

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071423\  
 Data File : VY014661.D  
 Acq On : 14 Jul 2023 20:36  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jul 14 23:18:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 292433   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 493794   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 443140   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 218276   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 184900   | 55.486   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 110.980% |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 165272   | 52.578   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.160% |      |
| 50) Toluene-d8              | 10.179 | 98    | 593520   | 51.214   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.420% |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 227922   | 51.292   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 102.580% |      |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.900 | 85  | 115219  | 48.361  | ug/l   | 99 |
| 3) Chloromethane             | 2.107 | 50  | 147295  | 54.999  | ug/l   | 99 |
| 4) Vinyl Chloride            | 2.247 | 62  | 161983  | 54.119  | ug/l   | 97 |
| 5) Bromomethane              | 2.638 | 94  | 113718  | 57.491  | ug/l   | 96 |
| 6) Chloroethane              | 2.784 | 64  | 106504  | 56.965  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.113 | 101 | 265777  | 52.871  | ug/l   | 98 |
| 8) Diethyl Ether             | 3.521 | 74  | 105298  | 56.298  | ug/l   | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 3.887 | 101 | 158369  | 51.399  | ug/l   | 96 |
| 10) Methyl Iodide            | 4.082 | 142 | 176721  | 53.910  | ug/l   | 97 |
| 11) Tert butyl alcohol       | 4.954 | 59  | 154551  | 221.417 | ug/l # | 79 |
| 12) 1,1-Dichloroethene       | 3.863 | 96  | 150141  | 52.137  | ug/l   | 94 |
| 13) Acrolein                 | 3.723 | 56  | 80575   | 231.338 | ug/l   | 99 |
| 14) Allyl chloride           | 4.473 | 41  | 271731  | 53.144  | ug/l   | 95 |
| 15) Acrylonitrile            | 5.155 | 53  | 313958  | 304.402 | ug/l   | 98 |
| 16) Acetone                  | 3.942 | 43  | 253025  | 239.609 | ug/l   | 95 |
| 17) Carbon Disulfide         | 4.186 | 76  | 412087  | 49.983  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.473 | 43  | 283151  | 69.872  | ug/l   | 95 |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 546345  | 58.405  | ug/l   | 99 |
| 20) Methylene Chloride       | 4.710 | 84  | 184915  | 54.264  | ug/l   | 92 |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 174625  | 53.434  | ug/l   | 98 |
| 22) Diisopropyl ether        | 6.112 | 45  | 589009  | 56.661  | ug/l   | 93 |
| 23) Vinyl Acetate            | 6.058 | 43  | 1696672 | 272.737 | ug/l   | 95 |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 331537  | 55.738  | ug/l   | 97 |
| 25) 2-Butanone               | 6.978 | 43  | 436604  | 282.608 | ug/l   | 97 |
| 26) 2,2-Dichloropropane      | 6.978 | 77  | 249243  | 43.967  | ug/l   | 98 |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 211998  | 55.731  | ug/l   | 95 |
| 28) Bromochloromethane       | 7.332 | 49  | 136923  | 53.449  | ug/l   | 95 |
| 29) Tetrahydrofuran          | 7.344 | 42  | 294188  | 309.253 | ug/l   | 95 |
| 30) Chloroform               | 7.502 | 83  | 346085  | 56.424  | ug/l   | 96 |
| 31) Cyclohexane              | 7.783 | 56  | 267817  | 48.414  | ug/l   | 94 |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 301978  | 54.702  | ug/l   | 99 |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 244615  | 52.037  | ug/l   | 99 |
| 37) Ethyl Acetate            | 7.070 | 43  | 186841  | 57.729  | ug/l # | 96 |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 265209  | 53.371  | ug/l   | 99 |
| 39) Methylcyclohexane        | 9.179 | 83  | 302549  | 49.402  | ug/l   | 97 |
| 40) Benzene                  | 8.155 | 78  | 717870  | 53.695  | ug/l   | 99 |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jul 14 23:18:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 14 02:09:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 267989   | 160.981  | ug/l # | 17       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 244249   | 57.691   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 367837   | 59.663   | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 200475   | 53.594   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 191398   | 54.825   | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 117919   | 55.679   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 279930   | 56.081   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 161307   | 58.146   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 42391    | 1227.539 | ug/l # | 56       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 971989   | 300.272  | ug/l   | 94       |
| 52) Toluene                   | 10.240 | 92   | 458446   | 53.588   | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 290762   | 53.254   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 310683   | 52.326   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 169426   | 57.431   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 256435   | 56.931   | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 286182   | 56.243   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 560979   | 267.293  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 702585   | 297.628  | ug/l   | 94       |
| 60) Dibromochloromethane      | 10.984 | 129  | 200752   | 55.502   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 166660   | 56.629   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 194466   | 54.564   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 501277   | 53.083   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 193920   | 54.464   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 908276   | 53.272   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 690807   | 106.142  | ug/l   | 98       |
| 69) o-Xylene                  | 12.026 | 106  | 338740   | 53.436   | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 575134   | 53.830   | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 139136   | 57.651   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 879040   | 51.433   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 312209   | 54.543   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 213272   | 54.720   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 277354   | 100.609  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 209794   | 53.775   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.672 | 91   | 1073100  | 52.105   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 624874   | 52.677   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 762140   | 53.395   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 71848    | 50.462   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 637853   | 52.210   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 653504   | 51.613   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 823837   | 58.813   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 951242   | 51.214   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 789082   | 52.034   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 406180   | 53.494   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 406442   | 53.417   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 772354   | 52.349   | ug/l   | 95       |
| 90) Hexachloroethane          | 13.959 | 117  | 163424   | 52.466   | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 374722   | 53.865   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 44504    | 59.708   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 239821   | 54.307   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 130253   | 53.674   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 666049   | 64.738   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 219800   | 56.004   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071323S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 14 02:09:50 2023  
Response via : Initial Calibration

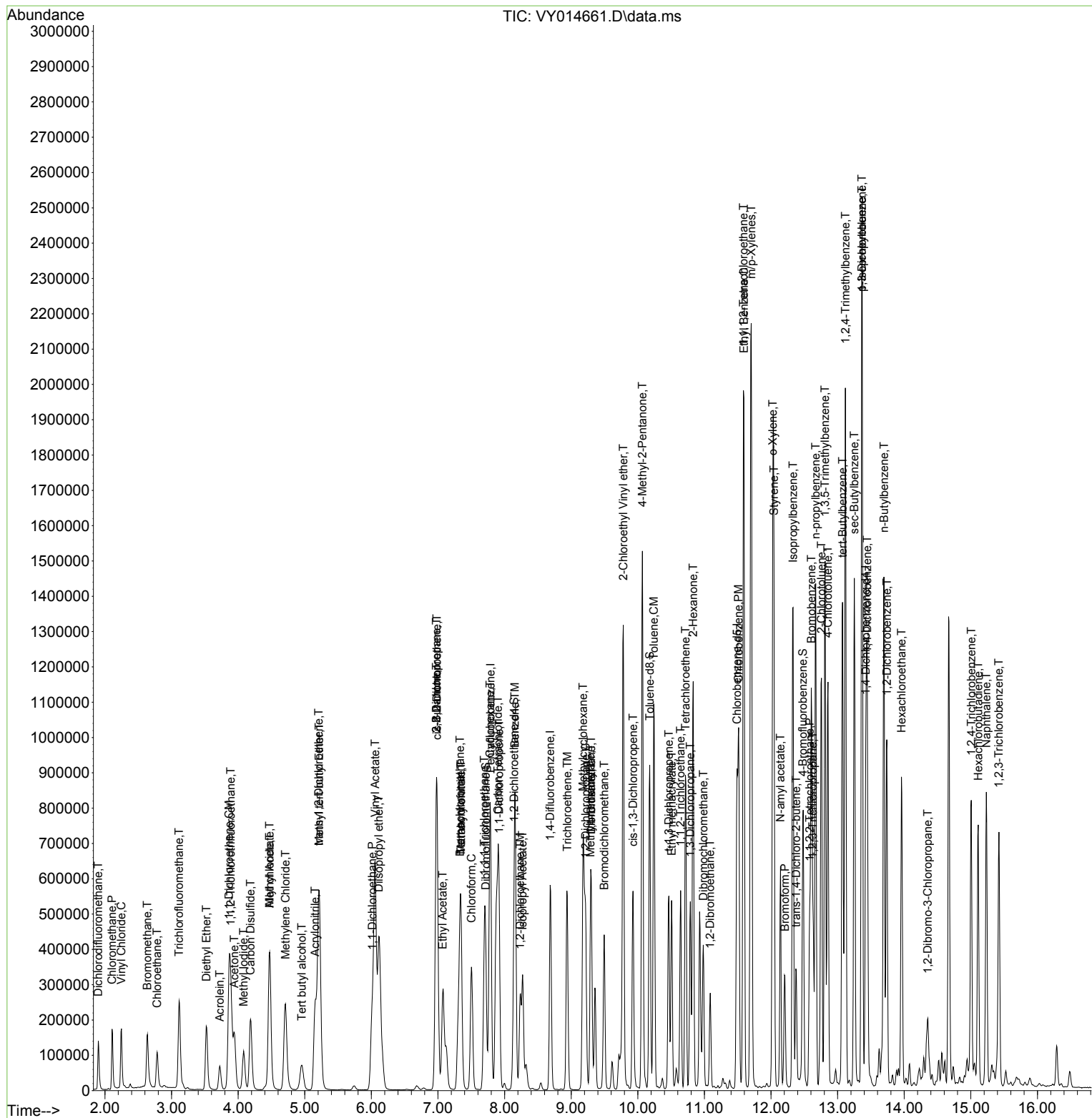
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

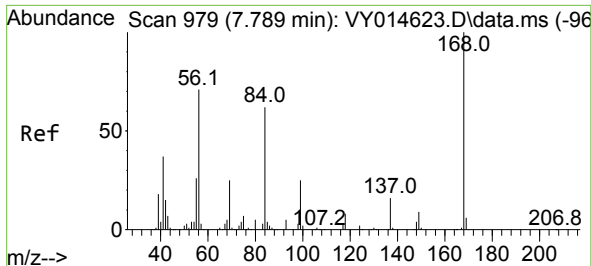
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 Sample : VSTDCCC050  
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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 QLast Update : Fri Jul 14 02:09:50 2023  
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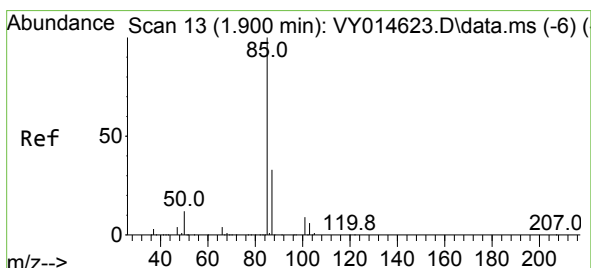
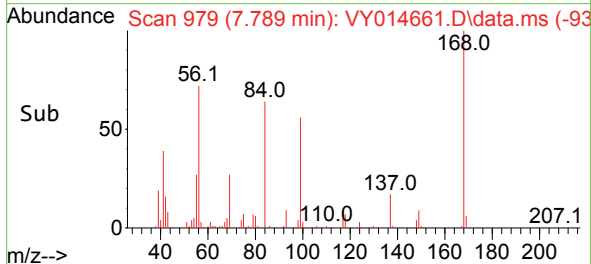
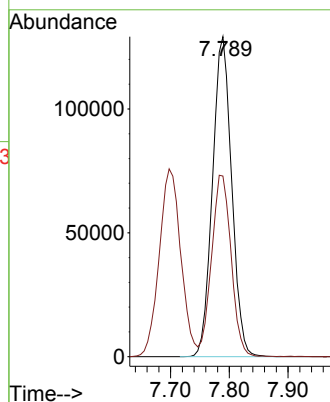
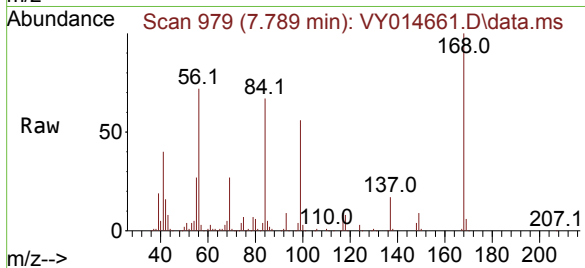




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

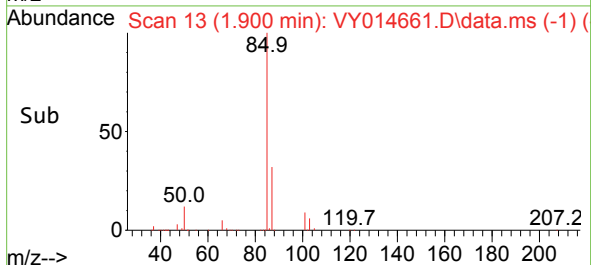
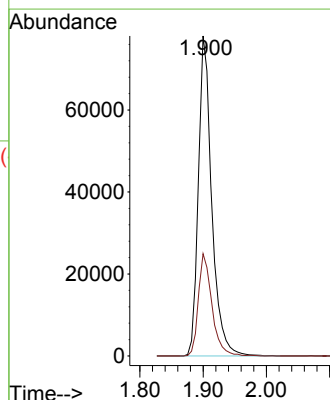
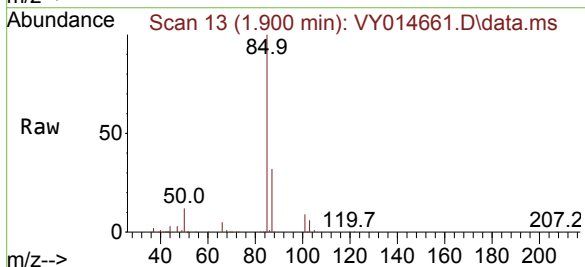
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

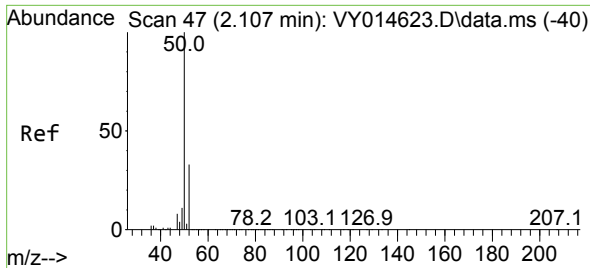
Tgt Ion:168 Resp: 292433  
Ion Ratio Lower Upper  
168 100  
99 56.4 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 48.361 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 85 Resp: 115219  
Ion Ratio Lower Upper  
85 100  
87 31.9 15.6 46.8

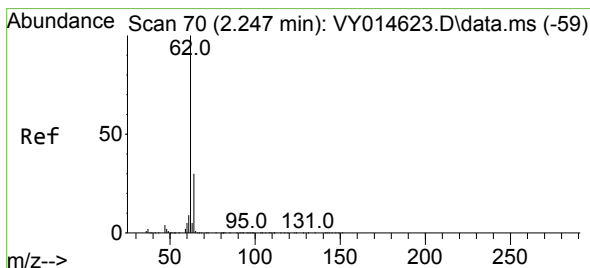
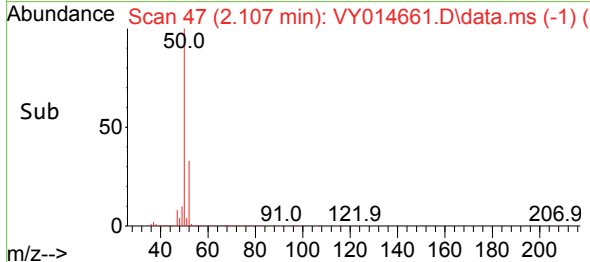
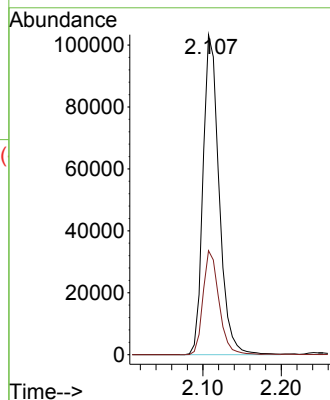
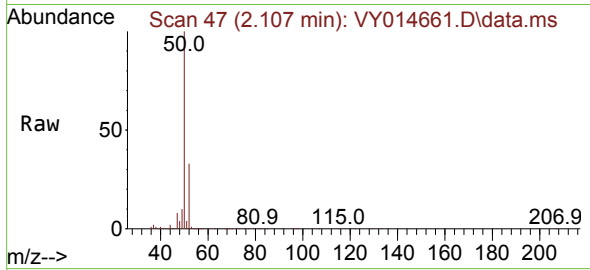




#3  
Chloromethane  
Concen: 54.999 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

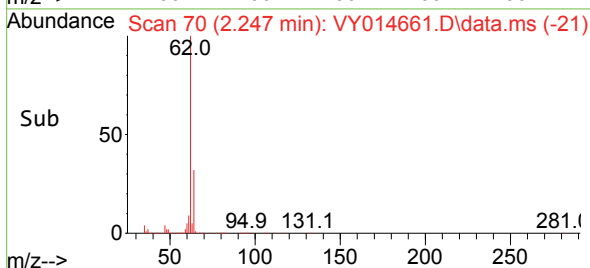
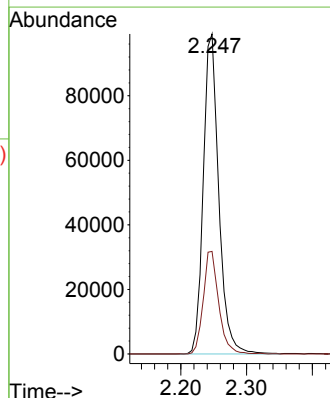
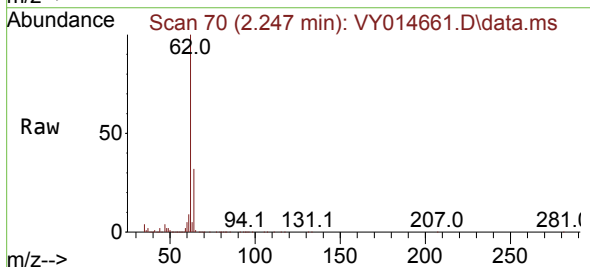
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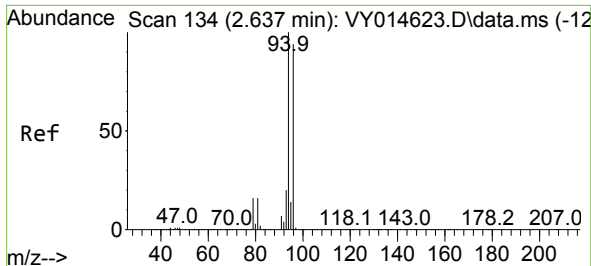
Tgt Ion: 50 Resp: 147295  
Ion Ratio Lower Upper  
50 100  
52 32.5 25.4 38.2



#4  
Vinyl Chloride  
Concen: 54.119 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 62 Resp: 161983  
Ion Ratio Lower Upper  
62 100  
64 32.1 24.3 36.5

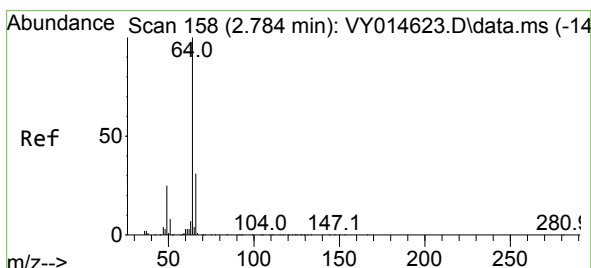
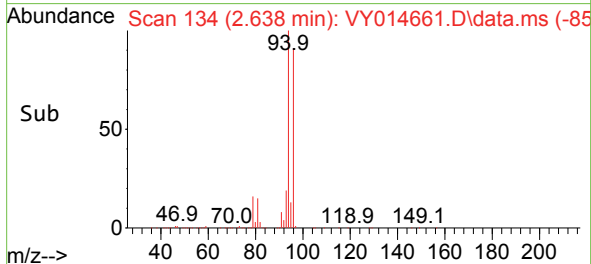
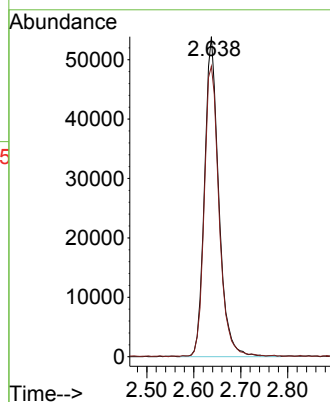
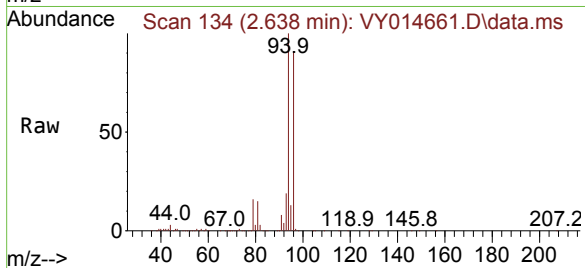




#5  
Bromomethane  
Concen: 57.491 ug/l  
RT: 2.638 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

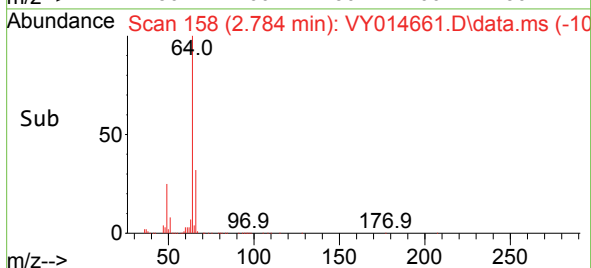
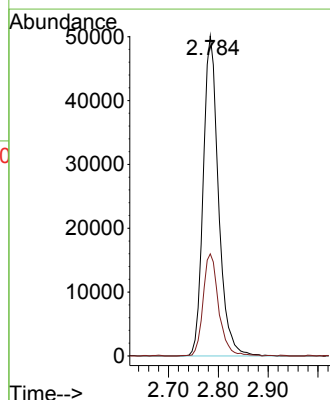
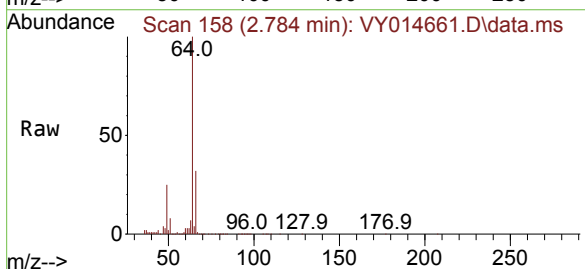
Instrument :  
MSVOA\_Y  
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VSTDCCC050EC

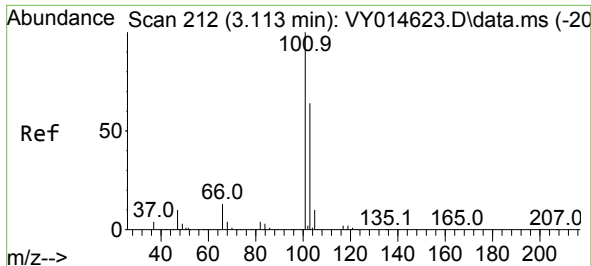
Tgt Ion: 94 Resp: 113718  
Ion Ratio Lower Upper  
94 100  
96 90.6 75.8 113.6



#6  
Chloroethane  
Concen: 56.965 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 64 Resp: 106504  
Ion Ratio Lower Upper  
64 100  
66 31.8 24.4 36.6

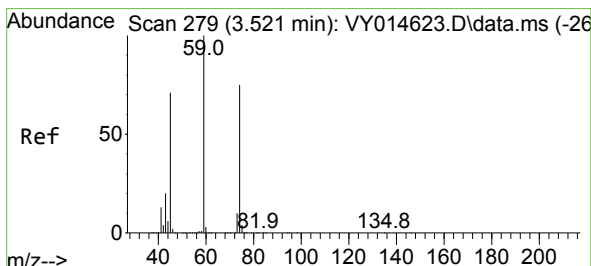
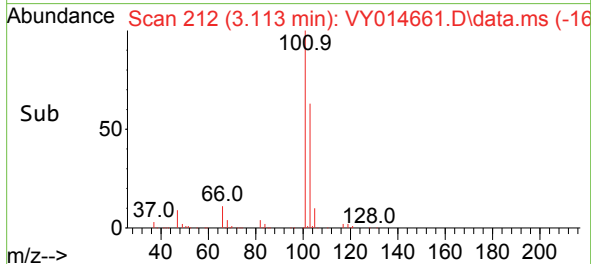
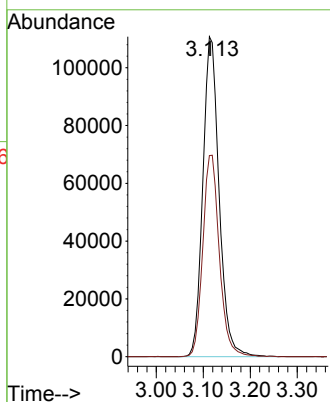
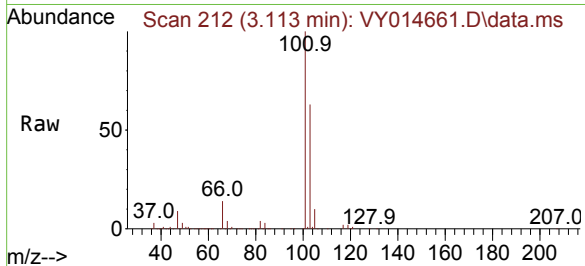




#7  
 Trichlorofluoromethane  
 Concen: 52.871 ug/l  
 RT: 3.113 min Scan# 212  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

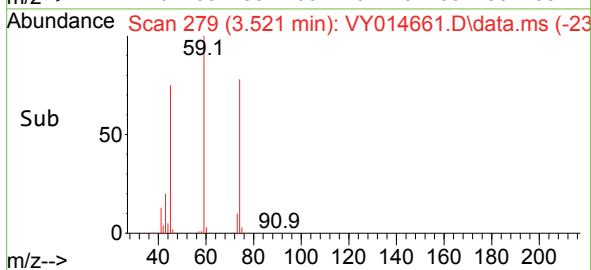
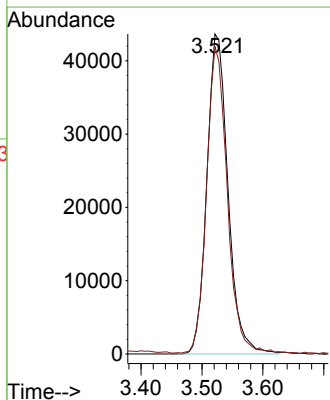
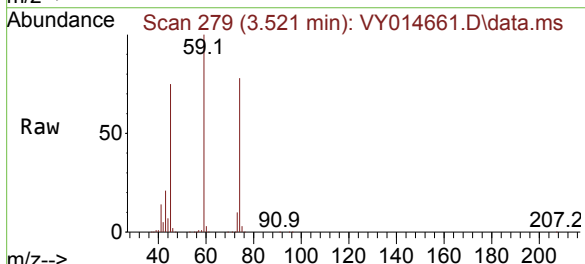
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

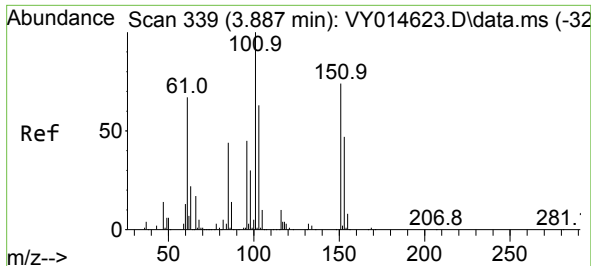
Tgt Ion:101 Resp: 265777  
 Ion Ratio Lower Upper  
 101 100  
 103 62.9 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 56.298 ug/l  
 RT: 3.521 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Tgt Ion: 74 Resp: 105298  
 Ion Ratio Lower Upper  
 74 100  
 45 94.0 51.5 154.5

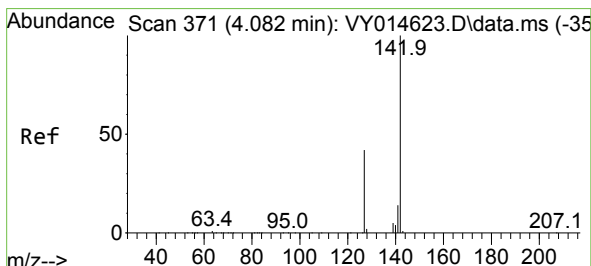
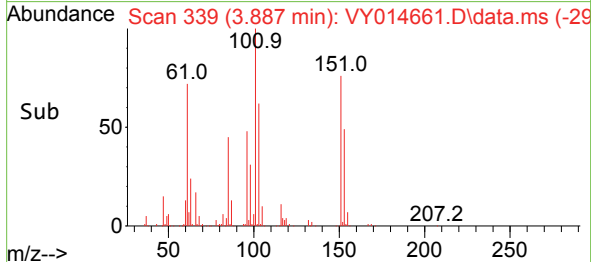
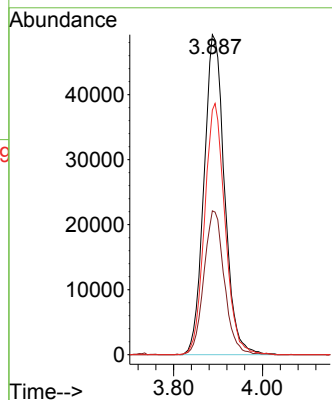
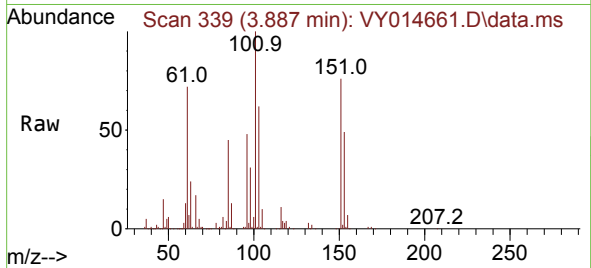




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 51.399 ug/l  
 RT: 3.887 min Scan# 339  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

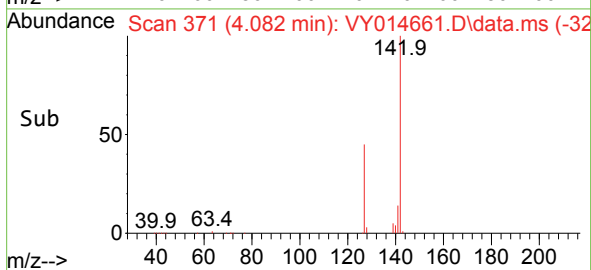
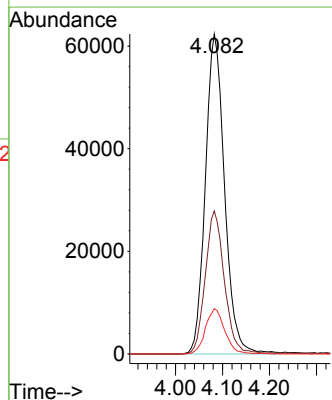
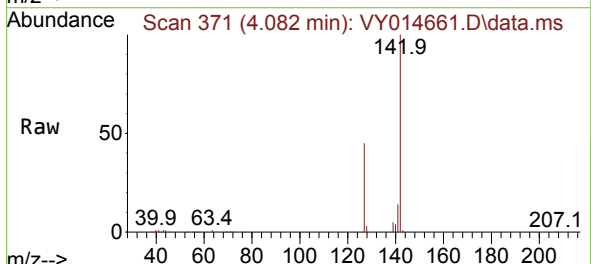
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

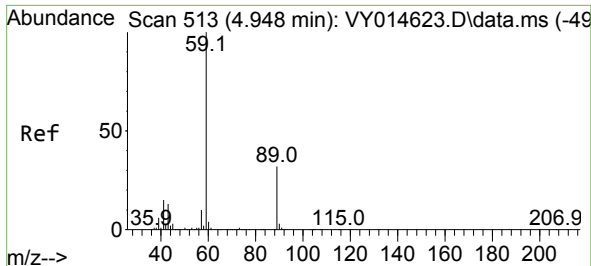
Tgt Ion:101 Resp: 158369  
 Ion Ratio Lower Upper  
 101 100  
 85 44.8 36.6 55.0  
 151 78.3 67.0 100.6



#10  
 Methyl Iodide  
 Concen: 53.910 ug/l  
 RT: 4.082 min Scan# 371  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Tgt Ion:142 Resp: 176721  
 Ion Ratio Lower Upper  
 142 100  
 127 44.5 37.6 56.4  
 141 14.3 11.8 17.8

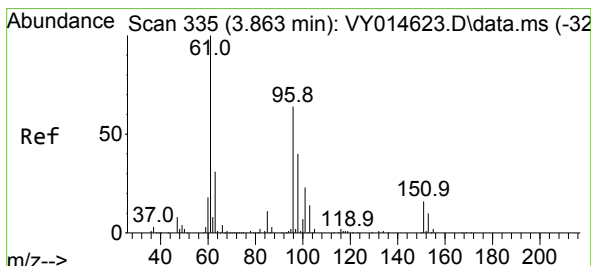
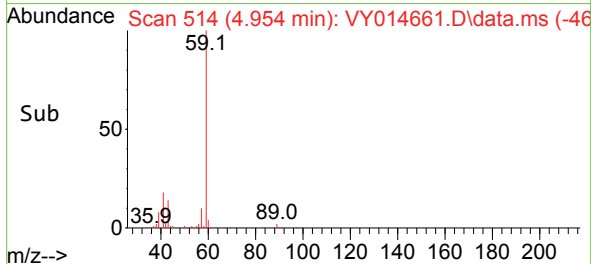
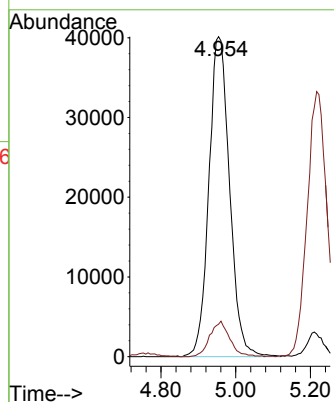
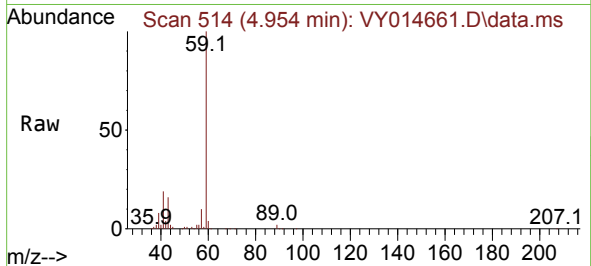




#11  
Tert butyl alcohol  
Concen: 221.417 ug/l  
RT: 4.954 min Scan# 513  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

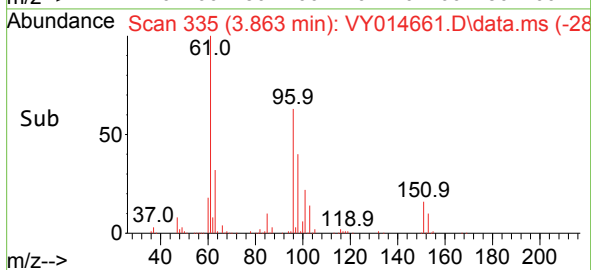
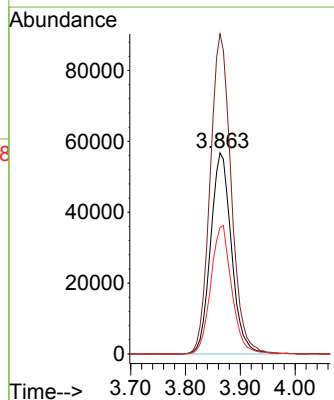
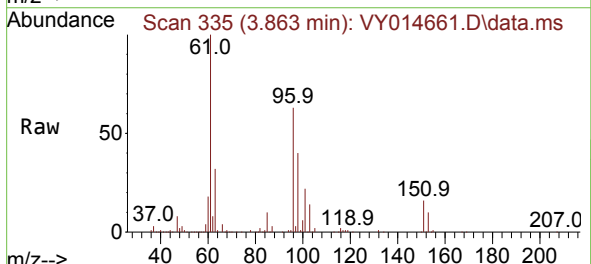
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

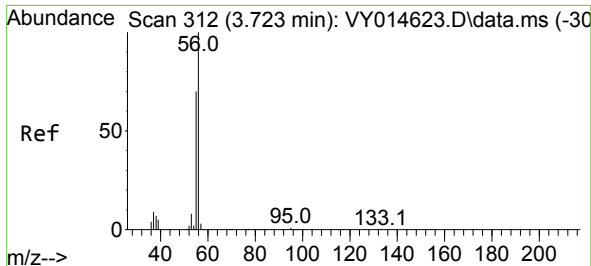
Tgt Ion: 59 Resp: 154551  
Ion Ratio Lower Upper  
59 100  
57 10.7 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 52.137 ug/l  
RT: 3.863 min Scan# 335  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 96 Resp: 150141  
Ion Ratio Lower Upper  
96 100  
61 159.1 136.4 204.6  
98 63.0 49.4 74.2





#13

Acrolein

Concen: 231.338 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

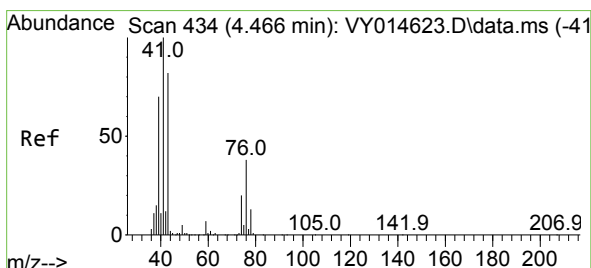
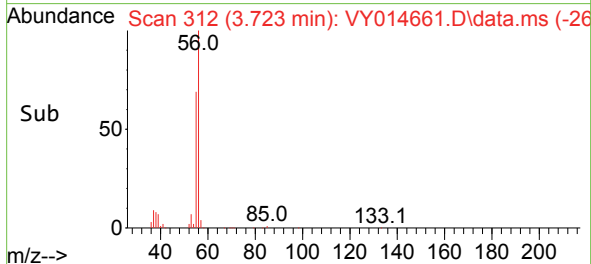
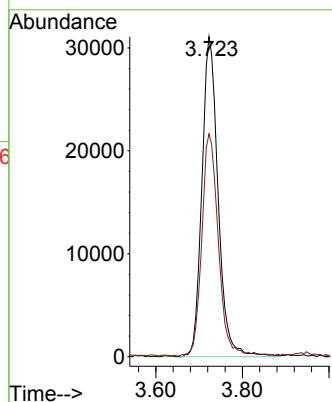
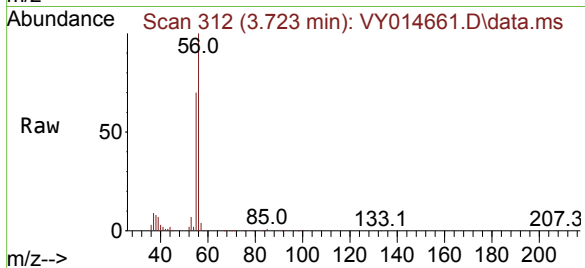
VSTDC0050EC

Tgt Ion: 56 Resp: 80575

Ion Ratio Lower Upper

56 100

55 70.1 57.0 85.4



#14

Allyl chloride

Concen: 53.144 ug/l

RT: 4.473 min Scan# 435

Delta R.T. 0.007 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

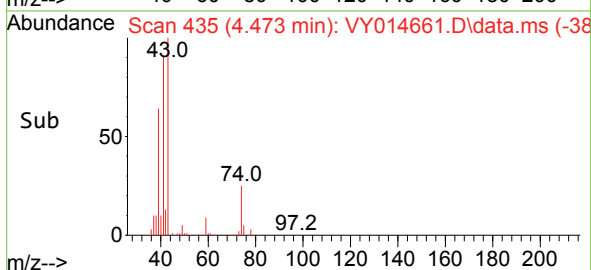
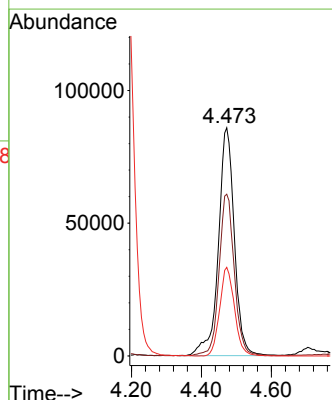
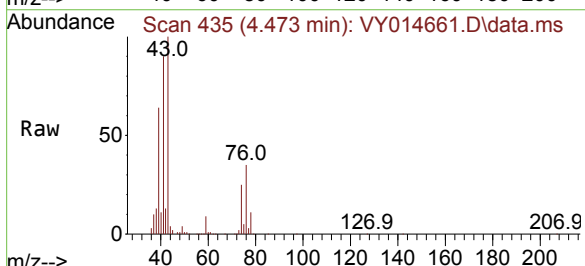
Tgt Ion: 41 Resp: 271731

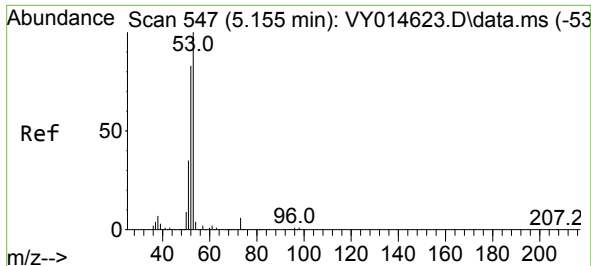
Ion Ratio Lower Upper

41 100

39 68.0 58.0 87.0

76 36.1 27.4 41.2

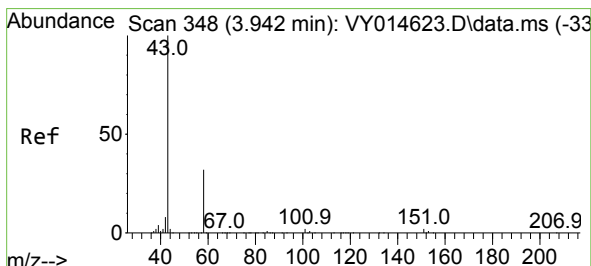
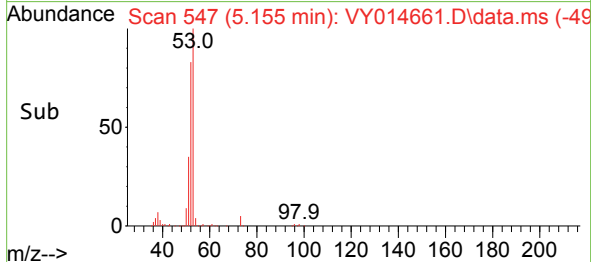
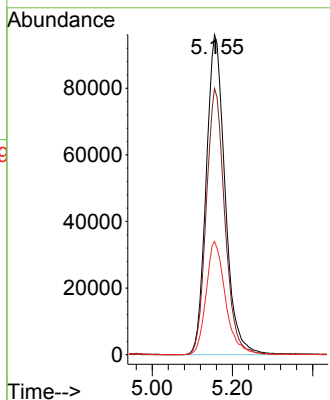
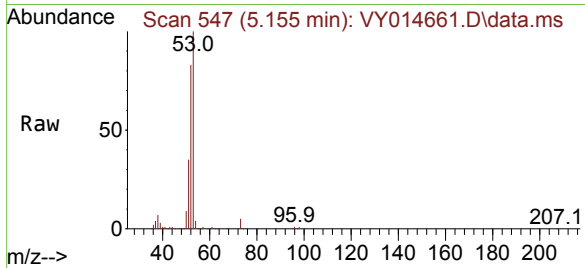




#15  
Acrylonitrile  
Concen: 304.402 ug/l  
RT: 5.155 min Scan# 547  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

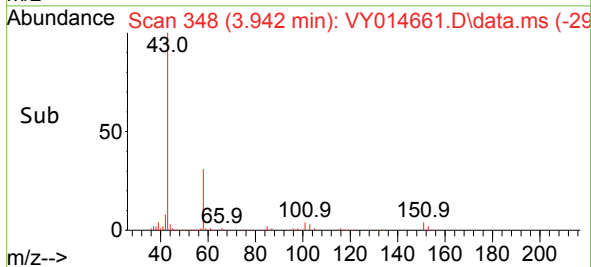
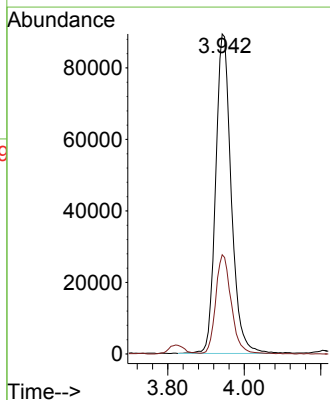
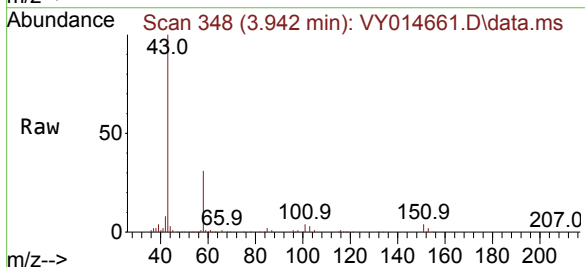
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

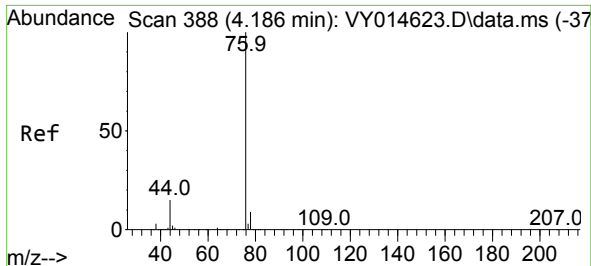
Tgt Ion: 53 Resp: 313958  
Ion Ratio Lower Upper  
53 100  
52 81.8 66.9 100.3  
51 36.5 29.8 44.6



#16  
Acetone  
Concen: 239.609 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 43 Resp: 253025  
Ion Ratio Lower Upper  
43 100  
58 30.9 22.7 34.1

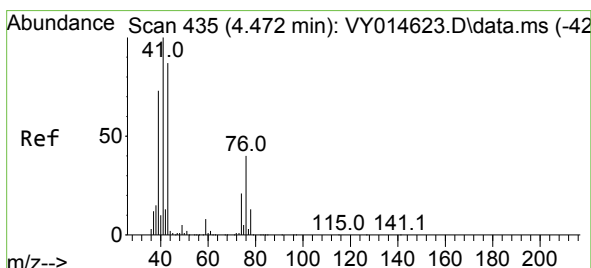
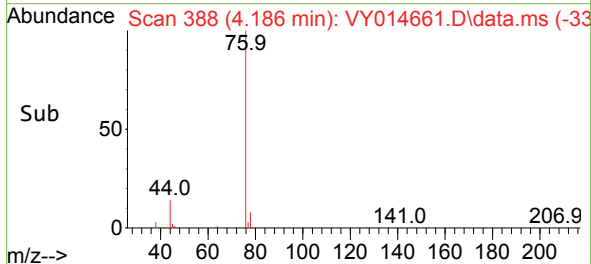
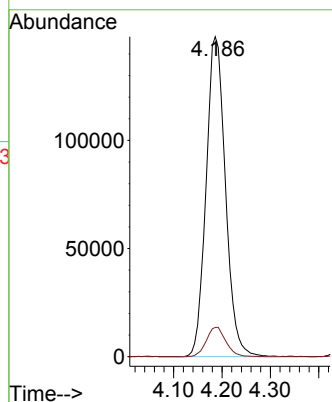
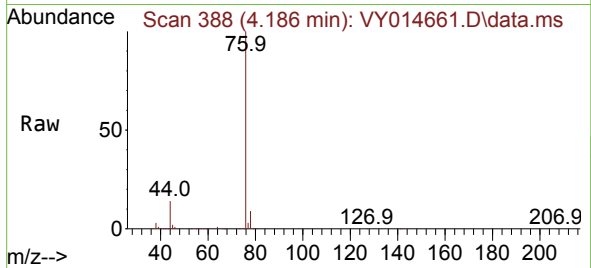




#17  
Carbon Disulfide  
Concen: 49.983 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

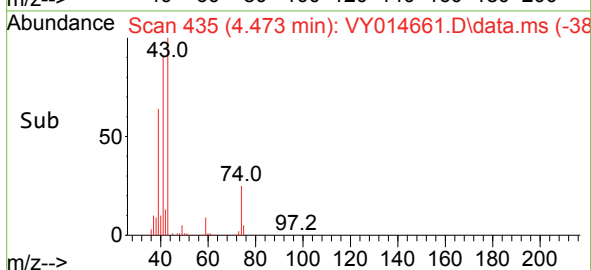
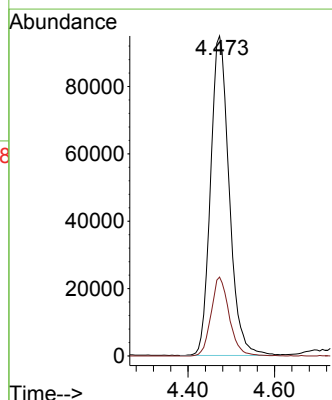
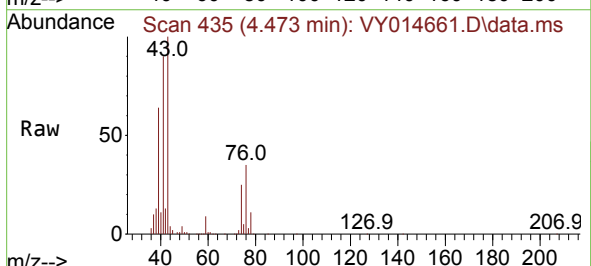
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

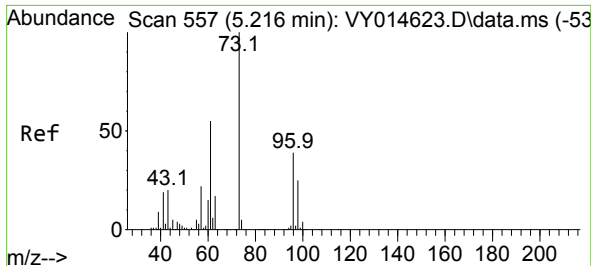
Tgt Ion: 76 Resp: 412087  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.0 10.4



#18  
Methyl Acetate  
Concen: 69.872 ug/l  
RT: 4.473 min Scan# 435  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 43 Resp: 283151  
Ion Ratio Lower Upper  
43 100  
74 24.0 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 58.405 ug/l

RT: 5.216 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

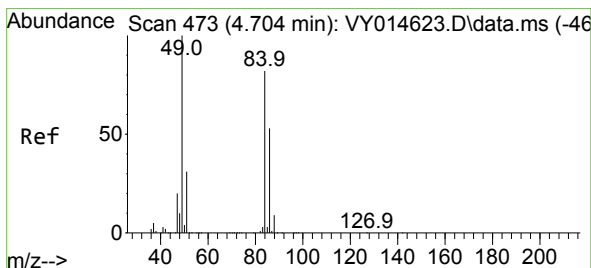
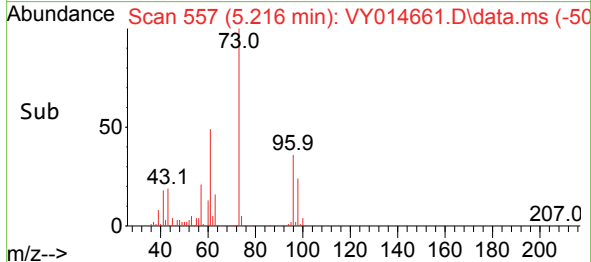
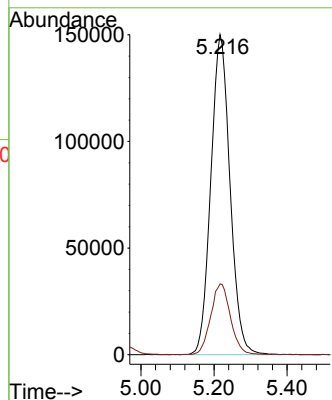
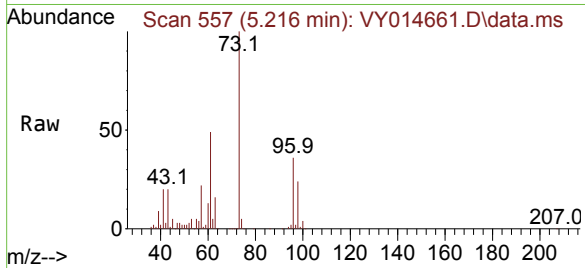
VSTDCCC050EC

Tgt Ion: 73 Resp: 546345

Ion Ratio Lower Upper

73 100

57 22.2 17.3 25.9



#20

Methylene Chloride

Concen: 54.264 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Tgt Ion: 84 Resp: 184915

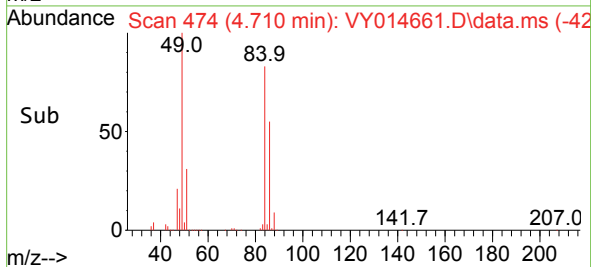
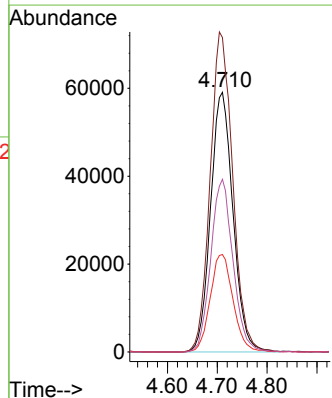
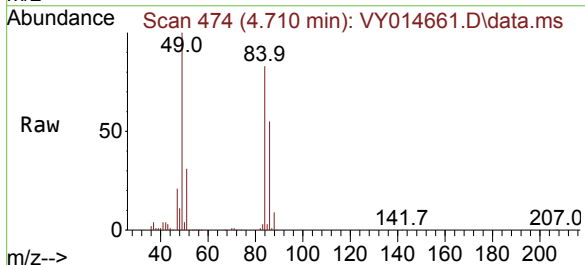
Ion Ratio Lower Upper

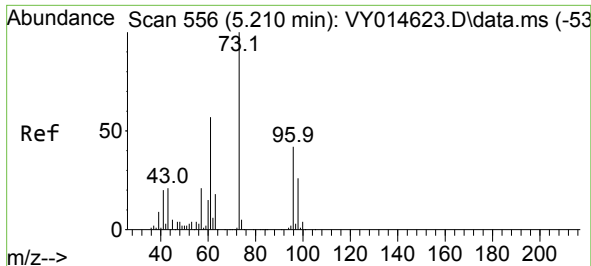
84 100

49 121.0 106.9 160.3

51 37.5 33.2 49.8

86 66.5 51.0 76.6

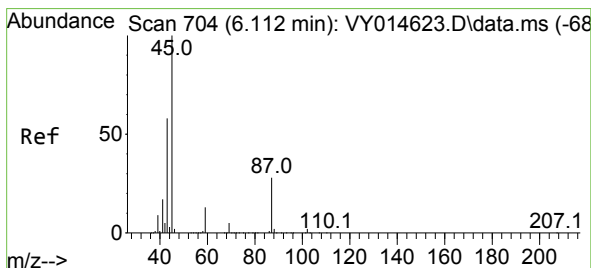
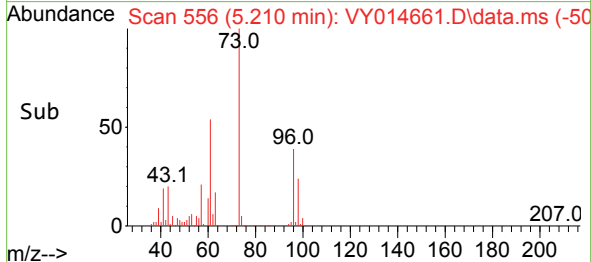
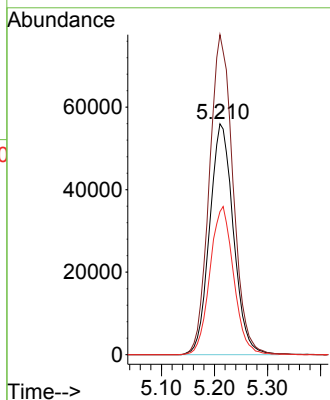
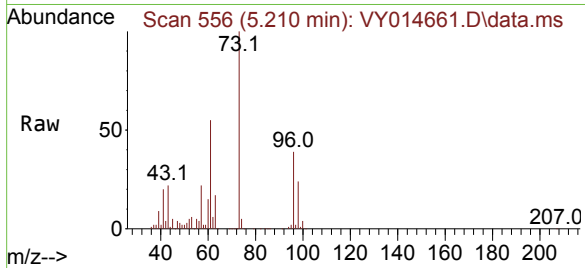




#21  
trans-1,2-Dichloroethene  
Concen: 53.434 ug/l  
RT: 5.210 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

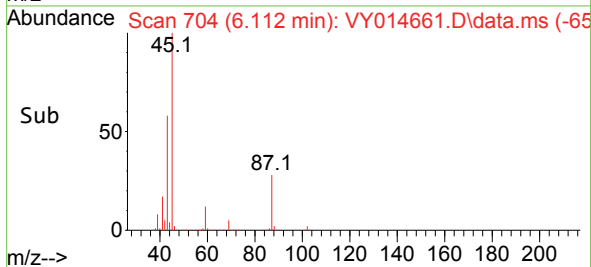
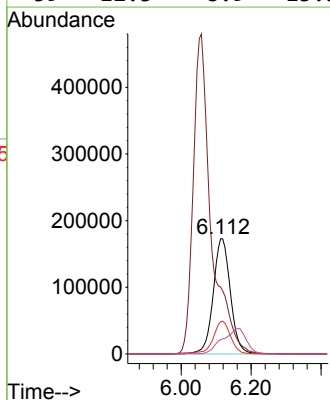
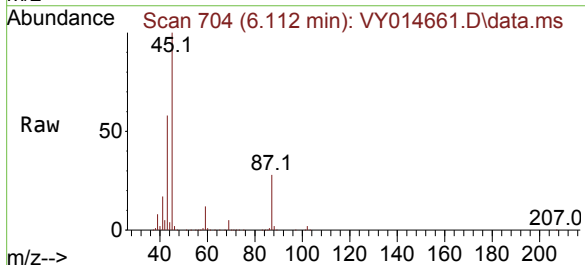
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

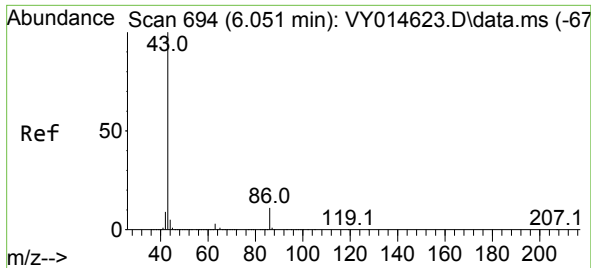
Tgt Ion: 96 Resp: 174625  
Ion Ratio Lower Upper  
96 100  
61 138.6 110.2 165.4  
98 61.9 51.8 77.6



#22  
Diisopropyl ether  
Concen: 56.661 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 45 Resp: 589009  
Ion Ratio Lower Upper  
45 100  
43 57.7 52.2 78.4  
87 27.9 21.0 31.6  
59 12.3 8.9 13.3

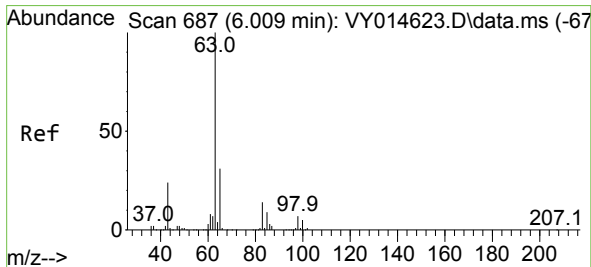
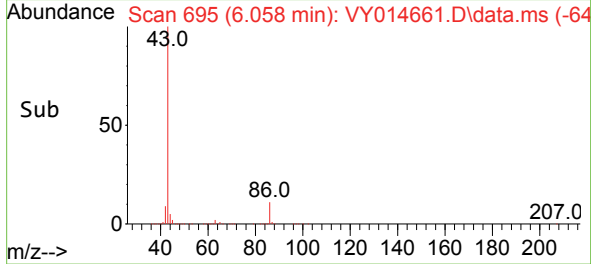
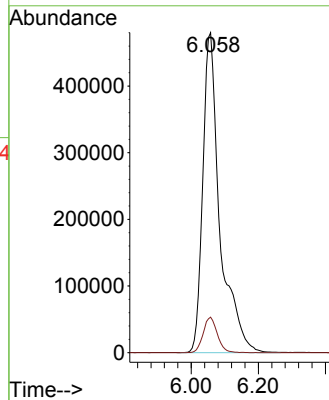
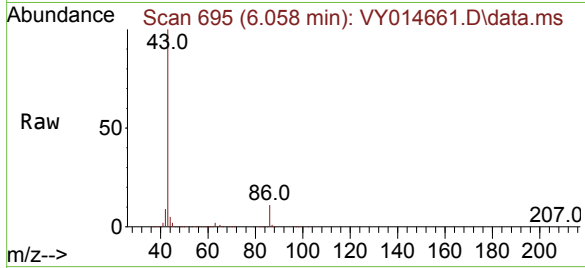




#23  
 Vinyl Acetate  
 Concen: 272.737 ug/l  
 RT: 6.058 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

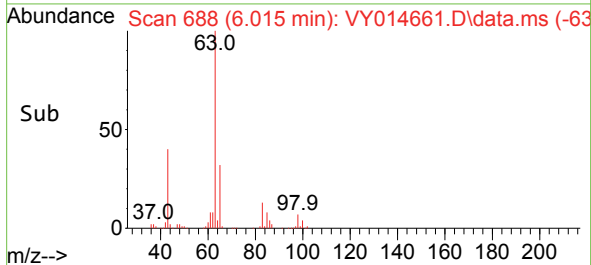
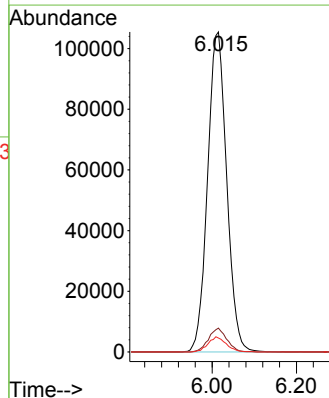
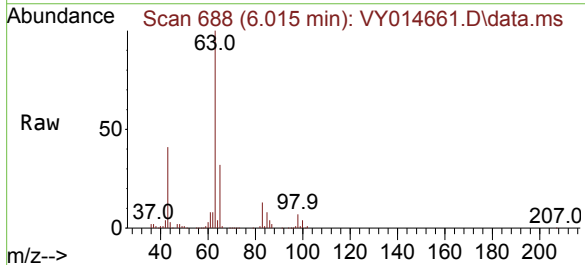
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

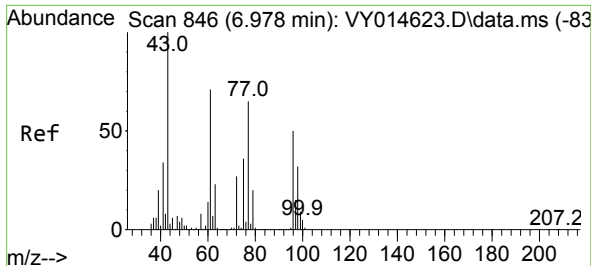
Tgt Ion: 43 Resp: 1696672  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 55.738 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. 0.006 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Tgt Ion: 63 Resp: 331537  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.1 9.4  
 100 4.3 1.8 5.5

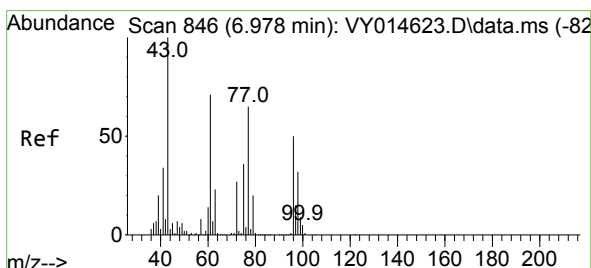
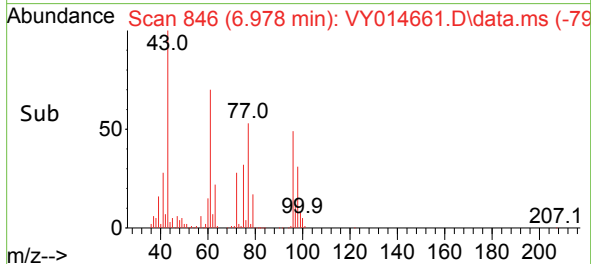
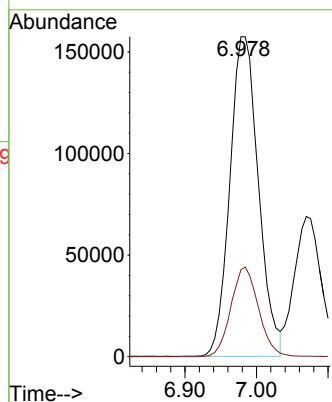
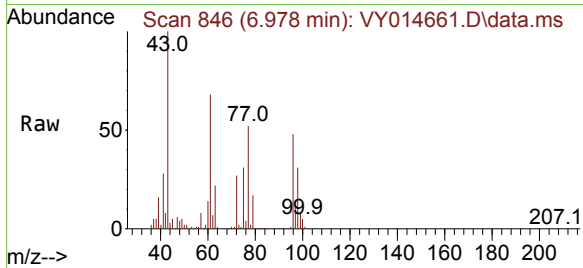




#25  
2-Butanone  
Concen: 282.608 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

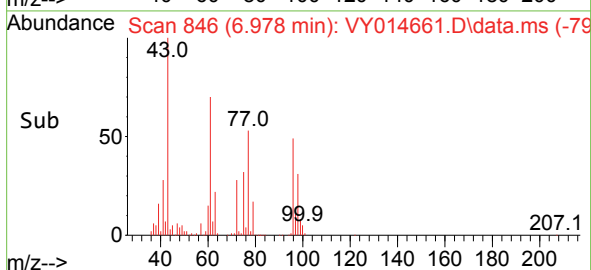
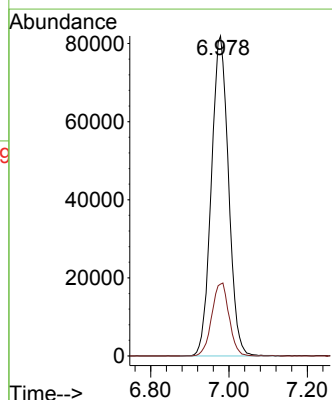
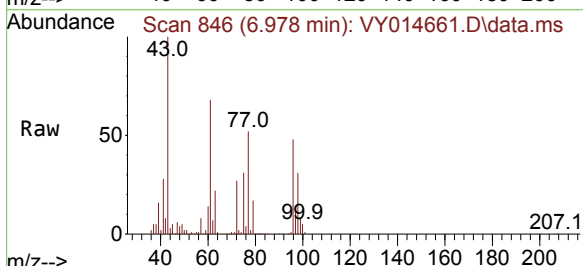
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

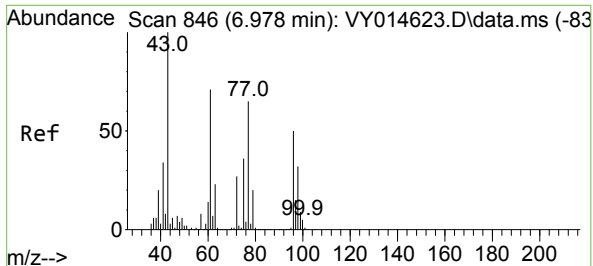
Tgt Ion: 43 Resp: 436604  
Ion Ratio Lower Upper  
43 100  
72 27.2 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 43.967 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 77 Resp: 249243  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 55.731 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

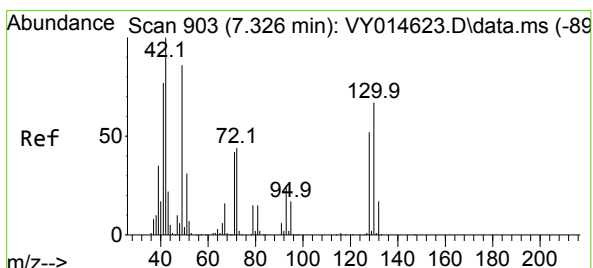
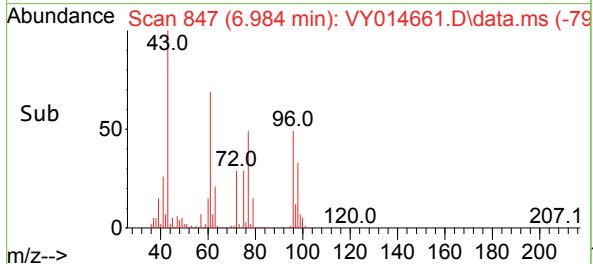
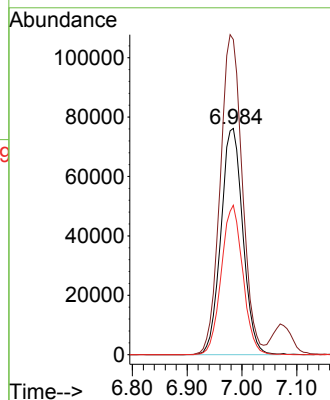
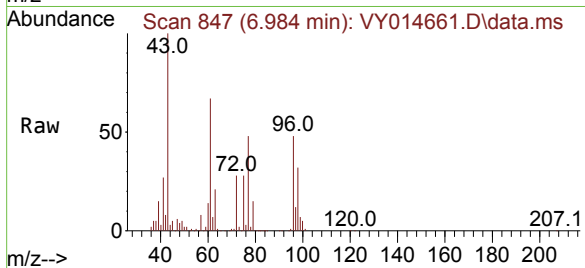
Tgt Ion: 96 Resp: 211998

Ion Ratio Lower Upper

96 100

61 142.5 0.0 301.4

98 64.8 0.0 130.4



#28

Bromochloromethane

Concen: 53.449 ug/l

RT: 7.332 min Scan# 904

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

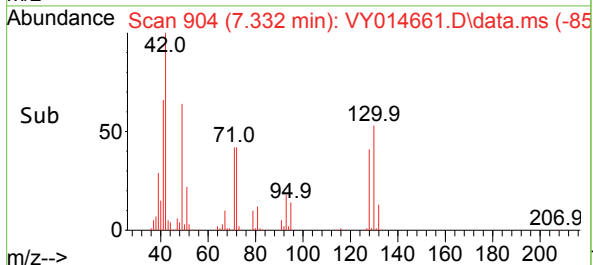
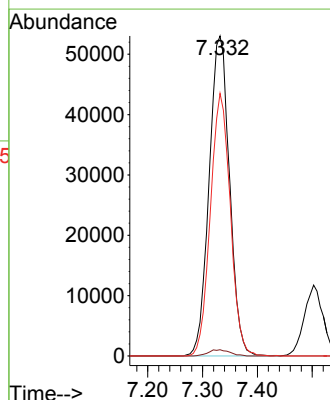
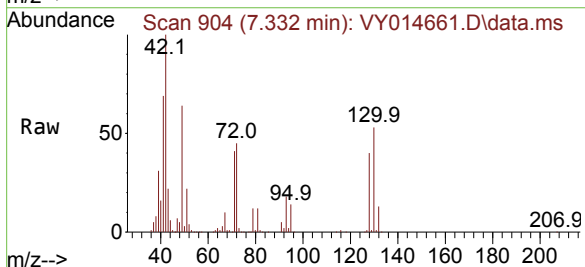
Tgt Ion: 49 Resp: 136923

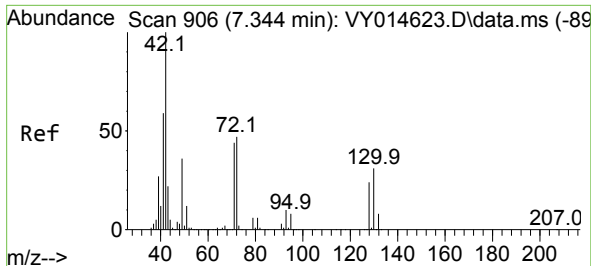
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 80.1 60.7 91.1

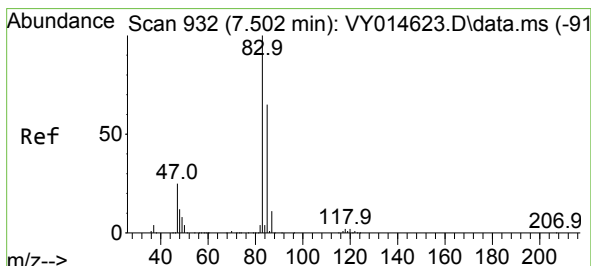
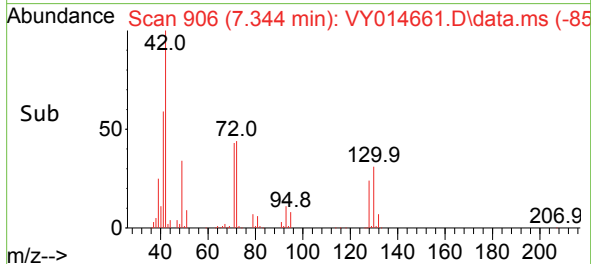
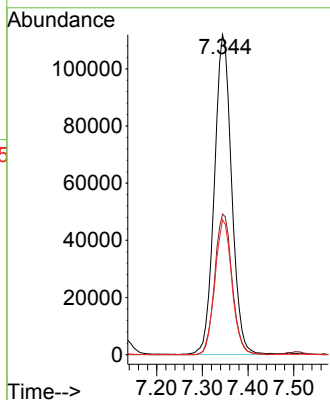
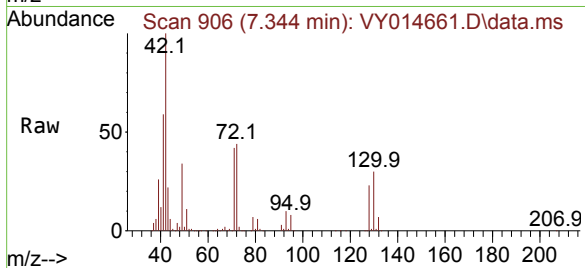




#29  
Tetrahydrofuran  
Concen: 309.253 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

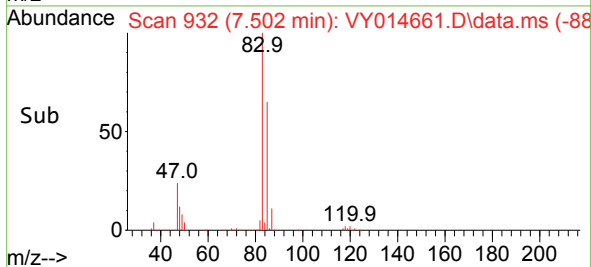
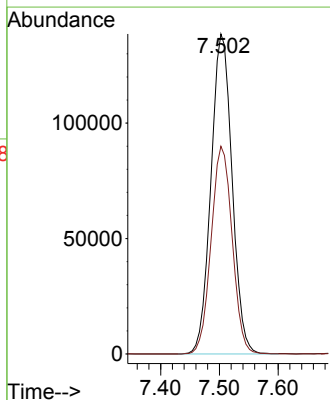
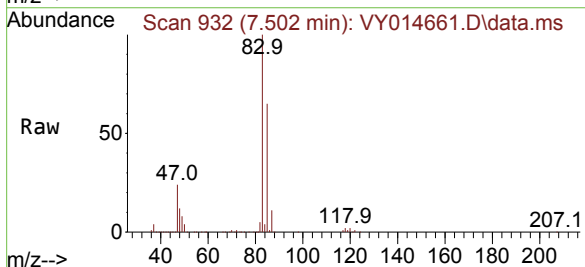
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

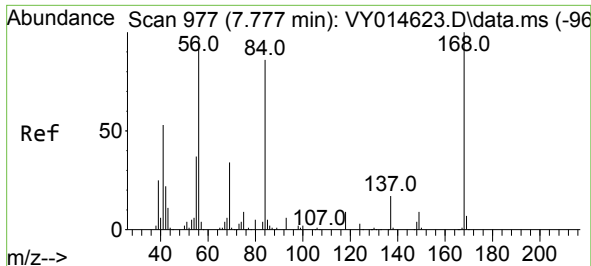
Tgt Ion: 42 Resp: 294188  
Ion Ratio Lower Upper  
42 100  
72 44.3 32.8 49.2  
71 41.6 31.0 46.4



#30  
Chloroform  
Concen: 56.424 ug/l  
RT: 7.502 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 83 Resp: 346085  
Ion Ratio Lower Upper  
83 100  
85 64.9 49.7 74.5

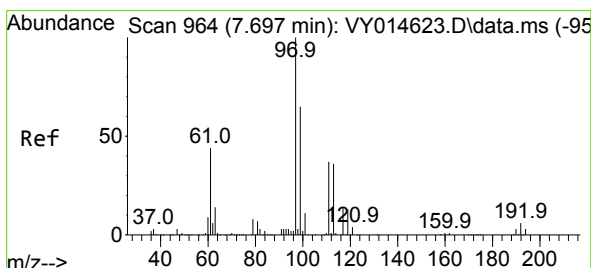
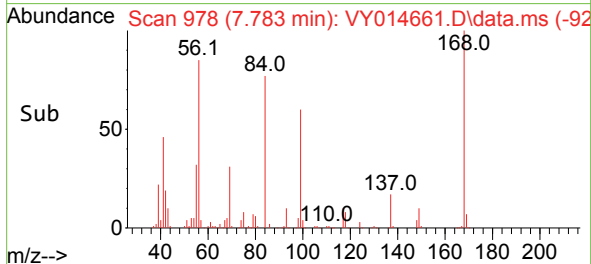
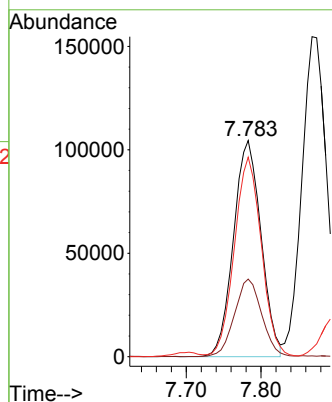
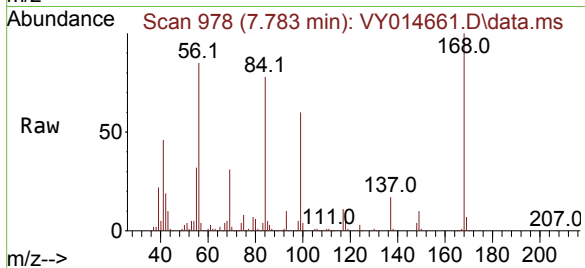




#31  
Cyclohexane  
Concen: 48.414 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

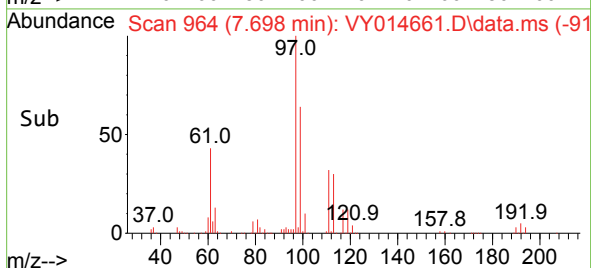
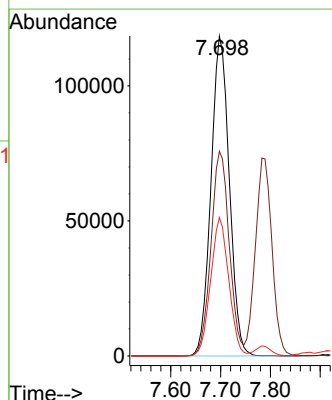
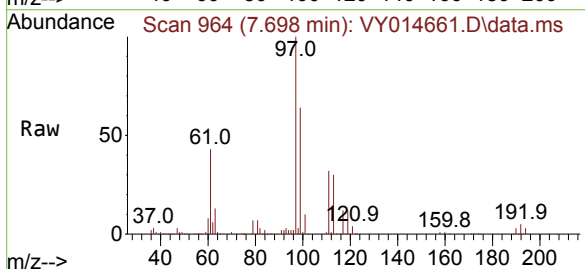
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

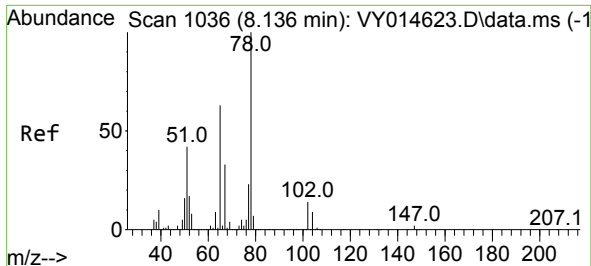
Tgt Ion: 56 Resp: 267817  
Ion Ratio Lower Upper  
56 100  
69 35.8 27.8 41.6  
84 90.4 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 54.702 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 97 Resp: 301978  
Ion Ratio Lower Upper  
97 100  
99 64.2 50.8 76.2  
61 42.9 35.1 52.7

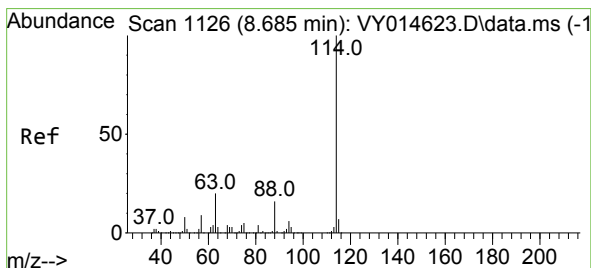
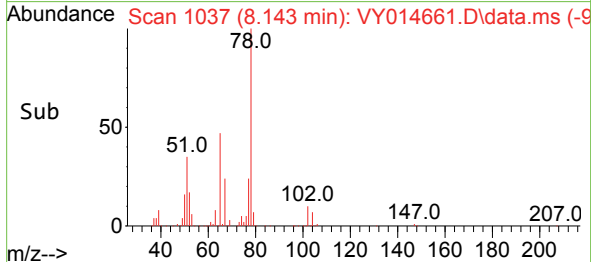
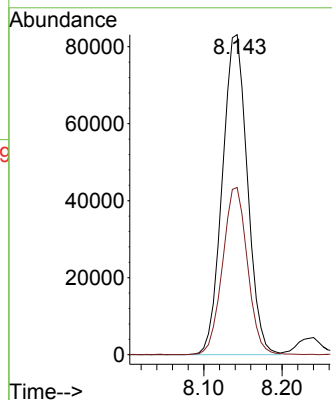
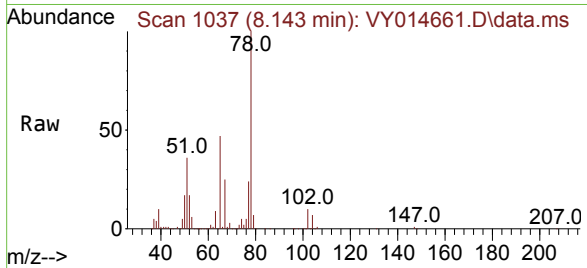




#33  
1,2-Dichloroethane-d4  
Concen: 55.486 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.007 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

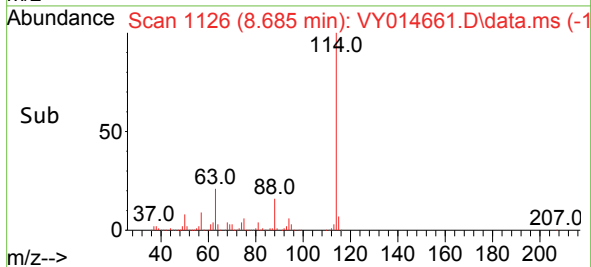
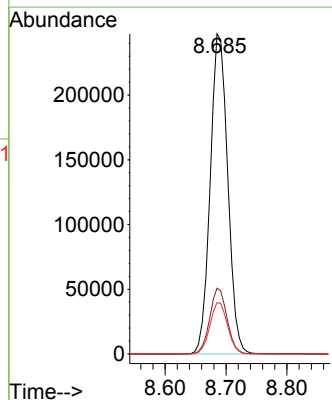
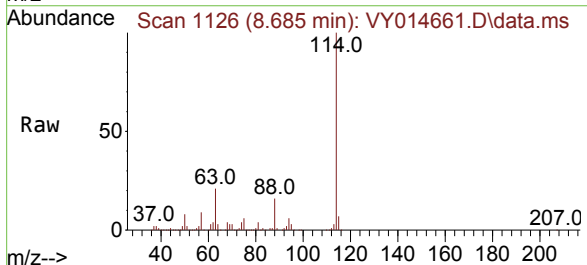
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

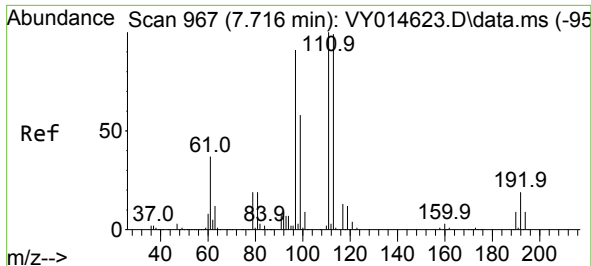
Tgt Ion: 65 Resp: 184900  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 114 Resp: 493794  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 42.4  
88 16.0 0.0 30.6

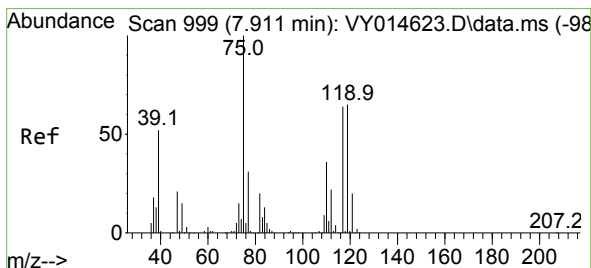
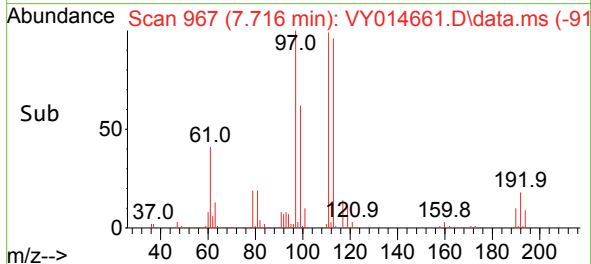
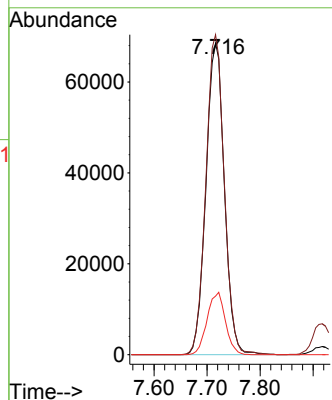
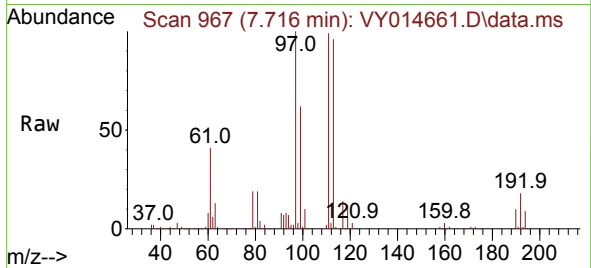




#35  
Dibromofluoromethane  
Concen: 52.578 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

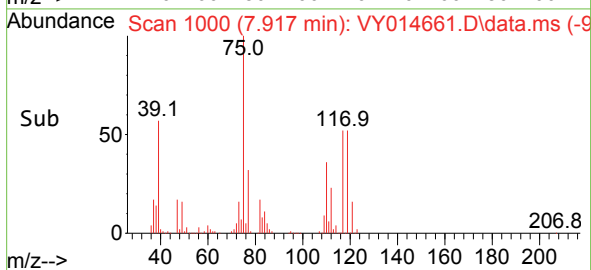
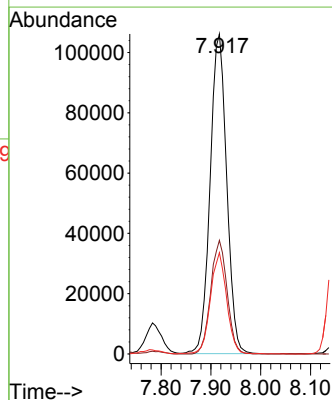
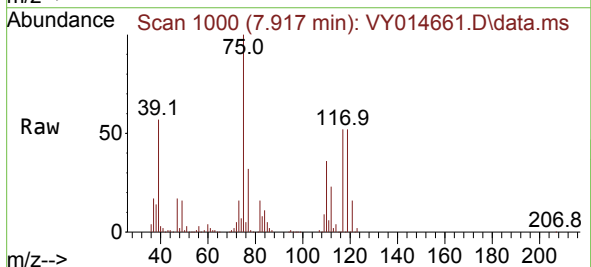
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

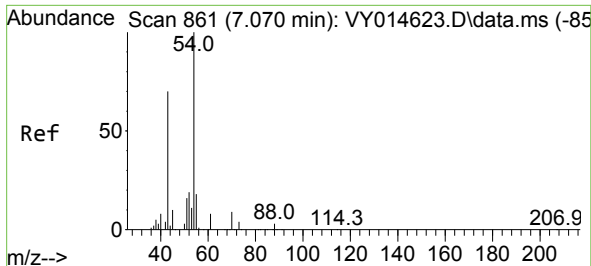
Tgt Ion:113 Resp: 165272  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.3 121.9  
192 19.9 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 52.037 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 75 Resp: 244615  
Ion Ratio Lower Upper  
75 100  
110 35.2 17.8 53.5  
77 30.8 24.4 36.6





#37

Ethyl Acetate

Concen: 57.729 ug/l

RT: 7.070 min Scan# 861

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

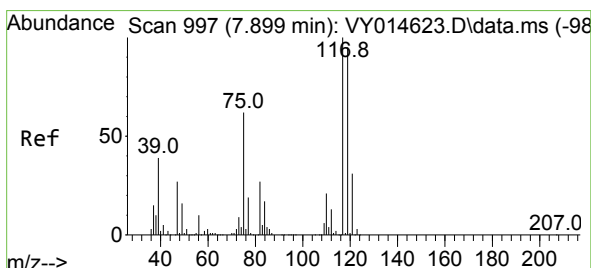
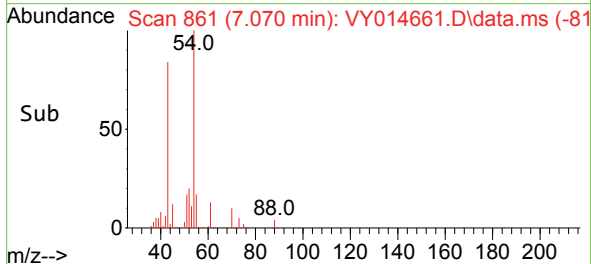
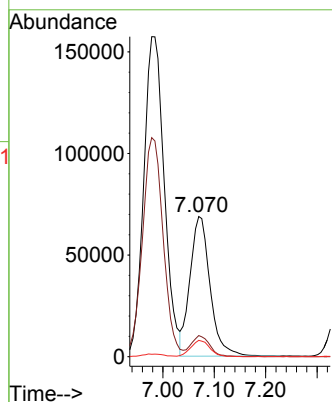
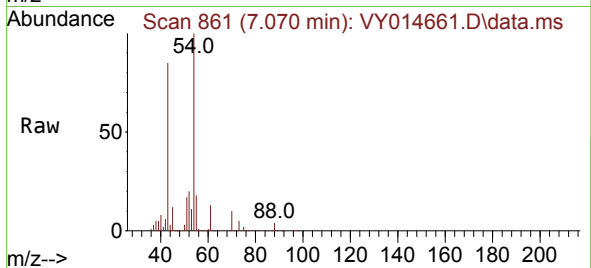
Tgt Ion: 43 Resp: 186841

Ion Ratio Lower Upper

43 100

61 13.9 10.1 15.1

70 11.1 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 53.371 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

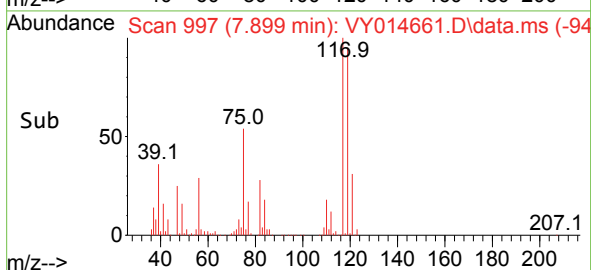
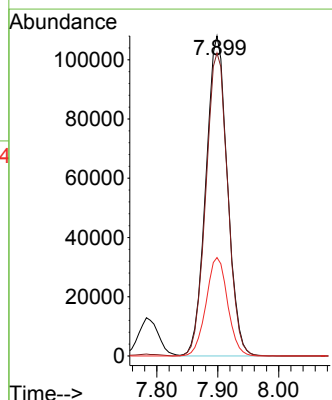
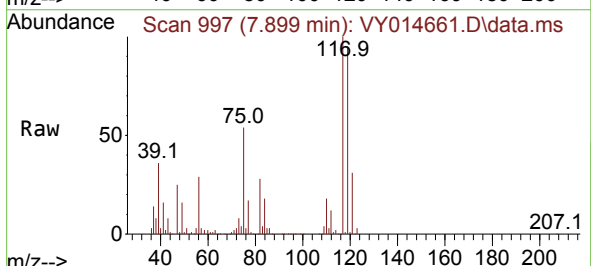
Tgt Ion: 117 Resp: 265209

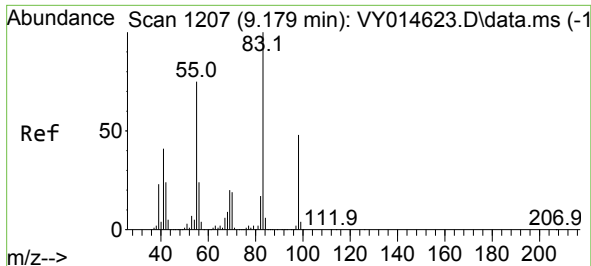
Ion Ratio Lower Upper

117 100

119 94.7 76.4 114.6

121 30.7 25.8 38.6





#39

Methylcyclohexane

Concen: 49.402 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

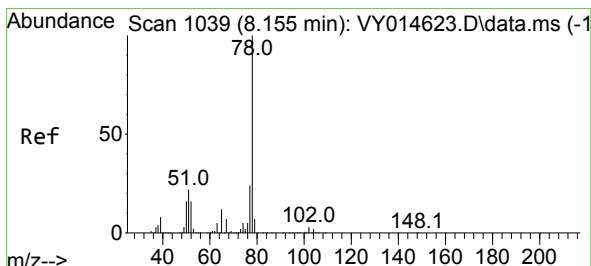
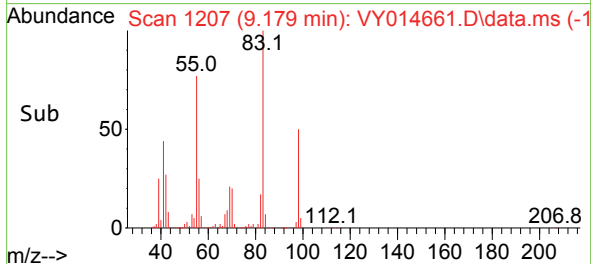
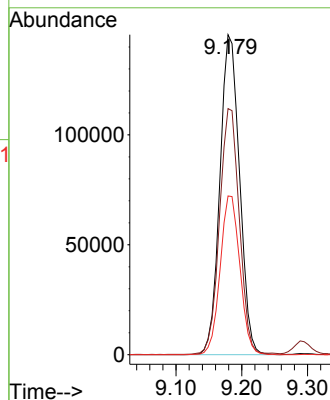
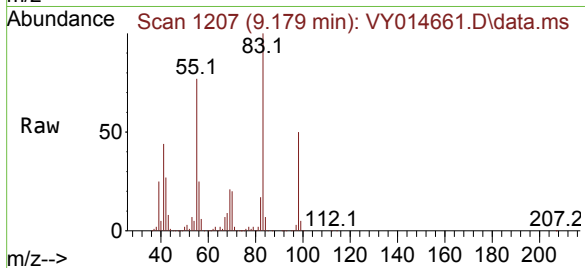
Tgt Ion: 83 Resp: 302549

Ion Ratio Lower Upper

83 100

55 76.8 63.0 94.4

98 49.6 37.4 56.2



#40

Benzene

Concen: 53.695 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014661.D

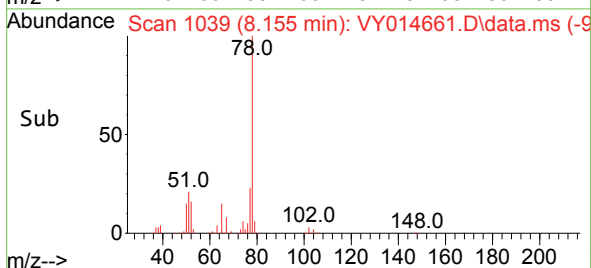
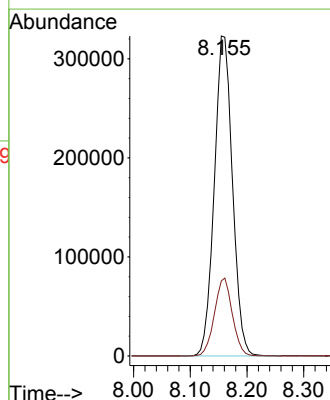
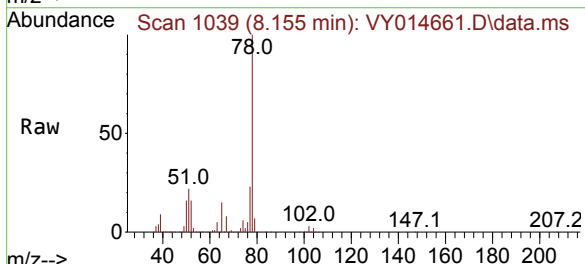
Acq: 14 Jul 2023 20:36

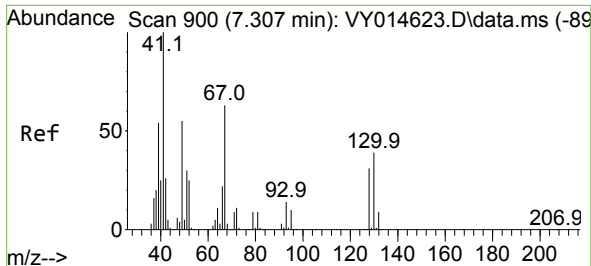
Tgt Ion: 78 Resp: 717870

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

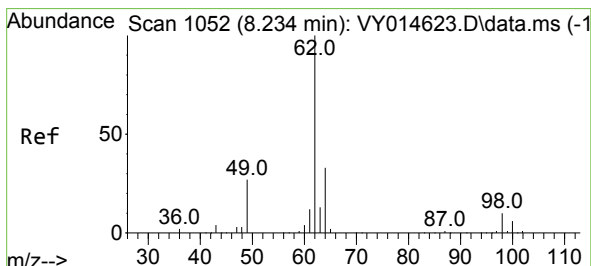
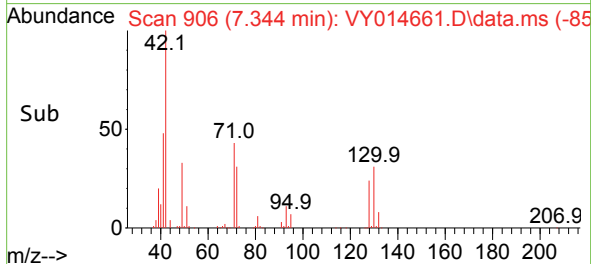
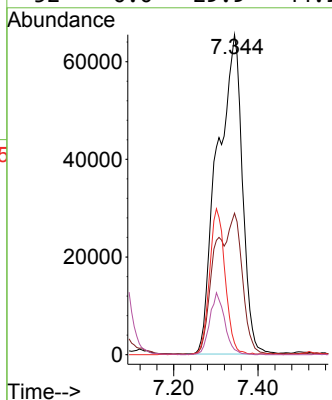
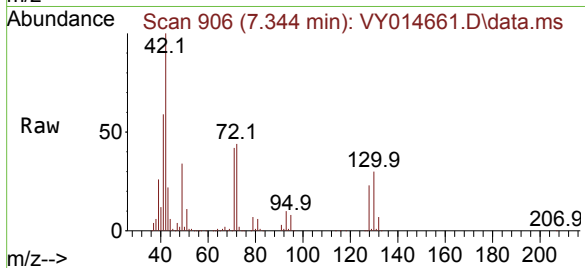




#41  
Methacrylonitrile  
Concen: 160.981 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.037 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

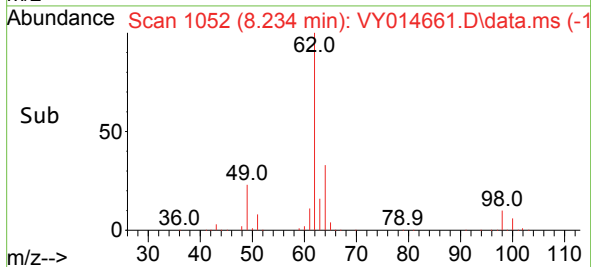
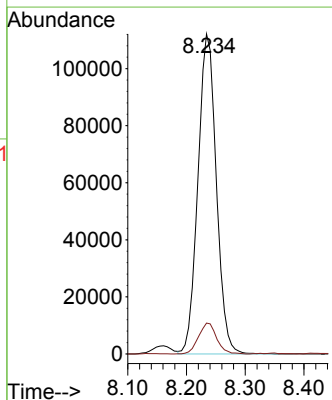
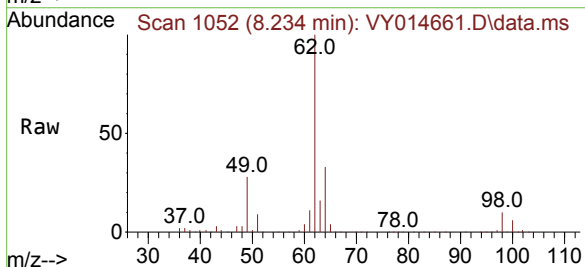
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

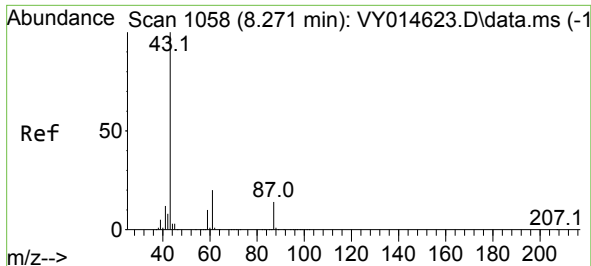
Tgt Ion: 41 Resp: 267989  
Ion Ratio Lower Upper  
41 100  
39 0.0 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 57.691 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 62 Resp: 244249  
Ion Ratio Lower Upper  
62 100  
98 9.5 0.0 15.8

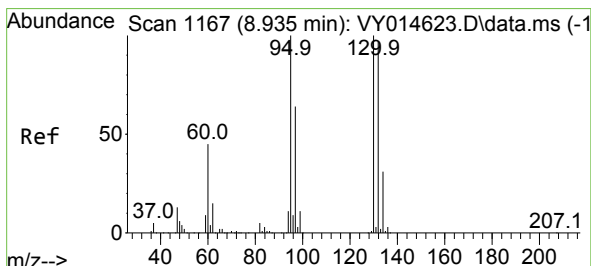
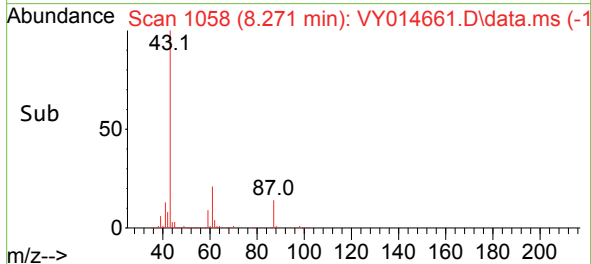
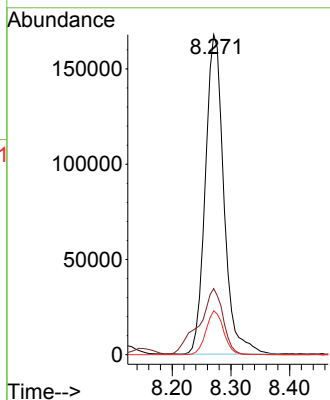
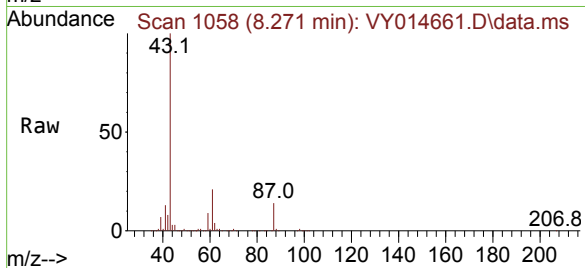




#43  
Isopropyl Acetate  
Concen: 59.663 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

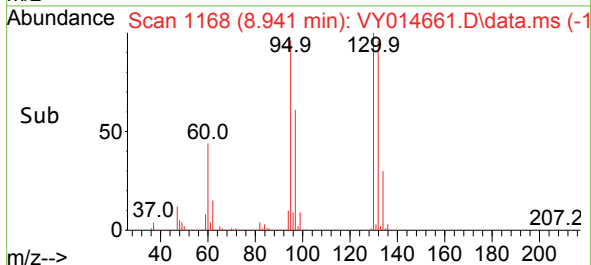
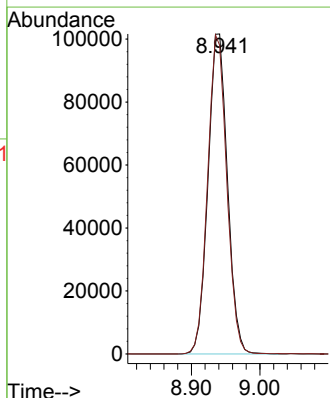
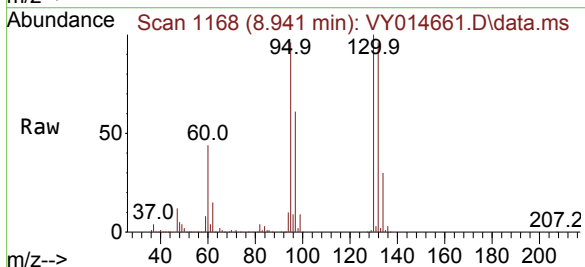
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

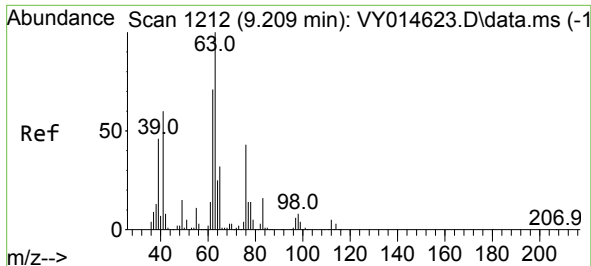
Tgt Ion: 43 Resp: 367837  
Ion Ratio Lower Upper  
43 100  
61 26.8 21.1 31.7  
87 13.1 9.8 14.8



#44  
Trichloroethene  
Concen: 53.594 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion:130 Resp: 200475  
Ion Ratio Lower Upper  
130 100  
95 96.4 0.0 196.0





#45

1,2-Dichloropropane

Concen: 54.825 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. 0.007 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

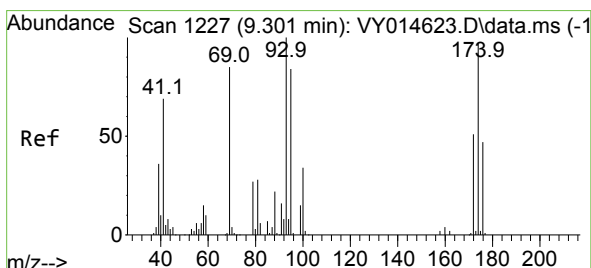
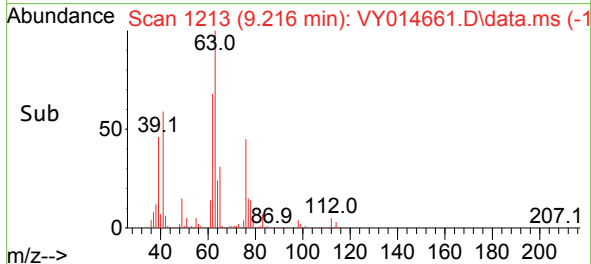
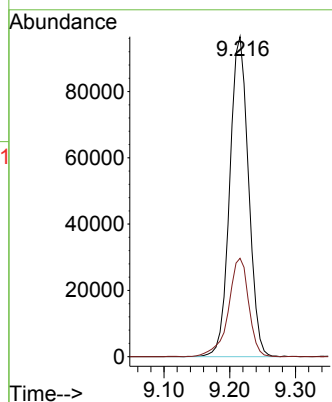
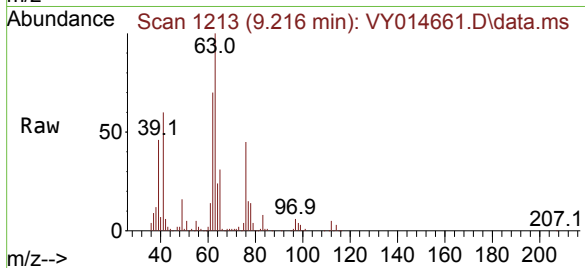
VSTDCCC050EC

Tgt Ion: 63 Resp: 191398

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 55.679 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

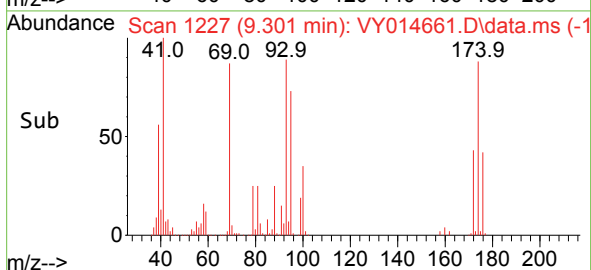
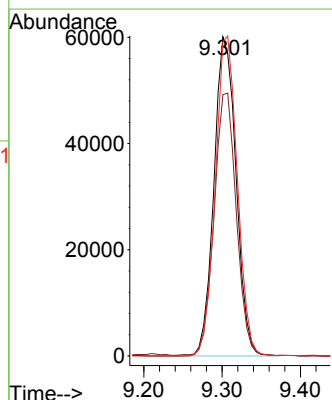
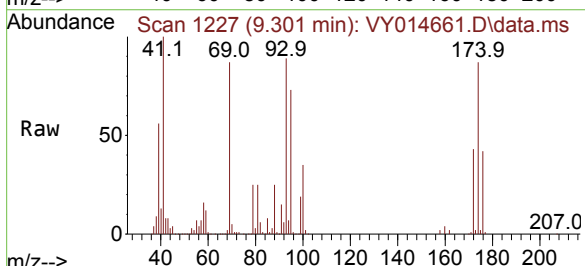
Tgt Ion: 93 Resp: 117919

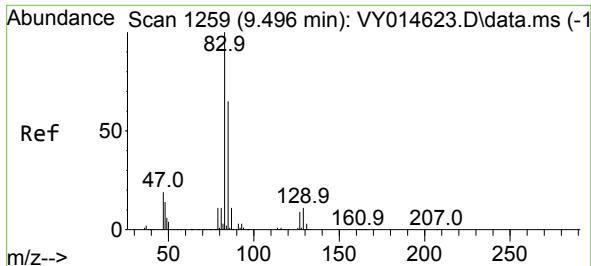
Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 99.7 84.8 127.2

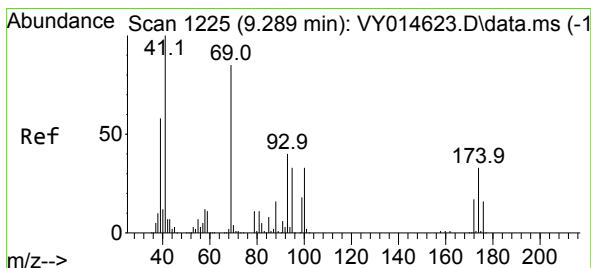
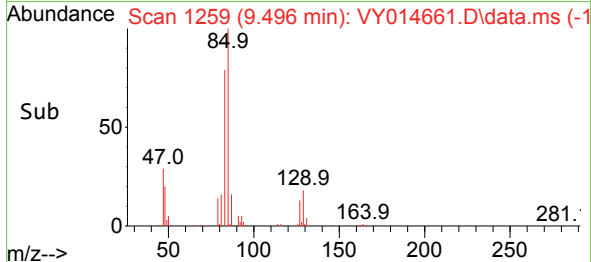
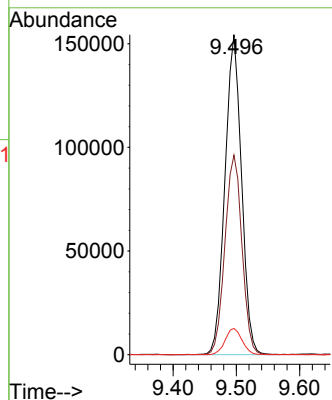
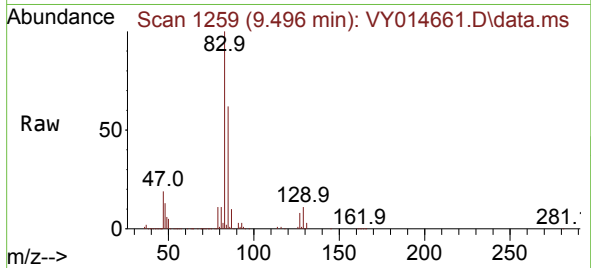




#47  
Bromodichloromethane  
Concen: 56.081 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

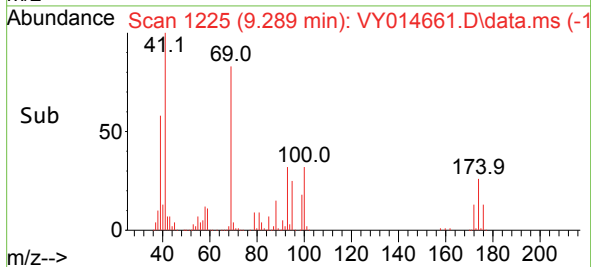
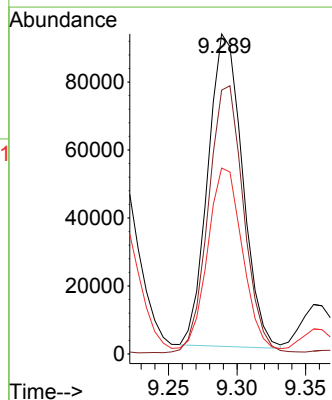
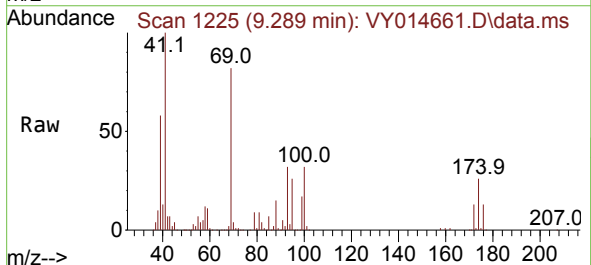
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

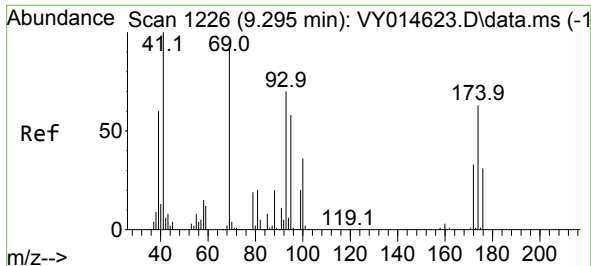
Tgt Ion: 83 Resp: 279930  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.1 75.1  
127 8.2 7.1 10.7



#48  
Methyl methacrylate  
Concen: 58.146 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 41 Resp: 161307  
Ion Ratio Lower Upper  
41 100  
69 86.9 64.5 96.7  
39 61.4 50.8 76.2





#49

1,4-Dioxane

Concen: 1227.539 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

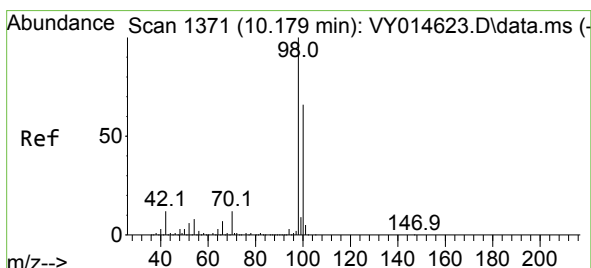
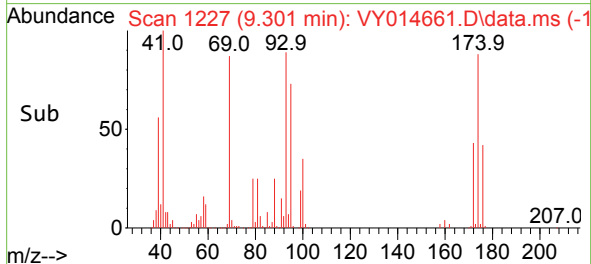
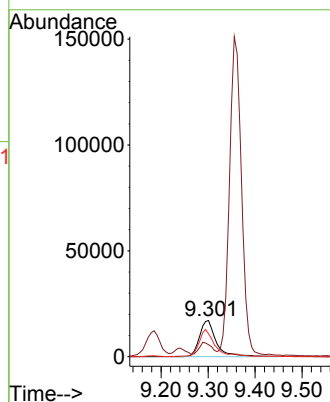
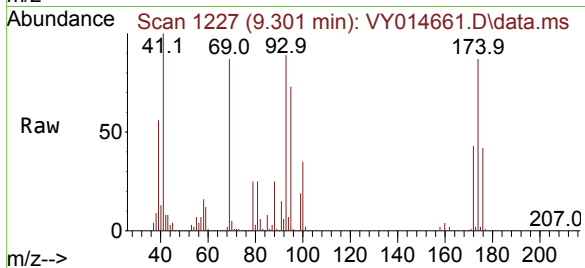
Tgt Ion: 88 Resp: 42391

Ion Ratio Lower Upper

88 100

43 27.5 0.0 0.0#

58 65.2 30.9 46.3#



#50

Toluene-d8

Concen: 51.214 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY014661.D

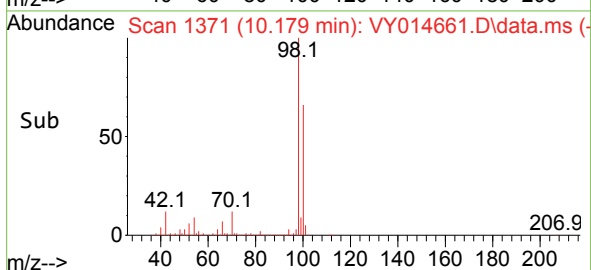
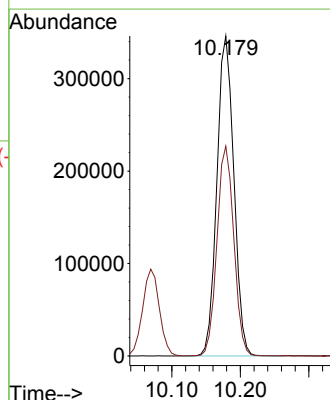
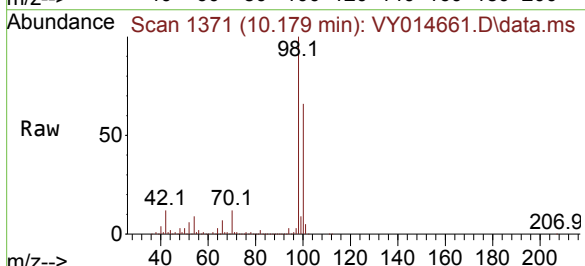
Acq: 14 Jul 2023 20:36

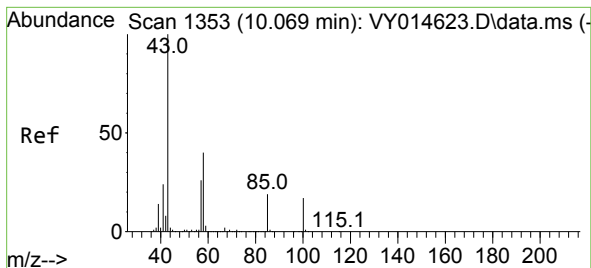
Tgt Ion: 98 Resp: 593520

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

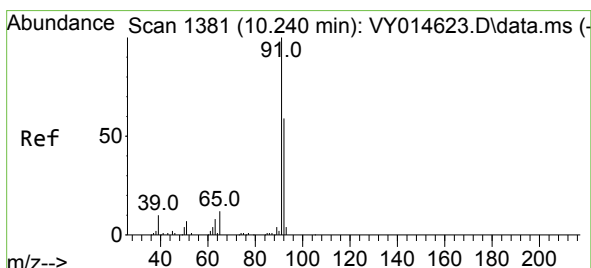
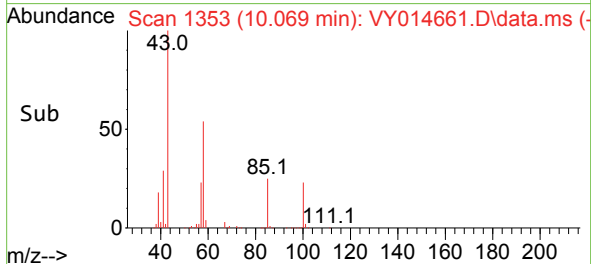
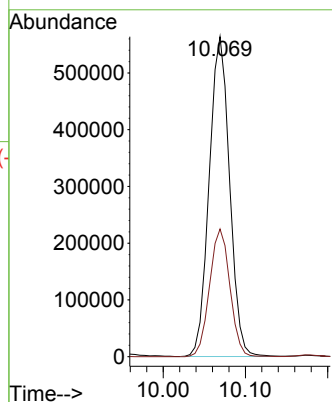
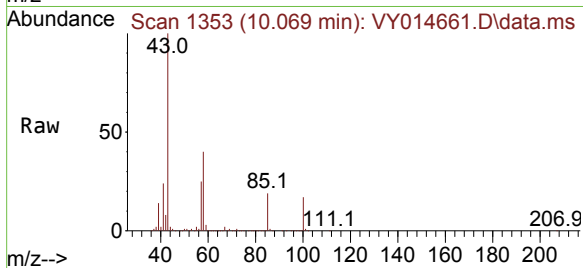




#51  
4-Methyl-2-Pentanone  
Concen: 300.272 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

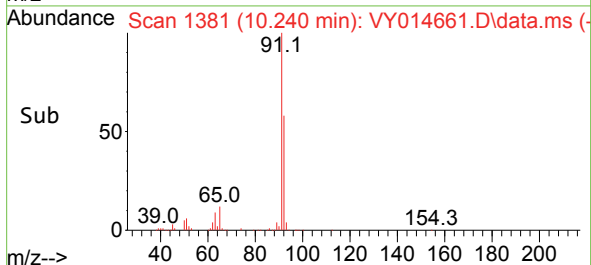
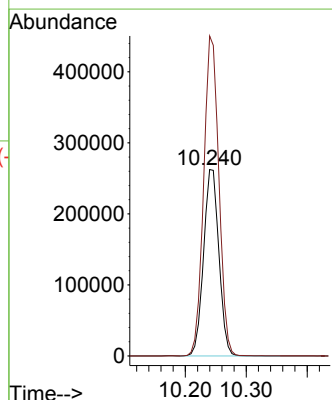
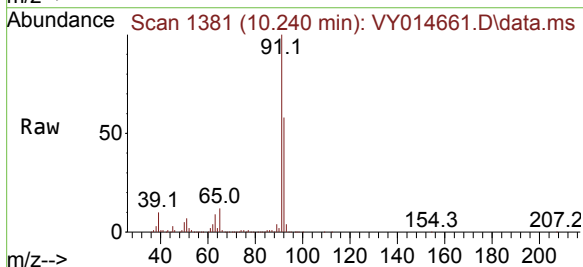
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

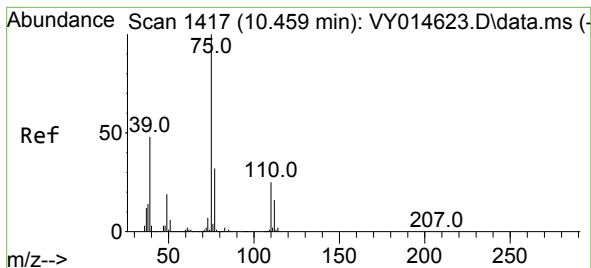
Tgt Ion: 43 Resp: 971989  
Ion Ratio Lower Upper  
43 100  
58 39.8 29.0 43.6



#52  
Toluene  
Concen: 53.588 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 92 Resp: 458446  
Ion Ratio Lower Upper  
92 100  
91 170.2 143.8 215.6

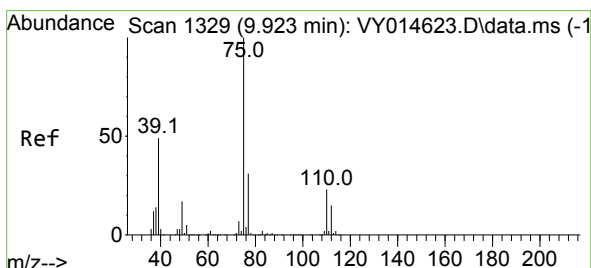
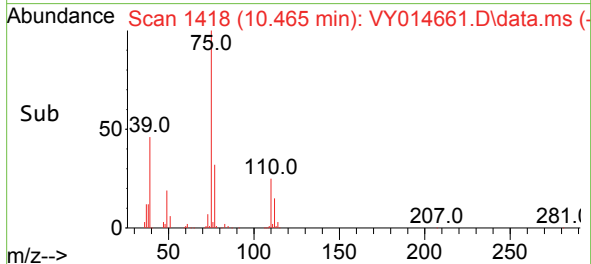
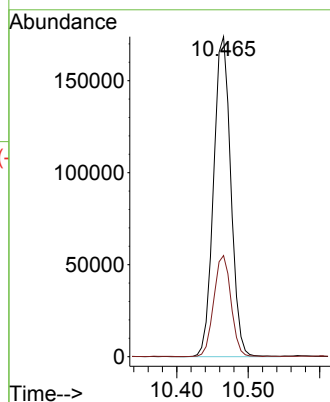
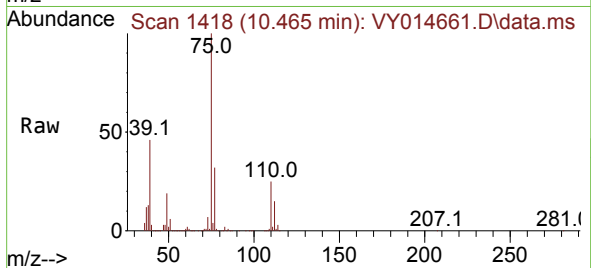




#53  
 t-1,3-Dichloropropene  
 Concen: 53.254 ug/l  
 RT: 10.465 min Scan# 1417  
 Delta R.T. 0.006 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

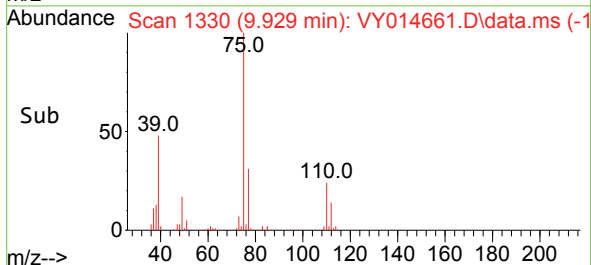
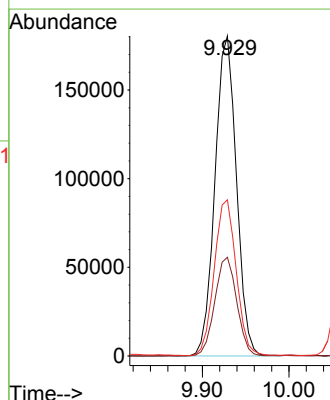
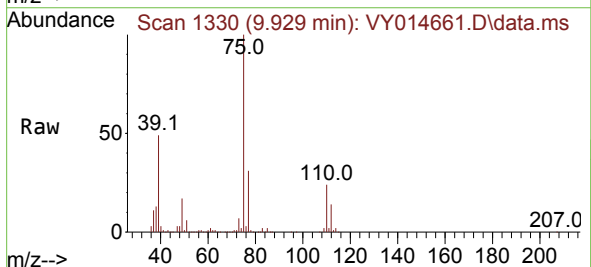
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

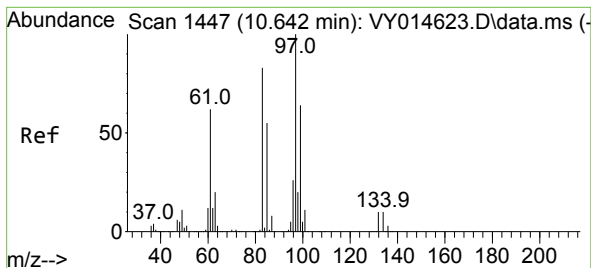
Tgt Ion: 75 Resp: 290762  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 52.326 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. 0.006 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Tgt Ion: 75 Resp: 310683  
 Ion Ratio Lower Upper  
 75 100  
 77 30.8 24.2 36.4  
 39 48.6 42.2 63.4



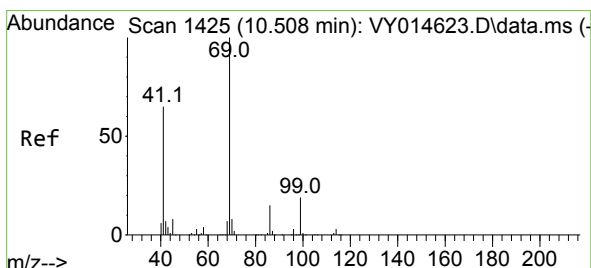
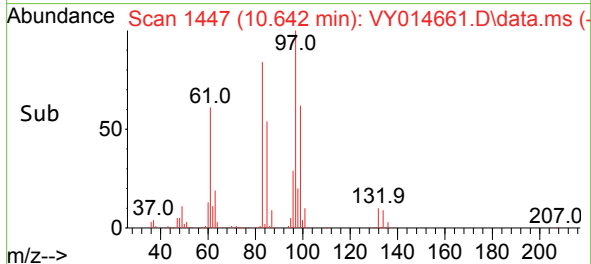
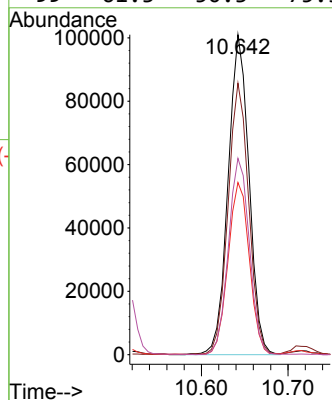
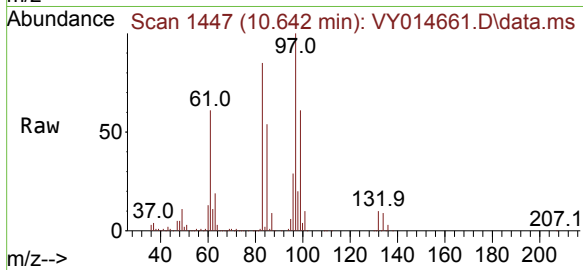


#55  
 1,1,2-Trichloroethane  
 Concen: 57.431 ug/l  
 RT: 10.642 min Scan# 1447  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Tgt Ion: 97 Resp: 169426

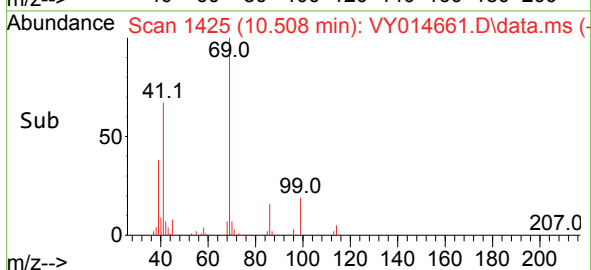
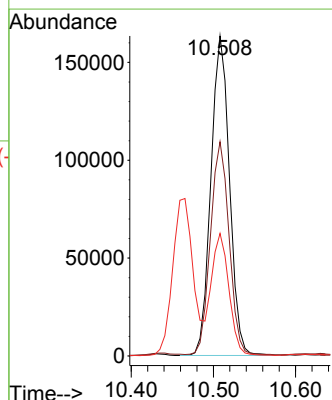
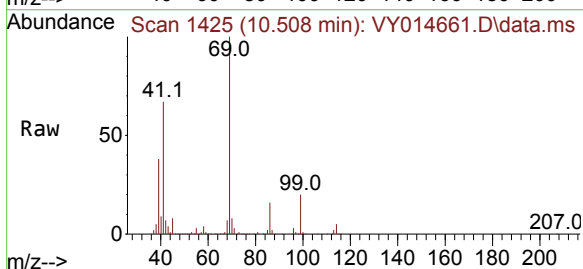
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.7  | 72.0  | 108.0 |
| 85  | 53.7  | 45.4  | 68.0  |
| 99  | 61.3  | 50.3  | 75.5  |

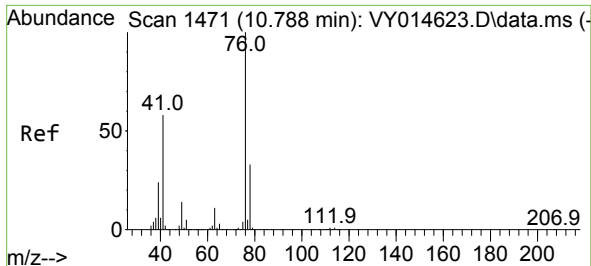


#56  
 Ethyl methacrylate  
 Concen: 56.931 ug/l  
 RT: 10.508 min Scan# 1425  
 Delta R.T. 0.000 min  
 Lab File: VY014661.D  
 Acq: 14 Jul 2023 20:36

Tgt Ion: 69 Resp: 256435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 66.8  | 57.6  | 86.4  |
| 39  | 35.3  | 34.1  | 51.1  |

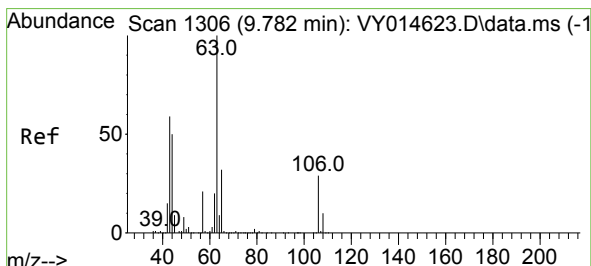
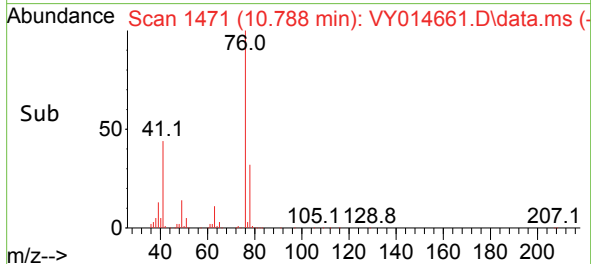
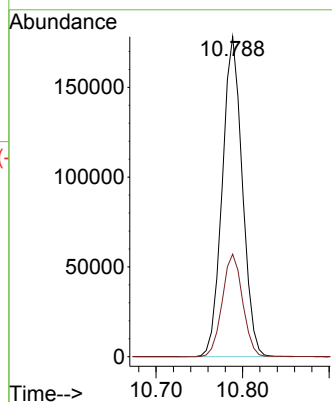
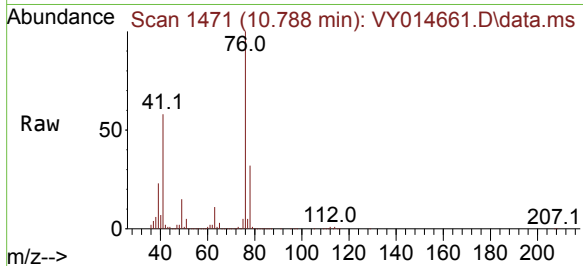




#57  
1,3-Dichloropropane  
Concen: 56.243 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

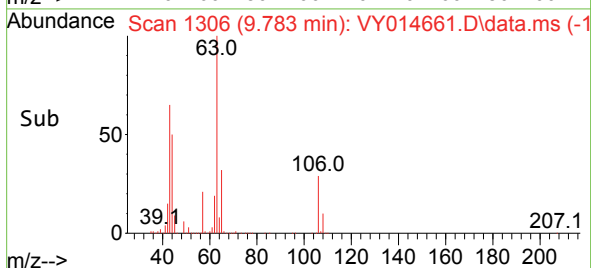
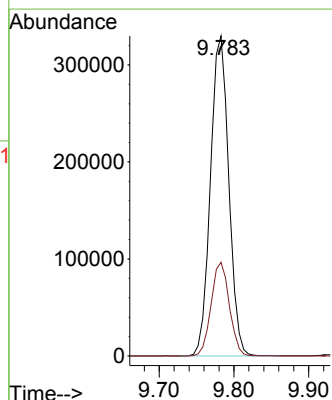
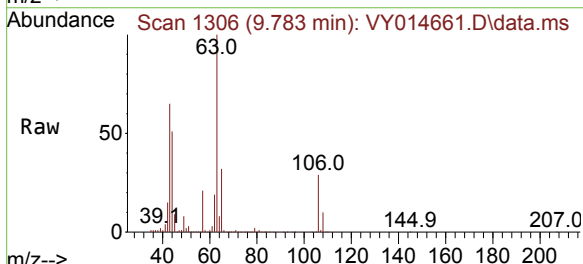
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

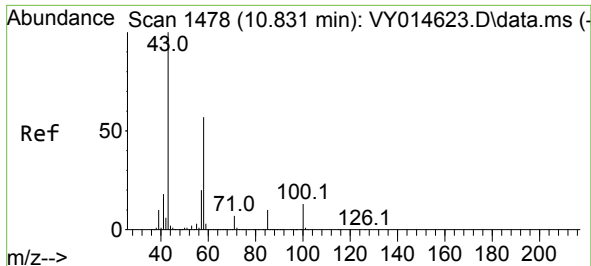
Tgt Ion: 76 Resp: 286182  
Ion Ratio Lower Upper  
76 100  
78 32.5 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 267.293 ug/l  
RT: 9.783 min Scan# 1306  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 63 Resp: 560979  
Ion Ratio Lower Upper  
63 100  
106 29.1 21.2 31.8

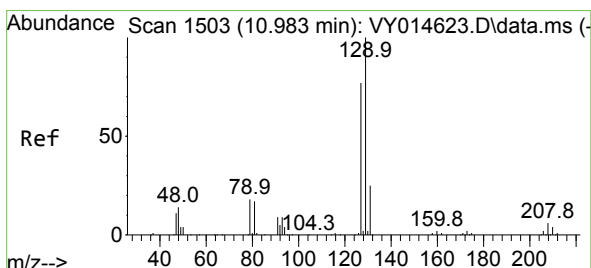
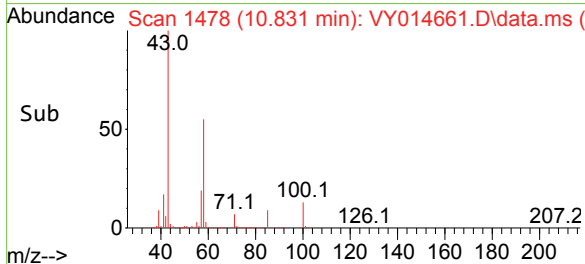
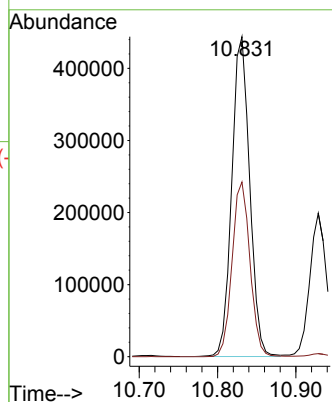
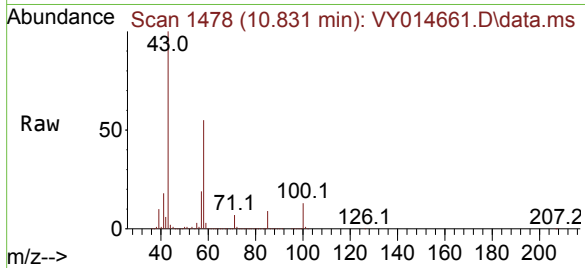




#59  
2-Hexanone  
Concen: 297.628 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

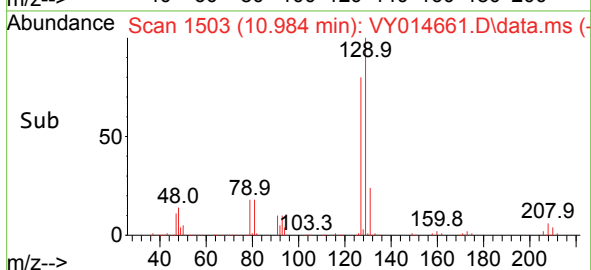
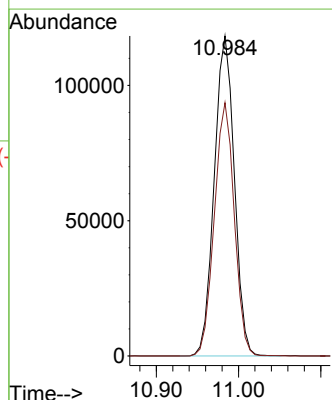
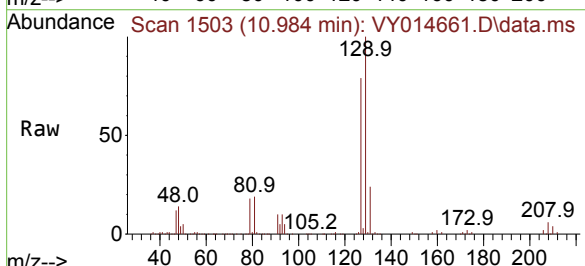
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

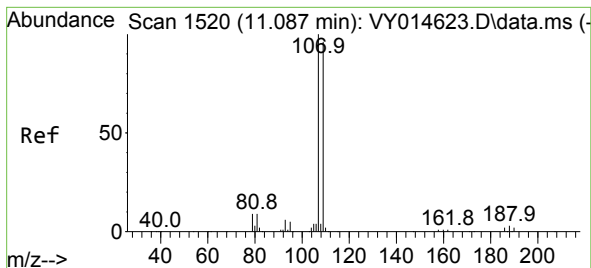
Tgt Ion: 43 Resp: 702585  
Ion Ratio Lower Upper  
43 100  
58 54.6 25.1 75.3



#60  
Dibromochloromethane  
Concen: 55.502 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 129 Resp: 200752  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.5 115.5

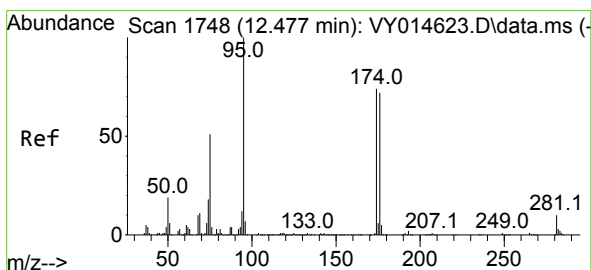
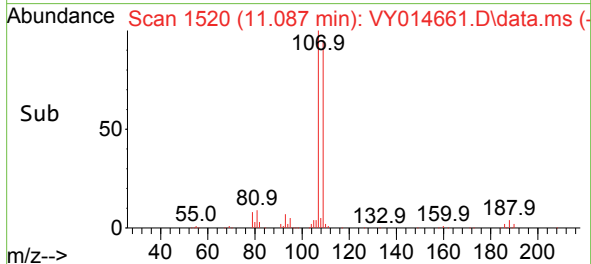
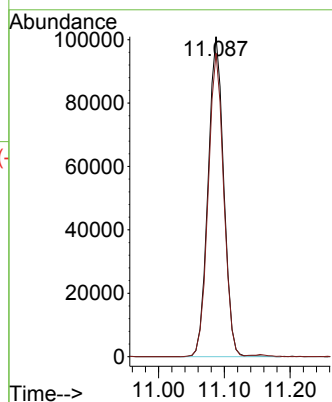
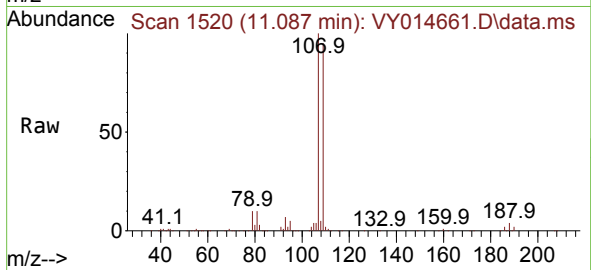




#61  
1,2-Dibromoethane  
Concen: 56.629 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

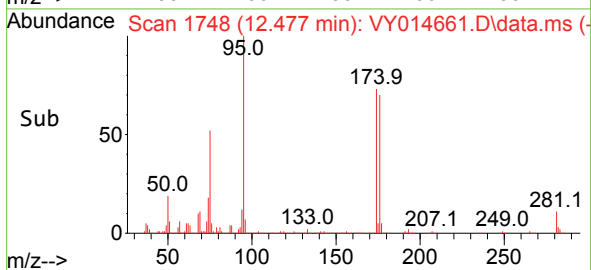
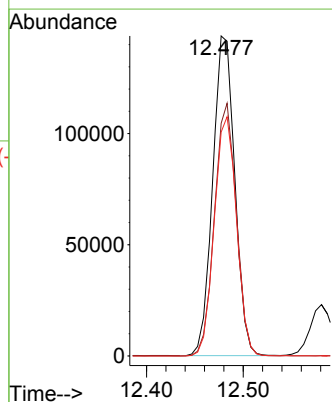
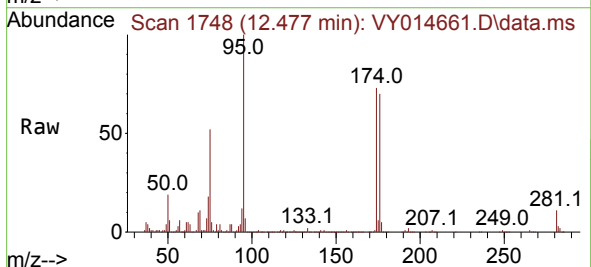
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

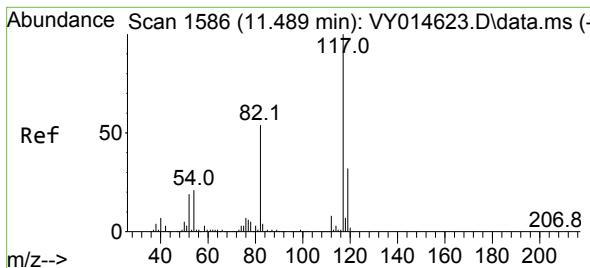
Tgt Ion:107 Resp: 166660  
Ion Ratio Lower Upper  
107 100  
109 94.1 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 51.292 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 95 Resp: 227922  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 178.2  
176 75.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

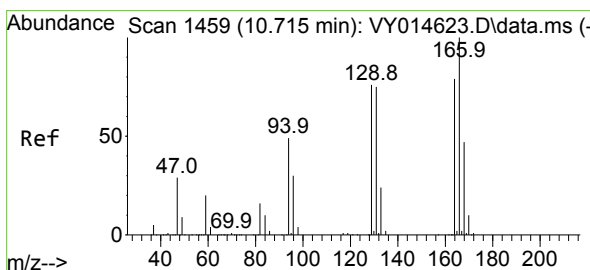
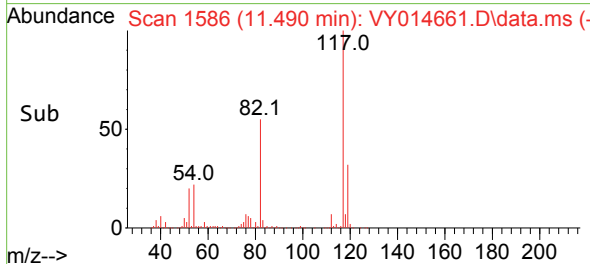
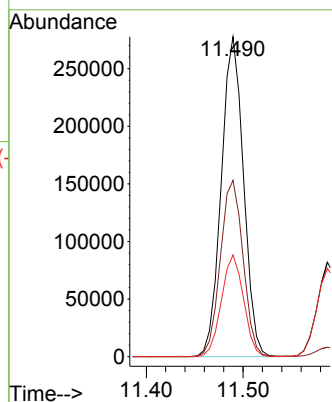
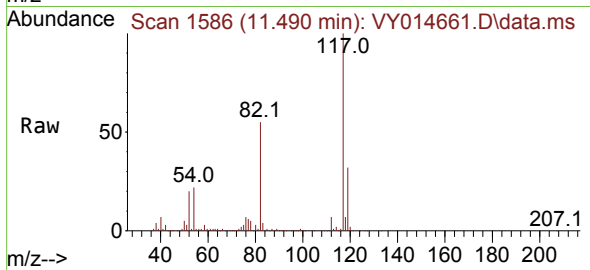
Tgt Ion:117 Resp: 443140

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 31.8 26.3 39.5



#64

Tetrachloroethene

Concen: 54.564 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Tgt Ion:164 Resp: 194466

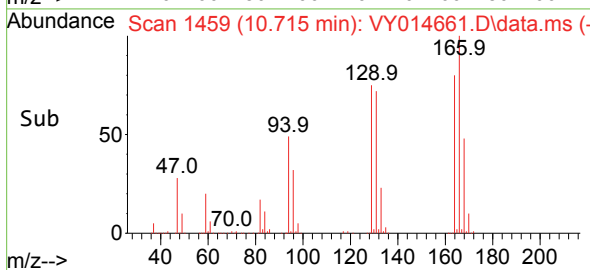
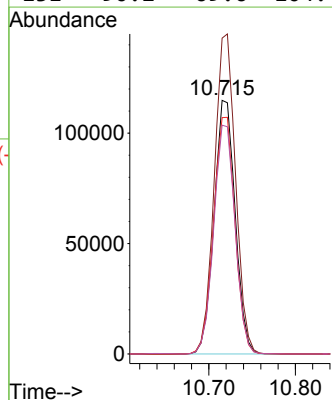
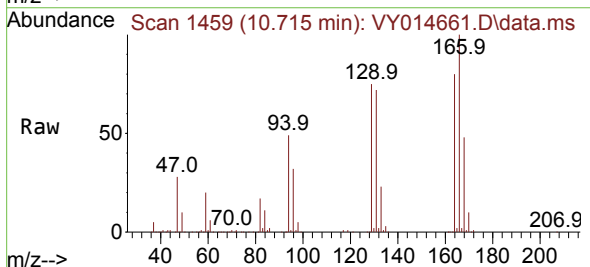
Ion Ratio Lower Upper

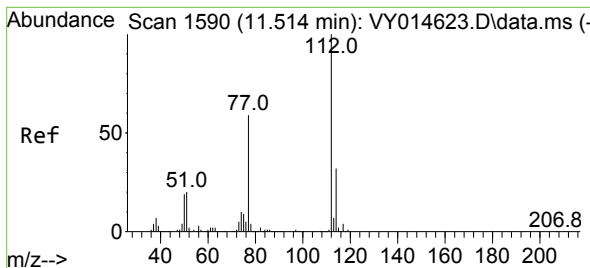
164 100

166 124.6 103.0 154.6

129 93.2 77.2 115.8

131 90.2 69.6 104.4

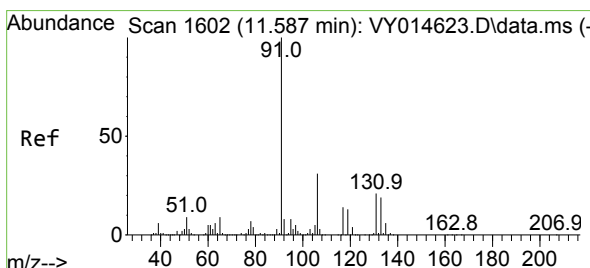
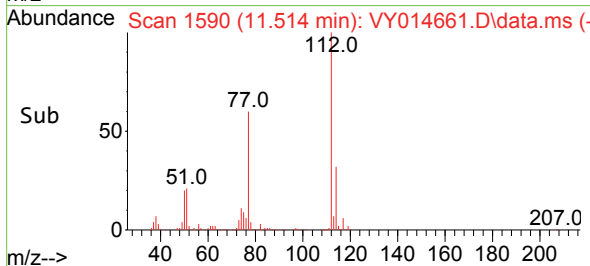
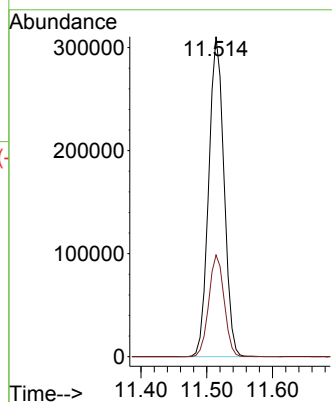
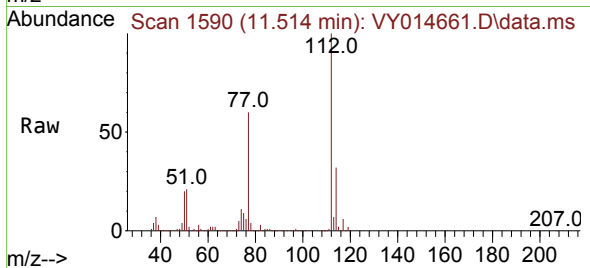




#65  
Chlorobenzene  
Concen: 53.083 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

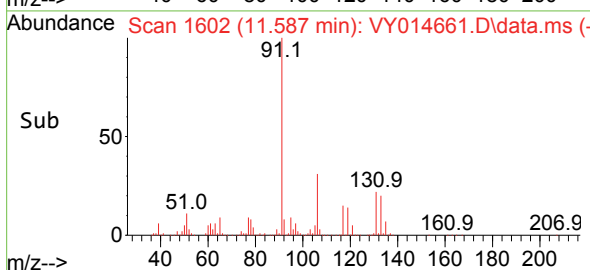
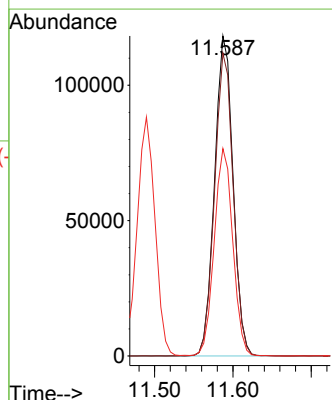
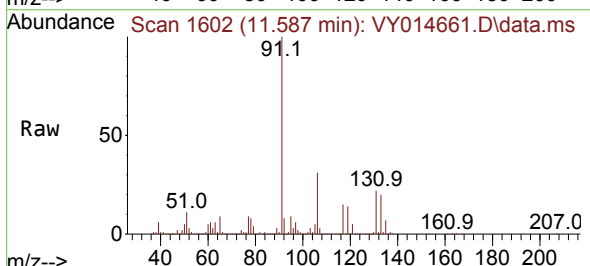
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

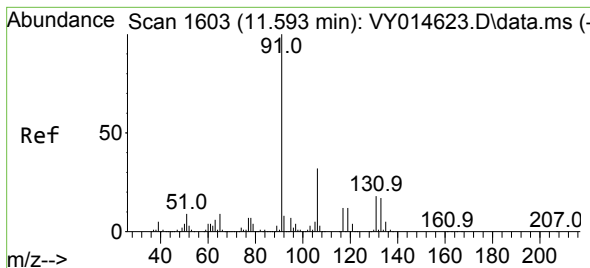
Tgt Ion:112 Resp: 501277  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.464 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion:131 Resp: 193920  
Ion Ratio Lower Upper  
131 100  
133 95.3 47.5 142.6  
119 65.1 31.6 94.7

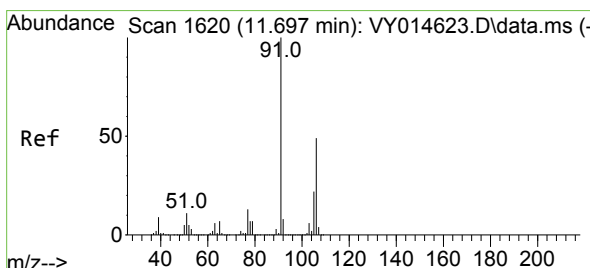
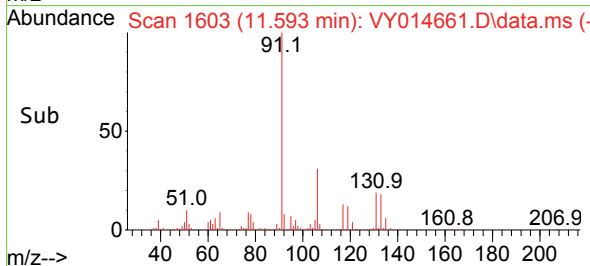
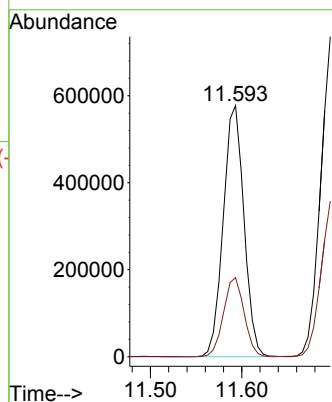
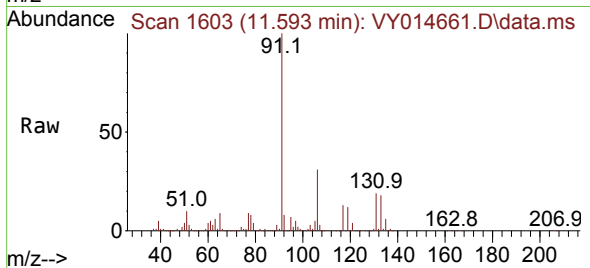




#67  
Ethyl Benzene  
Concen: 53.272 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

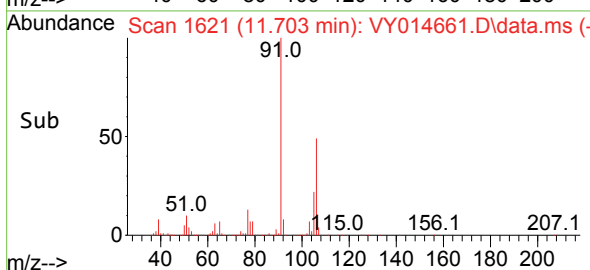
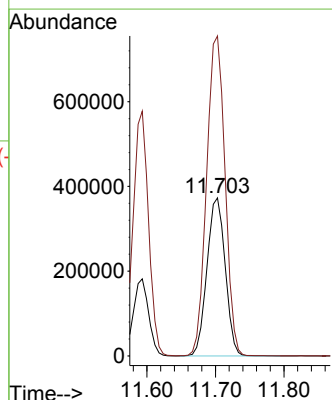
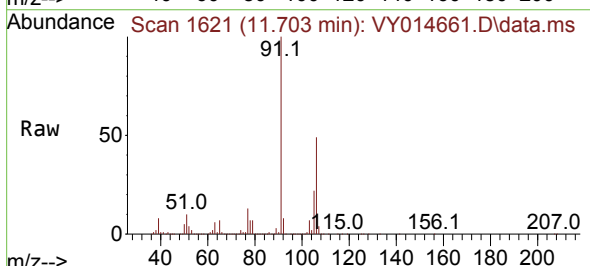
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

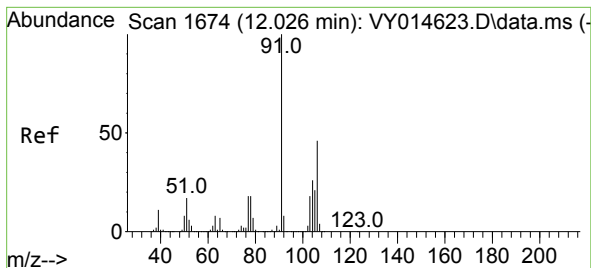
Tgt Ion: 91 Resp: 908276  
Ion Ratio Lower Upper  
91 100  
106 31.5 24.6 36.8



#68  
m/p-Xylenes  
Concen: 106.142 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion:106 Resp: 690807  
Ion Ratio Lower Upper  
106 100  
91 204.7 166.1 249.1





#69

o-Xylene

Concen: 53.436 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

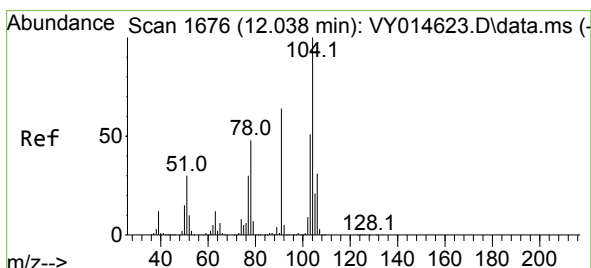
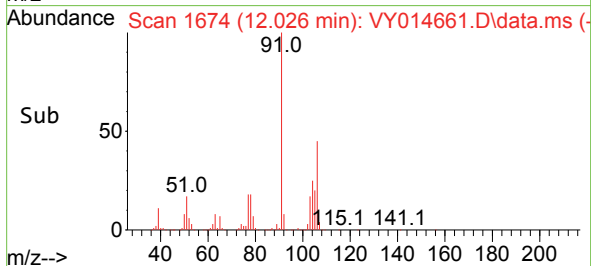
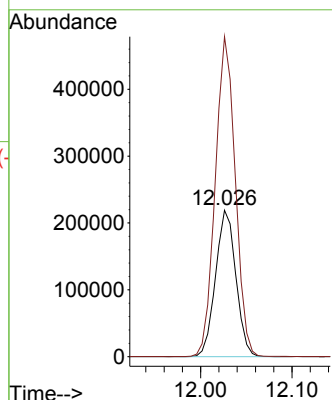
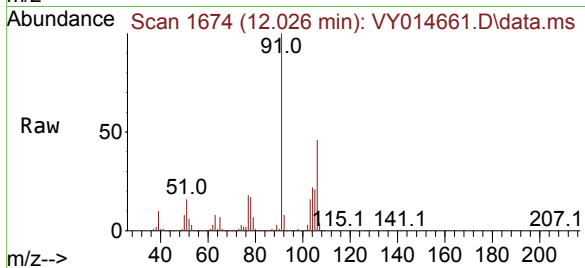
VSTDCCC050EC

Tgt Ion:106 Resp: 338740

Ion Ratio Lower Upper

106 100

91 215.4 108.1 324.3



#70

Styrene

Concen: 53.830 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

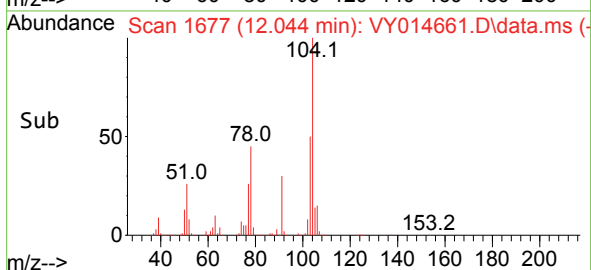
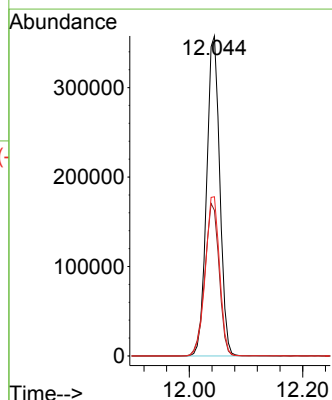
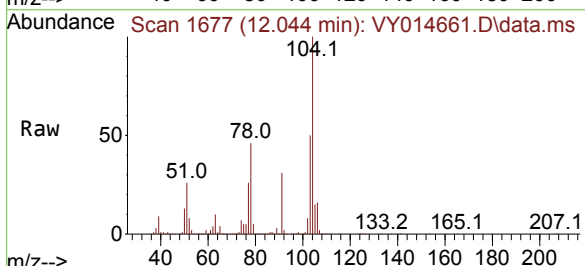
Tgt Ion:104 Resp: 575134

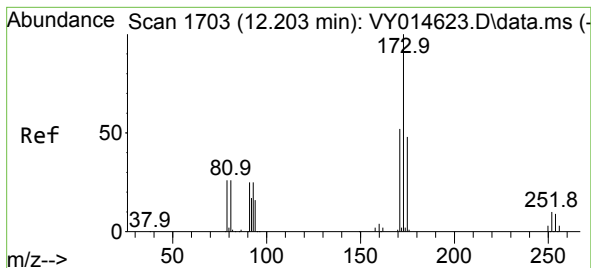
Ion Ratio Lower Upper

104 100

78 52.0 41.5 62.3

103 54.2 44.6 67.0





#71

Bromoform

Concen: 57.651 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

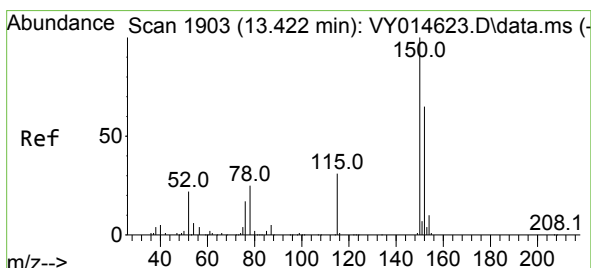
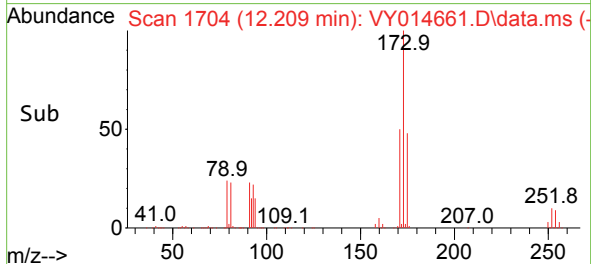
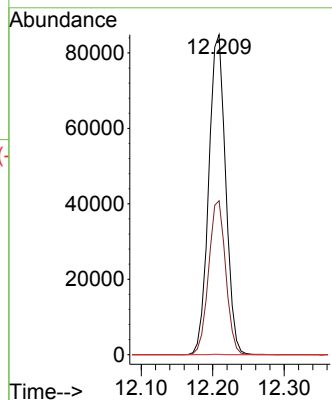
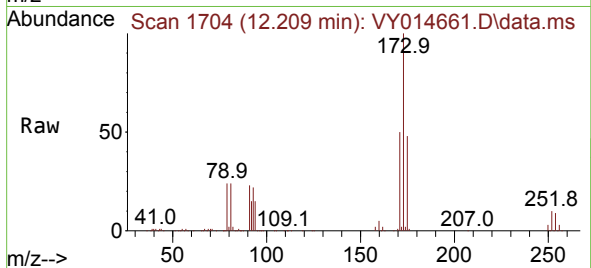
Tgt Ion:173 Resp: 139136

Ion Ratio Lower Upper

173 100

175 48.5 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

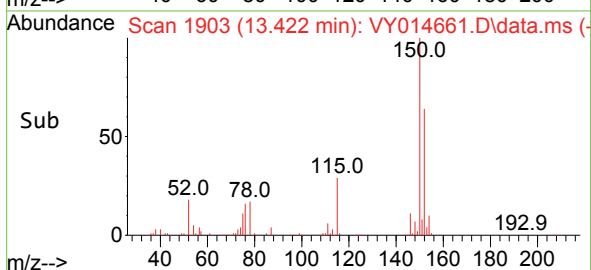
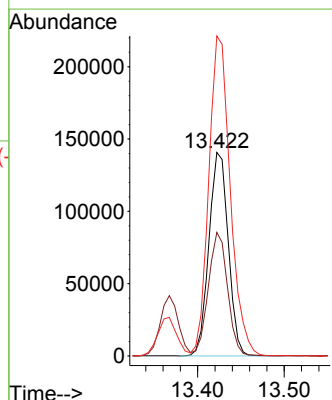
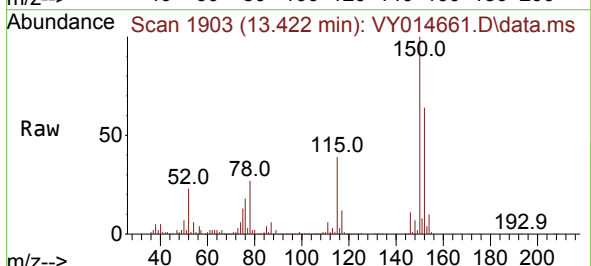
Tgt Ion:152 Resp: 218276

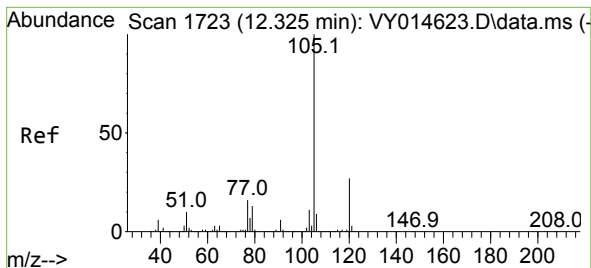
Ion Ratio Lower Upper

152 100

115 60.3 28.8 86.5

150 174.9 0.0 348.8





#73

Isopropylbenzene

Concen: 51.433 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

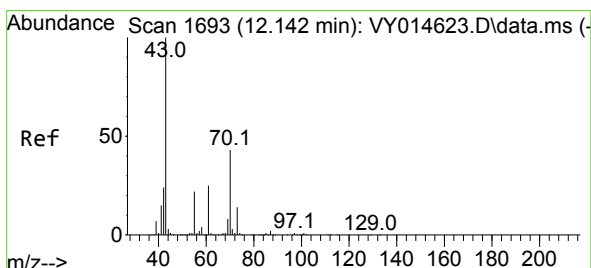
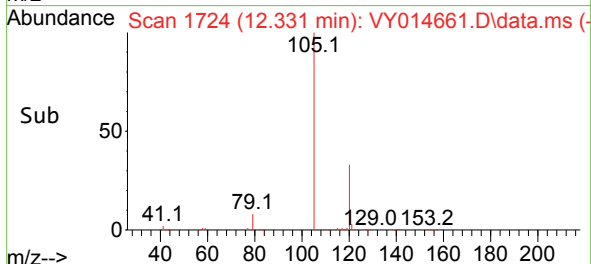
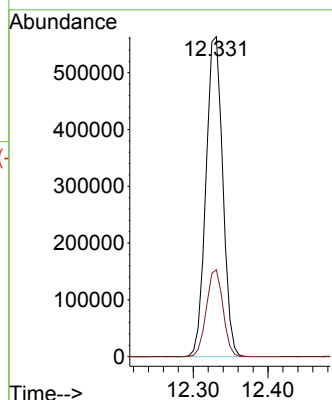
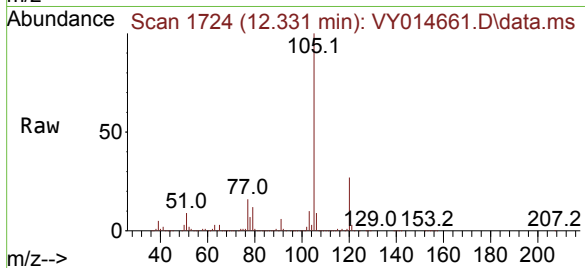
VSTDCCC050EC

Tgt Ion:105 Resp: 879040

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-amy1 acetate

Concen: 54.543 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Tgt Ion: 43 Resp: 312209

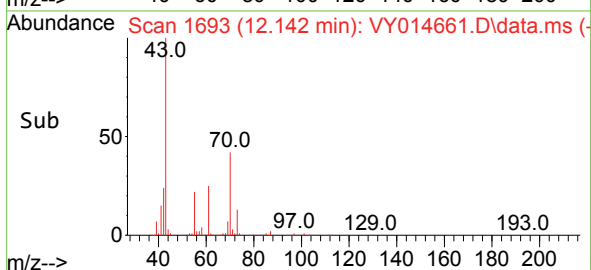
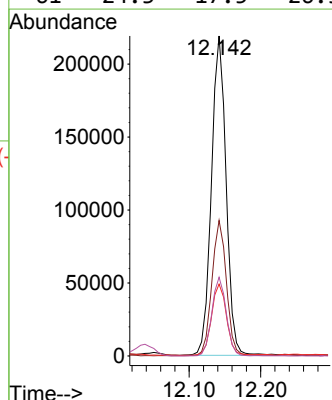
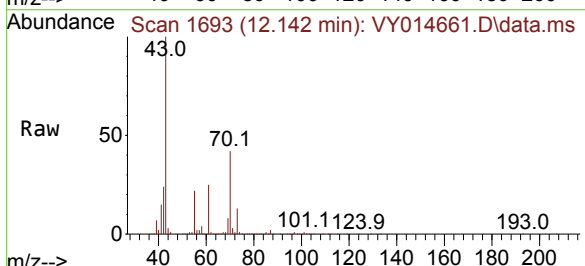
Ion Ratio Lower Upper

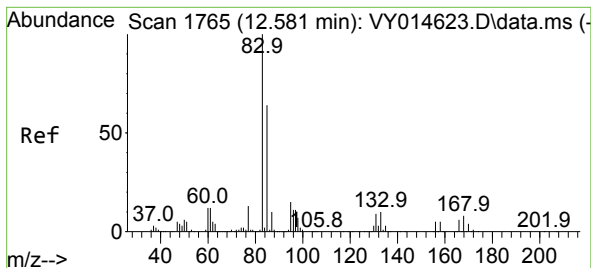
43 100

70 42.0 29.7 44.5

55 22.7 18.3 27.5

61 24.3 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.720 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

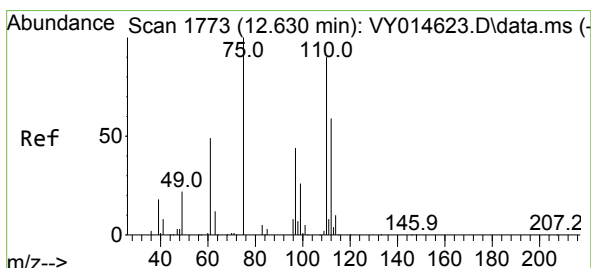
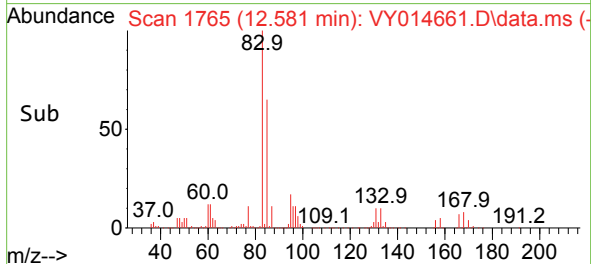
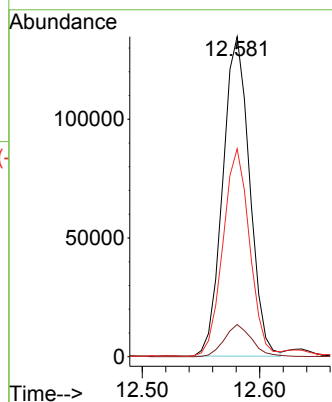
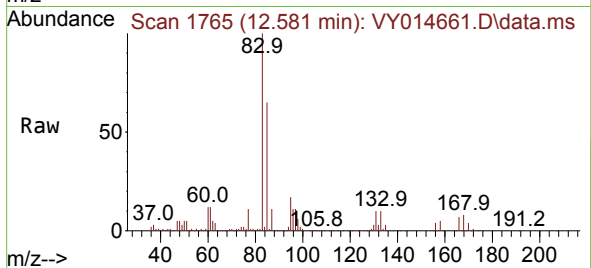
Tgt Ion: 83 Resp: 213272

Ion Ratio Lower Upper

83 100

131 10.4 5.4 16.2

85 64.4 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 100.609 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY014661.D

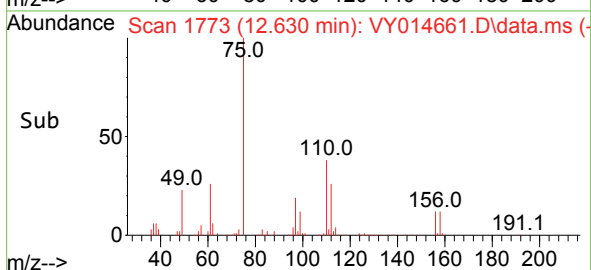
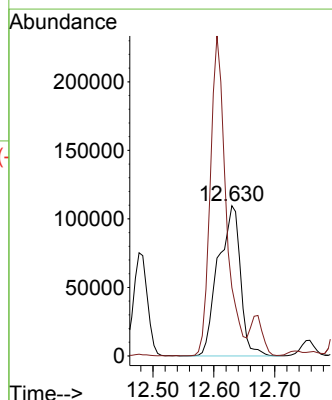
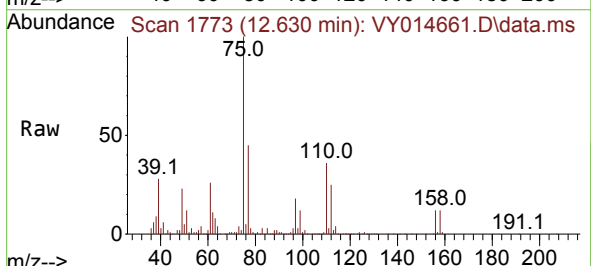
Acq: 14 Jul 2023 20:36

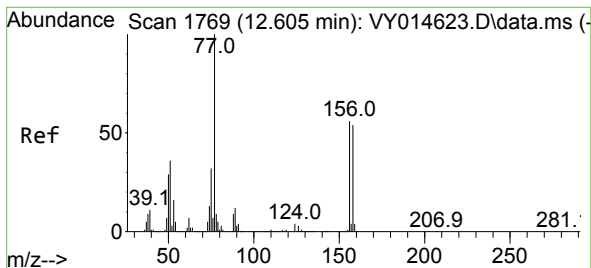
Tgt Ion: 75 Resp: 277354

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.775 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

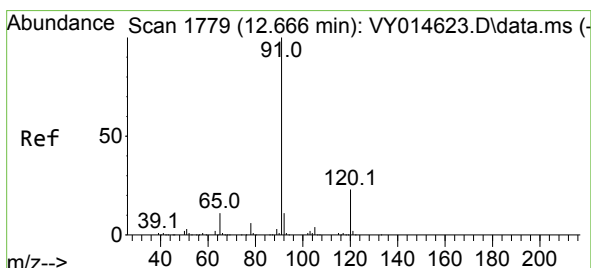
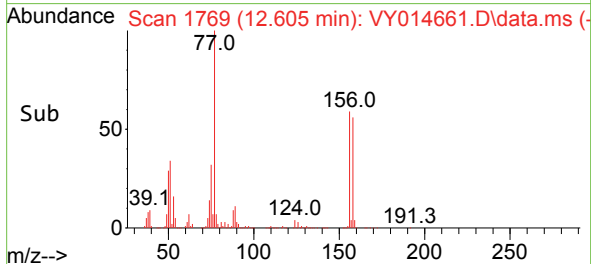
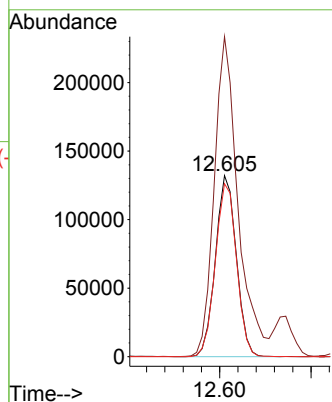
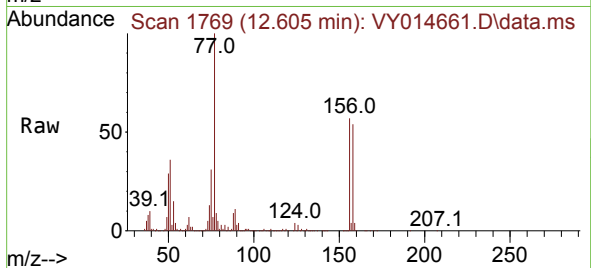
Tgt Ion:156 Resp: 209794

Ion Ratio Lower Upper

156 100

77 201.0 92.8 278.6

158 97.2 48.4 145.3



#78

n-propylbenzene

Concen: 52.105 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY014661.D

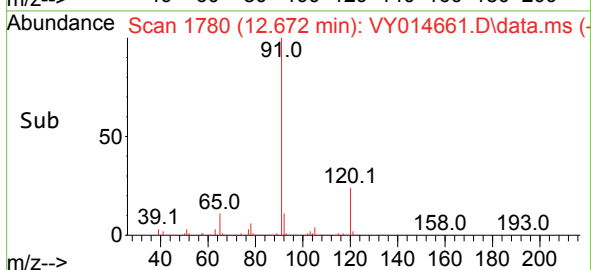
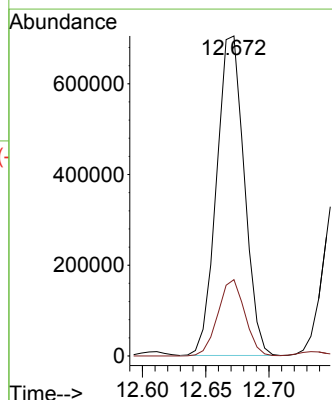
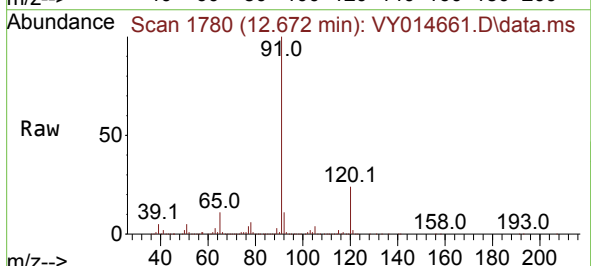
Acq: 14 Jul 2023 20:36

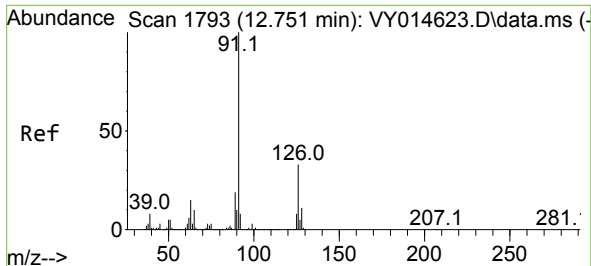
Tgt Ion: 91 Resp: 1073100

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4

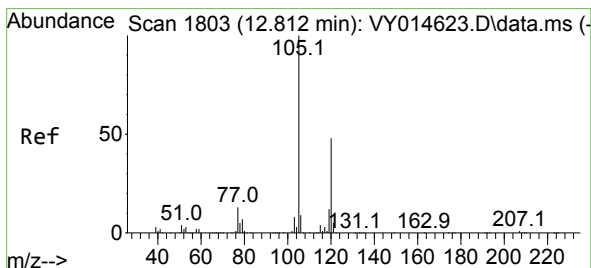
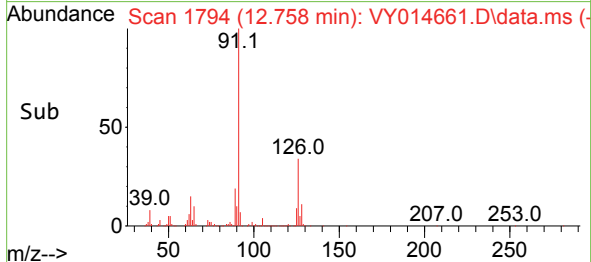
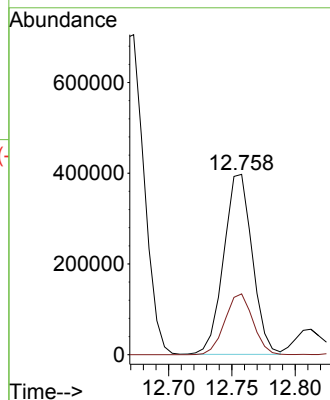
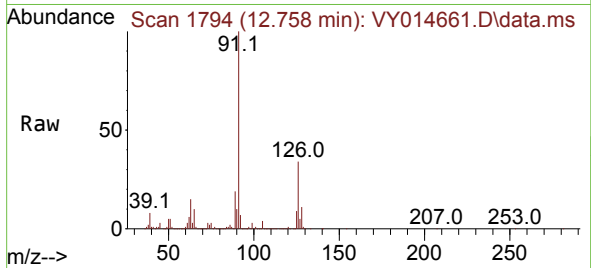




#79  
2-Chlorotoluene  
Concen: 52.677 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.007 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

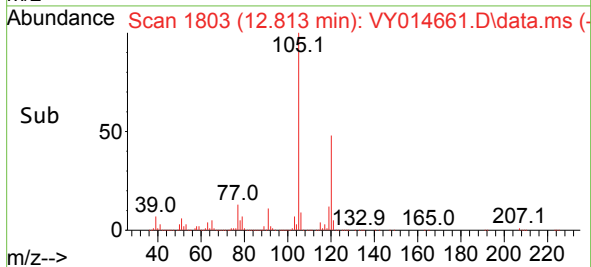
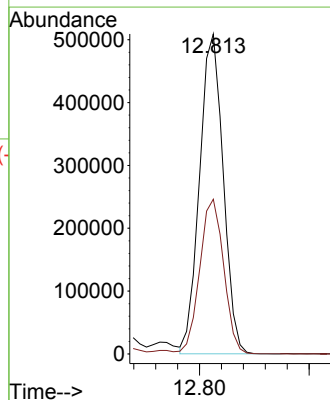
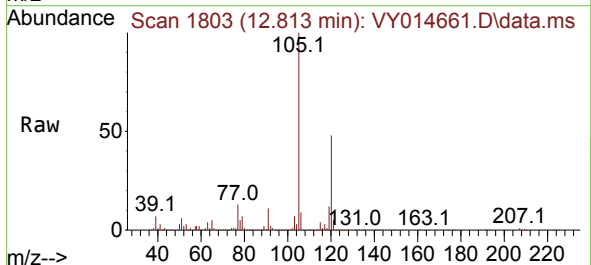
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

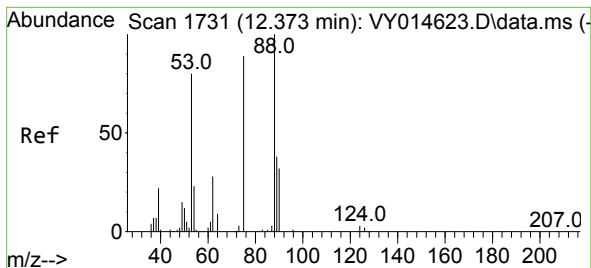
Tgt Ion: 91 Resp: 624874  
Ion Ratio Lower Upper  
91 100  
126 33.1 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 53.395 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 105 Resp: 762140  
Ion Ratio Lower Upper  
105 100  
120 49.0 23.9 71.7

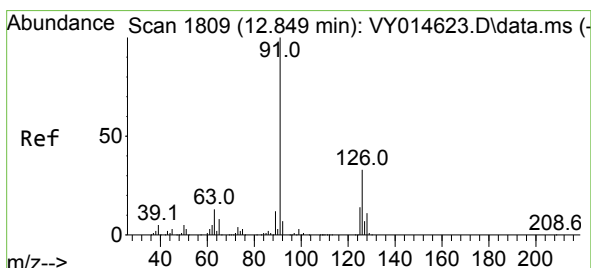
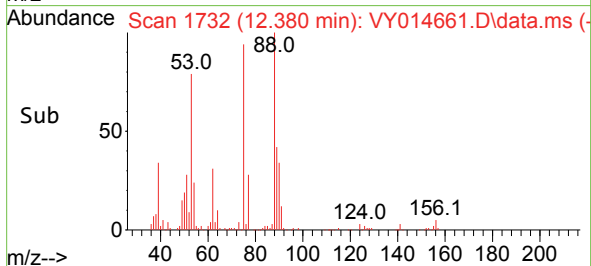
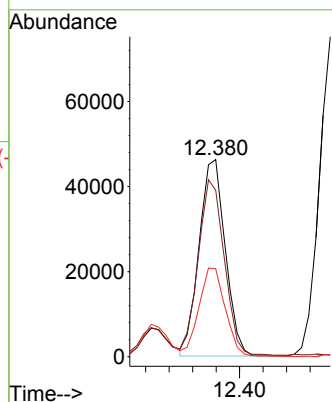
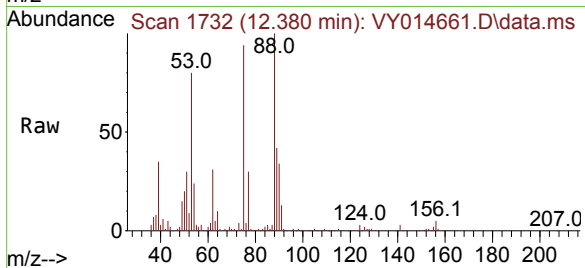




#81  
trans-1,4-Dichloro-2-butene  
Concen: 50.462 ug/l  
RT: 12.380 min Scan# 1731  
Delta R.T. 0.007 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

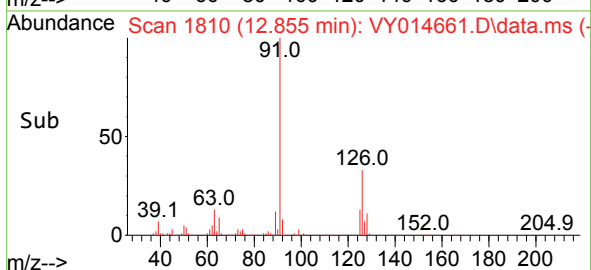
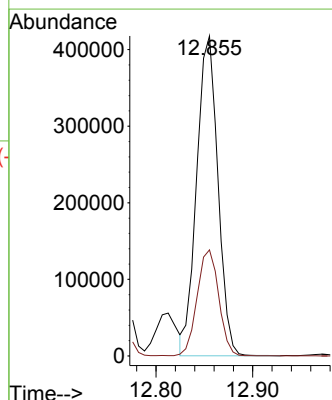
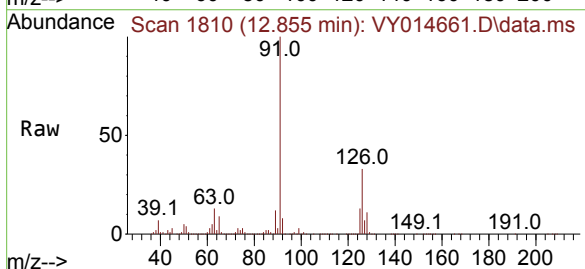
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

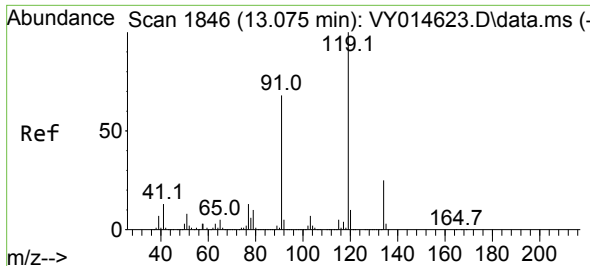
Tgt Ion: 75 Resp: 71848  
Ion Ratio Lower Upper  
75 100  
53 88.5 77.8 116.8  
89 45.5 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 52.210 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 91 Resp: 637853  
Ion Ratio Lower Upper  
91 100  
126 33.7 17.2 51.6

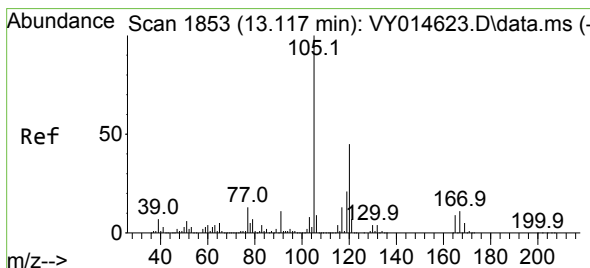
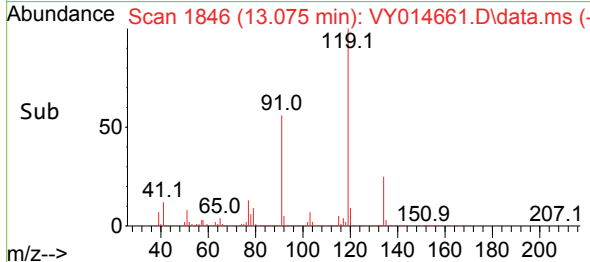
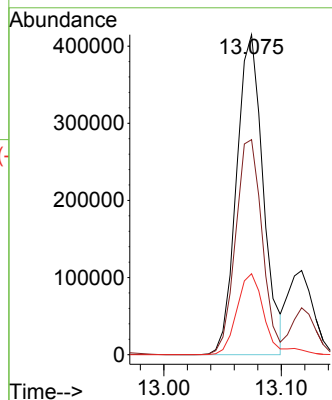
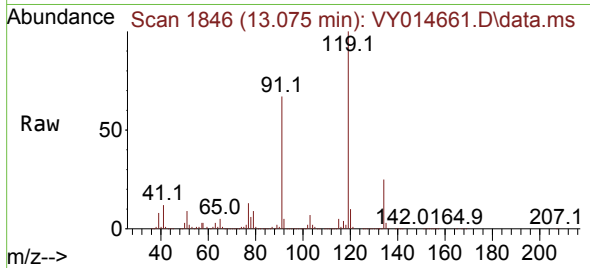




#83  
tert-Butylbenzene  
Concen: 51.613 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

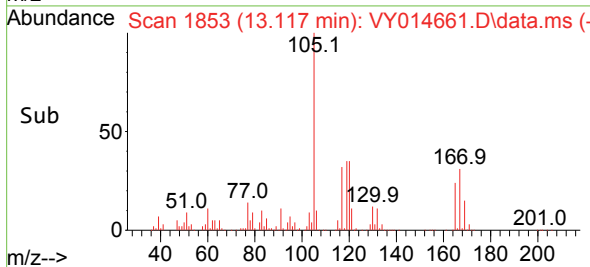
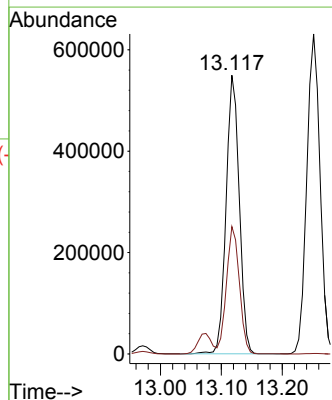
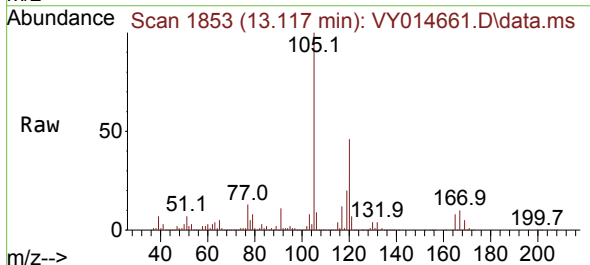
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

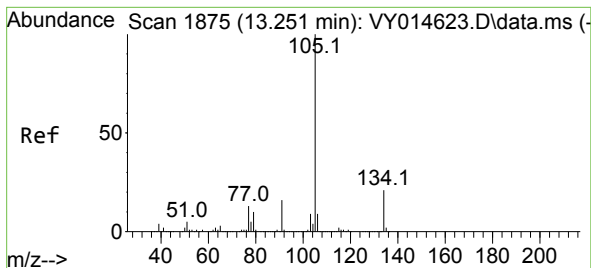
Tgt Ion:119 Resp: 653504  
Ion Ratio Lower Upper  
119 100  
91 67.0 32.9 98.6  
134 26.3 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 58.813 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion:105 Resp: 823837  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 51.214 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

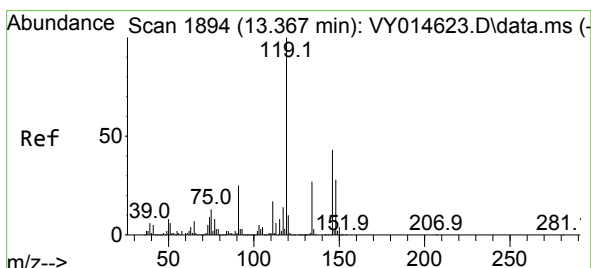
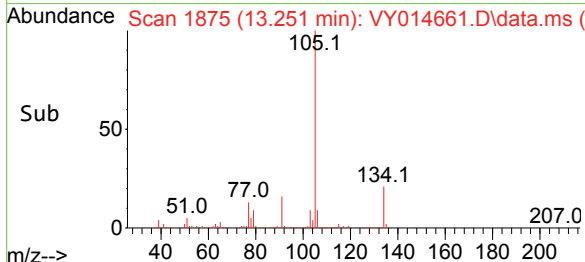
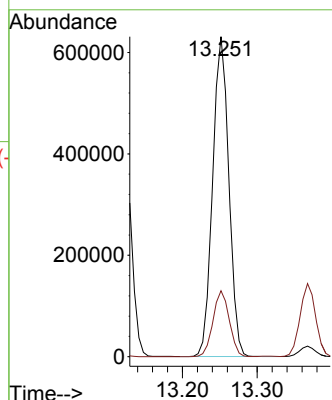
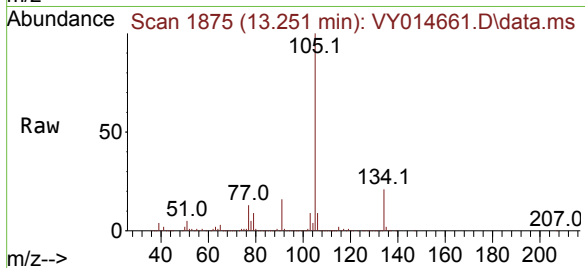
VSTDCCC050EC

Tgt Ion:105 Resp: 951242

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 52.034 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

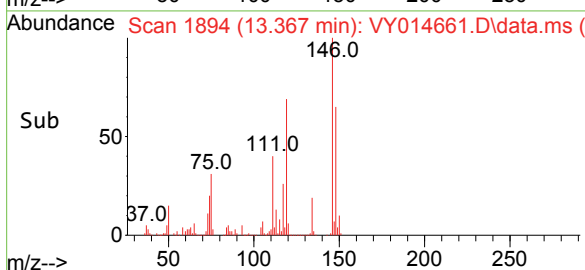
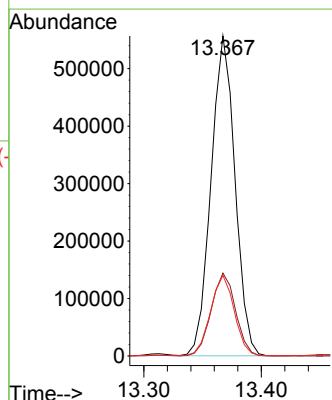
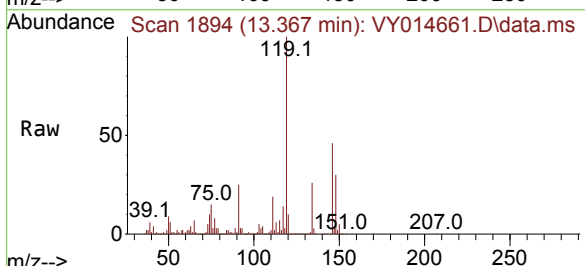
Tgt Ion:119 Resp: 789082

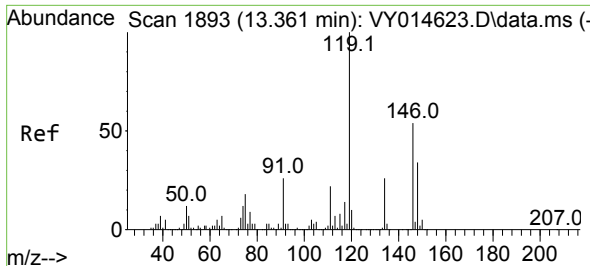
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.9 12.4 37.4

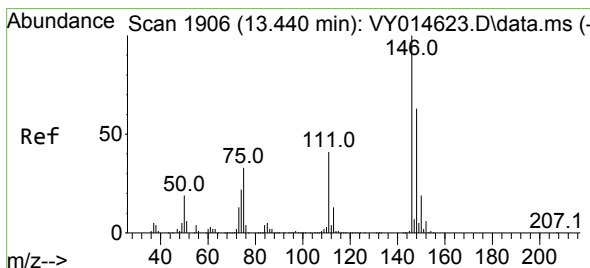
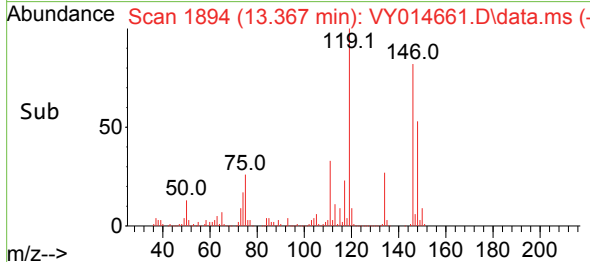
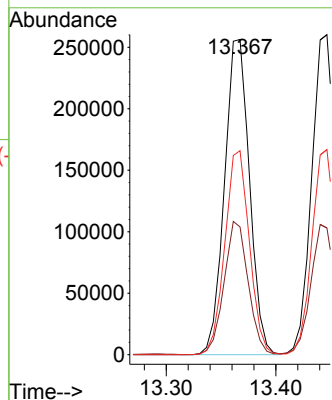
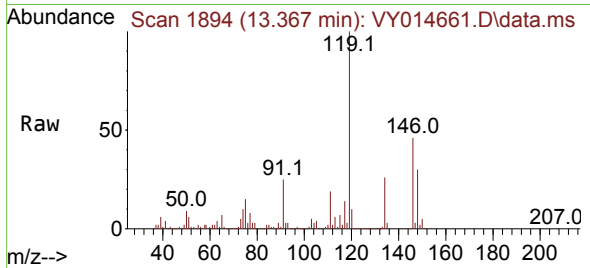




#87  
1,3-Dichlorobenzene  
Concen: 53.494 ug/l  
RT: 13.367 min Scan# 1893  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

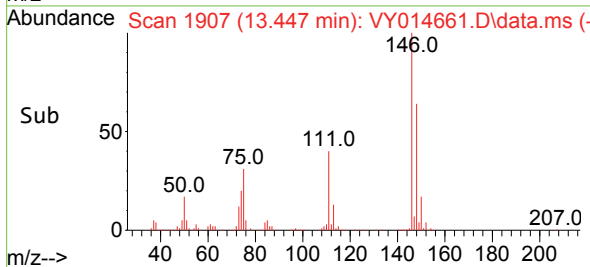
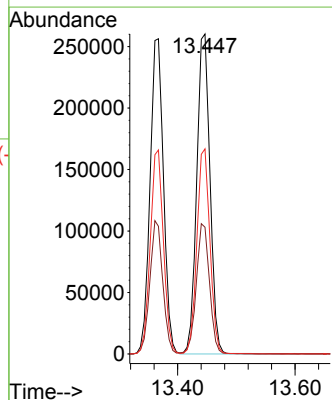
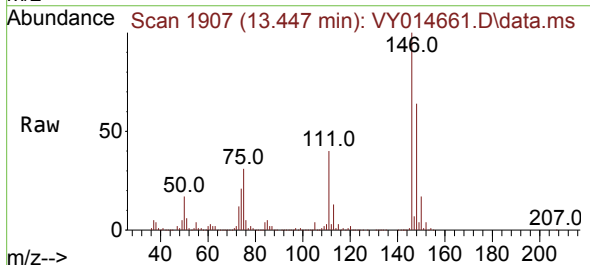
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

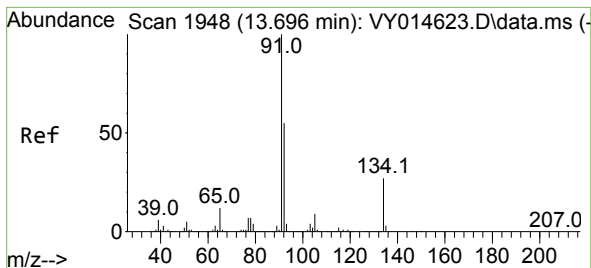
Tgt Ion:146 Resp: 406180  
Ion Ratio Lower Upper  
146 100  
111 40.7 19.4 58.2  
148 63.6 31.9 95.5



#88  
1,4-Dichlorobenzene  
Concen: 53.417 ug/l  
RT: 13.447 min Scan# 1907  
Delta R.T. 0.007 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion:146 Resp: 406442  
Ion Ratio Lower Upper  
146 100  
111 40.2 18.9 56.7  
148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 52.349 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

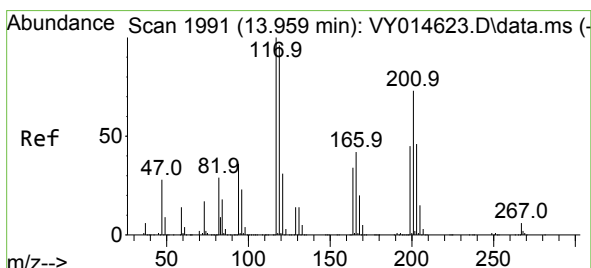
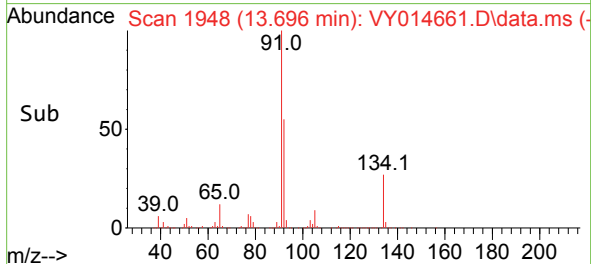
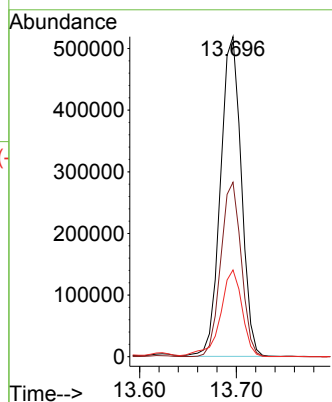
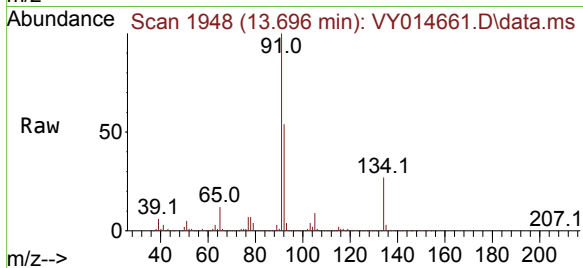
Tgt Ion: 91 Resp: 772354

Ion Ratio Lower Upper

91 100

92 53.6 25.4 76.0

134 28.3 12.6 37.6



#90

Hexachloroethane

Concen: 52.466 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY014661.D

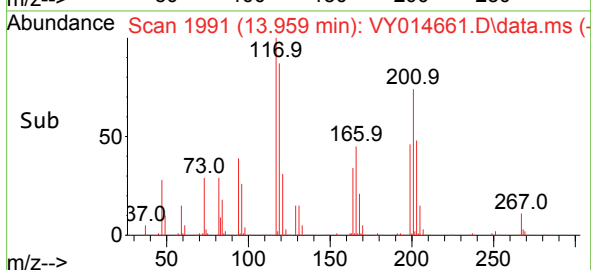
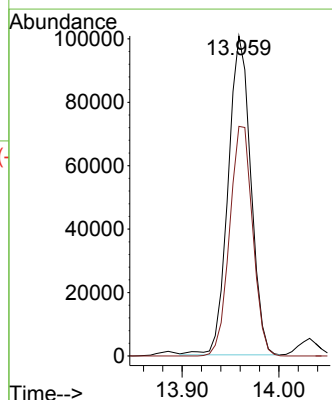
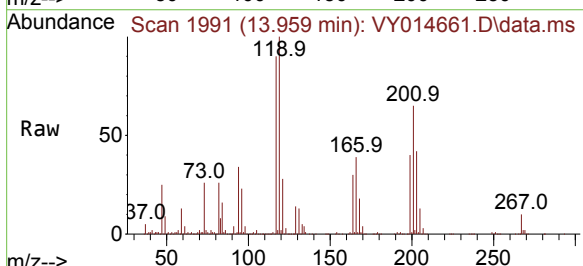
Acq: 14 Jul 2023 20:36

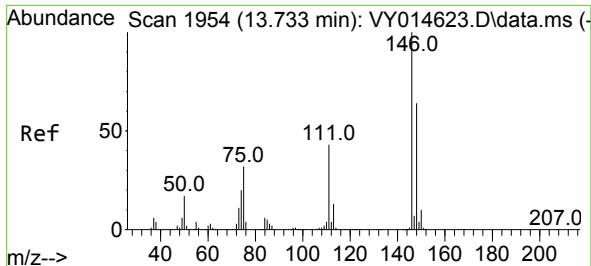
Tgt Ion: 117 Resp: 163424

Ion Ratio Lower Upper

117 100

201 73.3 41.6 124.8

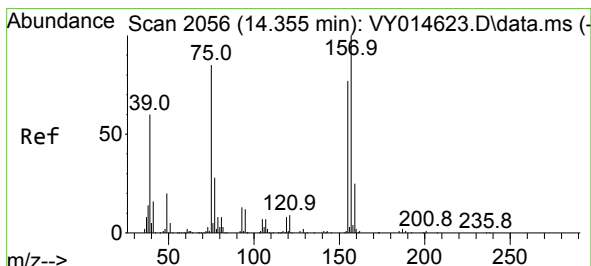
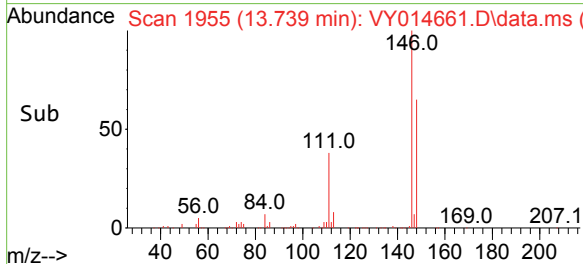
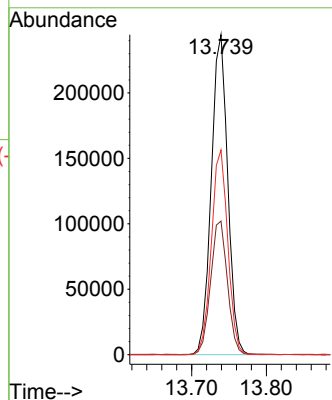
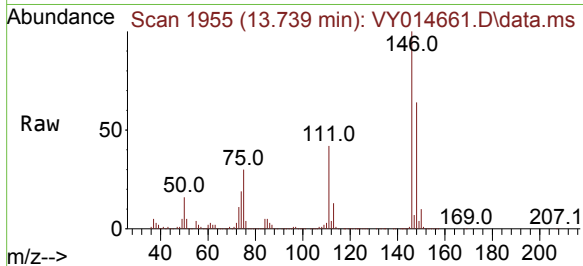




#91  
1,2-Dichlorobenzene  
Concen: 53.865 ug/l  
RT: 13.739 min Scan# 1954  
Delta R.T. 0.006 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

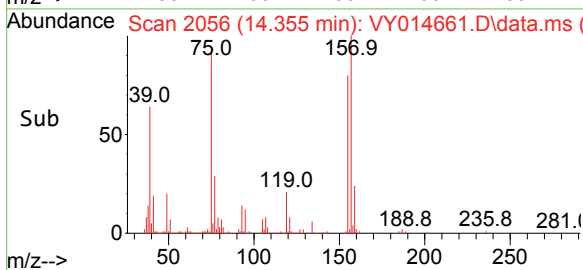
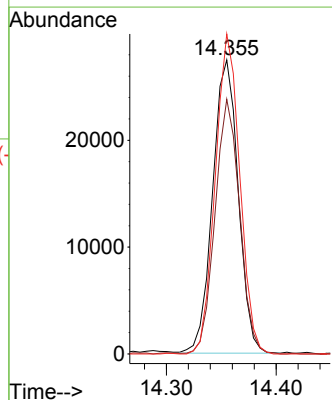
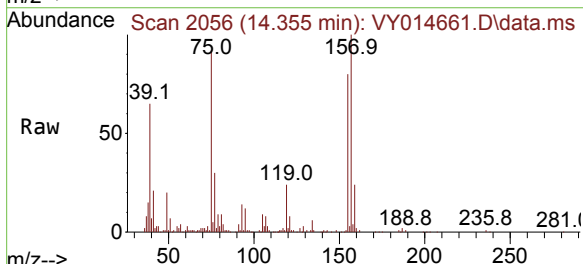
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

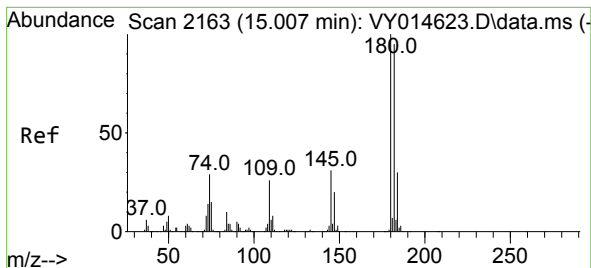
Tgt Ion:146 Resp: 374722  
Ion Ratio Lower Upper  
146 100  
111 42.6 19.7 59.0  
148 63.9 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 59.708 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY014661.D  
Acq: 14 Jul 2023 20:36

Tgt Ion: 75 Resp: 44504  
Ion Ratio Lower Upper  
75 100  
155 83.7 41.5 124.6  
157 104.6 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 54.307 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

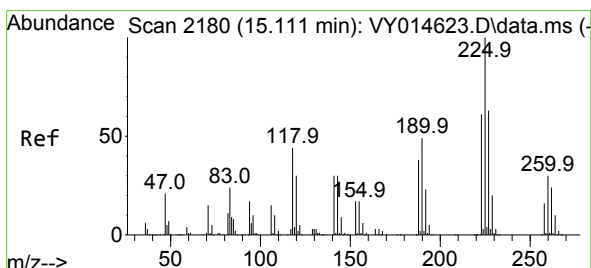
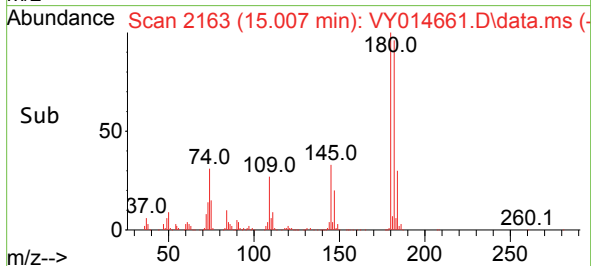
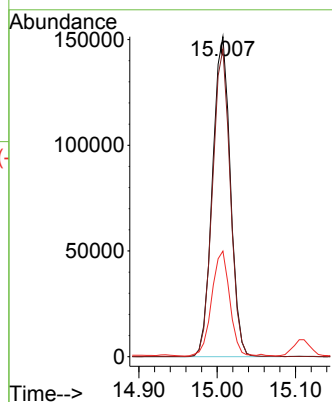
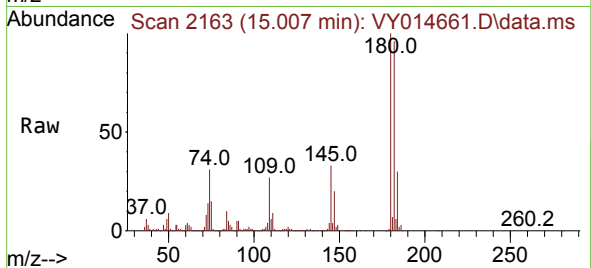
Tgt Ion:180 Resp: 239821

Ion Ratio Lower Upper

180 100

182 95.1 47.0 141.2

145 33.1 14.5 43.5



#94

Hexachlorobutadiene

Concen: 53.674 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

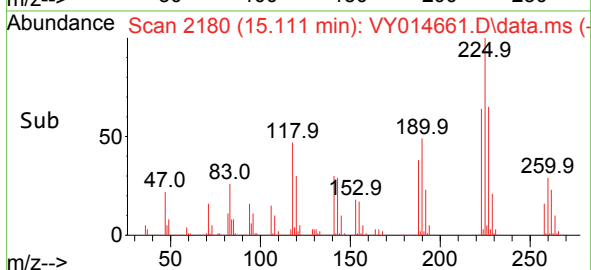
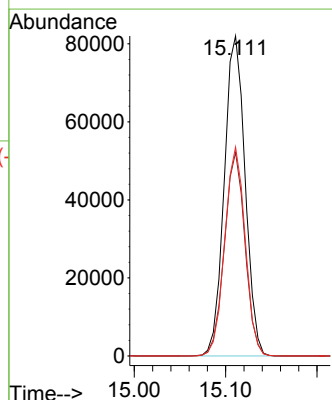
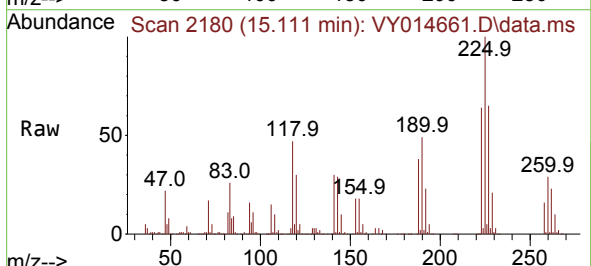
Tgt Ion:225 Resp: 130253

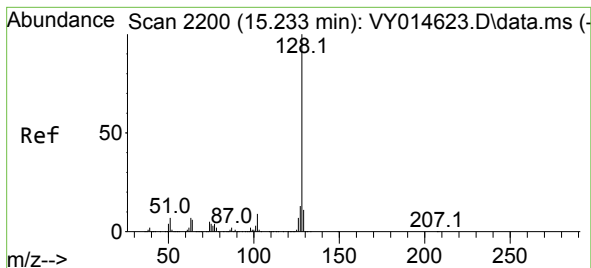
Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.9

227 63.8 33.0 98.9





#95

Naphthalene

Concen: 64.738 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

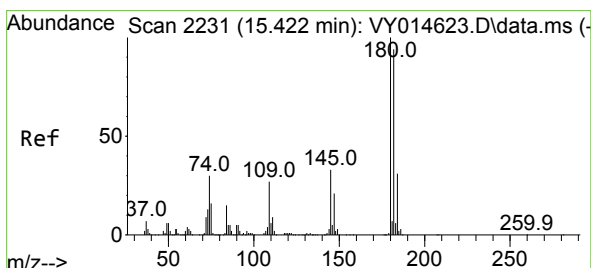
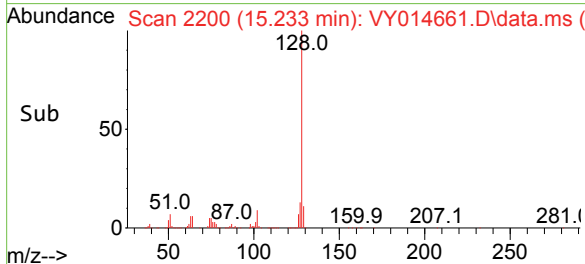
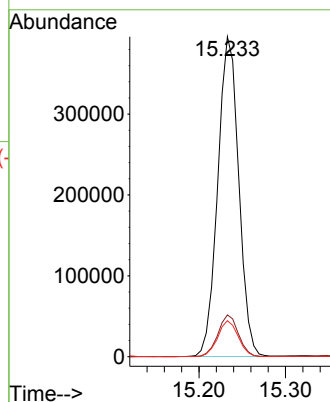
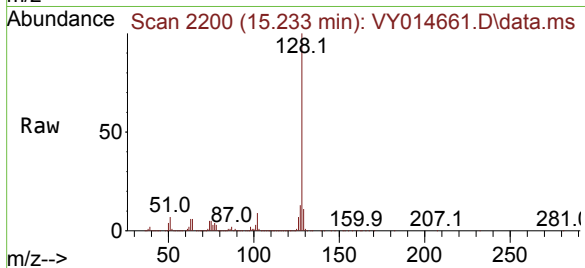
Tgt Ion:128 Resp: 666049

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 11.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 56.004 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY014661.D

Acq: 14 Jul 2023 20:36

Tgt Ion:180 Resp: 219800

Ion Ratio Lower Upper

180 100

182 94.4 47.3 141.8

145 35.7 15.4 46.2

