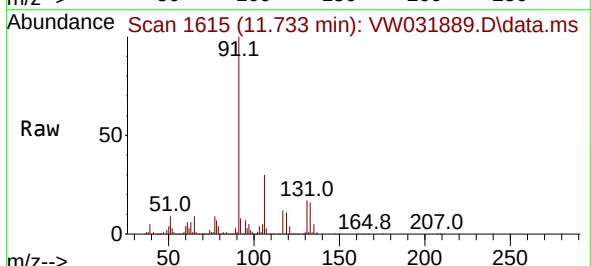
Tgt Ion:131 Resp: 135483

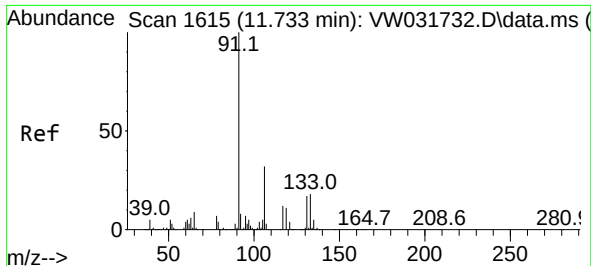
Ion Ratio Lower Upper

131 100

133 93.7 48.5 145.6

119 64.2 32.5 97.5





#67

Ethyl Benzene

Concen: 53.892 ug/l

RT: 11.733 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

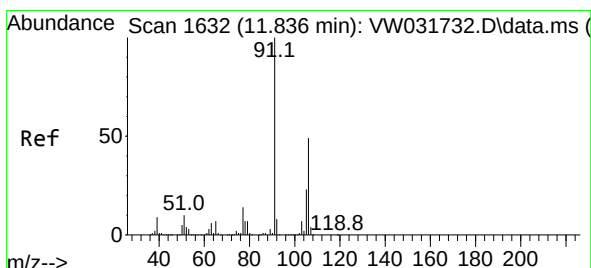
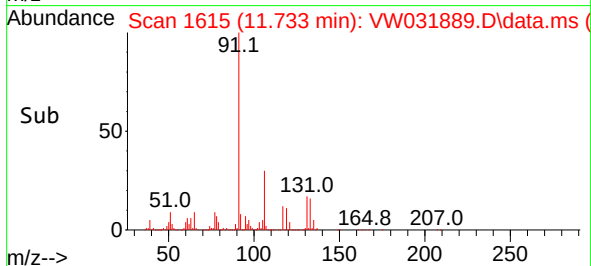
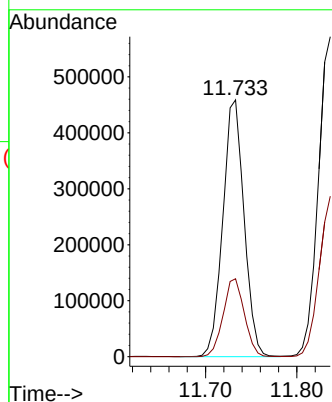
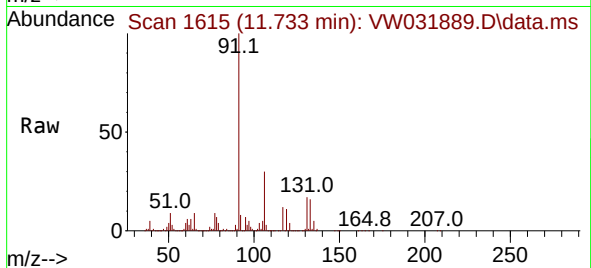
ClientSampleId :

Tgt Ion: 91 Resp: 741419

Ion Ratio Lower Upper

91 100

106 30.4 25.4 38.2



#68

m/p-Xylenes

Concen: 106.098 ug/l

RT: 11.843 min Scan# 1633

Delta R.T. 0.006 min

Lab File: VW031889.D

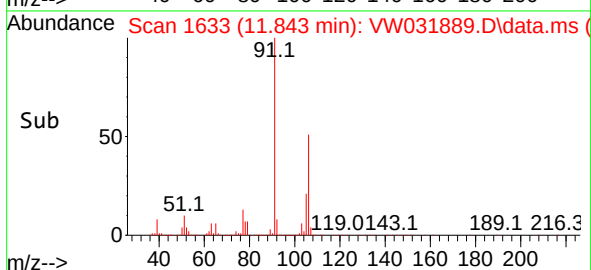
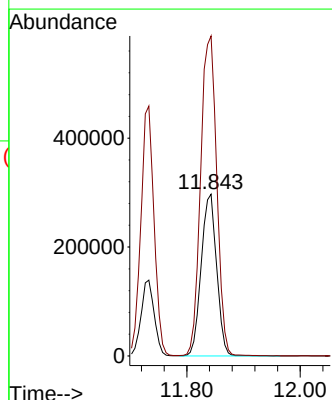
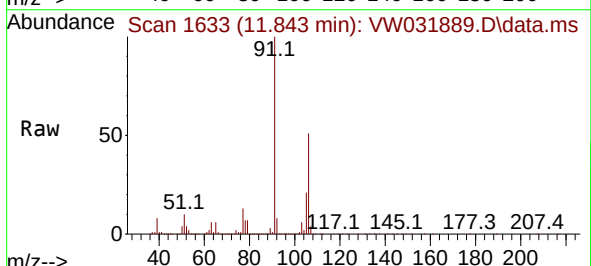
Acq: 17 Jul 2025 15:16

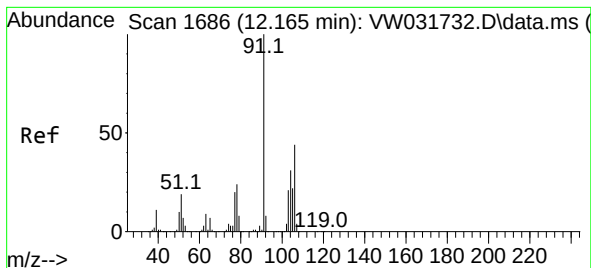
Tgt Ion:106 Resp: 561112

Ion Ratio Lower Upper

106 100

91 207.1 166.4 249.6





#69

o-Xylene

Concen: 55.582 ug/l

RT: 12.166 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

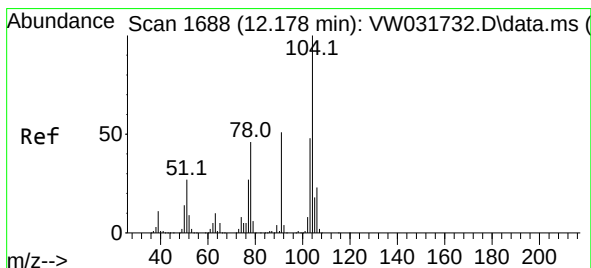
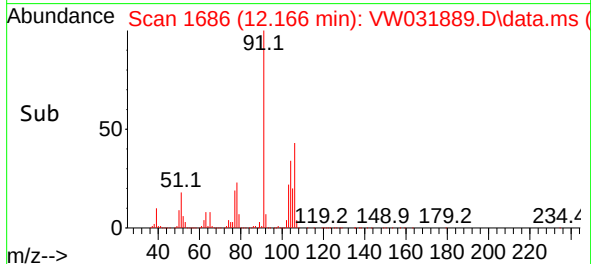
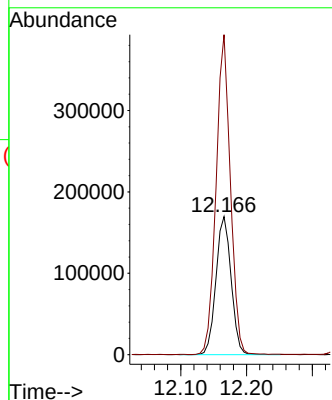
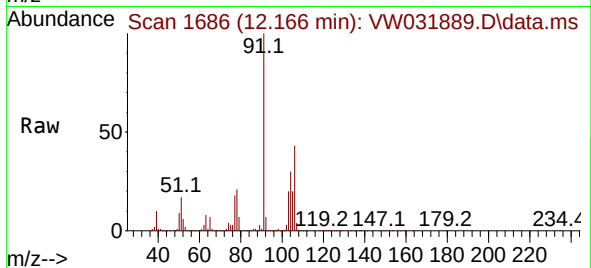
ClientSampleId :

Tgt Ion:106 Resp: 272167

Ion Ratio Lower Upper

106 100

91 218.7 111.5 334.4



#70

Styrene

Concen: 56.138 ug/l

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

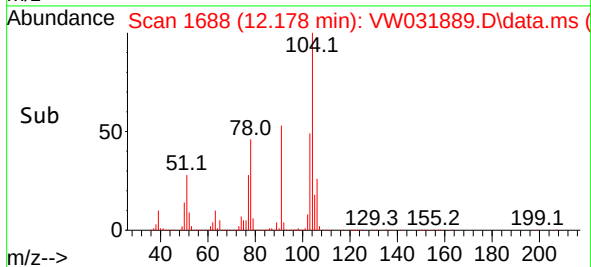
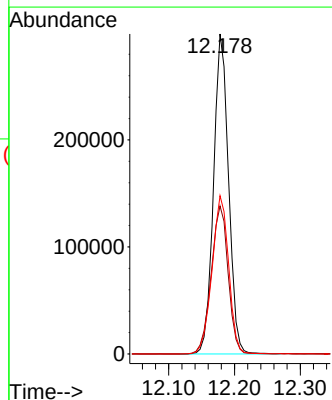
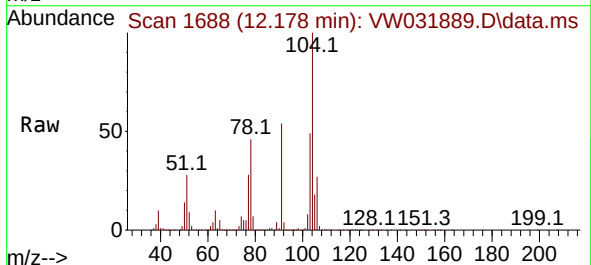
Tgt Ion:104 Resp: 475221

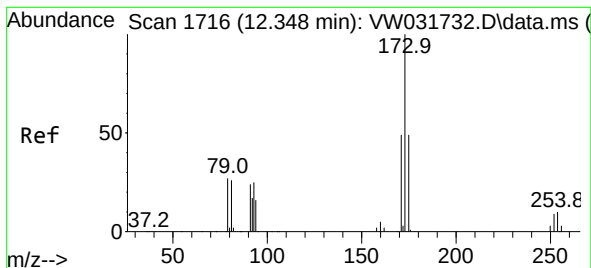
Ion Ratio Lower Upper

104 100

78 52.3 42.1 63.1

103 54.7 43.0 64.6





#71

Bromoform

Concen: 50.934 ug/l

RT: 12.355 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

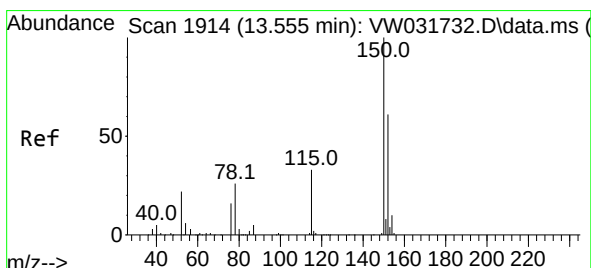
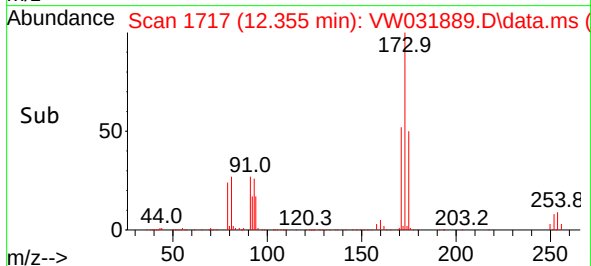
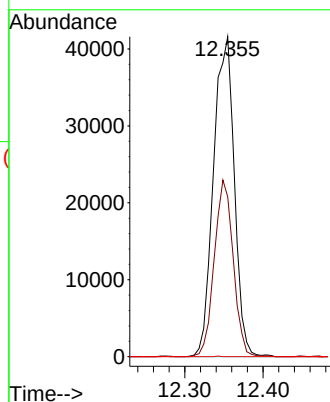
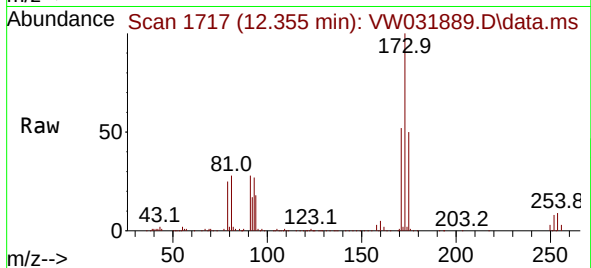
Tgt Ion:173 Resp: 76822

Ion Ratio Lower Upper

173 100

175 50.3 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: VW031889.D

Acq: 17 Jul 2025 15:16

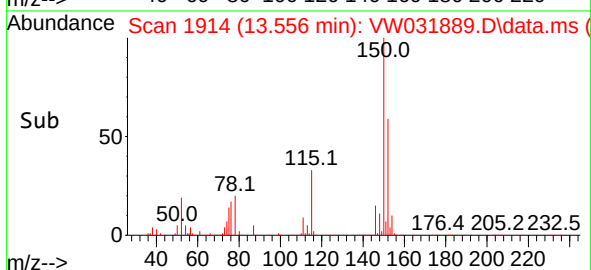
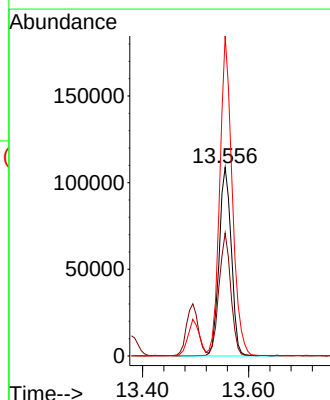
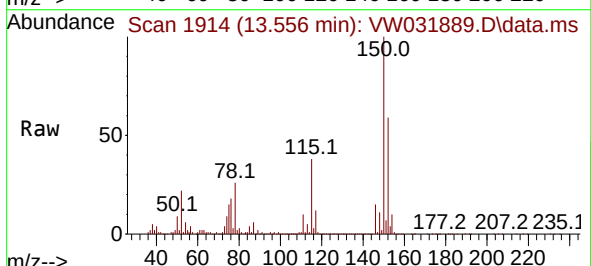
Tgt Ion:152 Resp: 173648

Ion Ratio Lower Upper

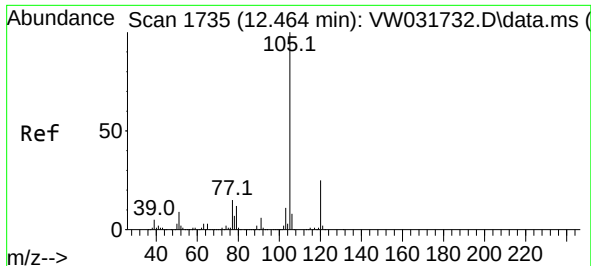
152 100

115 62.6 31.9 95.7

150 173.2 0.0 356.4



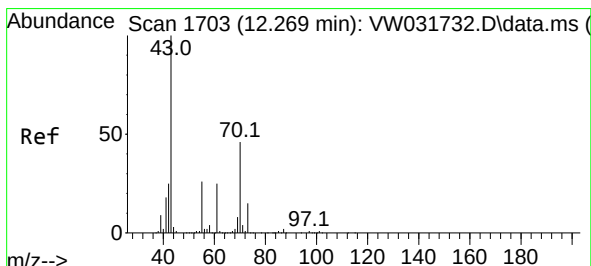
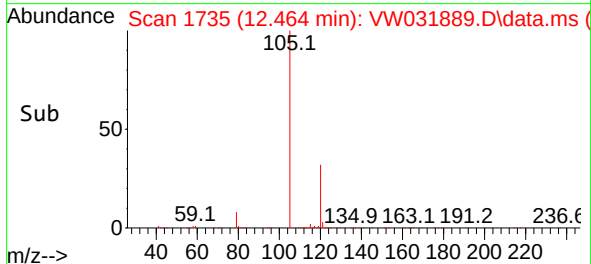
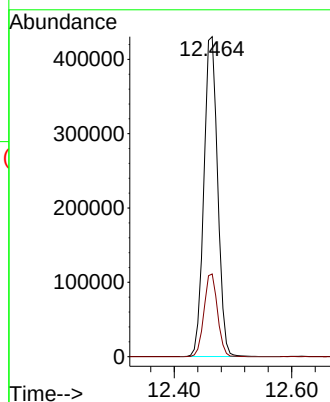
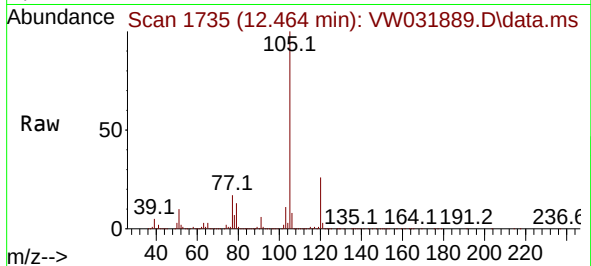




#73  
Isopropylbenzene  
Concen: 53.031 ug/l  
RT: 12.464 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

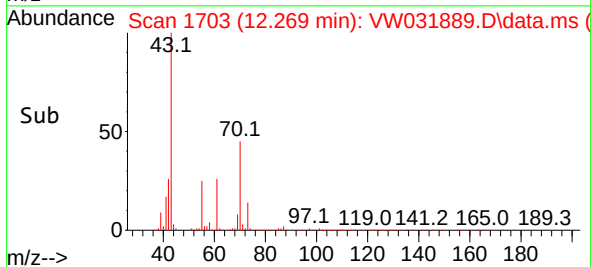
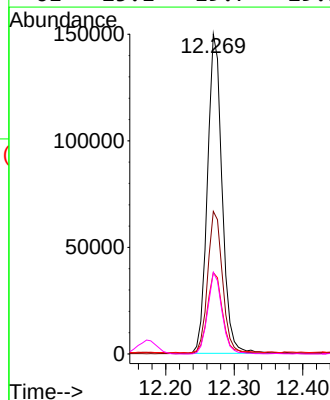
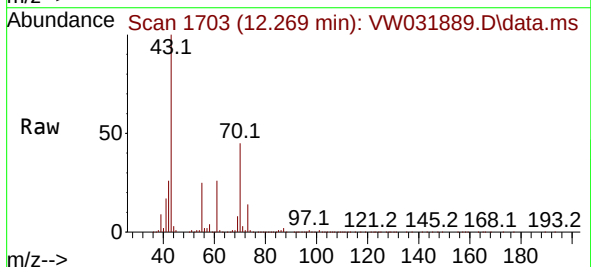
Instrument :  
MSVOA\_W  
ClientSampleId :

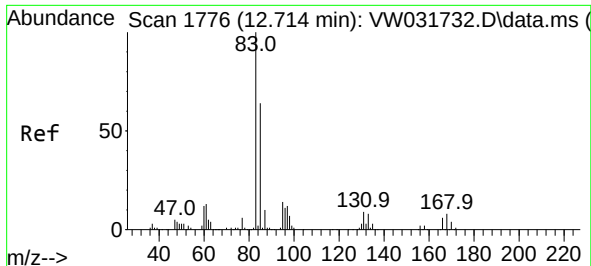
Tgt Ion:105 Resp: 700466  
Ion Ratio Lower Upper  
105 100  
120 25.4 12.8 38.4



#74  
N-ethyl acetate  
Concen: 62.688 ug/l  
RT: 12.269 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 43 Resp: 223180  
Ion Ratio Lower Upper  
43 100  
70 45.6 36.0 54.0  
55 25.9 20.8 31.2  
61 25.1 19.7 29.5

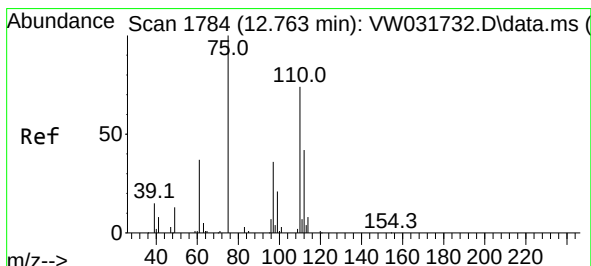
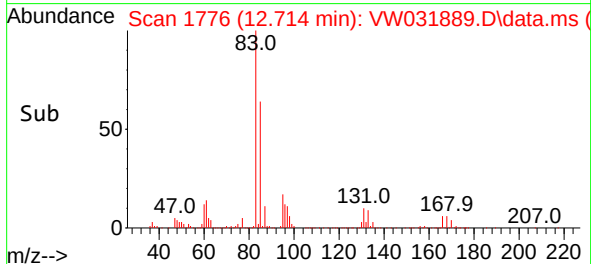
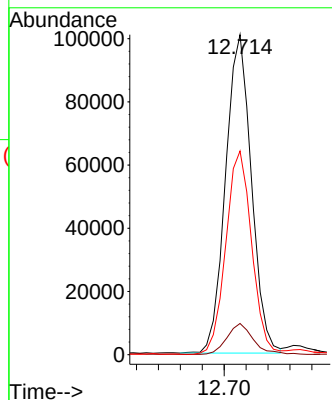
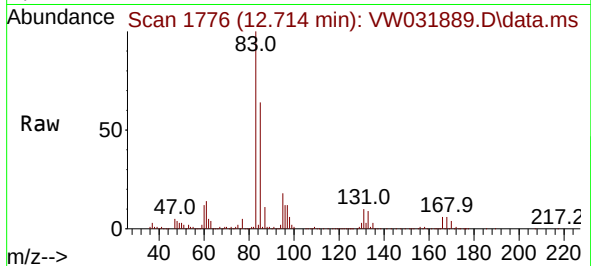




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 56.172 ug/l  
 RT: 12.714 min Scan# 1776  
 Delta R.T. 0.000 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

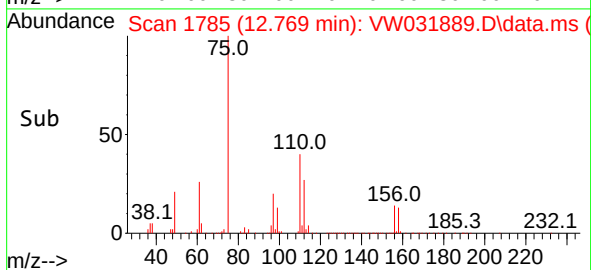
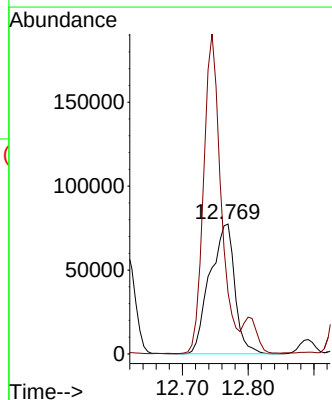
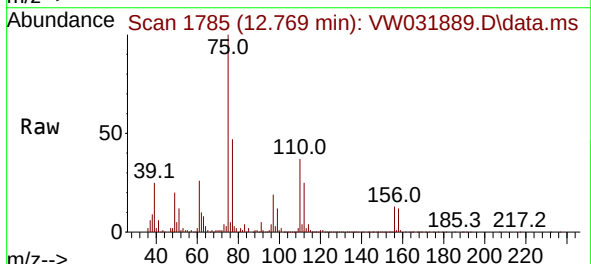
Instrument :  
 MSVOA\_W  
 ClientSampleId :

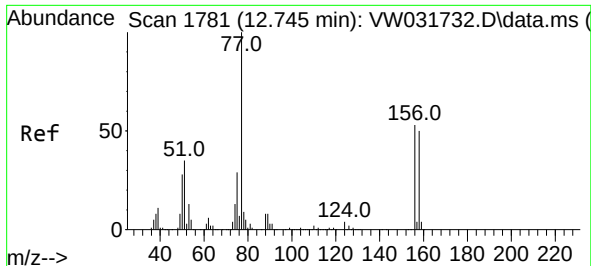
Tgt Ion: 83 Resp: 164720  
 Ion Ratio Lower Upper  
 83 100  
 131 10.2 5.3 16.1  
 85 63.8 32.0 96.2



#76  
 1,2,3-Trichloropropane  
 Concen: 90.807 ug/l  
 RT: 12.769 min Scan# 1785  
 Delta R.T. 0.006 min  
 Lab File: VW031889.D  
 Acq: 17 Jul 2025 15:16

Tgt Ion: 75 Resp: 203772  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 141.2 423.6#

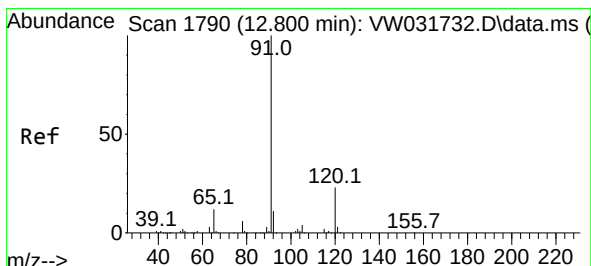
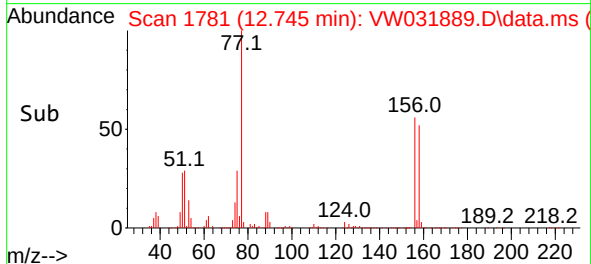
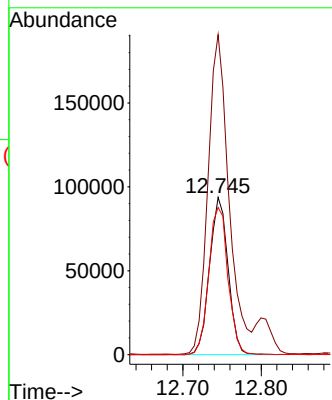
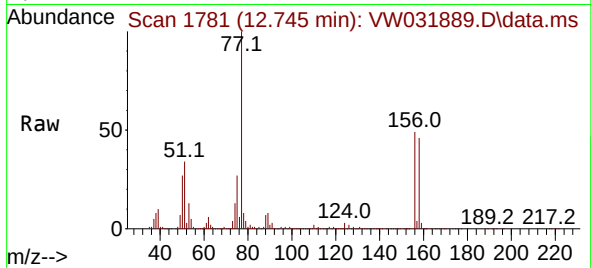




#77  
Bromobenzene  
Concen: 52.388 ug/l  
RT: 12.745 min Scan# 1781  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

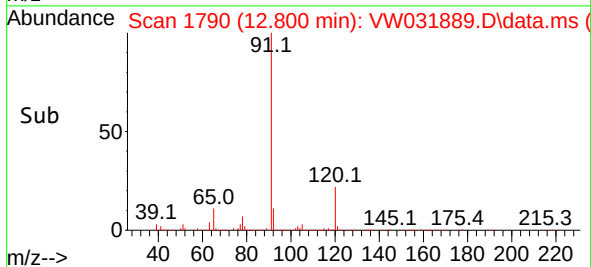
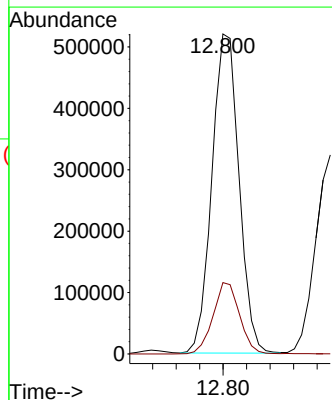
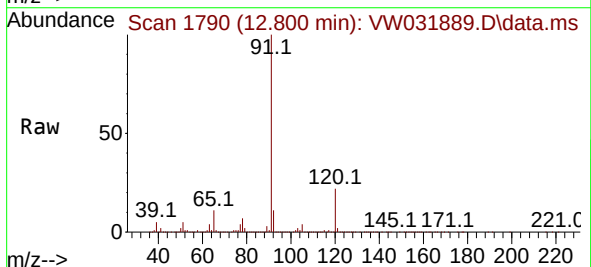
Instrument :  
MSVOA\_W  
ClientSampleId :

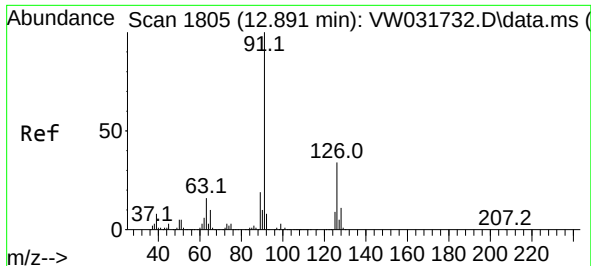
Tgt Ion:156 Resp: 154333  
Ion Ratio Lower Upper  
156 100  
77 228.2 117.9 353.7  
158 97.3 52.6 157.8



#78  
n-propylbenzene  
Concen: 52.630 ug/l  
RT: 12.800 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 91 Resp: 832453  
Ion Ratio Lower Upper  
91 100  
120 22.0 11.5 34.4

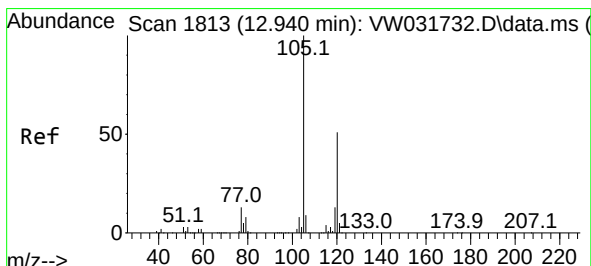
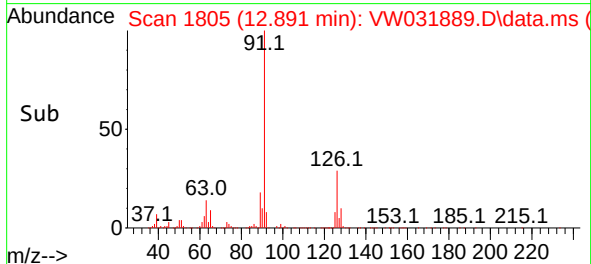
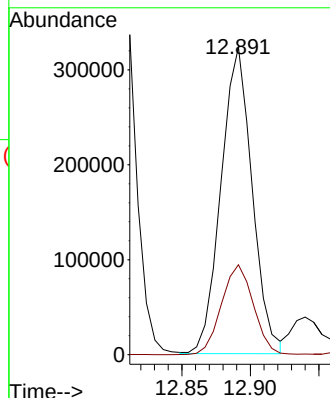
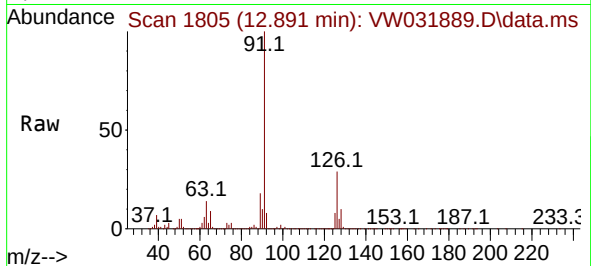




#79  
2-Chlorotoluene  
Concen: 53.591 ug/l  
RT: 12.891 min Scan# 1805  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

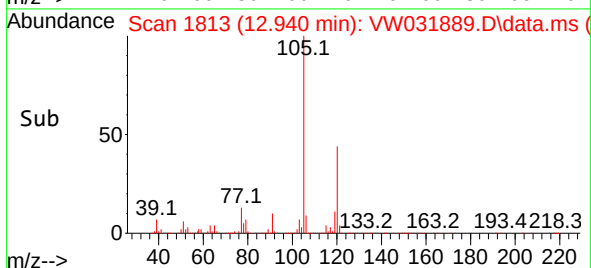
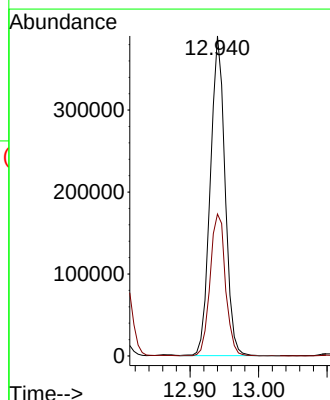
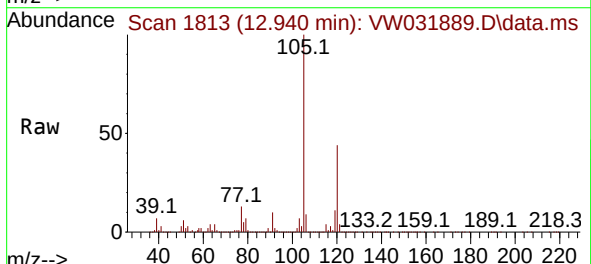
Instrument :  
MSVOA\_W  
ClientSampleId :

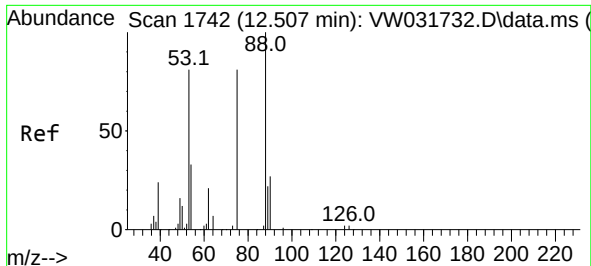
Tgt Ion: 91 Resp: 510432  
Ion Ratio Lower Upper  
91 100  
126 30.1 15.8 47.4



#80  
1,3,5-Trimethylbenzene  
Concen: 53.474 ug/l  
RT: 12.940 min Scan# 1813  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:105 Resp: 584658  
Ion Ratio Lower Upper  
105 100  
120 46.2 23.8 71.2

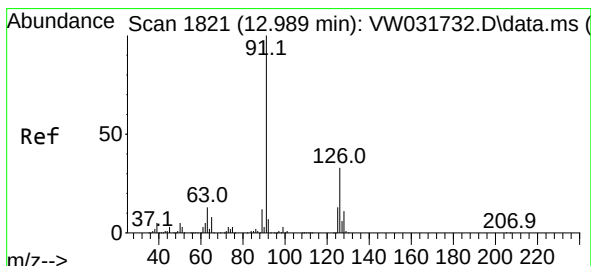
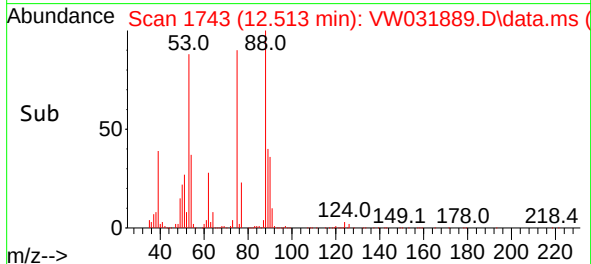
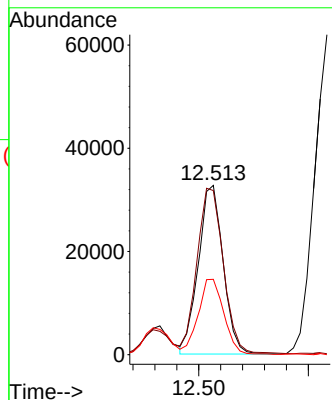
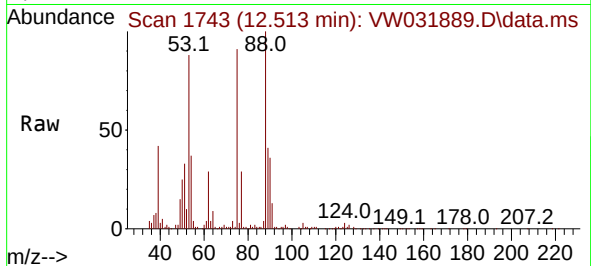




#81  
trans-1,4-Dichloro-2-butene  
Concen: 53.371 ug/l  
RT: 12.513 min Scan# 1743  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

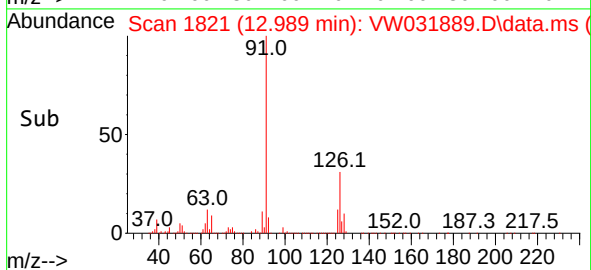
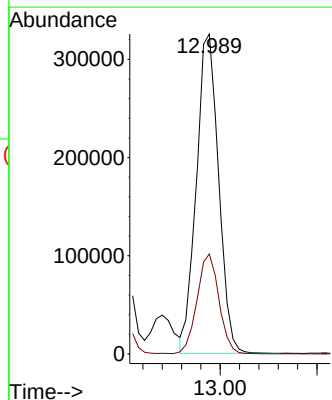
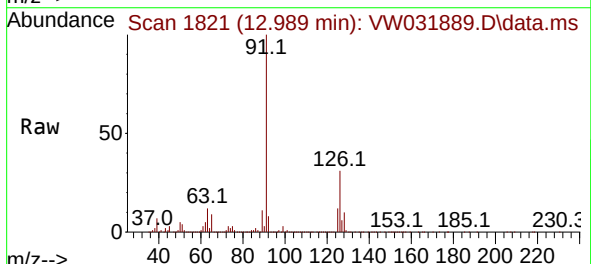
Instrument :  
MSVOA\_W  
ClientSampleId :

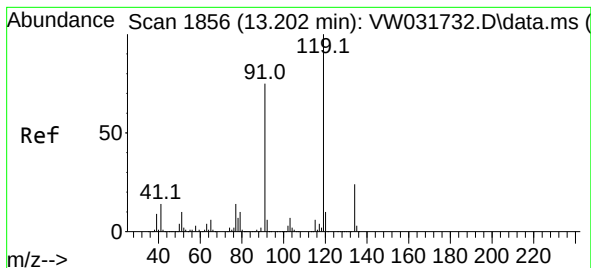
Tgt Ion: 75 Resp: 51420  
Ion Ratio Lower Upper  
75 100  
53 104.3 83.5 125.3  
89 45.9 38.3 57.5



#82  
4-Chlorotoluene  
Concen: 52.012 ug/l  
RT: 12.989 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 91 Resp: 520100  
Ion Ratio Lower Upper  
91 100  
126 30.9 16.0 47.9

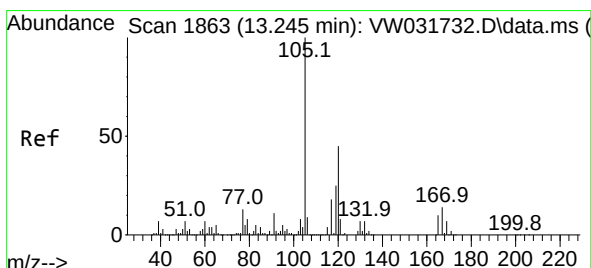
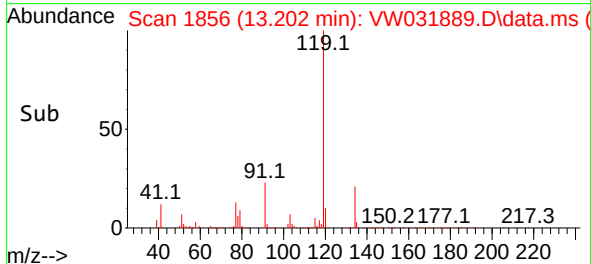
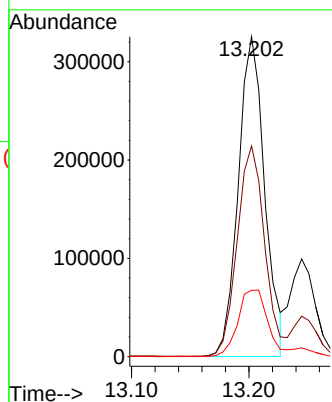
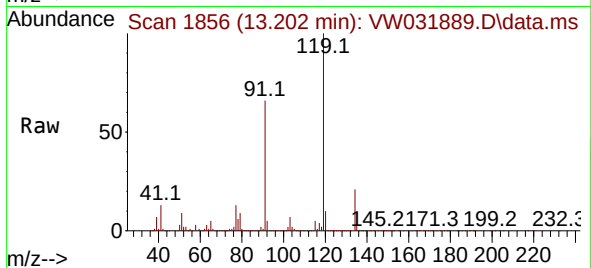




#83  
tert-Butylbenzene  
Concen: 54.179 ug/l  
RT: 13.202 min Scan# 1856  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

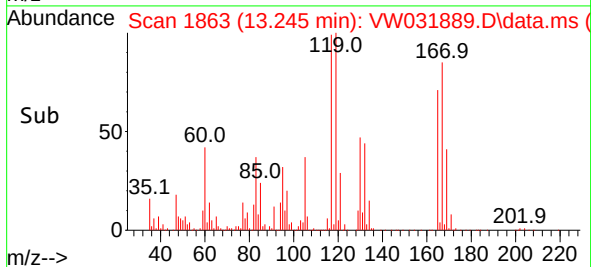
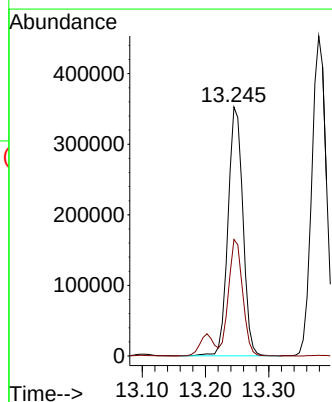
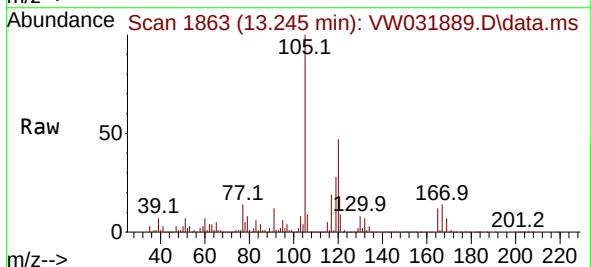
Instrument :  
MSVOA\_W  
ClientSampleId :

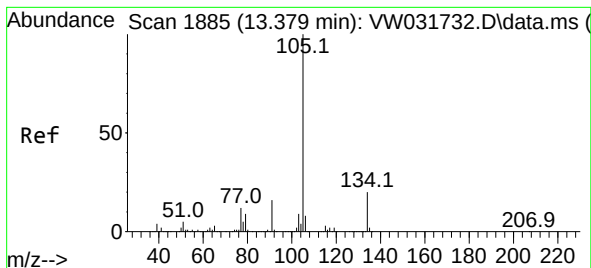
Tgt Ion:119 Resp: 507411  
Ion Ratio Lower Upper  
119 100  
91 69.0 36.0 108.1  
134 23.5 12.4 37.2



#84  
1,2,4-Trimethylbenzene  
Concen: 51.868 ug/l  
RT: 13.245 min Scan# 1863  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion:105 Resp: 574592  
Ion Ratio Lower Upper  
105 100  
120 44.5 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.337 ug/l

RT: 13.379 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

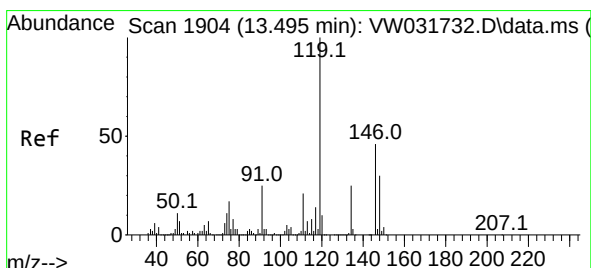
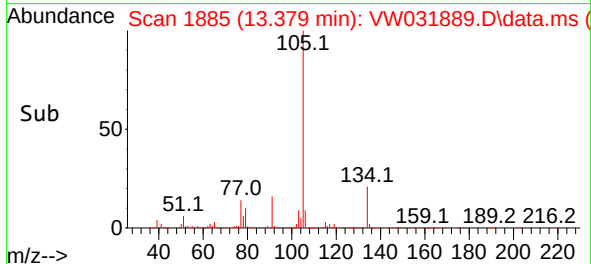
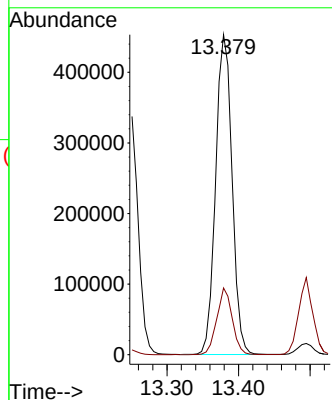
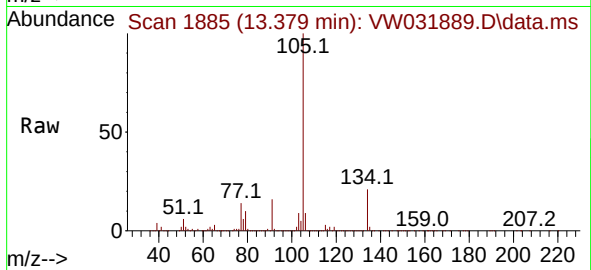
ClientSampleId :

Tgt Ion:105 Resp: 721657

Ion Ratio Lower Upper

105 100

134 19.6 9.6 28.8



#86

p-Isopropyltoluene

Concen: 52.247 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

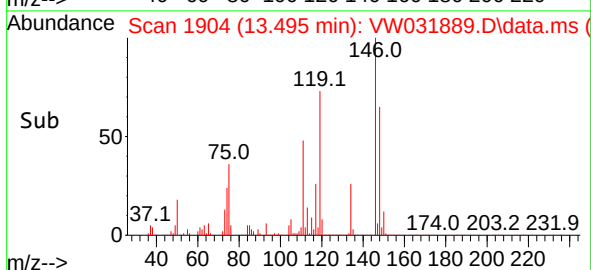
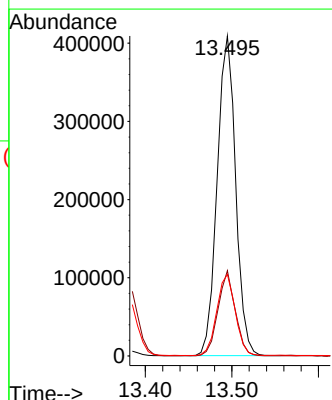
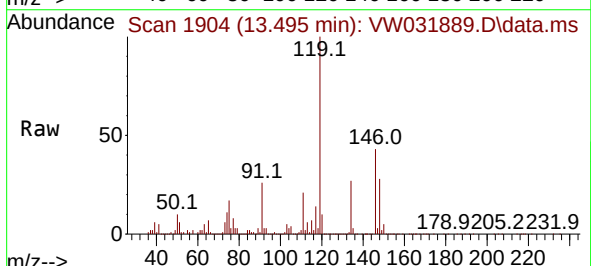
Tgt Ion:119 Resp: 605288

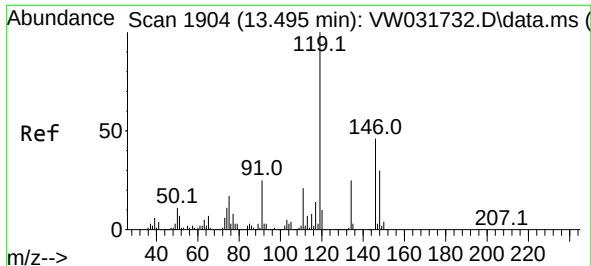
Ion Ratio Lower Upper

119 100

134 25.0 12.9 38.7

91 25.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 50.063 ug/l

RT: 13.495 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

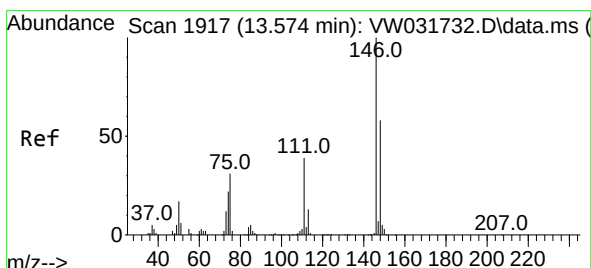
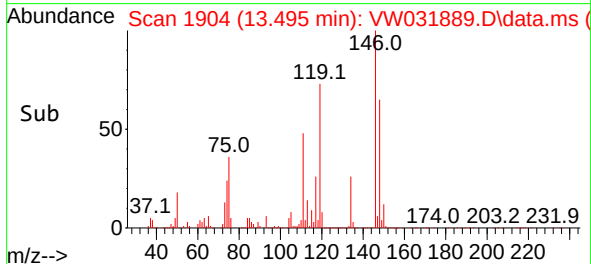
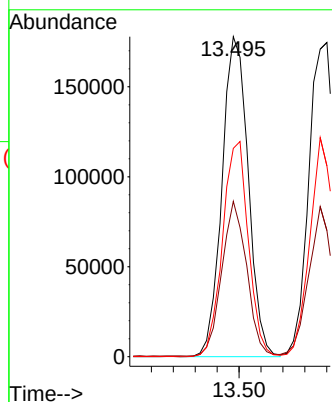
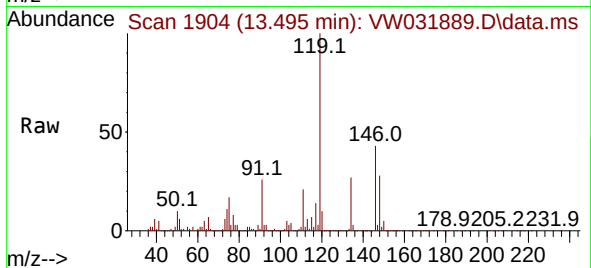
Tgt Ion:146 Resp: 295772

Ion Ratio Lower Upper

146 100

111 45.8 22.3 66.9

148 66.1 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 49.098 ug/l

RT: 13.580 min Scan# 1918

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

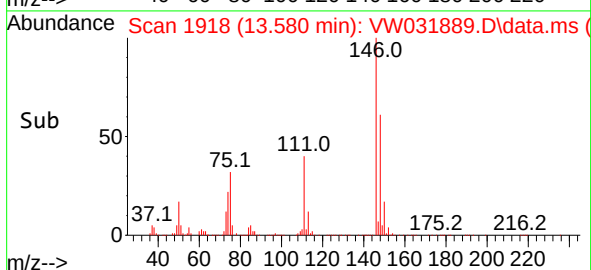
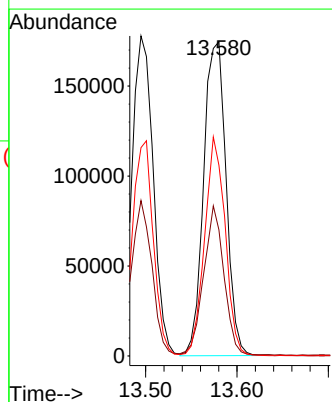
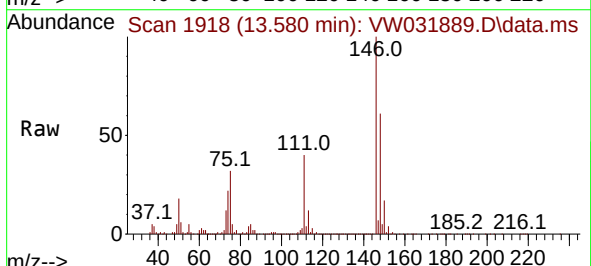
Tgt Ion:146 Resp: 296902

Ion Ratio Lower Upper

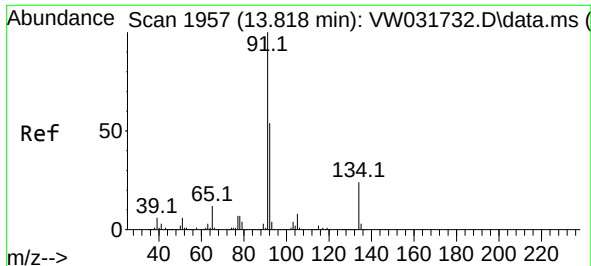
146 100

111 43.2 20.4 61.3

148 64.0 30.2 90.6



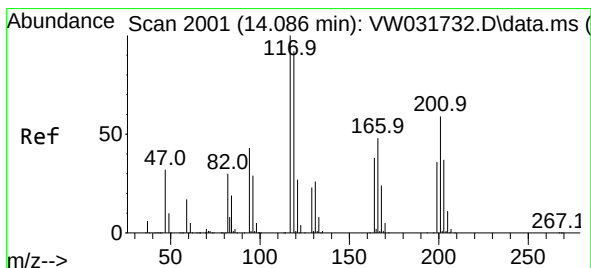
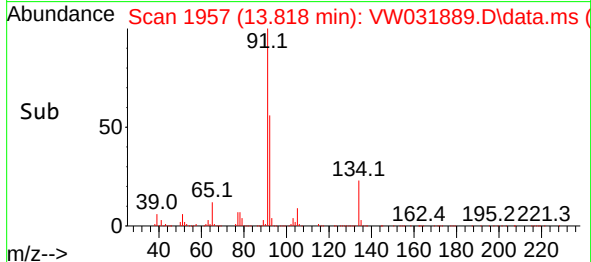
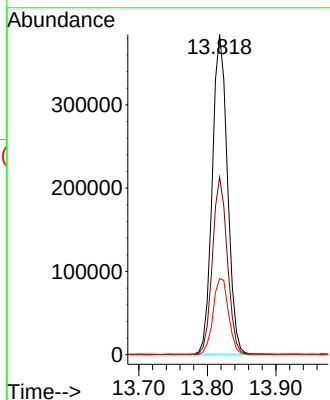
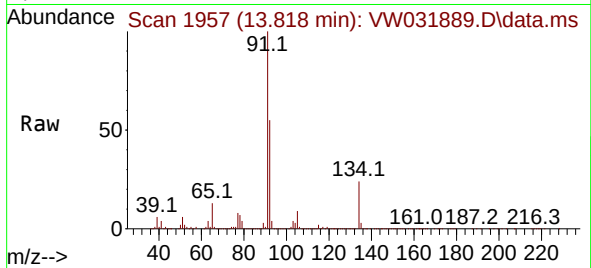




#89  
n-Butylbenzene  
Concen: 52.354 ug/l  
RT: 13.818 min Scan# 1957  
Delta R.T. 0.000 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

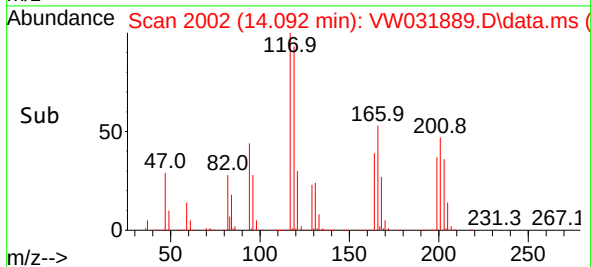
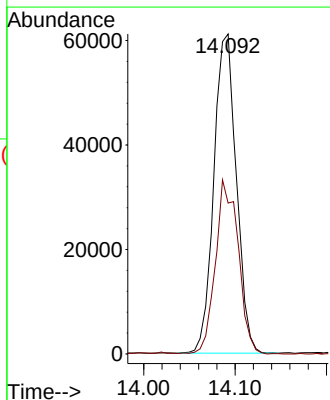
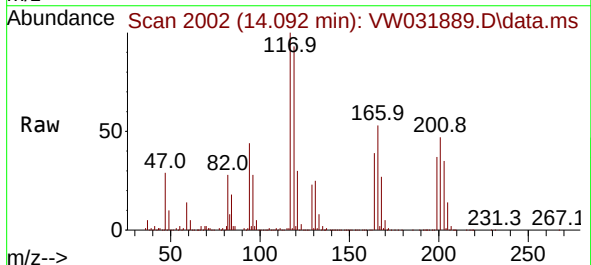
Instrument :  
MSVOA\_W  
ClientSampleId :

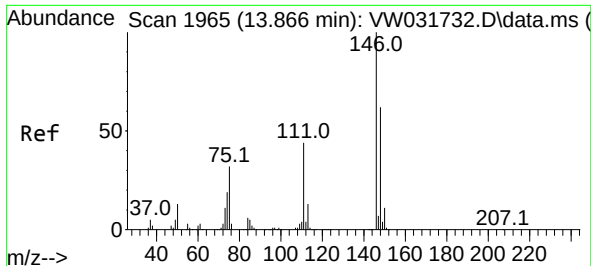
Tgt Ion: 91 Resp: 589305  
Ion Ratio Lower Upper  
91 100  
92 54.4 27.2 81.5  
134 24.3 12.2 36.6



#90  
Hexachloroethane  
Concen: 49.971 ug/l  
RT: 14.092 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: VW031889.D  
Acq: 17 Jul 2025 15:16

Tgt Ion: 117 Resp: 104443  
Ion Ratio Lower Upper  
117 100  
201 55.3 31.1 93.3





#91

1,2-Dichlorobenzene

Concen: 51.952 ug/l

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

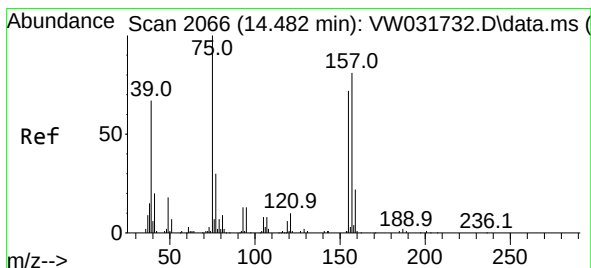
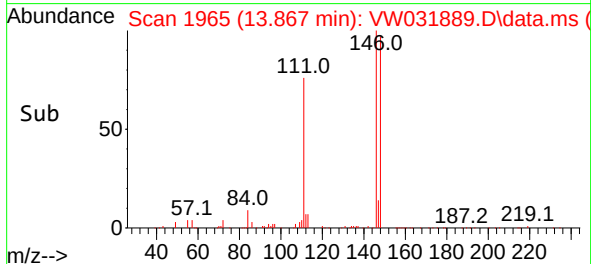
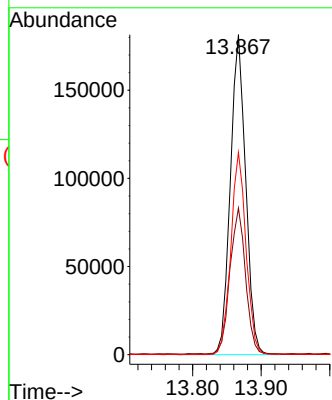
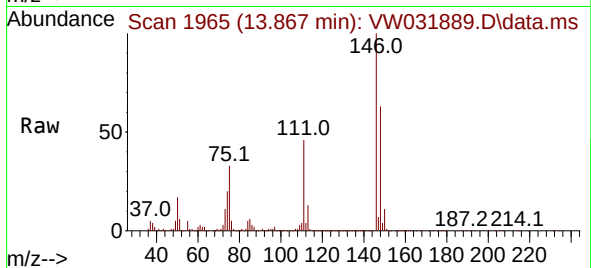
Tgt Ion:146 Resp: 280532

Ion Ratio Lower Upper

146 100

111 46.5 21.7 65.1

148 62.9 29.8 89.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.598 ug/l

RT: 14.482 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

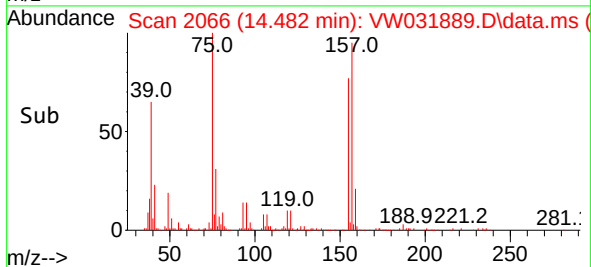
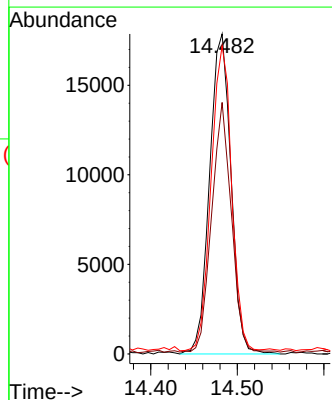
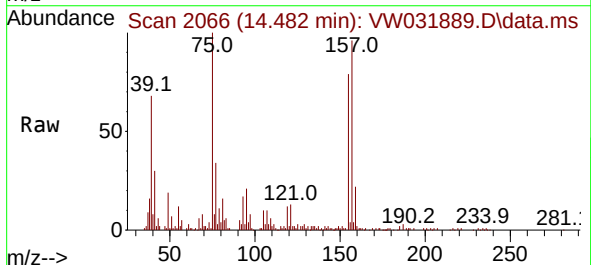
Tgt Ion: 75 Resp: 30689

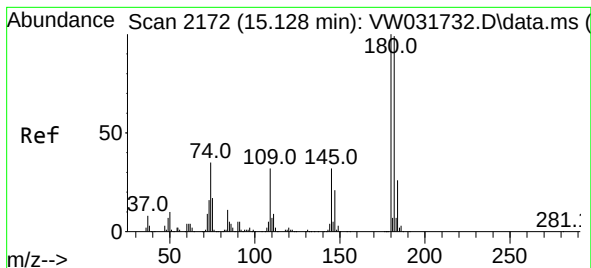
Ion Ratio Lower Upper

75 100

155 71.6 37.2 111.6

157 91.0 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 51.063 ug/l

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

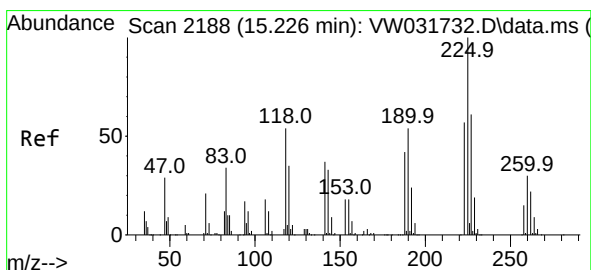
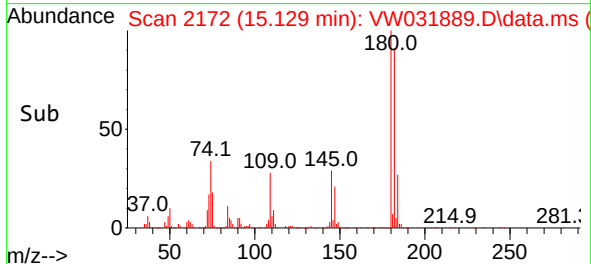
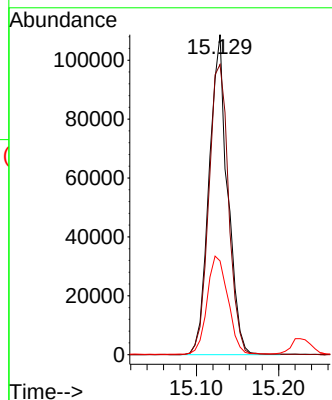
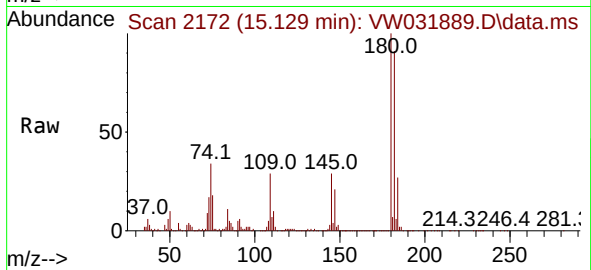
Tgt Ion:180 Resp: 170049

Ion Ratio Lower Upper

180 100

182 97.2 48.6 145.9

145 34.7 17.3 51.7



#94

Hexachlorobutadiene

Concen: 45.636 ug/l

RT: 15.232 min Scan# 2189

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

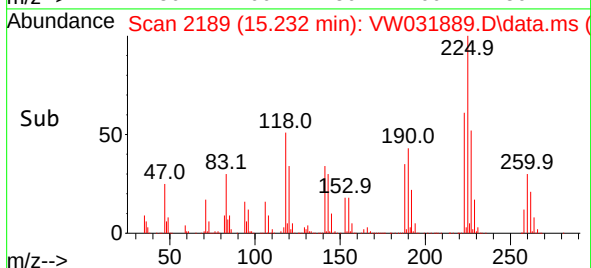
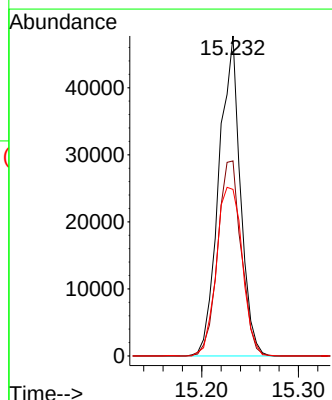
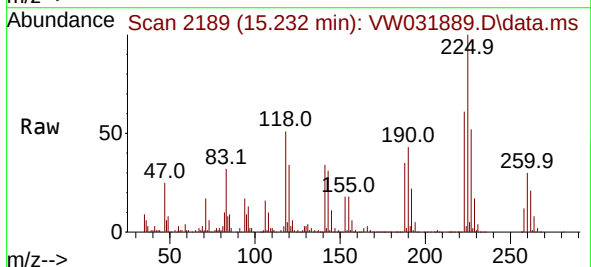
Tgt Ion:225 Resp: 73387

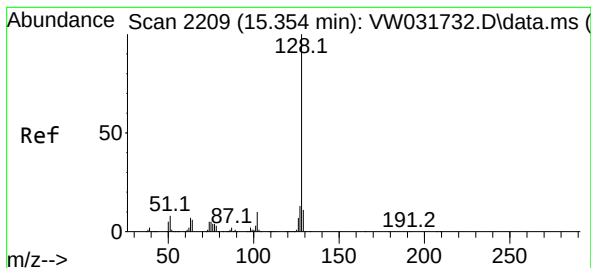
Ion Ratio Lower Upper

225 100

223 66.9 32.6 97.8

227 63.7 37.3 111.8





#95

Naphthalene

Concen: 61.178 ug/l

RT: 15.360 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Instrument :

MSVOA\_W

ClientSampleId :

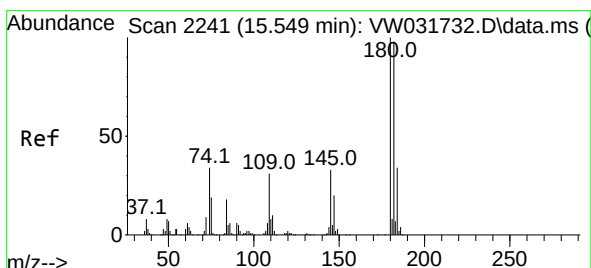
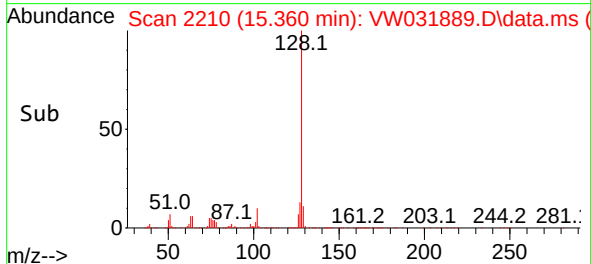
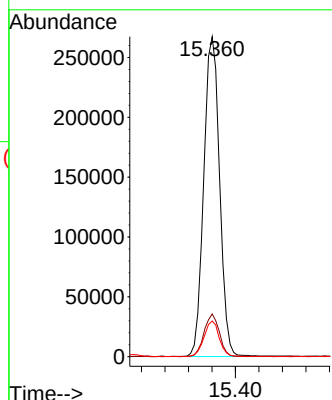
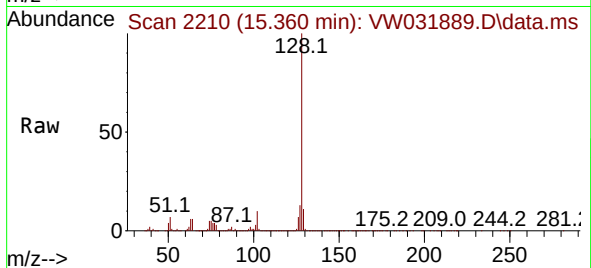
Tgt Ion:128 Resp: 499482

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 52.732 ug/l

RT: 15.543 min Scan# 2240

Delta R.T. -0.006 min

Lab File: VW031889.D

Acq: 17 Jul 2025 15:16

Tgt Ion:180 Resp: 161357

Ion Ratio Lower Upper

180 100

182 93.9 46.4 139.1

145 37.8 17.8 53.3

