

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101524\  
 Data File : VY019898.D  
 Acq On : 15 Oct 2024 12:10  
 Operator : SY/MD  
 Sample : VY1015SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 16 02:45:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------|----------|
| -----                        |        |       |          |          |       |          |
| Internal Standards           |        |       |          |          |       |          |
| 1) Pentafluorobenzene        | 7.707  | 168   | 300208   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 8.616  | 114   | 519890   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.414 | 117   | 445207   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347 | 152   | 210335   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 8.061  | 65    | 175686   | 47.528   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =     | 95.060%  |
| 35) Dibromofluoromethane     | 7.634  | 113   | 167676   | 48.875   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =     | 97.760%  |
| 50) Toluene-d8               | 10.109 | 98    | 610762   | 48.209   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =     | 96.420%  |
| 62) 4-Bromofluorobenzene     | 12.408 | 95    | 213891   | 46.724   | ug/l  | 0.00     |
| Spiked Amount                | 50.000 | Range | 29 - 146 | Recovery | =     | 93.440%  |
| Target Compounds             |        |       |          |          |       |          |
|                              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.867  | 85    | 52869    | 18.918   | ug/l  | 95       |
| 3) Chloromethane             | 2.074  | 50    | 71538    | 19.668   | ug/l  | 97       |
| 4) Vinyl Chloride            | 2.208  | 62    | 78930    | 19.719   | ug/l  | 97       |
| 5) Bromomethane              | 2.598  | 94    | 52792    | 20.837   | ug/l  | 98       |
| 6) Chloroethane              | 2.739  | 64    | 54951    | 20.436   | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 3.062  | 101   | 122852   | 20.627   | ug/l  | 96       |
| 8) Diethyl Ether             | 3.458  | 74    | 33826    | 18.687   | ug/l  | 67       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824  | 101   | 72774    | 21.007   | ug/l  | 90       |
| 10) Methyl Iodide            | 4.007  | 142   | 61416    | 17.528   | ug/l  | # 90     |
| 11) Tert butyl alcohol       | 4.860  | 59    | 35430    | 102.311  | ug/l  | # 92     |
| 12) 1,1-Dichloroethene       | 3.793  | 96    | 63695    | 19.777   | ug/l  | # 81     |
| 13) Acrolein                 | 3.653  | 56    | 27530    | 101.357  | ug/l  | 98       |
| 14) Allyl chloride           | 4.391  | 41    | 119510   | 20.566   | ug/l  | # 89     |
| 15) Acrylonitrile            | 5.061  | 53    | 86513    | 104.492  | ug/l  | 98       |
| 16) Acetone                  | 3.873  | 43    | 108395   | 112.648  | ug/l  | 88       |
| 17) Carbon Disulfide         | 4.110  | 76    | 142191   | 16.472   | ug/l  | # 94     |
| 18) Methyl Acetate           | 4.385  | 43    | 41195    | 19.874   | ug/l  | 90       |
| 19) Methyl tert-butyl Ether  | 5.122  | 73    | 191107   | 20.654   | ug/l  | 94       |
| 20) Methylene Chloride       | 4.616  | 84    | 79420    | 21.884   | ug/l  | # 81     |
| 21) trans-1,2-Dichloroethene | 5.116  | 96    | 68686    | 19.595   | ug/l  | # 84     |
| 22) Diisopropyl ether        | 6.019  | 45    | 281539   | 22.243   | ug/l  | # 86     |
| 23) Vinyl Acetate            | 5.964  | 43    | 766382   | 105.617  | ug/l  | # 89     |
| 24) 1,1-Dichloroethane       | 5.915  | 63    | 153064   | 21.754   | ug/l  | 94       |
| 25) 2-Butanone               | 6.896  | 43    | 141022   | 109.490  | ug/l  | # 82     |
| 26) 2,2-Dichloropropane      | 6.884  | 77    | 133091   | 21.240   | ug/l  | 93       |
| 27) cis-1,2-Dichloroethene   | 6.890  | 96    | 90426    | 20.875   | ug/l  | 80       |
| 28) Bromochloromethane       | 7.250  | 49    | 61601    | 19.891   | ug/l  | # 71     |
| 29) Tetrahydrofuran          | 7.262  | 42    | 74613    | 101.457  | ug/l  | # 82     |
| 30) Chloroform               | 7.421  | 83    | 158872   | 22.151   | ug/l  | 99       |
| 31) Cyclohexane              | 7.701  | 56    | 120896   | 19.574   | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 7.616  | 97    | 133928   | 21.307   | ug/l  | 95       |
| 36) 1,1-Dichloropropene      | 7.835  | 75    | 101650   | 20.566   | ug/l  | 96       |
| 37) Ethyl Acetate            | 6.988  | 43    | 55710    | 21.616   | ug/l  | # 95     |
| 38) Carbon Tetrachloride     | 7.817  | 117   | 112358   | 21.205   | ug/l  | 95       |
| 39) Methylcyclohexane        | 9.110  | 83    | 120598   | 19.365   | ug/l  | # 87     |
| 40) Benzene                  | 8.085  | 78    | 313462   | 20.956   | ug/l  | 99       |

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 Data File : VY019898.D  
 Acq On : 15 Oct 2024 12:10  
 Operator : SY/MD  
 Sample : VY1015SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 16 02:45:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 31001    | 22.225  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 92301    | 21.479  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 108724   | 20.686  | ug/l # | 79       |
| 44) Trichloroethene           | 8.866  | 130  | 72885    | 20.118  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 83867    | 22.401  | ug/l   | 96       |
| 46) Dibromomethane            | 9.231  | 93   | 42238    | 20.649  | ug/l   | 88       |
| 47) Bromodichloromethane      | 9.420  | 83   | 117316   | 21.607  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 47753    | 20.654  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 9498     | 414.865 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 287687   | 107.310 | ug/l   | 88       |
| 52) Toluene                   | 10.170 | 92   | 195732   | 20.963  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 99294    | 20.325  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 118138   | 20.495  | ug/l # | 82       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 56633    | 21.014  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.439 | 69   | 78337    | 20.258  | ug/l # | 74       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 98922    | 20.901  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 185867   | 103.246 | ug/l   | 94       |
| 59) 2-Hexanone                | 10.762 | 43   | 210139   | 109.745 | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.914 | 129  | 72773    | 21.038  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 49049    | 20.141  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 61895    | 19.546  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.438 | 112  | 213820   | 20.998  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 72032    | 20.908  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 395855   | 21.400  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 290106   | 42.465  | ug/l   | 92       |
| 69) o-Xylene                  | 11.957 | 106  | 138706   | 21.132  | ug/l   | 91       |
| 70) Styrene                   | 11.969 | 104  | 232346   | 20.981  | ug/l   | 95       |
| 71) Bromoform                 | 12.133 | 173  | 37630    | 20.403  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.255 | 105  | 384833   | 21.752  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.072 | 43   | 95909    | 20.468  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 67128    | 21.354  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 84870    | 20.597  | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 76752    | 20.444  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.597 | 91   | 470959   | 22.031  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 266807   | 21.770  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 308332   | 21.580  | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 19753    | 19.350  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 272864   | 21.775  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 282761   | 22.091  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 304588   | 21.502  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 426480   | 22.301  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 330747   | 21.299  | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 160096   | 21.116  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 155524   | 20.880  | ug/l   | 96       |
| 89) n-Butylbenzene            | 13.615 | 91   | 332033   | 21.897  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 66058    | 21.846  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 139360   | 20.919  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 10127    | 20.185  | ug/l   | 70       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 75299    | 20.158  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 41676    | 20.068  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 134092   | 19.033  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 61119    | 19.356  | ug/l   | 97       |

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Data File : VY019898.D  
Acq On : 15 Oct 2024 12:10  
Operator : SY/MD  
Sample : VY1015SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 16 02:45:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
Response via : Initial Calibration

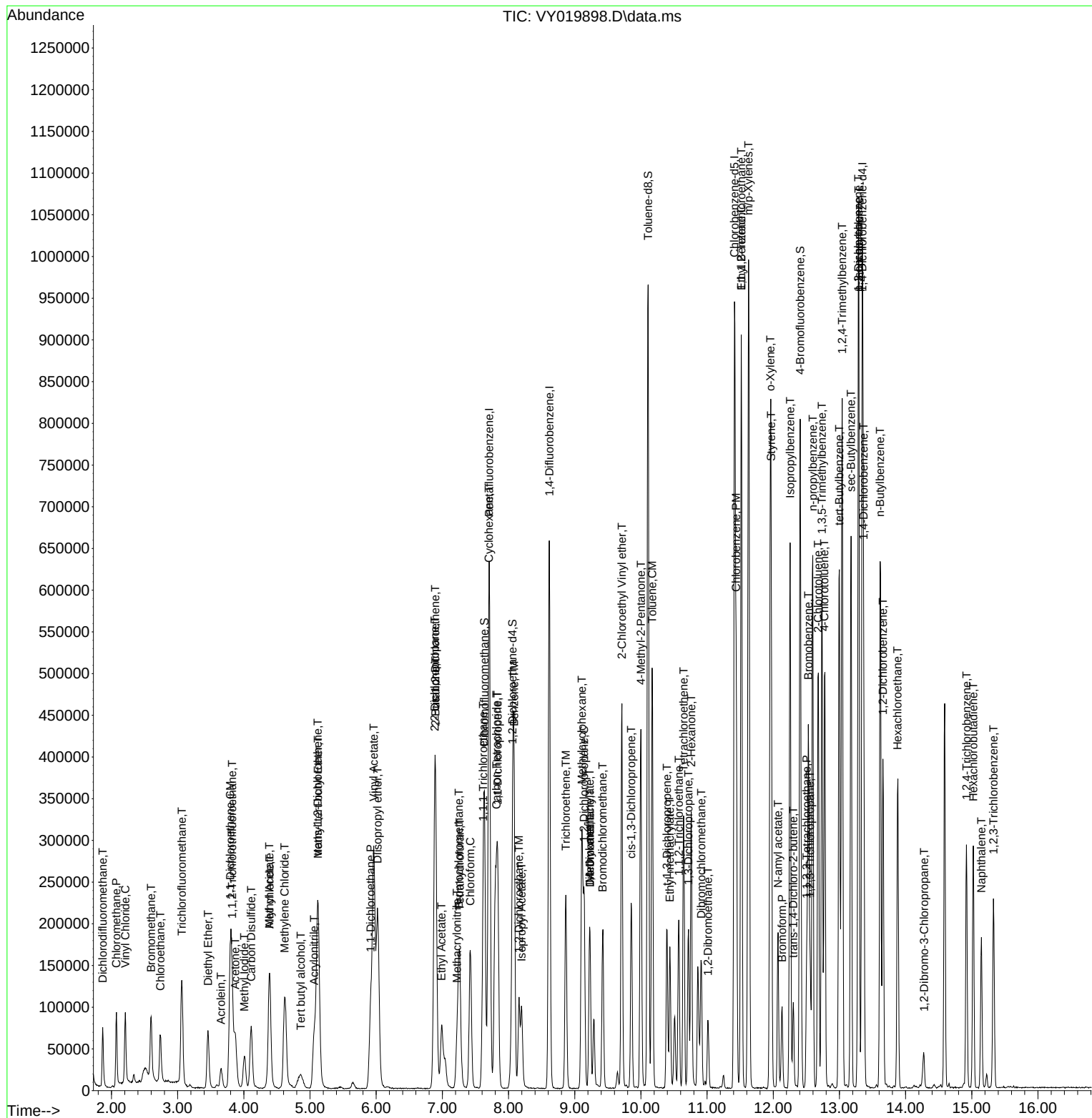
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

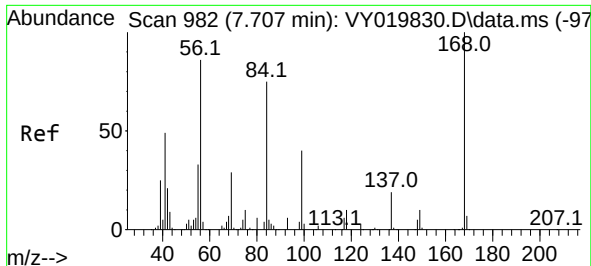
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY019898.D  
Data File : VY019898.D  
Acq On : 15 Oct 2024 12:10  
Operator : SY/MD  
Sample : VY0155BS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/soil  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Oct 16 02:45:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
Response via : Initial Calibration

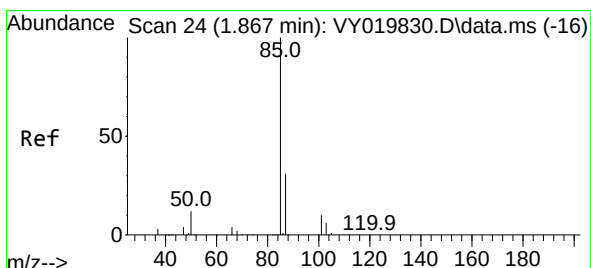
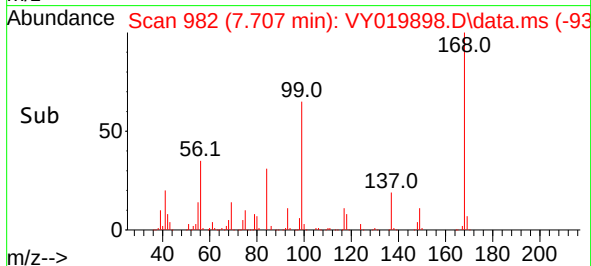
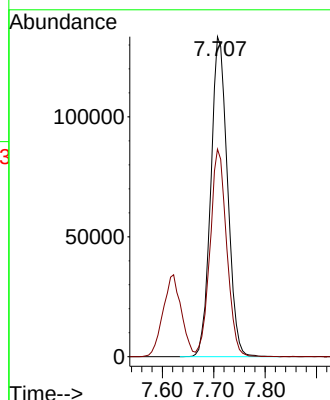
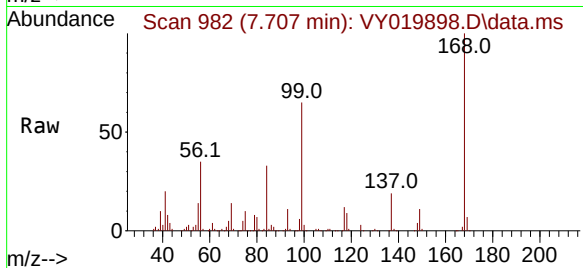




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

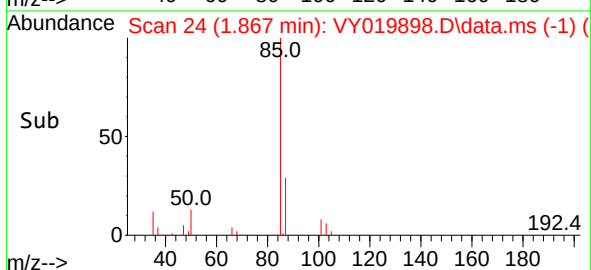
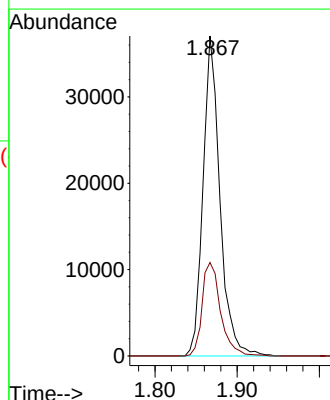
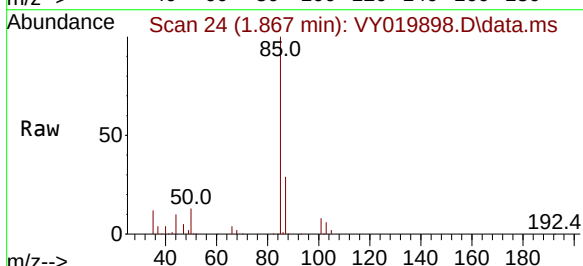
Instrument :  
MSVOA\_Y  
ClientSampleId :

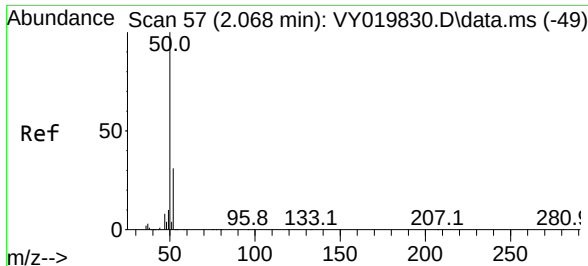
Tgt Ion:168 Resp: 300208  
Ion Ratio Lower Upper  
168 100  
99 64.9 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: 18.918 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 85 Resp: 52869  
Ion Ratio Lower Upper  
85 100  
87 29.2 16.0 48.0

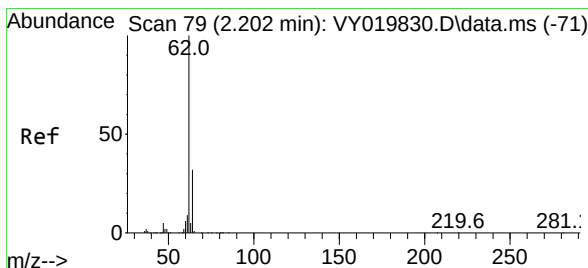
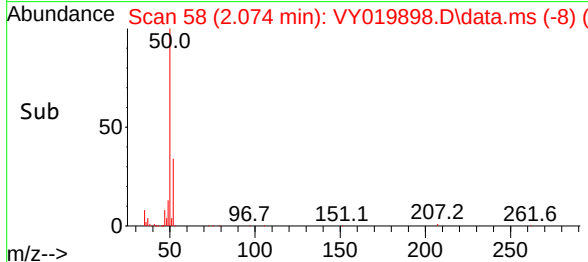
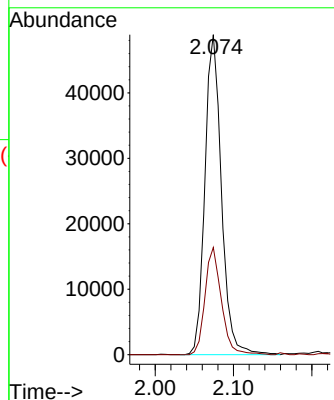
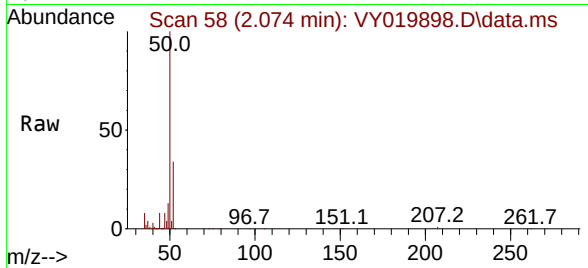




#3  
Chloromethane  
Concen: 19.668 ug/l  
RT: 2.074 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

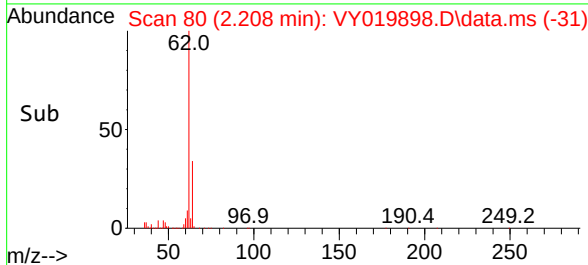
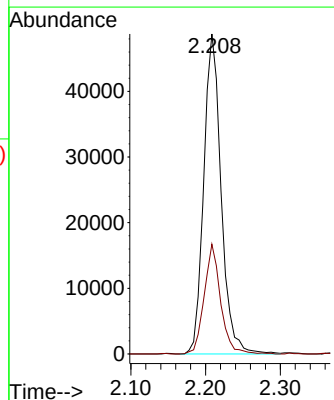
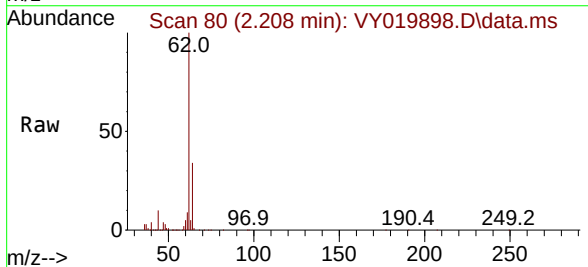
Instrument :  
MSVOA\_Y  
ClientSampleId :

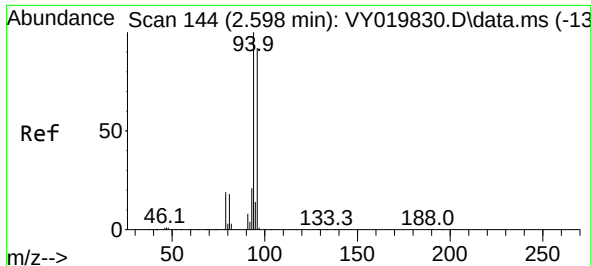
Tgt Ion: 50 Resp: 71538  
Ion Ratio Lower Upper  
50 100  
52 33.5 25.6 38.4



#4  
Vinyl Chloride  
Concen: 19.719 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 62 Resp: 78930  
Ion Ratio Lower Upper  
62 100  
64 34.3 26.1 39.1

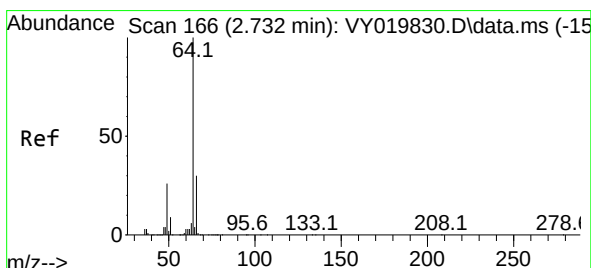
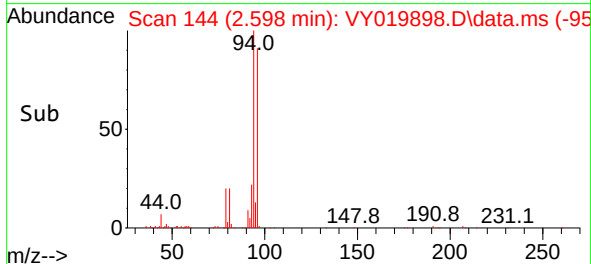
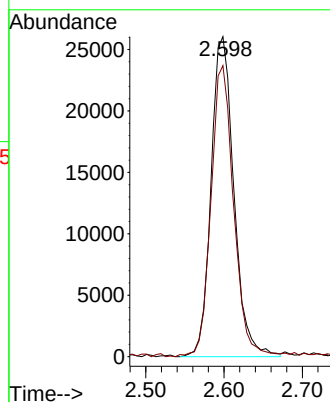
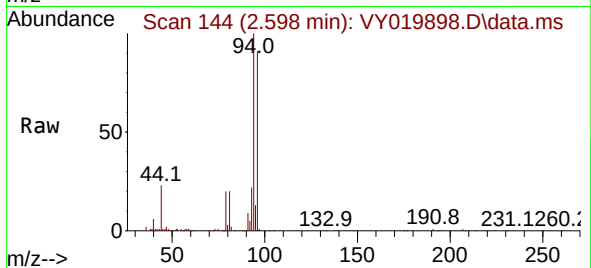




#5  
Bromomethane  
Concen: 20.837 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

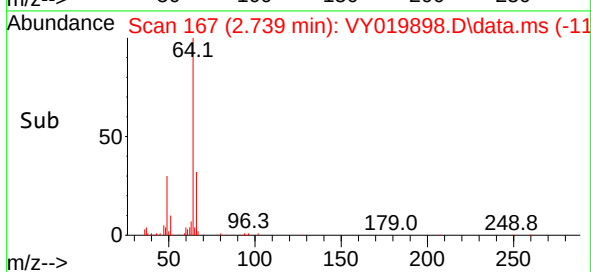
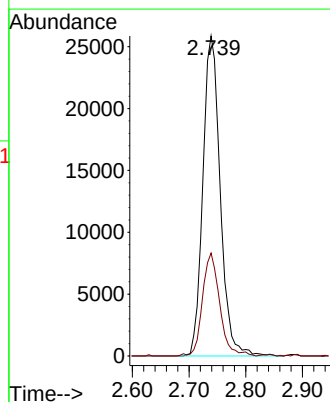
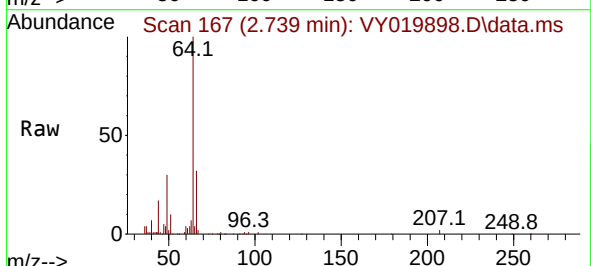
Instrument :  
MSVOA\_Y  
ClientSampleId :

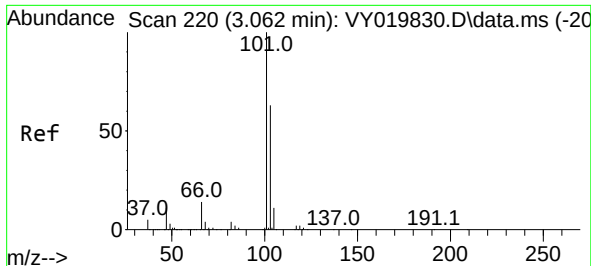
Tgt Ion: 94 Resp: 52792  
Ion Ratio Lower Upper  
94 100  
96 90.3 74.1 111.1



#6  
Chloroethane  
Concen: 20.436 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

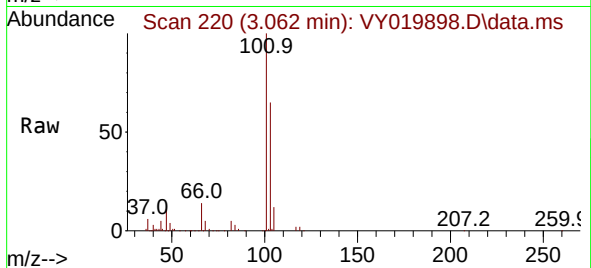
Tgt Ion: 64 Resp: 54951  
Ion Ratio Lower Upper  
64 100  
66 32.0 26.1 39.1



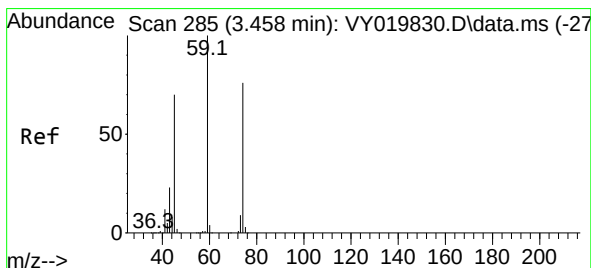
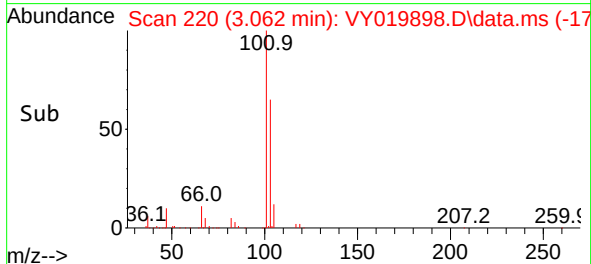
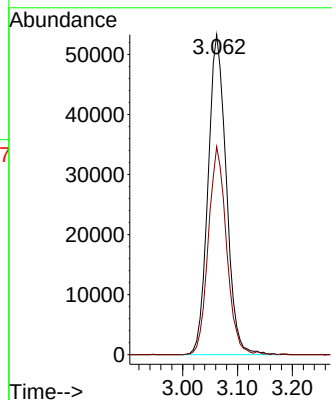


#7  
 Trichlorofluoromethane  
 Concen: 20.627 ug/l  
 RT: 3.062 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

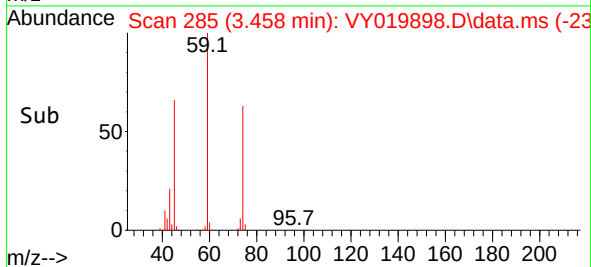
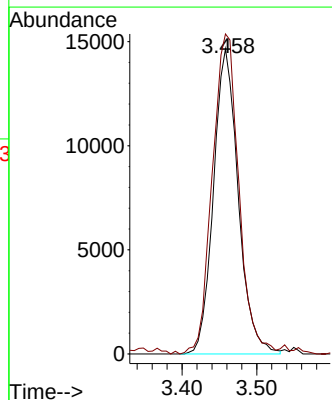
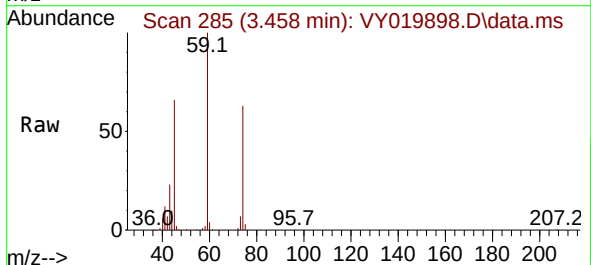


Tgt Ion:101 Resp: 122852  
 Ion Ratio Lower Upper  
 101 100  
 103 65.0 49.3 73.9

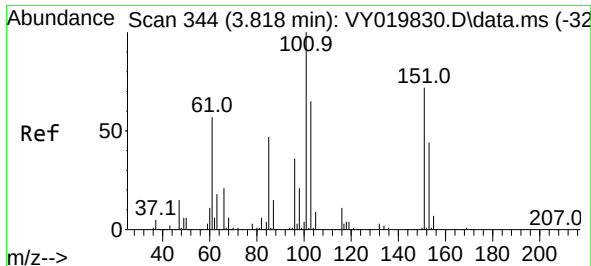


#8  
 Diethyl Ether  
 Concen: 18.687 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. 0.000 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

Tgt Ion: 74 Resp: 33826  
 Ion Ratio Lower Upper  
 74 100  
 45 112.0 41.3 124.1



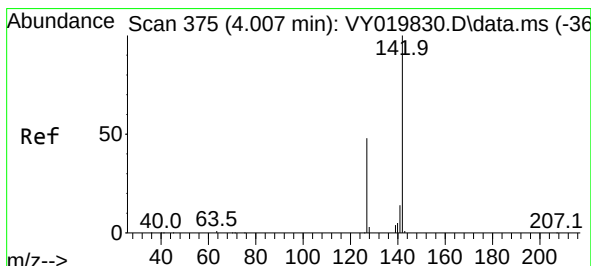
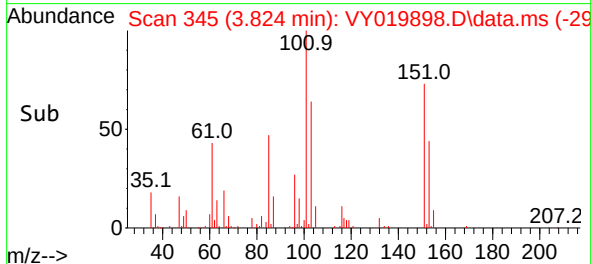
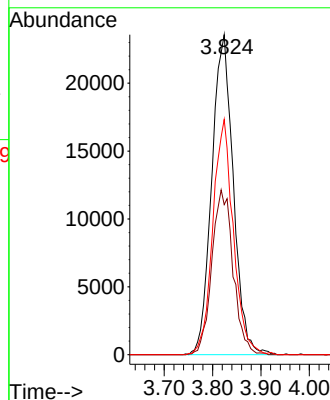
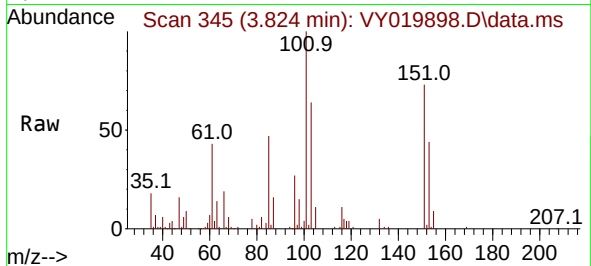




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.007 ug/l  
RT: 3.824 min Scan# 344  
Delta R.T. 0.013 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

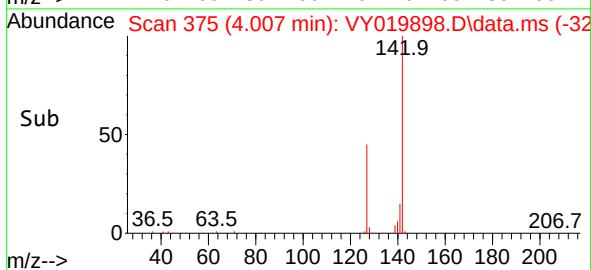
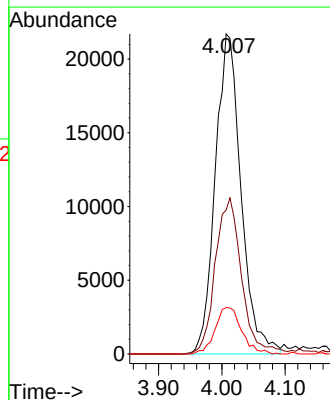
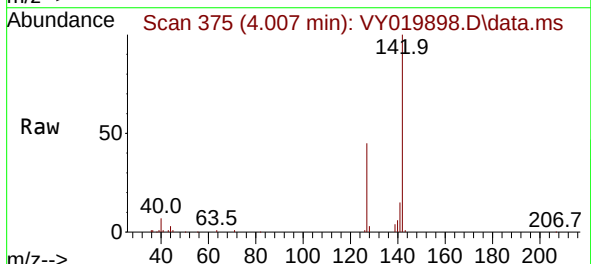
Instrument :  
MSVOA\_Y  
ClientSampleId :

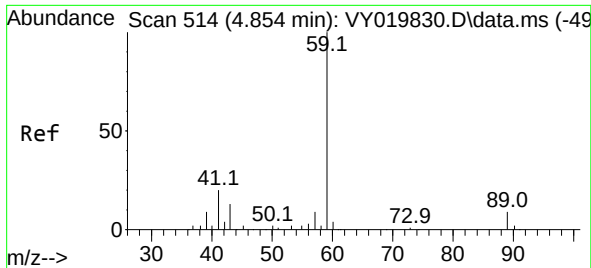
Tgt Ion:101 Resp: 72774  
Ion Ratio Lower Upper  
101 100  
85 51.0 34.5 51.7  
151 70.1 61.7 92.5



#10  
Methyl Iodide  
Concen: 17.528 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion:142 Resp: 61416  
Ion Ratio Lower Upper  
142 100  
127 49.4 32.8 49.2#  
141 14.9 11.4 17.2

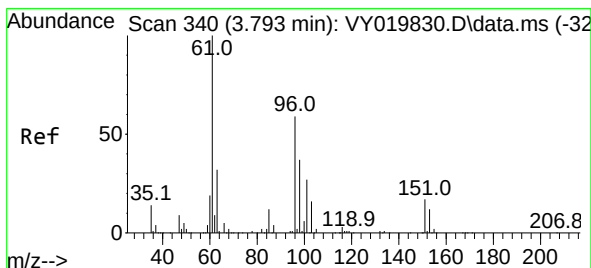
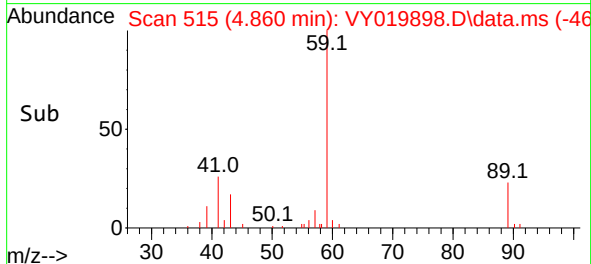
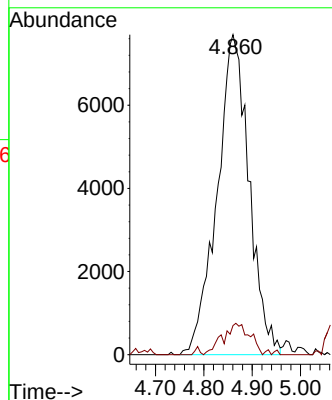
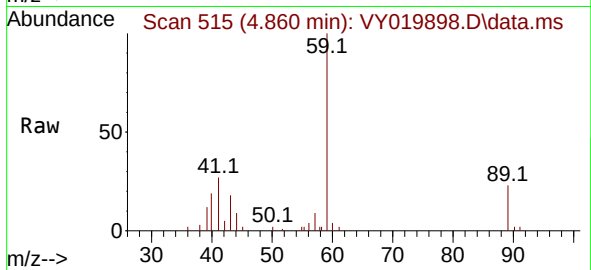




#11  
Tert butyl alcohol  
Concen: 102.311 ug/l  
RT: 4.860 min Scan# 514  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

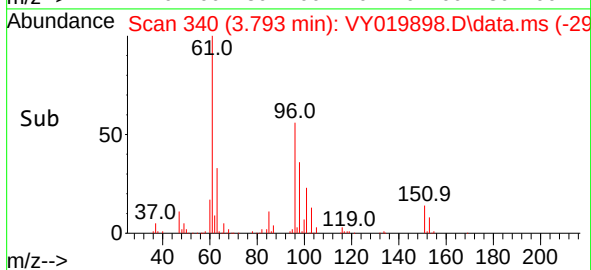
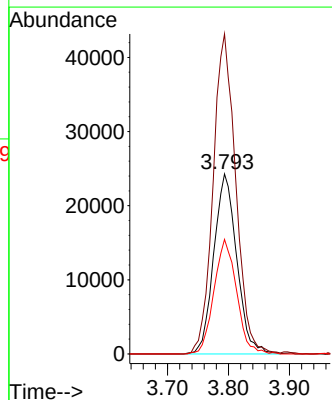
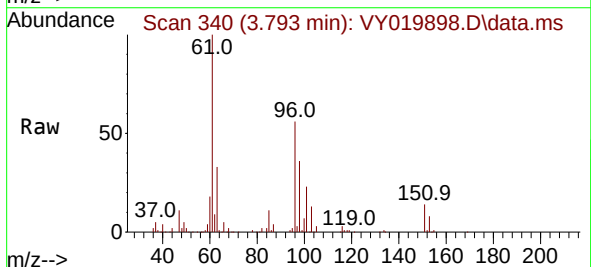
Instrument :  
MSVOA\_Y  
ClientSampleId :

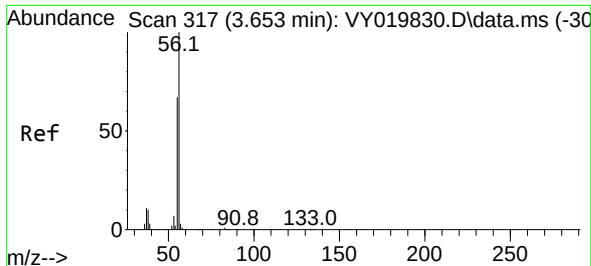
Tgt Ion: 59 Resp: 35430  
Ion Ratio Lower Upper  
59 100  
57 6.4 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 19.777 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 96 Resp: 63695  
Ion Ratio Lower Upper  
96 100  
61 177.8 114.6 171.8#  
98 63.6 50.8 76.2

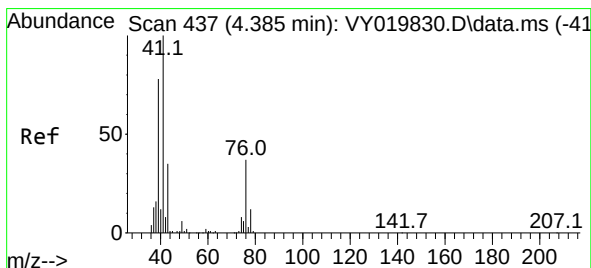
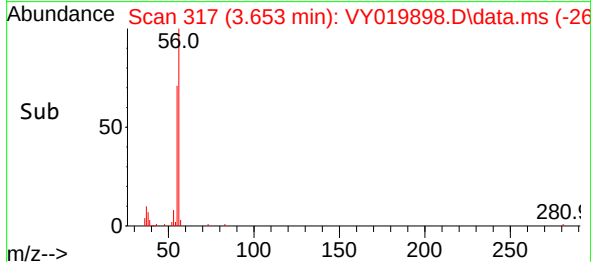
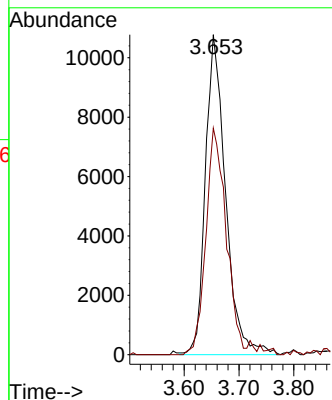
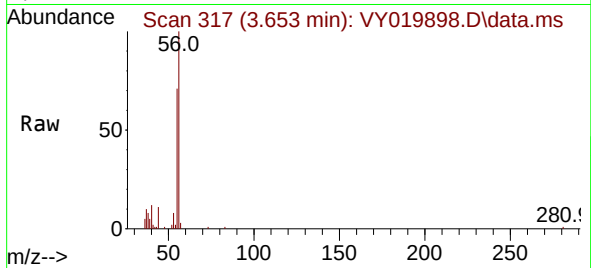




#13  
Acrolein  
Concen: 101.357 ug/l  
RT: 3.653 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

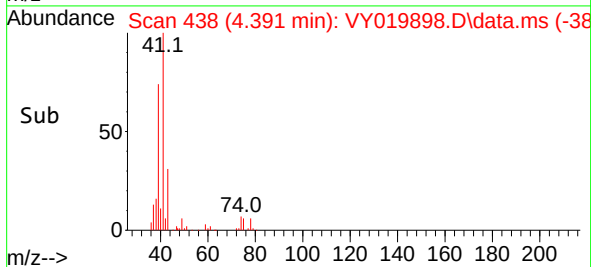
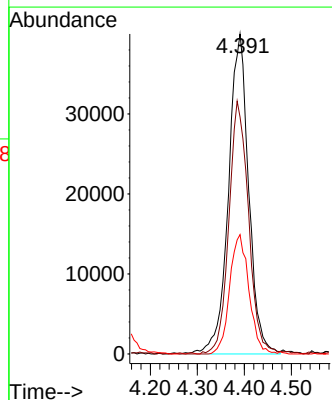
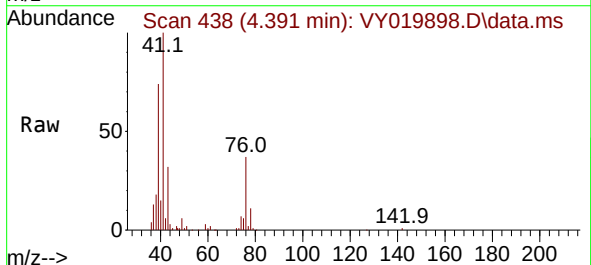
Instrument :  
MSVOA\_Y  
ClientSampleId :

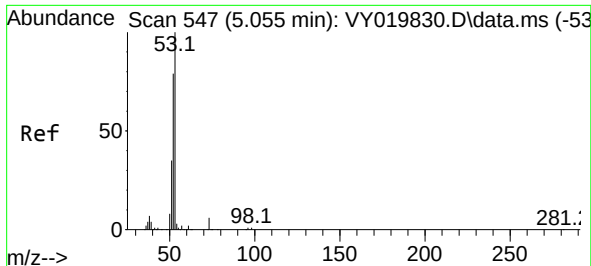
Tgt Ion: 56 Resp: 27530  
Ion Ratio Lower Upper  
56 100  
55 71.4 55.7 83.5



#14  
Allyl chloride  
Concen: 20.566 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

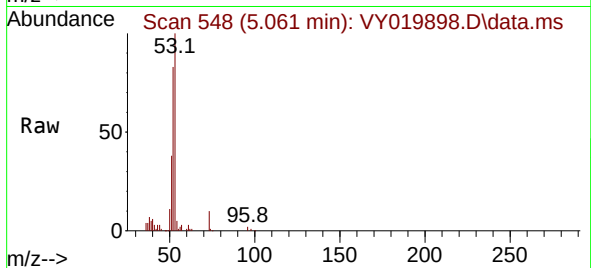
Tgt Ion: 41 Resp: 119510  
Ion Ratio Lower Upper  
41 100  
39 77.0 58.3 87.5  
76 35.6 39.0 58.6#



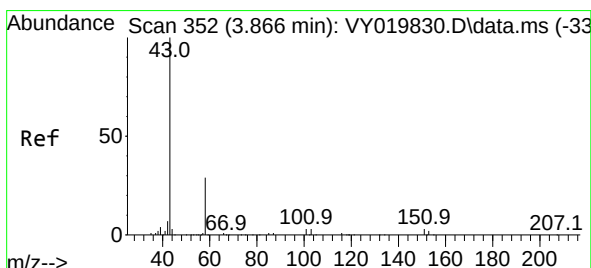
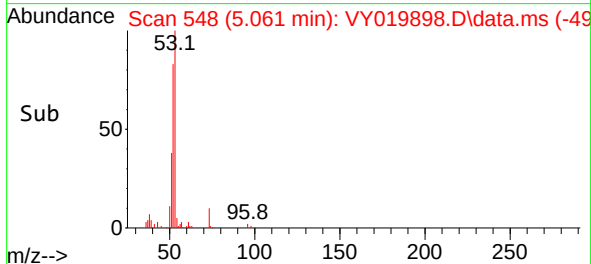
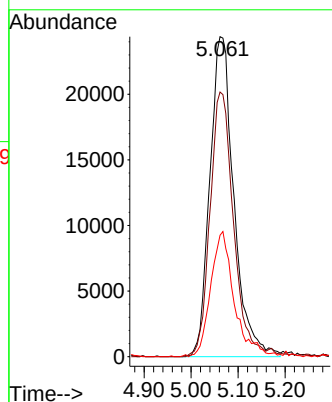


#15  
Acrylonitrile  
Concen: 104.492 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Instrument :  
MSVOA\_Y  
ClientSampleId :

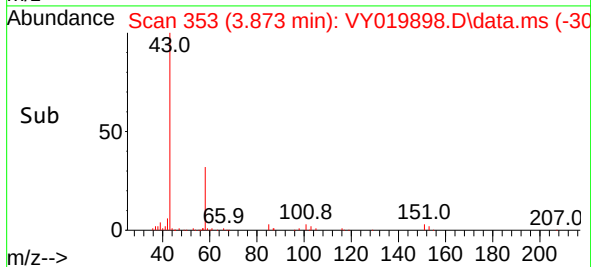
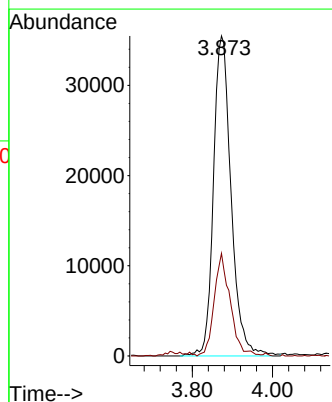
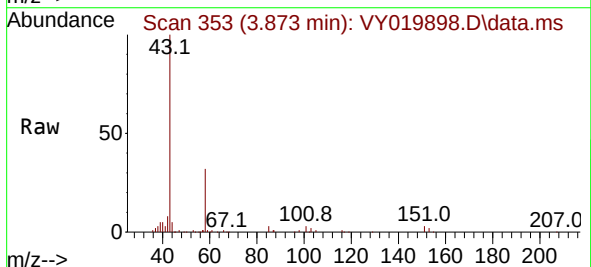


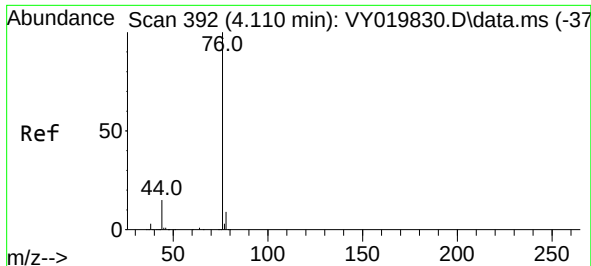
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 80.4  | 64.7  | 97.1  |
| 51      | 38.3  | 28.4  | 42.6  |



#16  
Acetone  
Concen: 112.648 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 32.0  | 31.7  | 47.5  |

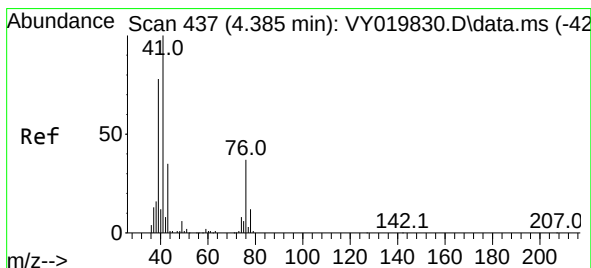
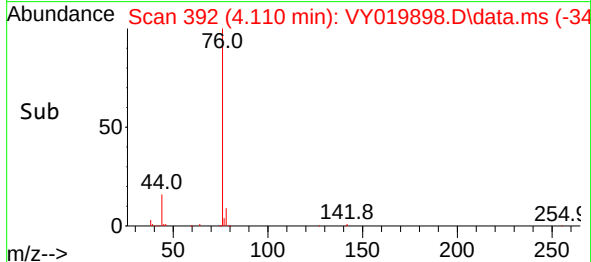
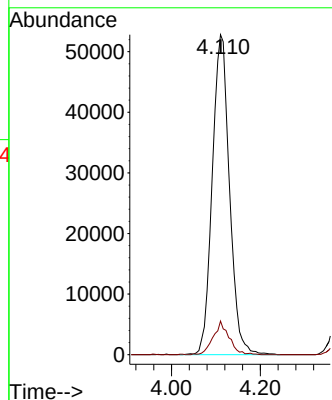
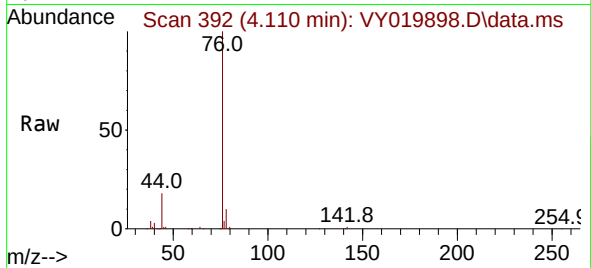




#17  
Carbon Disulfide  
Concen: 16.472 ug/l  
RT: 4.110 min Scan# 392  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

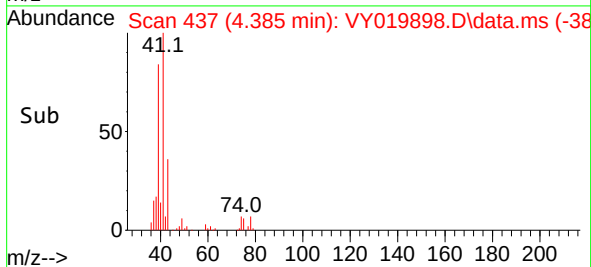
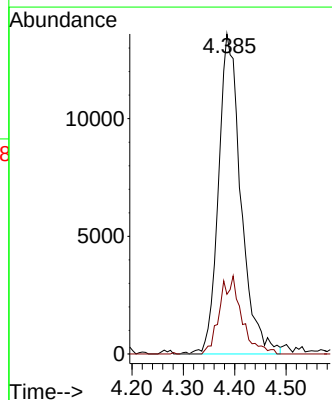
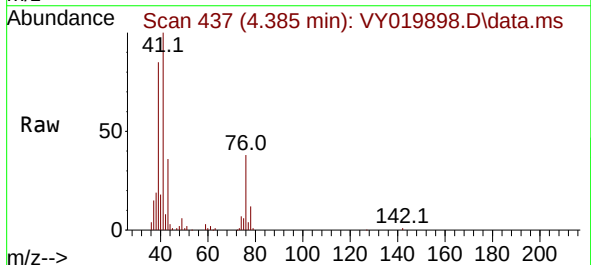
Instrument :  
MSVOA\_Y  
ClientSampleId :

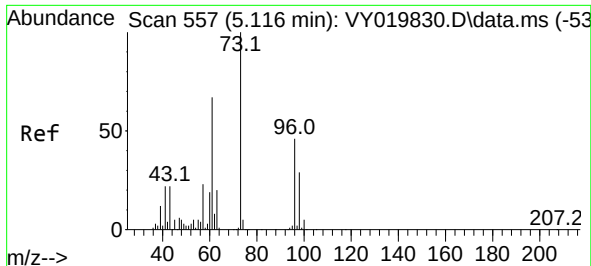
Tgt Ion: 76 Resp: 142191  
Ion Ratio Lower Upper  
76 100  
78 10.5 6.8 10.2#



#18  
Methyl Acetate  
Concen: 19.874 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 43 Resp: 41195  
Ion Ratio Lower Upper  
43 100  
74 23.9 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 20.654 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.007 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

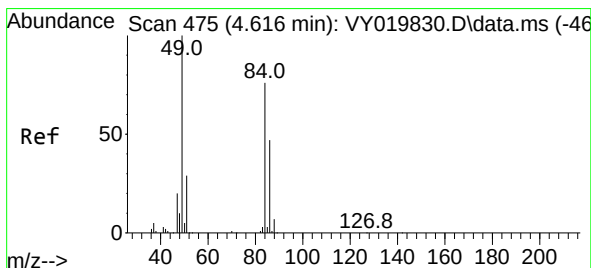
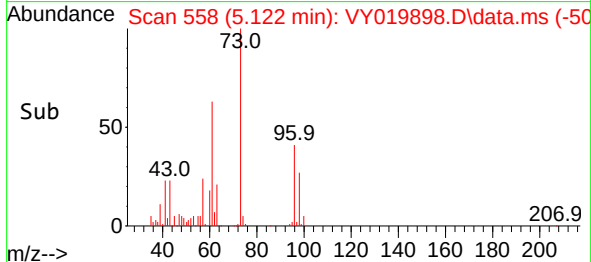
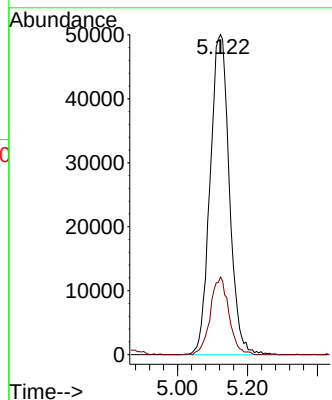
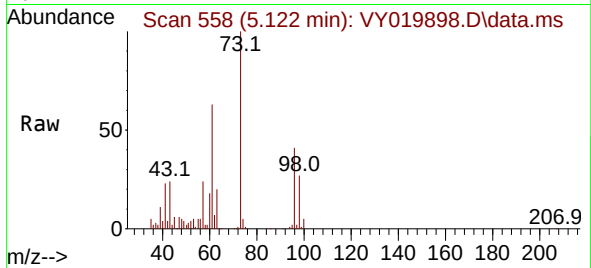
ClientSampleId :

Tgt Ion: 73 Resp: 191107

Ion Ratio Lower Upper

73 100

57 24.3 17.3 25.9



#20

Methylene Chloride

Concen: 21.884 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Tgt Ion: 84 Resp: 79420

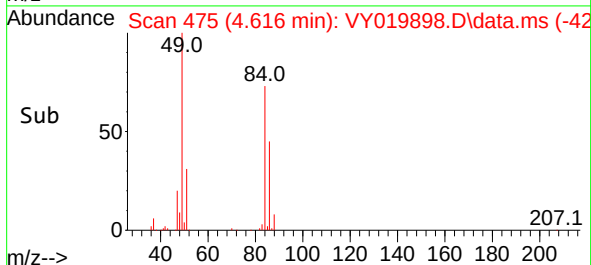
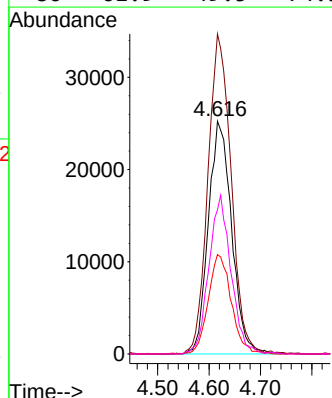
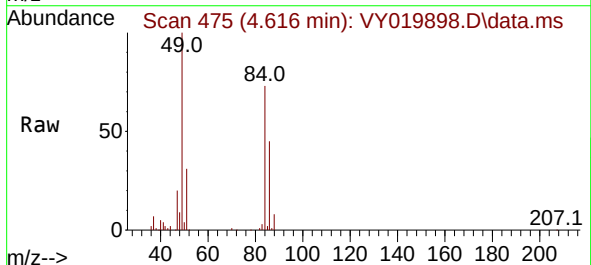
Ion Ratio Lower Upper

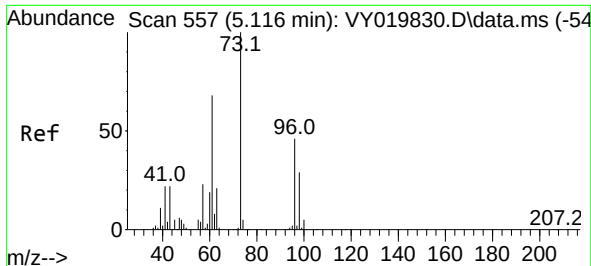
84 100

49 137.1 84.4 126.6#

51 42.7 26.0 39.0#

86 61.9 49.5 74.3

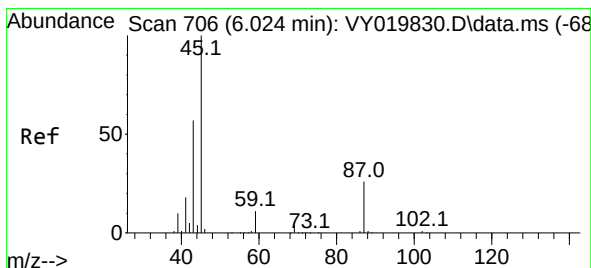
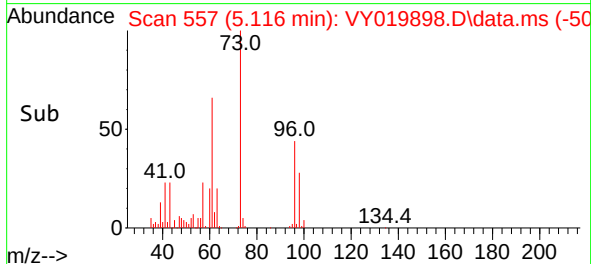
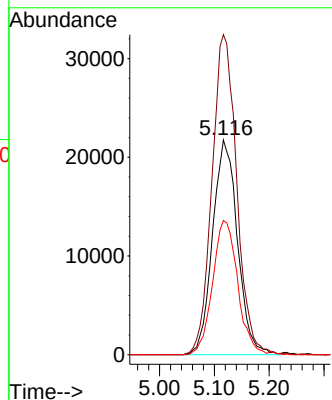
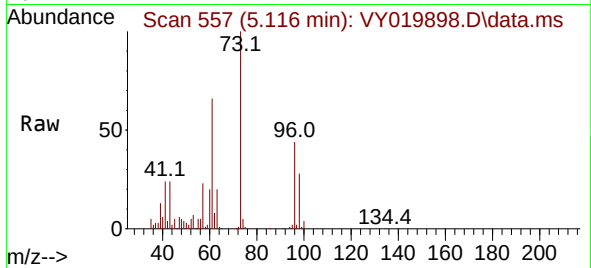




#21  
trans-1,2-Dichloroethene  
Concen: 19.595 ug/l  
RT: 5.116 min Scan# 51  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

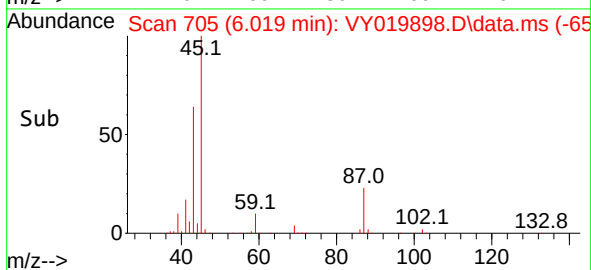
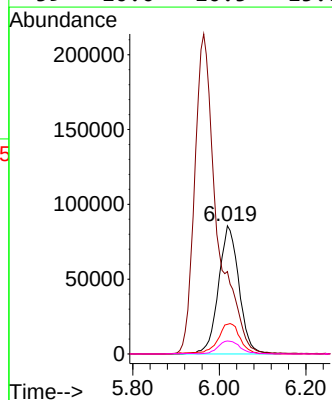
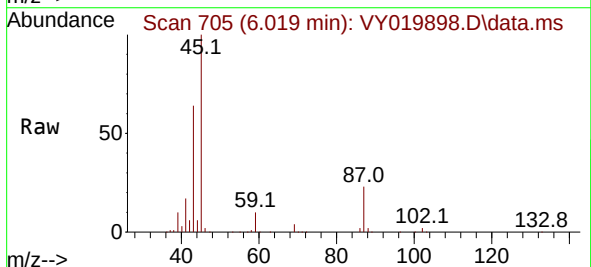
Instrument :  
MSVOA\_Y  
ClientSampleId :

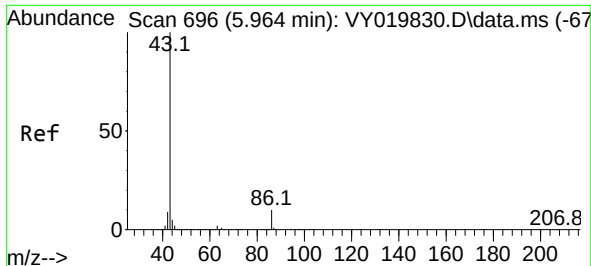
Tgt Ion: 96 Resp: 68686  
Ion Ratio Lower Upper  
96 100  
61 149.0 97.5 146.3#  
98 62.5 50.5 75.7



#22  
Diisopropyl ether  
Concen: 22.243 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 45 Resp: 281539  
Ion Ratio Lower Upper  
45 100  
43 63.4 42.2 63.2#  
87 23.1 25.0 37.6#  
59 10.0 10.5 15.7#

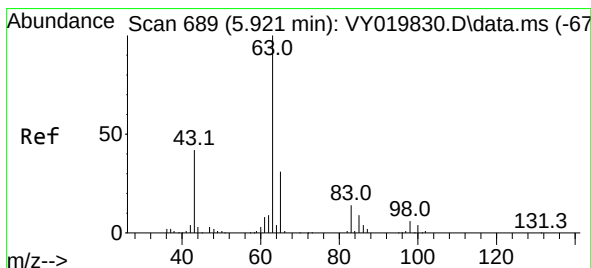
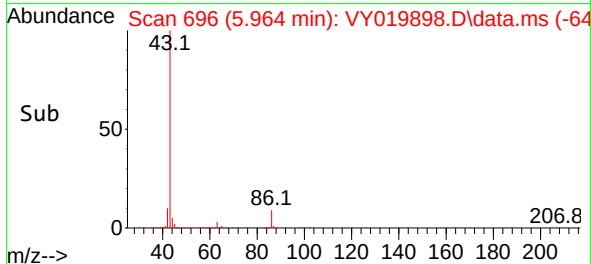
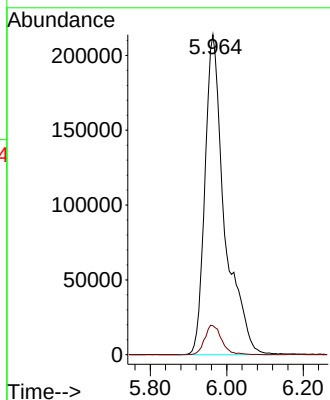
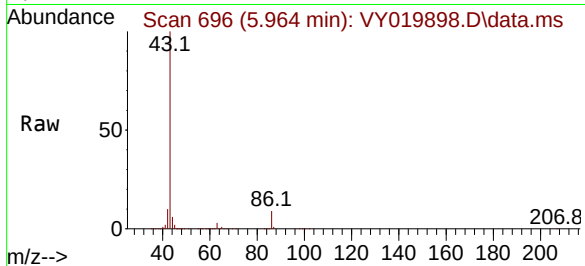




#23  
 Vinyl Acetate  
 Concen: 105.617 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. 0.007 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

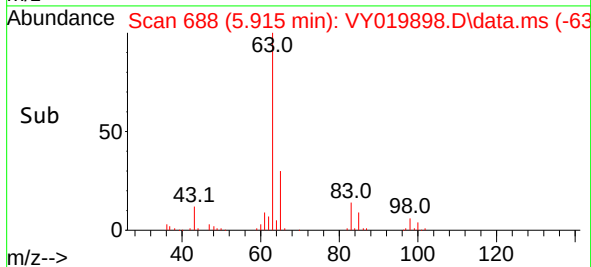
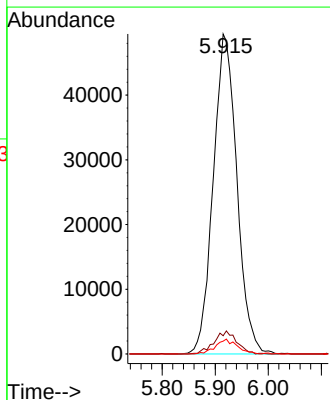
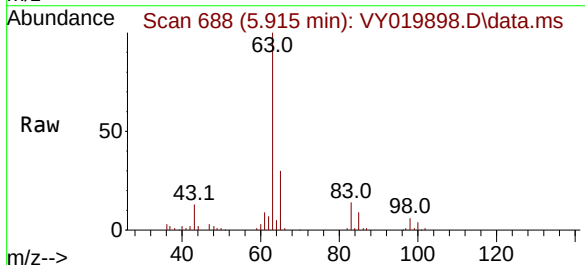
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 766382  
 Ion Ratio Lower Upper  
 43 100  
 86 9.0 10.6 16.0#

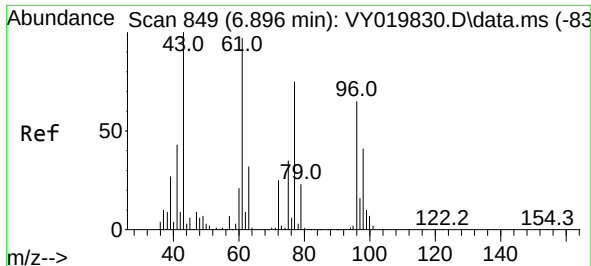


#24  
 1,1-Dichloroethane  
 Concen: 21.754 ug/l  
 RT: 5.915 min Scan# 688  
 Delta R.T. 0.000 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

Tgt Ion: 63 Resp: 153064  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 4.0 12.2  
 100 4.0 2.6 8.0



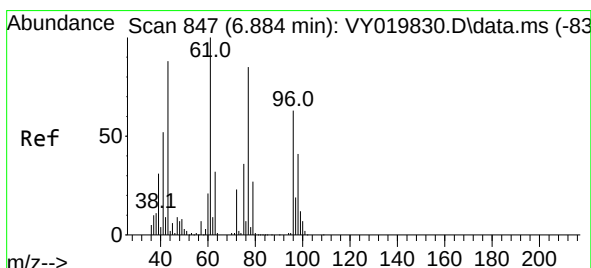
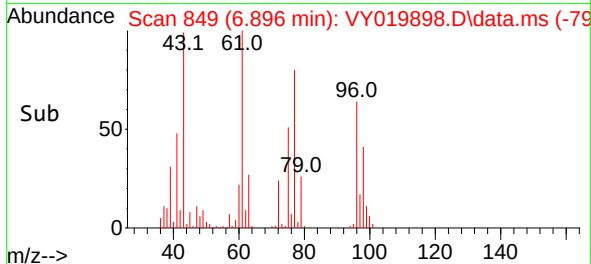
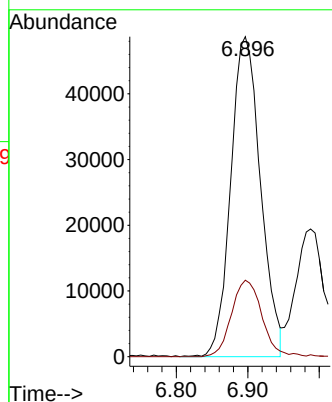
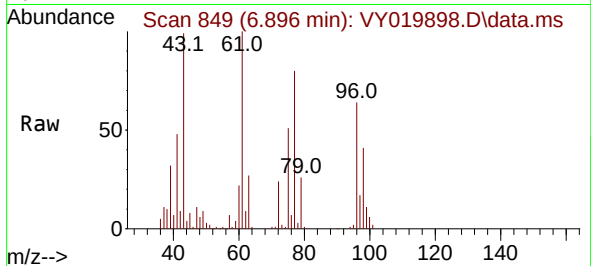




#25  
2-Butanone  
Concen: 109.490 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

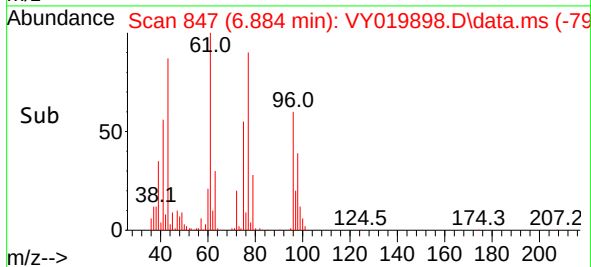
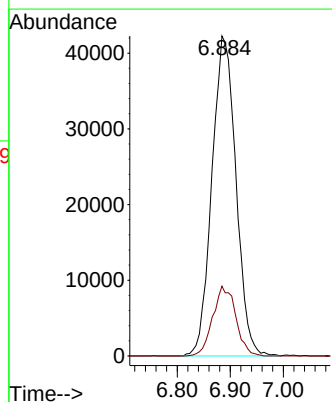
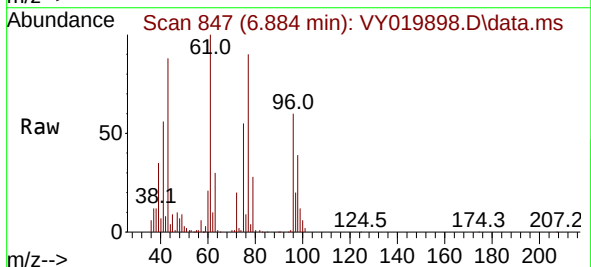
Instrument :  
MSVOA\_Y  
ClientSampleId :

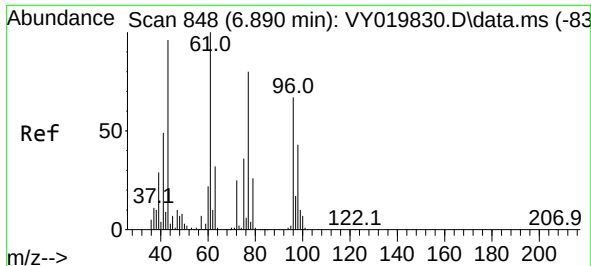
Tgt Ion: 43 Resp: 141022  
Ion Ratio Lower Upper  
43 100  
72 23.9 27.3 40.9#



#26  
2,2-Dichloropropane  
Concen: 21.240 ug/l  
RT: 6.884 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 77 Resp: 133091  
Ion Ratio Lower Upper  
77 100  
97 20.8 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 20.875 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

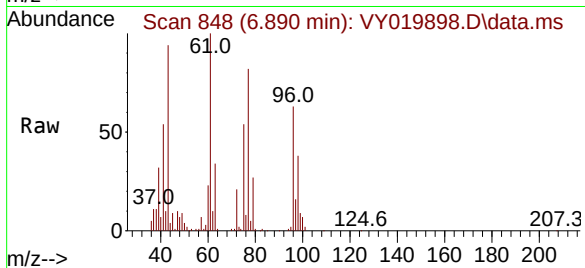
Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :



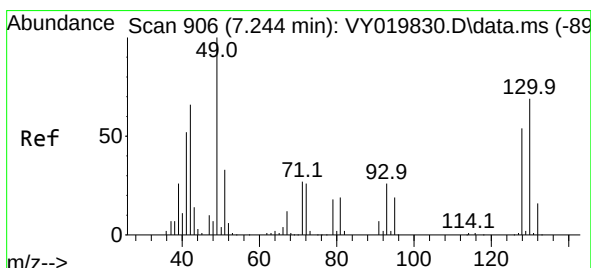
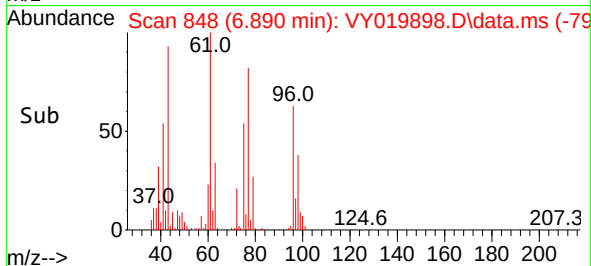
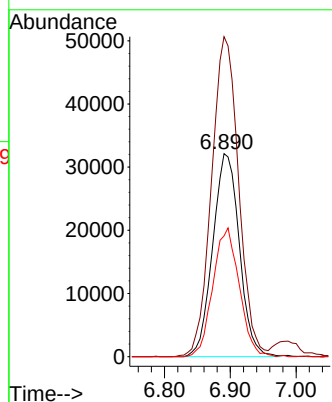
Tgt Ion: 96 Resp: 90426

Ion Ratio Lower Upper

96 100

61 160.8 0.0 256.2

98 62.7 0.0 130.0



#28

Bromochloromethane

Concen: 19.891 ug/l

RT: 7.250 min Scan# 907

Delta R.T. 0.007 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

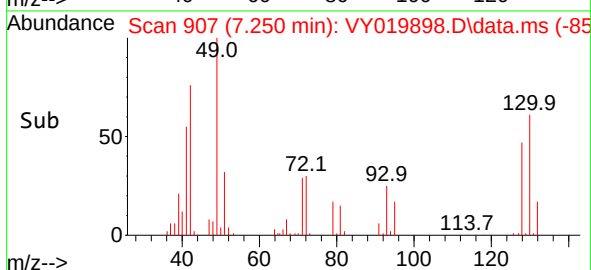
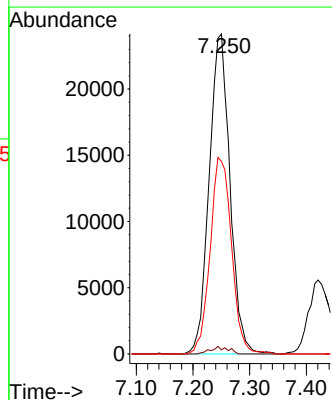
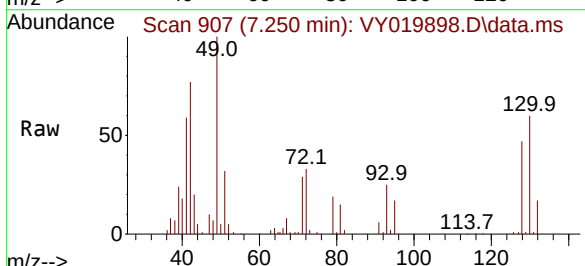
Tgt Ion: 49 Resp: 61601

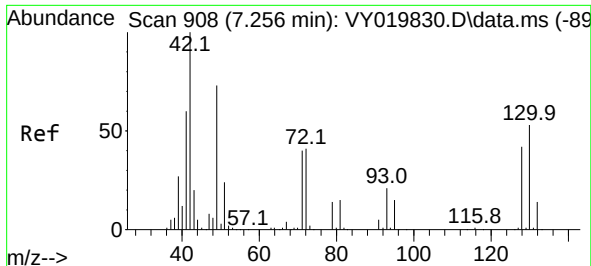
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

130 63.2 72.7 109.1#





#29

Tetrahydrofuran

Concen: 101.457 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

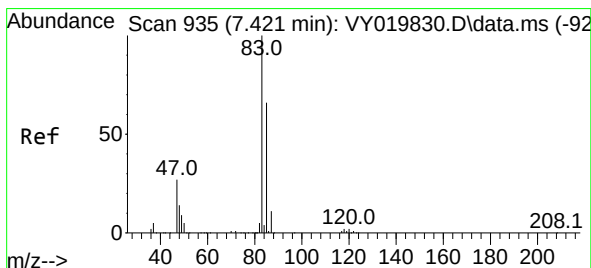
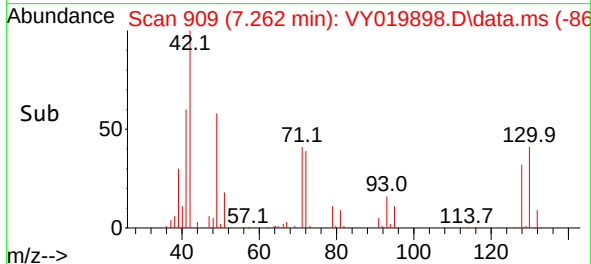
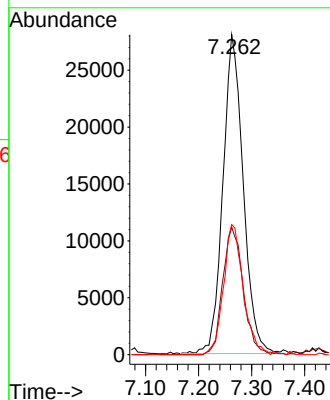
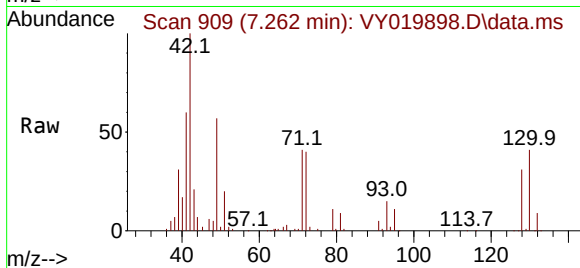
Tgt Ion: 42 Resp: 74613

Ion Ratio Lower Upper

42 100

72 40.4 43.0 64.4#

71 39.5 40.8 61.2#



#30

Chloroform

Concen: 22.151 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY019898.D

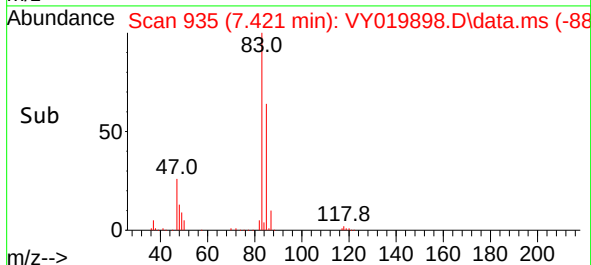
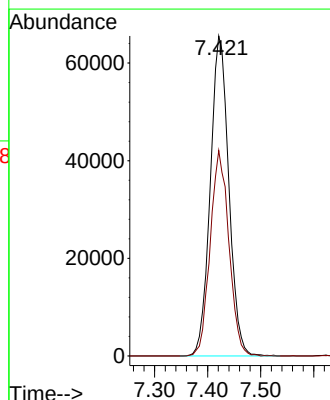
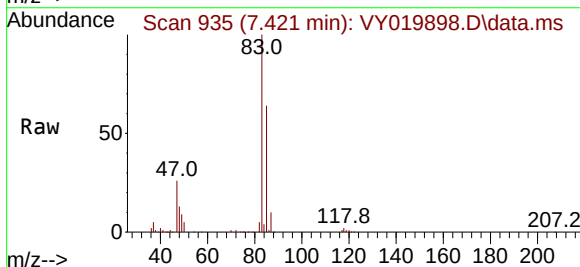
Acq: 15 Oct 2024 12:10

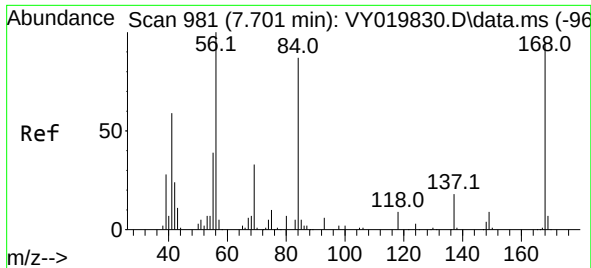
Tgt Ion: 83 Resp: 158872

Ion Ratio Lower Upper

83 100

85 64.2 52.2 78.4

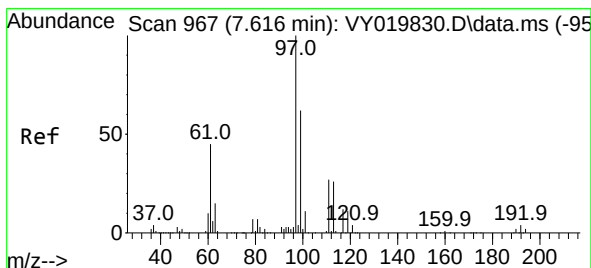
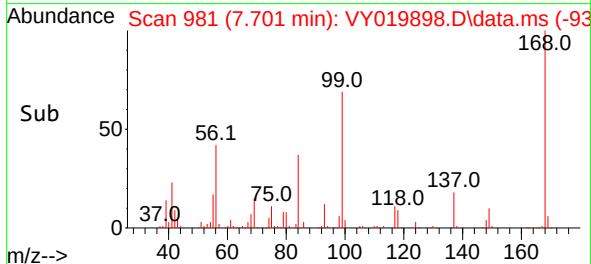
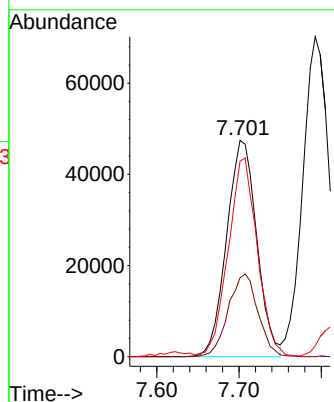
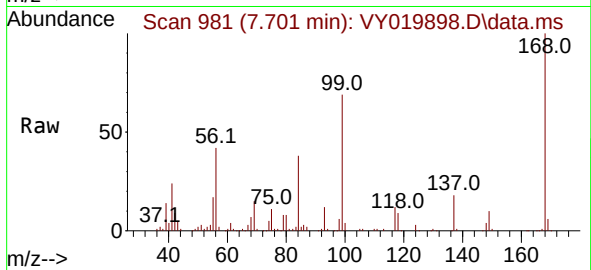




#31  
Cyclohexane  
Concen: 19.574 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

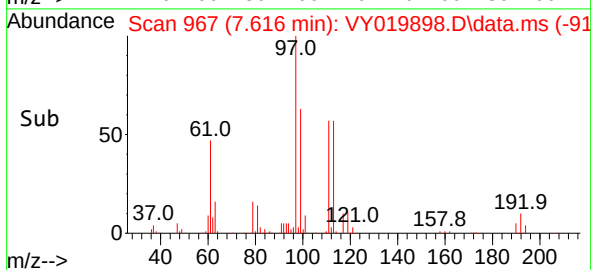
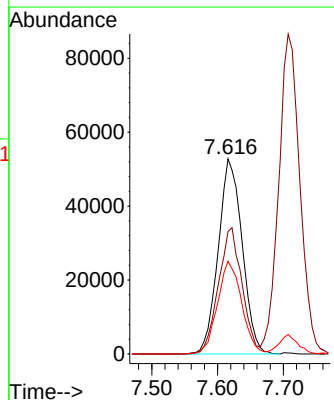
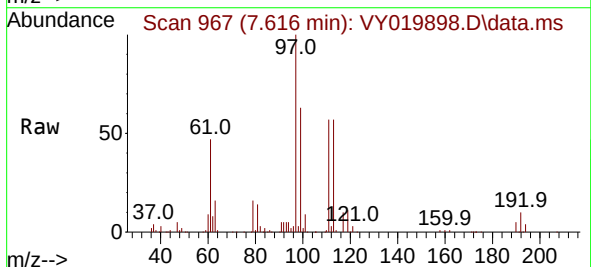
Instrument :  
MSVOA\_Y  
ClientSampleId :

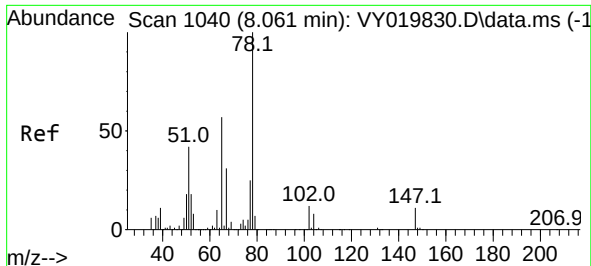
Tgt Ion: 56 Resp: 120896  
Ion Ratio Lower Upper  
56 100  
69 36.5 28.7 43.1  
84 88.3 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 21.307 ug/l  
RT: 7.616 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 97 Resp: 133928  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.3 75.5  
61 47.8 32.6 48.8

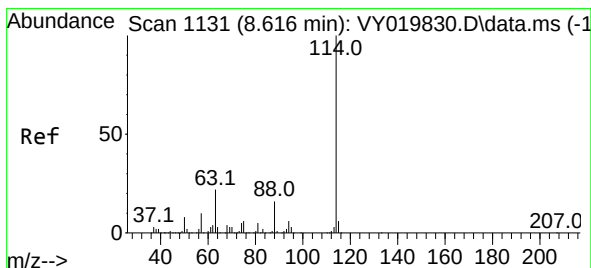
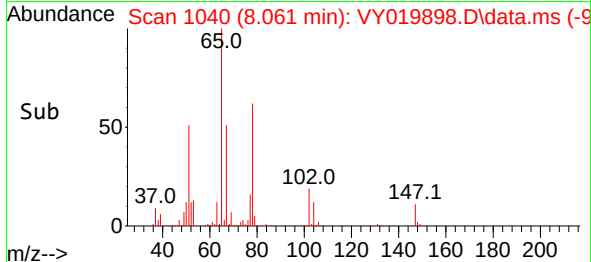
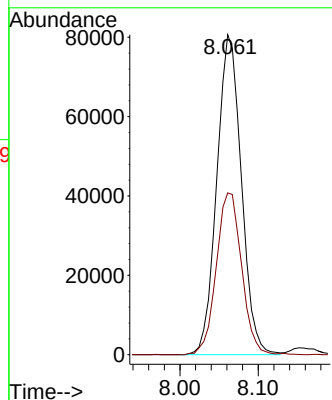
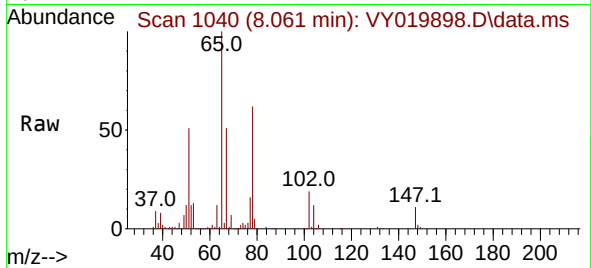




#33  
1,2-Dichloroethane-d4  
Concen: 47.528 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

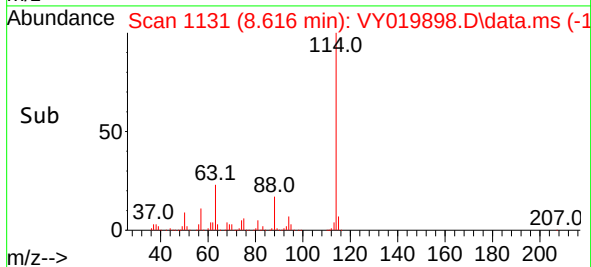
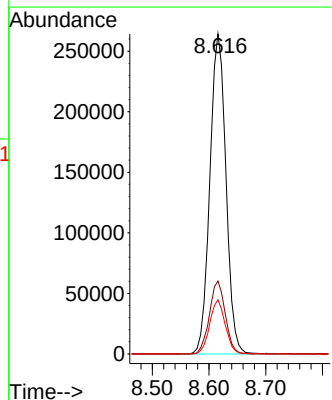
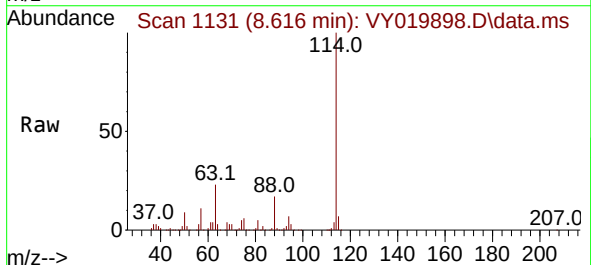
Instrument :  
MSVOA\_Y  
ClientSampleId :

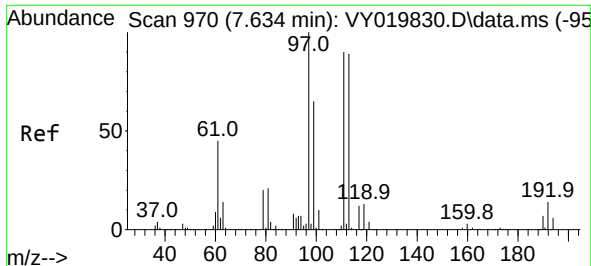
Tgt Ion: 65 Resp: 175686  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 114 Resp: 519890  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 35.0  
88 16.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 48.875 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

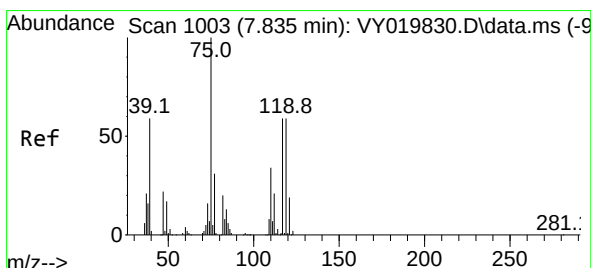
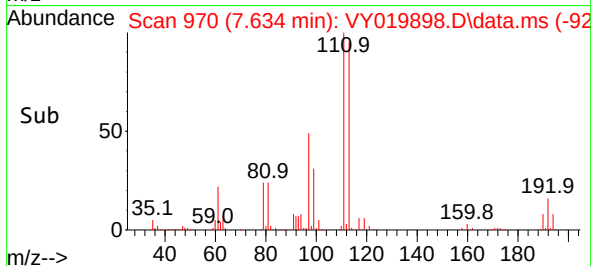
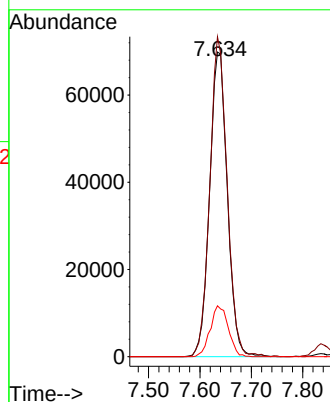
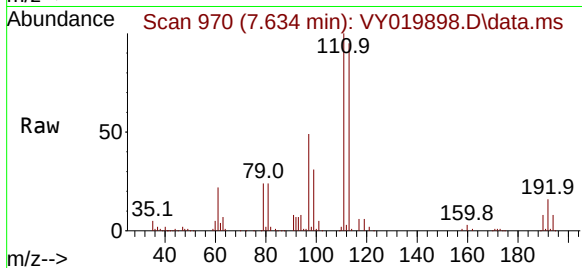
Tgt Ion:113 Resp: 167676

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 17.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 20.566 ug/l

RT: 7.835 min Scan# 1003

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

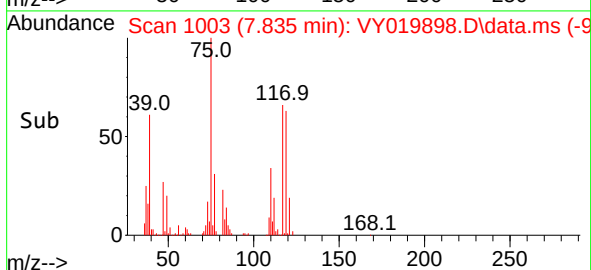
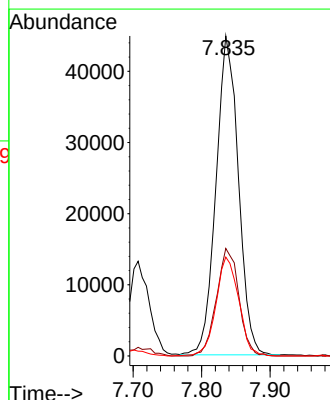
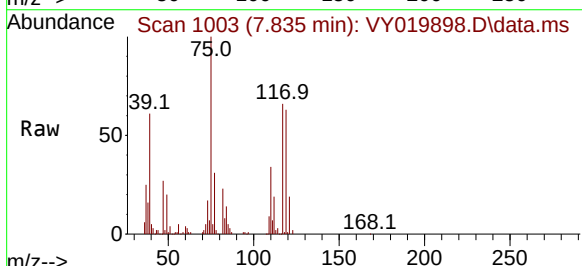
Tgt Ion: 75 Resp: 101650

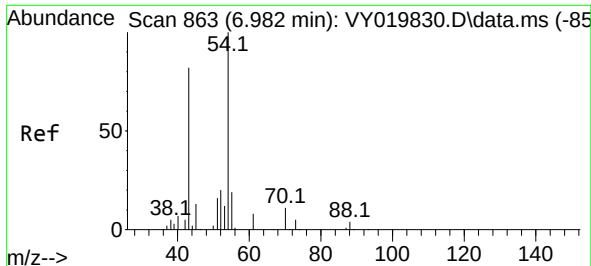
Ion Ratio Lower Upper

75 100

110 33.7 19.0 57.0

77 31.6 25.3 37.9

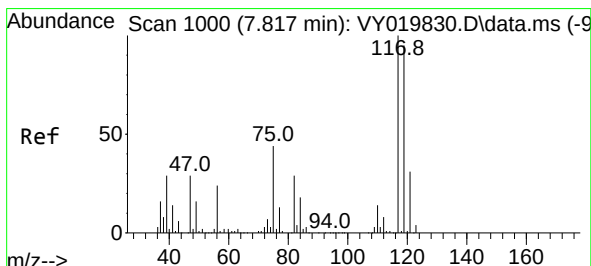
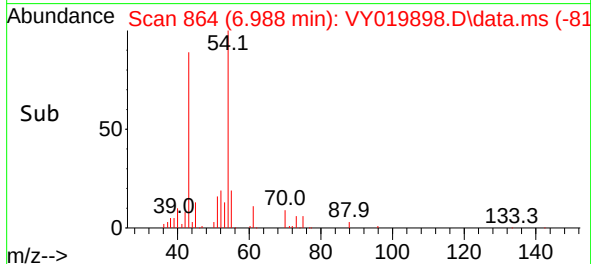
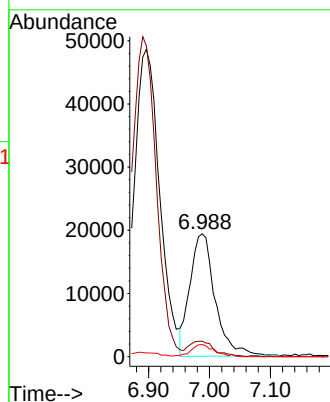
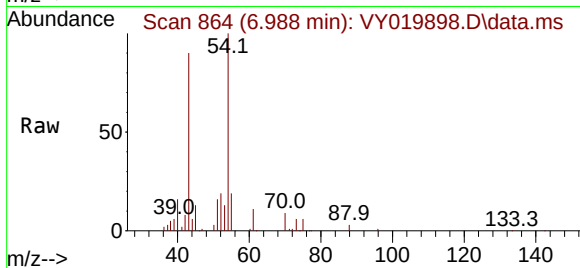




#37  
Ethyl Acetate  
Concen: 21.616 ug/l  
RT: 6.988 min Scan# 80  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

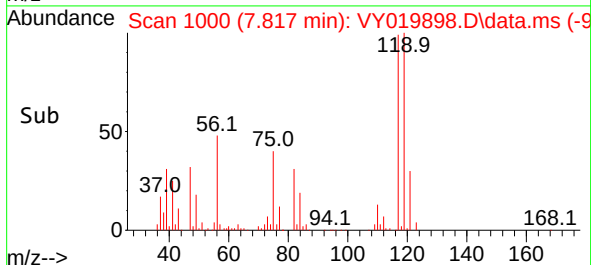
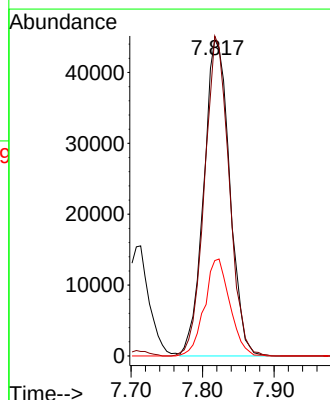
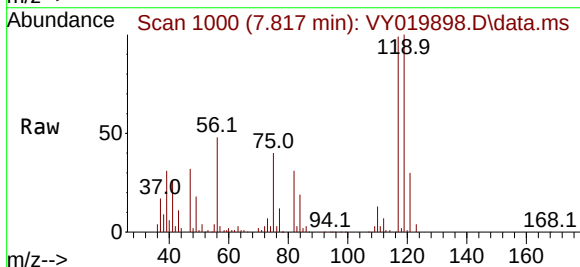
Instrument :  
MSVOA\_Y  
ClientSampleId :

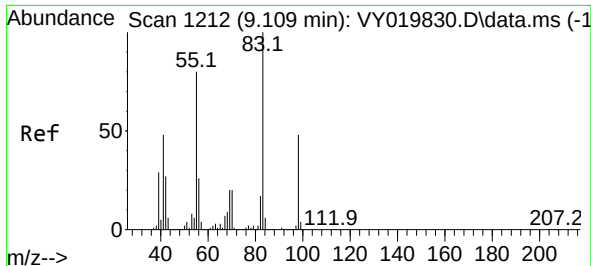
Tgt Ion: 43 Resp: 55710  
Ion Ratio Lower Upper  
43 100  
61 12.6 12.6 19.0#  
70 9.3 7.8 11.8



#38  
Carbon Tetrachloride  
Concen: 21.205 ug/l  
RT: 7.817 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 117 Resp: 112358  
Ion Ratio Lower Upper  
117 100  
119 101.0 75.8 113.6  
121 30.1 24.0 36.0





#39

Methylcyclohexane

Concen: 19.365 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

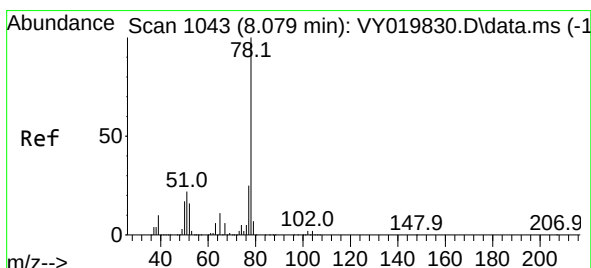
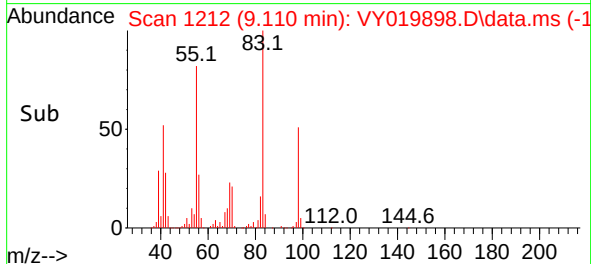
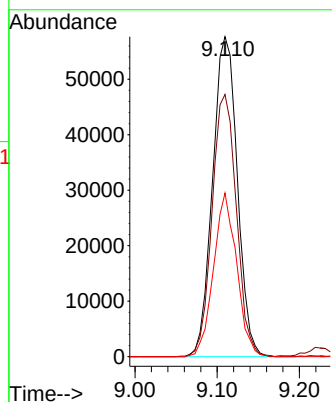
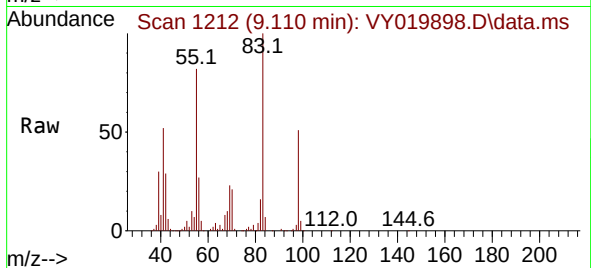
Tgt Ion: 83 Resp: 120598

Ion Ratio Lower Upper

83 100

55 81.8 51.5 77.3#

98 51.2 40.5 60.7



#40

Benzene

Concen: 20.956 ug/l

RT: 8.085 min Scan# 1044

Delta R.T. 0.007 min

Lab File: VY019898.D

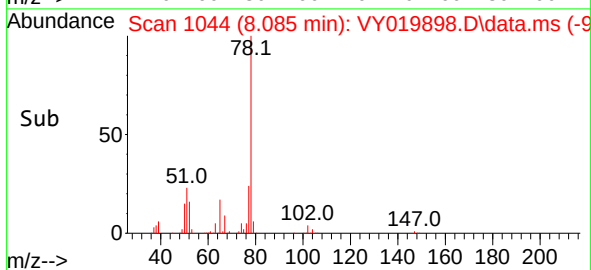
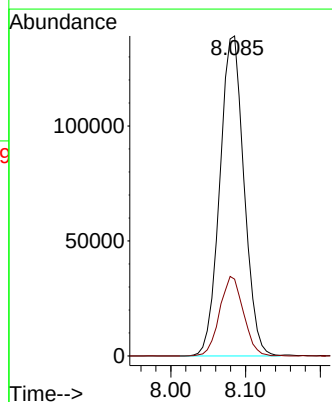
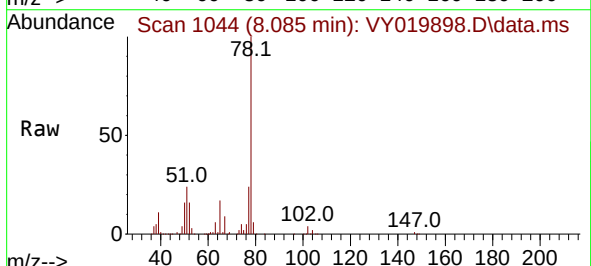
Acq: 15 Oct 2024 12:10

Tgt Ion: 78 Resp: 313462

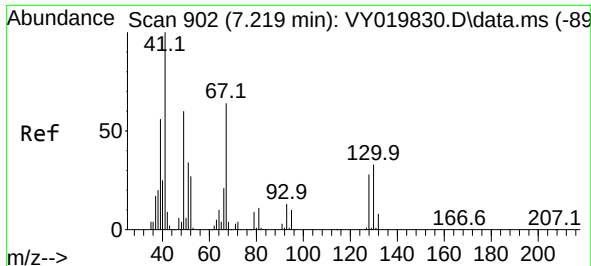
Ion Ratio Lower Upper

78 100

77 24.0 19.5 29.3



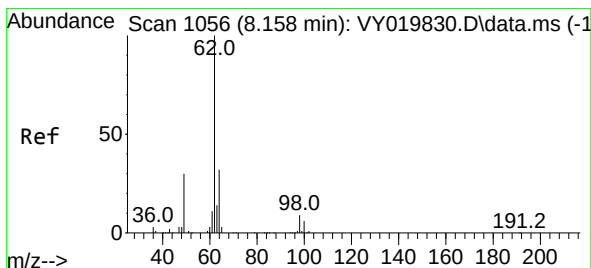
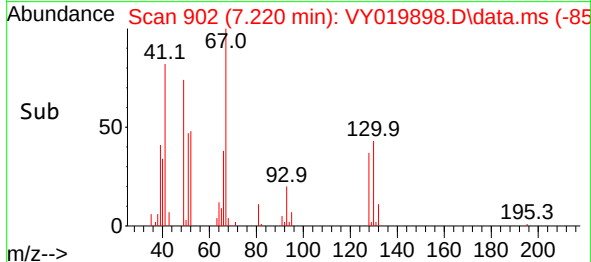
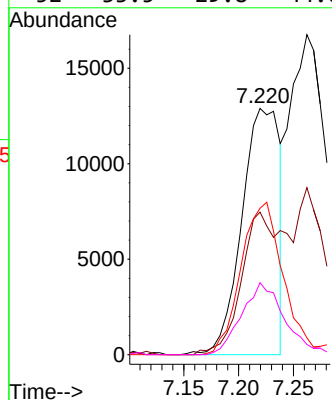
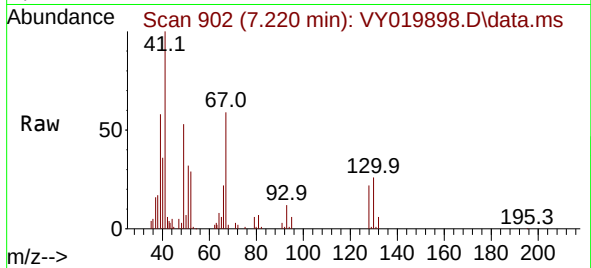




#41  
Methacrylonitrile  
Concen: 22.225 ug/l  
RT: 7.220 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

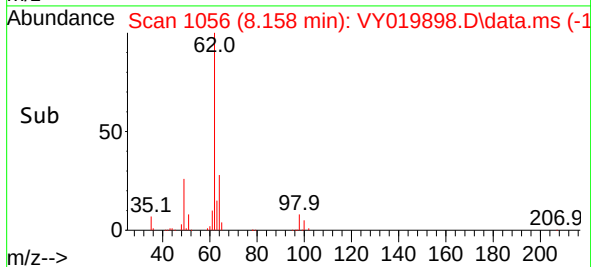
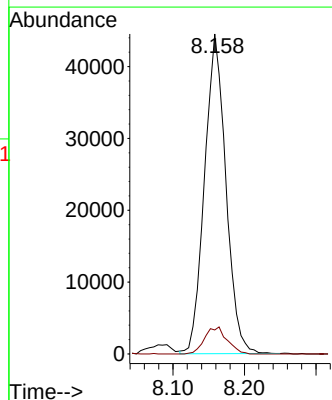
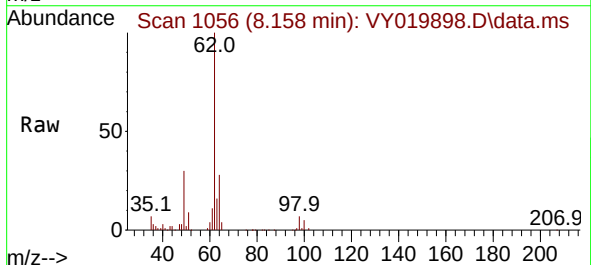
Instrument :  
MSVOA\_Y  
ClientSampleId :

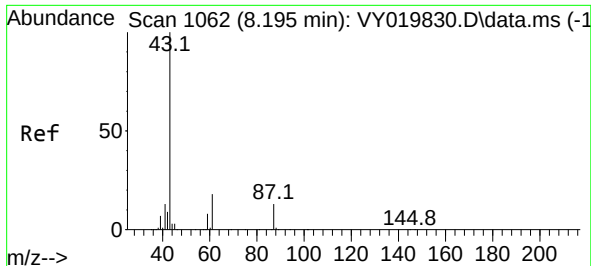
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 31001 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 63.4     | 48.0 72.0   |
| 67 69.5     | 75.1 112.7# |
| 52 33.5     | 29.8 44.6   |



#42  
1,2-Dichloroethane  
Concen: 21.479 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 92301 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 8.9      | 0.0 22.0    |

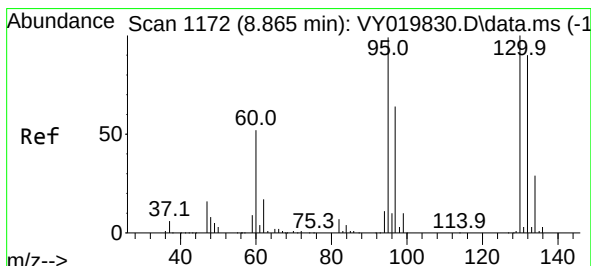
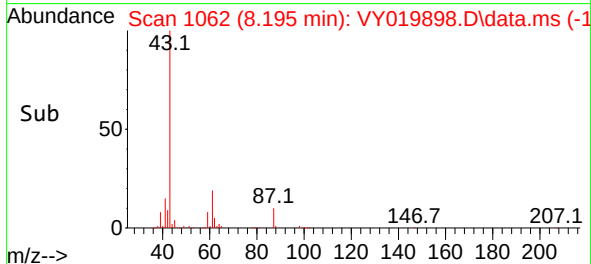
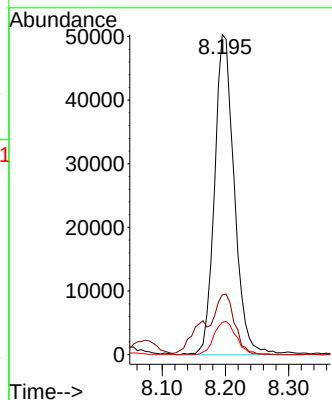
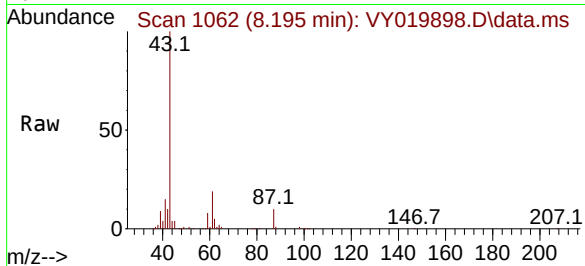




#43  
Isopropyl Acetate  
Concen: 20.686 ug/l  
RT: 8.195 min Scan# 1062  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

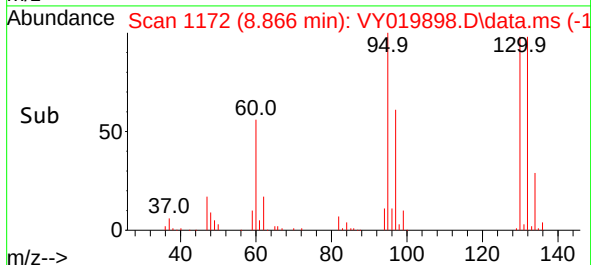
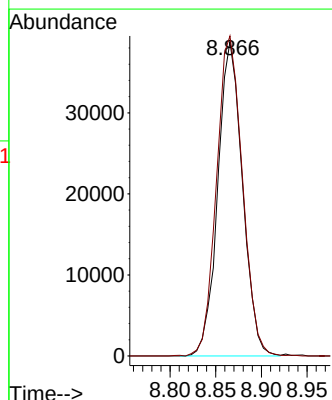
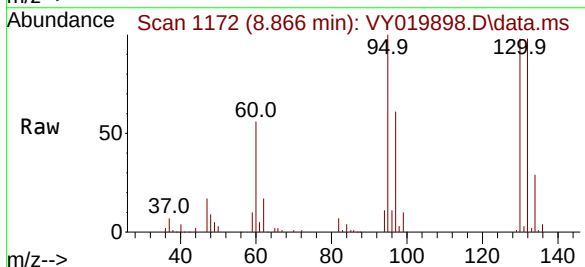
Instrument :  
MSVOA\_Y  
ClientSampleId :

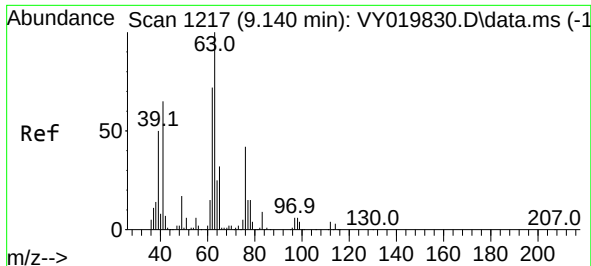
Tgt Ion: 43 Resp: 108724  
Ion Ratio Lower Upper  
43 100  
61 19.9 27.9 41.9#  
87 11.6 13.1 19.7#



#44  
Trichloroethene  
Concen: 20.118 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion:130 Resp: 72885  
Ion Ratio Lower Upper  
130 100  
95 101.7 0.0 188.0





#45

1,2-Dichloropropane

Concen: 22.401 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

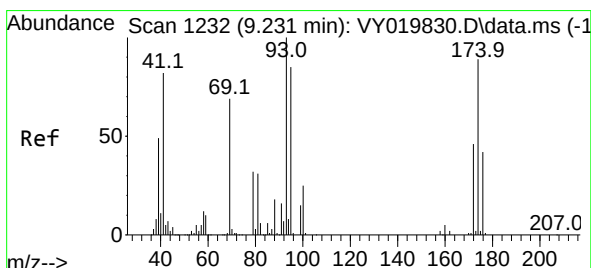
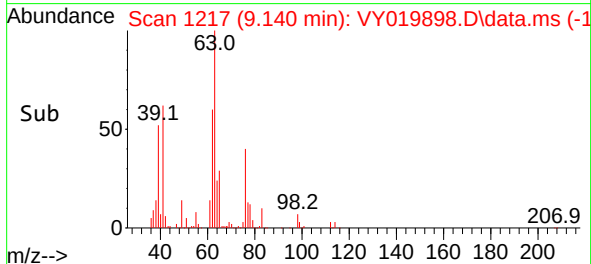
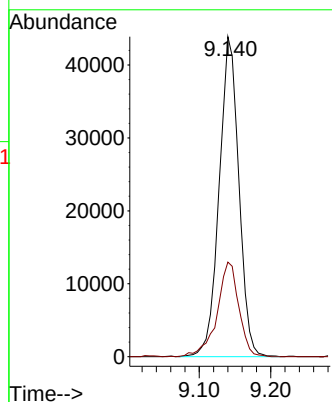
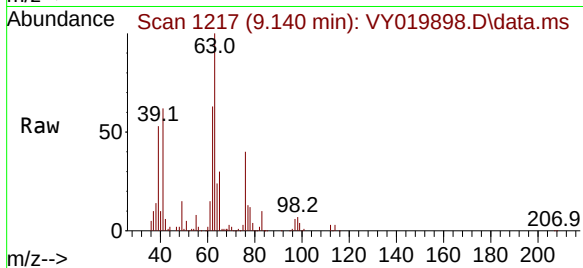
ClientSampleId :

Tgt Ion: 63 Resp: 83867

Ion Ratio Lower Upper

63 100

65 29.5 25.4 38.2



#46

Dibromomethane

Concen: 20.649 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

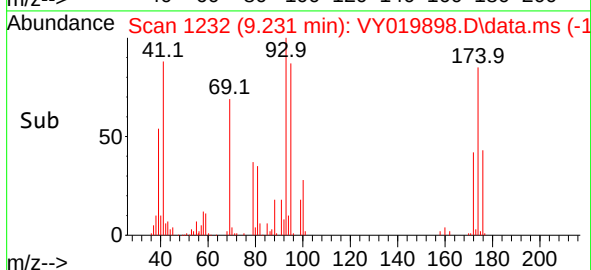
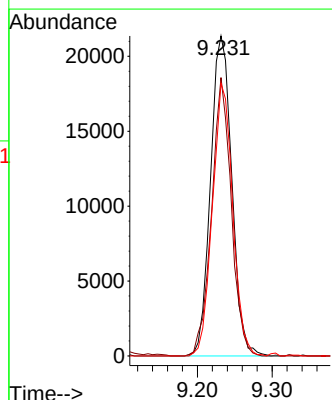
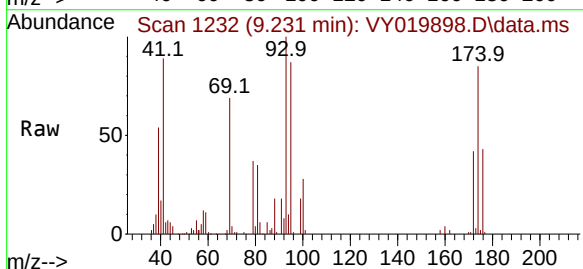
Tgt Ion: 93 Resp: 42238

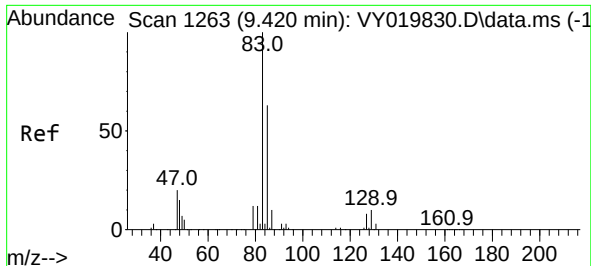
Ion Ratio Lower Upper

93 100

95 80.7 66.2 99.4

174 81.4 80.9 121.3

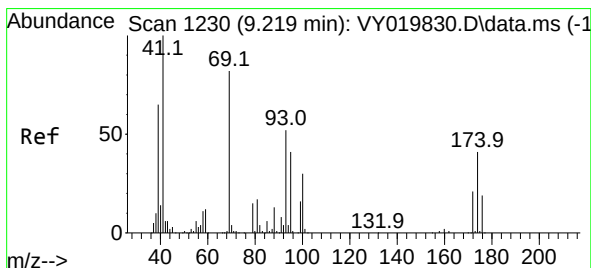
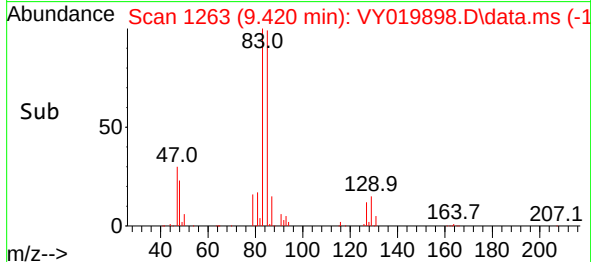
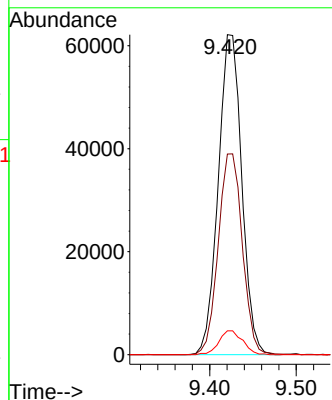
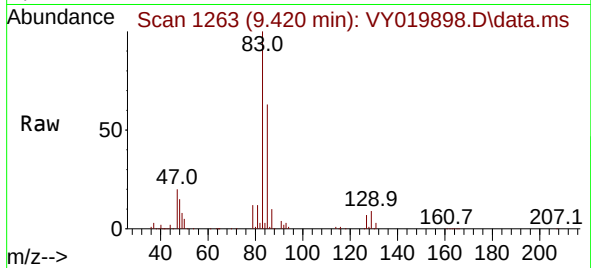




#47  
Bromodichloromethane  
Concen: 21.607 ug/l  
RT: 9.420 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

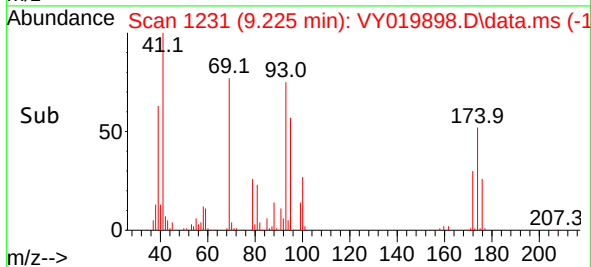
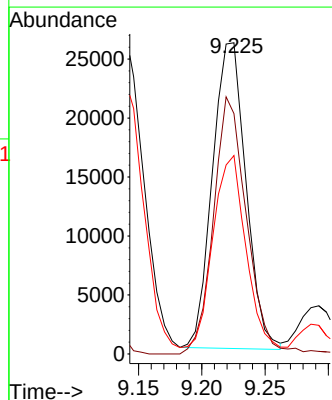
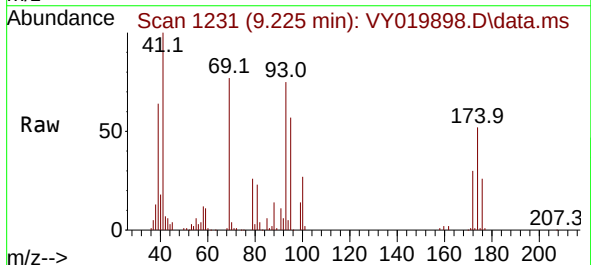
Instrument :  
MSVOA\_Y  
ClientSampleId :

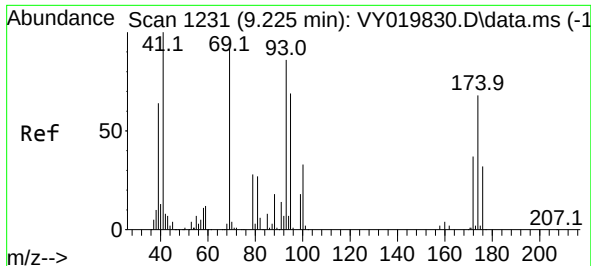
Tgt Ion: 83 Resp: 117316  
Ion Ratio Lower Upper  
83 100  
85 62.7 50.1 75.1  
127 7.5 7.4 11.0



#48  
Methyl methacrylate  
Concen: 20.654 ug/l  
RT: 9.225 min Scan# 1231  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 41 Resp: 47753  
Ion Ratio Lower Upper  
41 100  
69 83.5 84.1 126.1#  
39 66.3 43.6 65.4#





#49

1,4-Dioxane

Concen: 414.865 ug/l

RT: 9.231 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

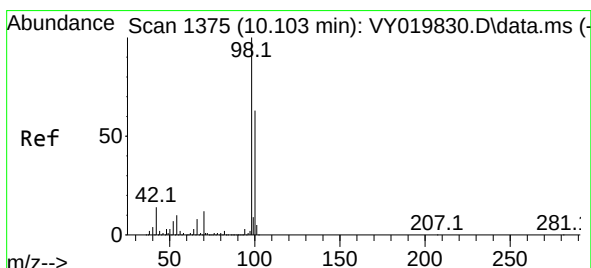
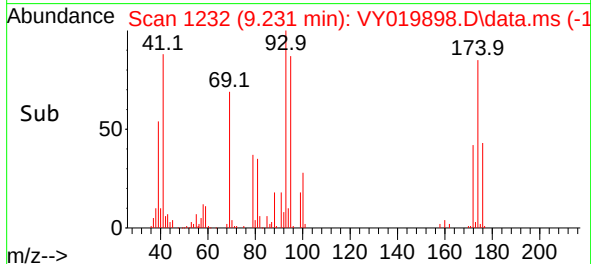
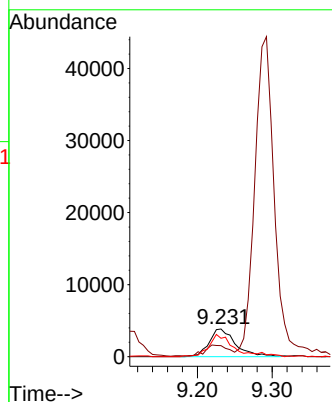
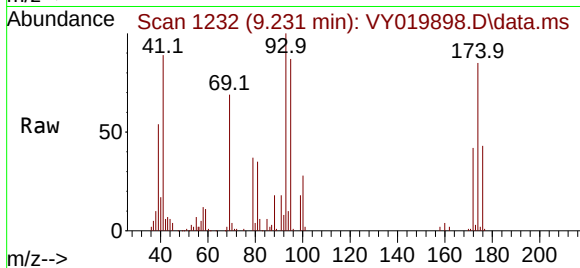
Tgt Ion: 88 Resp: 9498

Ion Ratio Lower Upper

88 100

43 34.7 0.0 0.0#

58 77.1 49.3 73.9#



#50

Toluene-d8

Concen: 48.209 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019898.D

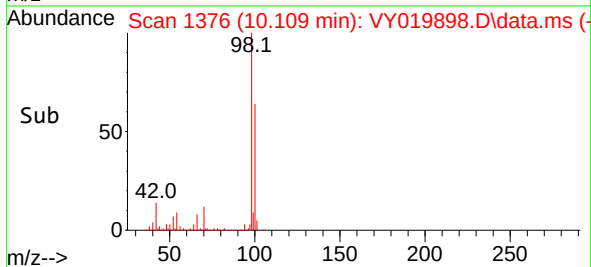
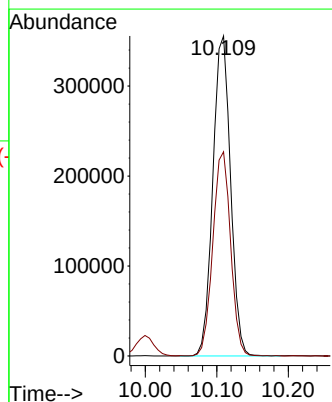
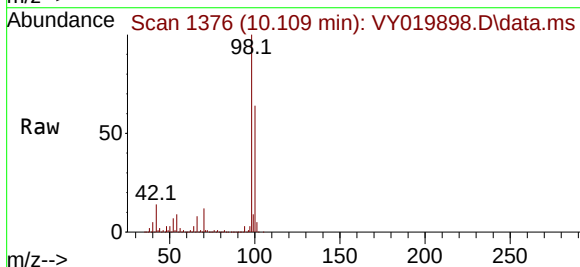
Acq: 15 Oct 2024 12:10

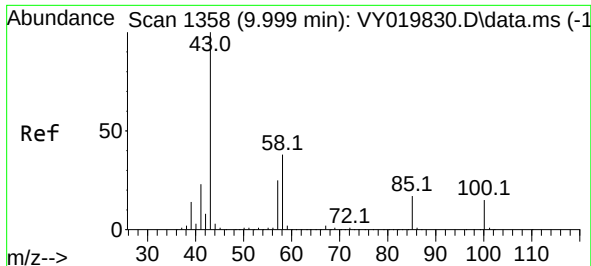
Tgt Ion: 98 Resp: 610762

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

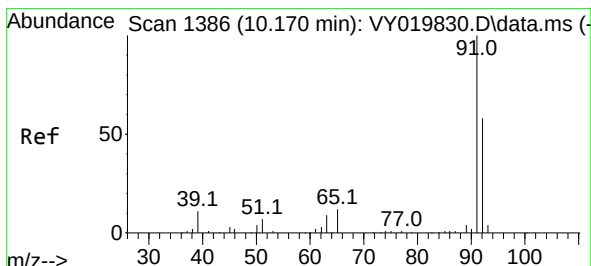
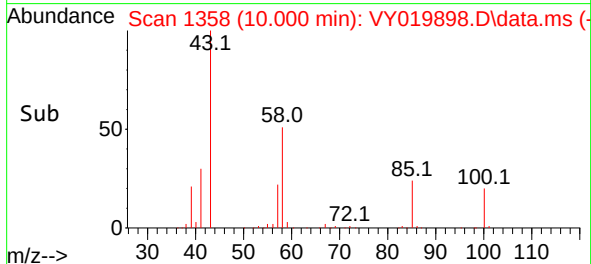
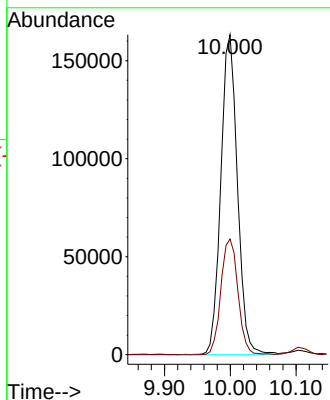
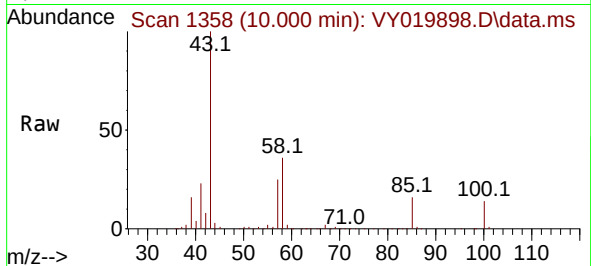




#51  
4-Methyl-2-Pentanone  
Concen: 107.310 ug/l  
RT: 10.000 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

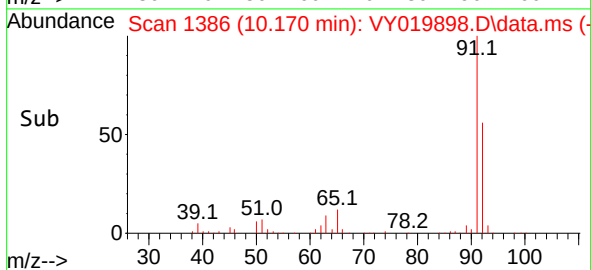
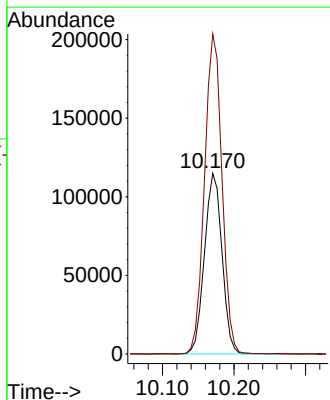
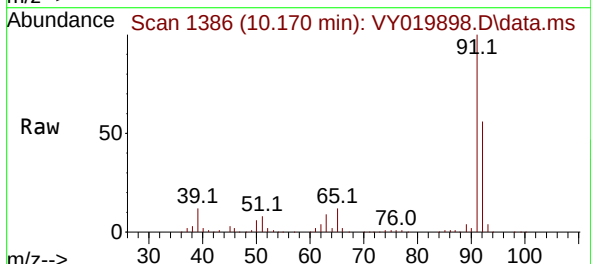
Instrument :  
MSVOA\_Y  
ClientSampleId :

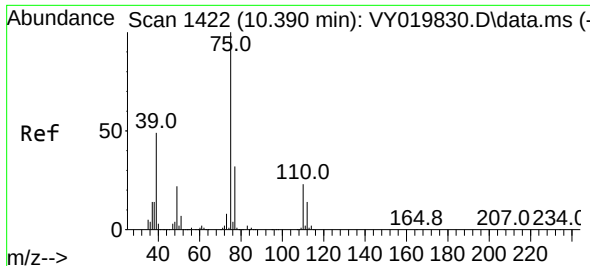
Tgt Ion: 43 Resp: 287687  
Ion Ratio Lower Upper  
43 100  
58 37.0 35.7 53.5



#52  
Toluene  
Concen: 20.963 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 92 Resp: 195732  
Ion Ratio Lower Upper  
92 100  
91 176.0 139.0 208.6

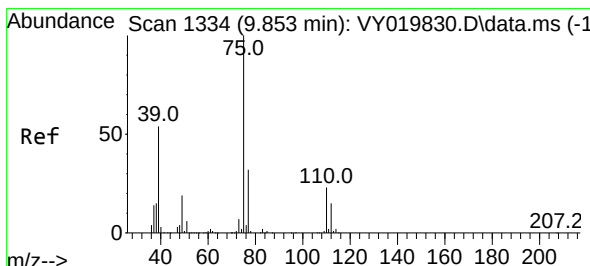
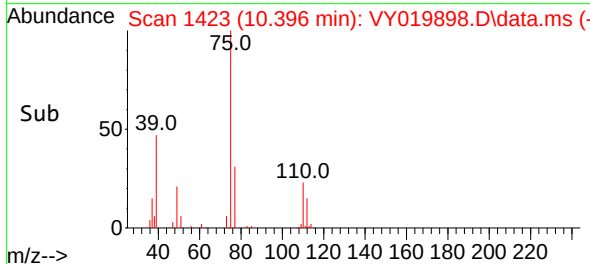
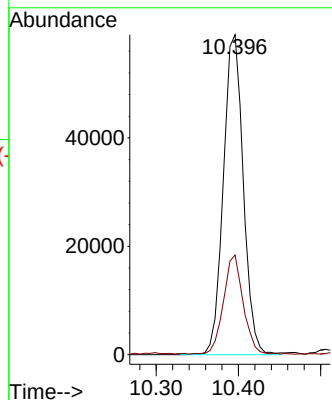
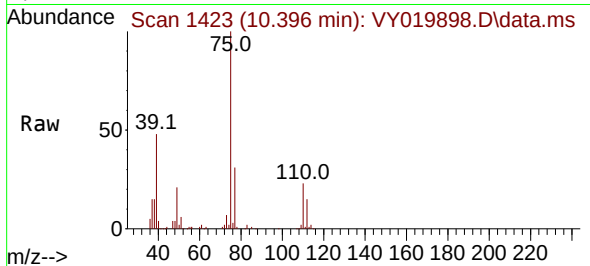




#53  
t-1,3-Dichloropropene  
Concen: 20.325 ug/l  
RT: 10.396 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

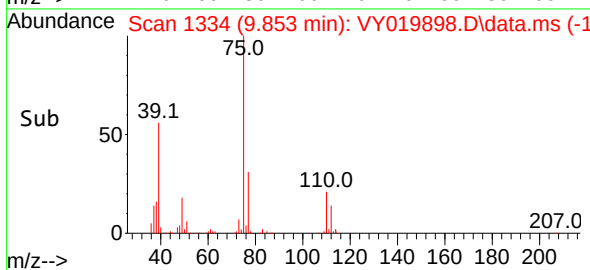
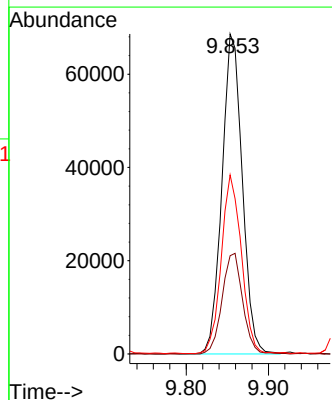
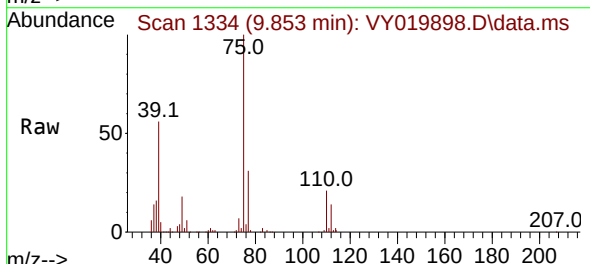
Instrument :  
MSVOA\_Y  
ClientSampleId :

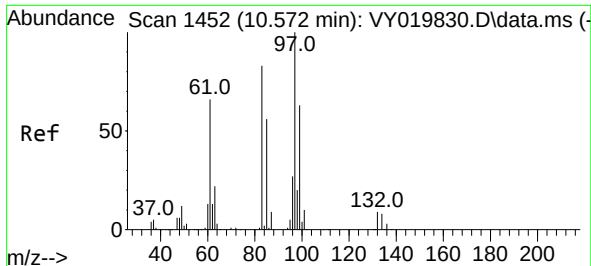
Tgt Ion: 75 Resp: 99294  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.1 36.1



#54  
cis-1,3-Dichloropropene  
Concen: 20.495 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 75 Resp: 118138  
Ion Ratio Lower Upper  
75 100  
77 30.7 25.4 38.0  
39 55.7 29.8 44.6#

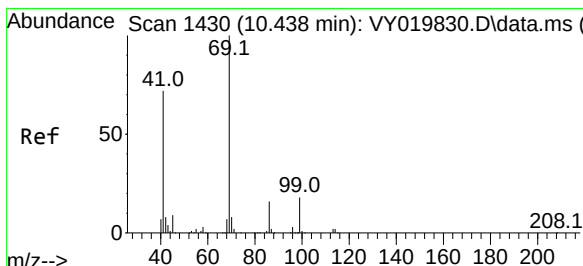
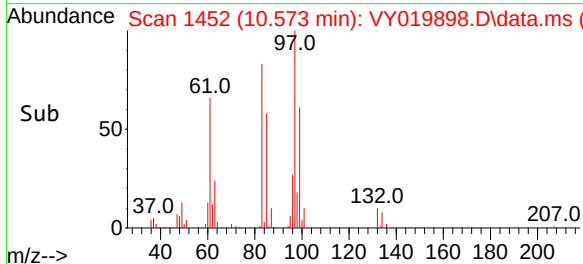
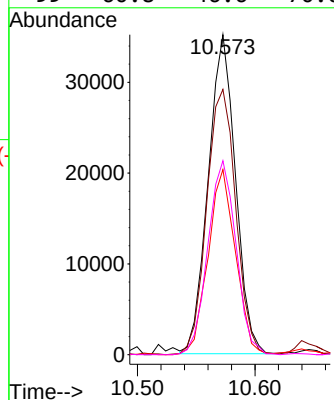
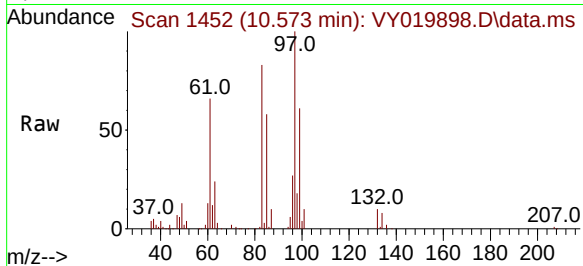




#55  
1,1,2-Trichloroethane  
Concen: 21.014 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

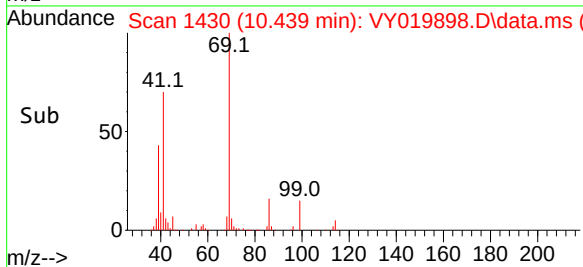
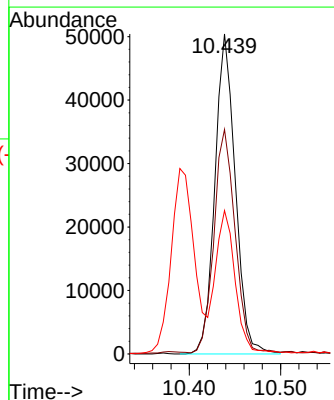
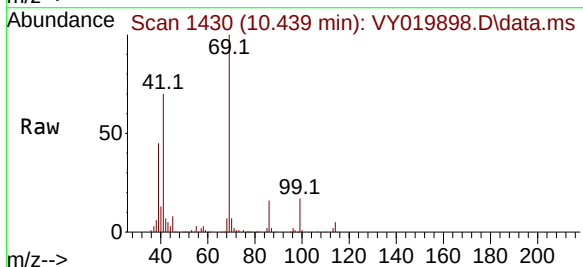
Instrument :  
MSVOA\_Y  
ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 56633 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 82.8     | 67.5 101.3  |
| 85 57.7     | 42.9 64.3   |
| 99 60.8     | 46.6 70.0   |

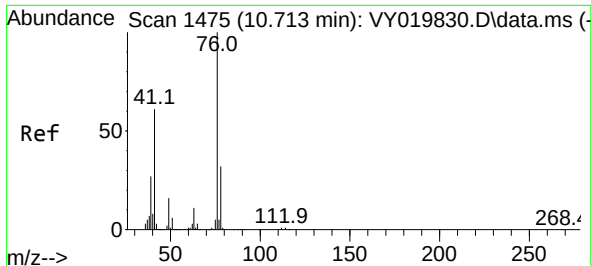


#56  
Ethyl methacrylate  
Concen: 20.258 ug/l  
RT: 10.439 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 78337 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 72.0     | 42.3 63.5#  |
| 39 42.0     | 22.9 34.3#  |







#57

1,3-Dichloropropane

Concen: 20.901 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

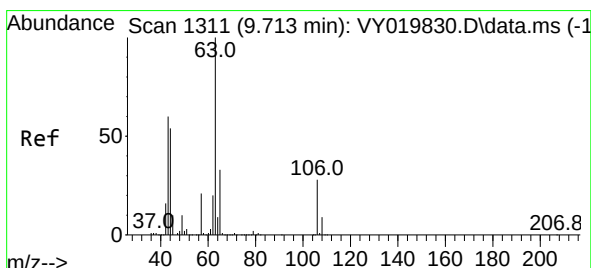
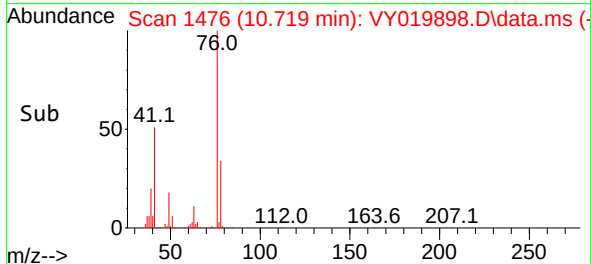
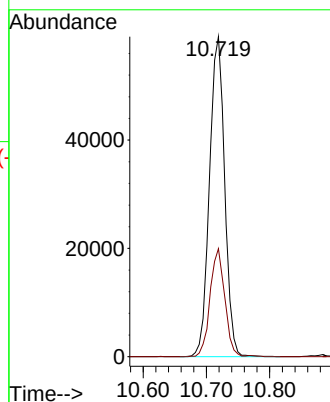
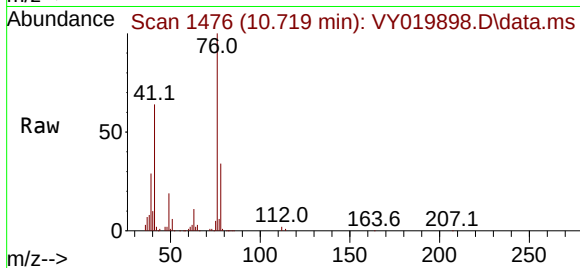
ClientSampleId :

Tgt Ion: 76 Resp: 98922

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 103.246 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019898.D

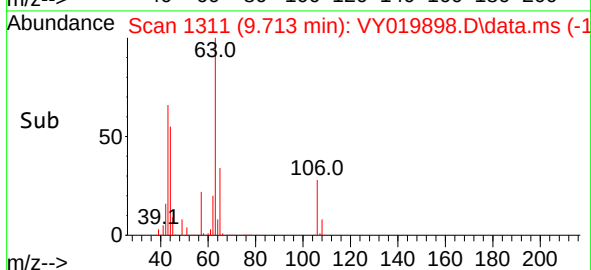
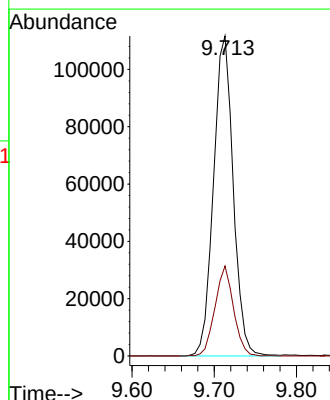
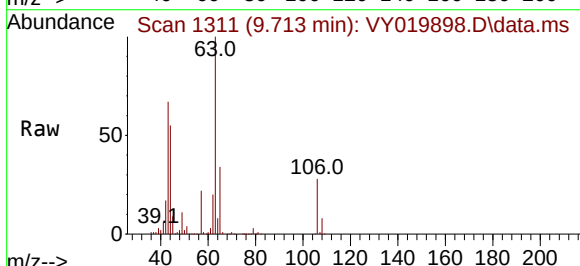
Acq: 15 Oct 2024 12:10

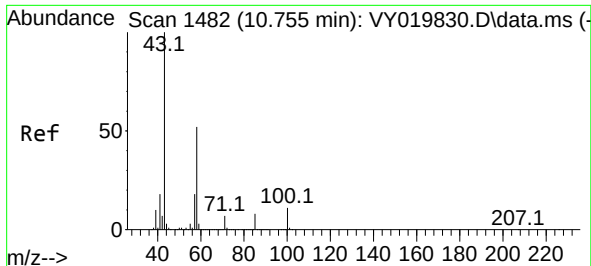
Tgt Ion: 63 Resp: 185867

Ion Ratio Lower Upper

63 100

106 26.5 23.7 35.5

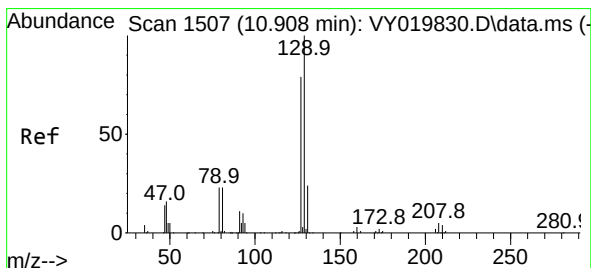
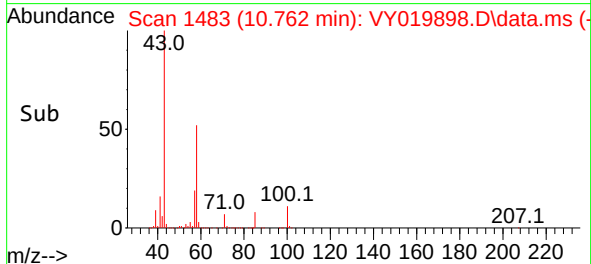
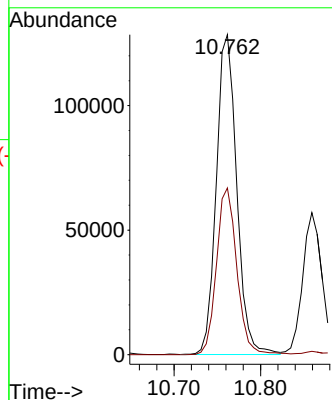
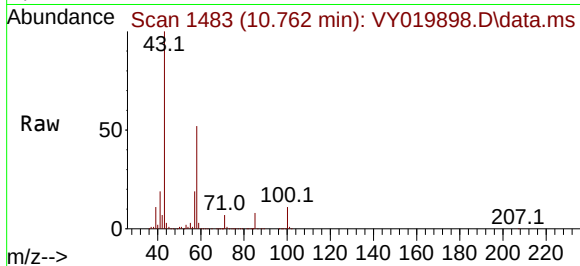




#59  
2-Hexanone  
Concen: 109.745 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

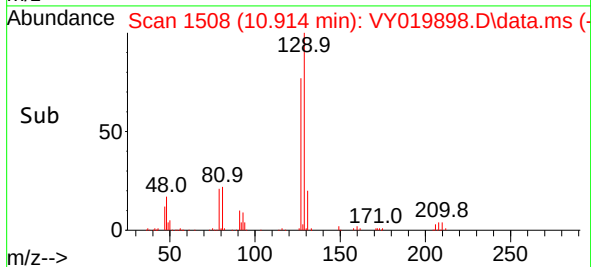
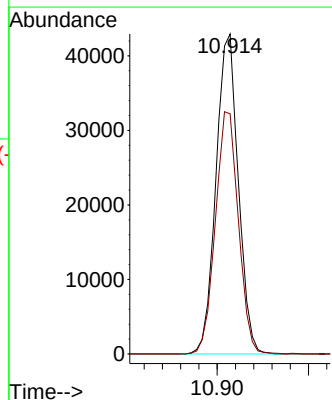
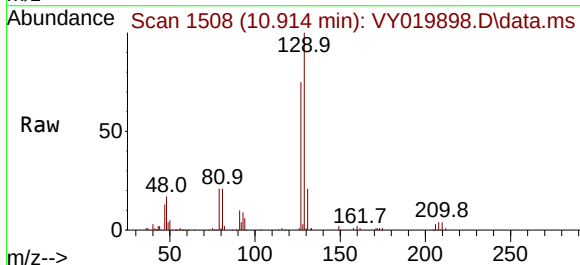
Instrument :  
MSVOA\_Y  
ClientSampleId :

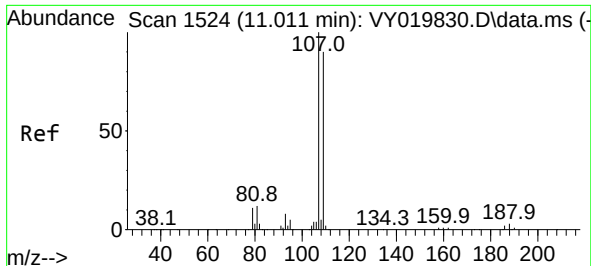
Tgt Ion: 43 Resp: 210139  
Ion Ratio Lower Upper  
43 100  
58 52.2 31.4 94.0



#60  
Dibromochloromethane  
Concen: 21.038 ug/l  
RT: 10.914 min Scan# 1508  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 129 Resp: 72773  
Ion Ratio Lower Upper  
129 100  
127 78.1 39.0 117.0

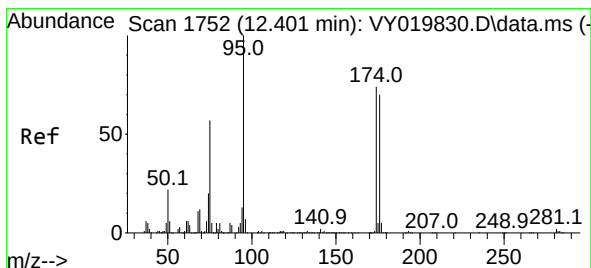
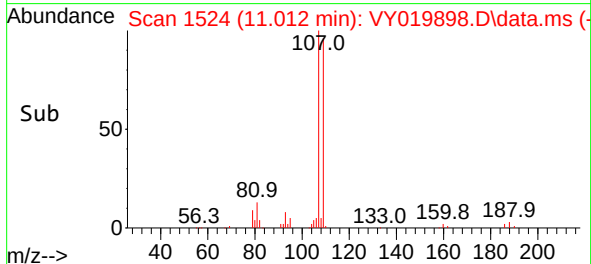
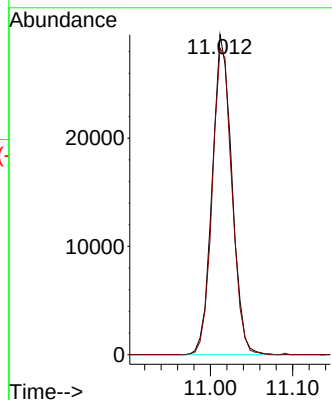
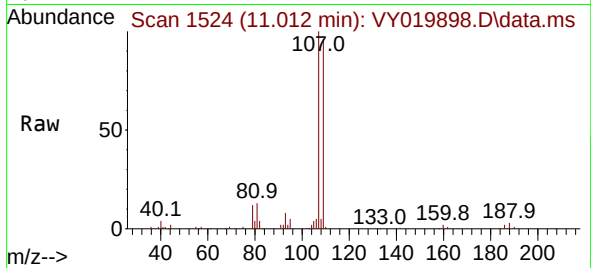




#61  
1,2-Dibromoethane  
Concen: 20.141 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

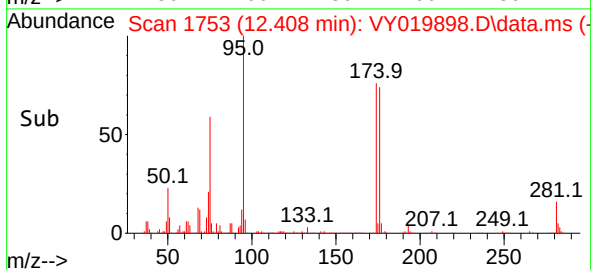
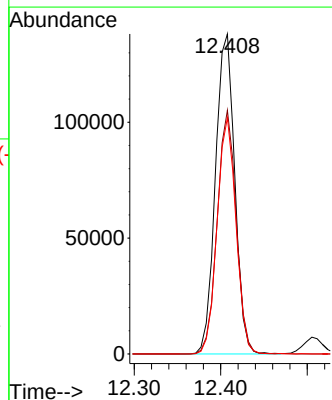
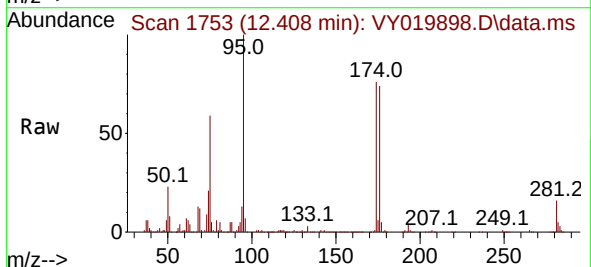
Instrument :  
MSVOA\_Y  
ClientSampleId :

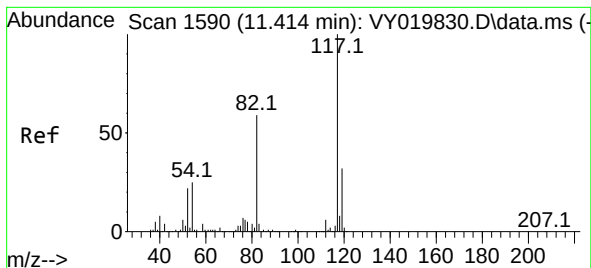
Tgt Ion:107 Resp: 49049  
Ion Ratio Lower Upper  
107 100  
109 96.1 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 46.724 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 95 Resp: 213891  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 175.6  
176 72.0 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

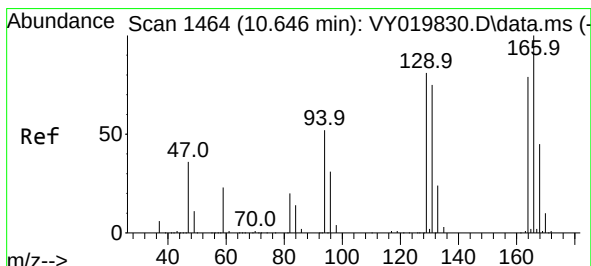
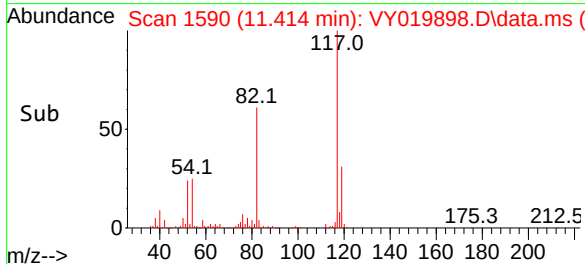
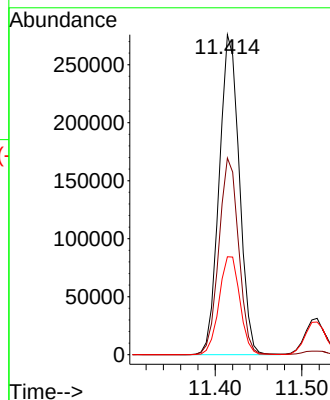
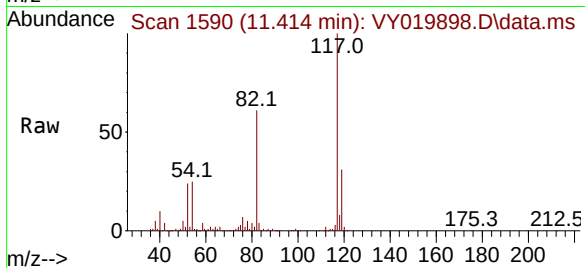
Tgt Ion:117 Resp: 445207

Ion Ratio Lower Upper

117 100

82 61.5 42.4 63.6

119 30.6 25.9 38.9



#64

Tetrachloroethene

Concen: 19.546 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Tgt Ion:164 Resp: 61895

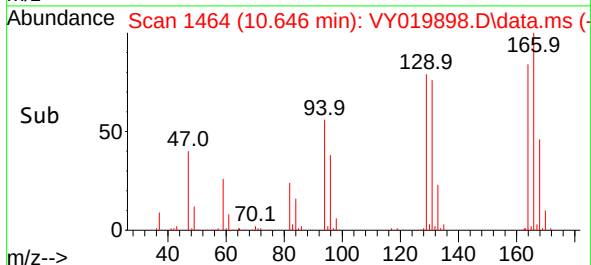
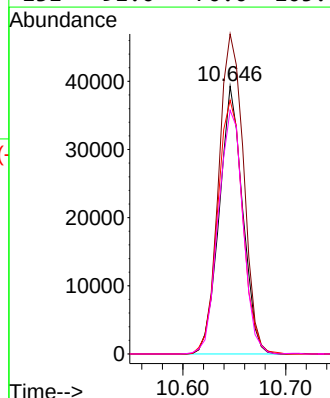
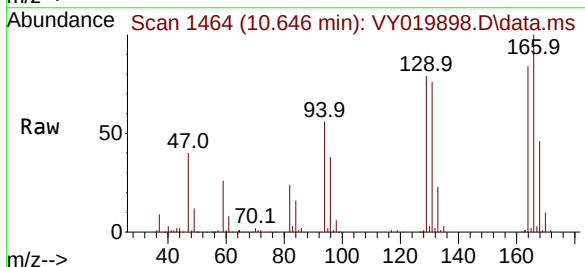
Ion Ratio Lower Upper

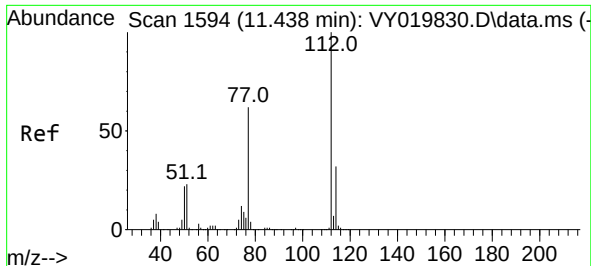
164 100

166 119.5 102.6 154.0

129 94.7 72.0 108.0

131 91.0 70.0 105.0

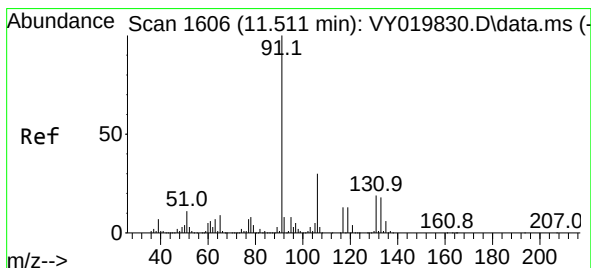
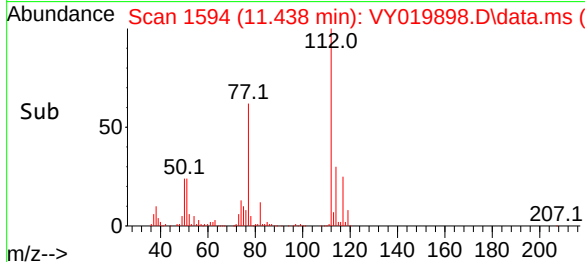
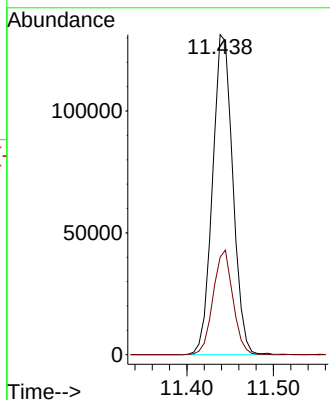
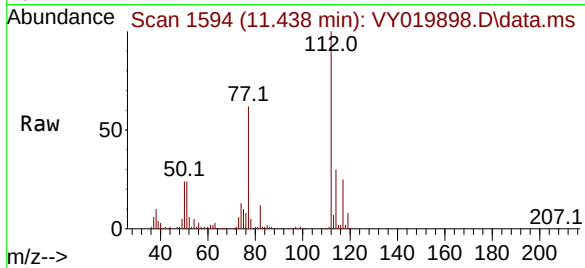




#65  
Chlorobenzene  
Concen: 20.998 ug/l  
RT: 11.438 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

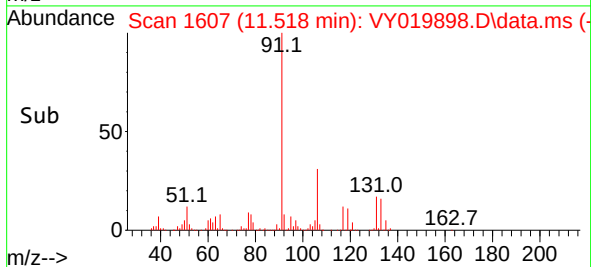
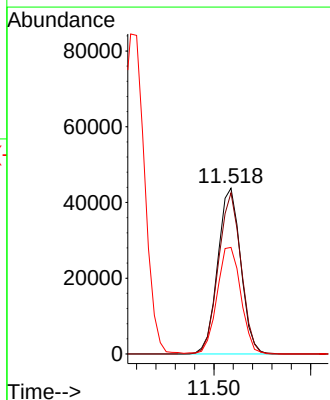
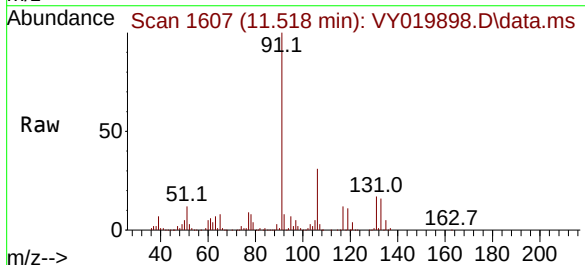
Instrument :  
MSVOA\_Y  
ClientSampleId :

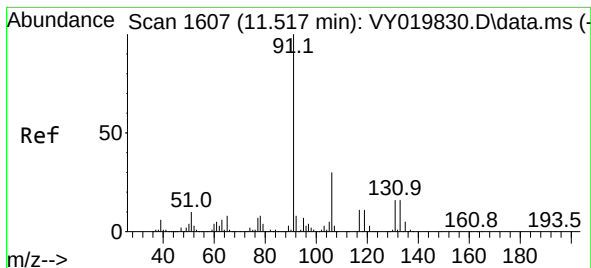
Tgt Ion:112 Resp: 213820  
Ion Ratio Lower Upper  
112 100  
114 30.5 26.4 39.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.908 ug/l  
RT: 11.518 min Scan# 1607  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion:131 Resp: 72032  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.8 143.3  
119 66.8 34.1 102.2





#67

Ethyl Benzene

Concen: 21.400 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

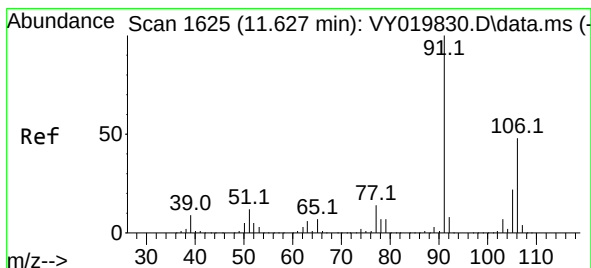
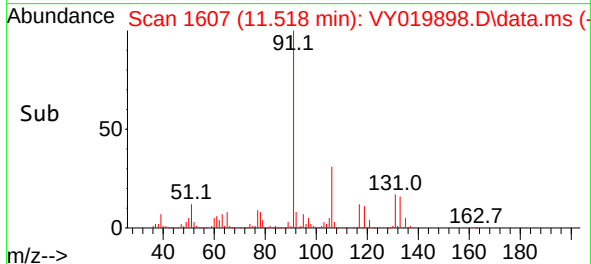
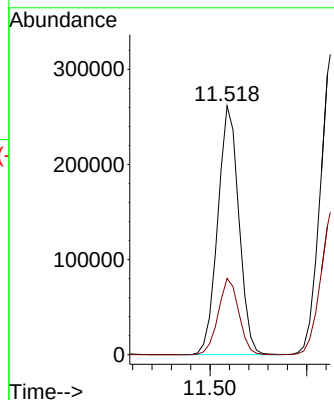
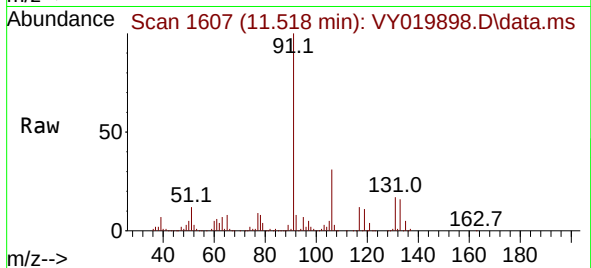
ClientSampleId :

Tgt Ion: 91 Resp: 395855

Ion Ratio Lower Upper

91 100

106 30.7 24.5 36.7



#68

m/p-Xylenes

Concen: 42.465 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019898.D

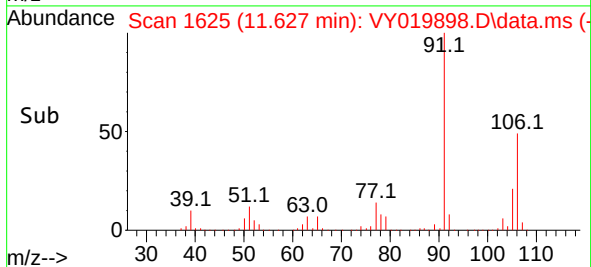
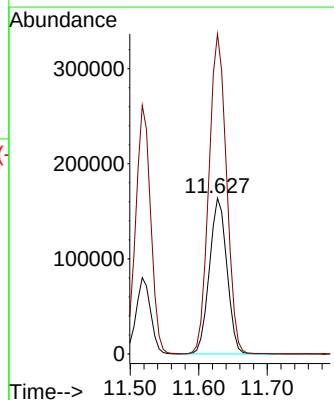
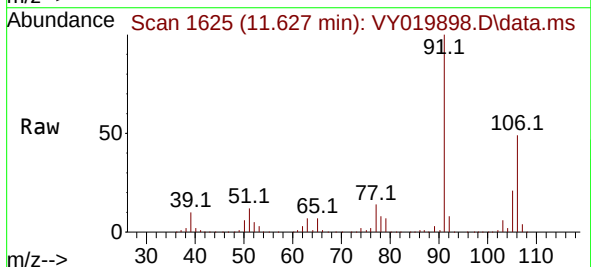
Acq: 15 Oct 2024 12:10

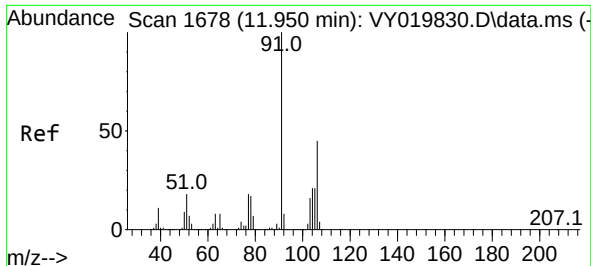
Tgt Ion:106 Resp: 290106

Ion Ratio Lower Upper

106 100

91 206.9 156.0 234.0





#69

o-Xylene

Concen: 21.132 ug/l

RT: 11.957 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

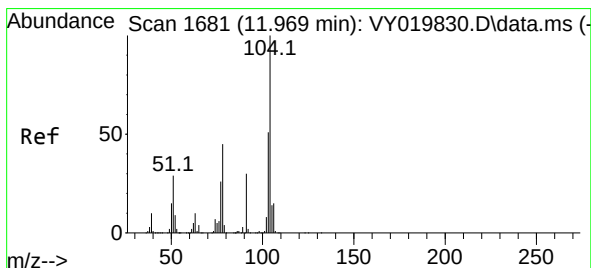
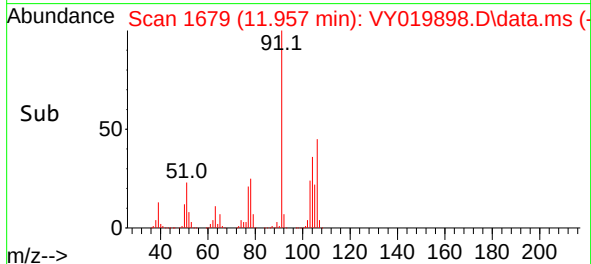
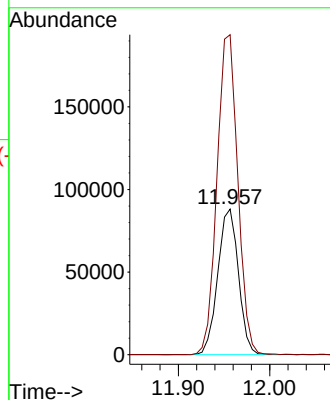
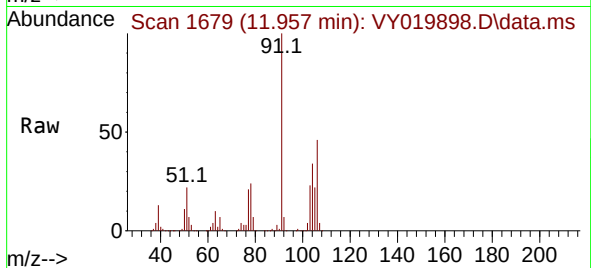
ClientSampleId :

Tgt Ion:106 Resp: 138706

Ion Ratio Lower Upper

106 100

91 221.1 103.6 310.8



#70

Styrene

Concen: 20.981 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

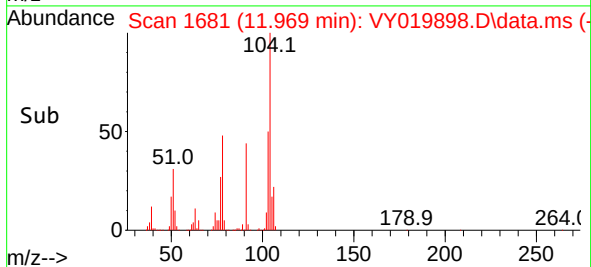
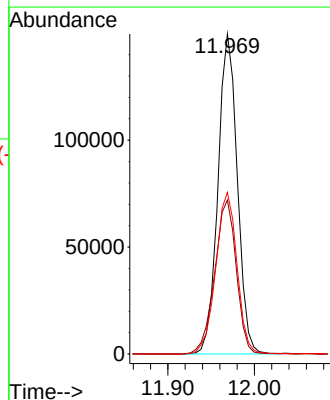
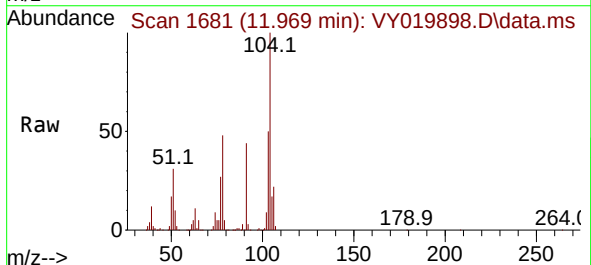
Tgt Ion:104 Resp: 232346

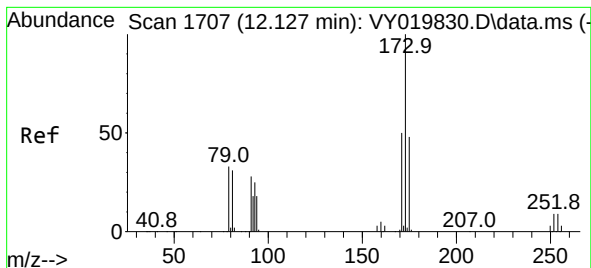
Ion Ratio Lower Upper

104 100

78 53.6 37.0 55.4

103 55.4 44.2 66.2





#71

Bromoform

Concen: 20.403 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019898.D

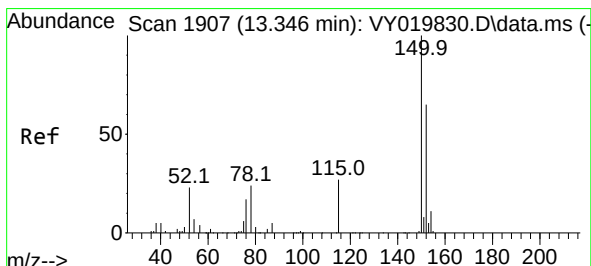
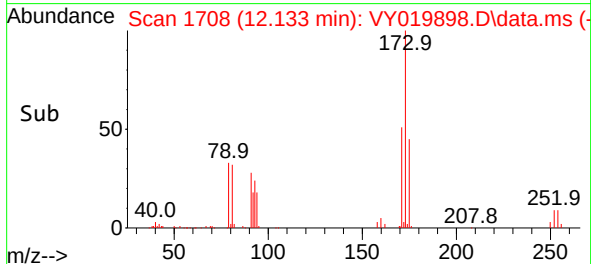
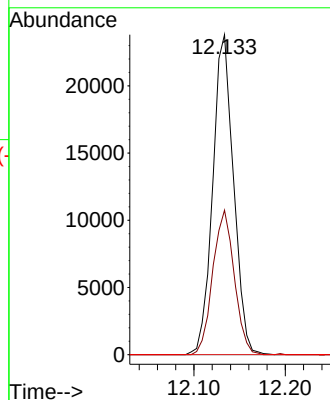
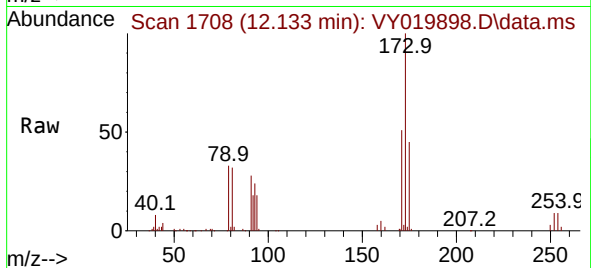
Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 37630     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 46.7  | 25.1 75.3 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

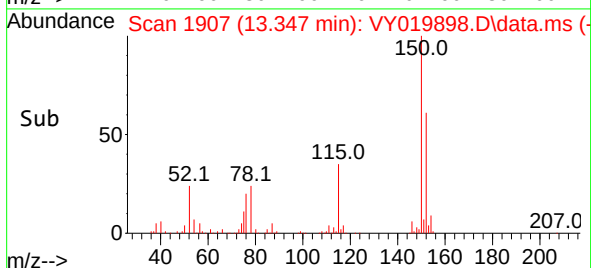
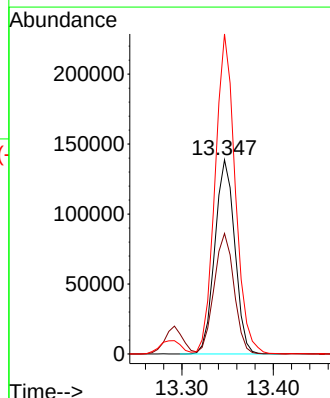
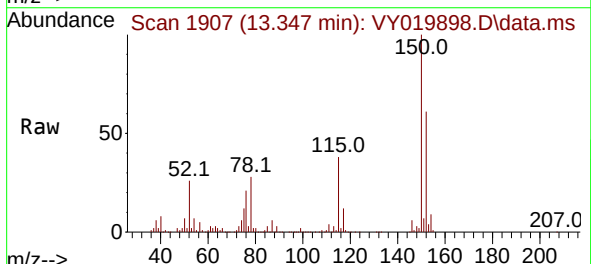
RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

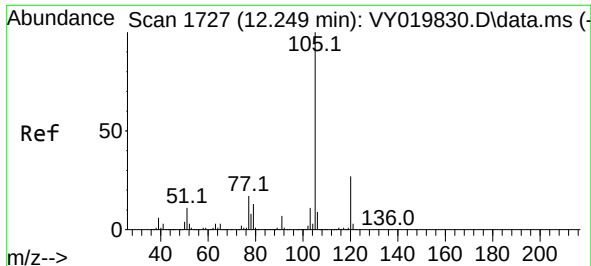
Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 210335    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 62.3  | 28.2 84.7 |
| 150         | 166.7 | 0.0 345.6 |

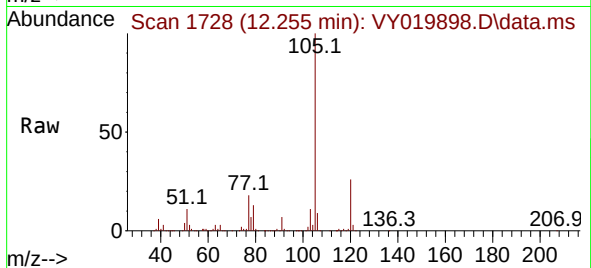




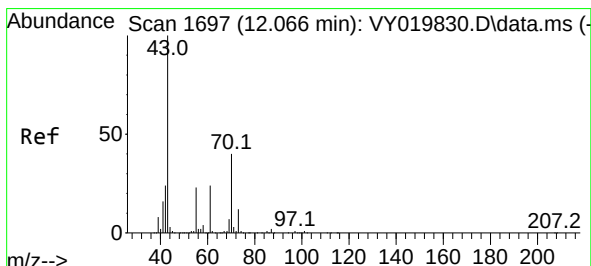
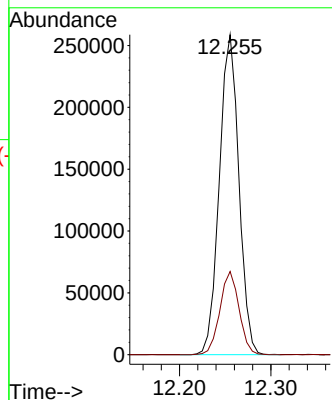
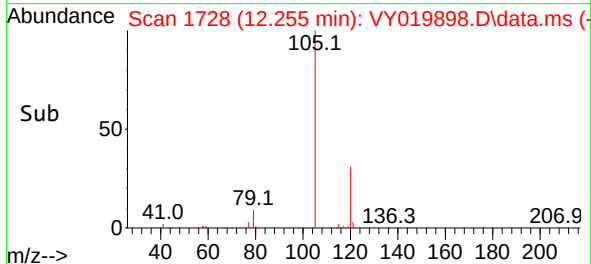


#73  
Isopropylbenzene  
Concen: 21.752 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

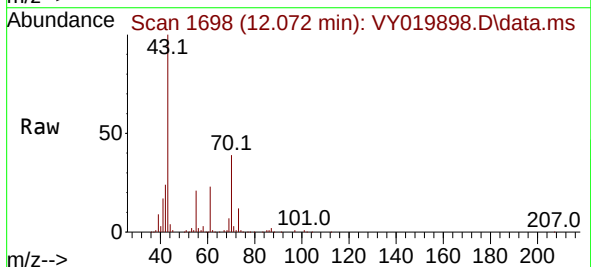
Instrument :  
MSVOA\_Y  
ClientSampleId :



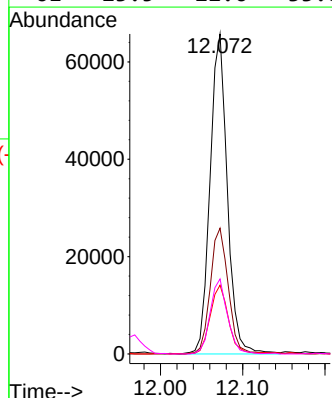
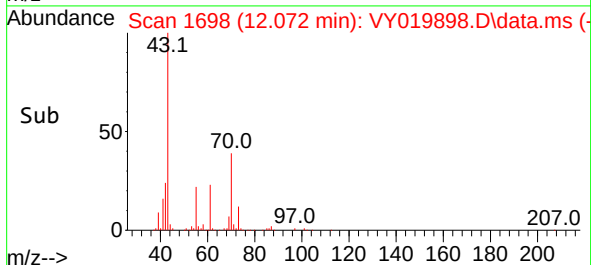
Tgt Ion:105 Resp: 384833  
Ion Ratio Lower Upper  
105 100  
120 25.5 13.4 40.1

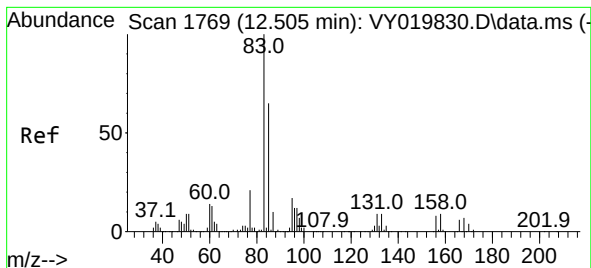


#74  
N-ethyl acetate  
Concen: 20.468 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10



Tgt Ion: 43 Resp: 95909  
Ion Ratio Lower Upper  
43 100  
70 40.9 41.4 62.2#  
55 22.5 23.3 34.9#  
61 23.5 22.6 33.8

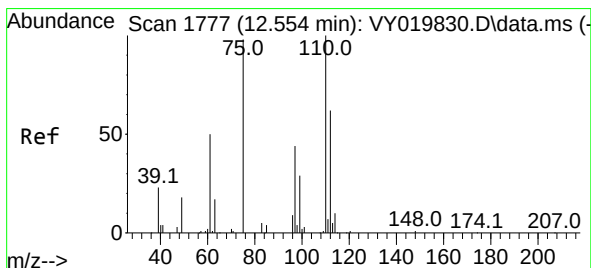
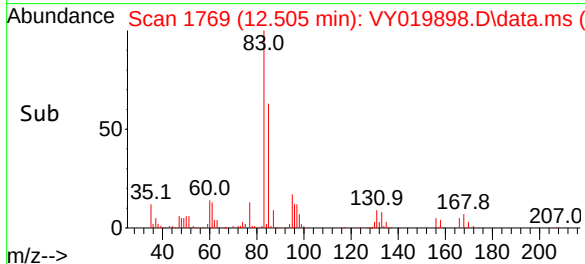
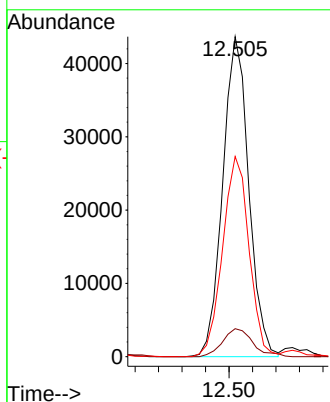
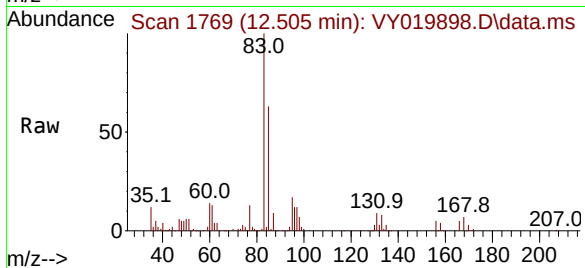




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.354 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

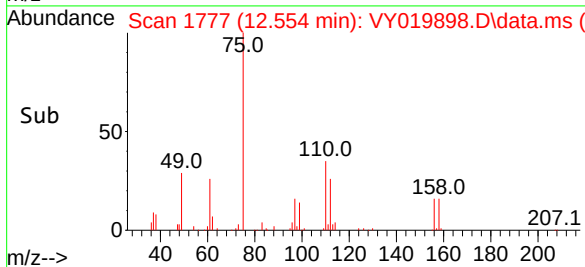
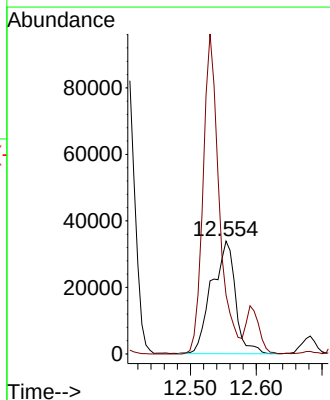
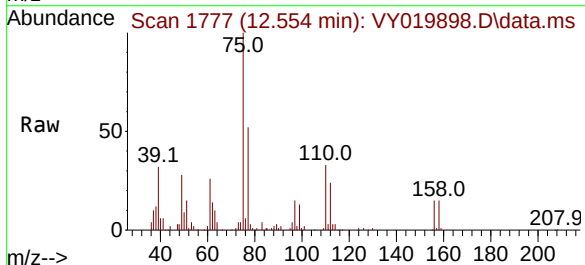
Instrument :  
MSVOA\_Y  
ClientSampleId :

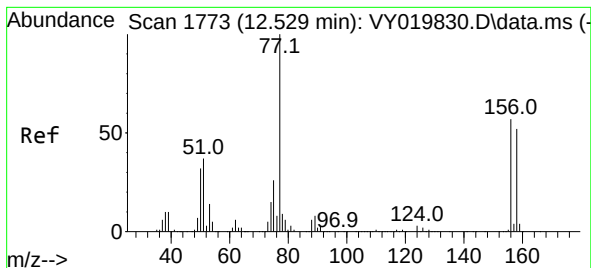
Tgt Ion: 83 Resp: 67128  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.0 14.9  
85 63.5 32.0 96.0



#76  
1,2,3-Trichloropropane  
Concen: 20.597 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 75 Resp: 84870  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.444 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

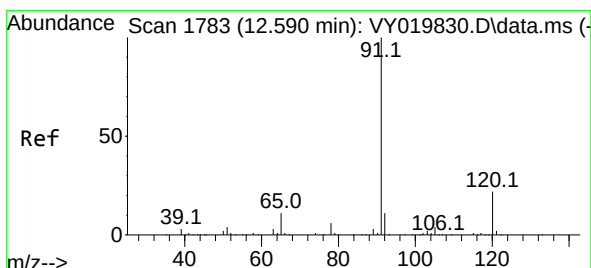
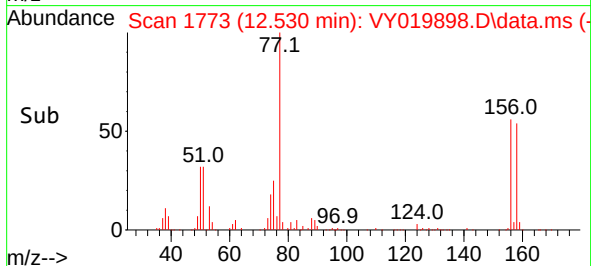
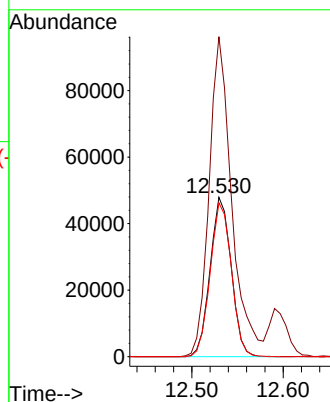
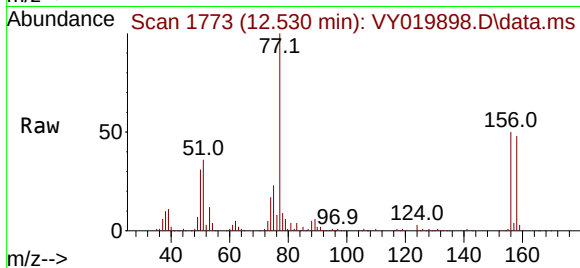
Tgt Ion:156 Resp: 76752

Ion Ratio Lower Upper

156 100

77 215.5 87.1 261.3

158 97.0 48.6 145.9



#78

n-propylbenzene

Concen: 22.031 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY019898.D

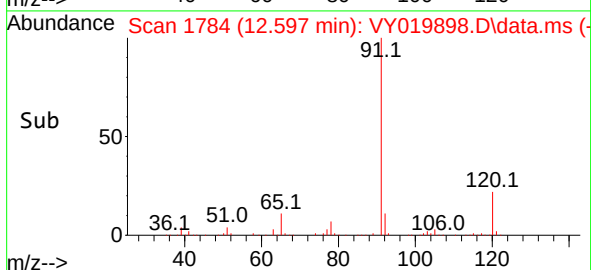
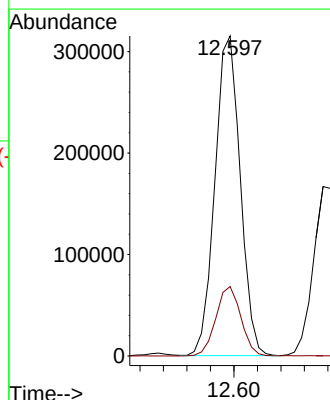
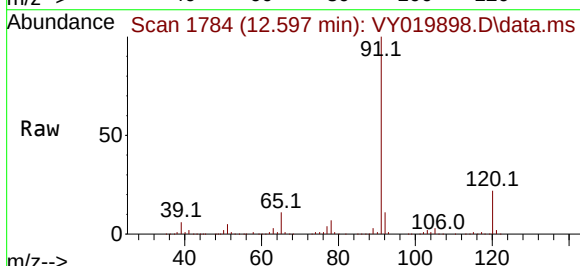
Acq: 15 Oct 2024 12:10

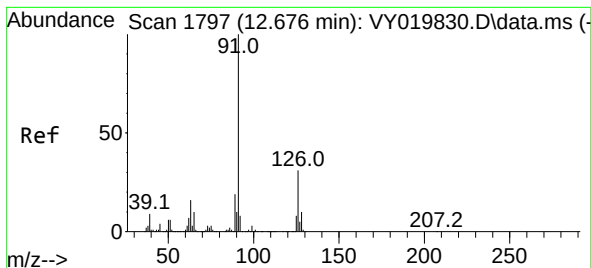
Tgt Ion: 91 Resp: 470959

Ion Ratio Lower Upper

91 100

120 21.5 11.5 34.4

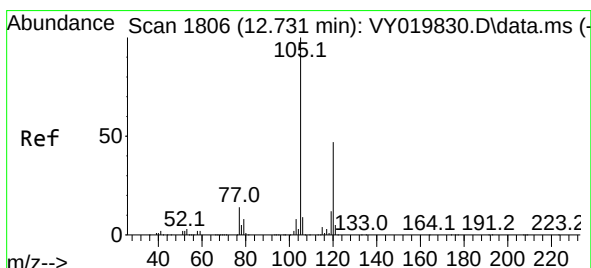
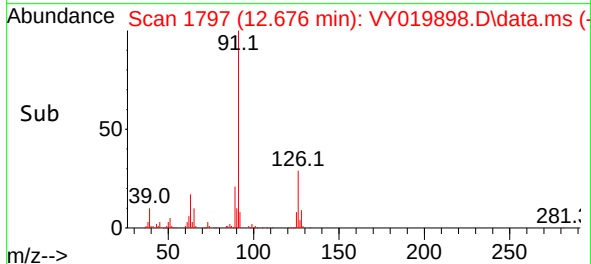
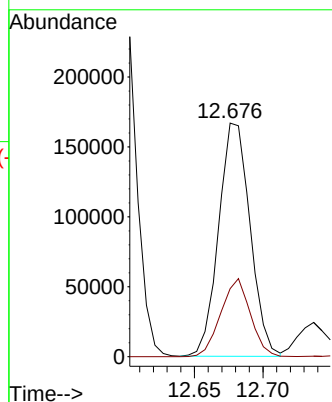
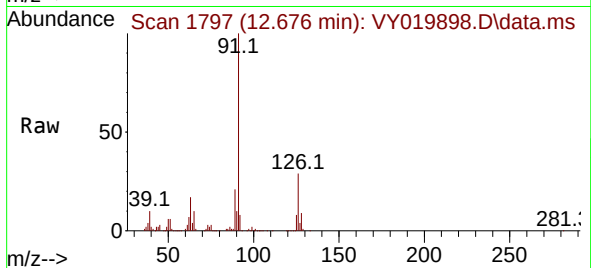




#79  
2-Chlorotoluene  
Concen: 21.770 ug/l  
RT: 12.676 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

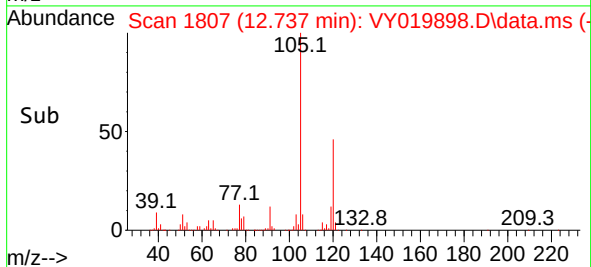
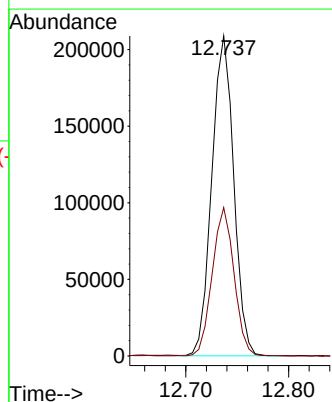
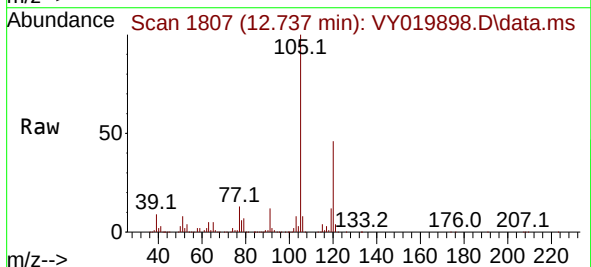
Instrument :  
MSVOA\_Y  
ClientSampleId :

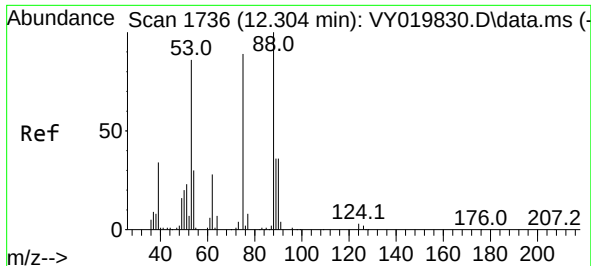
Tgt Ion: 91 Resp: 266807  
Ion Ratio Lower Upper  
91 100  
126 31.5 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 21.580 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion:105 Resp: 308332  
Ion Ratio Lower Upper  
105 100  
120 46.3 25.1 75.2

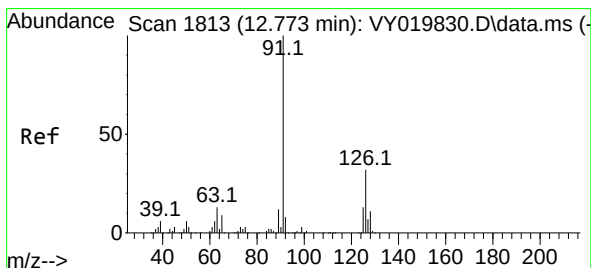
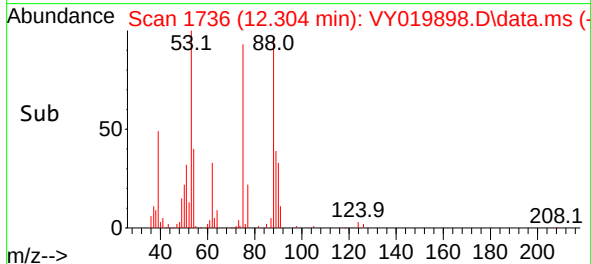
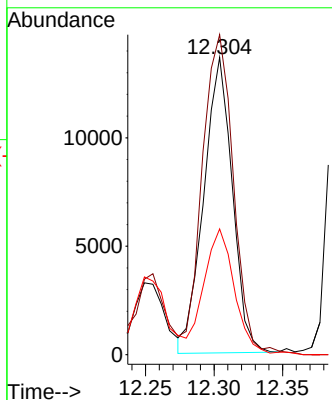
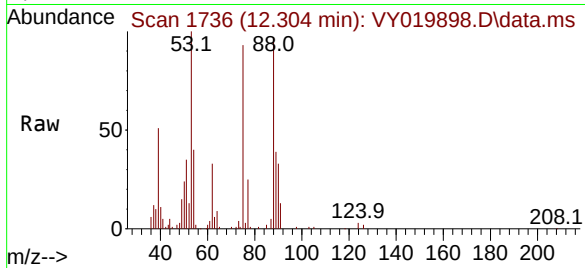




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.350 ug/l  
RT: 12.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

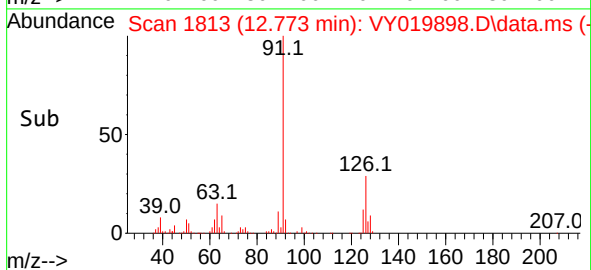
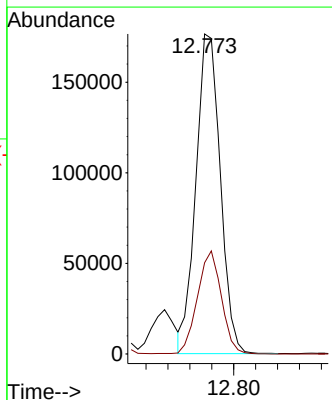
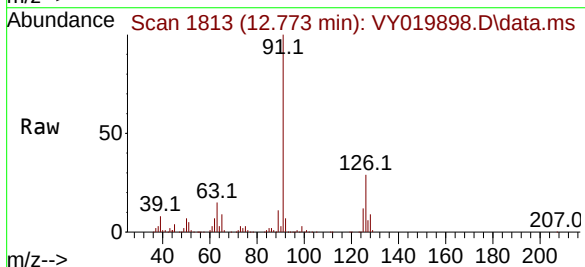
Instrument :  
MSVOA\_Y  
ClientSampleId :

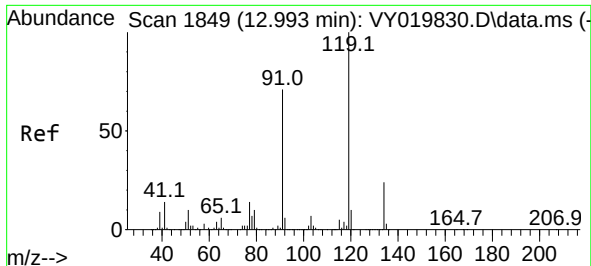
Tgt Ion: 75 Resp: 19753  
Ion Ratio Lower Upper  
75 100  
53 118.3 66.8 100.2#  
89 45.7 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 21.775 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion: 91 Resp: 272864  
Ion Ratio Lower Upper  
91 100  
126 31.7 17.6 52.9

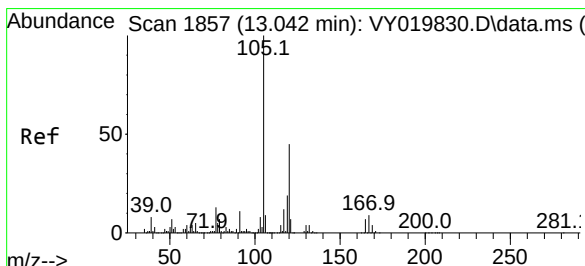
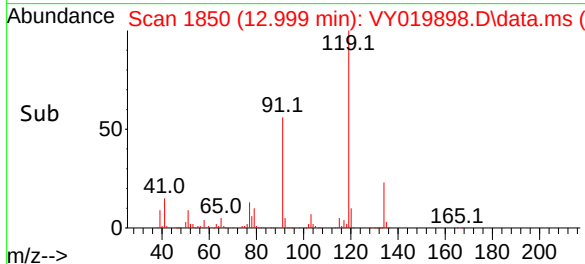
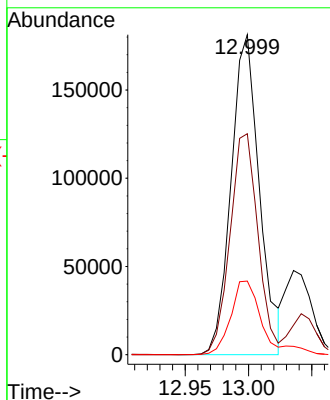
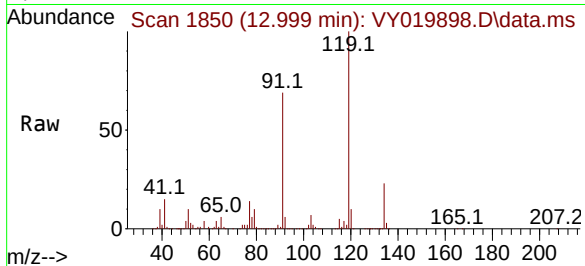




#83  
tert-Butylbenzene  
Concen: 22.091 ug/l  
RT: 12.999 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

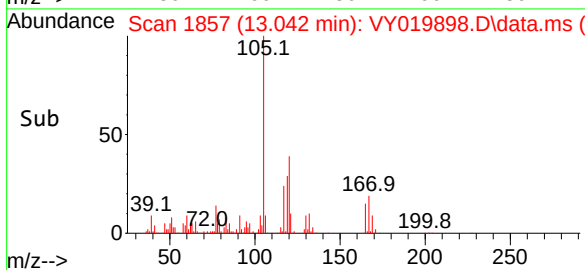
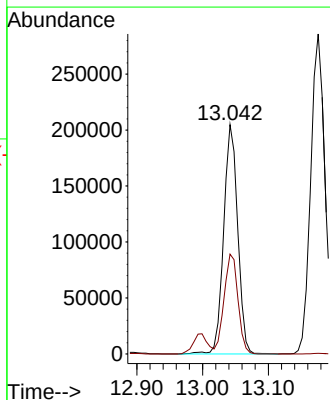
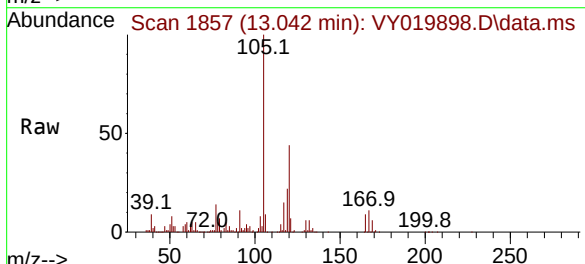
Instrument :  
MSVOA\_Y  
ClientSampleId :

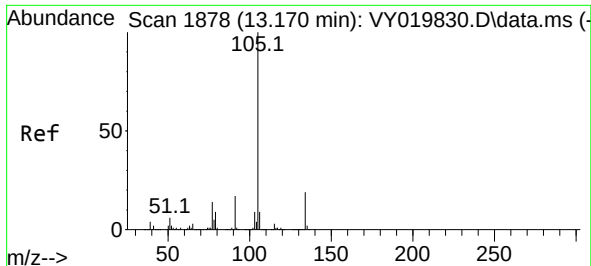
Tgt Ion:119 Resp: 282761  
Ion Ratio Lower Upper  
119 100  
91 68.3 31.3 93.8  
134 25.6 13.4 40.1



#84  
1,2,4-Trimethylbenzene  
Concen: 21.502 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. -0.006 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

Tgt Ion:105 Resp: 304588  
Ion Ratio Lower Upper  
105 100  
120 43.0 23.2 69.6

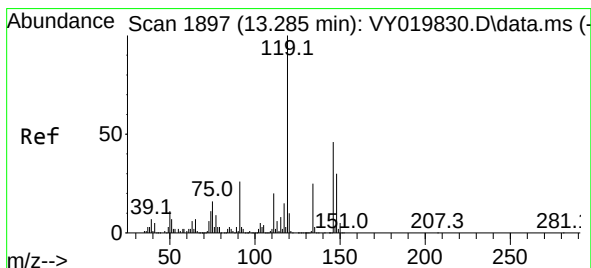
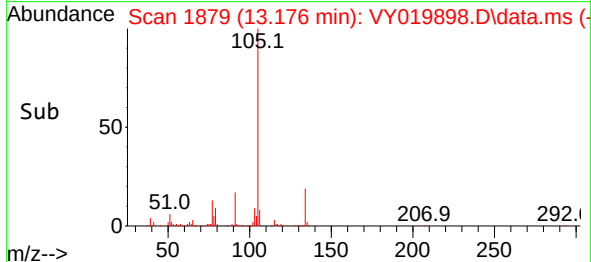
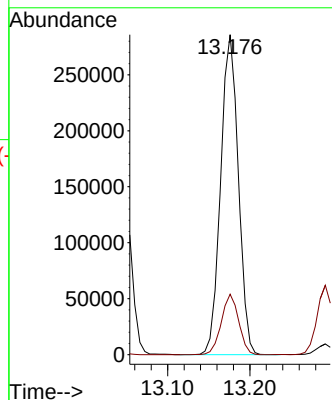
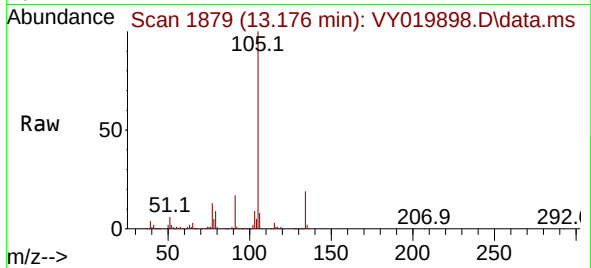




#85  
 sec-Butylbenzene  
 Concen: 22.301 ug/l  
 RT: 13.176 min Scan# 1878  
 Delta R.T. 0.000 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

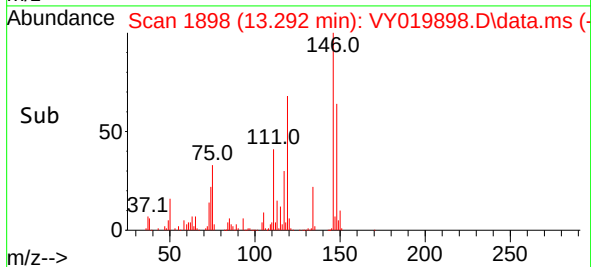
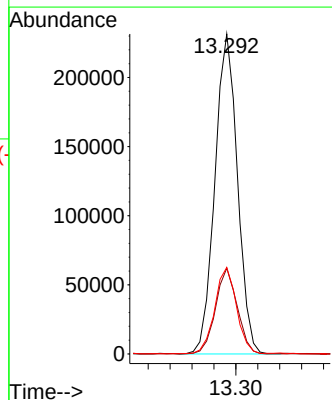
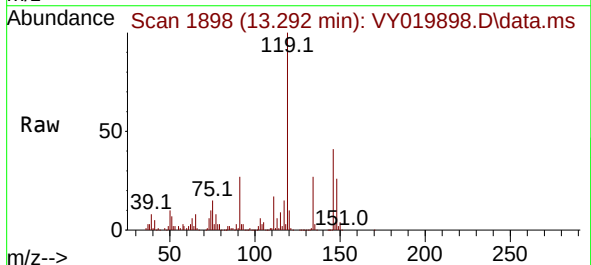
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

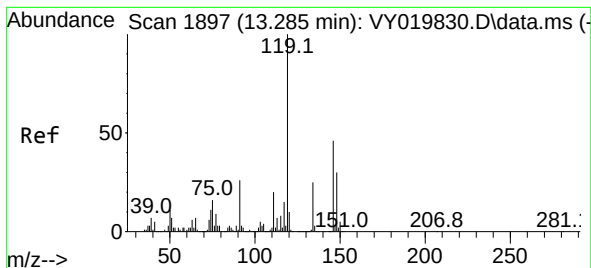
Tgt Ion:105 Resp: 426480  
 Ion Ratio Lower Upper  
 105 100  
 134 18.6 10.1 30.1



#86  
 p-Isopropyltoluene  
 Concen: 21.299 ug/l  
 RT: 13.292 min Scan# 1898  
 Delta R.T. 0.000 min  
 Lab File: VY019898.D  
 Acq: 15 Oct 2024 12:10

Tgt Ion:119 Resp: 330747  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.1 39.3  
 91 26.1 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 21.116 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

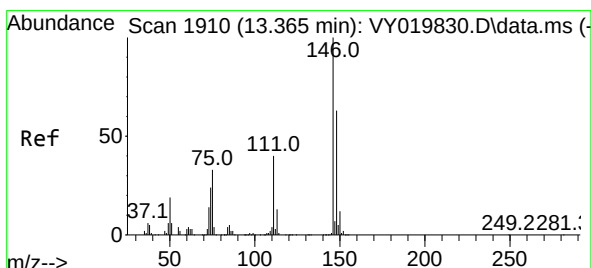
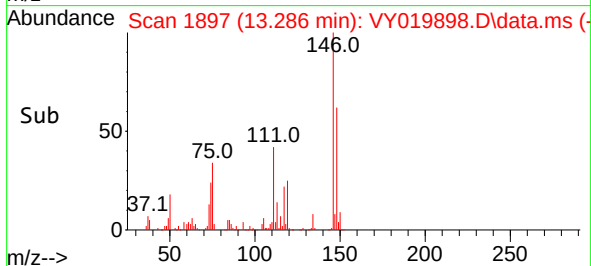
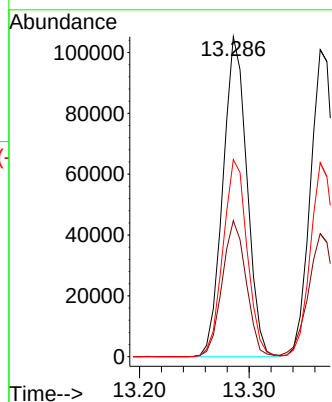
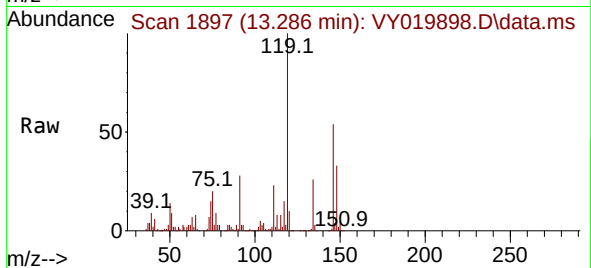
Tgt Ion:146 Resp: 160096

Ion Ratio Lower Upper

146 100

111 42.4 19.0 57.0

148 62.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.880 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

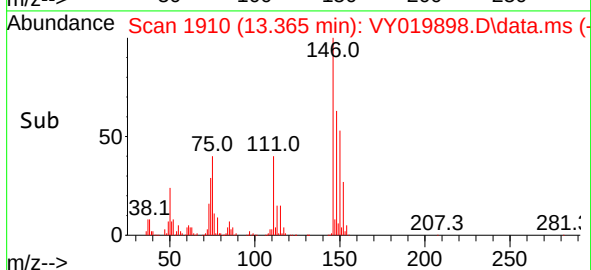
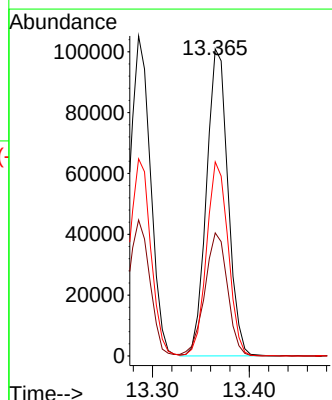
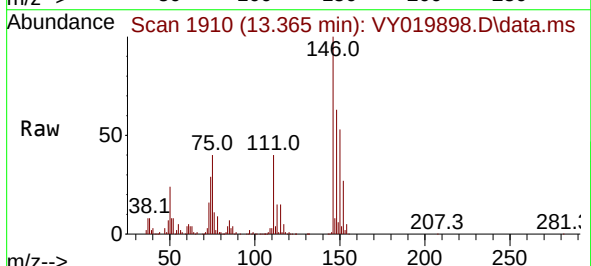
Tgt Ion:146 Resp: 155524

Ion Ratio Lower Upper

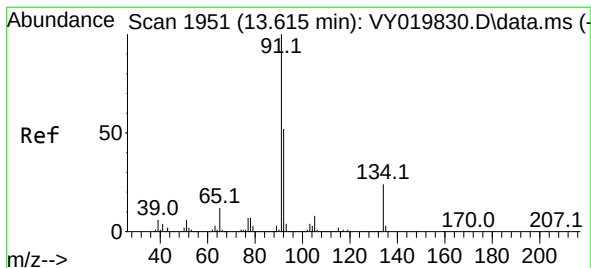
146 100

111 42.6 18.4 55.4

148 63.6 32.4 97.2







#89

n-Butylbenzene

Concen: 21.897 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

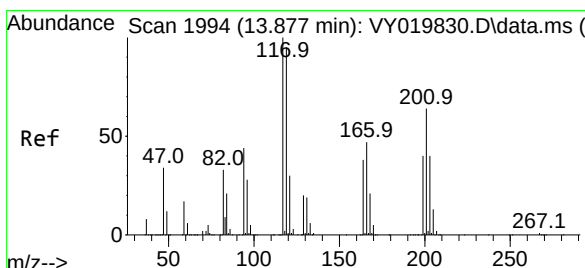
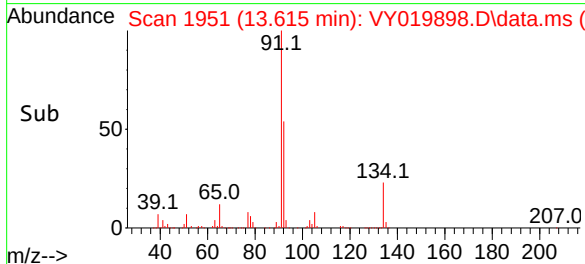
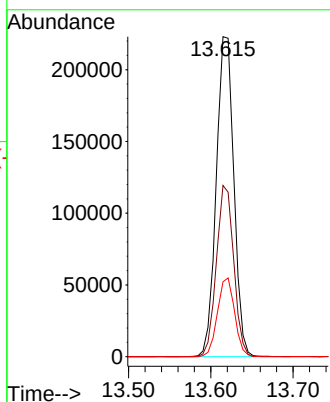
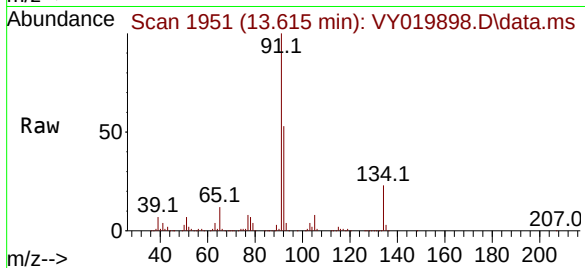
Tgt Ion: 91 Resp: 332033

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.7

134 24.0 12.9 38.7



#90

Hexachloroethane

Concen: 21.846 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019898.D

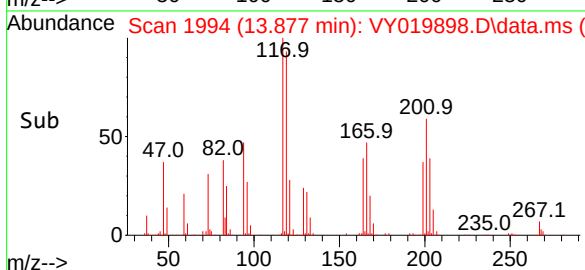
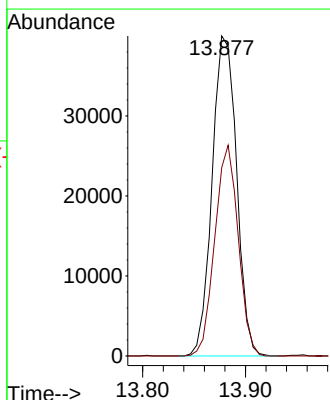
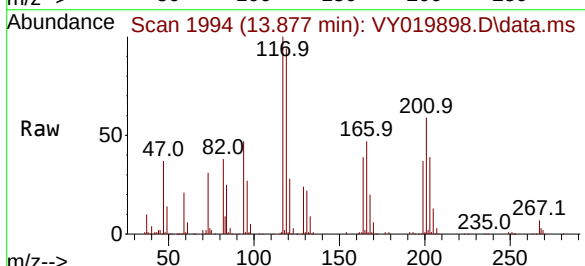
Acq: 15 Oct 2024 12:10

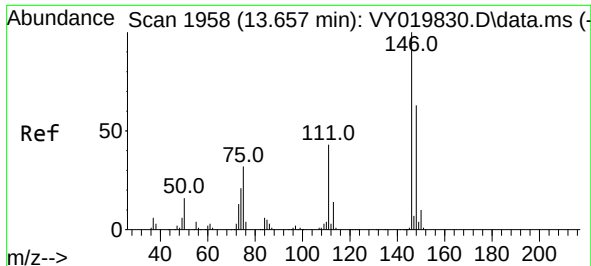
Tgt Ion: 117 Resp: 66058

Ion Ratio Lower Upper

117 100

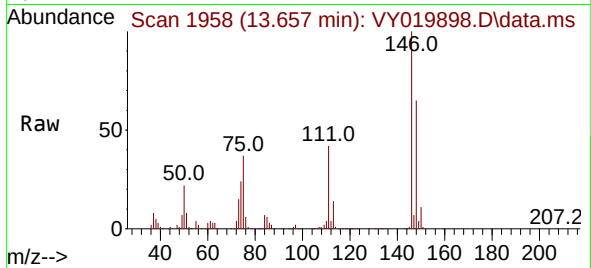
201 63.1 37.4 112.2



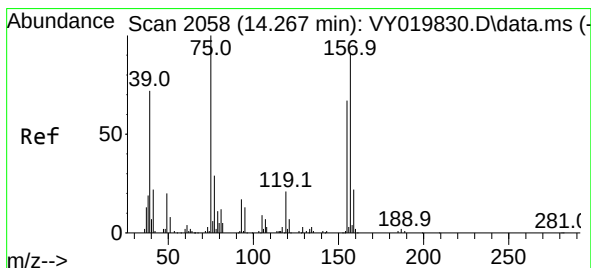
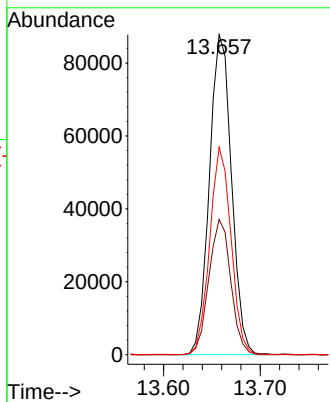
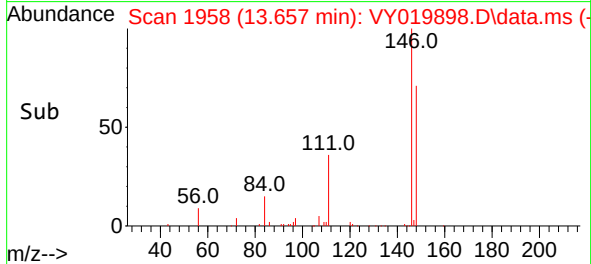


#91  
1,2-Dichlorobenzene  
Concen: 20.919 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10

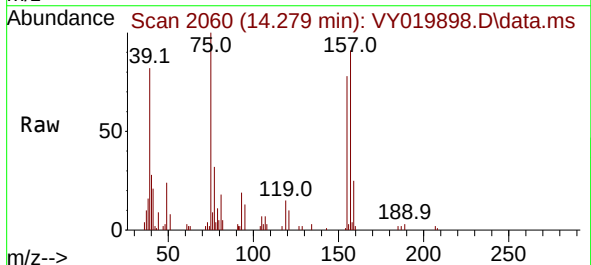
Instrument :  
MSVOA\_Y  
ClientSampleId :



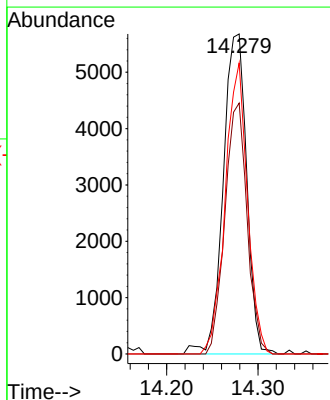
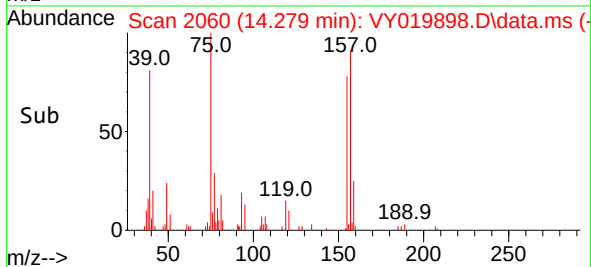
Tgt Ion:146 Resp: 139360  
Ion Ratio Lower Upper  
146 100  
111 41.9 19.9 59.7  
148 62.7 31.8 95.4

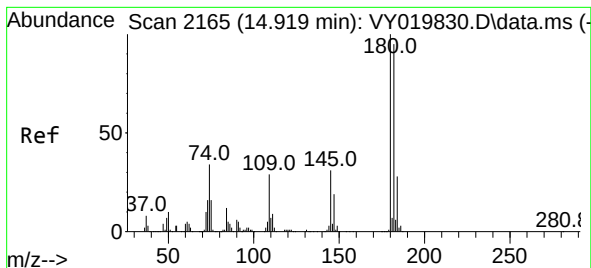


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 20.185 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. 0.007 min  
Lab File: VY019898.D  
Acq: 15 Oct 2024 12:10



Tgt Ion: 75 Resp: 10127  
Ion Ratio Lower Upper  
75 100  
155 74.4 48.6 145.8  
157 86.0 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 20.158 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

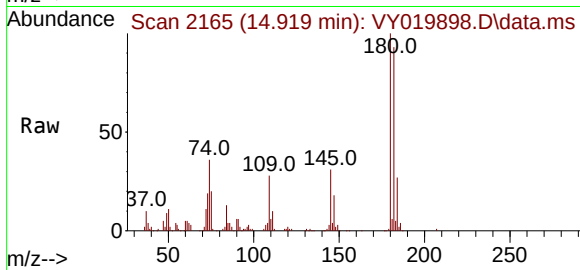
Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

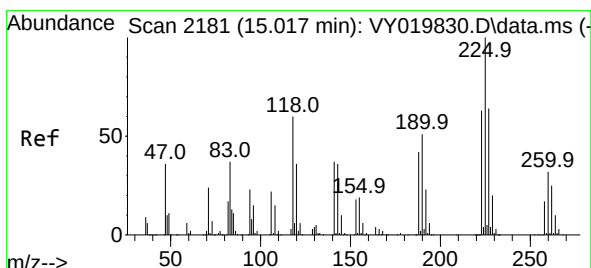
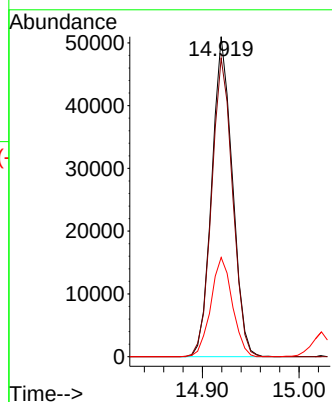
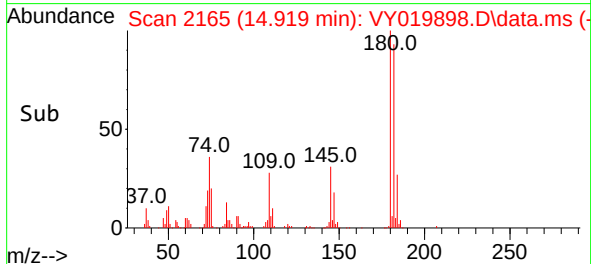
Instrument :

MSVOA\_Y

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 75299 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.0  | 47.9  | 143.8 |
| 145       | 32.4  | 14.2  | 42.6  |



#94

Hexachlorobutadiene

Concen: 20.068 ug/l

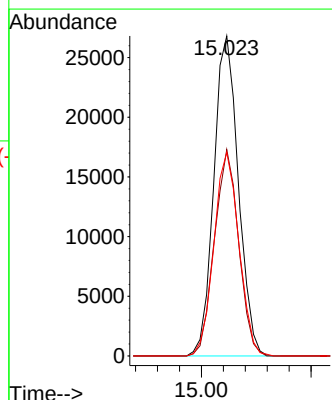
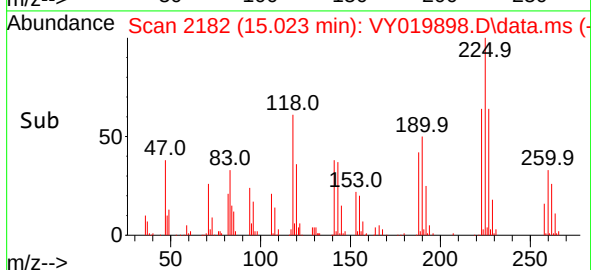
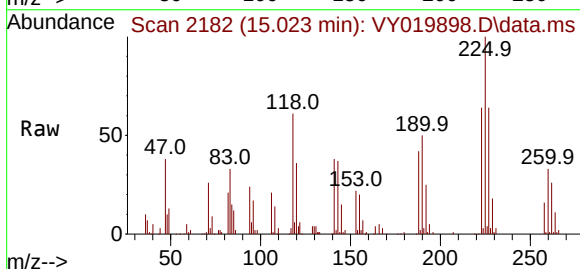
RT: 15.023 min Scan# 2182

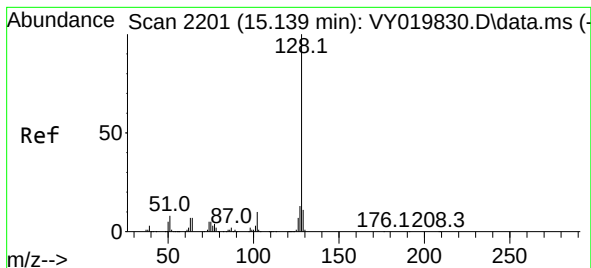
Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 41676 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.6  | 30.4  | 91.2  |
| 227       | 64.8  | 31.9  | 95.9  |





#95

Naphthalene

Concen: 19.033 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Instrument :

MSVOA\_Y

ClientSampleId :

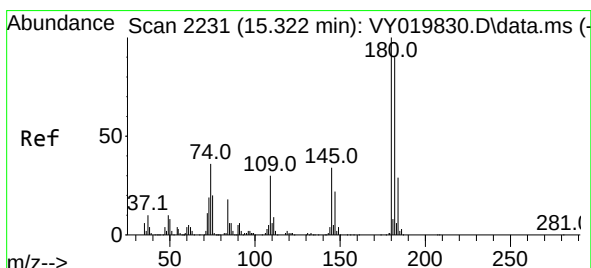
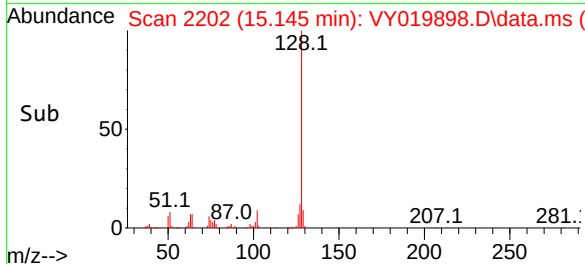
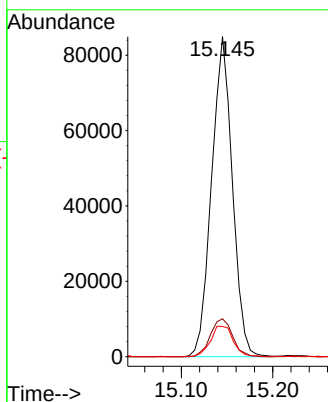
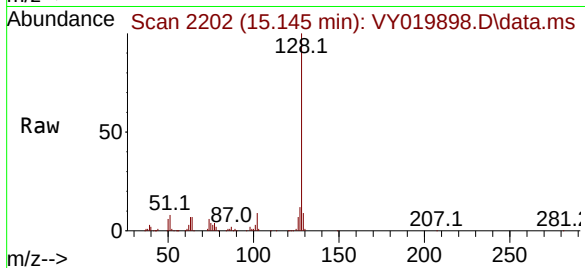
Tgt Ion:128 Resp: 134092

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 19.356 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019898.D

Acq: 15 Oct 2024 12:10

Tgt Ion:180 Resp: 61119

Ion Ratio Lower Upper

180 100

182 96.2 47.6 142.9

145 35.5 15.4 46.1

