

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112822\  
 Data File : VY011593.D  
 Acq On : 28 Nov 2022 11:14  
 Operator : KP/MD  
 Sample : VY1128SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1128SBS01

Quant Time: Nov 29 00:24:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 187281   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 300585   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 271911   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 138625   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 97710    | 51.382   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 102.760% |          |
| 35) Dibromofluoromethane     | 7.716  | 113   | 93896    | 50.744   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 101.480% |          |
| 50) Toluene-d8               | 10.179 | 98    | 325098   | 48.348   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 96.700%  |          |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 126358   | 50.826   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 101.660% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 32948    | 29.839   | ug/l       | 100      |
| 3) Chloromethane             | 2.113  | 50    | 35897    | 19.875   | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.253  | 62    | 40129    | 18.944   | ug/l       | 97       |
| 5) Bromomethane              | 2.644  | 94    | 28209    | 18.331   | ug/l       | 98       |
| 6) Chloroethane              | 2.790  | 64    | 25781    | 17.444   | ug/l       | 91       |
| 7) Trichlorofluoromethane    | 3.125  | 101   | 66012    | 21.245   | ug/l       | 94       |
| 8) Diethyl Ether             | 3.528  | 74    | 22115    | 22.022   | ug/l       | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 38016    | 21.159   | ug/l       | 96       |
| 10) Methyl Iodide            | 4.088  | 142   | 43236    | 20.654   | ug/l       | 95       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 39215    | 182.256  | ug/l #     | 95       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 35136    | 21.349   | ug/l       | 88       |
| 13) Acrolein                 | 3.729  | 56    | 7925     | 158.052  | ug/l       | 98       |
| 14) Allyl chloride           | 4.472  | 41    | 61140    | 21.162   | ug/l       | 92       |
| 15) Acrylonitrile            | 5.161  | 53    | 60123    | 109.614  | ug/l       | 98       |
| 16) Acetone                  | 3.942  | 43    | 61201    | 99.081   | ug/l       | 93       |
| 17) Carbon Disulfide         | 4.192  | 76    | 96163    | 21.082   | ug/l       | 98       |
| 18) Methyl Acetate           | 4.479  | 43    | 34233    | 22.631   | ug/l #     | 91       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 104933   | 22.340   | ug/l       | 96       |
| 20) Methylene Chloride       | 4.710  | 84    | 61648    | 20.224   | ug/l #     | 88       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 39695    | 20.872   | ug/l       | 91       |
| 22) Diisopropyl ether        | 6.119  | 45    | 133758   | 21.209   | ug/l       | 92       |
| 23) Vinyl Acetate            | 6.058  | 43    | 388946   | 105.875  | ug/l       | 96       |
| 24) 1,1-Dichloroethane       | 6.021  | 63    | 76097    | 20.551   | ug/l       | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 86731    | 106.841  | ug/l #     | 87       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 72191    | 21.124   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 47818    | 21.357   | ug/l       | 94       |
| 28) Bromochloromethane       | 7.332  | 49    | 30333    | 20.391   | ug/l #     | 93       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 49103    | 107.109  | ug/l       | 91       |
| 30) Chloroform               | 7.502  | 83    | 81296    | 21.171   | ug/l       | 99       |
| 31) Cyclohexane              | 7.783  | 56    | 64535    | 20.474   | ug/l #     | 89       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 71768    | 20.892   | ug/l       | 97       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 58632    | 20.271   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.076  | 43    | 34675    | 21.053   | ug/l       | 97       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 64341    | 19.883   | ug/l       | 98       |
| 39) Methylcyclohexane        | 9.185  | 83    | 66416    | 20.576   | ug/l       | 93       |
| 40) Benzene                  | 8.161  | 78    | 172301   | 20.450   | ug/l       | 97       |

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 Sample : VY1128SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1128SBS01

Quant Time: Nov 29 00:24:23 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 47256    | 56.747  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 52697    | 20.224  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 61054    | 20.549  | ug/l   | 93       |
| 44) Trichloroethene           | 8.941  | 130  | 45646    | 20.136  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 44536    | 20.680  | ug/l   | 95       |
| 46) Dibromomethane            | 9.307  | 93   | 24343    | 20.216  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 61914    | 20.413  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.289  | 41   | 26735    | 20.258  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 6070     | 407.044 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 169018   | 102.330 | ug/l   | 93       |
| 52) Toluene                   | 10.246 | 92   | 107494   | 20.175  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 61735    | 20.362  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 68884    | 20.196  | ug/l   | 90       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 35011    | 20.323  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 44475    | 20.758  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 59940    | 20.544  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 110470   | 105.276 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.831 | 43   | 119609   | 101.463 | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.983 | 129  | 44034    | 20.857  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 32437    | 20.628  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.721 | 164  | 44433    | 19.830  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 115924   | 20.360  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 44292    | 20.524  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 207561   | 20.189  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 158384   | 40.471  | ug/l   | 98       |
| 69) o-Xylene                  | 12.032 | 106  | 74153    | 20.351  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 130214   | 20.936  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 27169    | 20.694  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 204369   | 20.385  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 51708    | 20.885  | ug/l # | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 40371    | 20.435  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 55272    | 37.023  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 47637    | 20.349  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.672 | 91   | 250245   | 20.460  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 142633   | 20.690  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 176211   | 20.850  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 14095    | 20.680  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 147955   | 20.525  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 149558   | 20.317  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 173323   | 20.765  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 224881   | 20.475  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 187025   | 20.403  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 96562    | 20.263  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 95479    | 20.037  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 170962   | 20.289  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 36763    | 19.861  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 86216    | 20.410  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 6636     | 20.482  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 49114    | 20.961  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 30458    | 20.912  | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 92684    | 21.372  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 42341    | 21.086  | ug/l   | 99       |

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Sample : VY1128SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

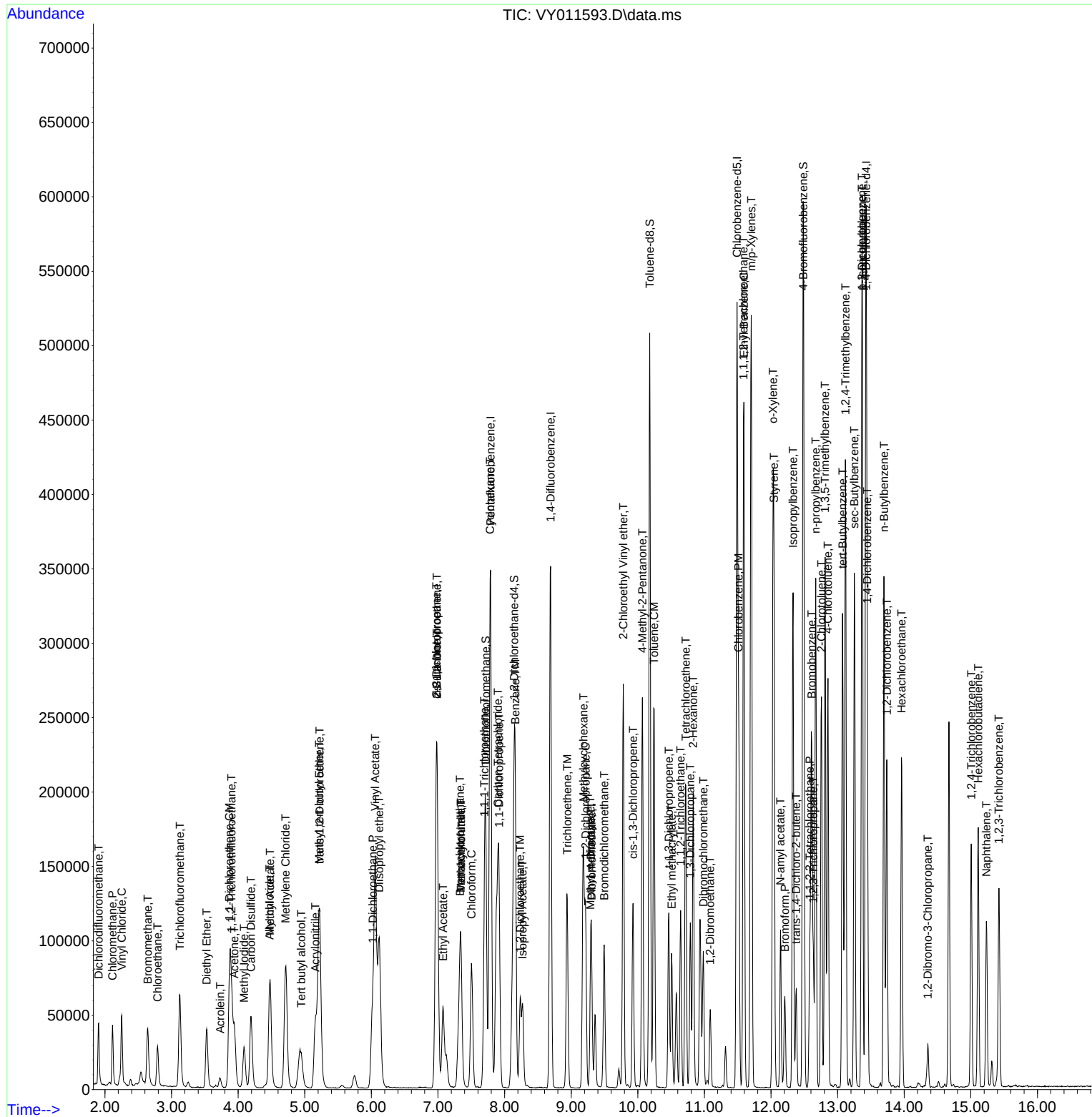
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

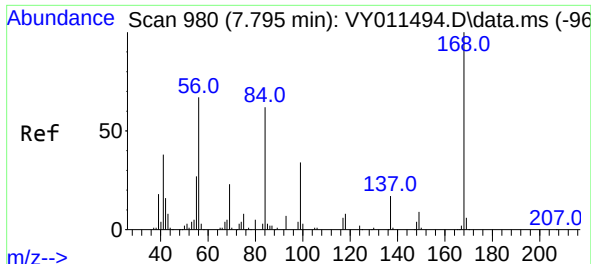
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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MSVOA\_Y  
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VY1128SBSD01

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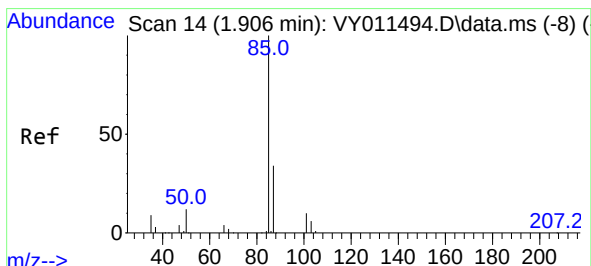
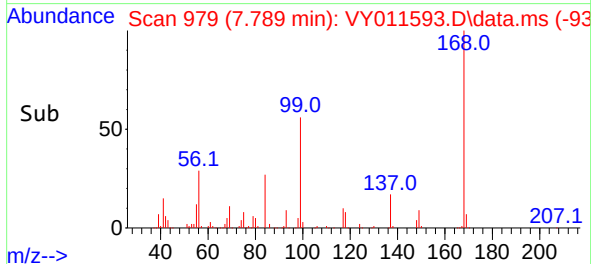
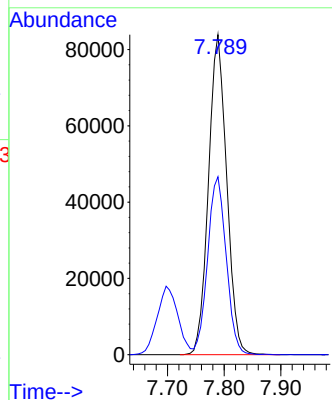
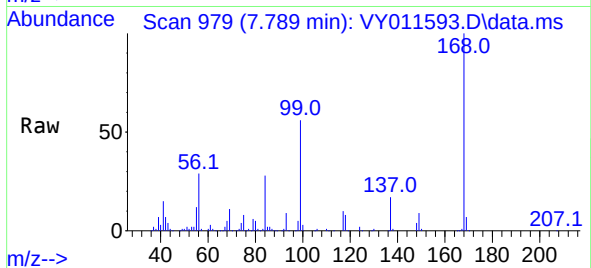




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

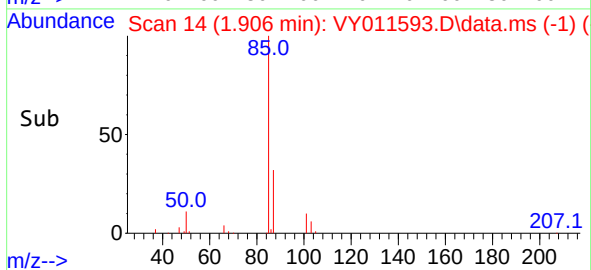
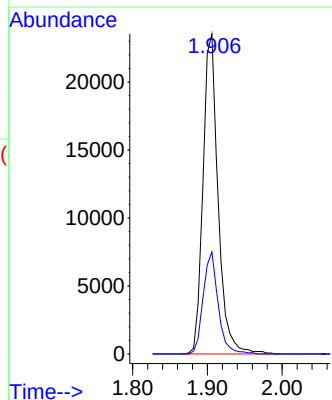
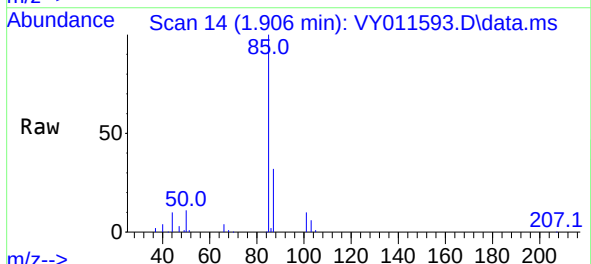
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

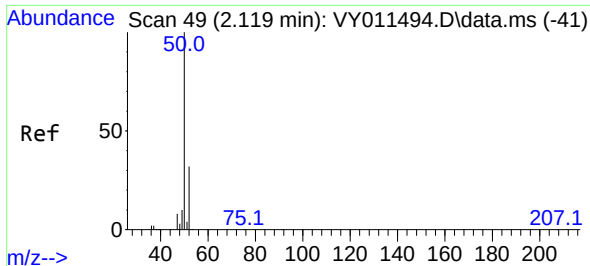
Tgt Ion:168 Resp: 187281  
Ion Ratio Lower Upper  
168 100  
99 55.6 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 29.839 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 85 Resp: 32948  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.1 48.2

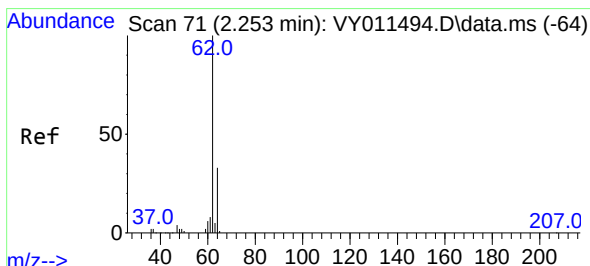
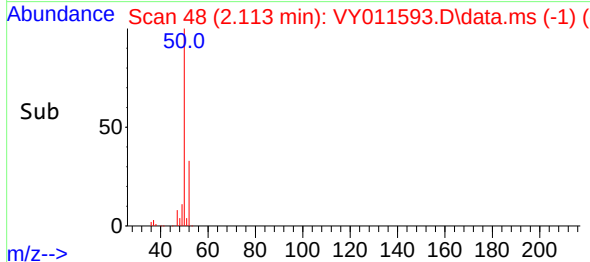
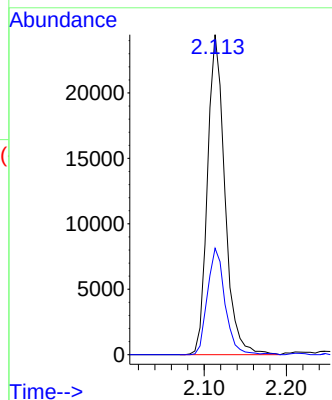
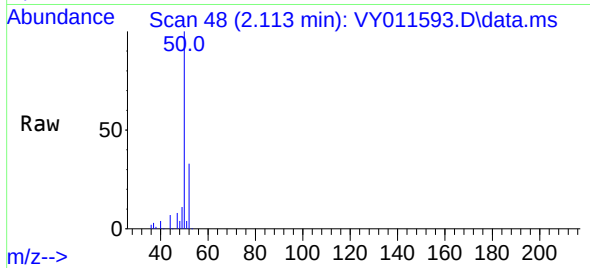




#3  
Chloromethane  
Concen: 19.875 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

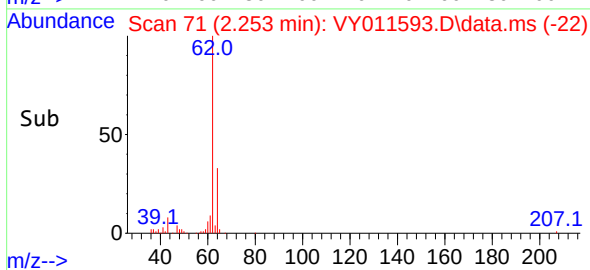
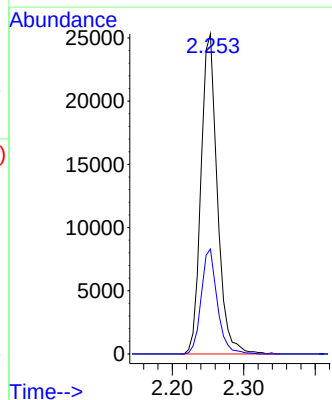
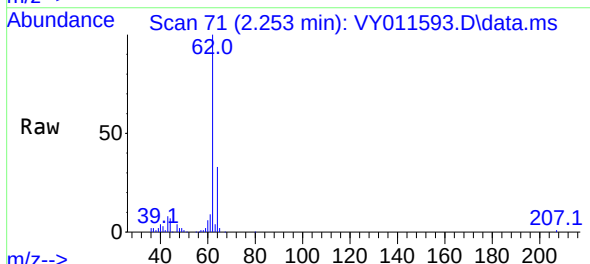
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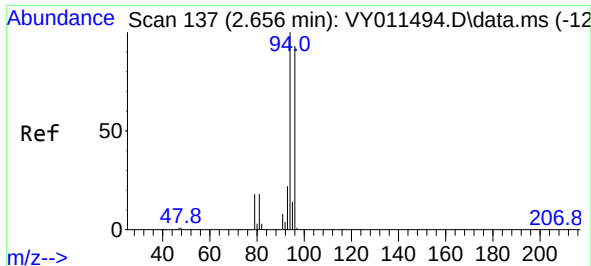
Tgt Ion: 50 Resp: 35897  
Ion Ratio Lower Upper  
50 100  
52 33.2 24.6 37.0



#4  
Vinyl Chloride  
Concen: 18.944 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 62 Resp: 40129  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.0 37.6

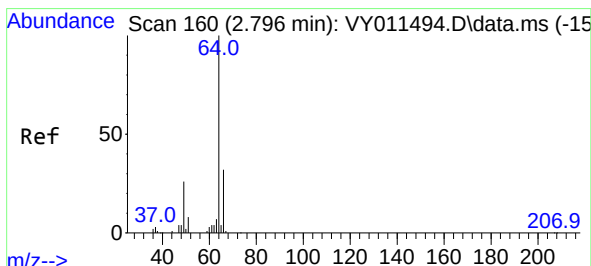
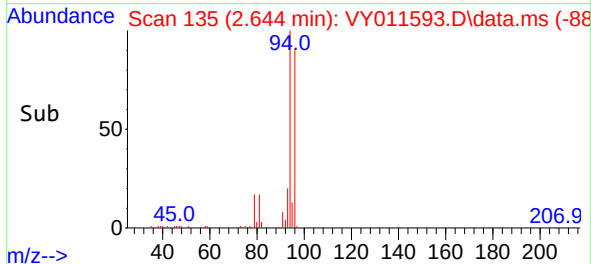
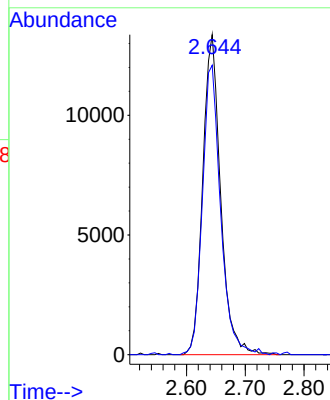
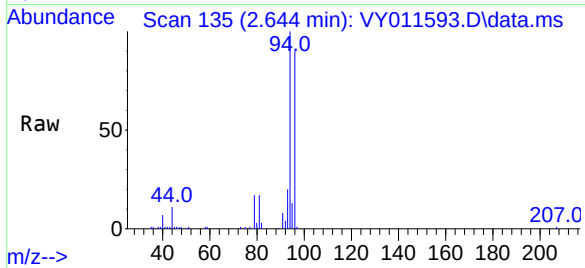




#5  
Bromomethane  
Concen: 18.331 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

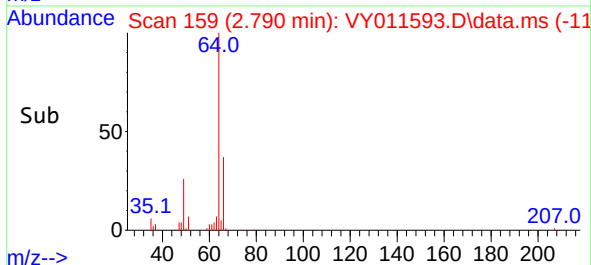
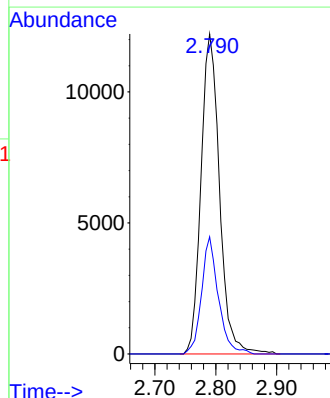
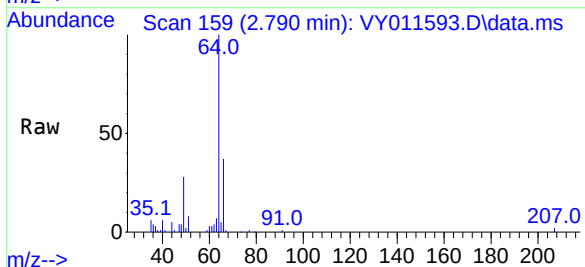
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

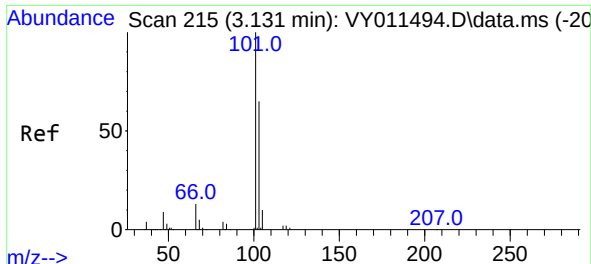
Tgt Ion: 94 Resp: 28209  
Ion Ratio Lower Upper  
94 100  
96 90.5 73.5 110.3



#6  
Chloroethane  
Concen: 17.444 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 64 Resp: 25781  
Ion Ratio Lower Upper  
64 100  
66 36.6 25.4 38.0

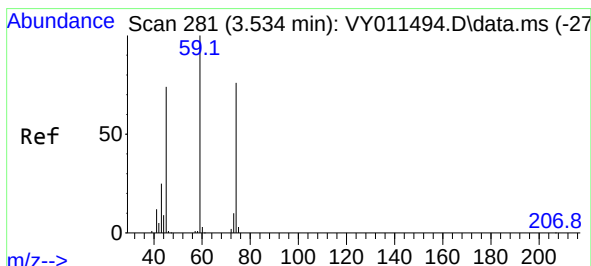
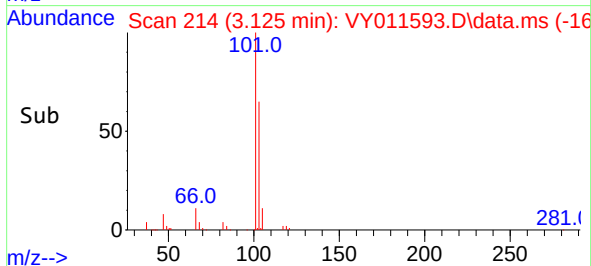
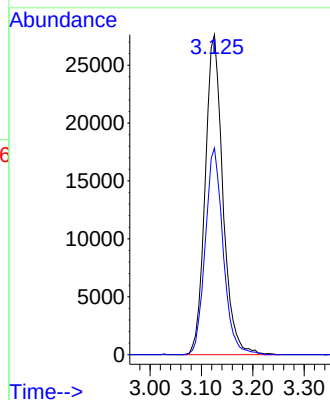
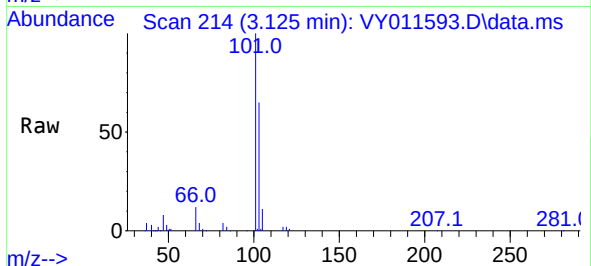




#7  
Trichlorofluoromethane  
Concen: 21.245 ug/l  
RT: 3.125 min Scan# 215  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

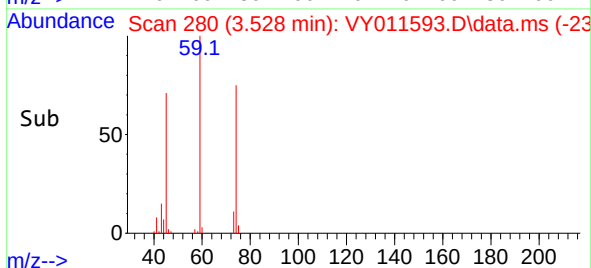
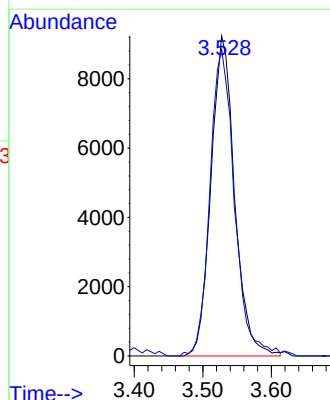
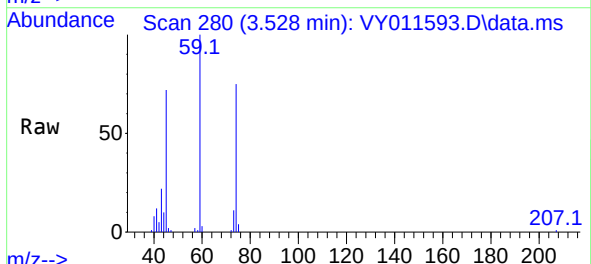
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

Tgt Ion:101 Resp: 66012  
Ion Ratio Lower Upper  
101 100  
103 64.6 48.0 72.0

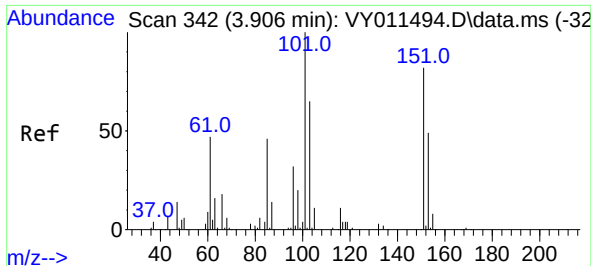


#8  
Diethyl Ether  
Concen: 22.022 ug/l  
RT: 3.528 min Scan# 280  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 74 Resp: 22115  
Ion Ratio Lower Upper  
74 100  
45 99.9 55.1 165.5



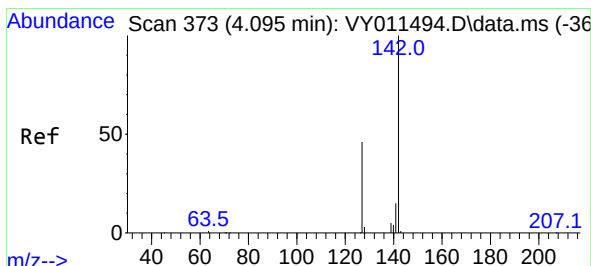
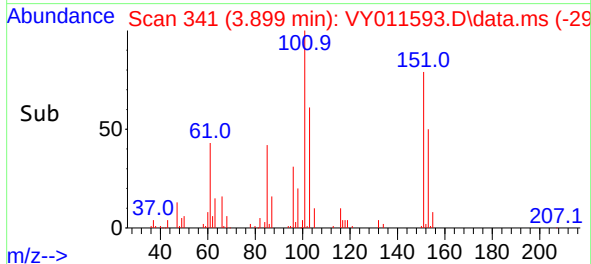
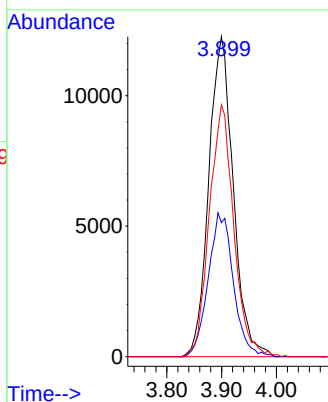
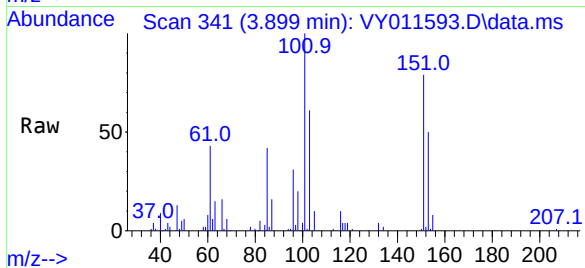




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.159 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. -0.007 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

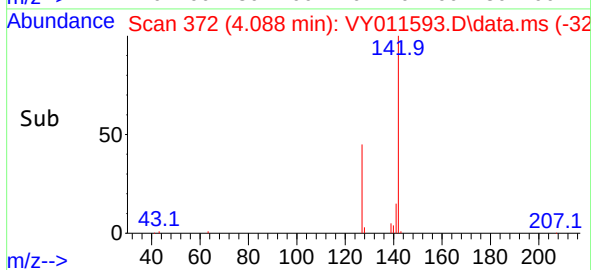
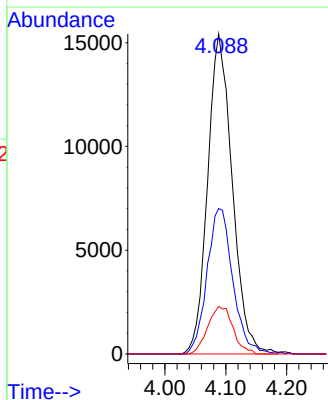
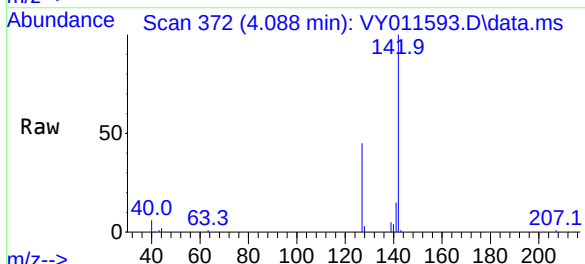
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

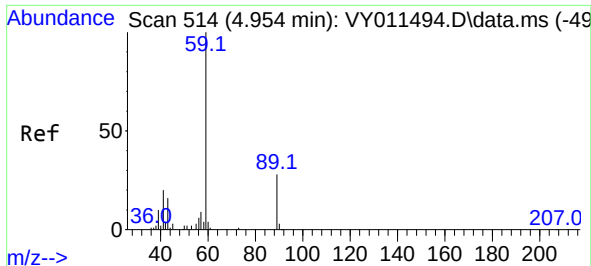
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 38016 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 46.1  | 40.6  | 60.8  |
| 151      | 78.7  | 64.9  | 97.3  |



#10  
Methyl Iodide  
Concen: 20.654 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. -0.007 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 43236 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 47.8  | 41.5  | 62.3  |
| 141      | 15.2  | 11.9  | 17.9  |

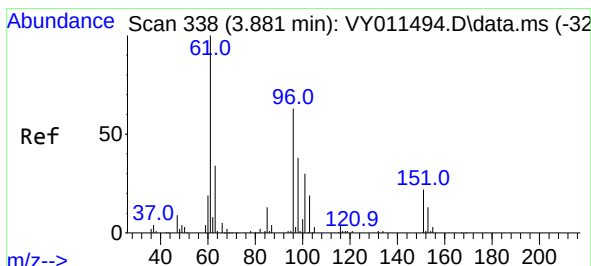
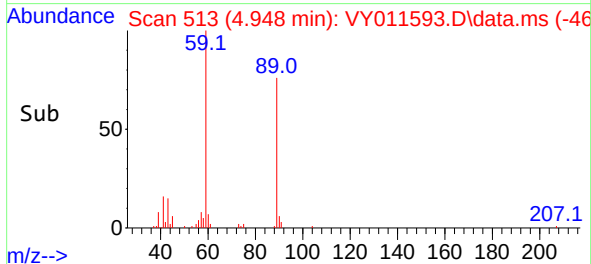
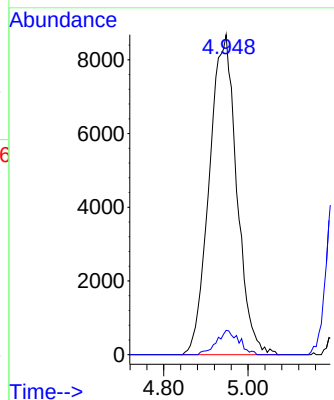
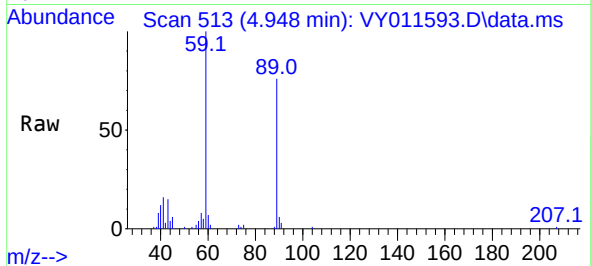




#11  
Tert butyl alcohol  
Concen: 182.256 ug/l  
RT: 4.948 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

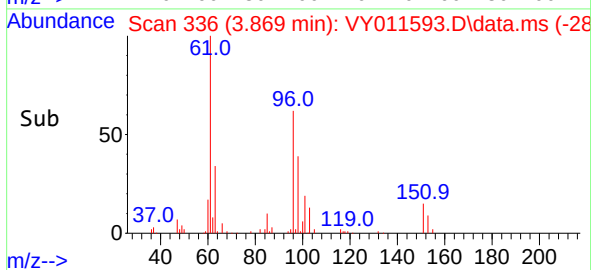
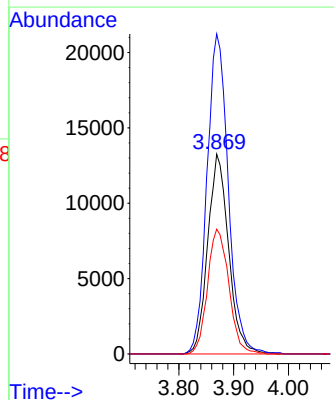
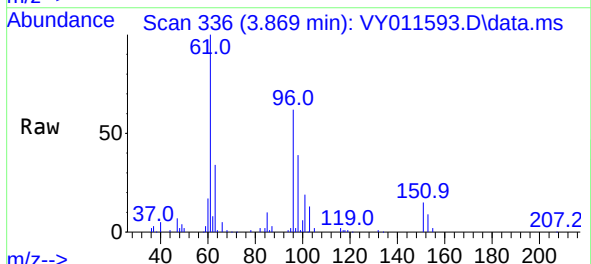
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

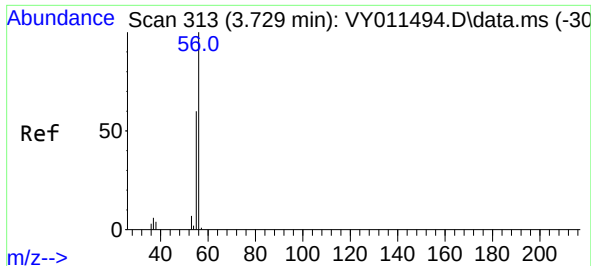
Tgt Ion: 59 Resp: 39215  
Ion Ratio Lower Upper  
59 100  
57 6.2 6.4 9.6#



#12  
1,1-Dichloroethene  
Concen: 21.349 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.012 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 96 Resp: 35136  
Ion Ratio Lower Upper  
96 100  
61 160.1 145.8 218.6  
98 62.4 52.5 78.7

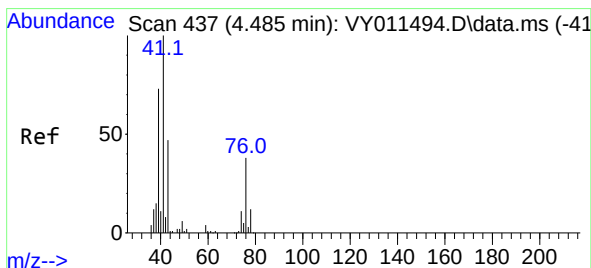
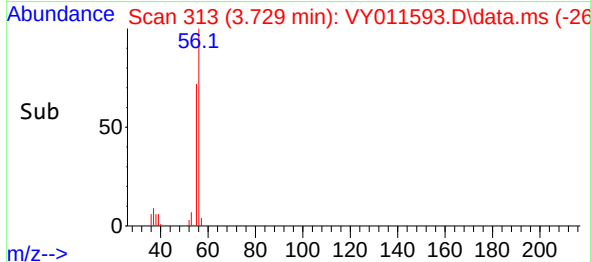
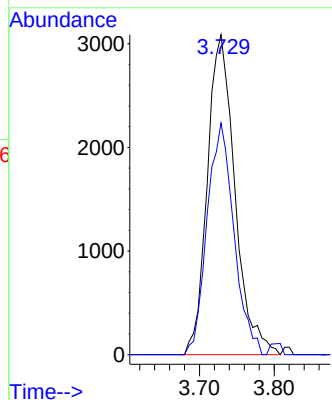
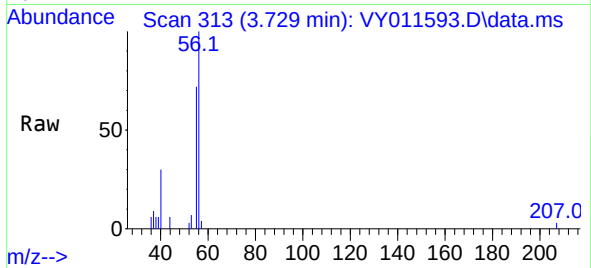




#13  
Acrolein  
Concen: 158.052 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

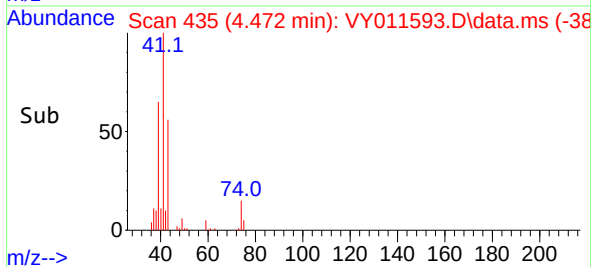
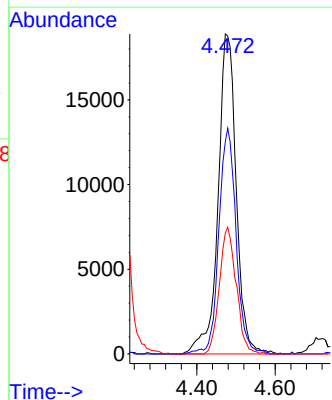
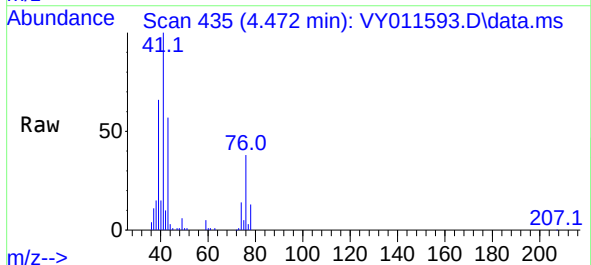
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

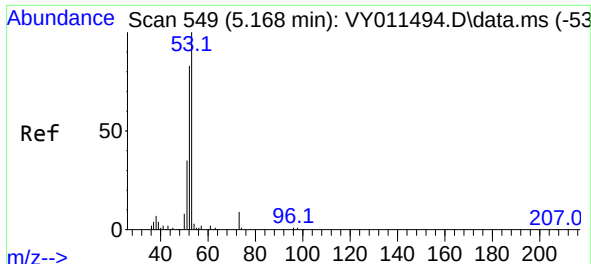
Tgt Ion: 56 Resp: 7925  
Ion Ratio Lower Upper  
56 100  
55 70.4 57.6 86.4



#14  
Allyl chloride  
Concen: 21.162 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.013 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 41 Resp: 61140  
Ion Ratio Lower Upper  
41 100  
39 66.9 58.8 88.2  
76 36.5 25.1 37.7



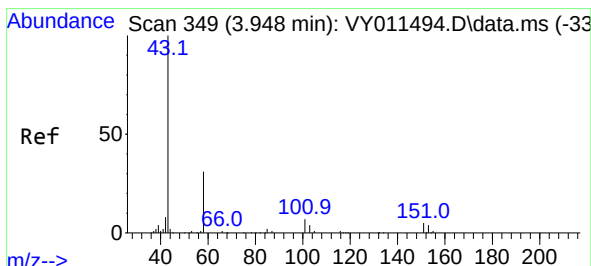
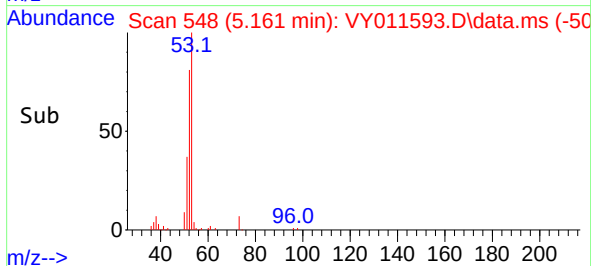
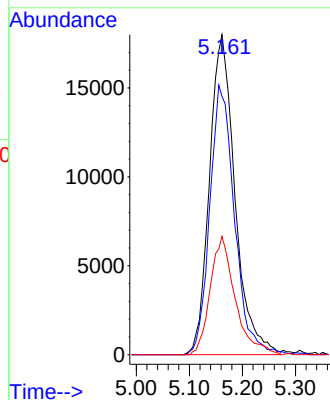
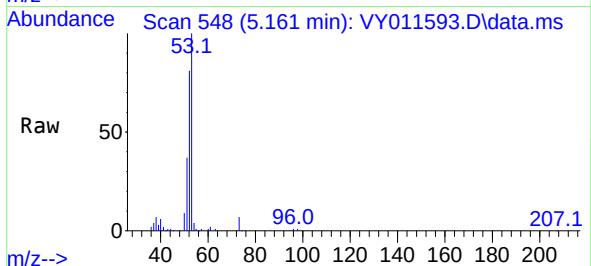


#15  
Acrylonitrile  
Concen: 109.614 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. -0.007 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

Tgt Ion: 53 Resp: 60123

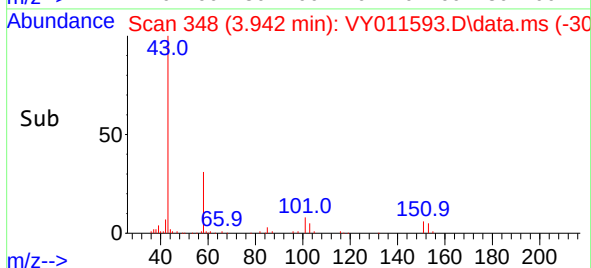
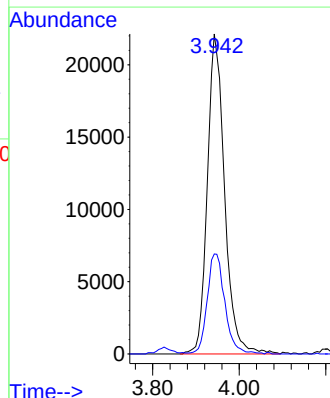
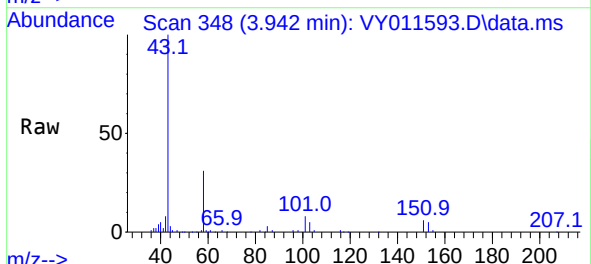
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 53  | 100   |       |       |
| 52  | 81.6  | 67.0  | 100.4 |
| 51  | 36.2  | 29.8  | 44.6  |

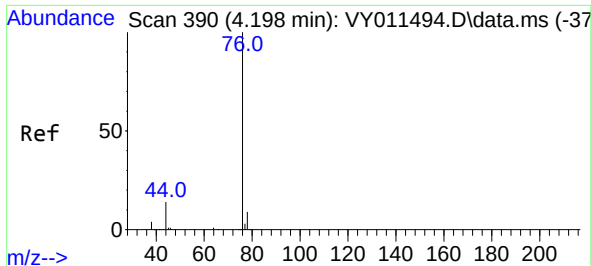


#16  
Acetone  
Concen: 99.081 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 43 Resp: 61201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 31.2  | 22.0  | 33.0  |

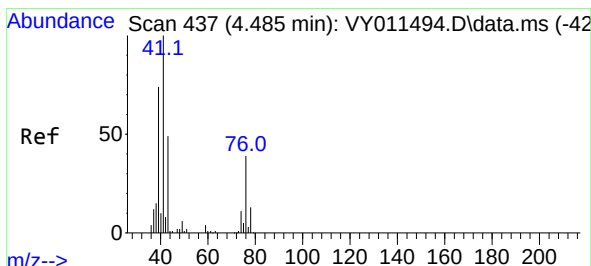
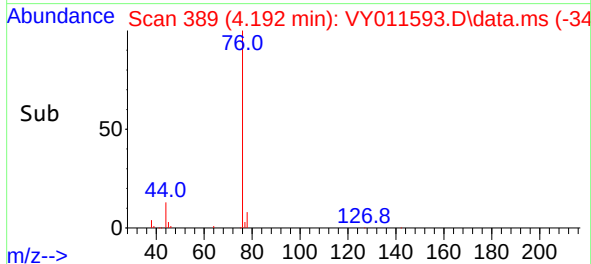
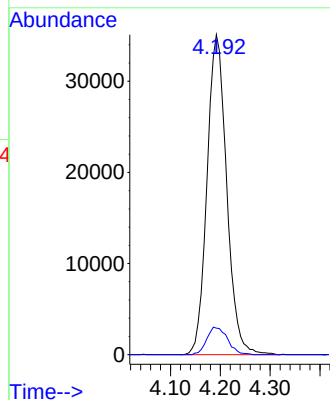
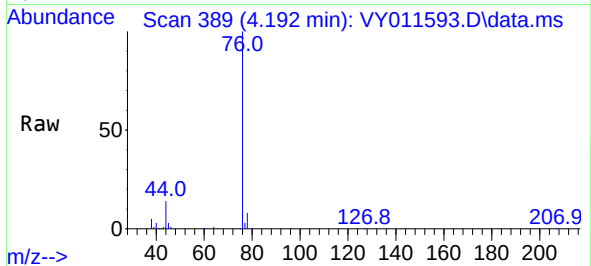




#17  
Carbon Disulfide  
Concen: 21.082 ug/l  
RT: 4.192 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

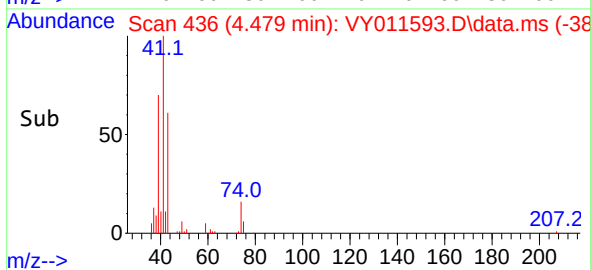
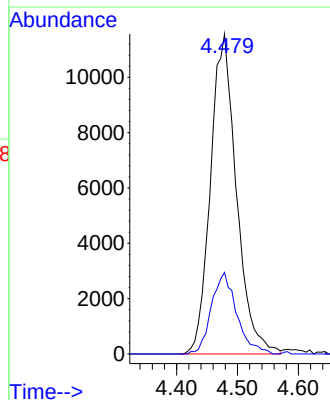
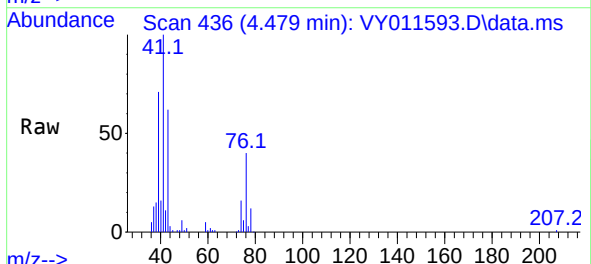
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

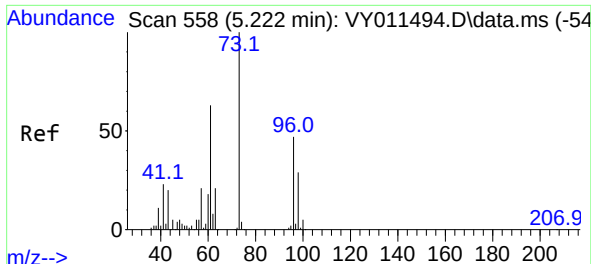
Tgt Ion: 76 Resp: 96163  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.4 11.0



#18  
Methyl Acetate  
Concen: 22.631 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 43 Resp: 34233  
Ion Ratio Lower Upper  
43 100  
74 24.8 16.6 24.8#





#19

Methyl tert-butyl Ether

Concen: 22.340 ug/l

RT: 5.216 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

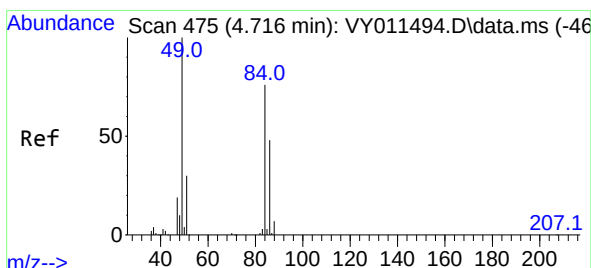
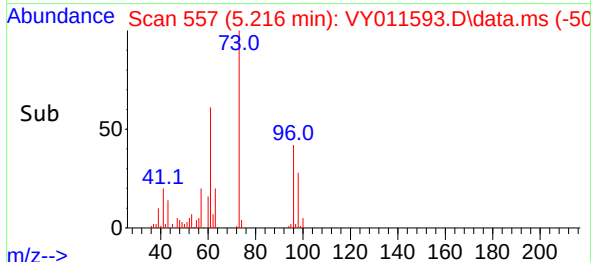
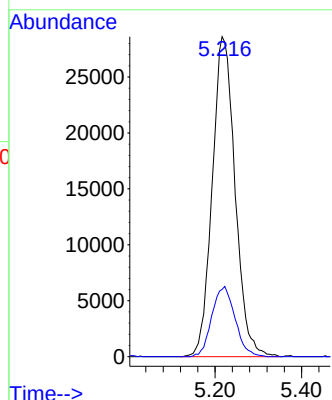
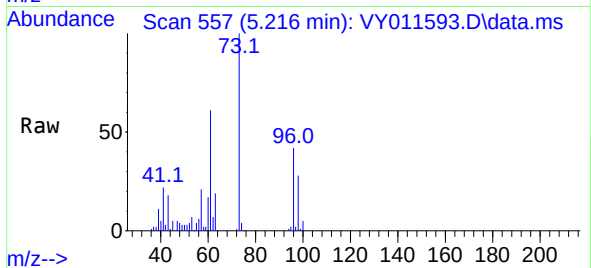
VY1128SBS01

Tgt Ion: 73 Resp: 104933

Ion Ratio Lower Upper

73 100

57 21.1 18.6 27.8



#20

Methylene Chloride

Concen: 20.224 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Tgt Ion: 84 Resp: 61648

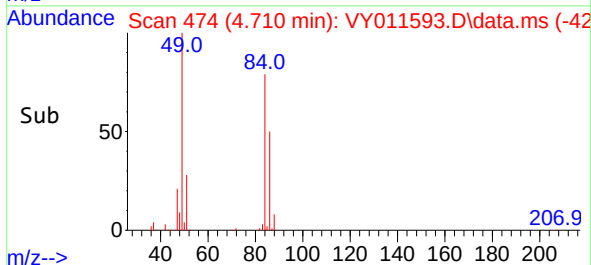
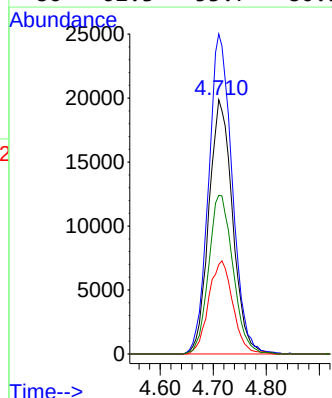
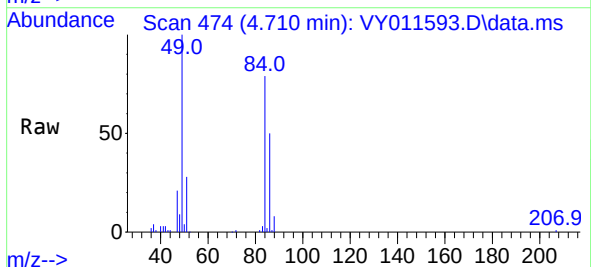
Ion Ratio Lower Upper

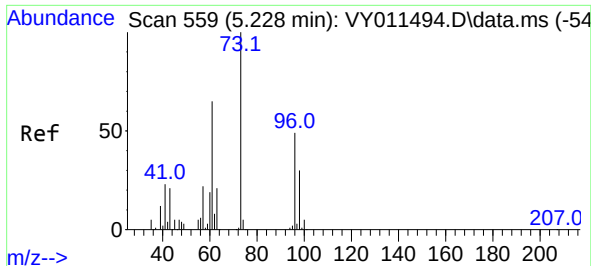
84 100

49 125.8 114.4 171.6

51 35.2 35.3 52.9#

86 62.3 53.7 80.5

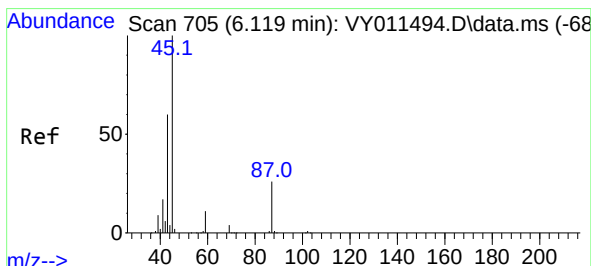
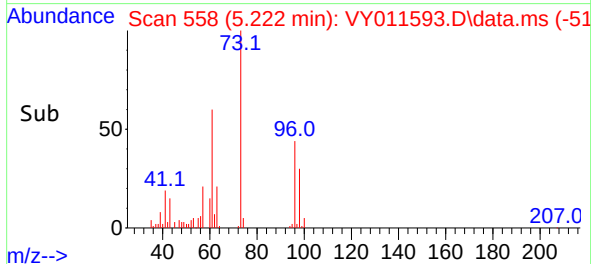
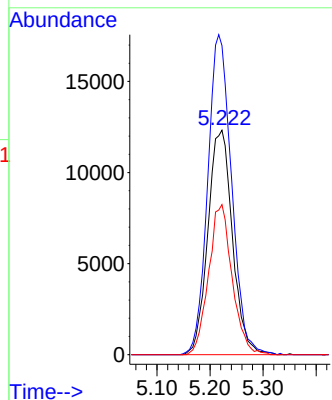
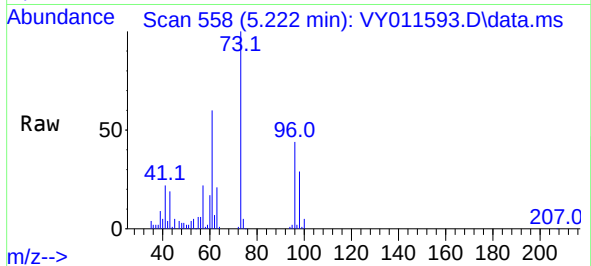




#21  
trans-1,2-Dichloroethene  
Concen: 20.872 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

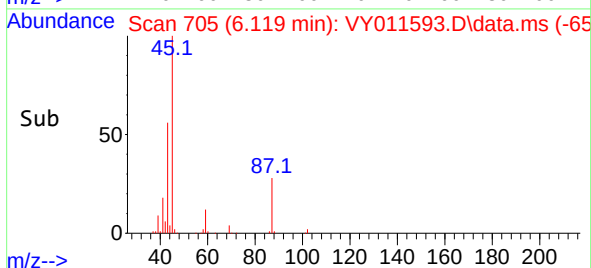
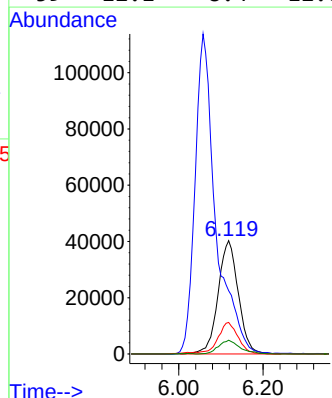
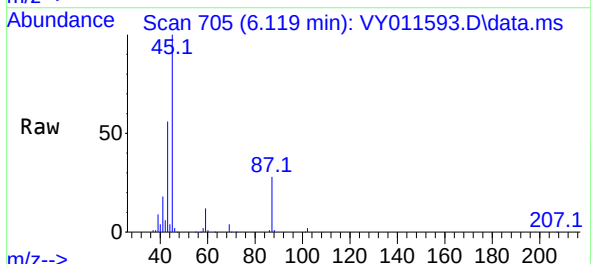
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

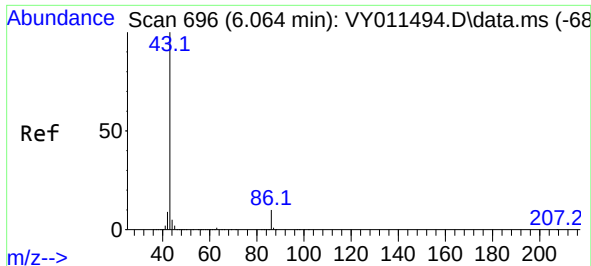
Tgt Ion: 96 Resp: 39695  
Ion Ratio Lower Upper  
96 100  
61 137.7 120.5 180.7  
98 66.8 49.8 74.8



#22  
Diisopropyl ether  
Concen: 21.209 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 45 Resp: 133758  
Ion Ratio Lower Upper  
45 100  
43 55.2 49.3 73.9  
87 27.9 19.2 28.8  
59 12.1 8.4 12.6

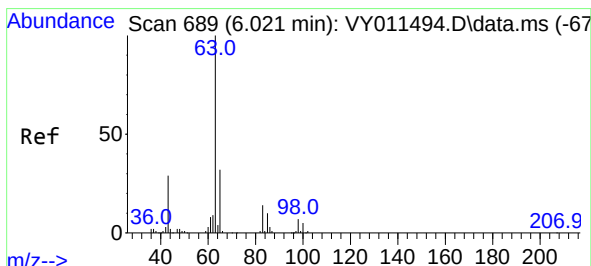
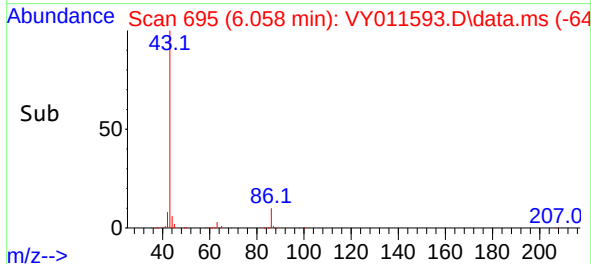
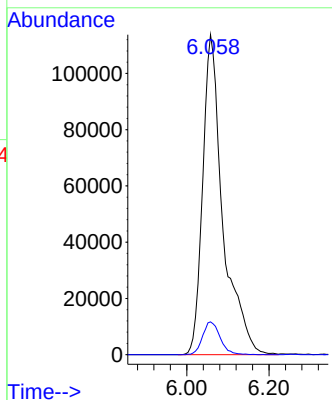
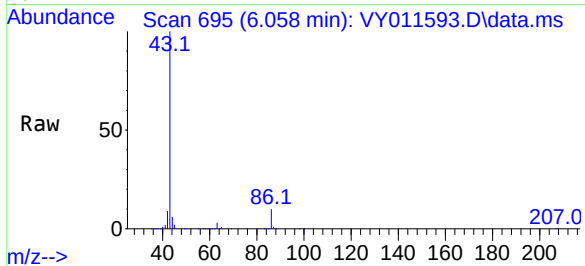




#23  
 Vinyl Acetate  
 Concen: 105.875 ug/l  
 RT: 6.058 min Scan# 61  
 Delta R.T. -0.006 min  
 Lab File: VY011593.D  
 Acq: 28 Nov 2022 11:14

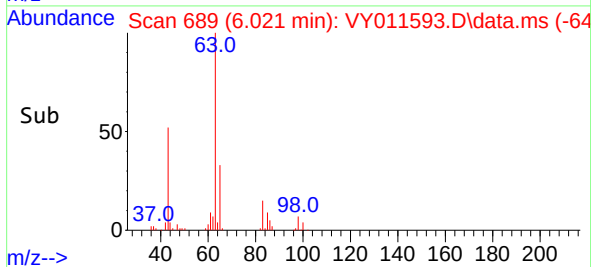
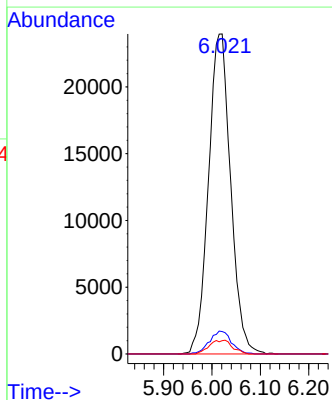
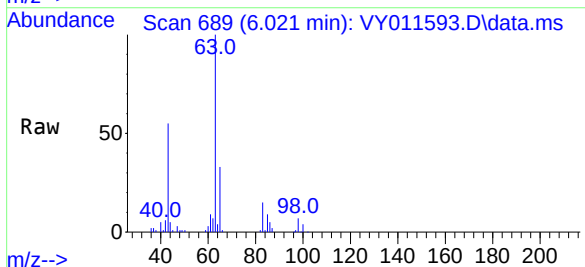
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1128SBS01

Tgt Ion: 43 Resp: 388946  
 Ion Ratio Lower Upper  
 43 100  
 86 10.3 7.1 10.7

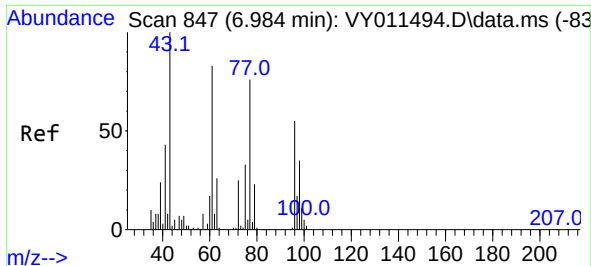


#24  
 1,1-Dichloroethane  
 Concen: 20.551 ug/l  
 RT: 6.021 min Scan# 689  
 Delta R.T. -0.000 min  
 Lab File: VY011593.D  
 Acq: 28 Nov 2022 11:14

Tgt Ion: 63 Resp: 76097  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.6 10.8  
 100 4.2 2.0 5.8



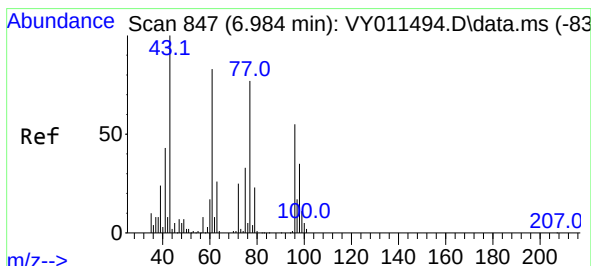
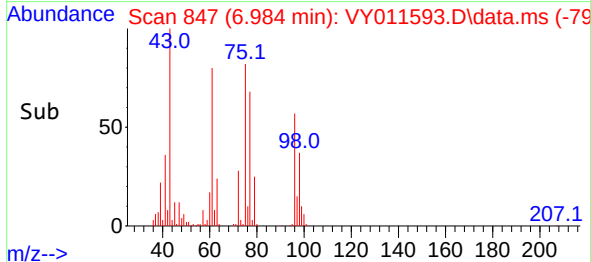
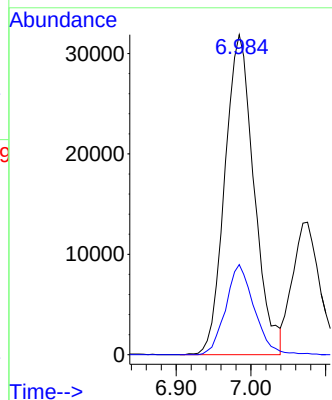
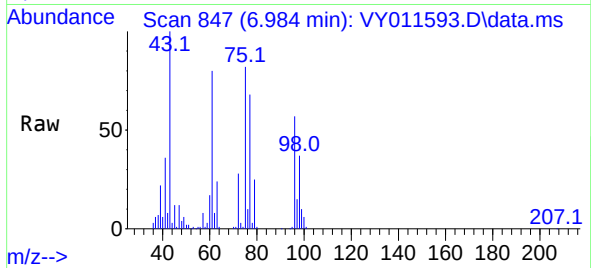




#25  
2-Butanone  
Concen: 106.841 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

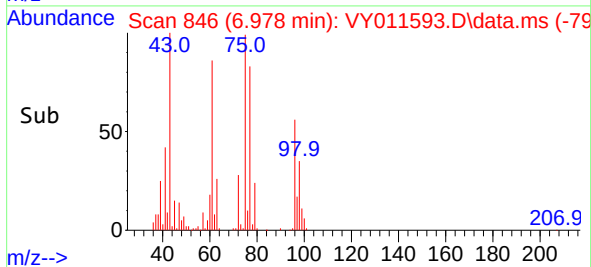
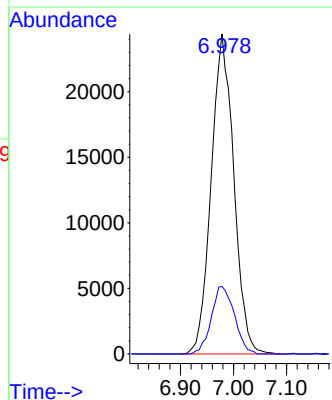
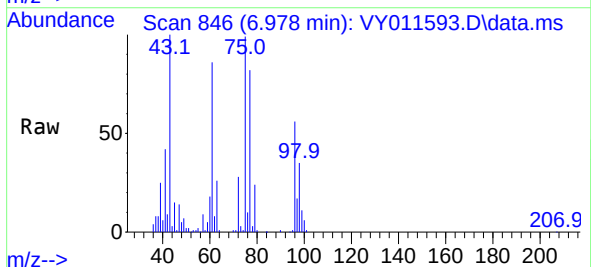
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

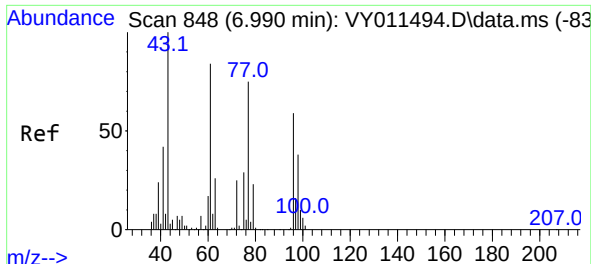
Tgt Ion: 43 Resp: 86731  
Ion Ratio Lower Upper  
43 100  
72 28.2 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 21.124 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 77 Resp: 72191  
Ion Ratio Lower Upper  
77 100  
97 21.5 10.4 31.4

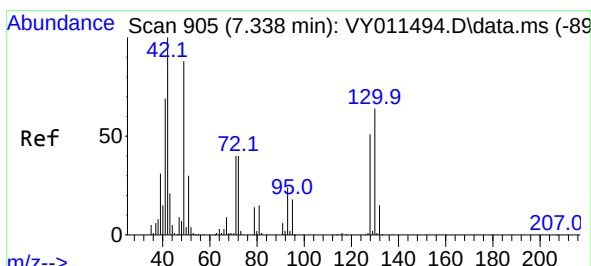
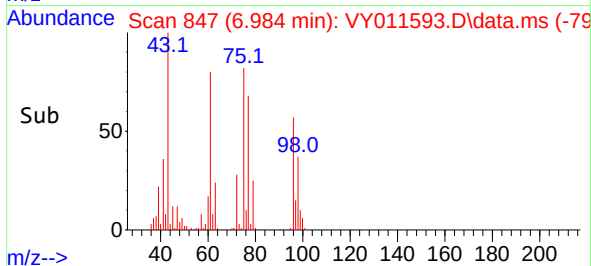
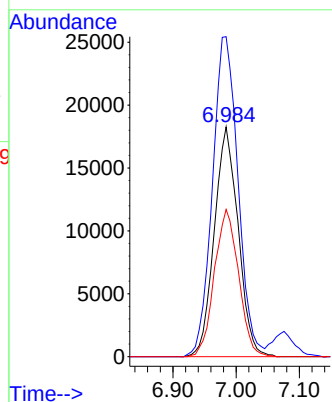
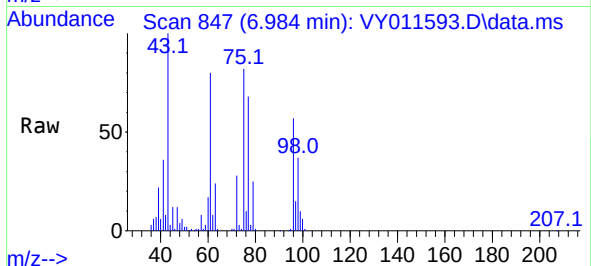




#27  
cis-1,2-Dichloroethene  
Concen: 21.357 ug/l  
RT: 6.984 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

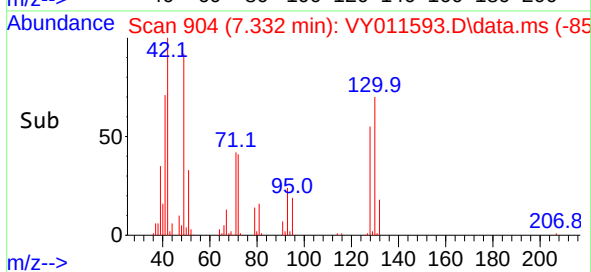
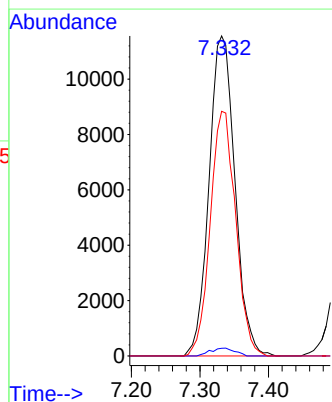
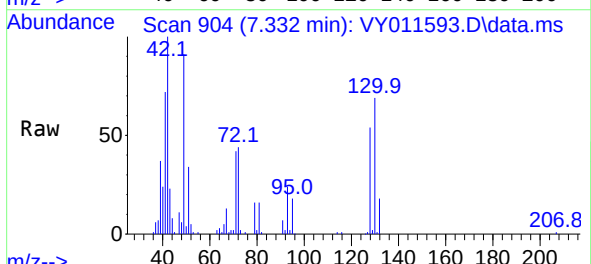
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

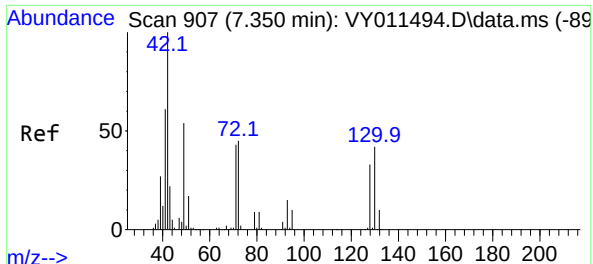
Tgt Ion: 96 Resp: 47818  
Ion Ratio Lower Upper  
96 100  
61 149.4 0.0 319.8  
98 65.0 0.0 127.0



#28  
Bromochloromethane  
Concen: 20.391 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 49 Resp: 30333  
Ion Ratio Lower Upper  
49 100  
129 2.3 0.0 2.2#  
130 75.1 55.4 83.0





#29

Tetrahydrofuran

Concen: 107.109 ug/l

RT: 7.344 min Scan# 907

Delta R.T. -0.006 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY1128SBS01

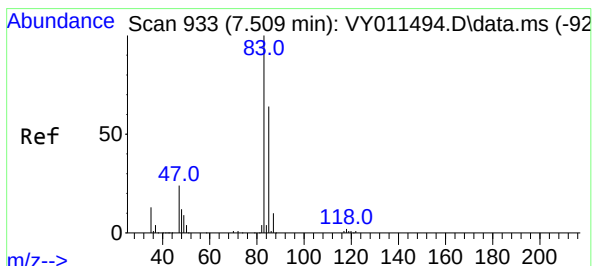
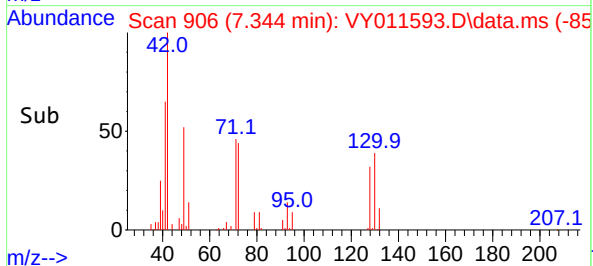
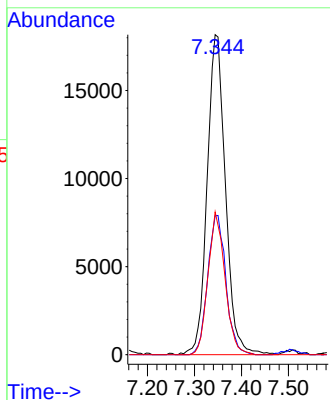
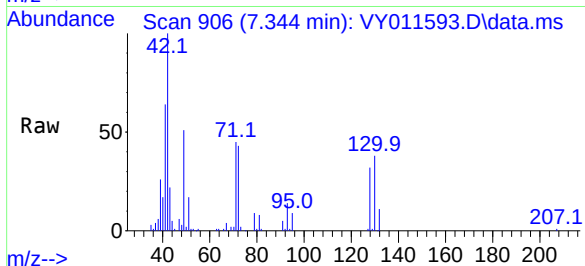
Tgt Ion: 42 Resp: 49103

Ion Ratio Lower Upper

42 100

72 43.3 30.3 45.5

71 41.6 29.0 43.4



#30

Chloroform

Concen: 21.171 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.007 min

Lab File: VY011593.D

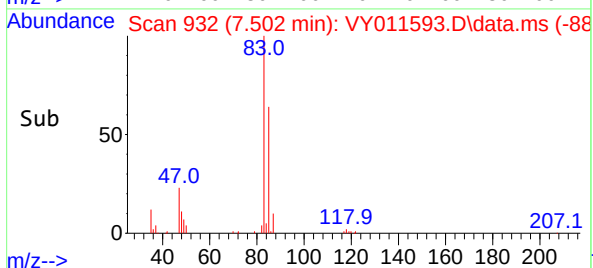
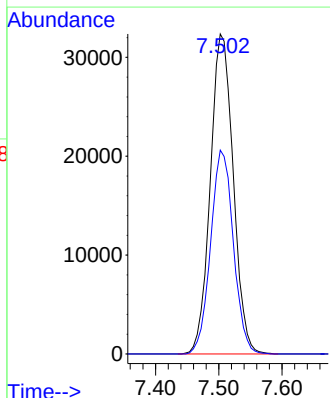
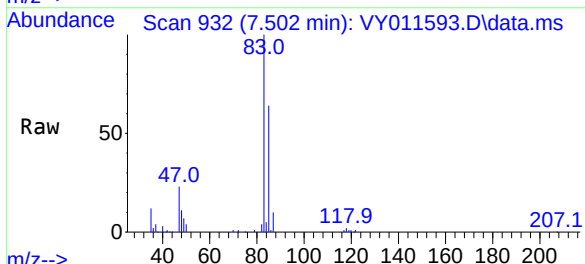
Acq: 28 Nov 2022 11:14

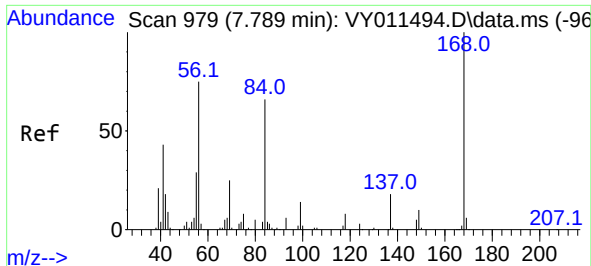
Tgt Ion: 83 Resp: 81296

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6

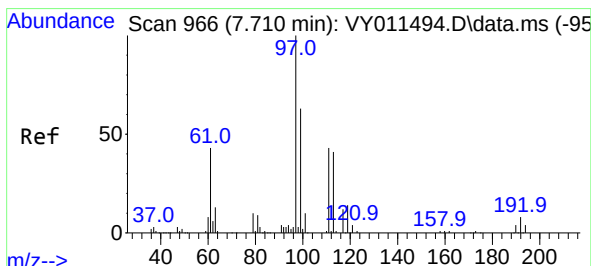
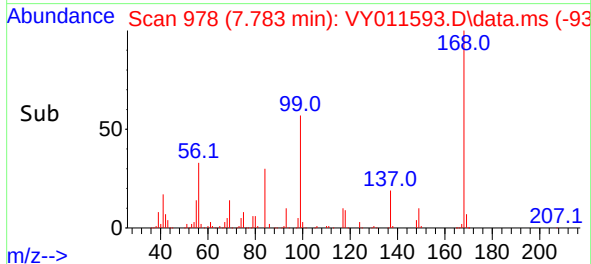
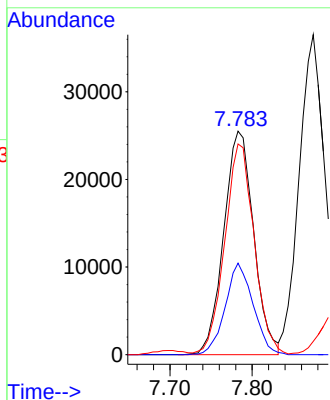
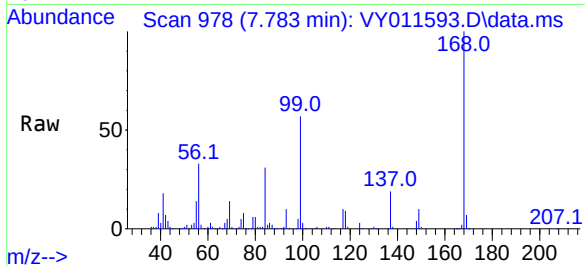




#31  
Cyclohexane  
Concen: 20.474 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

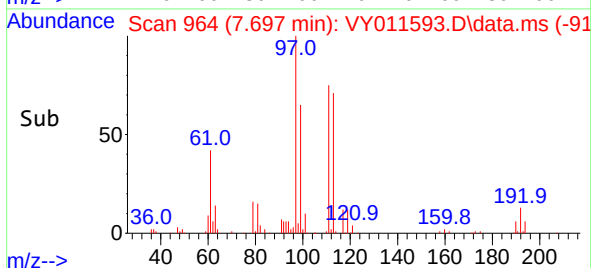
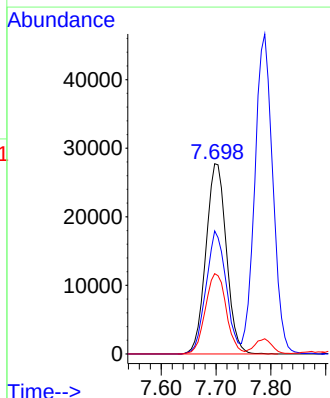
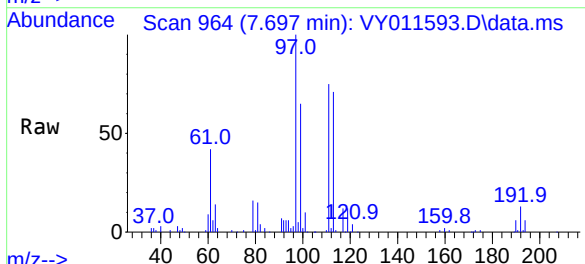
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

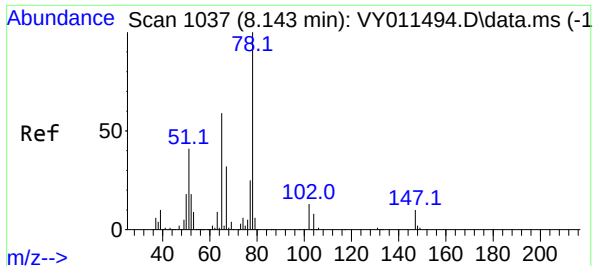
Tgt Ion: 56 Resp: 64535  
Ion Ratio Lower Upper  
56 100  
69 41.0 26.7 40.1#  
84 92.8 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 20.892 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. -0.013 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 97 Resp: 71768  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.7 76.1  
61 43.3 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 51.382 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

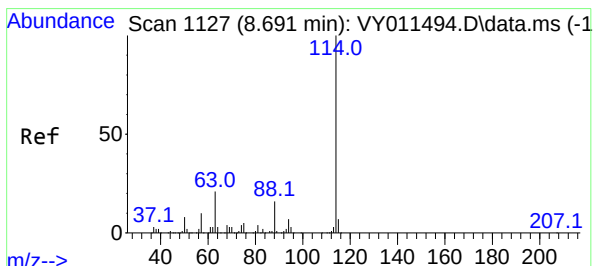
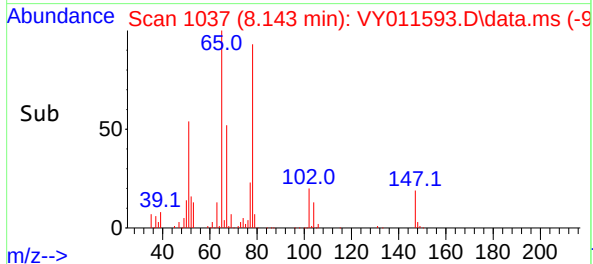
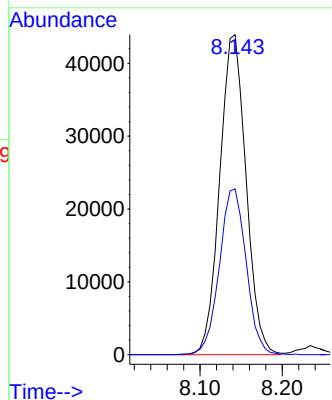
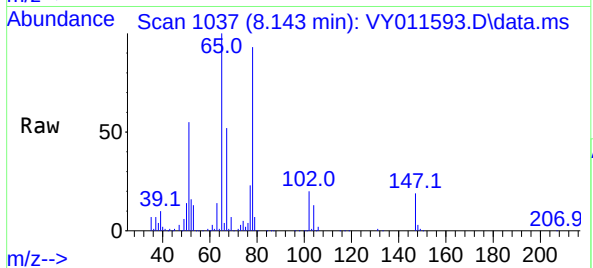
VY1128SBS01

Tgt Ion: 65 Resp: 97710

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

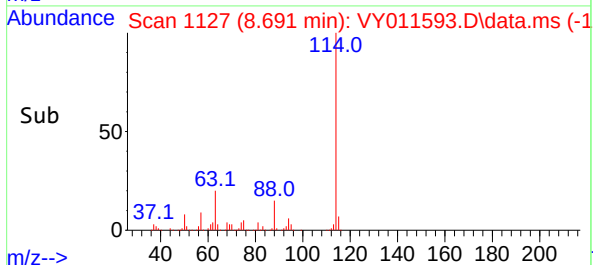
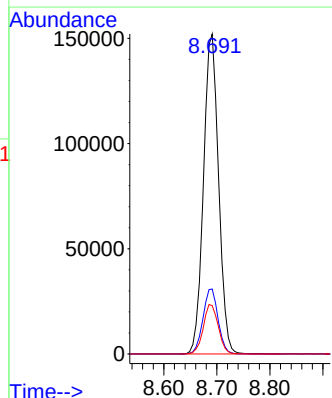
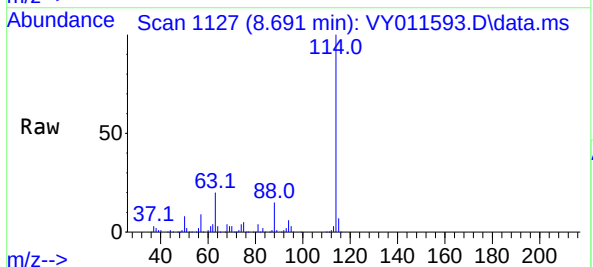
Tgt Ion: 114 Resp: 300585

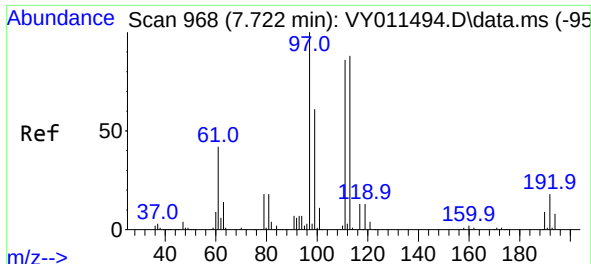
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 15.1 0.0 31.8

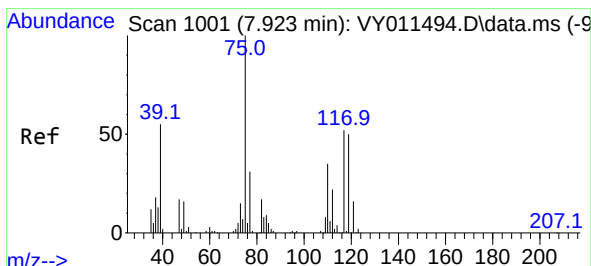
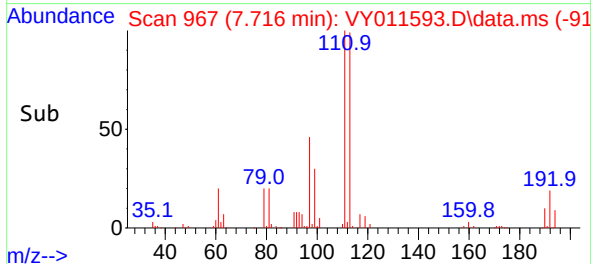
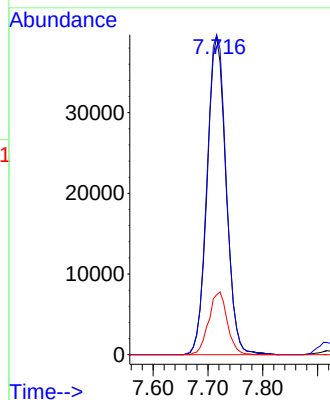
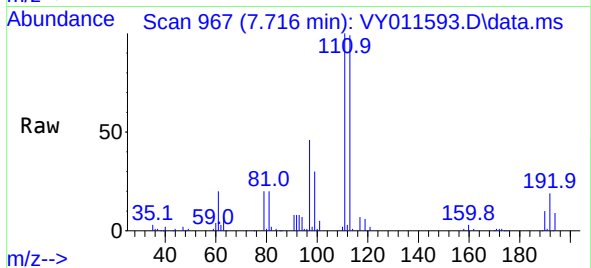




#35  
Dibromofluoromethane  
Concen: 50.744 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

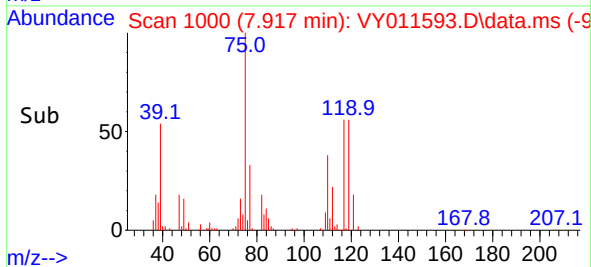
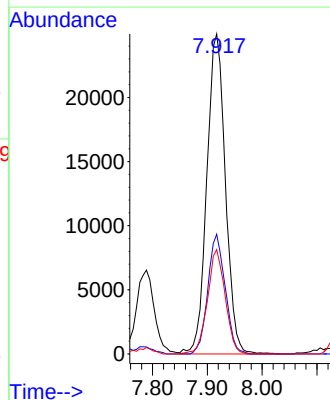
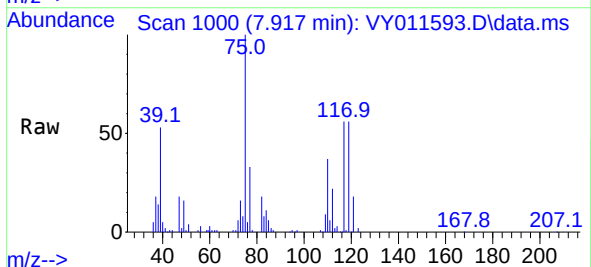
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

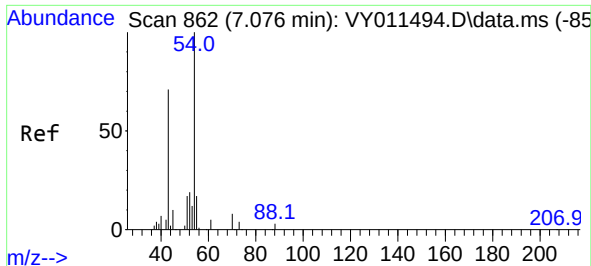
Tgt Ion:113 Resp: 93896  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 19.4 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 20.271 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 75 Resp: 58632  
Ion Ratio Lower Upper  
75 100  
110 35.0 17.1 51.2  
77 31.0 24.4 36.6

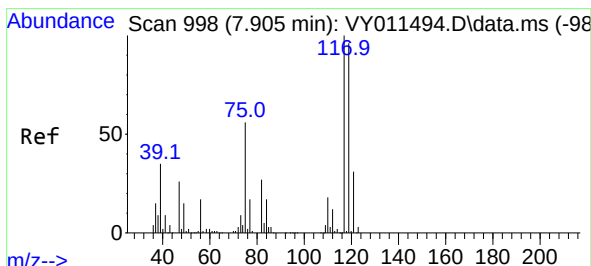
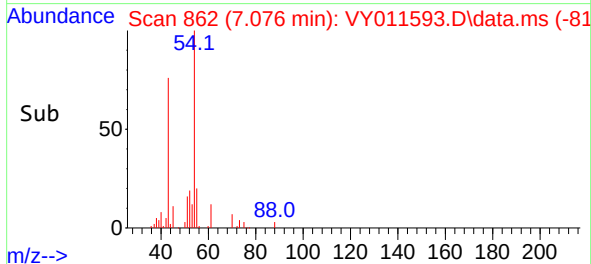
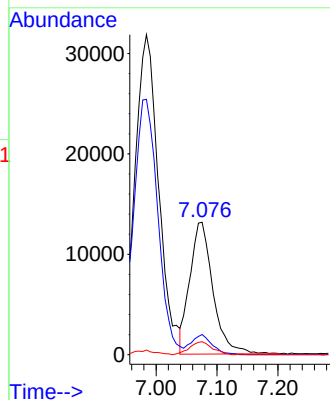
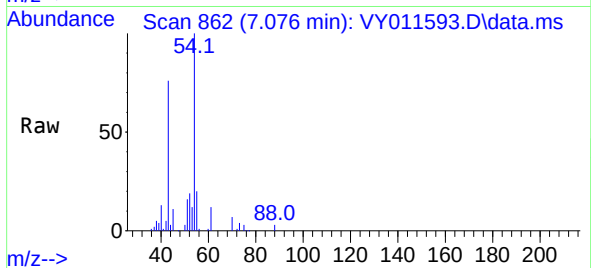




#37  
Ethyl Acetate  
Concen: 21.053 ug/l  
RT: 7.076 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

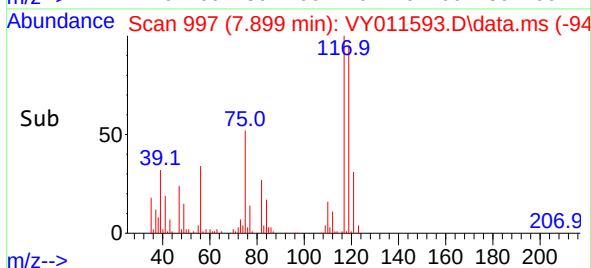
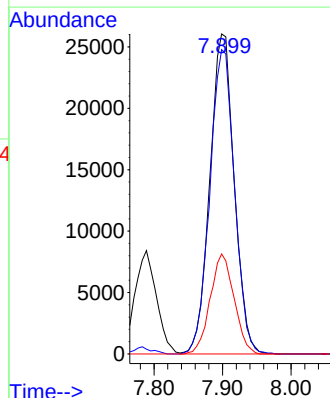
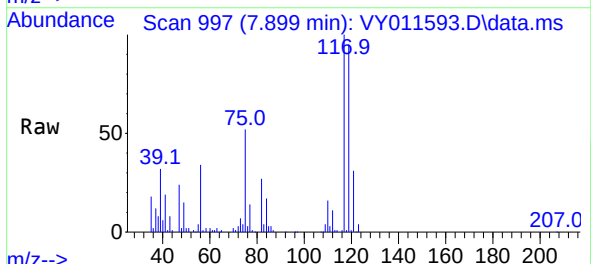
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

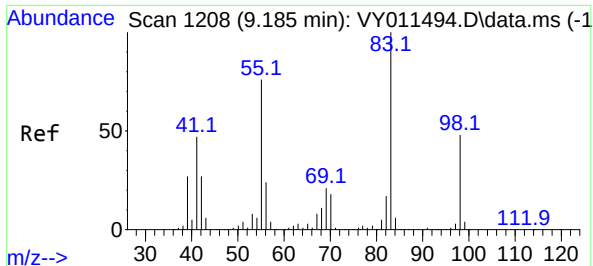
Tgt Ion: 43 Resp: 34675  
Ion Ratio Lower Upper  
43 100  
61 13.6 9.7 14.5  
70 9.5 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 19.883 ug/l  
RT: 7.899 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 117 Resp: 64341  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.9 116.9  
121 31.2 24.8 37.2





#39

Methylcyclohexane

Concen: 20.576 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY1128SBS01

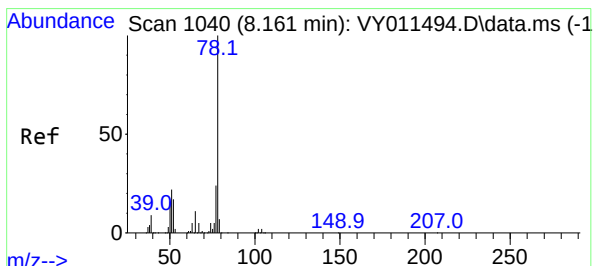
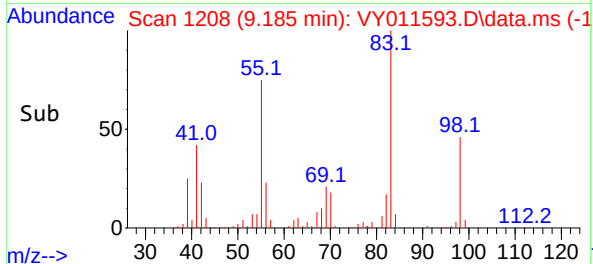
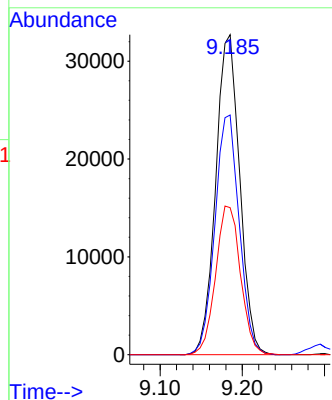
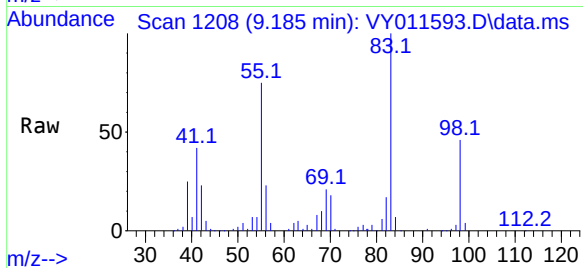
Tgt Ion: 83 Resp: 66416

Ion Ratio Lower Upper

83 100

55 74.9 66.5 99.7

98 46.0 37.9 56.9



#40

Benzene

Concen: 20.450 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY011593.D

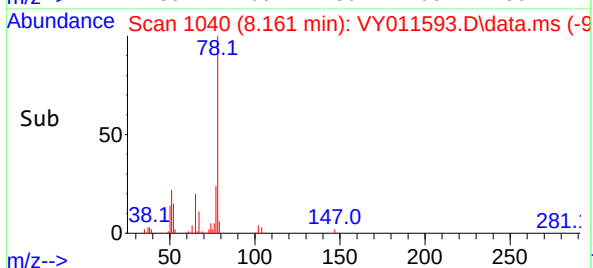
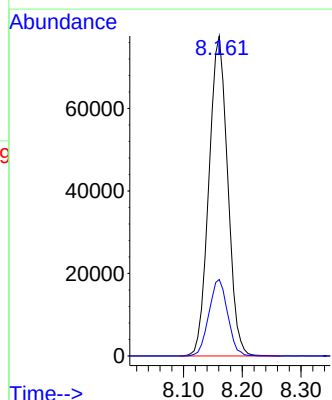
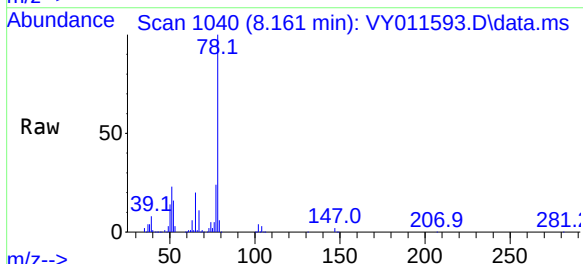
Acq: 28 Nov 2022 11:14

Tgt Ion: 78 Resp: 172301

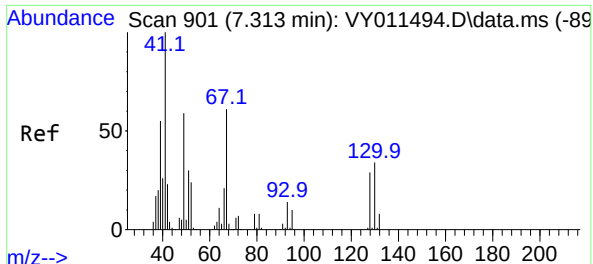
Ion Ratio Lower Upper

78 100

77 23.9 20.4 30.6



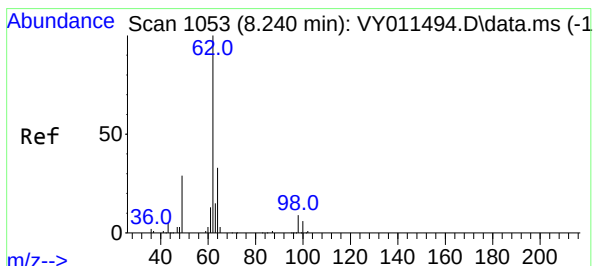
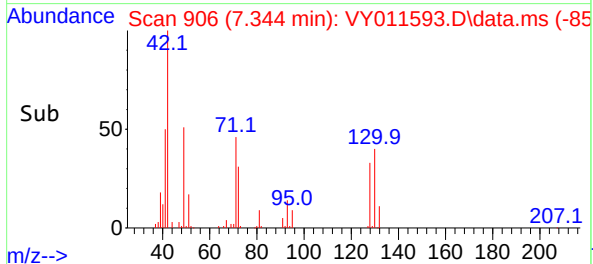
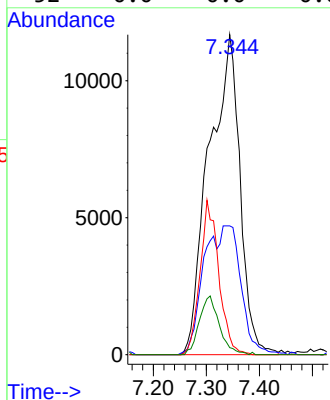
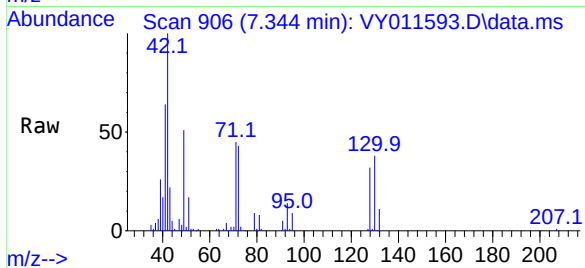




#41  
Methacrylonitrile  
Concen: 56.747 ug/l  
RT: 7.344 min Scan# 901  
Delta R.T. 0.031 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

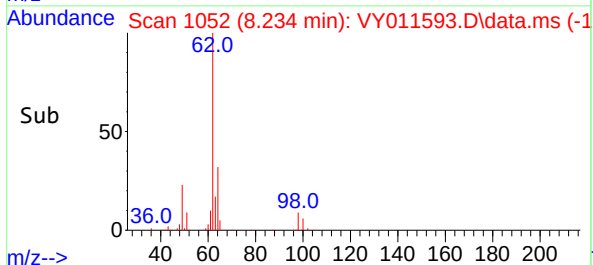
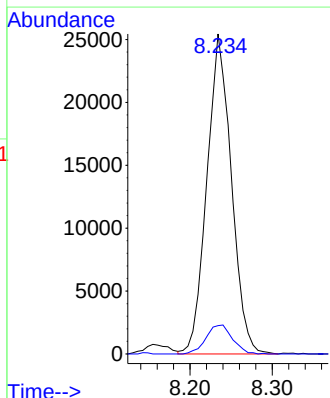
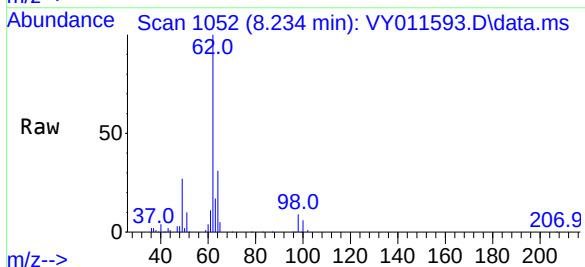
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

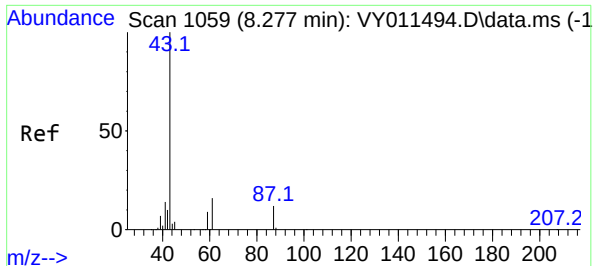
Tgt Ion: 41 Resp: 47256  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 20.224 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 62 Resp: 52697  
Ion Ratio Lower Upper  
62 100  
98 9.8 0.0 14.8

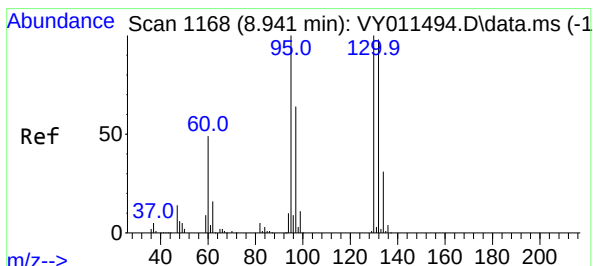
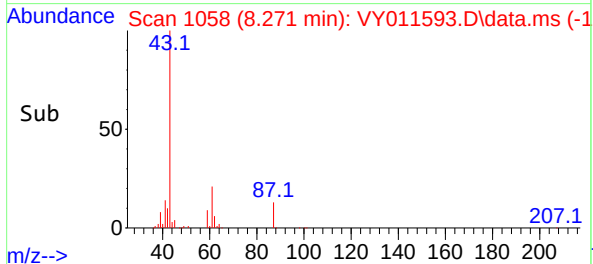
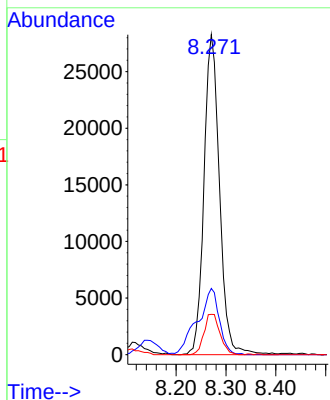
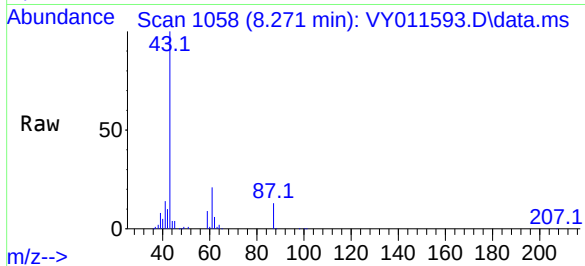




#43  
Isopropyl Acetate  
Concen: 20.549 ug/l  
RT: 8.271 min Scan# 1059  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

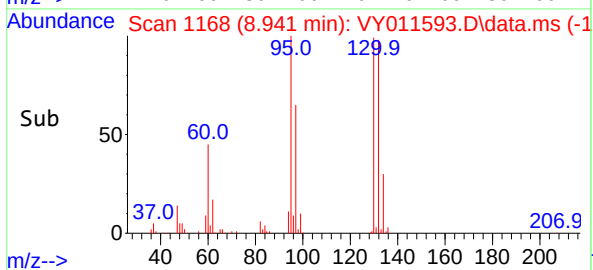
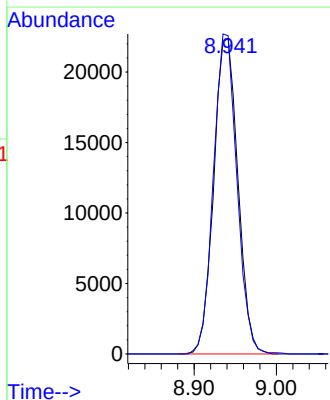
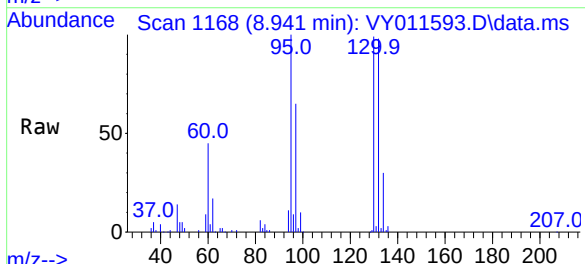
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

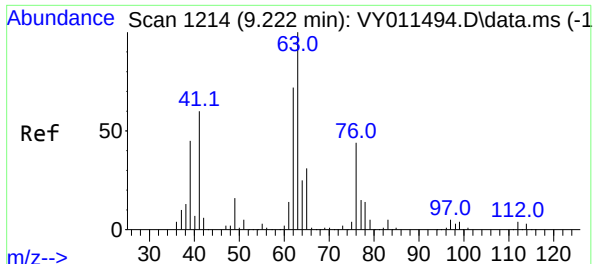
Tgt Ion: 43 Resp: 61054  
Ion Ratio Lower Upper  
43 100  
61 29.0 20.2 30.2  
87 12.9 8.9 13.3



#44  
Trichloroethene  
Concen: 20.136 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 130 Resp: 45646  
Ion Ratio Lower Upper  
130 100  
95 101.0 0.0 188.2

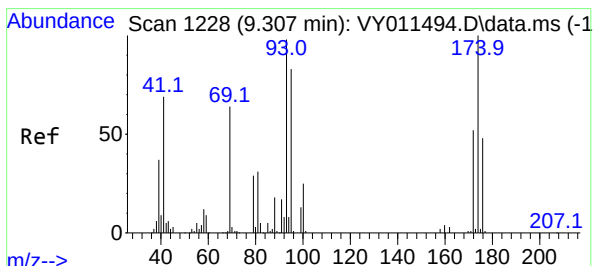
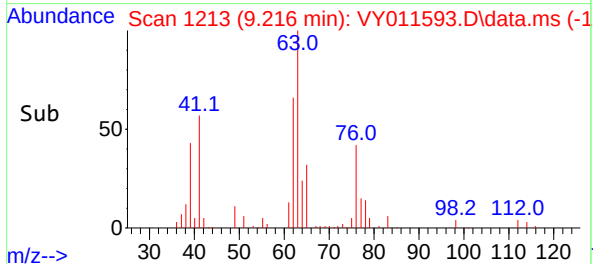
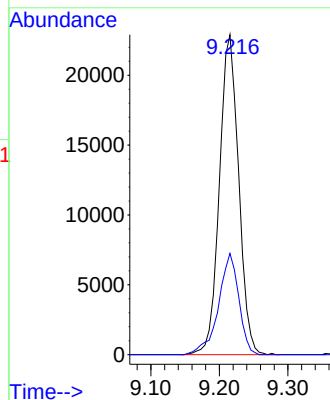
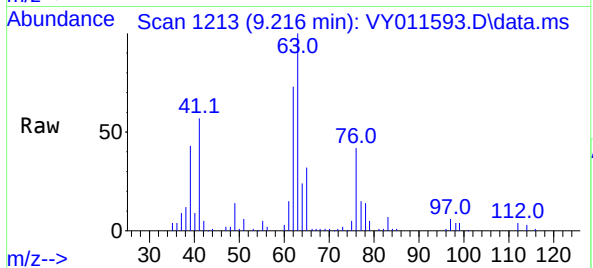




#45  
1,2-Dichloropropane  
Concen: 20.680 ug/l  
RT: 9.216 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

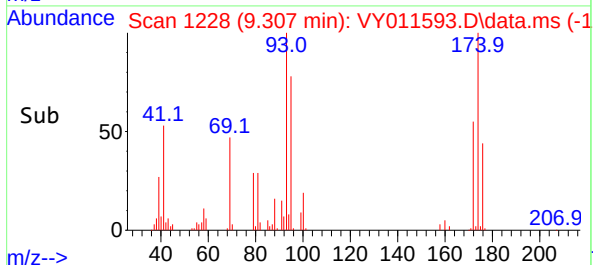
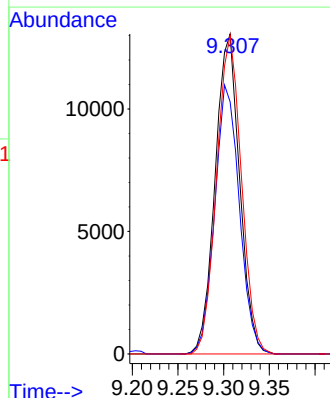
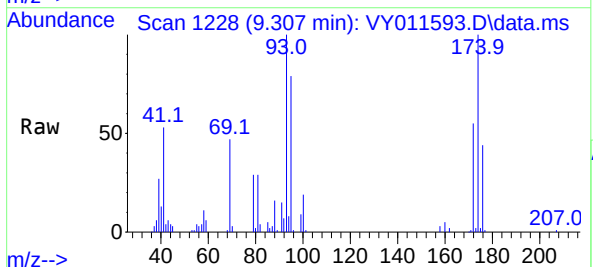
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

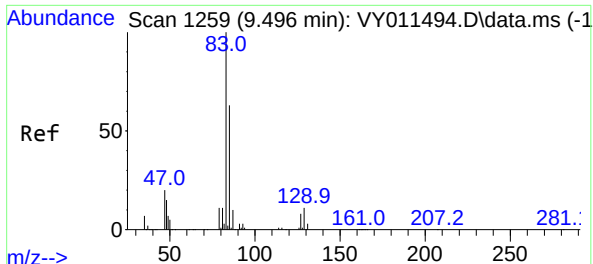
Tgt Ion: 63 Resp: 44536  
Ion Ratio Lower Upper  
63 100  
65 31.7 23.0 34.6



#46  
Dibromomethane  
Concen: 20.216 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 93 Resp: 24343  
Ion Ratio Lower Upper  
93 100  
95 84.6 64.3 96.5  
174 100.7 83.4 125.0

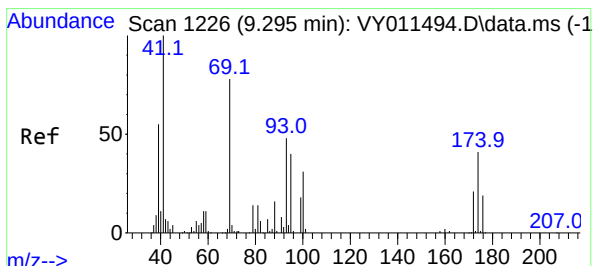
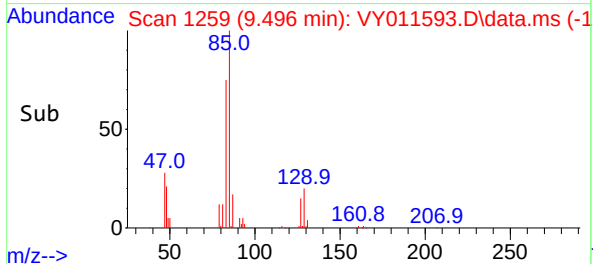
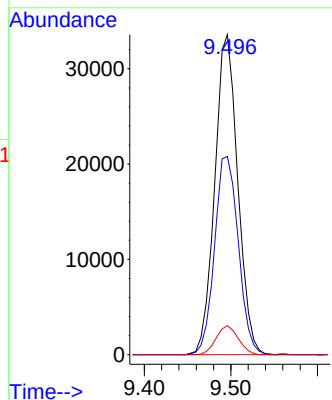
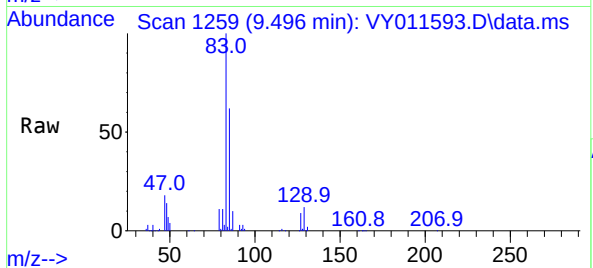




#47  
Bromodichloromethane  
Concen: 20.413 ug/l  
RT: 9.496 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

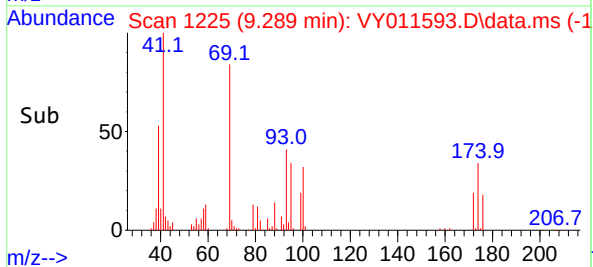
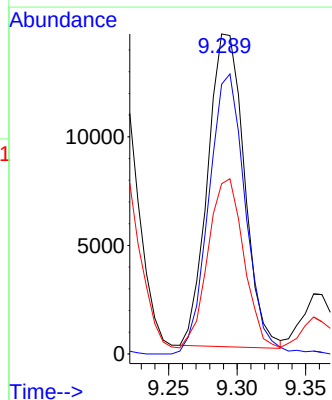
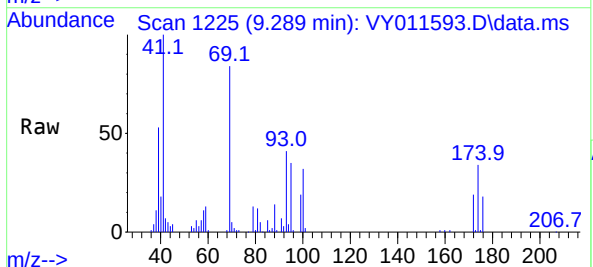
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

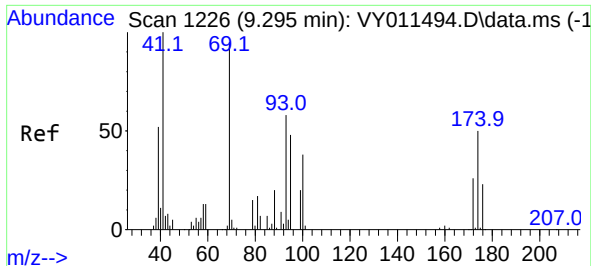
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 61914 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 62.0  | 51.9  | 77.9  |
| 127      | 9.0   | 6.6   | 10.0  |



#48  
Methyl methacrylate  
Concen: 20.258 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 26735 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 89.8  | 58.2  | 87.2# |
| 39       | 56.4  | 47.4  | 71.0  |

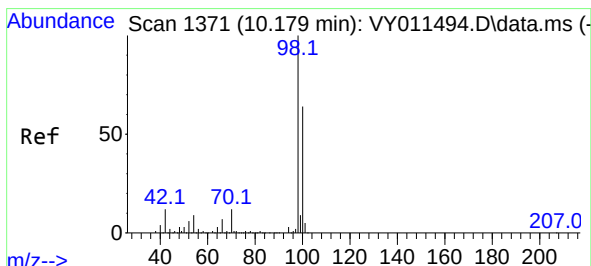
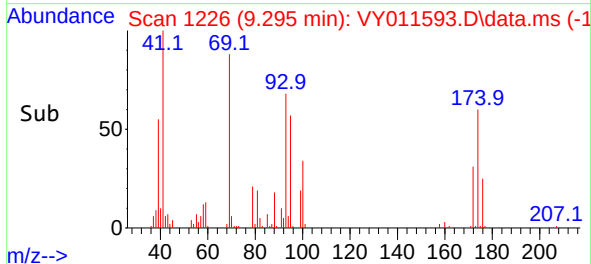
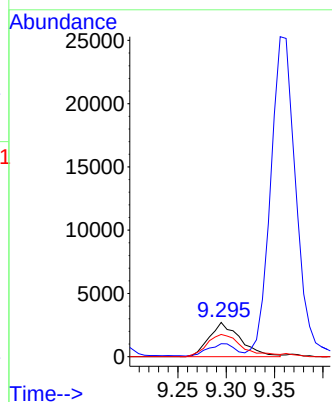
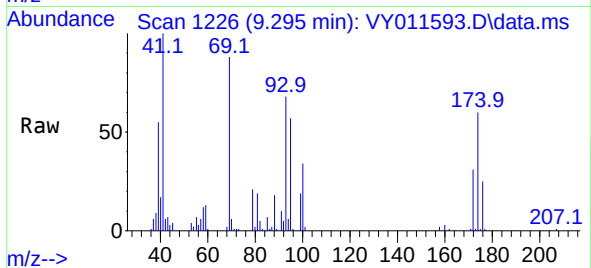




#49  
1,4-Dioxane  
Concen: 407.044 ug/l  
RT: 9.295 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

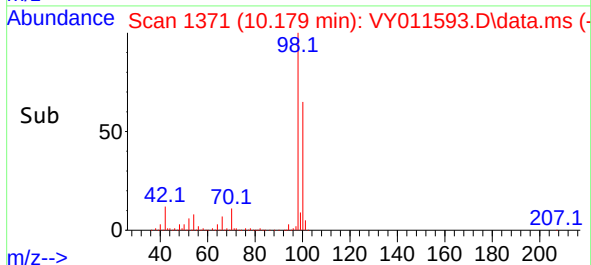
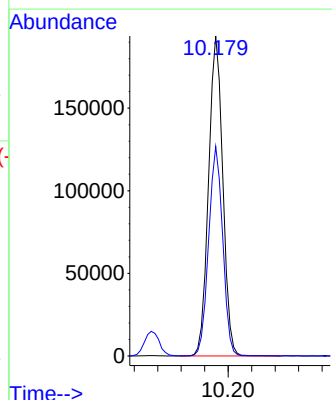
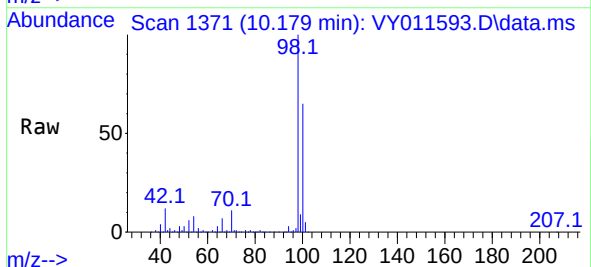
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

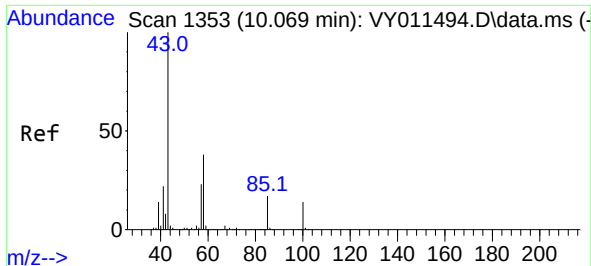
Tgt Ion: 88 Resp: 6070  
Ion Ratio Lower Upper  
88 100  
43 31.3 32.8 49.2#  
58 76.6 59.8 89.6



#50  
Toluene-d8  
Concen: 48.348 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 98 Resp: 325098  
Ion Ratio Lower Upper  
98 100  
100 64.6 50.2 75.2

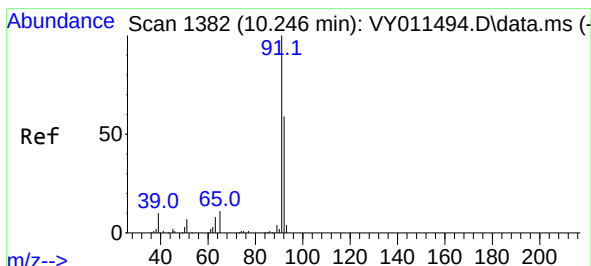
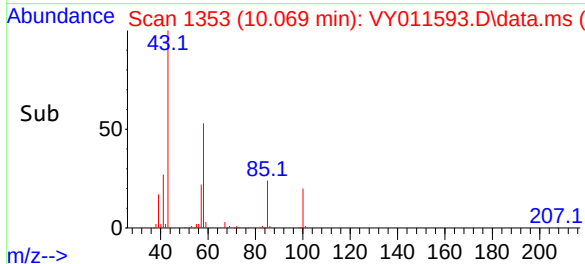
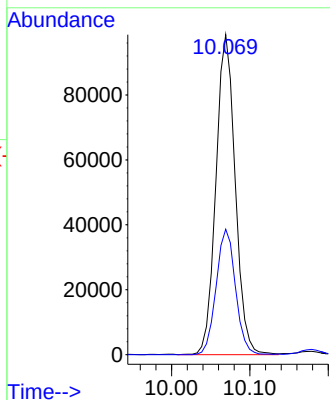
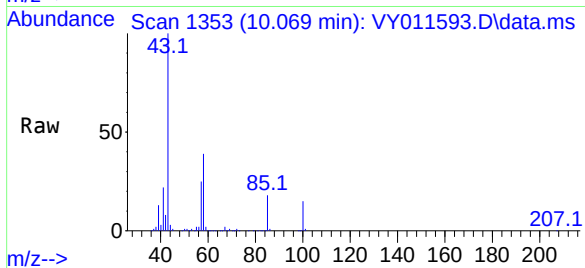




#51  
4-Methyl-2-Pentanone  
Concen: 102.330 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

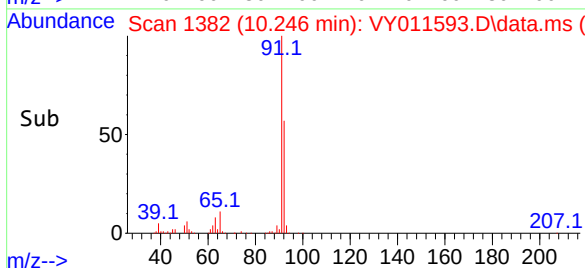
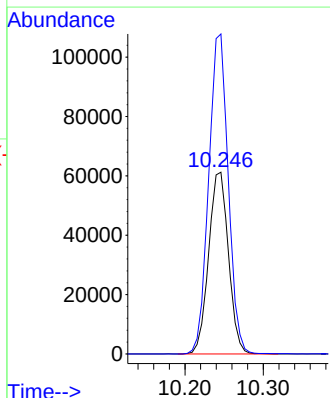
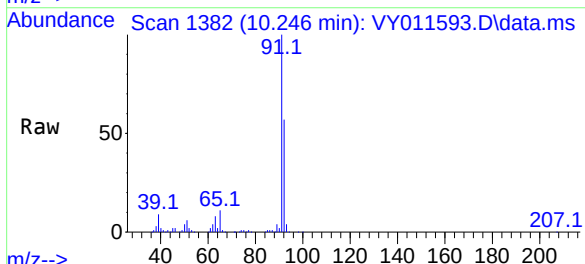
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

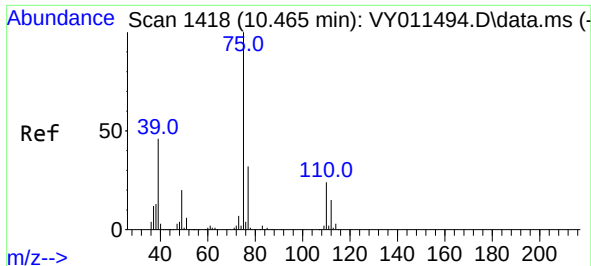
Tgt Ion: 43 Resp: 169018  
Ion Ratio Lower Upper  
43 100  
58 39.2 28.1 42.1



#52  
Toluene  
Concen: 20.175 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 92 Resp: 107494  
Ion Ratio Lower Upper  
92 100  
91 173.7 142.6 213.8

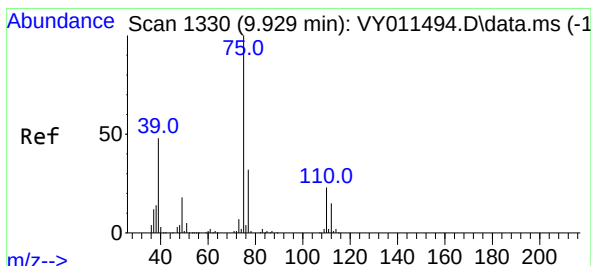
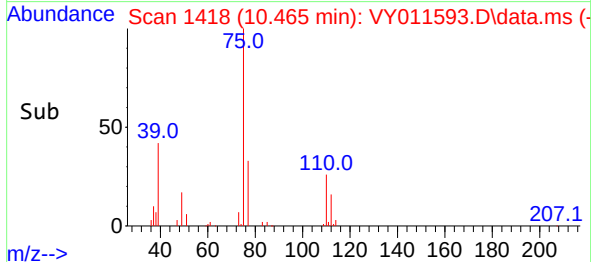
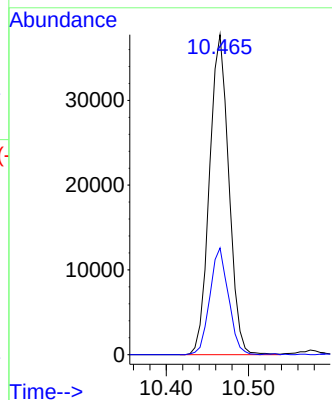
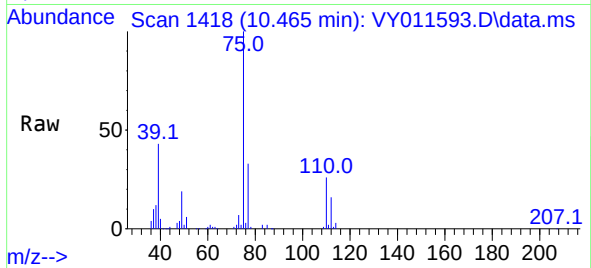




#53  
t-1,3-Dichloropropene  
Concen: 20.362 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

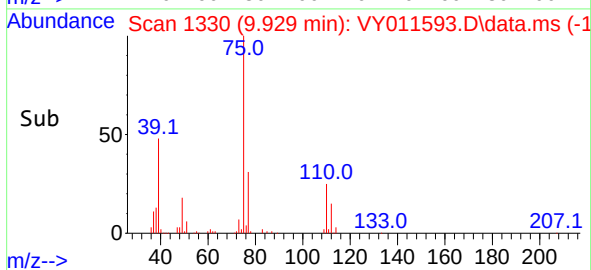
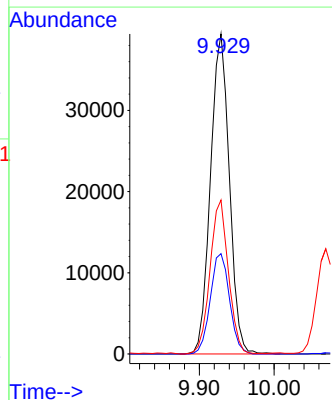
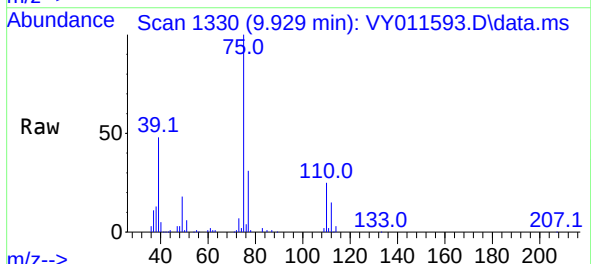
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

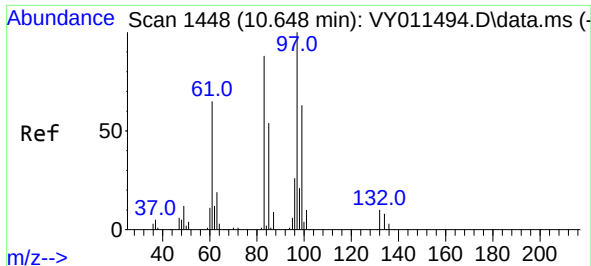
Tgt Ion: 75 Resp: 61735  
Ion Ratio Lower Upper  
75 100  
77 33.3 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 20.196 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 75 Resp: 68884  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4  
39 48.1 47.6 71.4



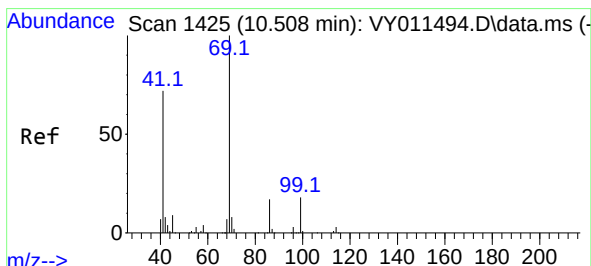
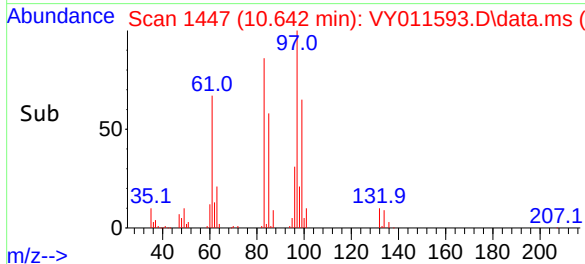
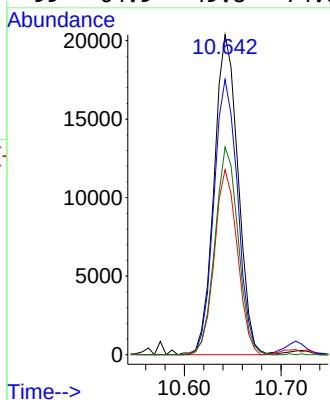
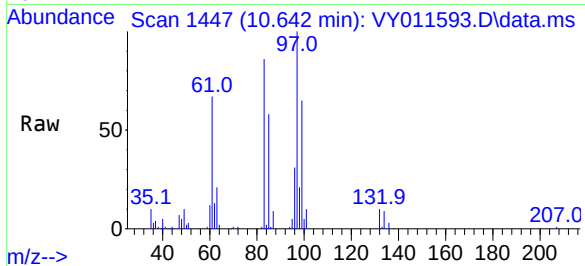


#55  
1,1,2-Trichloroethane  
Concen: 20.323 ug/l  
RT: 10.642 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

Tgt Ion: 97 Resp: 35011

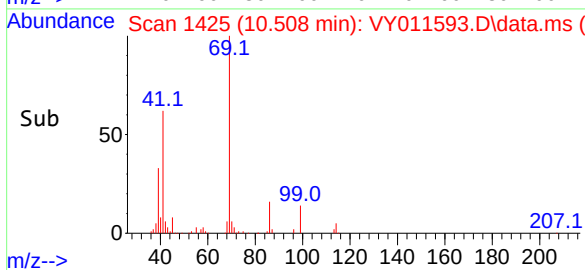
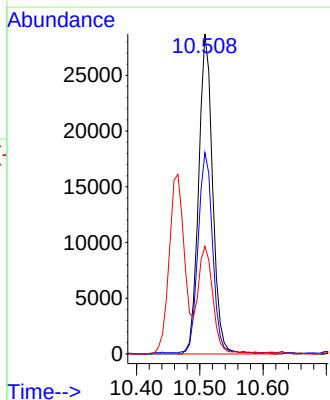
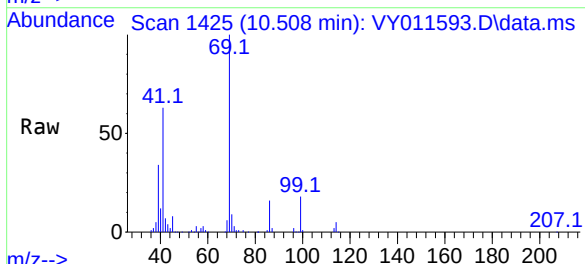
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.0  | 69.8  | 104.8 |
| 85  | 57.8  | 44.3  | 66.5  |
| 99  | 64.9  | 49.8  | 74.6  |



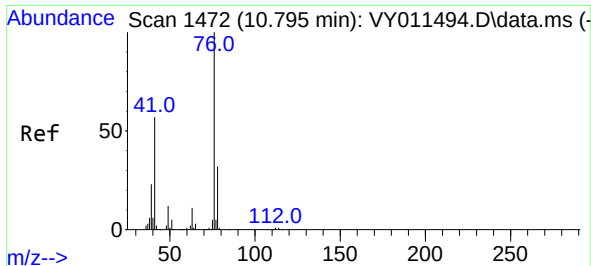
#56  
Ethyl methacrylate  
Concen: 20.758 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 69 Resp: 44475

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 64.6  | 63.4  | 95.0  |
| 39  | 33.6  | 35.8  | 53.8  |







#57

1,3-Dichloropropane

Concen: 20.544 ug/l

RT: 10.788 min Scan# 1472

Delta R.T. -0.007 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

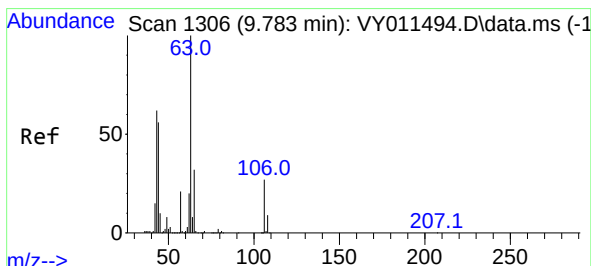
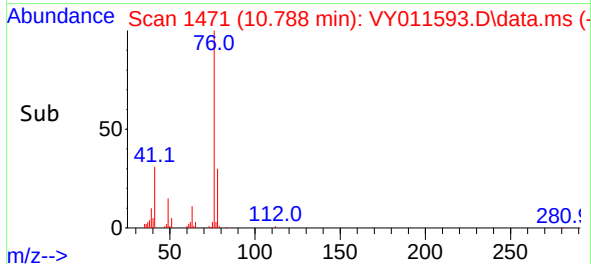
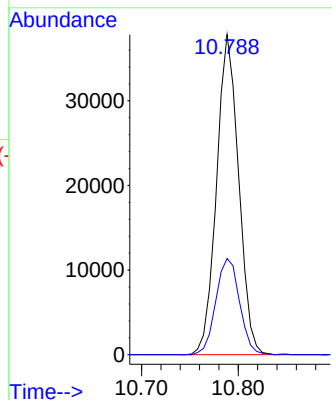
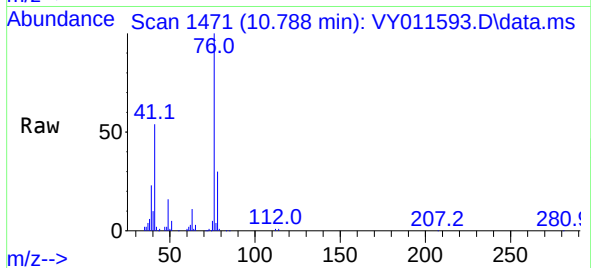
VY1128SBSD01

Tgt Ion: 76 Resp: 59940

Ion Ratio Lower Upper

76 100

78 32.2 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 105.276 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.001 min

Lab File: VY011593.D

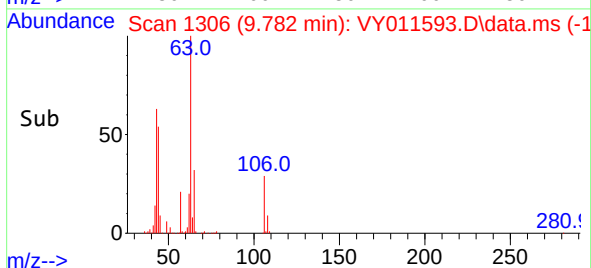
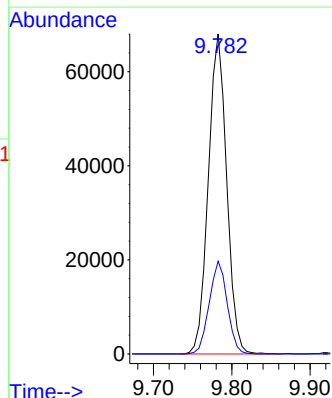
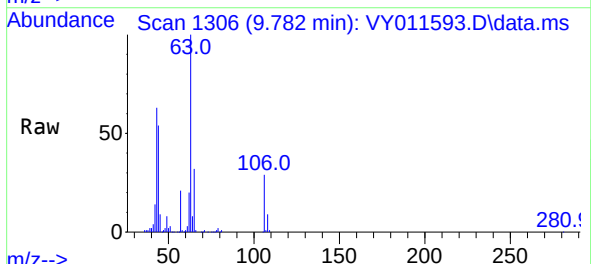
Acq: 28 Nov 2022 11:14

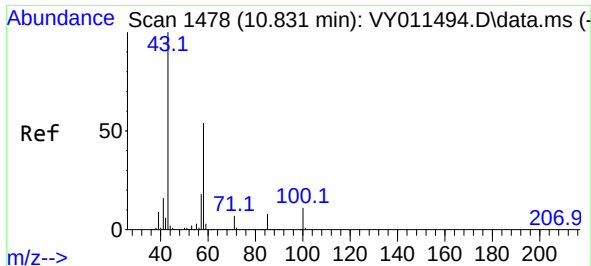
Tgt Ion: 63 Resp: 110470

Ion Ratio Lower Upper

63 100

106 28.4 21.5 32.3

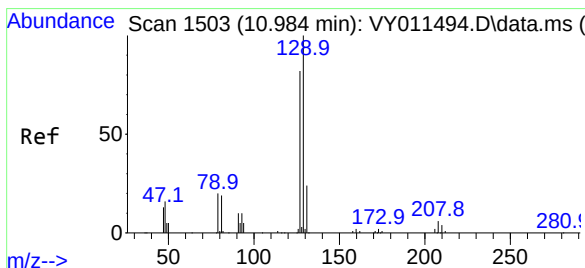
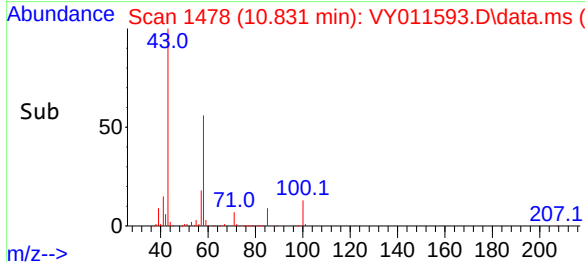
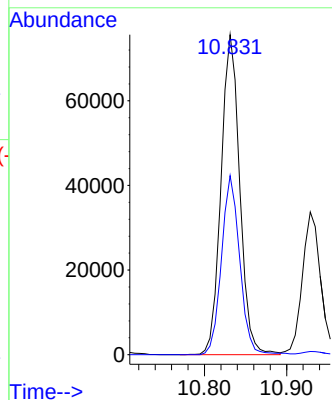
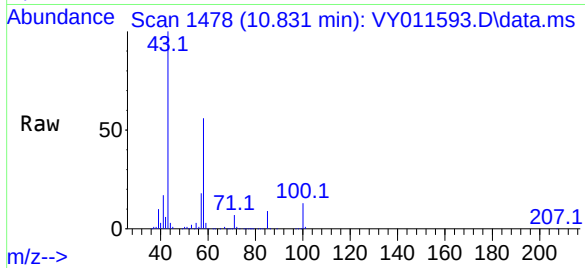




#59  
2-Hexanone  
Concen: 101.463 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

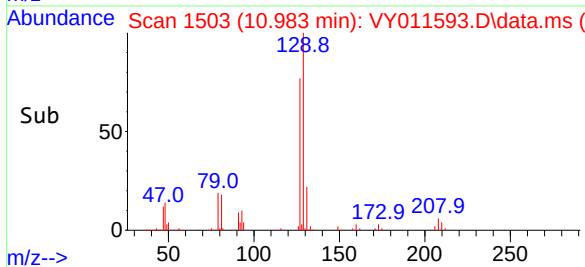
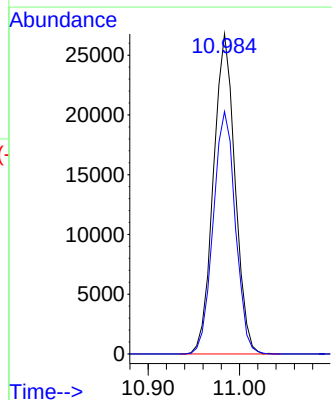
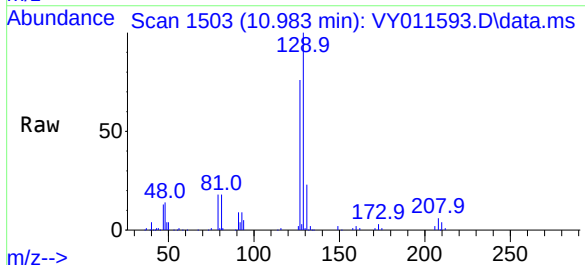
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

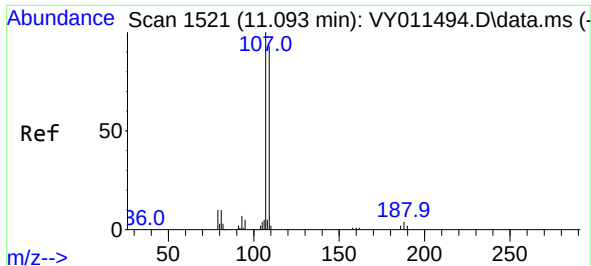
Tgt Ion: 43 Resp: 119609  
Ion Ratio Lower Upper  
43 100  
58 54.7 24.4 73.4



#60  
Dibromochloromethane  
Concen: 20.857 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 129 Resp: 44034  
Ion Ratio Lower Upper  
129 100  
127 77.4 38.7 116.1

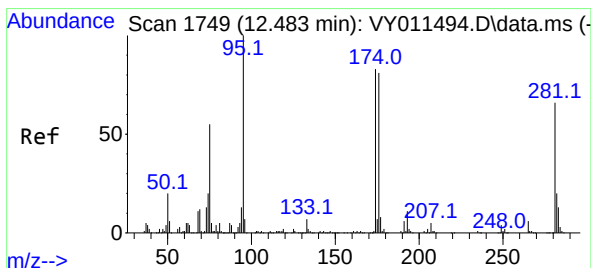
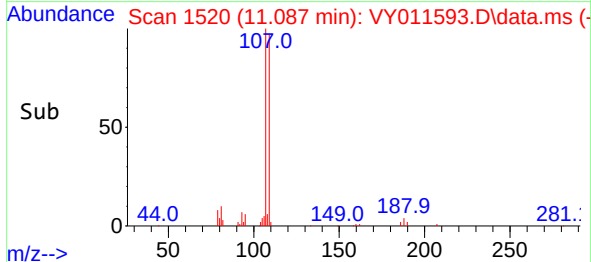
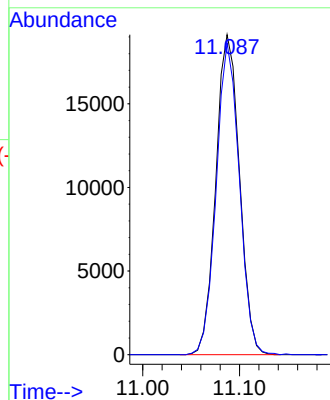
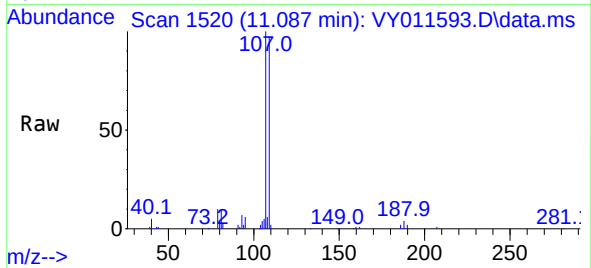




#61  
1,2-Dibromoethane  
Concen: 20.628 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

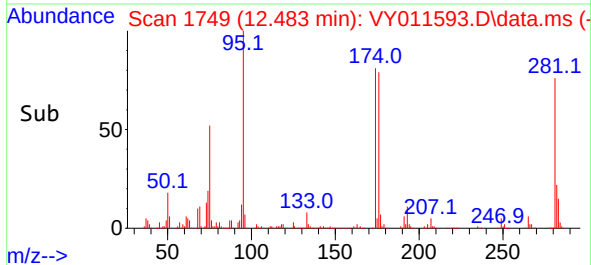
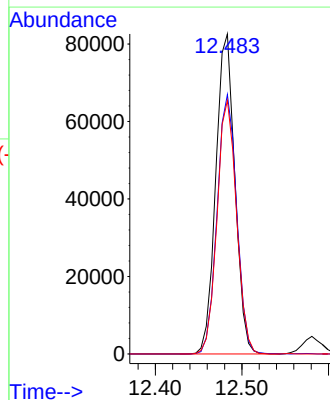
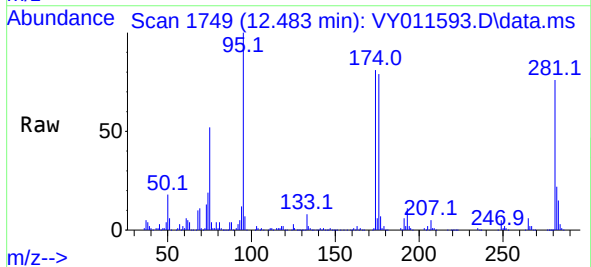
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

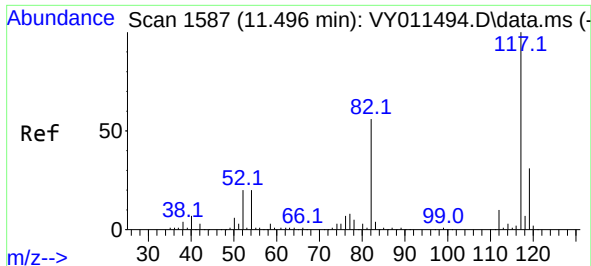
Tgt Ion:107 Resp: 32437  
Ion Ratio Lower Upper  
107 100  
109 95.3 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 50.826 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 95 Resp: 126358  
Ion Ratio Lower Upper  
95 100  
174 83.0 0.0 177.0  
176 80.6 0.0 175.8

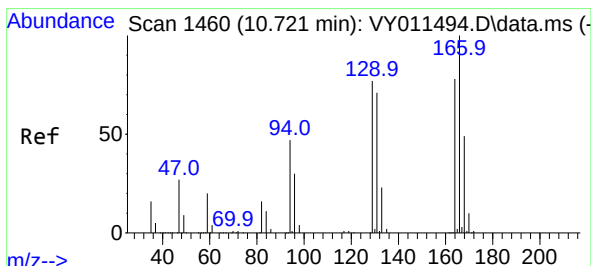
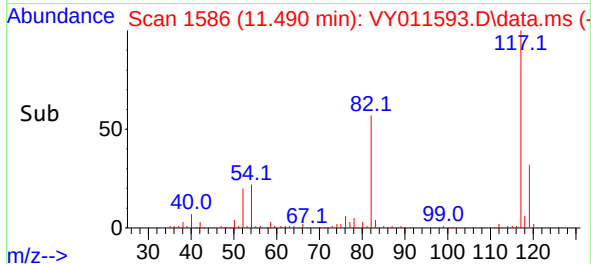
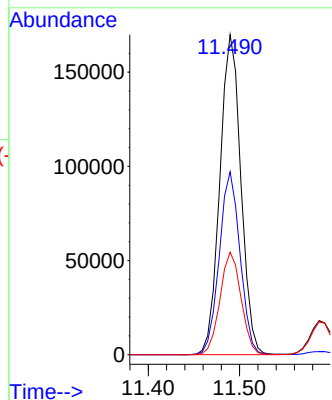
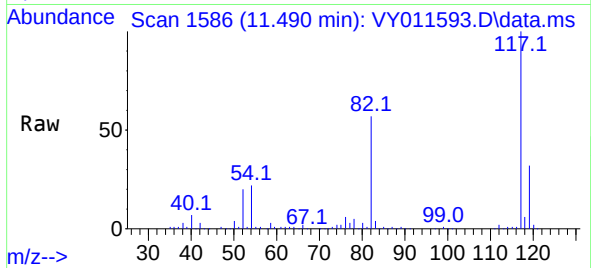




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

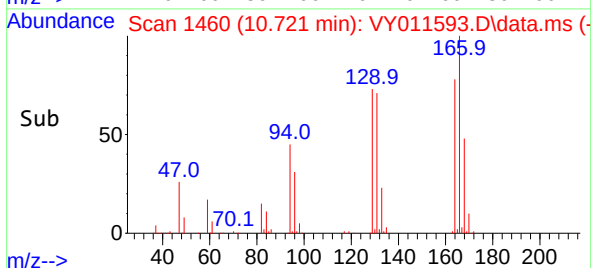
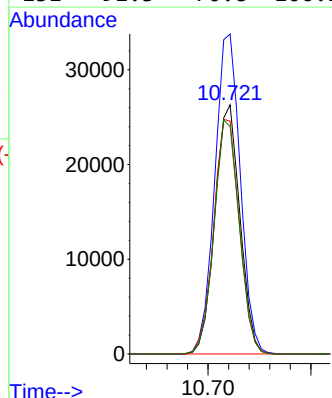
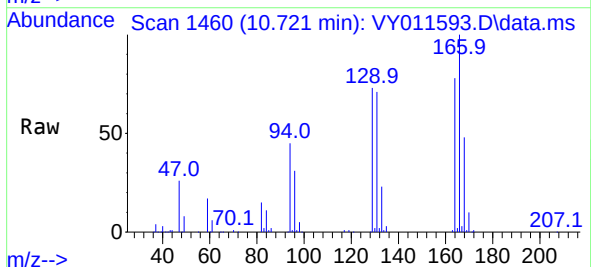
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

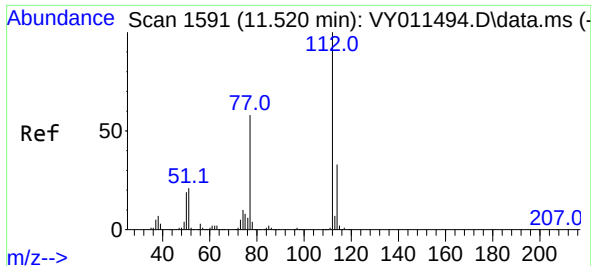
Tgt Ion:117 Resp: 271911  
Ion Ratio Lower Upper  
117 100  
82 57.2 43.0 64.4  
119 32.0 25.4 38.0



#64  
Tetrachloroethene  
Concen: 19.830 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:164 Resp: 44433  
Ion Ratio Lower Upper  
164 100  
166 128.4 100.4 150.6  
129 93.4 71.4 107.0  
131 91.3 70.8 106.2

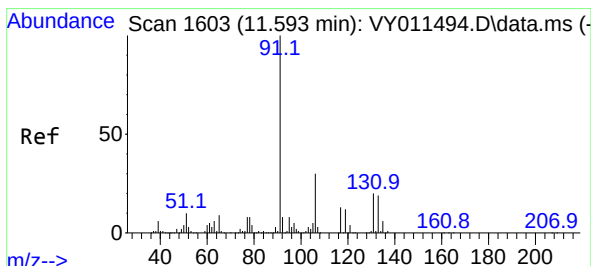
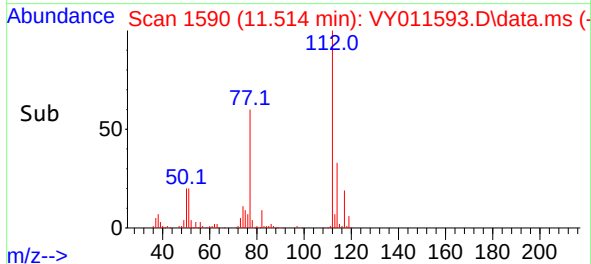
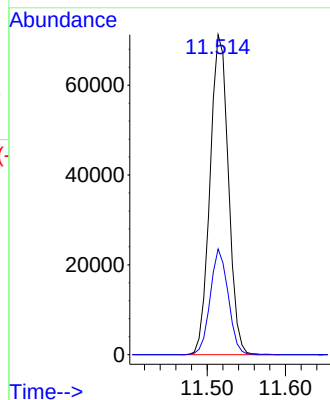
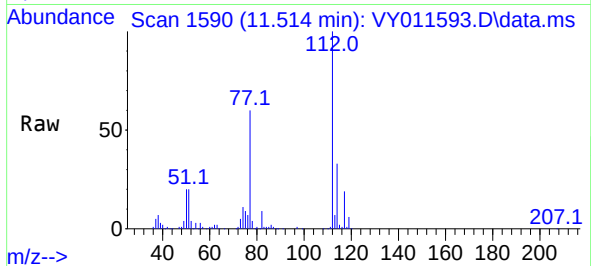




#65  
Chlorobenzene  
Concen: 20.360 ug/l  
RT: 11.514 min Scan# 115924  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

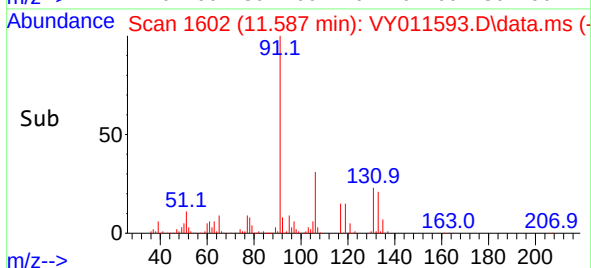
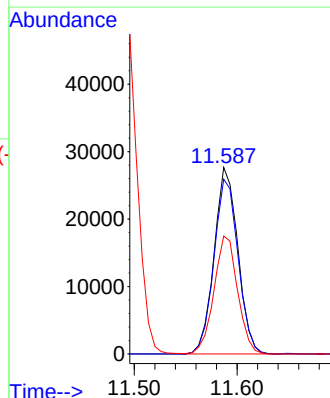
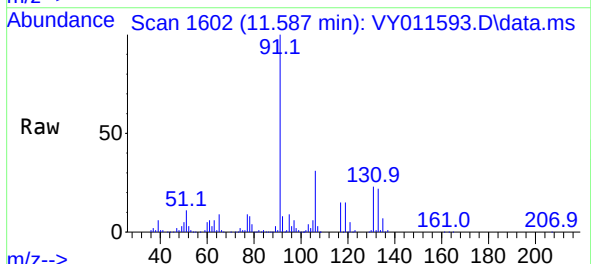
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

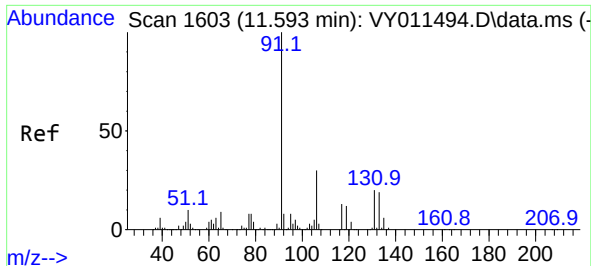
Tgt Ion:112 Resp: 115924  
Ion Ratio Lower Upper  
112 100  
114 33.1 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.524 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:131 Resp: 44292  
Ion Ratio Lower Upper  
131 100  
133 95.6 47.9 143.6  
119 63.1 30.8 92.3

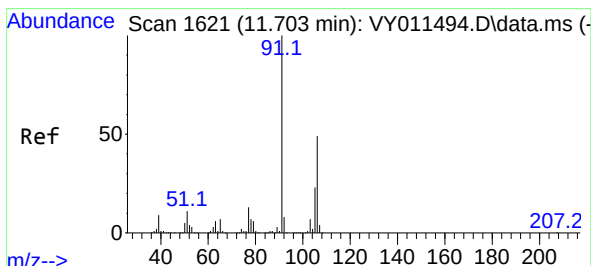
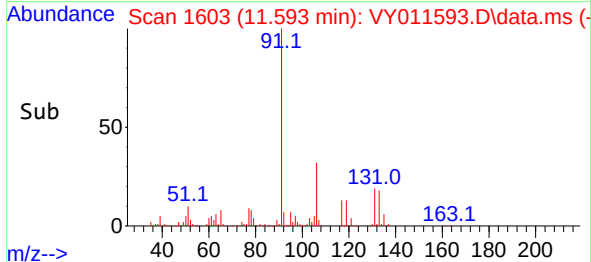
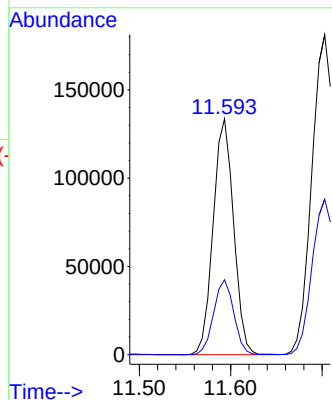
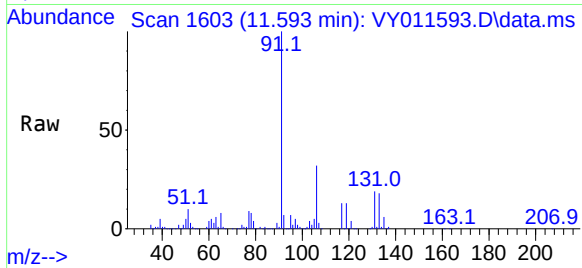




#67  
Ethyl Benzene  
Concen: 20.189 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

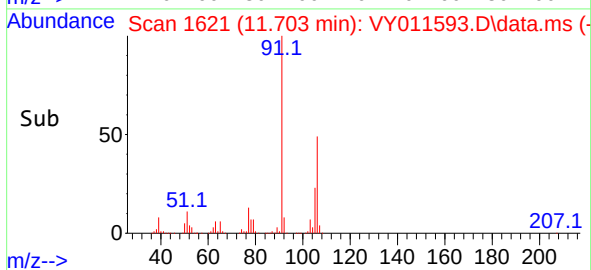
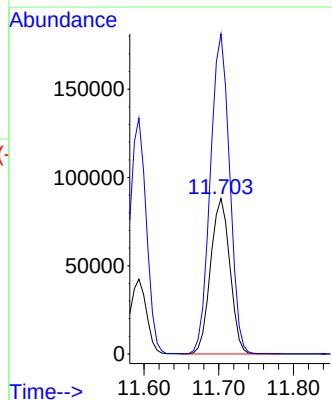
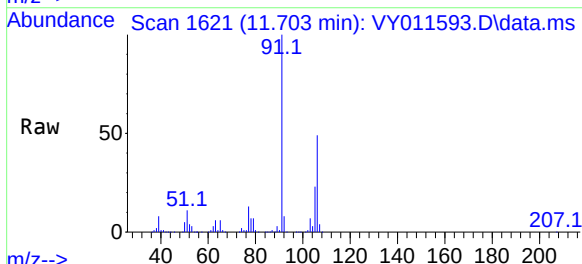
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

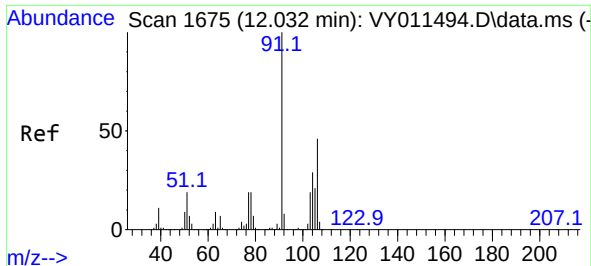
Tgt Ion: 91 Resp: 207561  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.5 36.7



#68  
m/p-Xylenes  
Concen: 40.471 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 106 Resp: 158384  
Ion Ratio Lower Upper  
106 100  
91 205.9 166.6 249.8

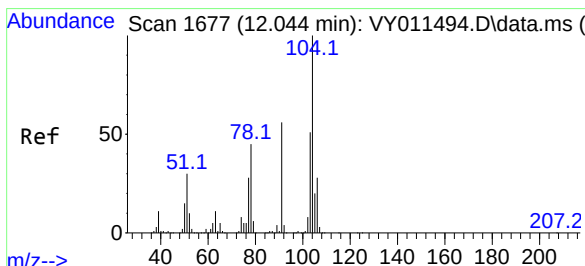
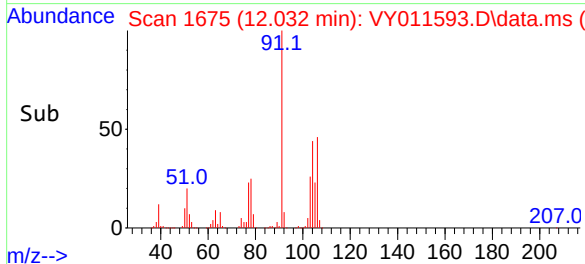
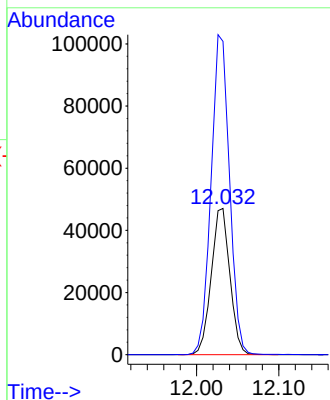
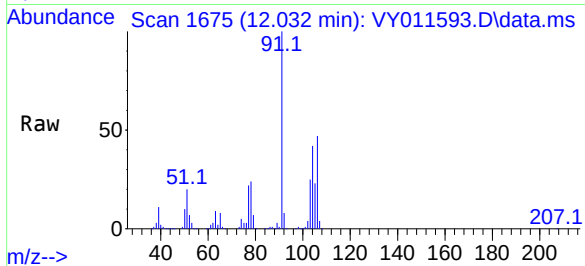




#69  
o-Xylene  
Concen: 20.351 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

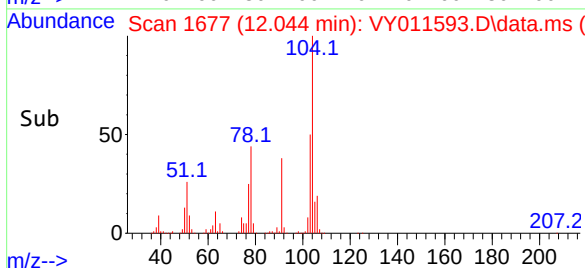
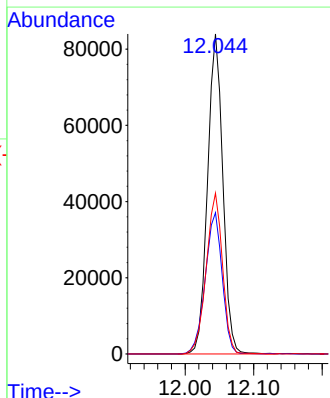
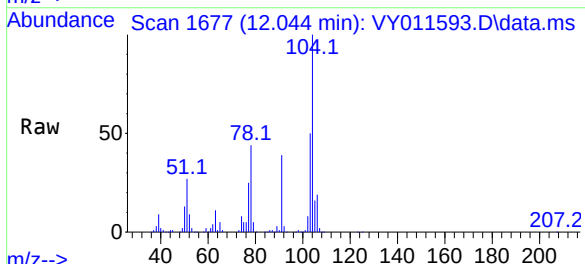
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

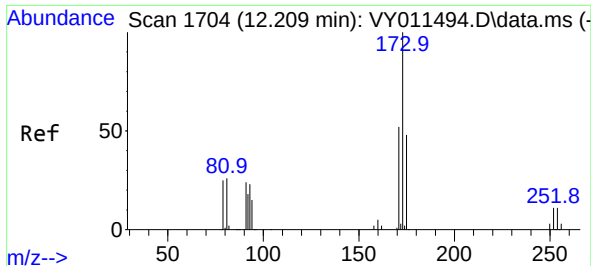
Tgt Ion:106 Resp: 74153  
Ion Ratio Lower Upper  
106 100  
91 216.5 110.3 331.0



#70  
Styrene  
Concen: 20.936 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:104 Resp: 130214  
Ion Ratio Lower Upper  
104 100  
78 49.1 42.4 63.6  
103 53.7 44.4 66.6

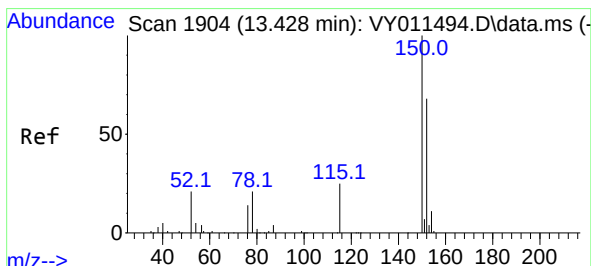
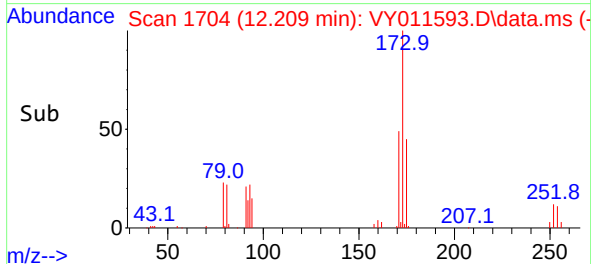
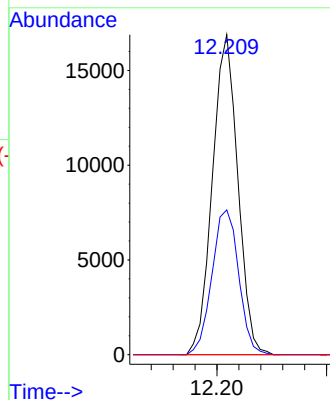
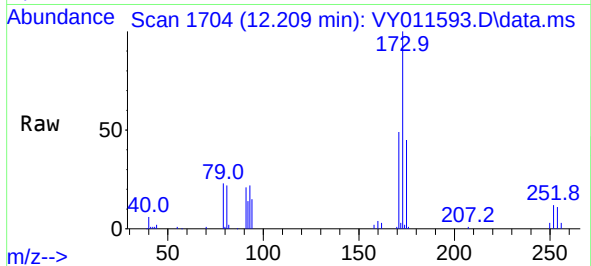




#71  
Bromoform  
Concen: 20.694 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

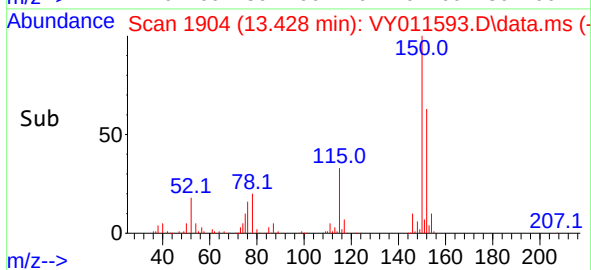
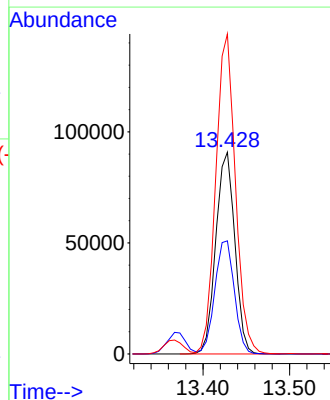
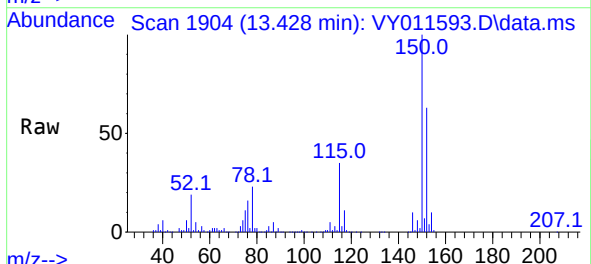
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

Tgt Ion:173 Resp: 27169  
Ion Ratio Lower Upper  
173 100  
175 47.7 24.6 74.0  
254 0.0 0.0 0.0

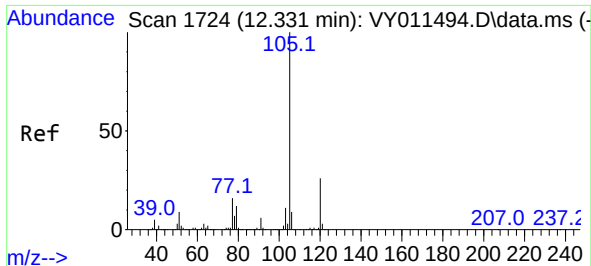


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:152 Resp: 138625  
Ion Ratio Lower Upper  
152 100  
115 57.8 28.2 84.7  
150 163.4 0.0 347.6



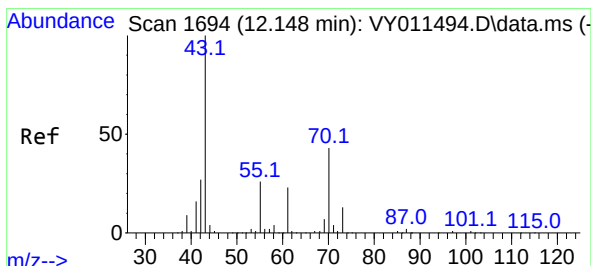
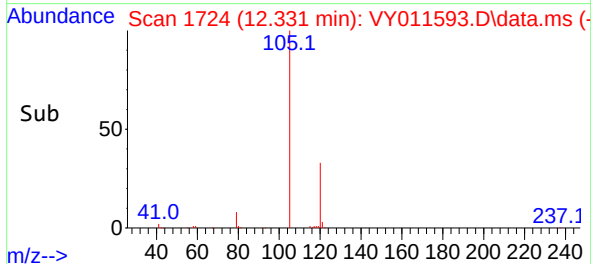
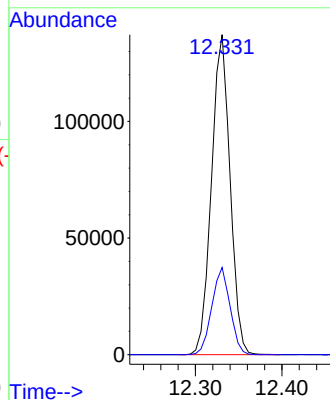
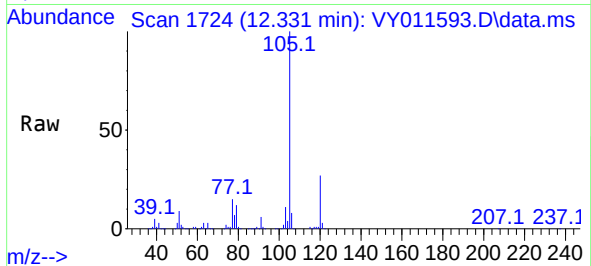




#73  
Isopropylbenzene  
Concen: 20.385 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

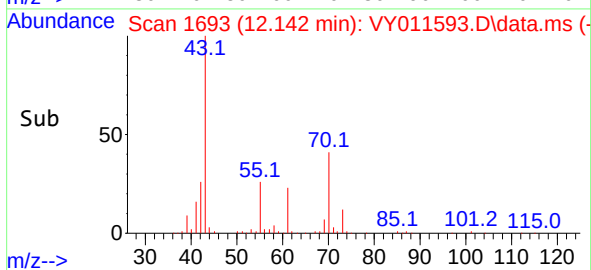
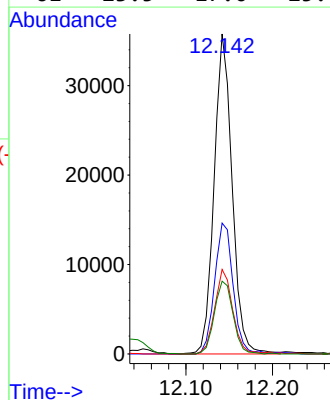
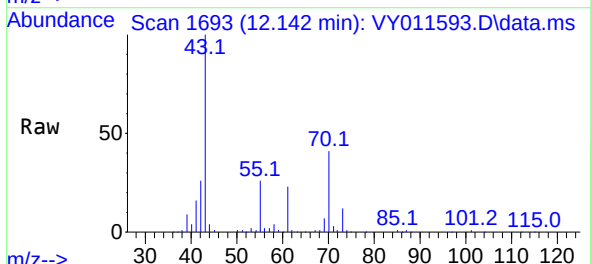
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

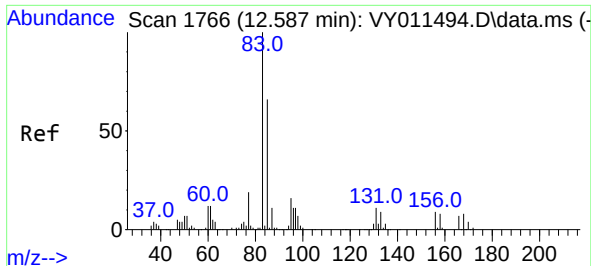
Tgt Ion:105 Resp: 204369  
Ion Ratio Lower Upper  
105 100  
120 26.7 13.4 40.2



#74  
N-ethyl acetate  
Concen: 20.885 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 43 Resp: 51708  
Ion Ratio Lower Upper  
43 100  
70 42.0 28.7 43.1  
55 26.9 17.3 25.9#  
61 23.5 17.0 25.6

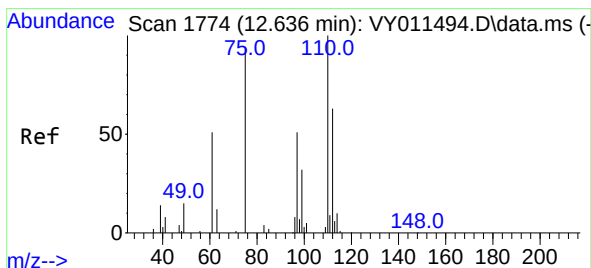
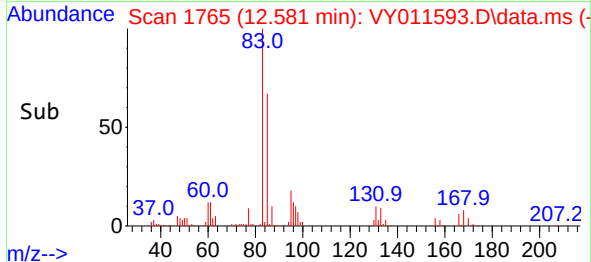
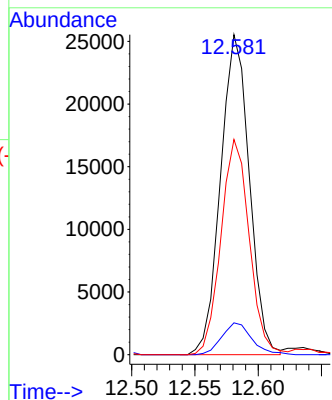
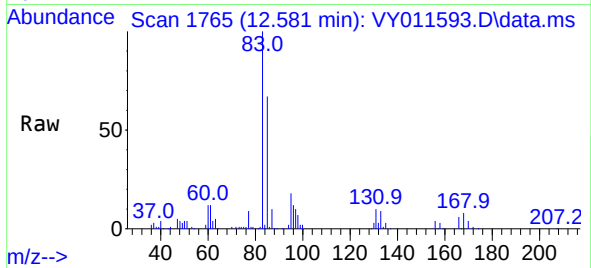




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.435 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

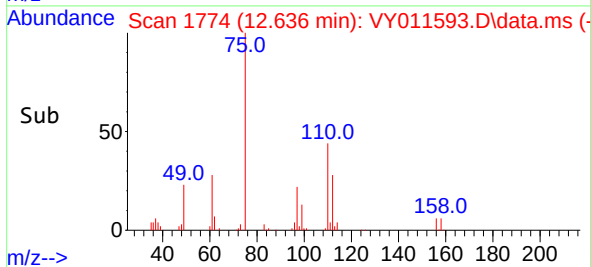
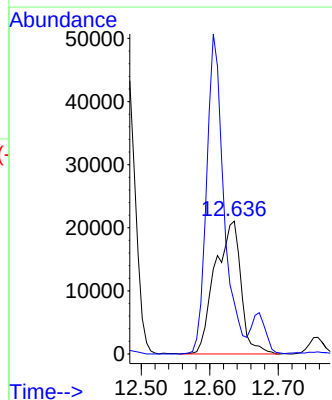
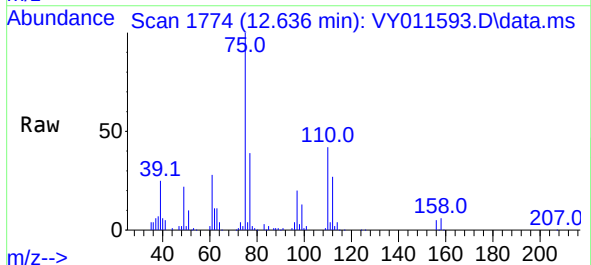
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

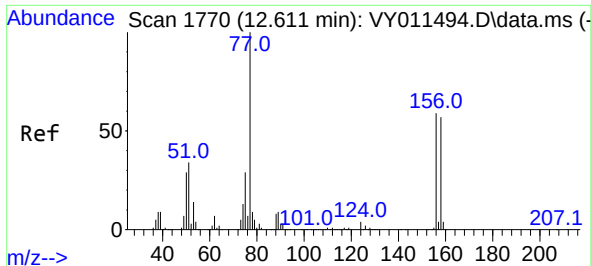
Tgt Ion: 83 Resp: 40371  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.6 16.8  
85 66.2 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 37.023 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 75 Resp: 55272  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

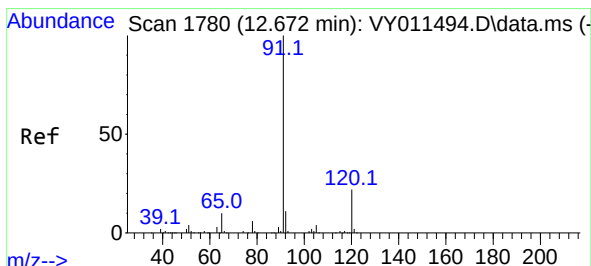
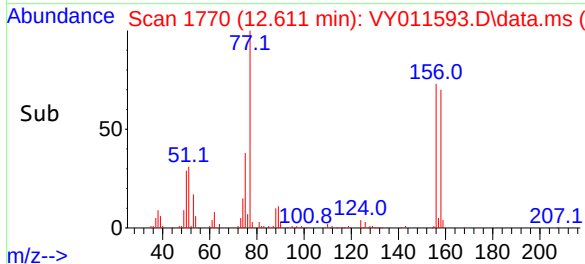
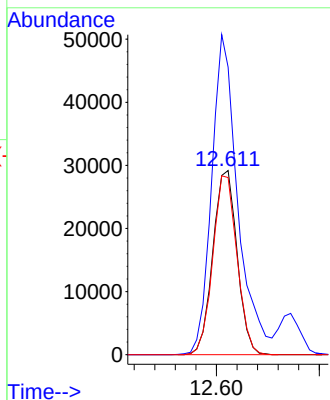
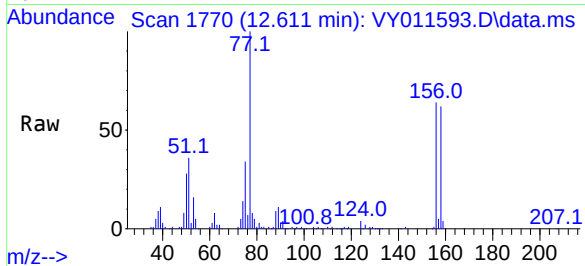




#77  
Bromobenzene  
Concen: 20.349 ug/l  
RT: 12.611 min Scan# 1770  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

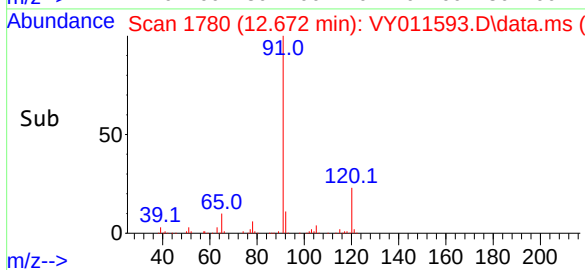
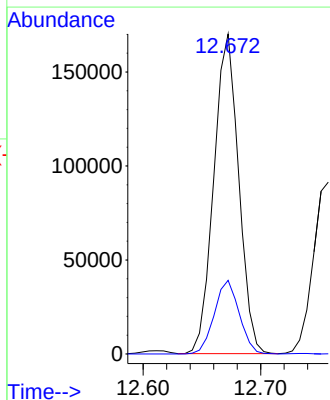
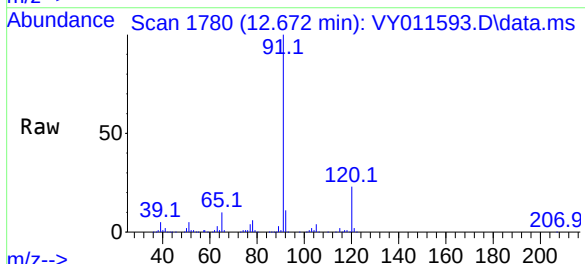
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

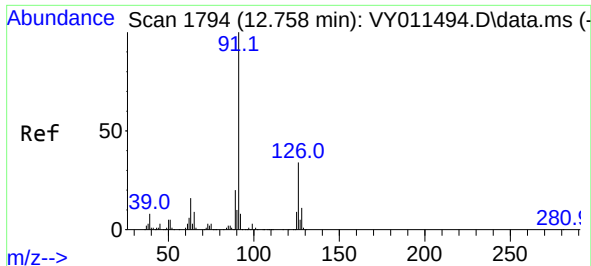
Tgt Ion:156 Resp: 47637  
Ion Ratio Lower Upper  
156 100  
77 188.1 95.5 286.4  
158 97.1 48.0 144.0



#78  
n-propylbenzene  
Concen: 20.460 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 91 Resp: 250245  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.3 33.9

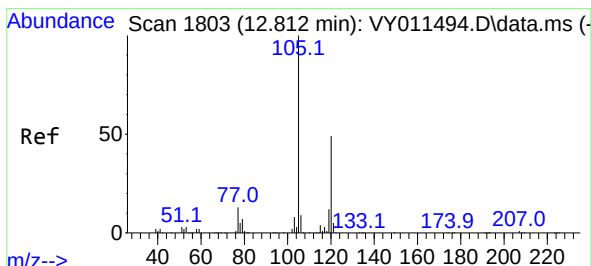
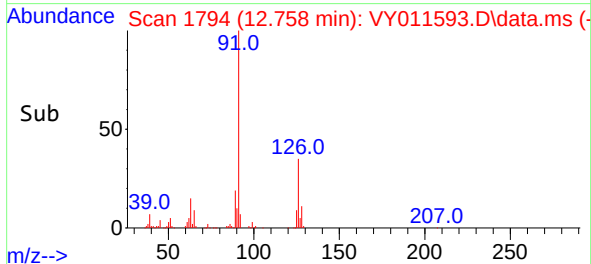
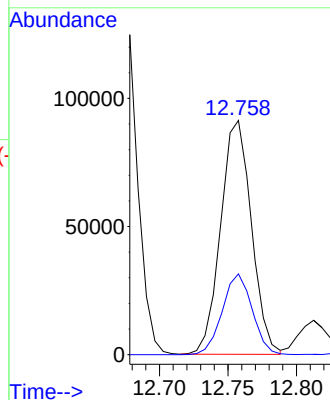
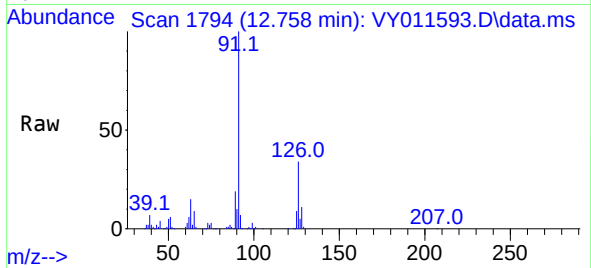




#79  
2-Chlorotoluene  
Concen: 20.690 ug/l  
RT: 12.758 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

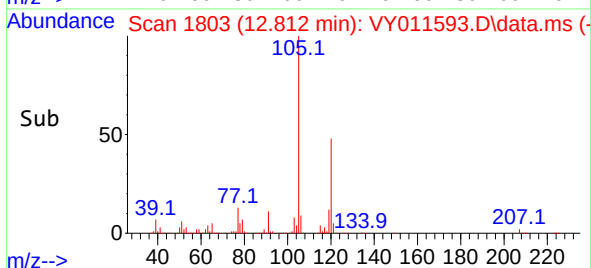
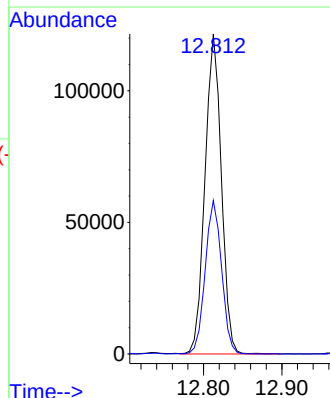
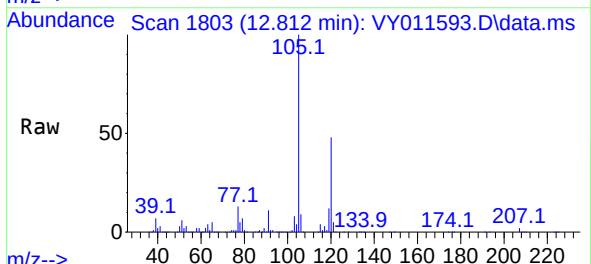
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

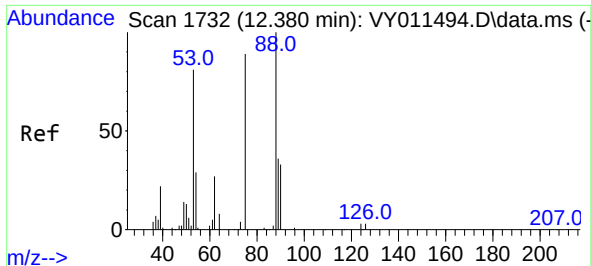
Tgt Ion: 91 Resp: 142633  
Ion Ratio Lower Upper  
91 100  
126 33.5 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 20.850 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:105 Resp: 176211  
Ion Ratio Lower Upper  
105 100  
120 48.0 24.4 73.4

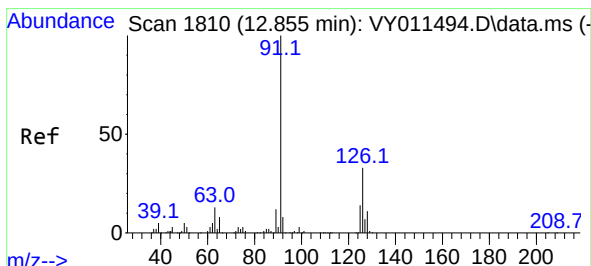
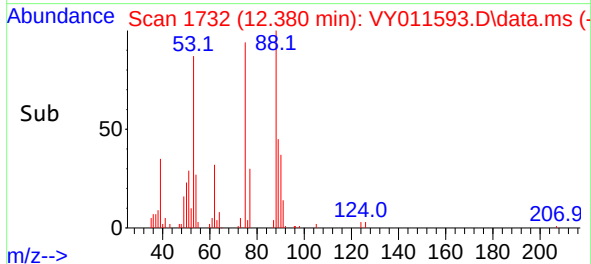
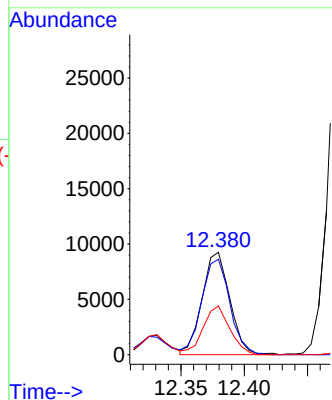
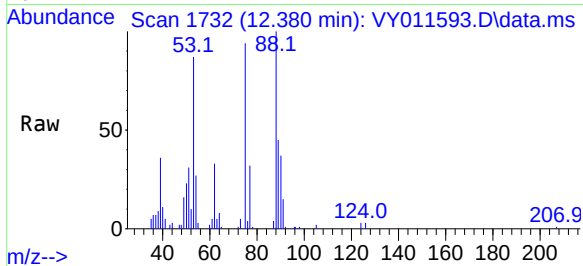




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.680 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

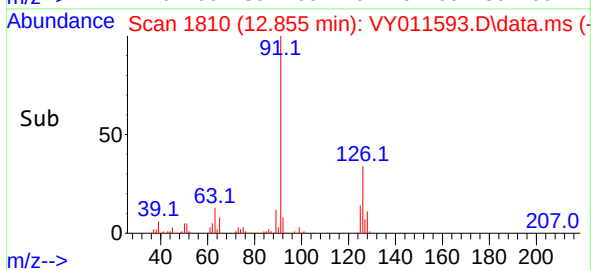
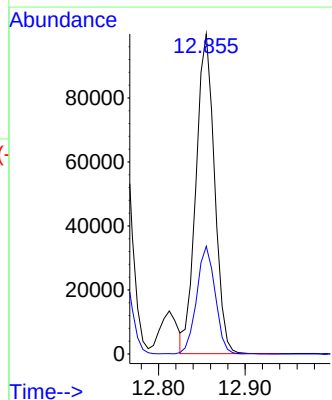
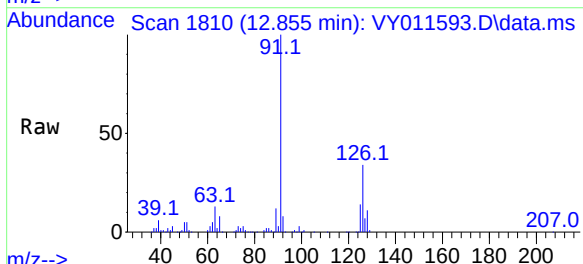
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

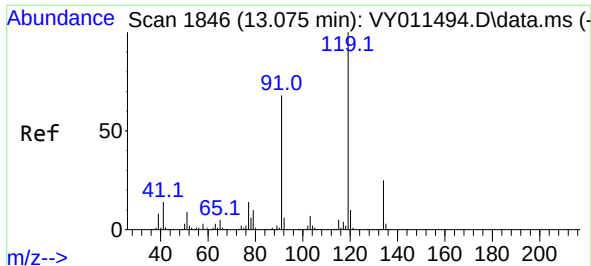
Tgt Ion: 75 Resp: 14095  
Ion Ratio Lower Upper  
75 100  
53 94.6 85.3 127.9  
89 45.9 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 20.525 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion: 91 Resp: 147955  
Ion Ratio Lower Upper  
91 100  
126 33.8 17.0 51.0

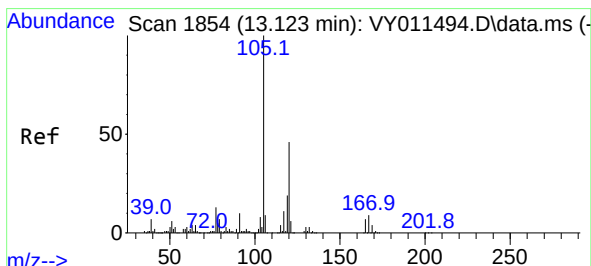
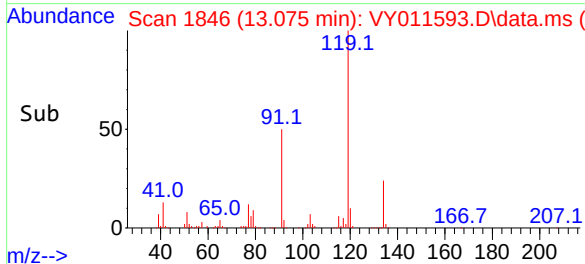
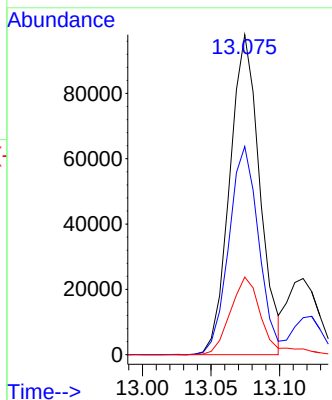
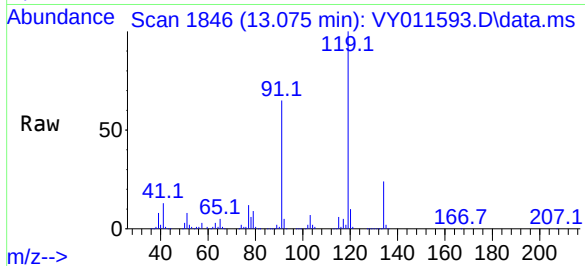




#83  
tert-Butylbenzene  
Concen: 20.317 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

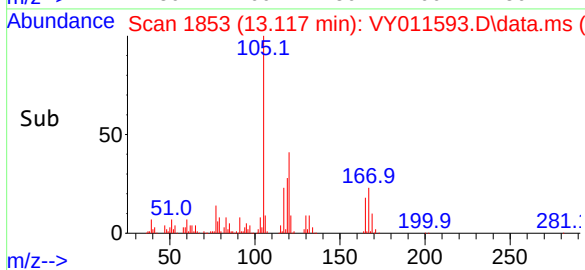
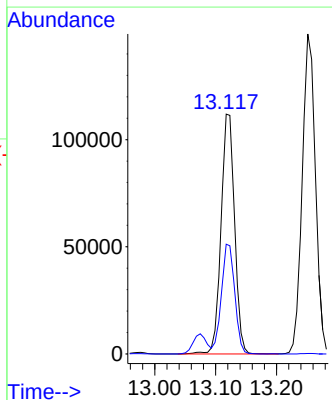
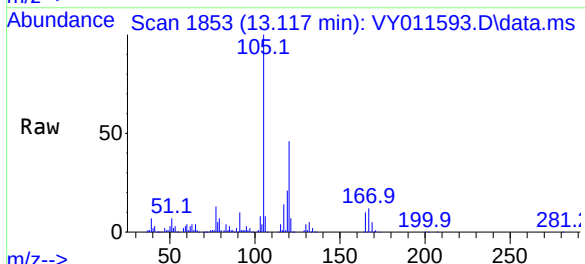
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBSD01

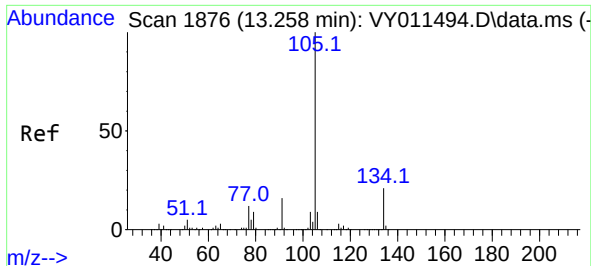
Tgt Ion:119 Resp: 149558  
Ion Ratio Lower Upper  
119 100  
91 64.4 34.8 104.4  
134 25.6 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.765 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:105 Resp: 173323  
Ion Ratio Lower Upper  
105 100  
120 45.0 22.3 66.9

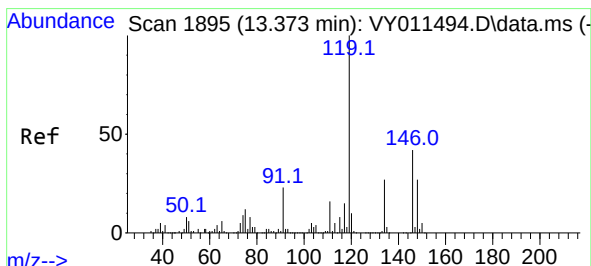
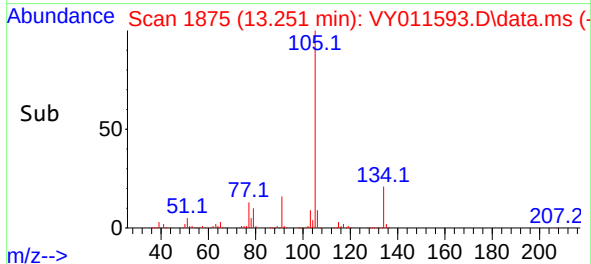
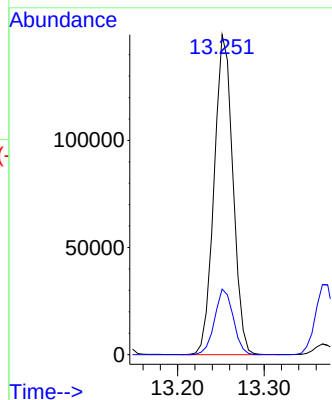
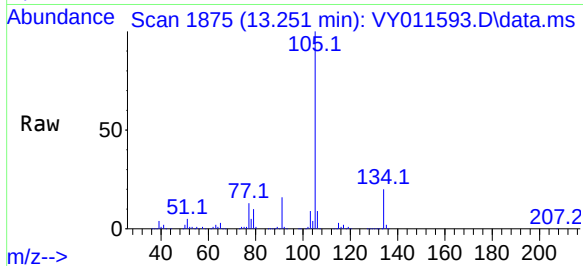




#85  
 sec-Butylbenzene  
 Concen: 20.475 ug/l  
 RT: 13.251 min Scan# 11  
 Delta R.T. -0.007 min  
 Lab File: VY011593.D  
 Acq: 28 Nov 2022 11:14

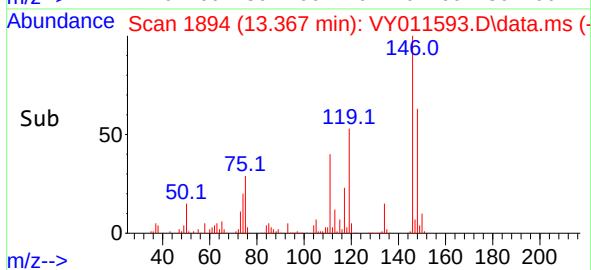
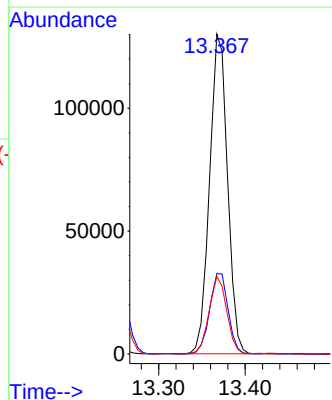
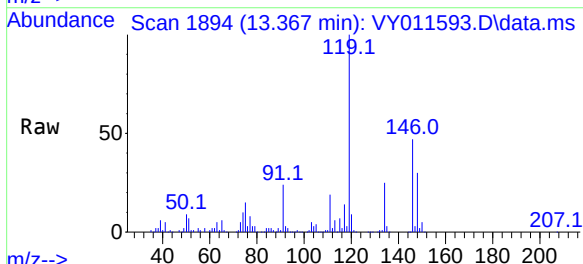
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1128SBS01

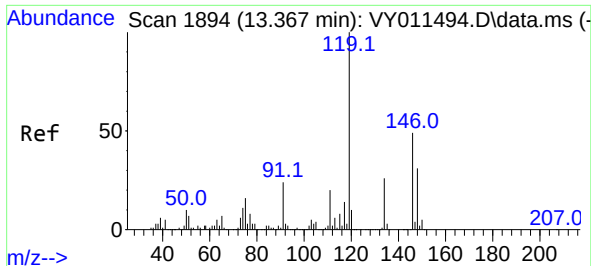
Tgt Ion:105 Resp: 224881  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 20.403 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.006 min  
 Lab File: VY011593.D  
 Acq: 28 Nov 2022 11:14

Tgt Ion:119 Resp: 187025  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.2 39.5  
 91 23.7 12.4 37.2

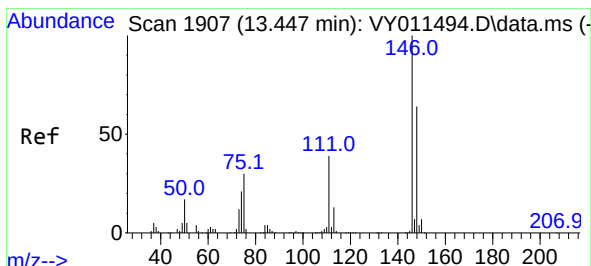
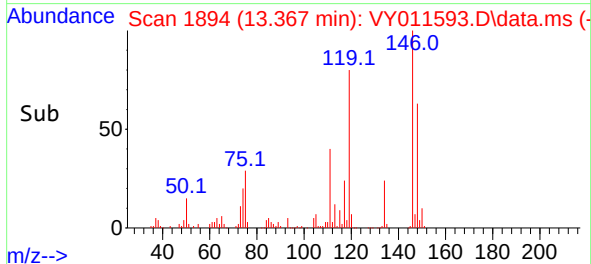
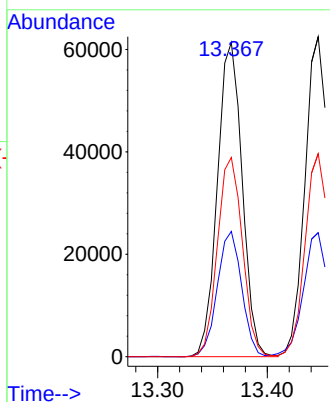
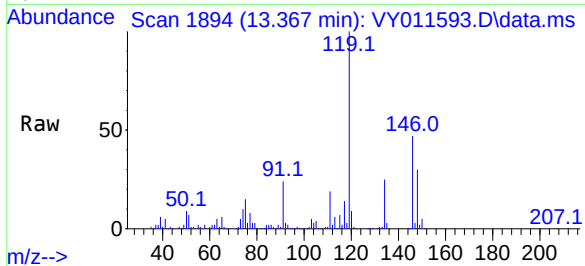




#87  
1,3-Dichlorobenzene  
Concen: 20.263 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

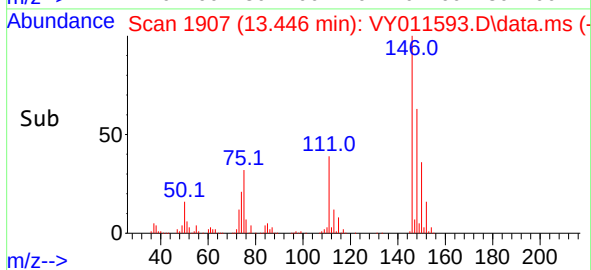
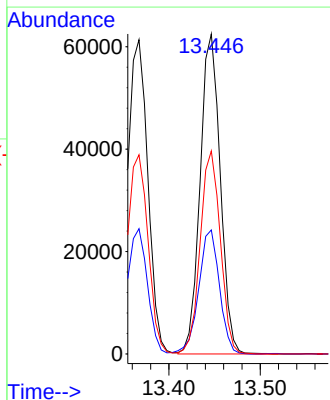
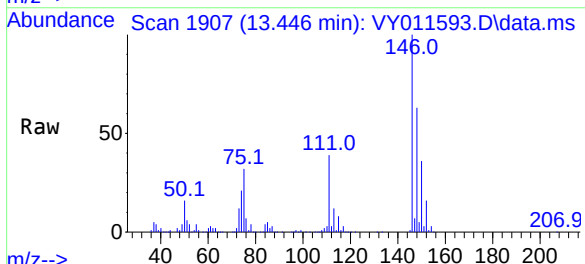
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

Tgt Ion:146 Resp: 96562  
Ion Ratio Lower Upper  
146 100  
111 39.2 19.5 58.5  
148 63.9 31.6 95.0

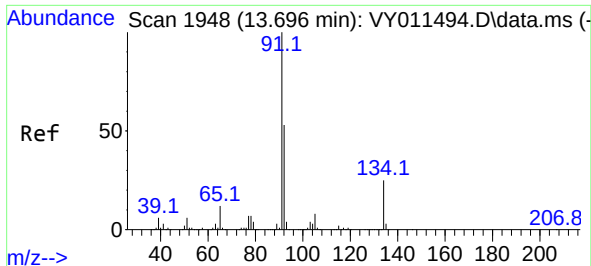


#88  
1,4-Dichlorobenzene  
Concen: 20.037 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.001 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:146 Resp: 95479  
Ion Ratio Lower Upper  
146 100  
111 40.1 19.3 57.8  
148 63.6 32.6 97.8







#89

n-Butylbenzene

Concen: 20.289 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY1128SBS01

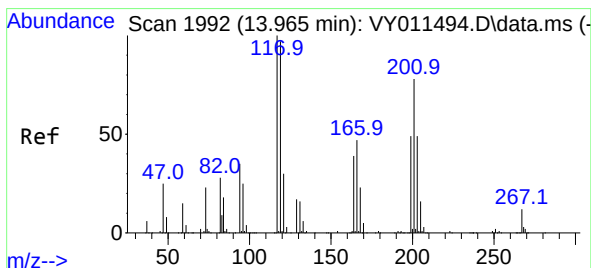
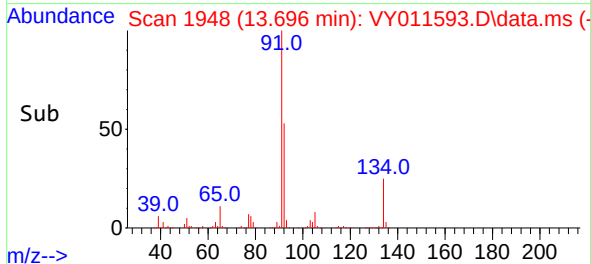
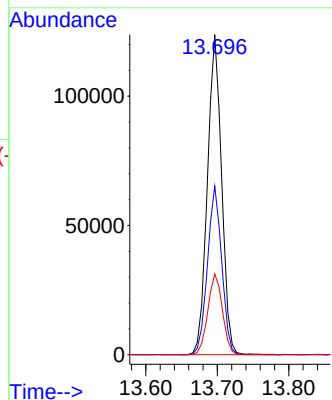
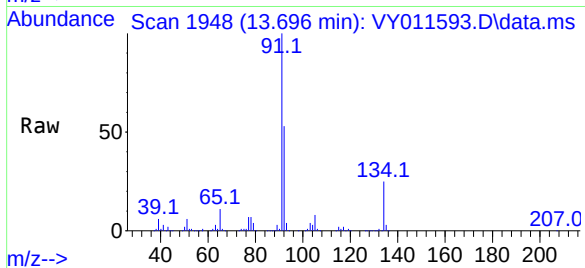
Tgt Ion: 91 Resp: 170962

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

134 25.8 13.0 38.9



#90

Hexachloroethane

Concen: 19.861 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.006 min

Lab File: VY011593.D

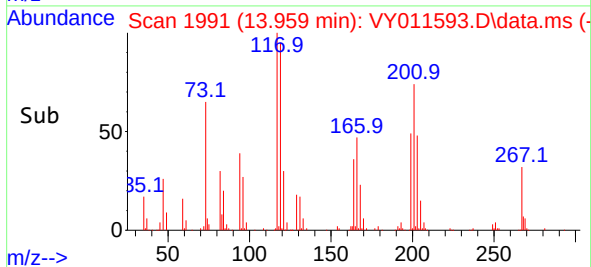
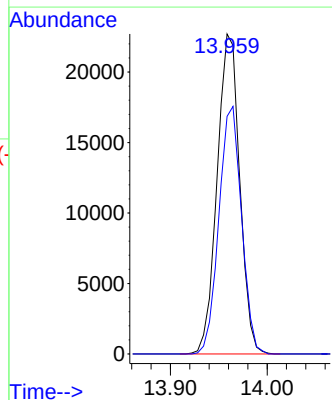
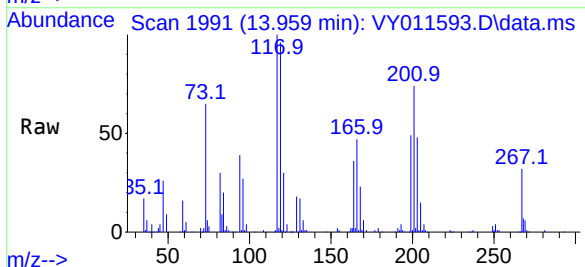
Acq: 28 Nov 2022 11:14

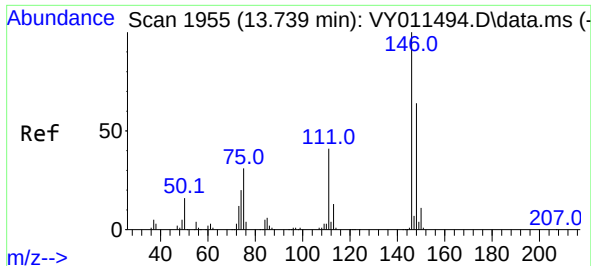
Tgt Ion: 117 Resp: 36763

Ion Ratio Lower Upper

117 100

201 77.5 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 20.410 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY1128SBSD01

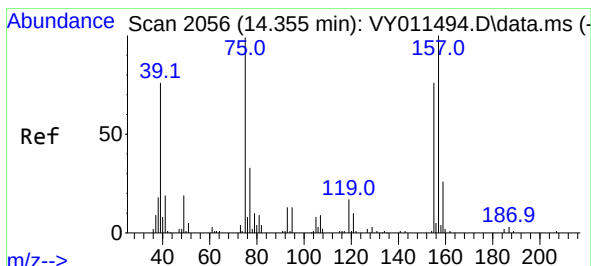
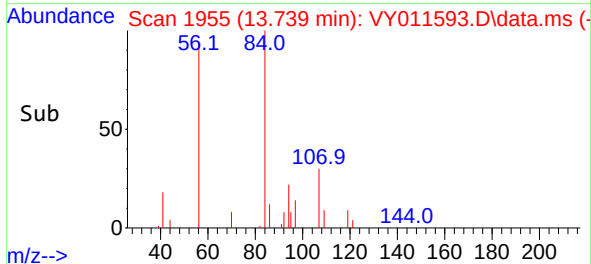
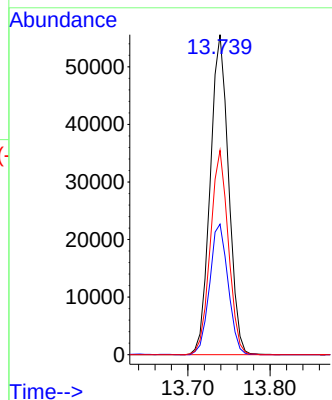
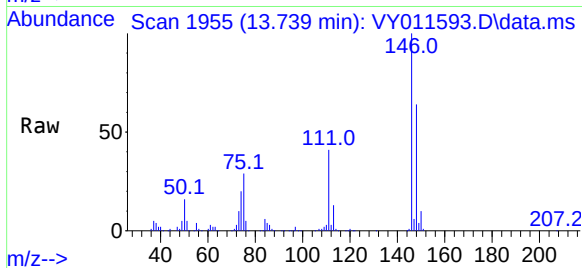
Tgt Ion:146 Resp: 86216

Ion Ratio Lower Upper

146 100

111 41.0 20.3 60.9

148 62.6 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.482 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY011593.D

Acq: 28 Nov 2022 11:14

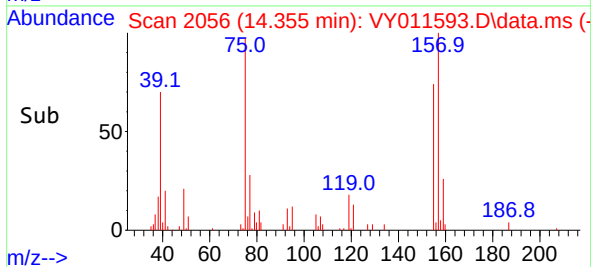
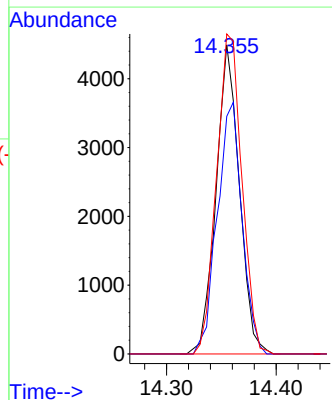
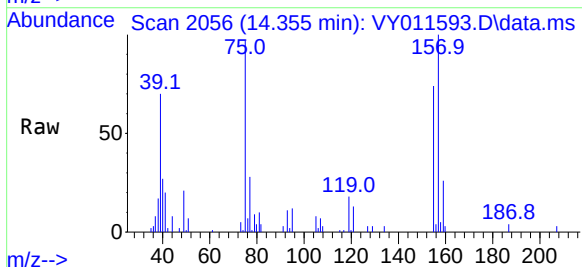
Tgt Ion: 75 Resp: 6636

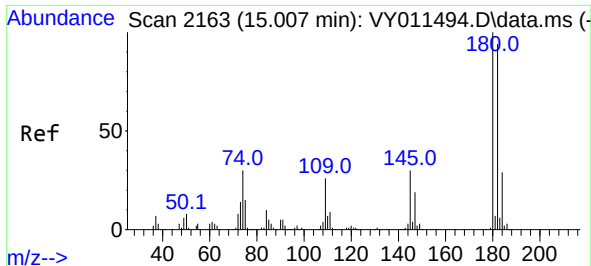
Ion Ratio Lower Upper

75 100

155 86.5 38.0 113.9

157 112.6 47.8 143.3

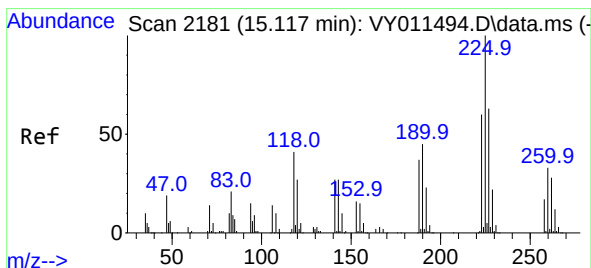
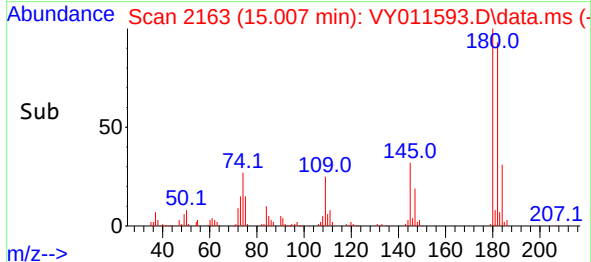
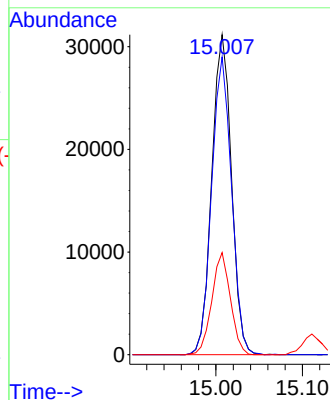
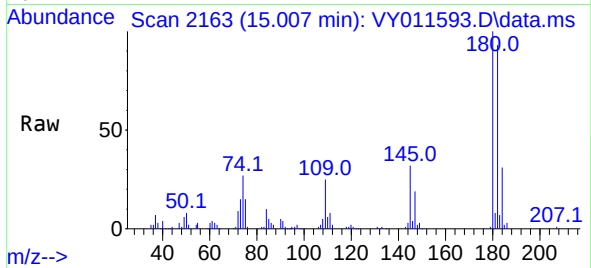




#93  
1,2,4-Trichlorobenzene  
Concen: 20.961 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

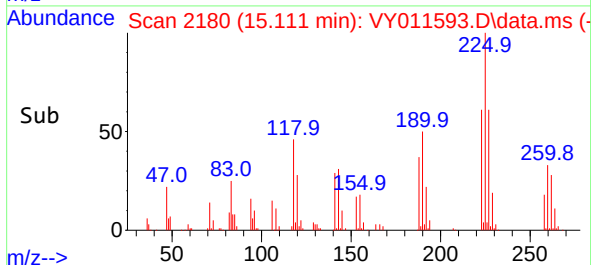
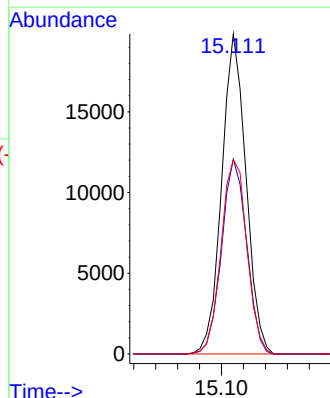
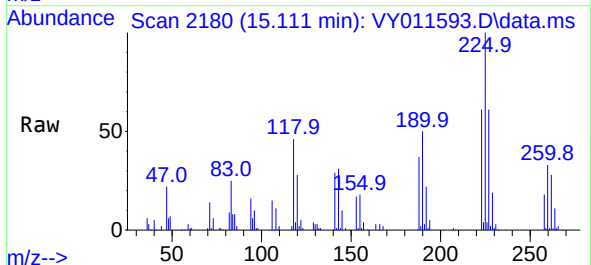
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

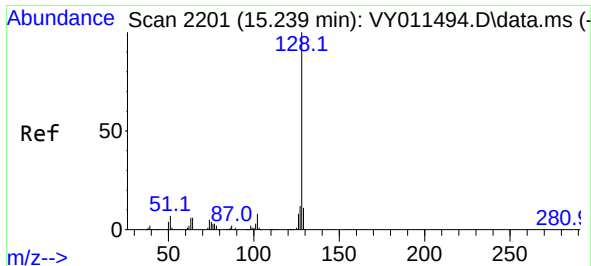
Tgt Ion:180 Resp: 49114  
Ion Ratio Lower Upper  
180 100  
182 94.0 47.3 141.9  
145 30.2 14.6 43.8



#94  
Hexachlorobutadiene  
Concen: 20.912 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Tgt Ion:225 Resp: 30458  
Ion Ratio Lower Upper  
225 100  
223 62.8 30.8 92.3  
227 64.4 31.6 94.7

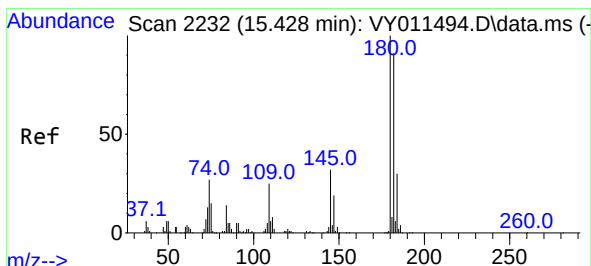
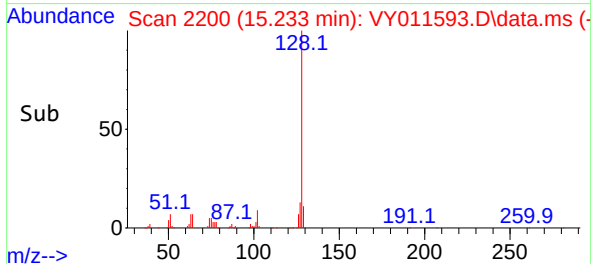
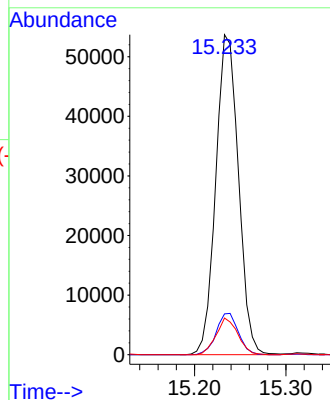
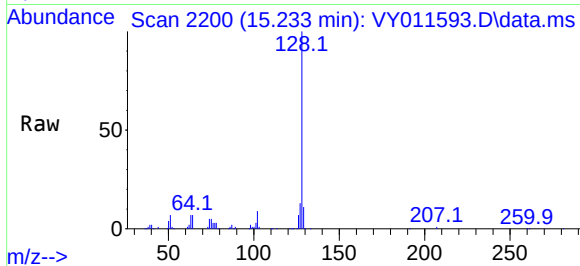




#95  
Naphthalene  
Concen: 21.372 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1128SBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 92684 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.6  | 11.0  | 16.4  |
| 129      | 11.0  | 8.4   | 12.6  |



#96  
1,2,3-Trichlorobenzene  
Concen: 21.086 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: VY011593.D  
Acq: 28 Nov 2022 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 42341 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.1  | 47.3  | 141.9 |
| 145      | 32.8  | 15.3  | 45.9  |

