

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
 Data File : VY014108.D  
 Acq On : 09 Jun 2023 20:31  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jun 10 05:16:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 192544   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 308355   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 299535   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 155548   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 127793   | 47.663   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.320%  |
| 35) Dibromofluoromethane    | 7.722  | 113   | 106039   | 48.491   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.980%  |
| 50) Toluene-d8              | 10.185 | 98    | 374420   | 45.798   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.600%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 145300   | 50.031   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 100.060% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 94456   | 44.018  | ug/l   | 98  |
| 3) Chloromethane             | 2.113 | 50  | 123088  | 45.238  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.253 | 62  | 119156  | 45.043  | ug/l   | 97  |
| 5) Bromomethane              | 2.662 | 94  | 95653   | 43.824  | ug/l   | 95  |
| 6) Chloroethane              | 2.796 | 64  | 78867   | 43.875  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 192309  | 44.748  | ug/l   | 100 |
| 8) Diethyl Ether             | 3.534 | 74  | 69459   | 48.403  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 96145   | 44.328  | ug/l   | 97  |
| 10) Methyl Iodide            | 4.100 | 142 | 138990  | 48.530  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 4.972 | 59  | 69848   | 222.798 | ug/l # | 97  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 99036   | 45.049  | ug/l   | 99  |
| 13) Acrolein                 | 3.735 | 56  | 32454   | 260.835 | ug/l   | 98  |
| 14) Allyl chloride           | 4.485 | 41  | 188331  | 47.260  | ug/l   | 97  |
| 15) Acrylonitrile            | 5.173 | 53  | 178503  | 241.161 | ug/l   | 99  |
| 16) Acetone                  | 3.960 | 43  | 156956  | 194.205 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.204 | 76  | 319051  | 44.786  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.485 | 43  | 144724  | 46.134  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.228 | 73  | 324807  | 50.094  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.722 | 84  | 128516  | 49.794  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.228 | 96  | 114653  | 46.759  | ug/l   | 98  |
| 22) Diisopropyl ether        | 6.125 | 45  | 390411  | 51.169  | ug/l   | 99  |
| 23) Vinyl Acetate            | 6.070 | 43  | 1156082 | 256.806 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 6.027 | 63  | 214459  | 48.750  | ug/l   | 99  |
| 25) 2-Butanone               | 6.996 | 43  | 228538  | 229.719 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 6.990 | 77  | 186391  | 45.111  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 135559  | 49.421  | ug/l   | 99  |
| 28) Bromochloromethane       | 7.344 | 49  | 88392   | 49.409  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.356 | 42  | 151194  | 239.667 | ug/l   | 98  |
| 30) Chloroform               | 7.508 | 83  | 231561  | 49.616  | ug/l   | 96  |
| 31) Cyclohexane              | 7.789 | 56  | 156741  | 43.639  | ug/l   | 98  |
| 32) 1,1,1-Trichloroethane    | 7.703 | 97  | 199845  | 47.477  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 153294  | 44.964  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.082 | 43  | 112889  | 47.991  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 181348  | 46.095  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.185 | 83  | 171766  | 45.410  | ug/l   | 97  |
| 40) Benzene                  | 8.167 | 78  | 481148  | 47.461  | ug/l   | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
 Data File : VY014108.D  
 Acq On : 09 Jun 2023 20:31  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Jun 10 05:16:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.356  | 41   | 150756   | 125.577 | ug/l # | 17       |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 175205   | 48.873  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 198167   | 48.065  | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 127228   | 46.973  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.222  | 63   | 121517   | 47.192  | ug/l   | 99       |
| 46) Dibromomethane            | 9.307  | 93   | 77269    | 48.749  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.502  | 83   | 187504   | 50.523  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.295  | 41   | 95596    | 49.713  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 19407    | 963.590 | ug/l # | 44       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43   | 554022   | 247.342 | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 301642   | 47.999  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 193623   | 49.559  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 206881   | 48.533  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 105507   | 50.185  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.514 | 69   | 147172   | 50.753  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 179211   | 49.841  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 323168   | 249.473 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 394872   | 244.082 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 134477   | 49.977  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 103621   | 49.941  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.721 | 164  | 114008   | 44.654  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.520 | 112  | 339653   | 47.191  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 135627   | 47.910  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.593 | 91   | 604384   | 47.974  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 456631   | 94.233  | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 224020   | 48.898  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 384085   | 49.121  | ug/l   | 100      |
| 71) Bromoform                 | 12.209 | 173  | 93040    | 47.990  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 568484   | 47.908  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 190646   | 50.699  | ug/l # | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 128253   | 48.370  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 172143   | 84.353  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 149964   | 48.084  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.672 | 91   | 689662   | 47.584  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 398018   | 47.727  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 490810   | 48.306  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 44780    | 47.432  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 418283   | 47.331  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.074 | 119  | 411706   | 47.683  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 494719   | 49.189  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.257 | 105  | 607217   | 48.372  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 513582   | 47.805  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 284977   | 47.858  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 284580   | 47.433  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 486166   | 48.790  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 100454   | 46.924  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 262157   | 49.018  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 24440    | 48.404  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 165482   | 48.844  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 90076    | 46.052  | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 354042   | 51.484  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 149309   | 48.771  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060923\  
Data File : VY014108.D  
Acq On : 09 Jun 2023 20:31  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

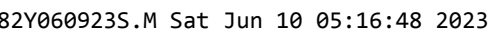
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

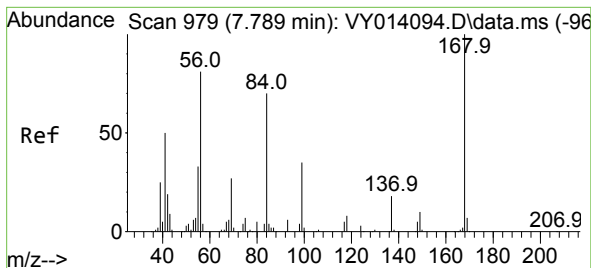
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration

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

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

Quant Time: Jun 10 05:16:35 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

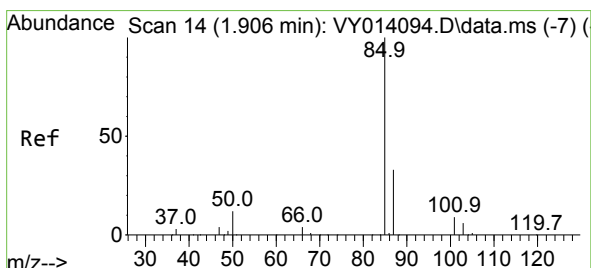
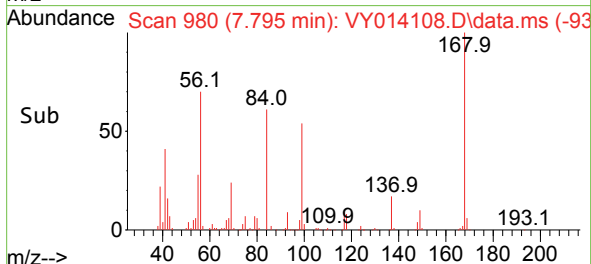
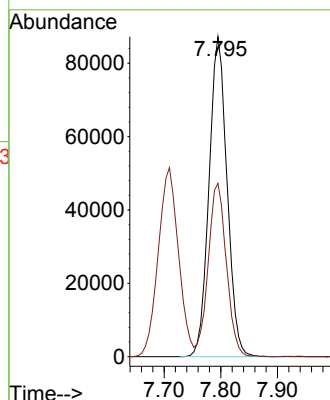
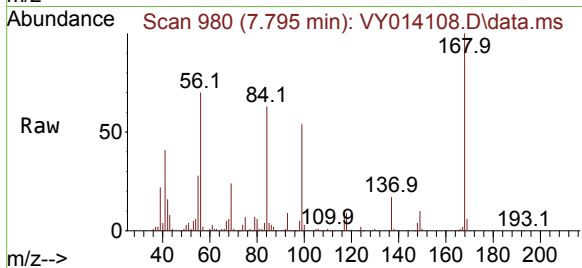
VSTDCCC050EC

Tgt Ion:168 Resp: 192544

Ion Ratio Lower Upper

168 100

99 54.1 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 44.018 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY014108.D

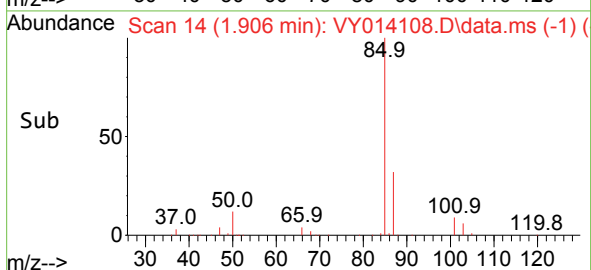
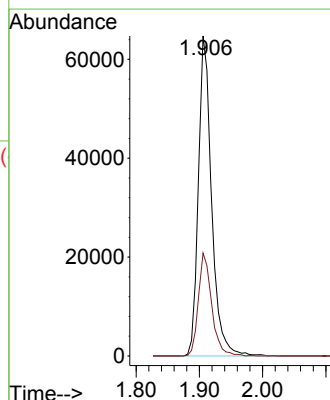
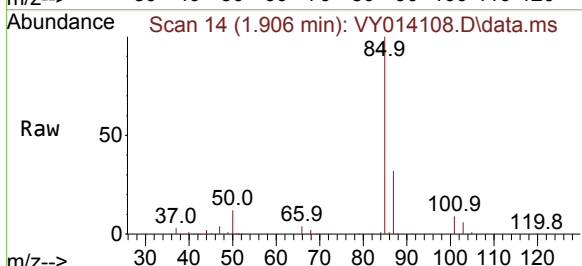
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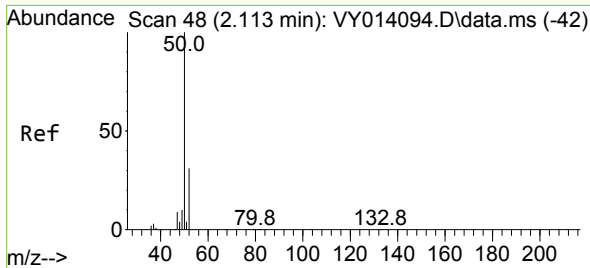
Tgt Ion: 85 Resp: 94456

Ion Ratio Lower Upper

85 100

87 32.2 15.6 46.8

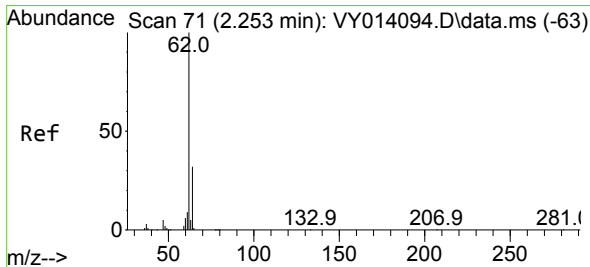
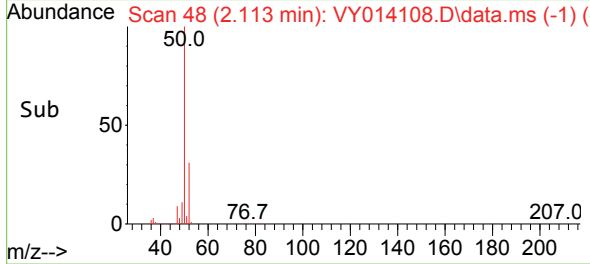
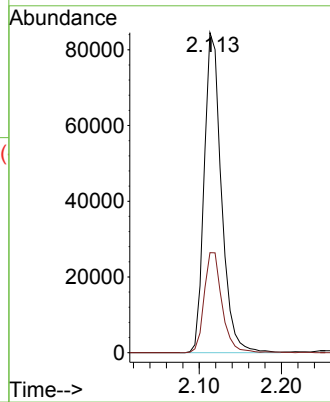
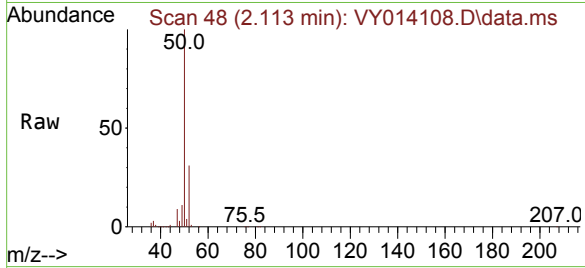




#3  
Chloromethane  
Concen: 45.238 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

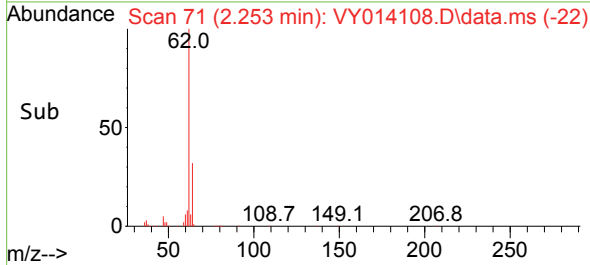
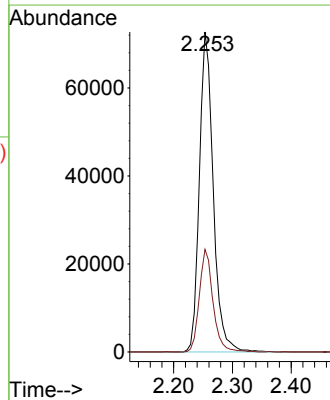
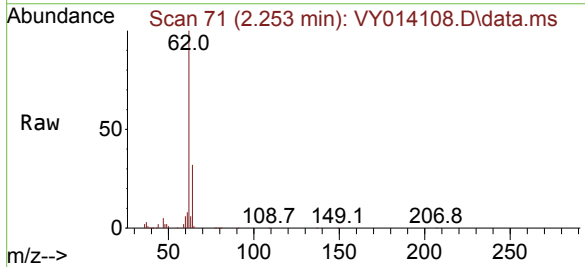
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

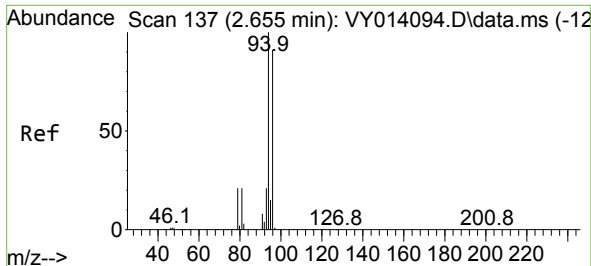
Tgt Ion: 50 Resp: 123088  
Ion Ratio Lower Upper  
50 100  
52 31.3 25.4 38.2



#4  
Vinyl Chloride  
Concen: 45.043 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 62 Resp: 119156  
Ion Ratio Lower Upper  
62 100  
64 32.0 24.3 36.5

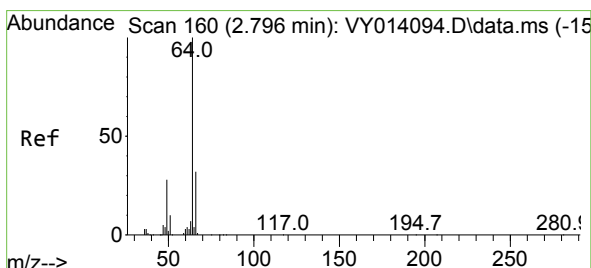
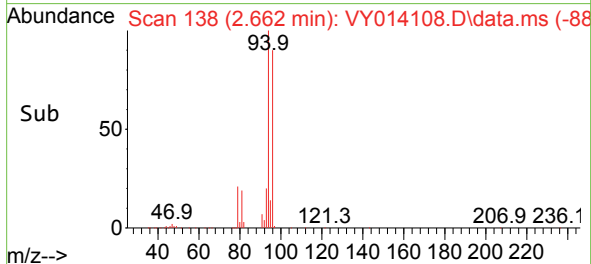
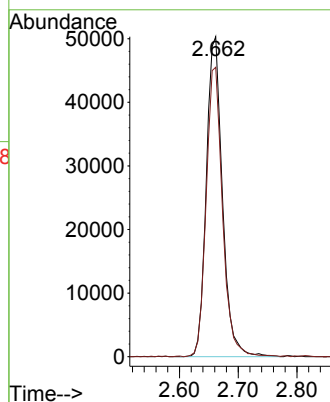
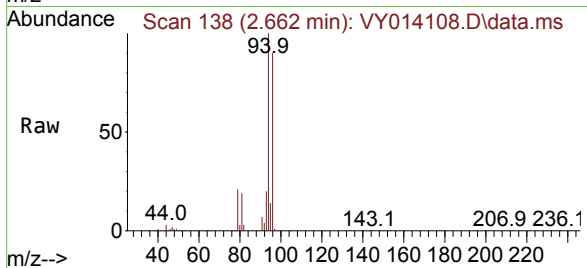




#5  
Bromomethane  
Concen: 43.824 ug/l  
RT: 2.662 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

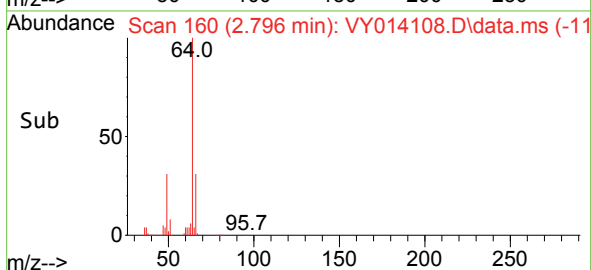
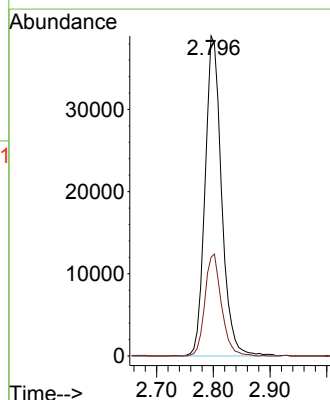
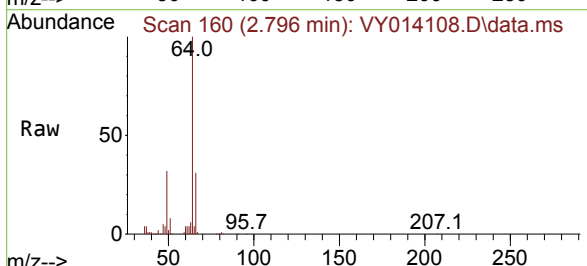
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

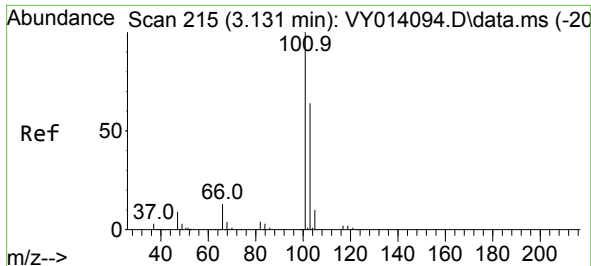
Tgt Ion: 94 Resp: 95653  
Ion Ratio Lower Upper  
94 100  
96 90.3 75.8 113.6



#6  
Chloroethane  
Concen: 43.875 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 64 Resp: 78867  
Ion Ratio Lower Upper  
64 100  
66 30.8 24.4 36.6

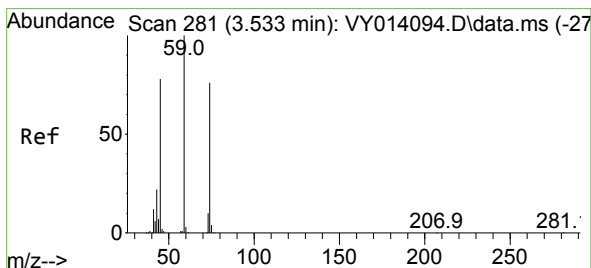
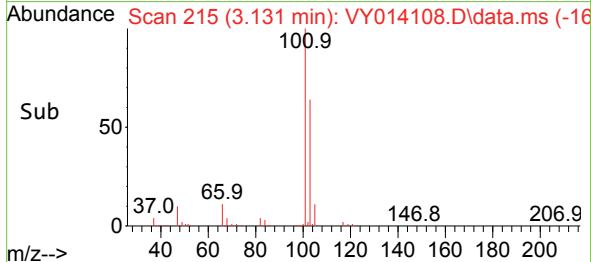
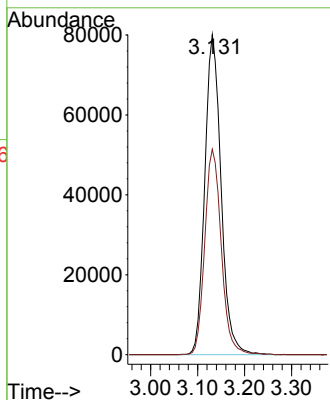
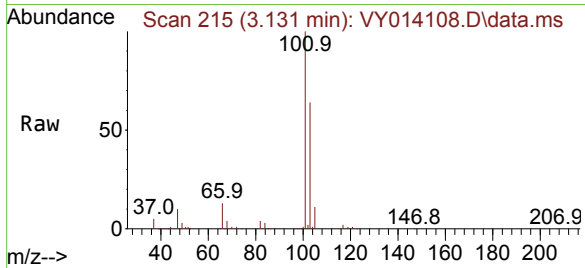




#7  
Trichlorofluoromethane  
Concen: 44.748 ug/l  
RT: 3.131 min Scan# 215  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

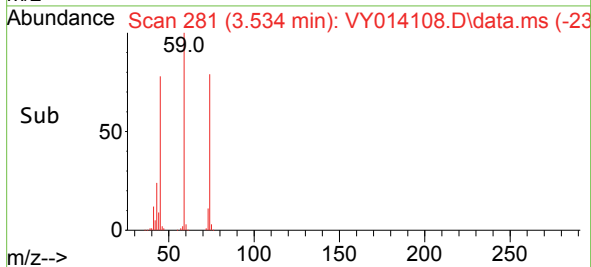
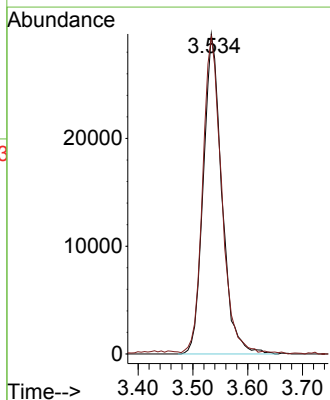
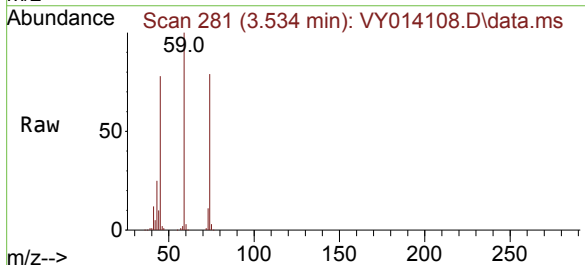
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

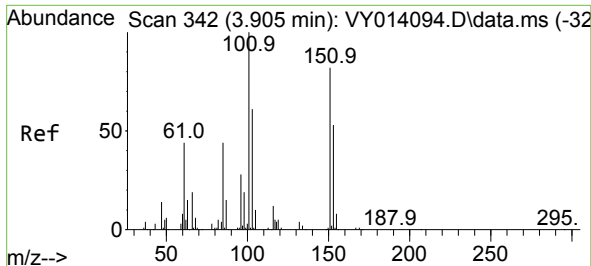
Tgt Ion:101 Resp: 192309  
Ion Ratio Lower Upper  
101 100  
103 64.2 51.4 77.0



#8  
Diethyl Ether  
Concen: 48.403 ug/l  
RT: 3.534 min Scan# 281  
Delta R.T. 0.001 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 74 Resp: 69459  
Ion Ratio Lower Upper  
74 100  
45 100.6 51.5 154.5

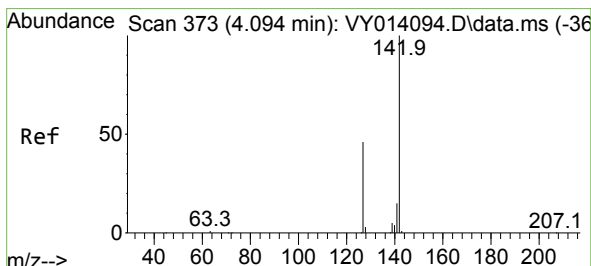
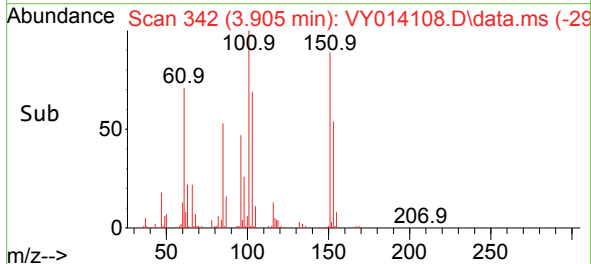
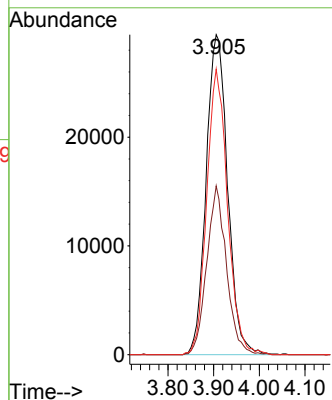
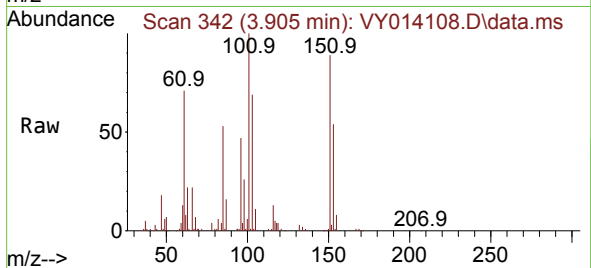




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.328 ug/l  
RT: 3.905 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

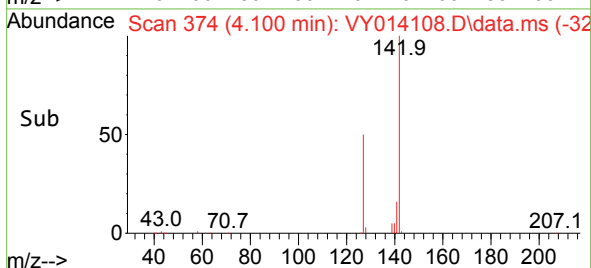
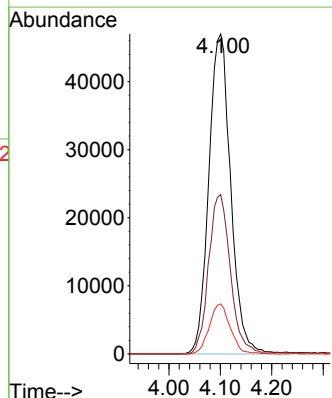
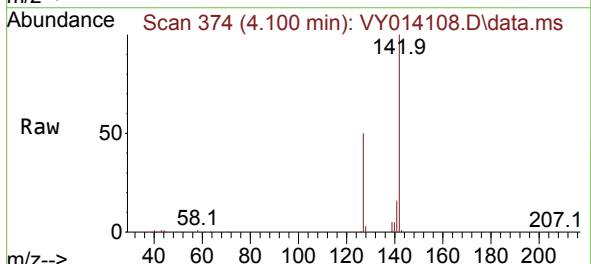
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

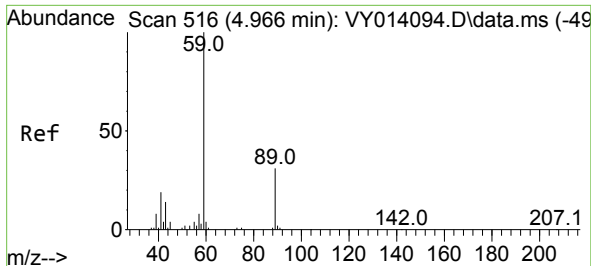
Tgt Ion:101 Resp: 96145  
Ion Ratio Lower Upper  
101 100  
85 48.5 36.6 55.0  
151 86.4 67.0 100.6



#10  
Methyl Iodide  
Concen: 48.530 ug/l  
RT: 4.100 min Scan# 374  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:142 Resp: 138990  
Ion Ratio Lower Upper  
142 100  
127 49.8 37.6 56.4  
141 15.0 11.8 17.8

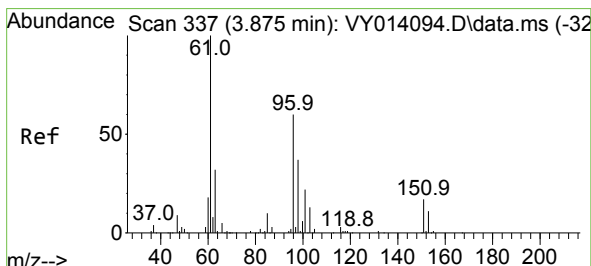
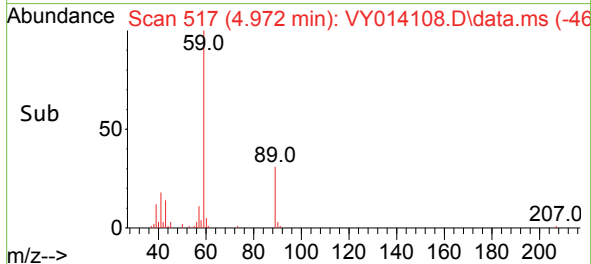
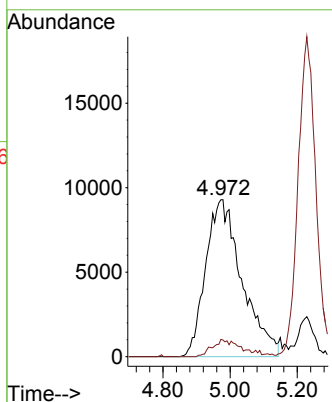
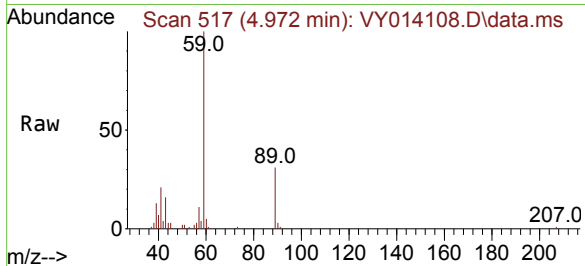




#11  
Tert butyl alcohol  
Concen: 222.798 ug/l  
RT: 4.972 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

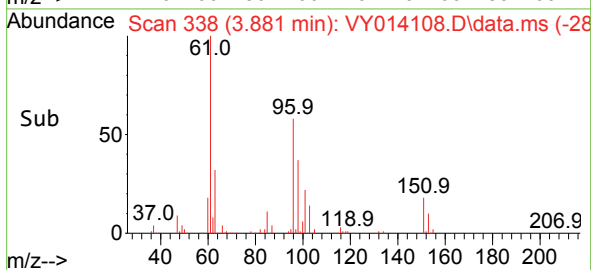
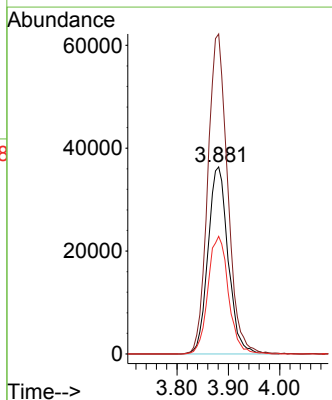
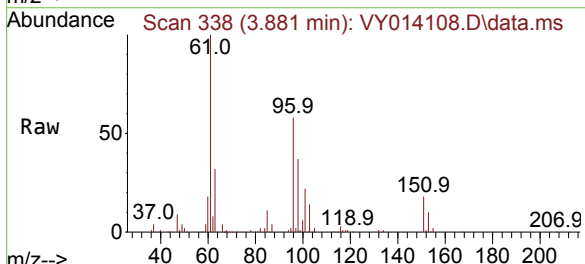
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

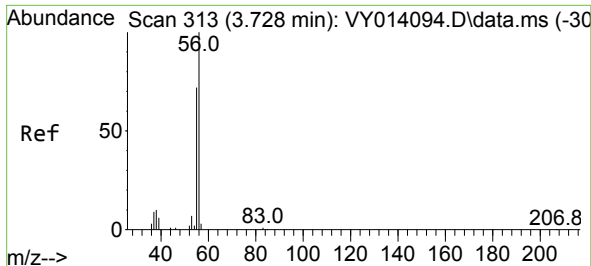
Tgt Ion: 59 Resp: 69848  
Ion Ratio Lower Upper  
59 100  
57 4.8 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 45.049 ug/l  
RT: 3.881 min Scan# 338  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 96 Resp: 99036  
Ion Ratio Lower Upper  
96 100  
61 171.1 136.4 204.6  
98 62.9 49.4 74.2

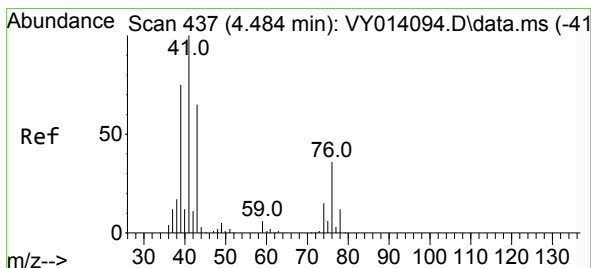
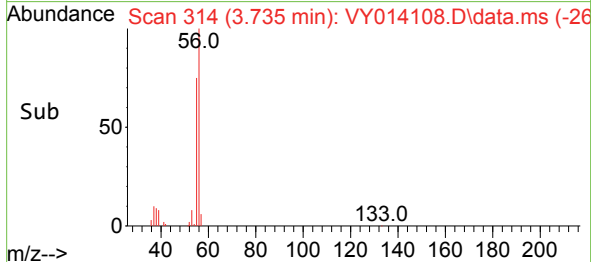
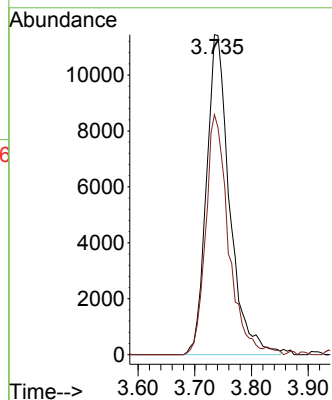
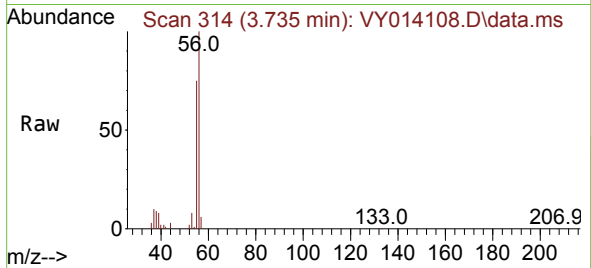




#13  
Acrolein  
Concen: 260.835 ug/l  
RT: 3.735 min Scan# 313  
Delta R.T. 0.007 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

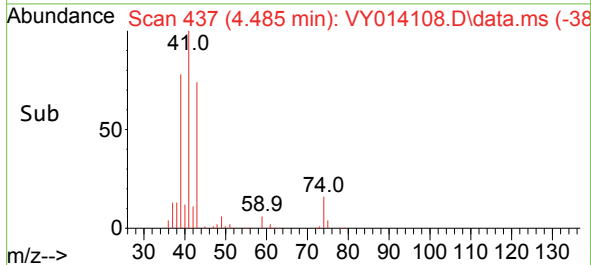
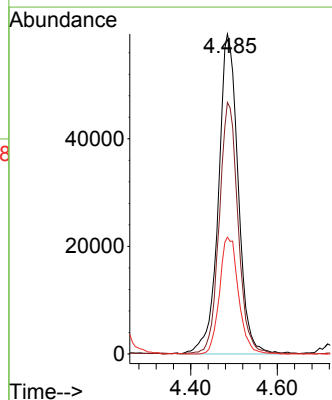
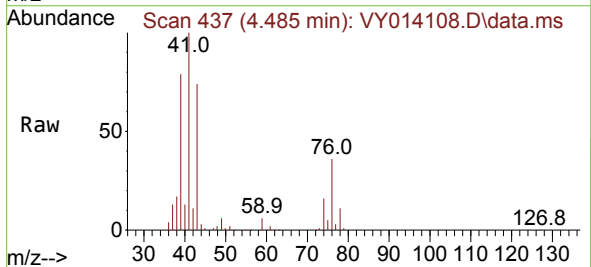
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

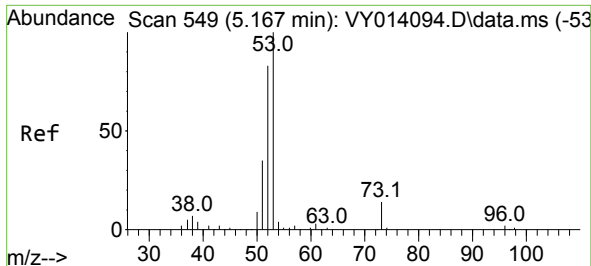
Tgt Ion: 56 Resp: 32454  
Ion Ratio Lower Upper  
56 100  
55 73.2 57.0 85.4



#14  
Allyl chloride  
Concen: 47.260 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.001 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 41 Resp: 188331  
Ion Ratio Lower Upper  
41 100  
39 75.1 58.0 87.0  
76 35.2 27.4 41.2

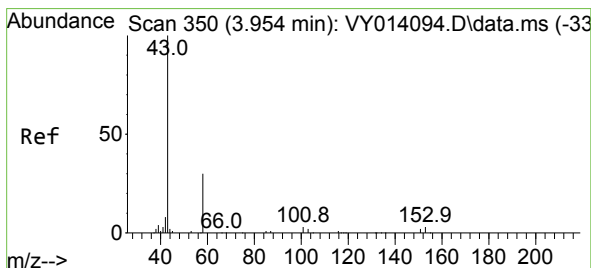
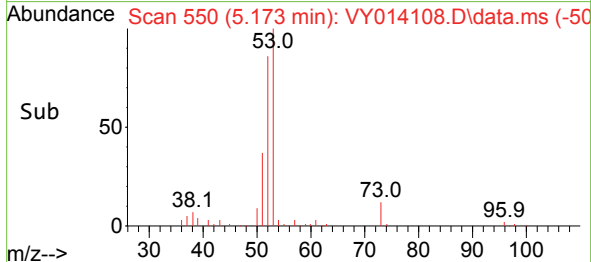
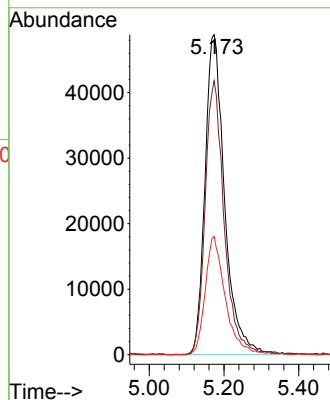
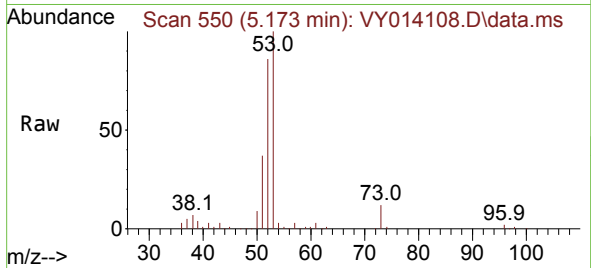




#15  
Acrylonitrile  
Concen: 241.161 ug/l  
RT: 5.173 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

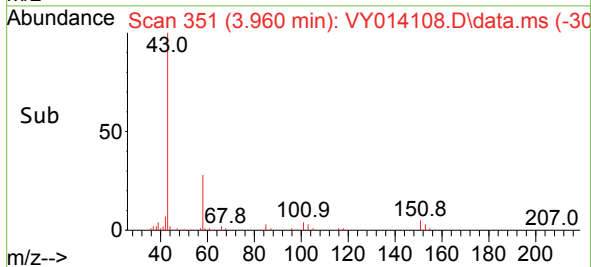
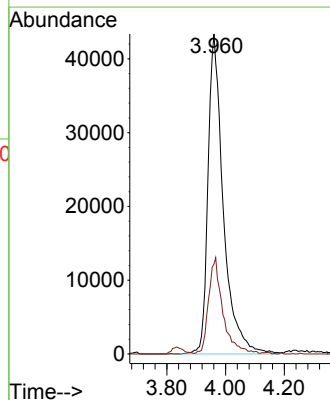
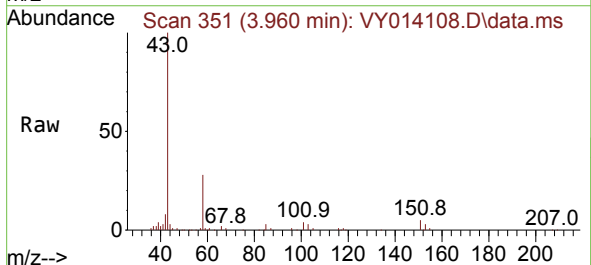
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

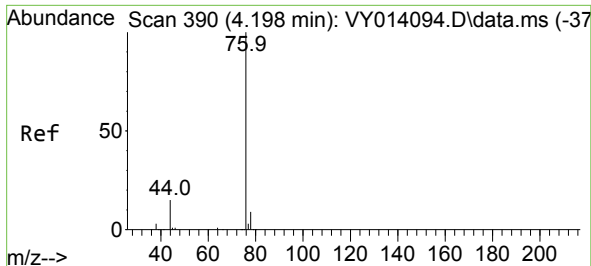
Tgt Ion: 53 Resp: 178503  
Ion Ratio Lower Upper  
53 100  
52 82.8 66.9 100.3  
51 37.7 29.8 44.6



#16  
Acetone  
Concen: 194.205 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 43 Resp: 156956  
Ion Ratio Lower Upper  
43 100  
58 27.8 22.7 34.1

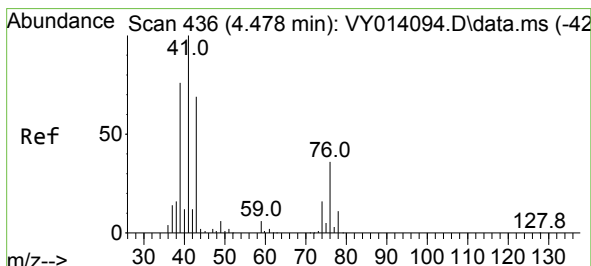
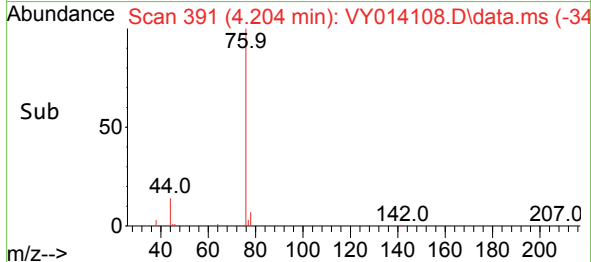
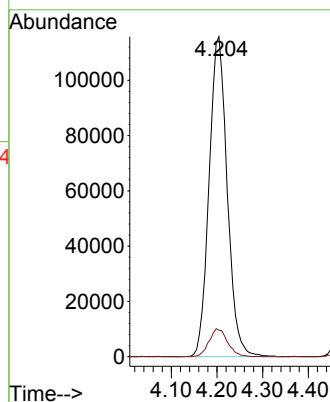
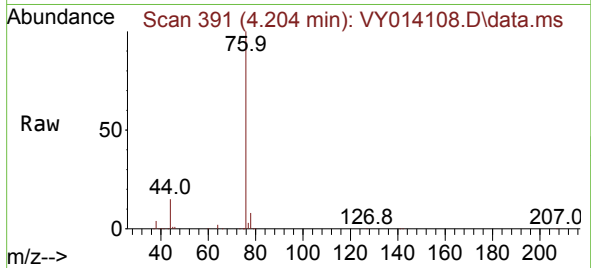




#17  
Carbon Disulfide  
Concen: 44.786 ug/l  
RT: 4.204 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

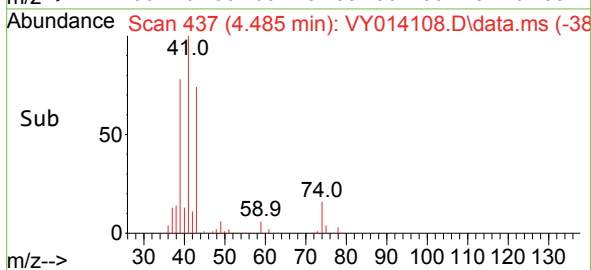
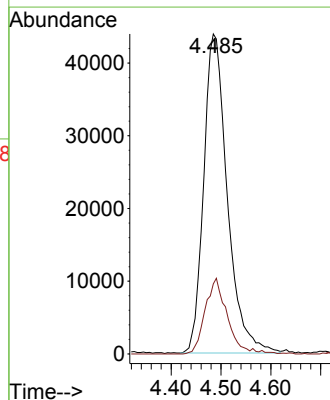
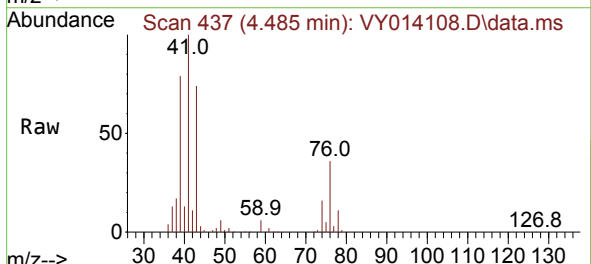
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

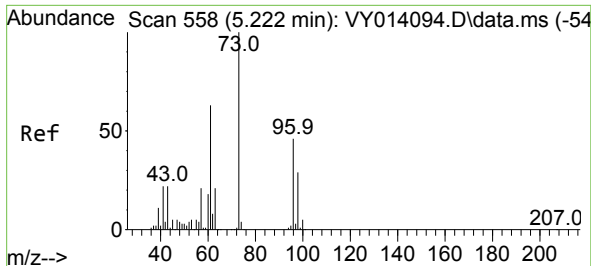
Tgt Ion: 76 Resp: 319051  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.0 10.4



#18  
Methyl Acetate  
Concen: 46.134 ug/l  
RT: 4.485 min Scan# 437  
Delta R.T. 0.007 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 43 Resp: 144724  
Ion Ratio Lower Upper  
43 100  
74 22.0 17.4 26.0

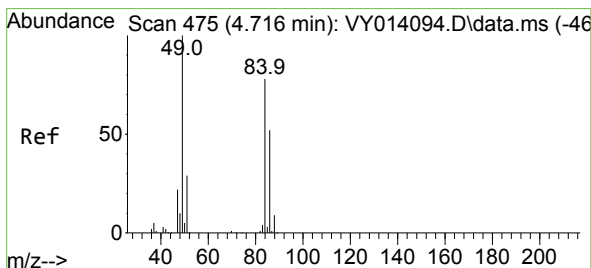
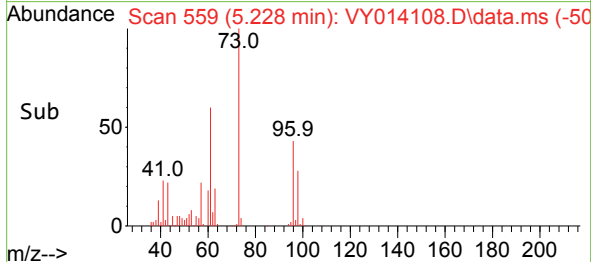
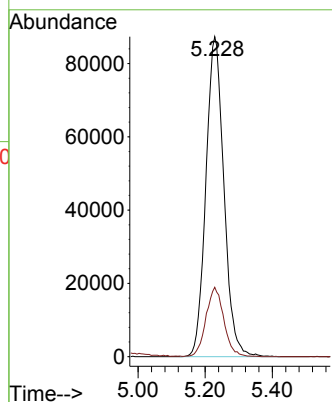
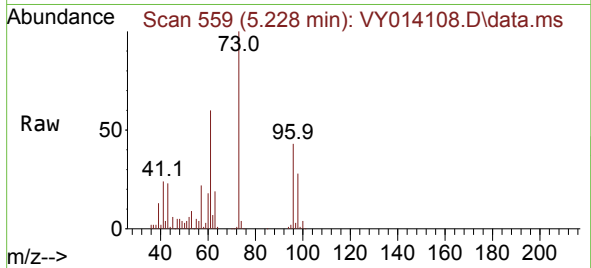




#19  
Methyl tert-butyl Ether  
Concen: 50.094 ug/l  
RT: 5.228 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

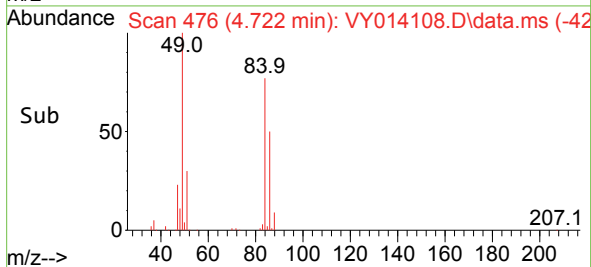
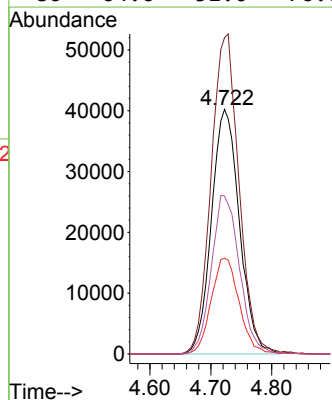
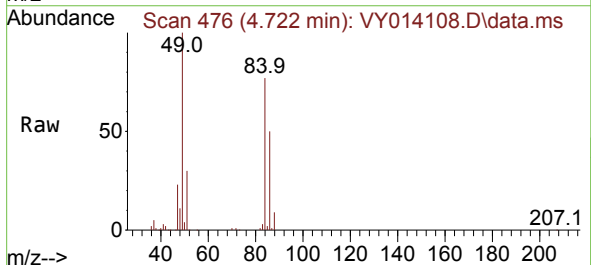
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

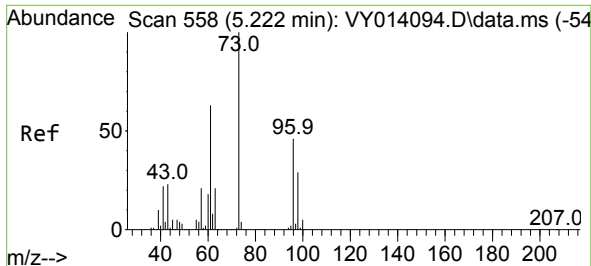
Tgt Ion: 73 Resp: 324807  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.3 25.9



#20  
Methylene Chloride  
Concen: 49.794 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 84 Resp: 128516  
Ion Ratio Lower Upper  
84 100  
49 129.4 106.9 160.3  
51 39.2 33.2 49.8  
86 64.6 51.0 76.6

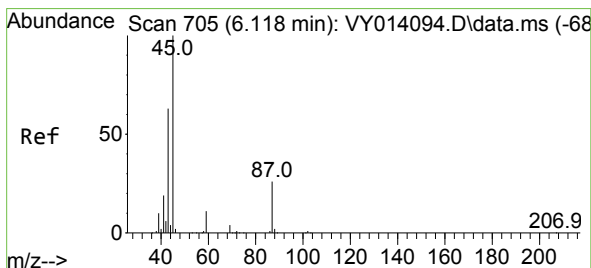
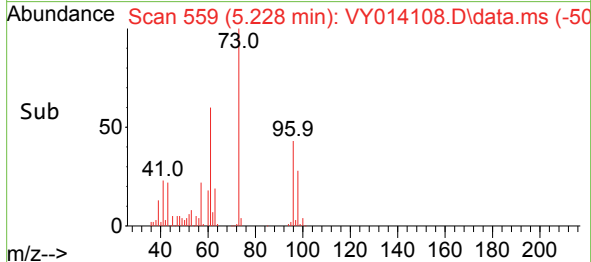
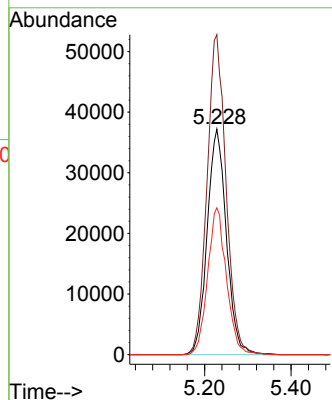
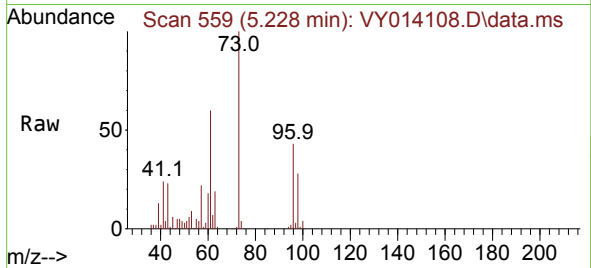




#21  
trans-1,2-Dichloroethene  
Concen: 46.759 ug/l  
RT: 5.228 min Scan# 511  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

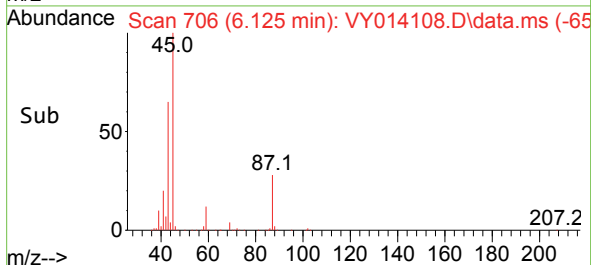
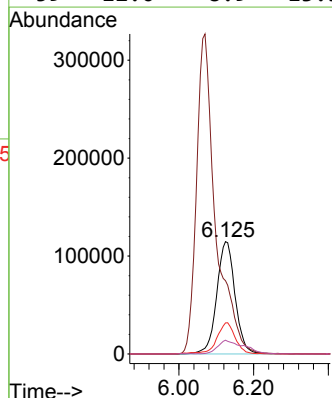
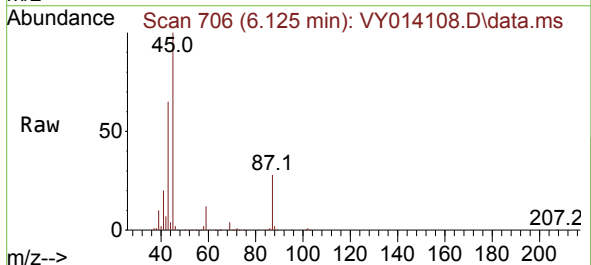
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

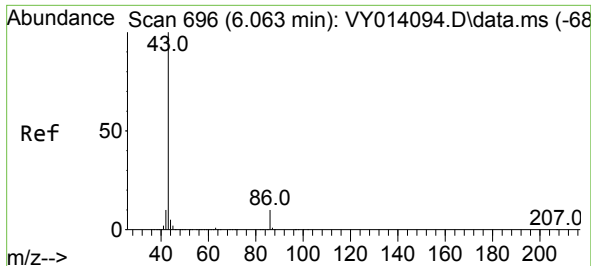
Tgt Ion: 96 Resp: 114653  
Ion Ratio Lower Upper  
96 100  
61 141.8 110.2 165.4  
98 65.1 51.8 77.6



#22  
Diisopropyl ether  
Concen: 51.169 ug/l  
RT: 6.125 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 45 Resp: 390411  
Ion Ratio Lower Upper  
45 100  
43 65.0 52.2 78.4  
87 27.6 21.0 31.6  
59 12.0 8.9 13.3

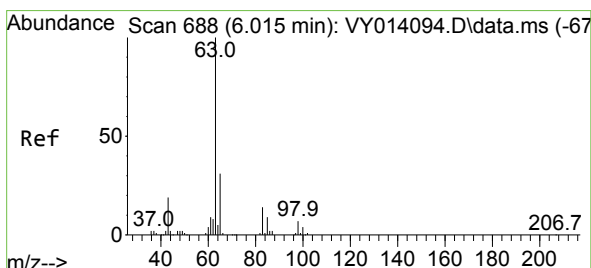
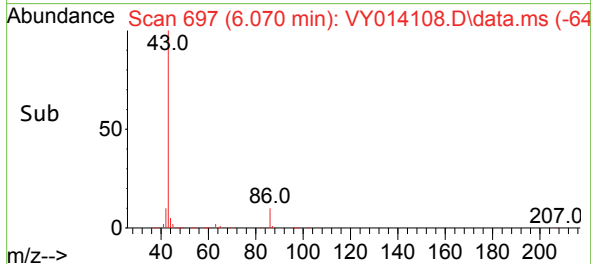
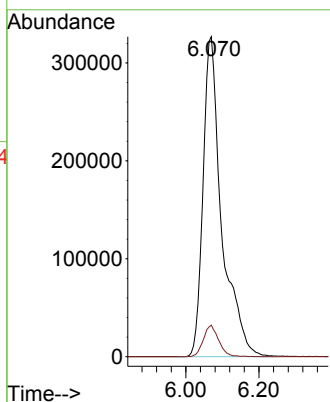
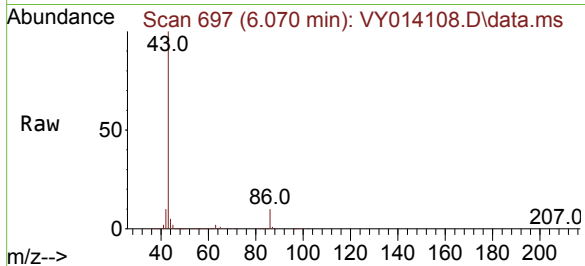




#23  
 Vinyl Acetate  
 Concen: 256.806 ug/l  
 RT: 6.070 min Scan# 696  
 Delta R.T. 0.007 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

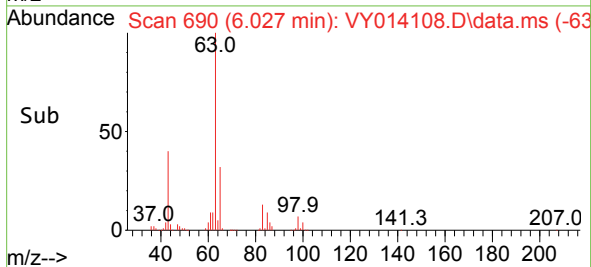
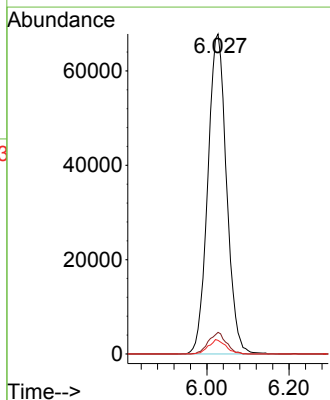
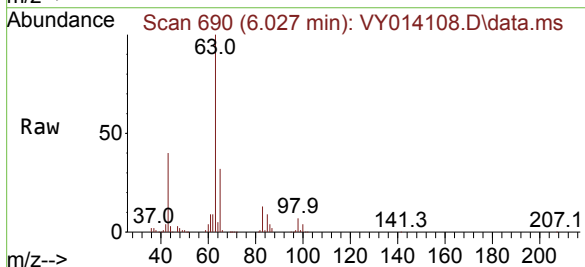
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

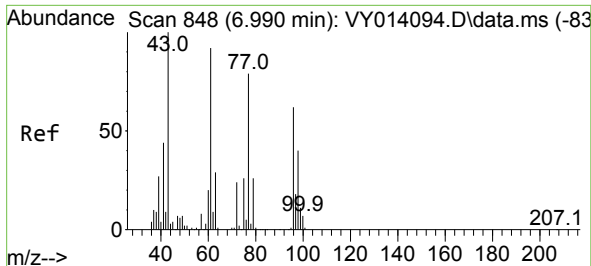
Tgt Ion: 43 Resp: 1156082  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 48.750 ug/l  
 RT: 6.027 min Scan# 690  
 Delta R.T. 0.012 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

Tgt Ion: 63 Resp: 214459  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.1 9.4  
 100 4.3 1.8 5.5

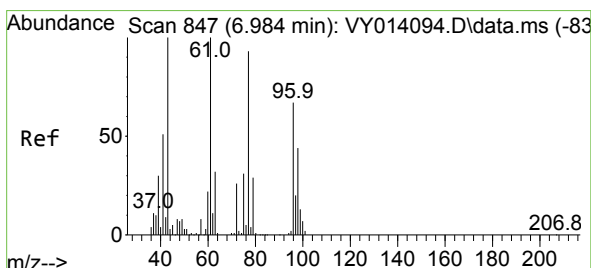
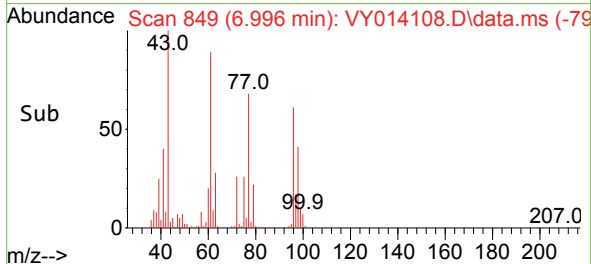
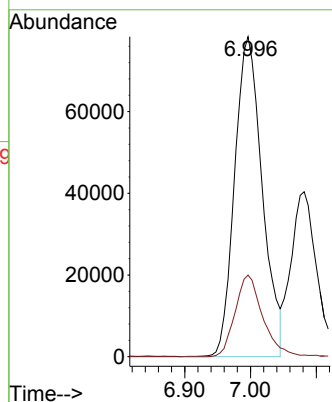
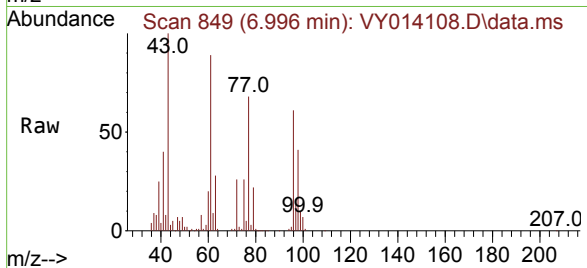




#25  
2-Butanone  
Concen: 229.719 ug/l  
RT: 6.996 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

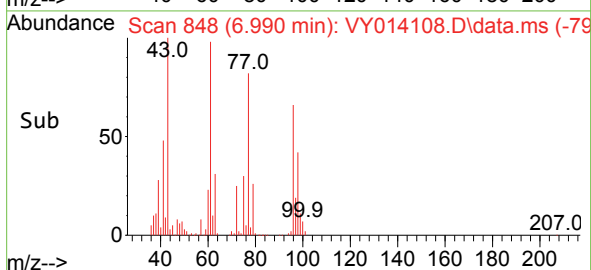
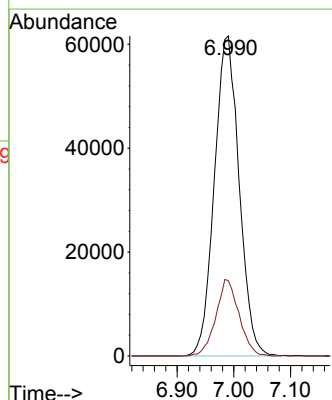
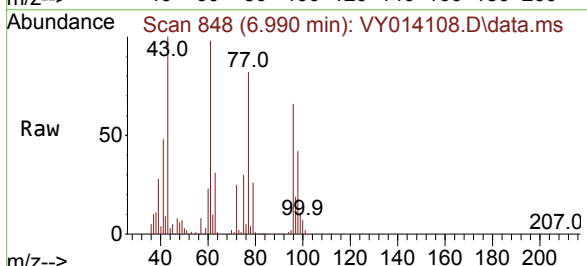
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

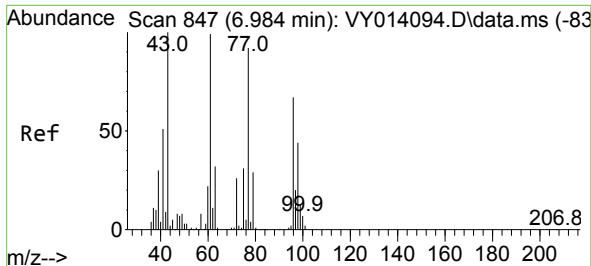
Tgt Ion: 43 Resp: 228538  
Ion Ratio Lower Upper  
43 100  
72 25.5 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 45.111 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 77 Resp: 186391  
Ion Ratio Lower Upper  
77 100  
97 22.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 49.421 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

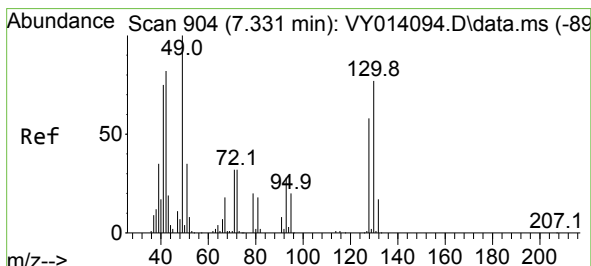
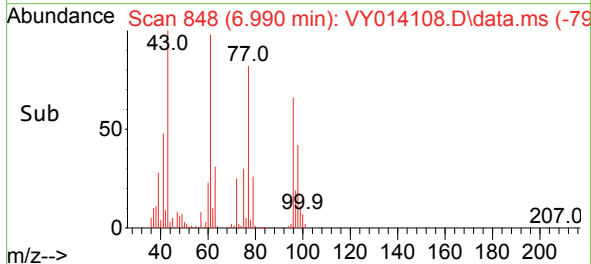
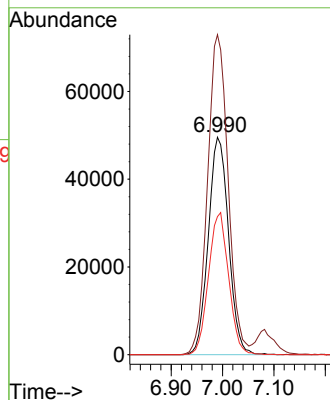
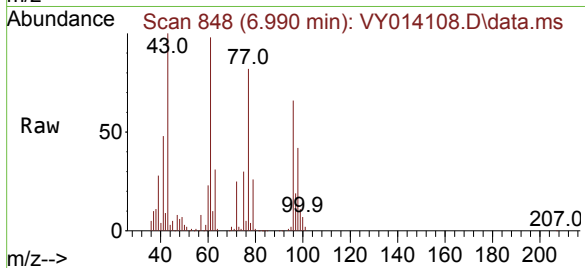
Tgt Ion: 96 Resp: 135559

Ion Ratio Lower Upper

96 100

61 149.3 0.0 301.4

98 65.1 0.0 130.4



#28

Bromochloromethane

Concen: 49.409 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.013 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

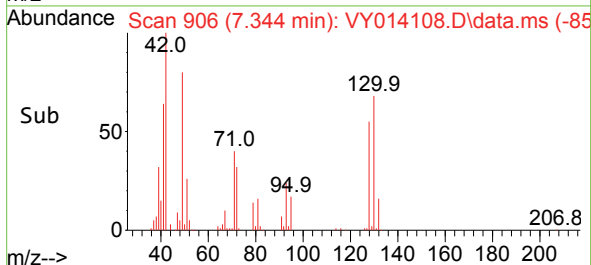
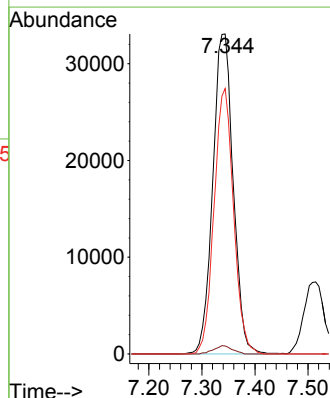
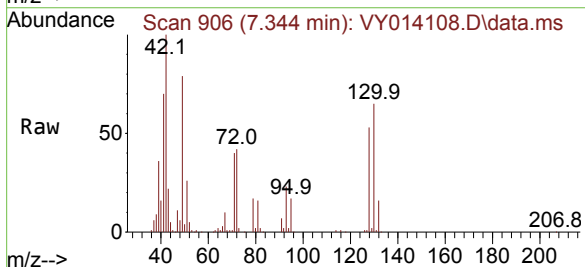
Tgt Ion: 49 Resp: 88392

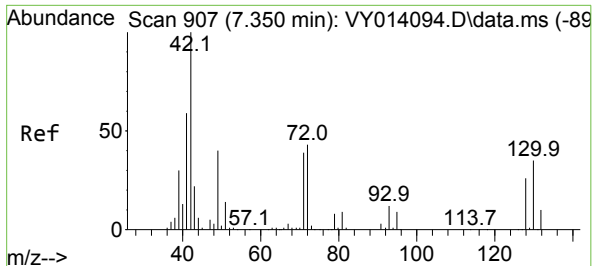
Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

130 79.3 60.7 91.1





#29

Tetrahydrofuran

Concen: 239.667 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

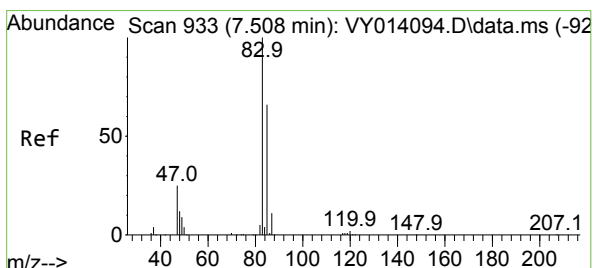
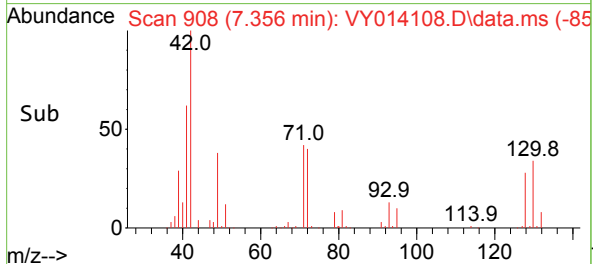
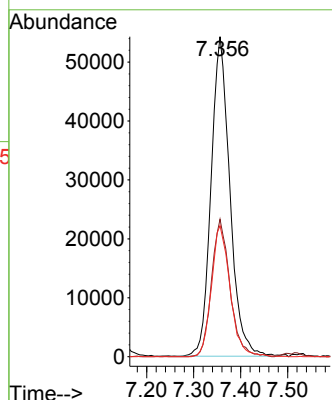
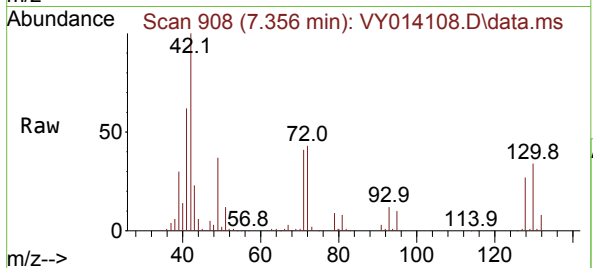
Tgt Ion: 42 Resp: 151194

Ion Ratio Lower Upper

42 100

72 42.0 32.8 49.2

71 40.6 31.0 46.4



#30

Chloroform

Concen: 49.616 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.000 min

Lab File: VY014108.D

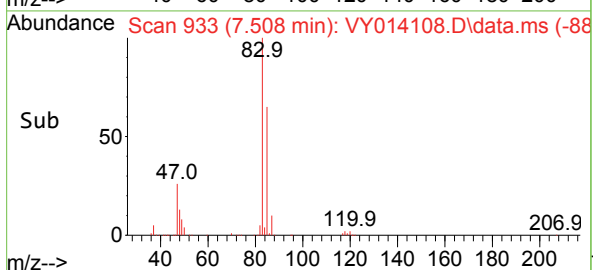
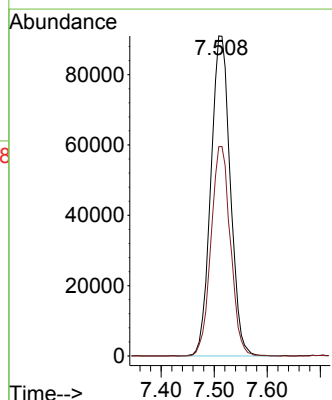
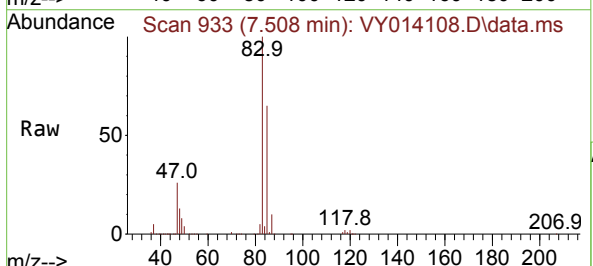
Acq: 09 Jun 2023 20:31

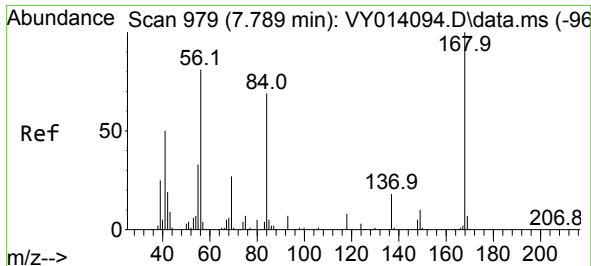
Tgt Ion: 83 Resp: 231561

Ion Ratio Lower Upper

83 100

85 65.4 49.7 74.5

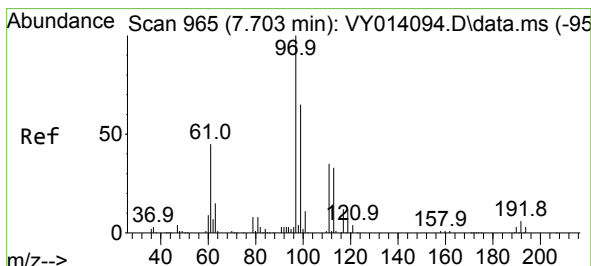
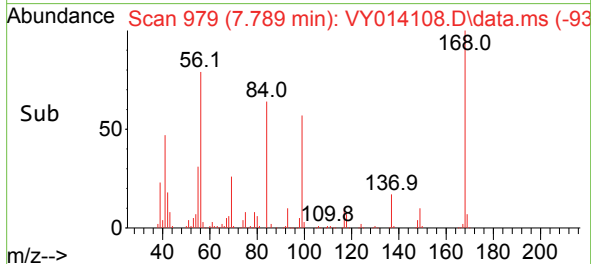
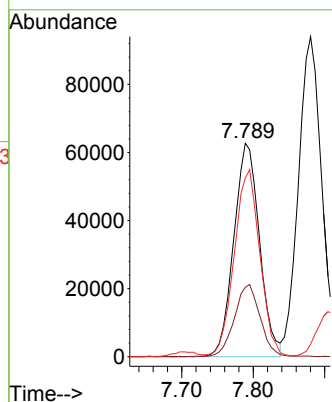
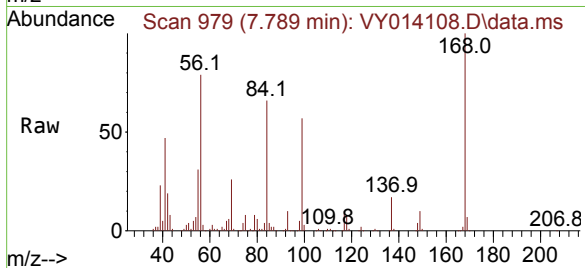




#31  
Cyclohexane  
Concen: 43.639 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

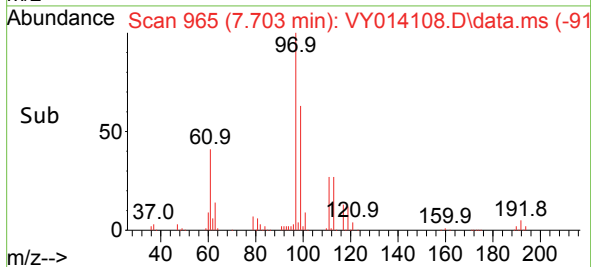
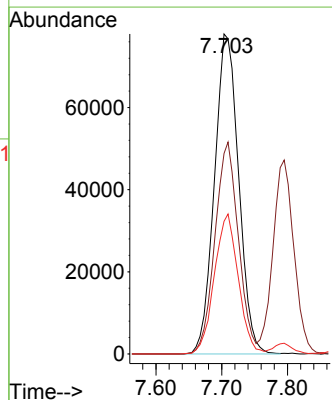
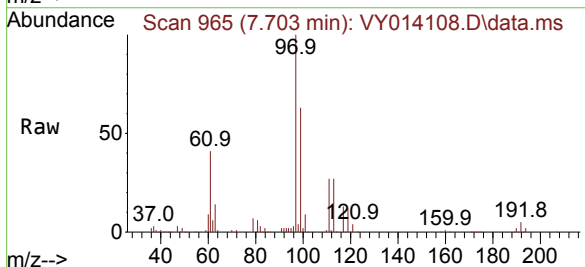
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

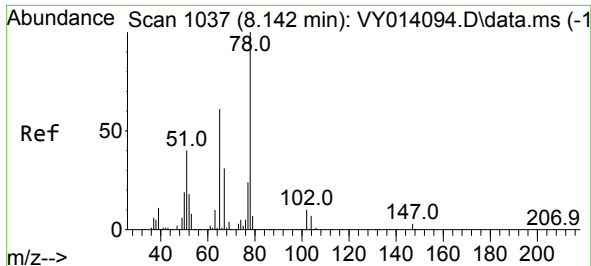
Tgt Ion: 56 Resp: 156741  
Ion Ratio Lower Upper  
56 100  
69 32.4 27.8 41.6  
84 81.7 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 47.477 ug/l  
RT: 7.703 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 97 Resp: 199845  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.8 76.2  
61 43.2 35.1 52.7

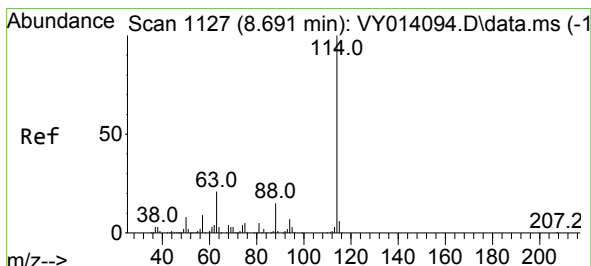
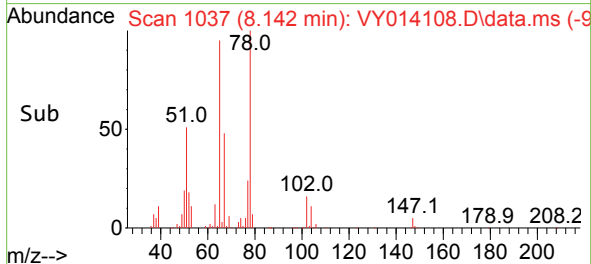
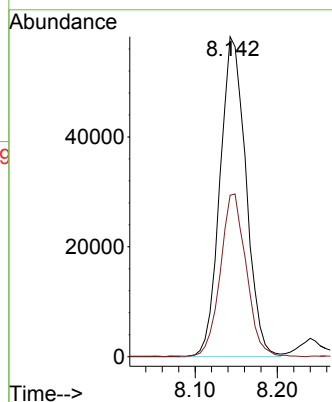
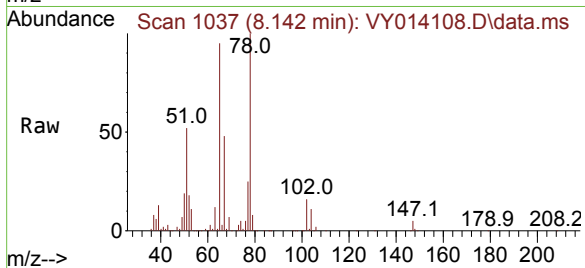




#33  
1,2-Dichloroethane-d4  
Concen: 47.663 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

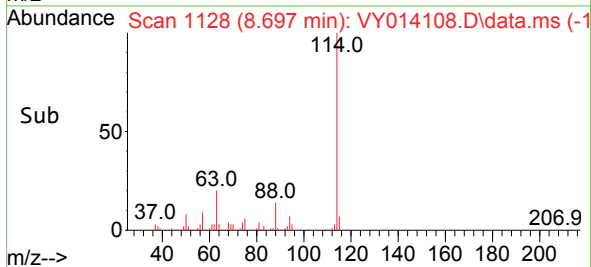
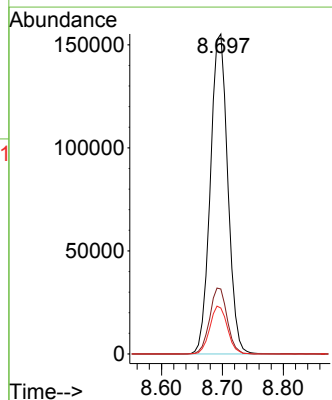
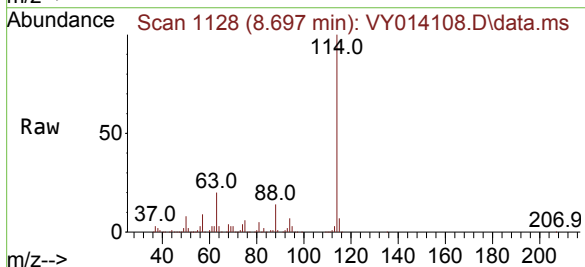
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

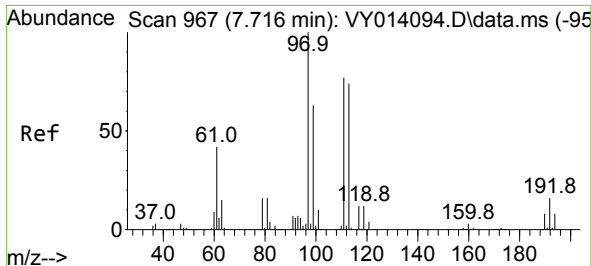
Tgt Ion: 65 Resp: 127793  
Ion Ratio Lower Upper  
65 100  
67 50.8 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 114 Resp: 308355  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 42.4  
88 14.3 0.0 30.6

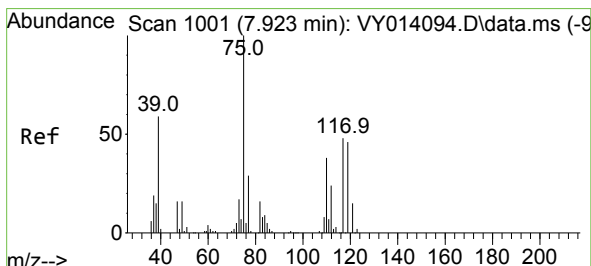
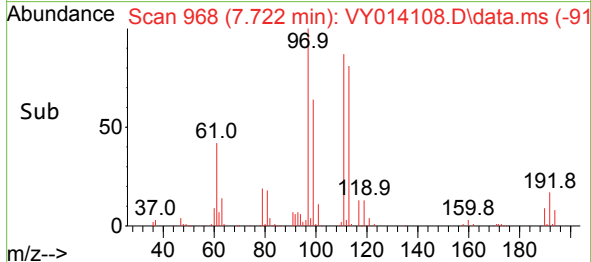
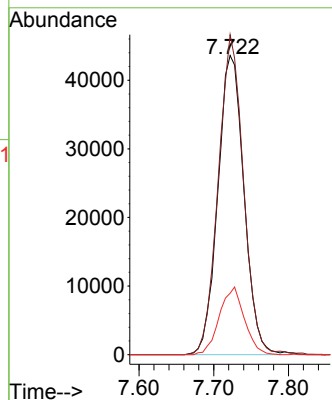
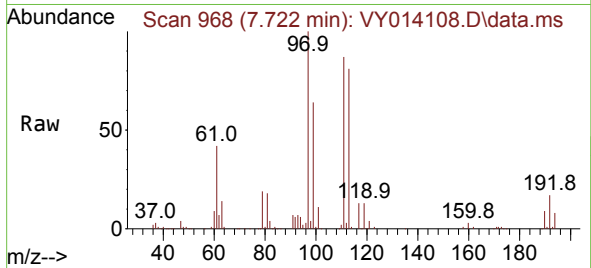




#35  
Dibromofluoromethane  
Concen: 48.491 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

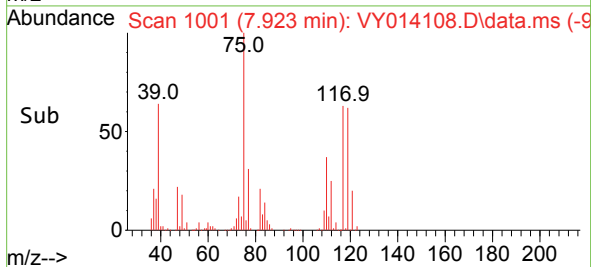
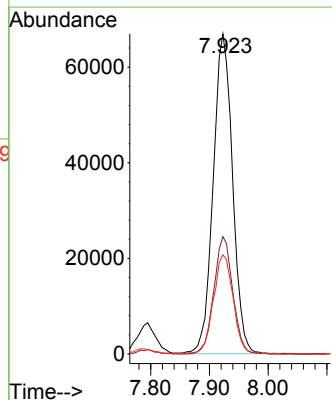
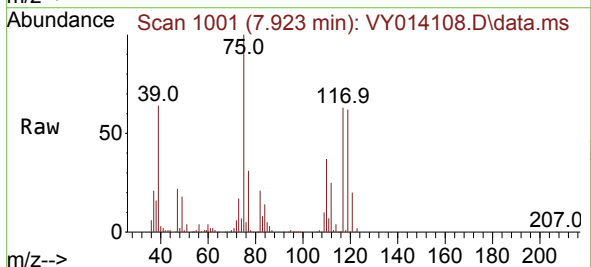
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

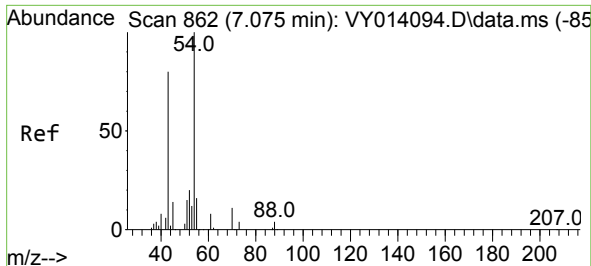
Tgt Ion:113 Resp: 106039  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.3 121.9  
192 21.6 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 44.964 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 75 Resp: 153294  
Ion Ratio Lower Upper  
75 100  
110 35.7 17.8 53.5  
77 31.5 24.4 36.6





#37

Ethyl Acetate

Concen: 47.991 ug/l

RT: 7.082 min Scan# 8

Delta R.T. 0.007 min

Lab File: VY014108.D

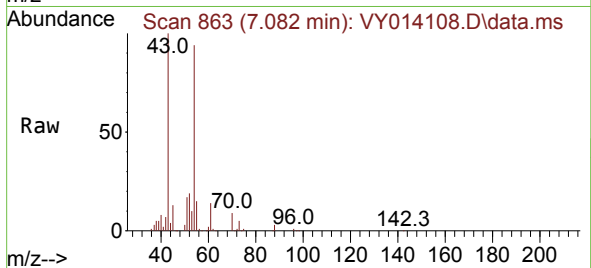
Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC



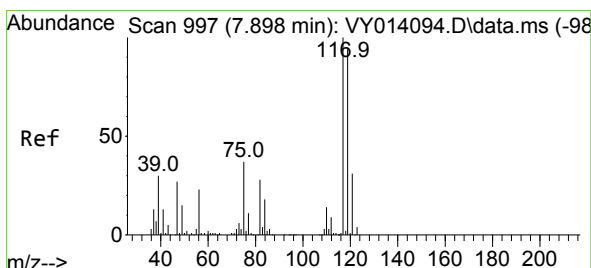
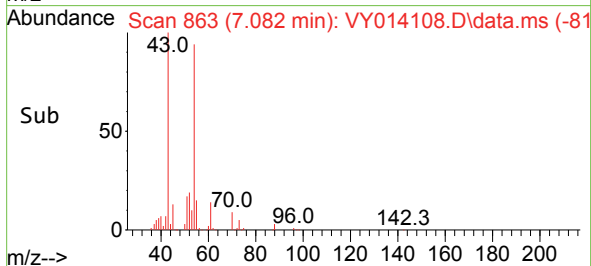
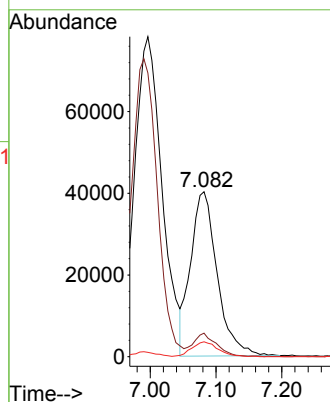
Tgt Ion: 43 Resp: 112889

Ion Ratio Lower Upper

43 100

61 12.1 10.1 15.1

70 9.0 7.1 10.7



#38

Carbon Tetrachloride

Concen: 46.095 ug/l

RT: 7.911 min Scan# 999

Delta R.T. 0.013 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

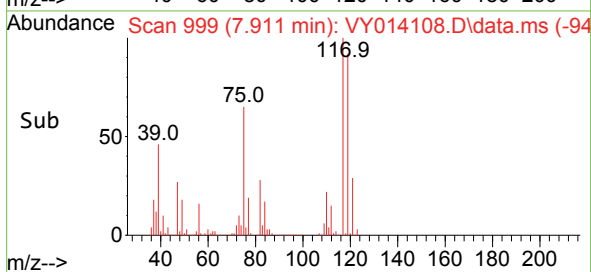
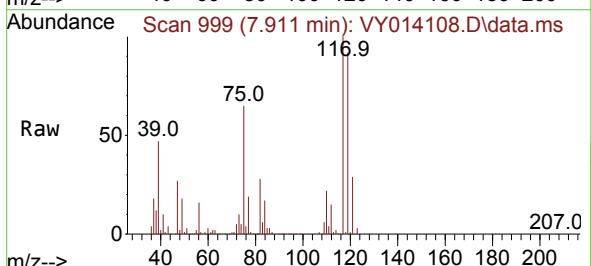
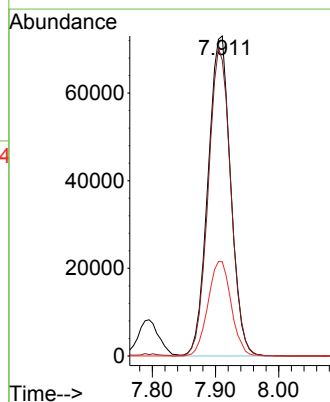
Tgt Ion: 117 Resp: 181348

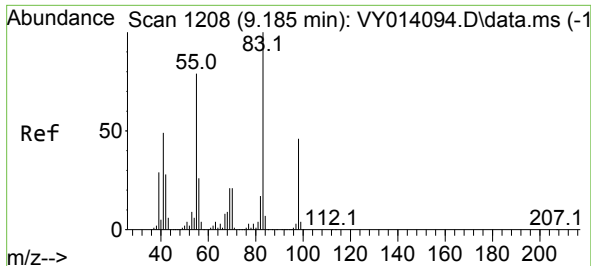
Ion Ratio Lower Upper

117 100

119 92.3 76.4 114.6

121 29.4 25.8 38.6





#39

Methylcyclohexane

Concen: 45.410 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

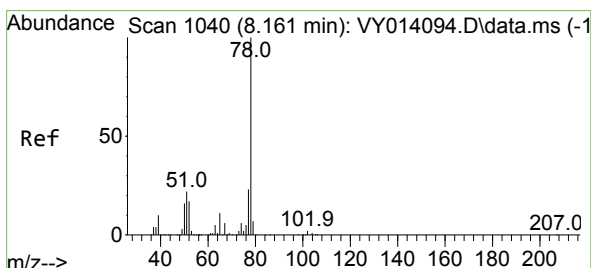
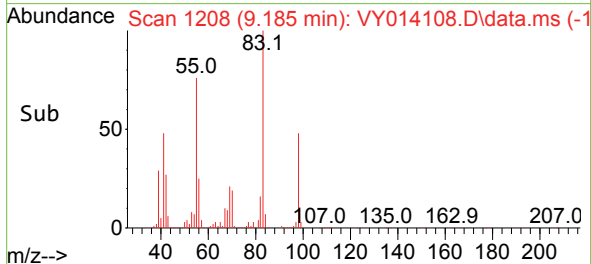
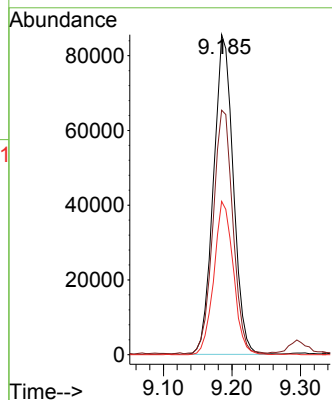
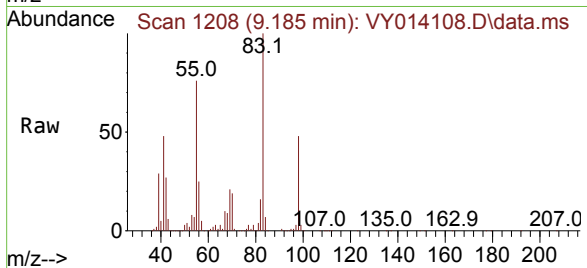
Tgt Ion: 83 Resp: 171766

Ion Ratio Lower Upper

83 100

55 75.9 63.0 94.4

98 47.9 37.4 56.2



#40

Benzene

Concen: 47.461 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY014108.D

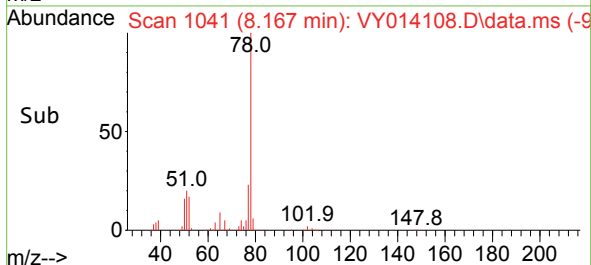
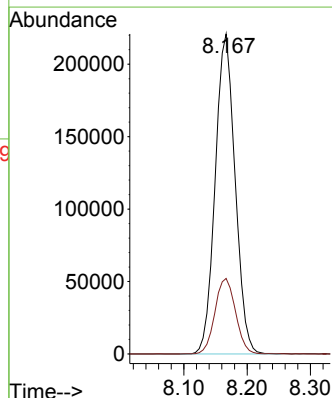
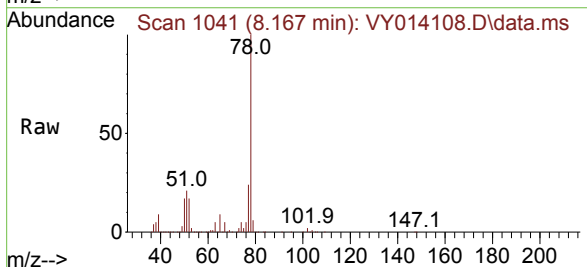
Acq: 09 Jun 2023 20:31

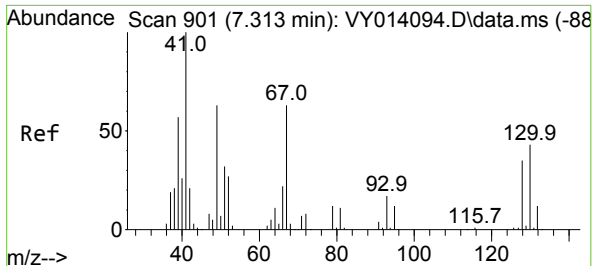
Tgt Ion: 78 Resp: 481148

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.6

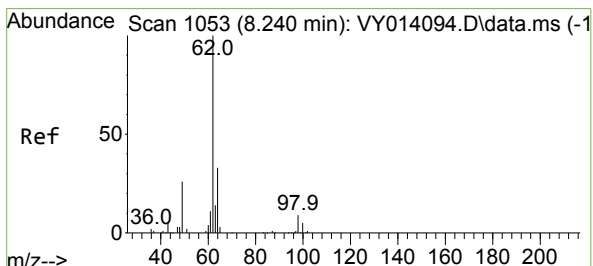
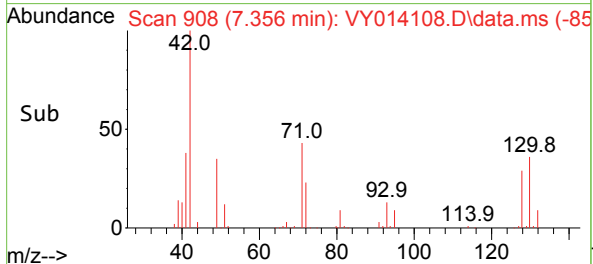
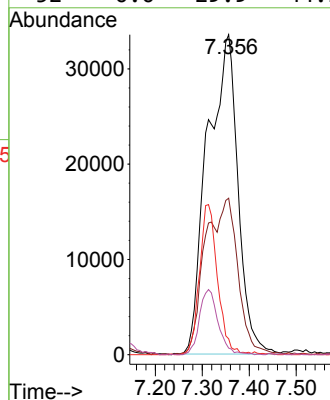
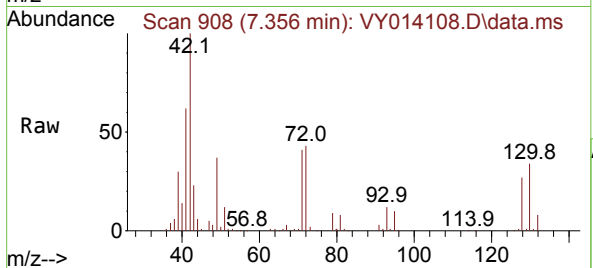




#41  
Methacrylonitrile  
Concen: 125.577 ug/l  
RT: 7.356 min Scan# 901  
Delta R.T. 0.043 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

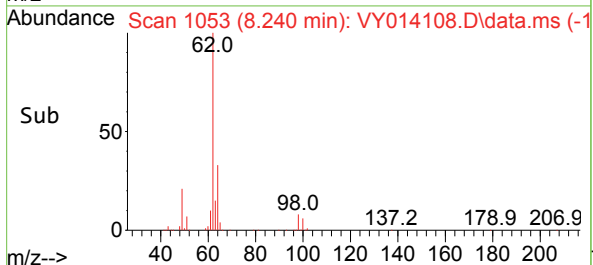
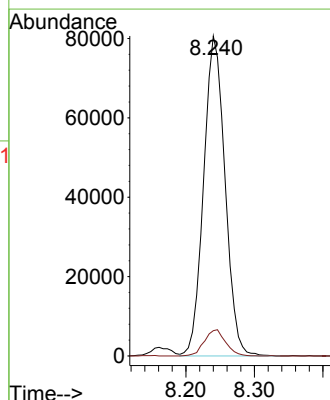
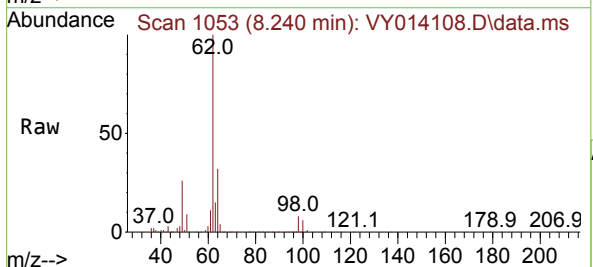
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

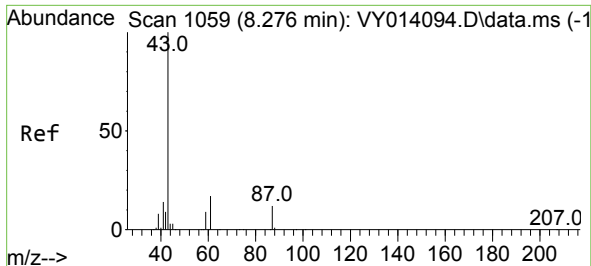
Tgt Ion: 41 Resp: 150756  
Ion Ratio Lower Upper  
41 100  
39 0.0 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 48.873 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 62 Resp: 175205  
Ion Ratio Lower Upper  
62 100  
98 8.2 0.0 15.8

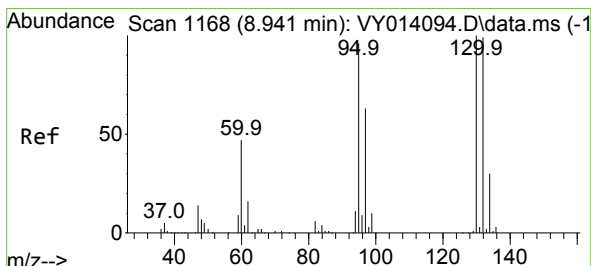
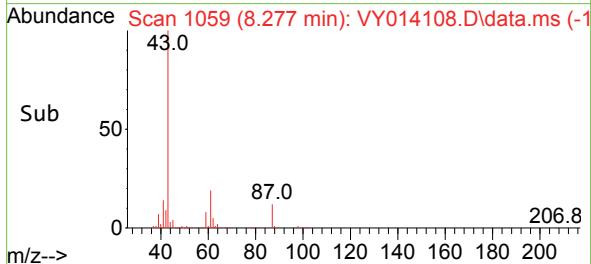
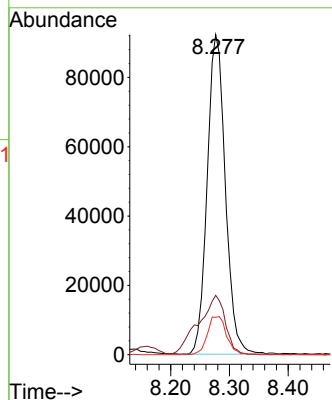
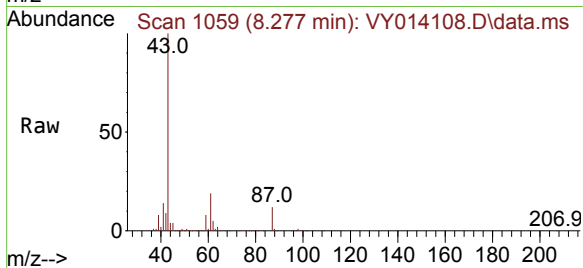




#43  
Isopropyl Acetate  
Concen: 48.065 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. 0.001 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

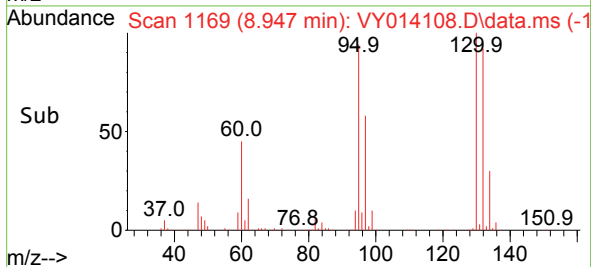
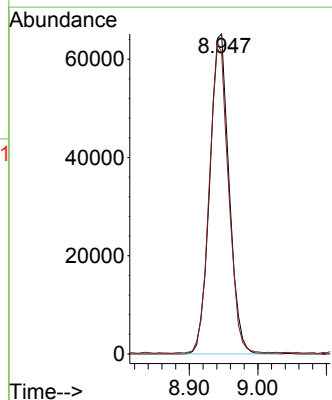
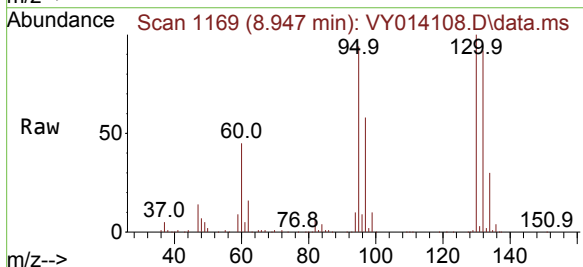
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

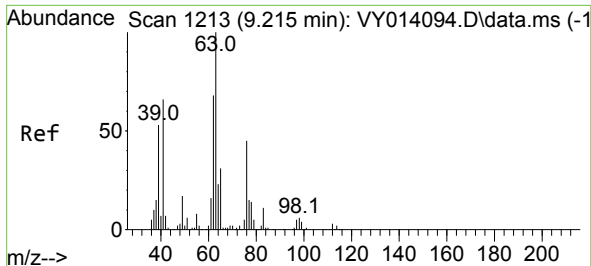
Tgt Ion: 43 Resp: 198167  
Ion Ratio Lower Upper  
43 100  
61 27.0 21.1 31.7  
87 12.6 9.8 14.8



#44  
Trichloroethene  
Concen: 46.973 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:130 Resp: 127228  
Ion Ratio Lower Upper  
130 100  
95 93.8 0.0 196.0





#45

1,2-Dichloropropane

Concen: 47.192 ug/l

RT: 9.222 min Scan# 1214

Delta R.T. 0.007 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

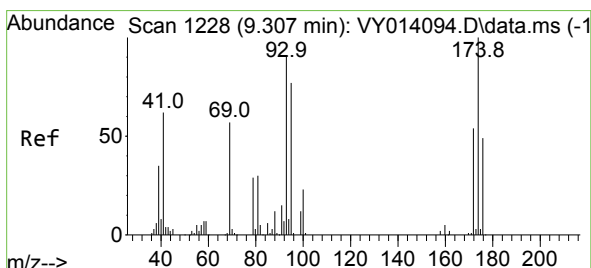
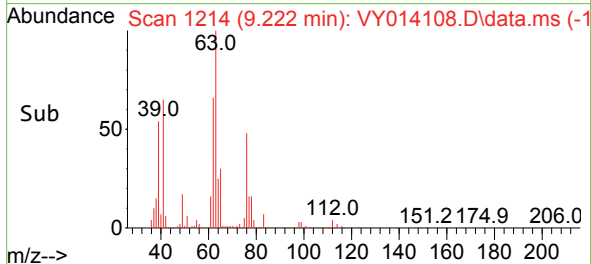
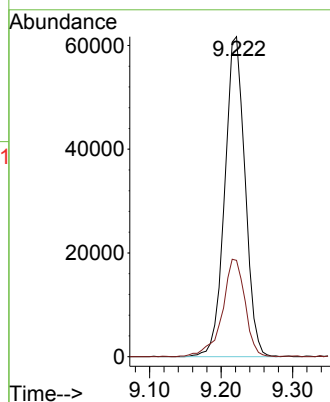
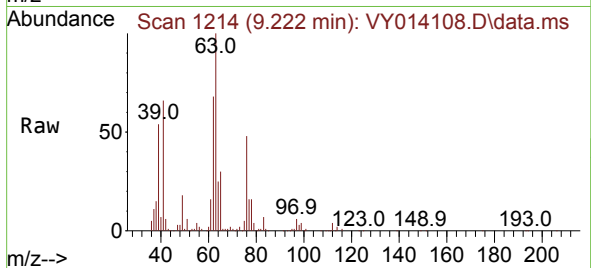
VSTDCCC050EC

Tgt Ion: 63 Resp: 121517

Ion Ratio Lower Upper

63 100

65 30.0 23.8 35.6



#46

Dibromomethane

Concen: 48.749 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

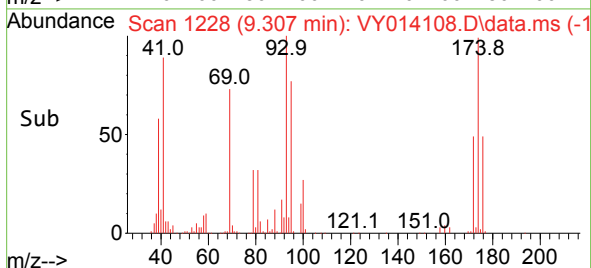
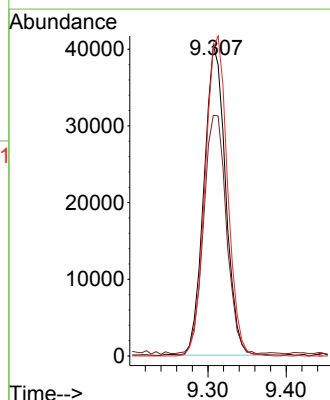
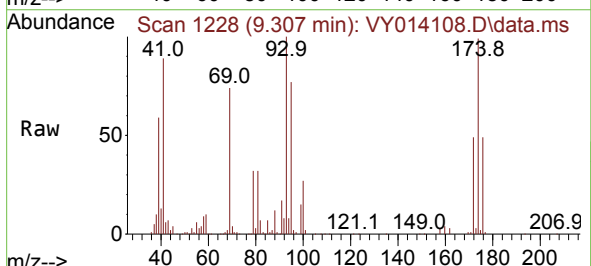
Tgt Ion: 93 Resp: 77269

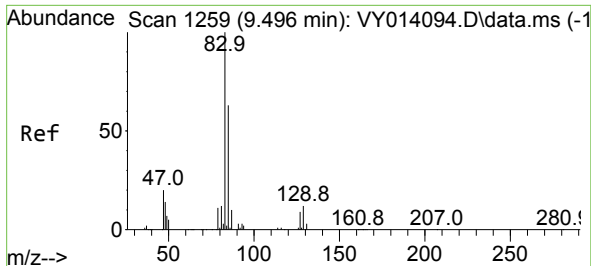
Ion Ratio Lower Upper

93 100

95 81.1 66.6 100.0

174 106.7 84.8 127.2

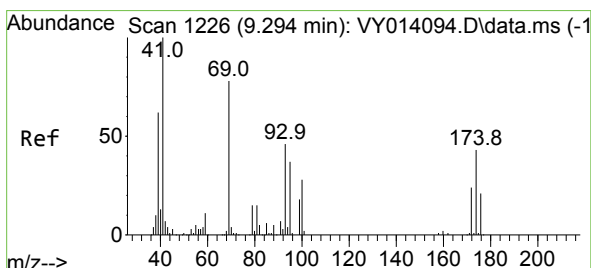
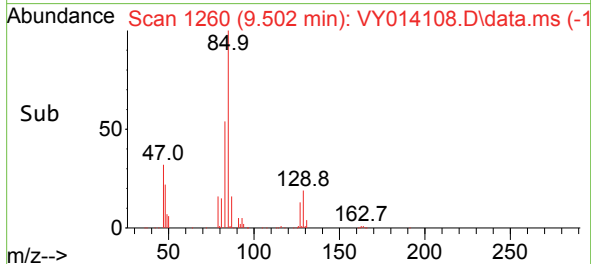
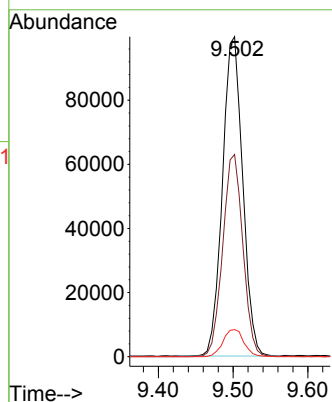
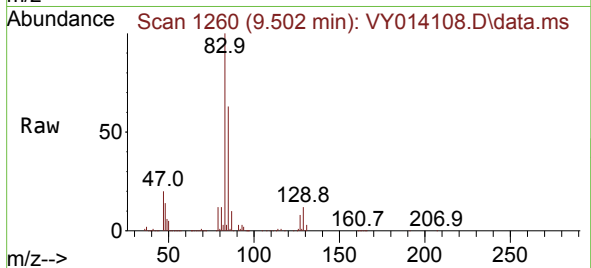




#47  
Bromodichloromethane  
Concen: 50.523 ug/l  
RT: 9.502 min Scan# 1260  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

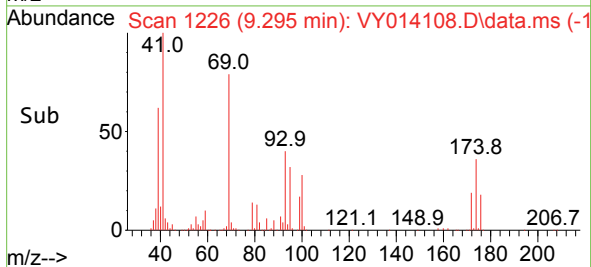
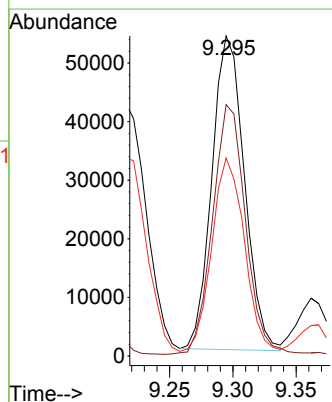
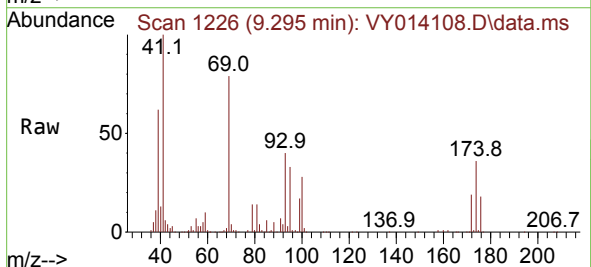
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

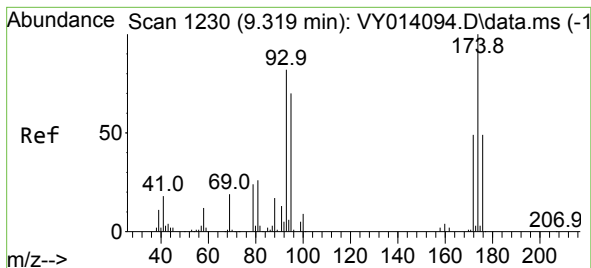
Tgt Ion: 83 Resp: 187504  
Ion Ratio Lower Upper  
83 100  
85 63.3 50.1 75.1  
127 8.5 7.1 10.7



#48  
Methyl methacrylate  
Concen: 49.713 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.001 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 41 Resp: 95596  
Ion Ratio Lower Upper  
41 100  
69 80.9 64.5 96.7  
39 64.5 50.8 76.2





#49

1,4-Dioxane

Concen: 963.590 ug/l

RT: 9.313 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

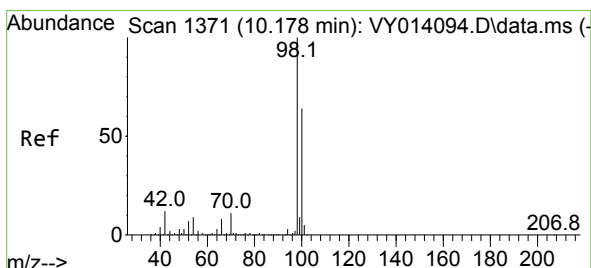
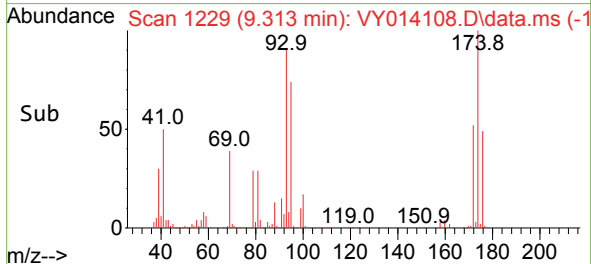
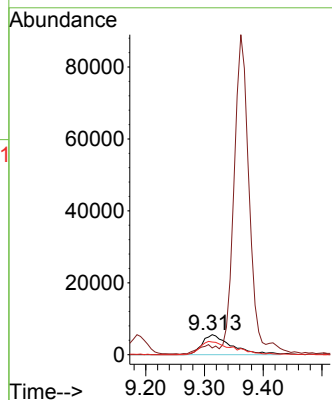
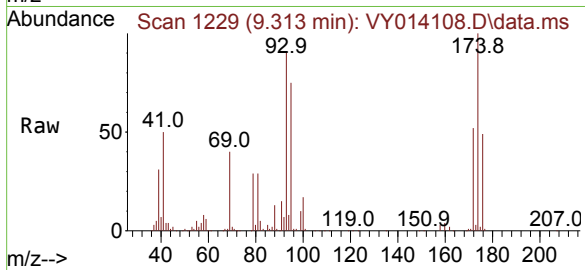
Tgt Ion: 88 Resp: 19407

Ion Ratio Lower Upper

88 100

43 29.4 0.0 0.0#

58 72.4 30.9 46.3#



#50

Toluene-d8

Concen: 45.798 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.007 min

Lab File: VY014108.D

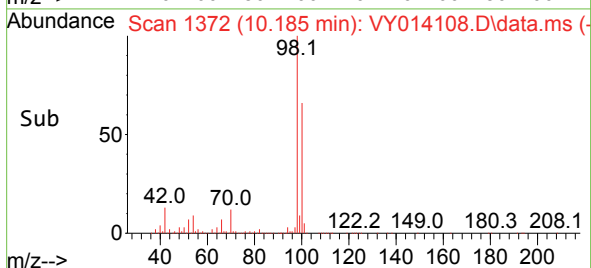
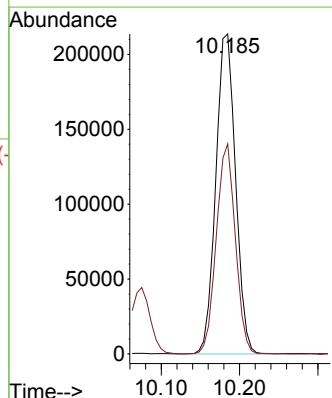
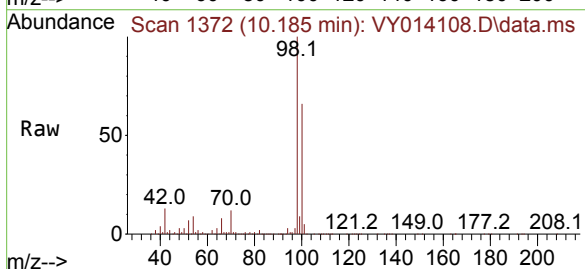
Acq: 09 Jun 2023 20:31

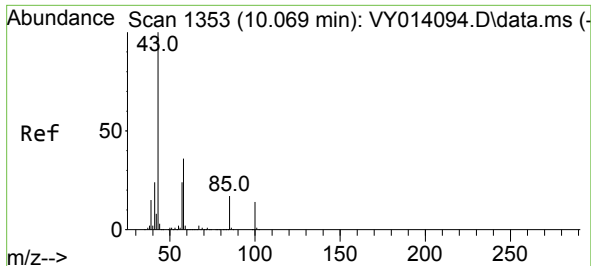
Tgt Ion: 98 Resp: 374420

Ion Ratio Lower Upper

98 100

100 63.4 50.1 75.1

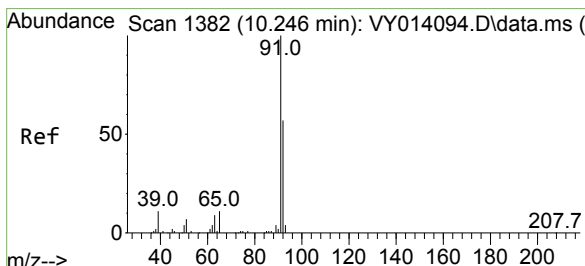
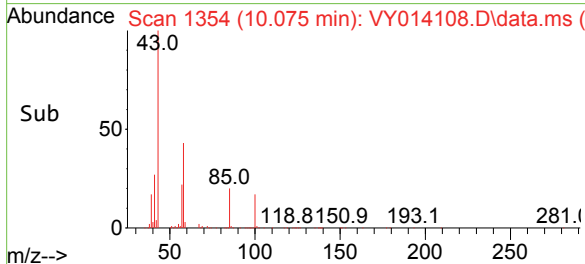
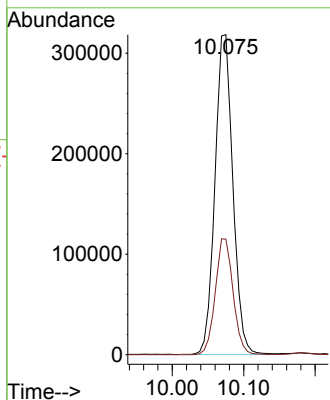
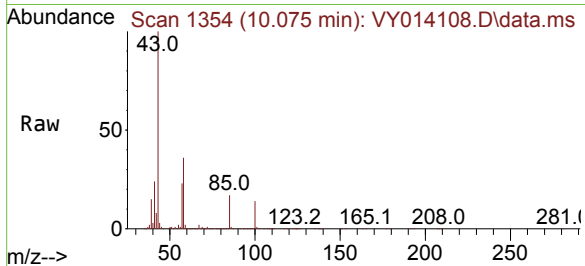




#51  
4-Methyl-2-Pentanone  
Concen: 247.342 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.006 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

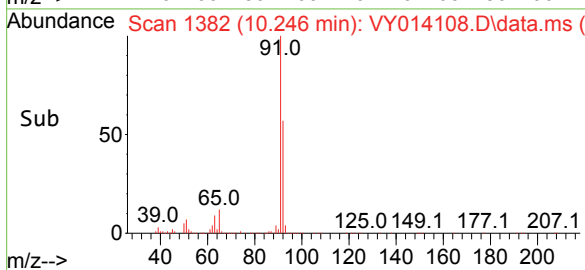
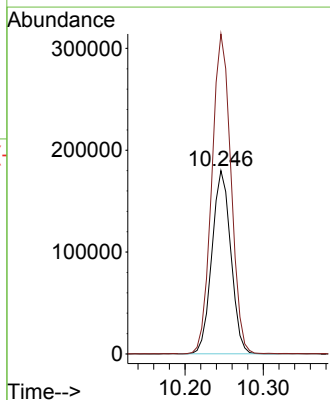
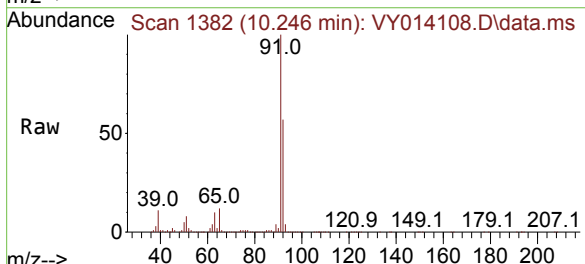
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

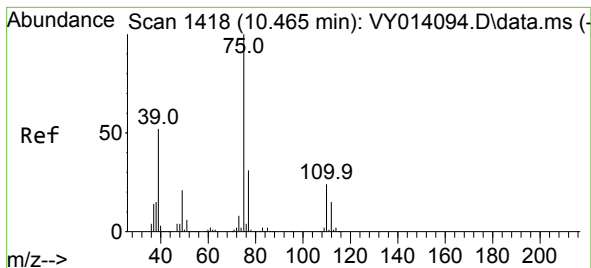
Tgt Ion: 43 Resp: 554022  
Ion Ratio Lower Upper  
43 100  
58 36.1 29.0 43.6



#52  
Toluene  
Concen: 47.999 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 92 Resp: 301642  
Ion Ratio Lower Upper  
92 100  
91 177.4 143.8 215.6

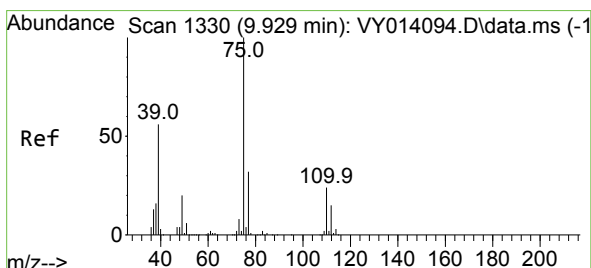
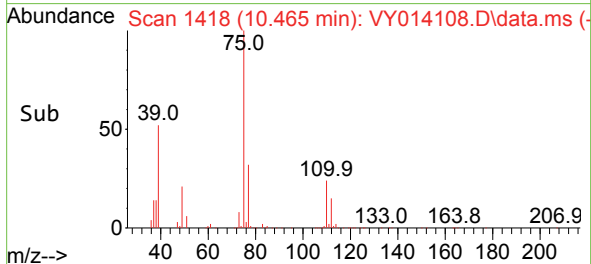
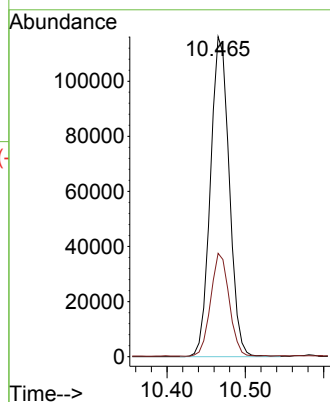
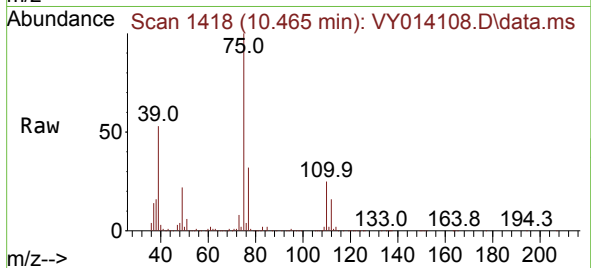




#53  
t-1,3-Dichloropropene  
Concen: 49.559 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

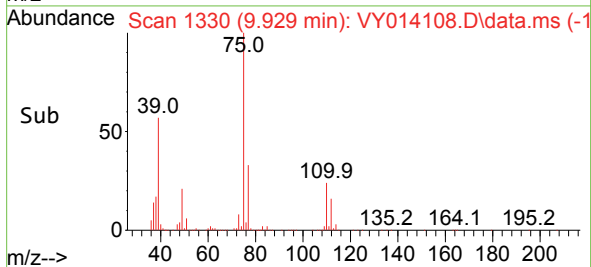
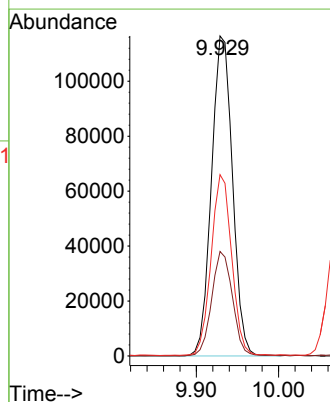
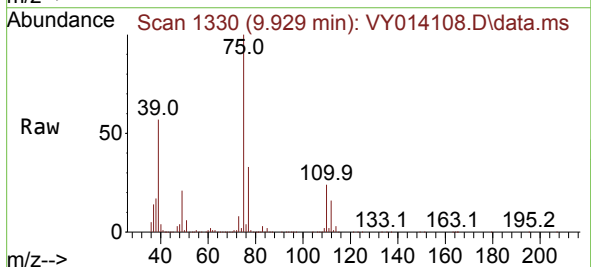
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

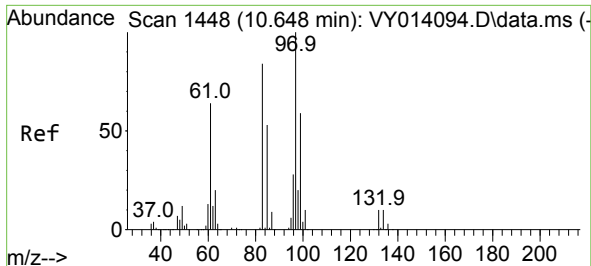
Tgt Ion: 75 Resp: 193623  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 48.533 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 75 Resp: 206881  
Ion Ratio Lower Upper  
75 100  
77 32.6 24.2 36.4  
39 56.5 42.2 63.4

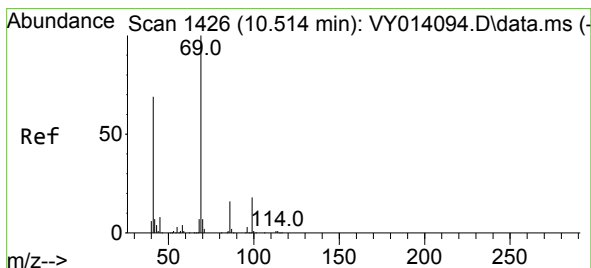
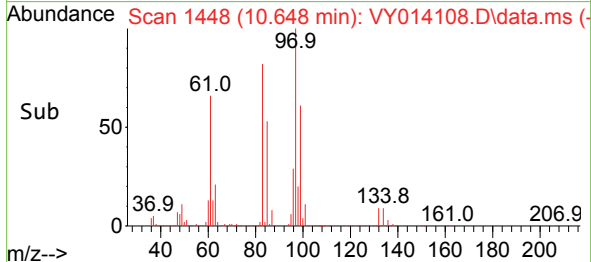
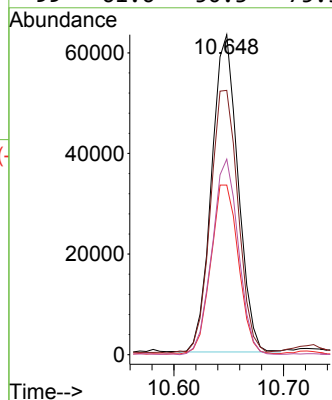
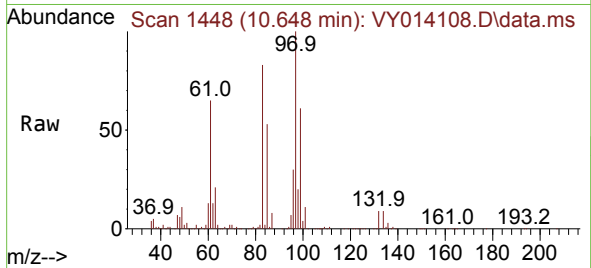




#55  
1,1,2-Trichloroethane  
Concen: 50.185 ug/l  
RT: 10.648 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

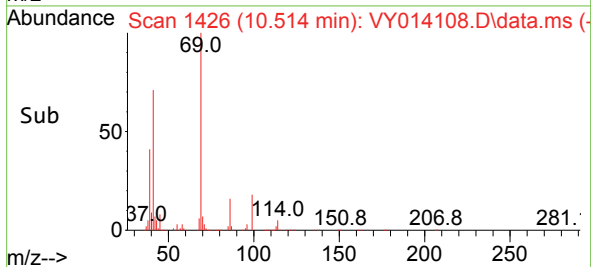
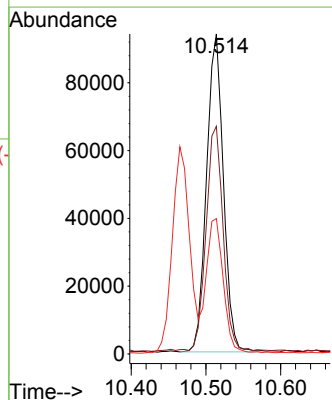
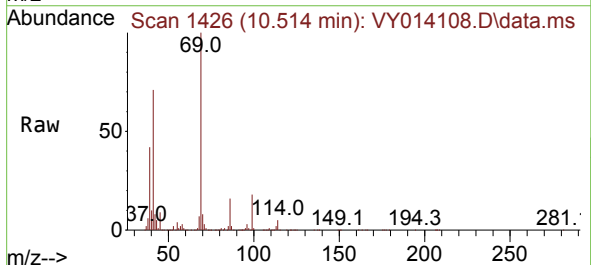
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

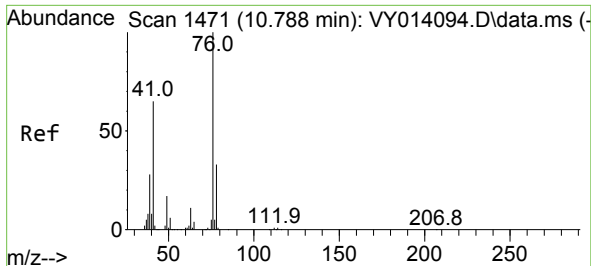
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 105507 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.1  | 72.0  | 108.0  |
| 85       | 53.2  | 45.4  | 68.0   |
| 99       | 61.6  | 50.3  | 75.5   |



#56  
Ethyl methacrylate  
Concen: 50.753 ug/l  
RT: 10.514 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 147172 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.2  | 57.6  | 86.4   |
| 39       | 42.6  | 34.1  | 51.1   |





#57

1,3-Dichloropropane

Concen: 49.841 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

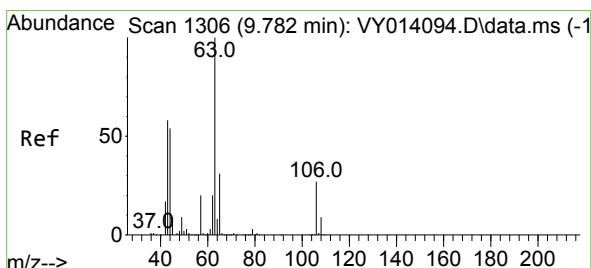
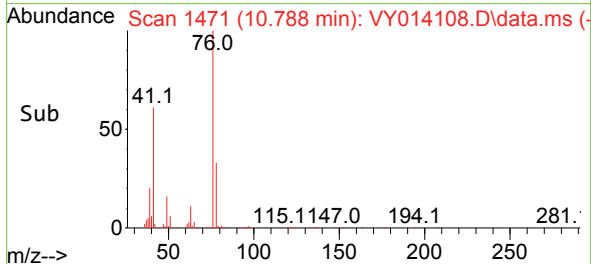
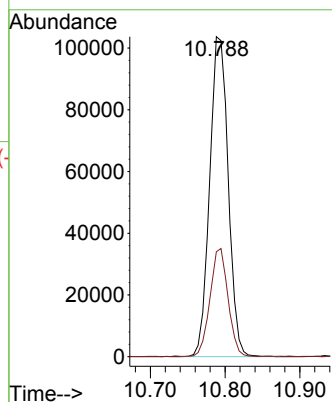
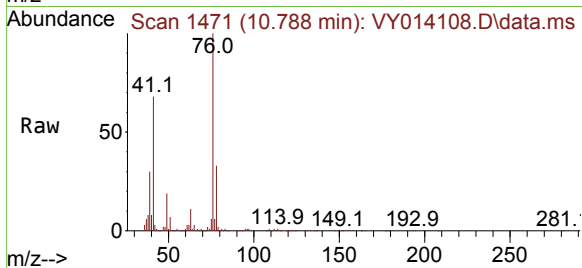
VSTDCCC050EC

Tgt Ion: 76 Resp: 179211

Ion Ratio Lower Upper

76 100

78 32.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 249.473 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY014108.D

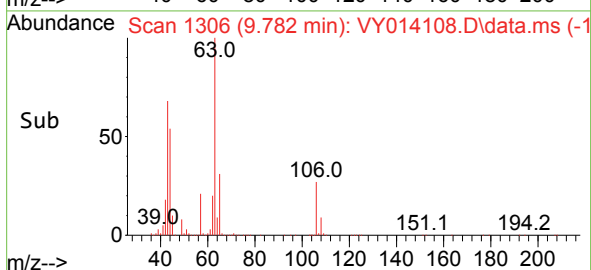
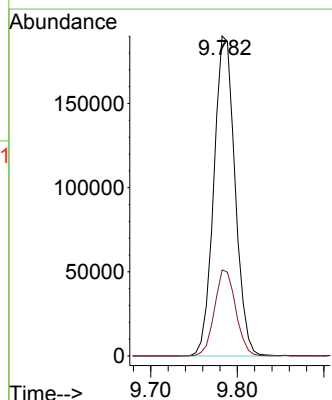
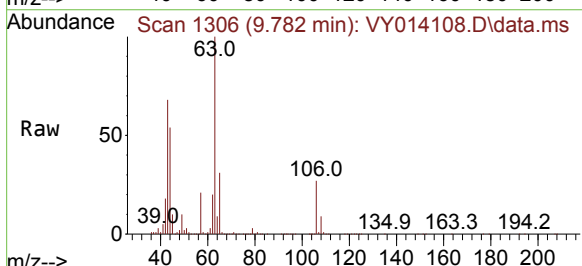
Acq: 09 Jun 2023 20:31

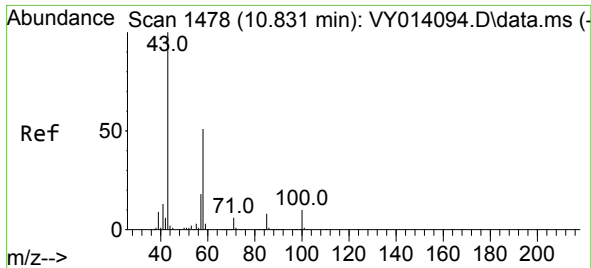
Tgt Ion: 63 Resp: 323168

Ion Ratio Lower Upper

63 100

106 26.9 21.2 31.8

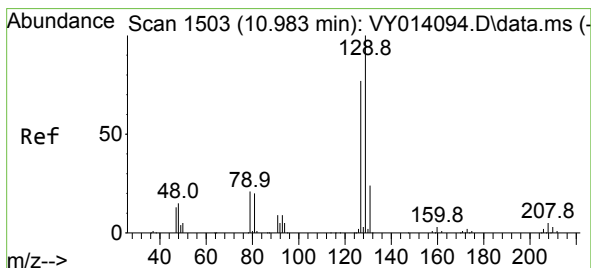
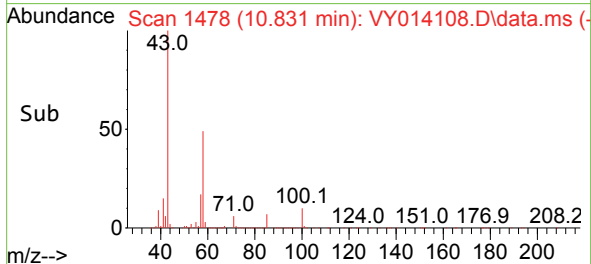
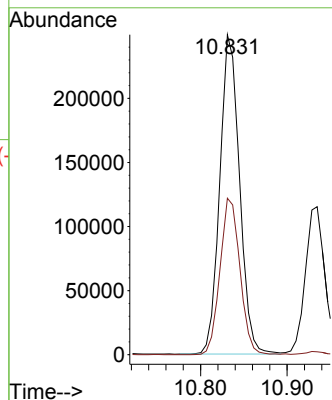
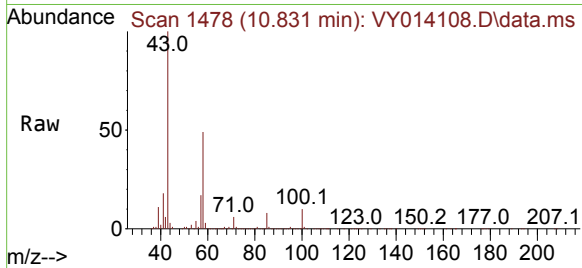




#59  
2-Hexanone  
Concen: 244.082 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

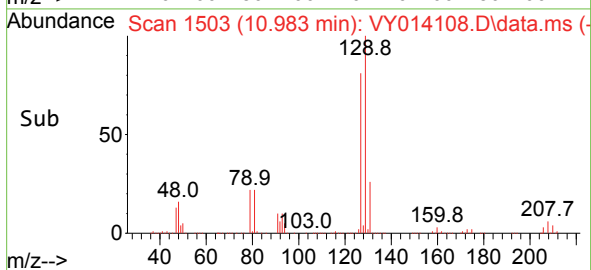
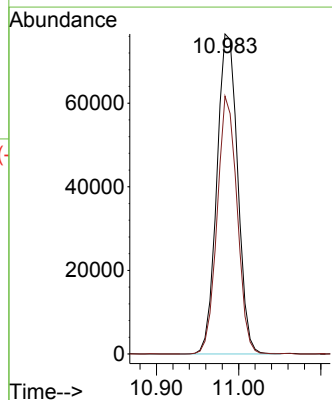
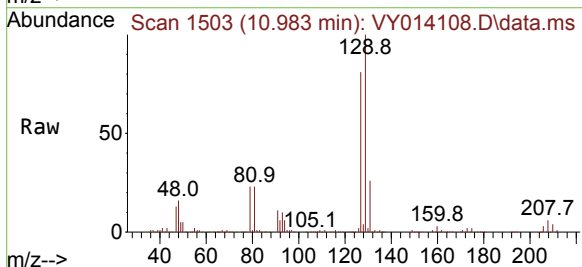
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

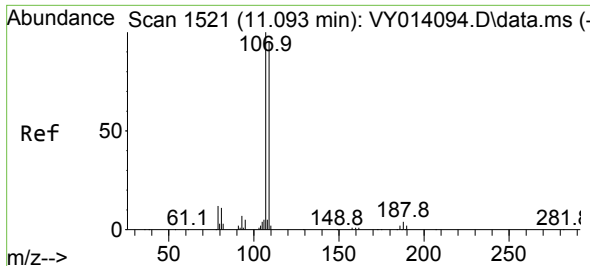
Tgt Ion: 43 Resp: 394872  
Ion Ratio Lower Upper  
43 100  
58 49.6 25.1 75.3



#60  
Dibromochloromethane  
Concen: 49.977 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:129 Resp: 134477  
Ion Ratio Lower Upper  
129 100  
127 77.3 38.5 115.5

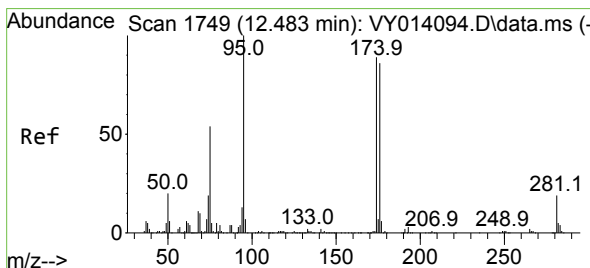
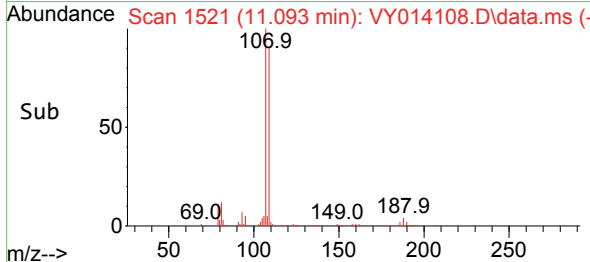
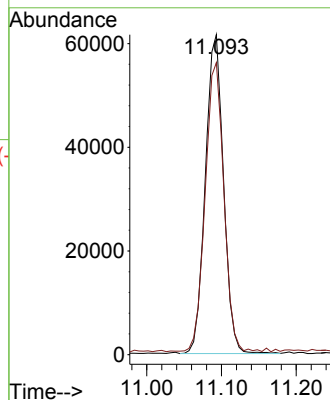
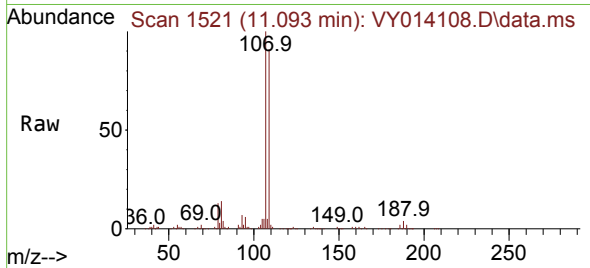




#61  
1,2-Dibromoethane  
Concen: 49.941 ug/l  
RT: 11.093 min Scan# 1521  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

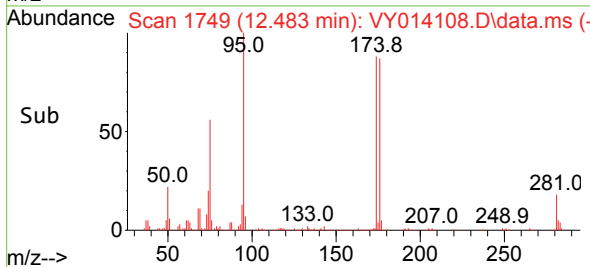
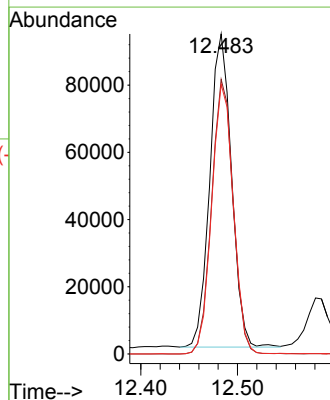
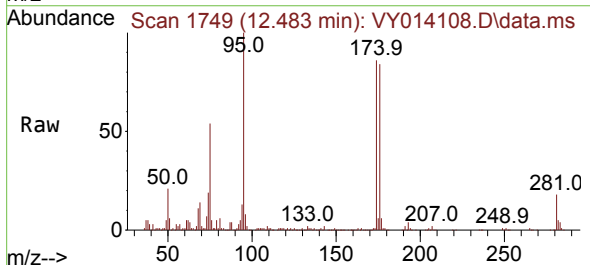
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

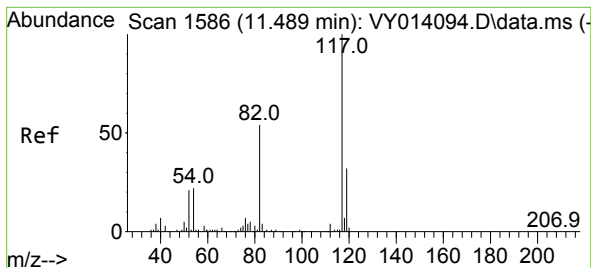
Tgt Ion:107 Resp: 103621  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 50.031 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 95 Resp: 145300  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 178.2  
176 85.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

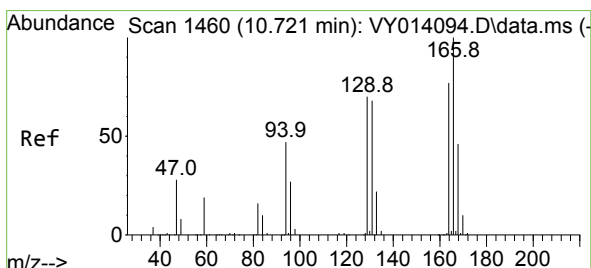
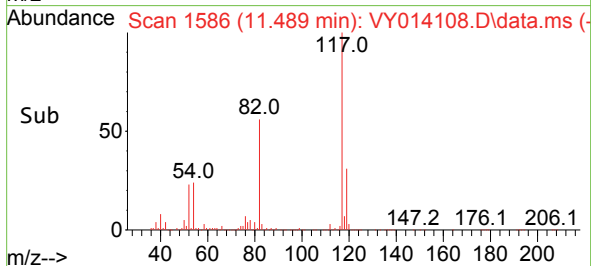
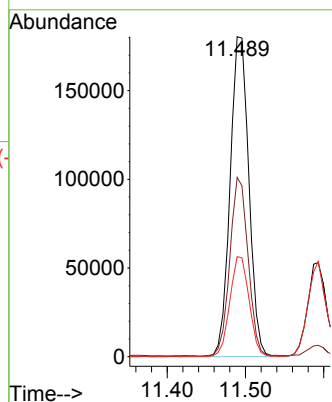
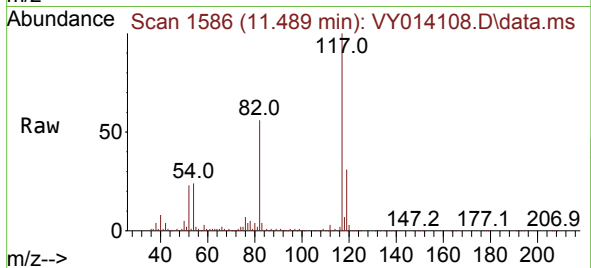
Tgt Ion:117 Resp: 299535

Ion Ratio Lower Upper

117 100

82 55.7 43.4 65.0

119 31.2 26.3 39.5



#64

Tetrachloroethene

Concen: 44.654 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Tgt Ion:164 Resp: 114008

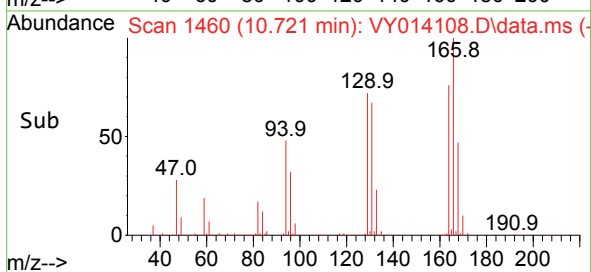
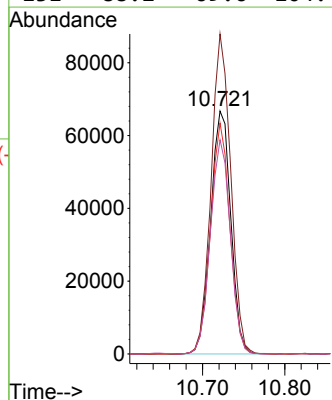
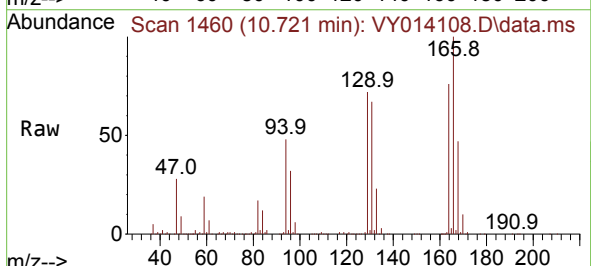
Ion Ratio Lower Upper

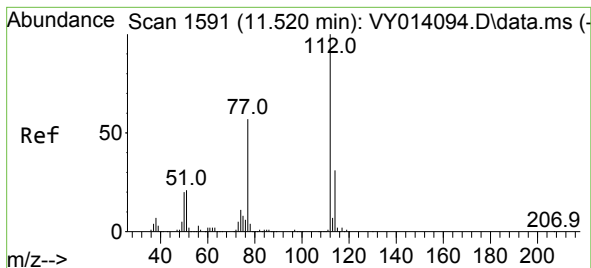
164 100

166 131.8 103.0 154.6

129 95.1 77.2 115.8

131 88.2 69.6 104.4

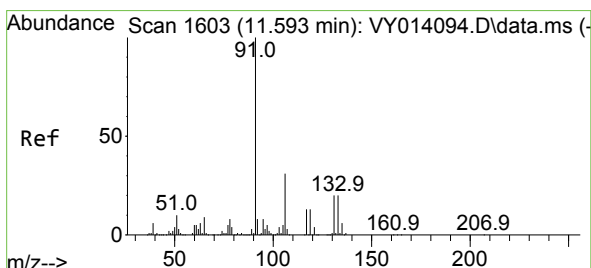
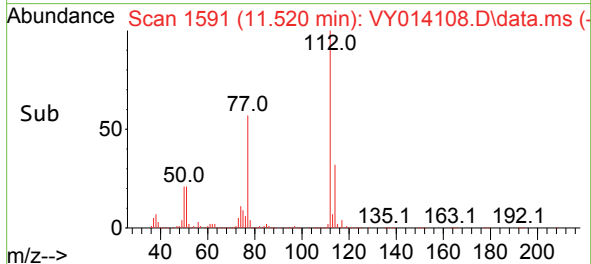
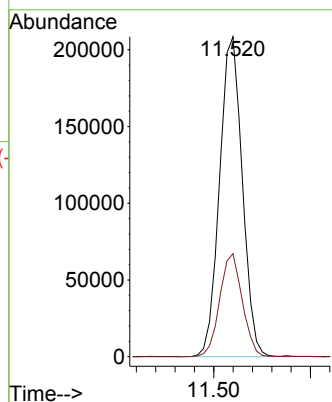
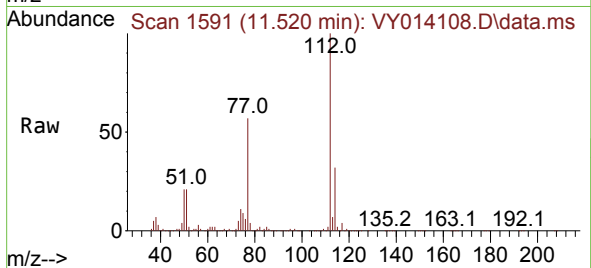




#65  
Chlorobenzene  
Concen: 47.191 ug/l  
RT: 11.520 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

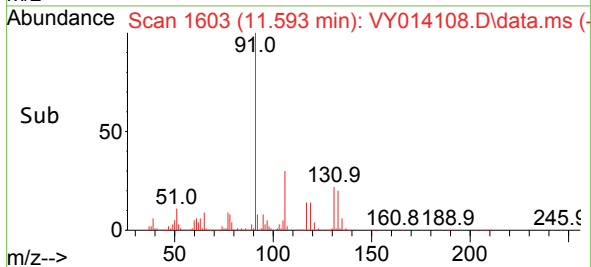
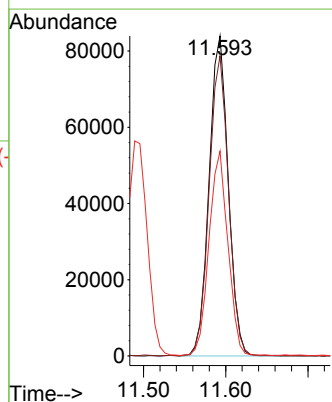
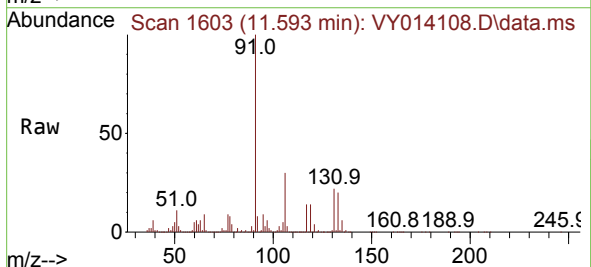
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

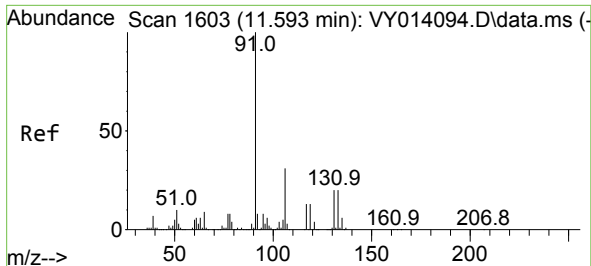
Tgt Ion:112 Resp: 339653  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.910 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:131 Resp: 135627  
Ion Ratio Lower Upper  
131 100  
133 94.9 47.5 142.6  
119 63.1 31.6 94.7





#67

Ethyl Benzene

Concen: 47.974 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

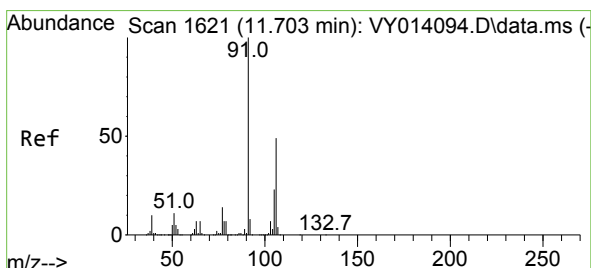
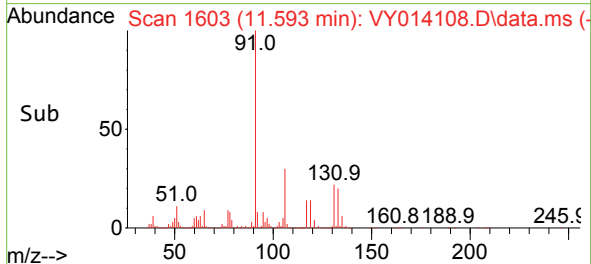
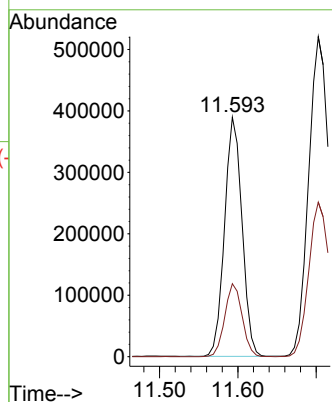
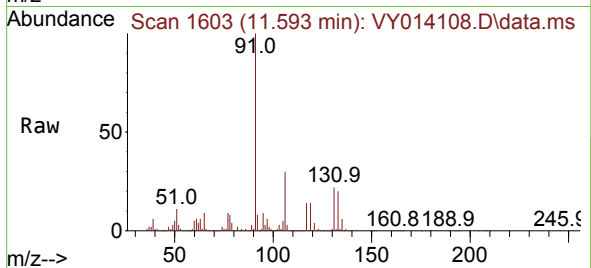
VSTDCCC050EC

Tgt Ion: 91 Resp: 604384

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 94.233 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY014108.D

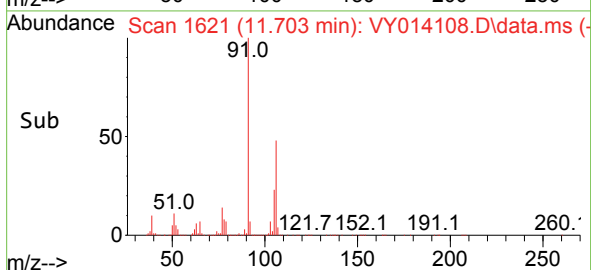
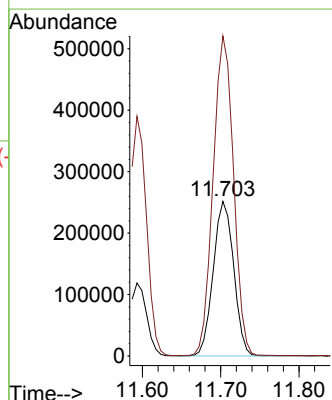
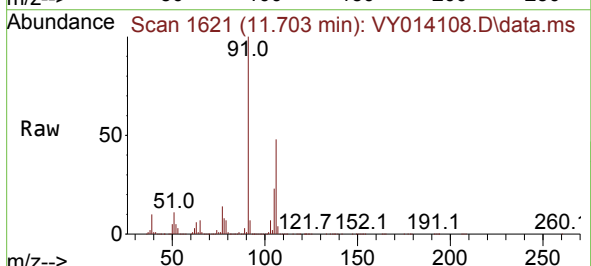
Acq: 09 Jun 2023 20:31

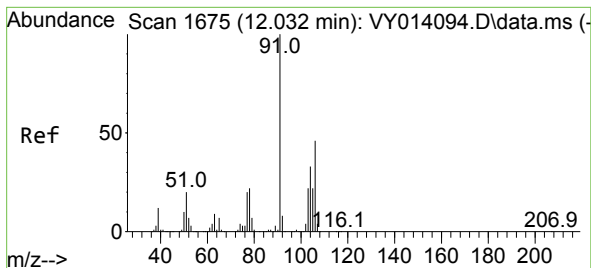
Tgt Ion: 106 Resp: 456631

Ion Ratio Lower Upper

106 100

91 206.5 166.1 249.1

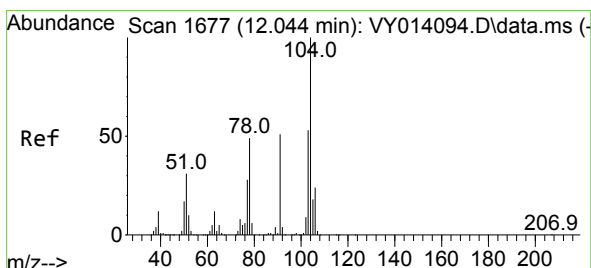
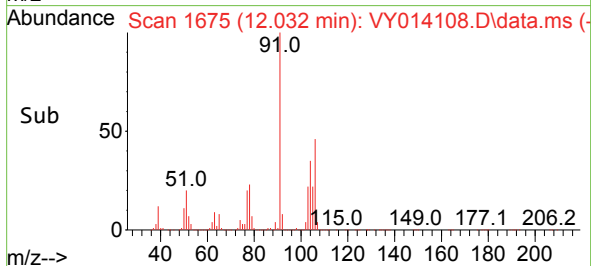
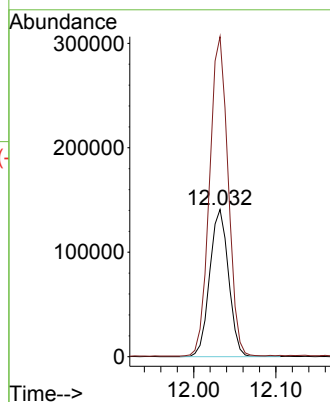
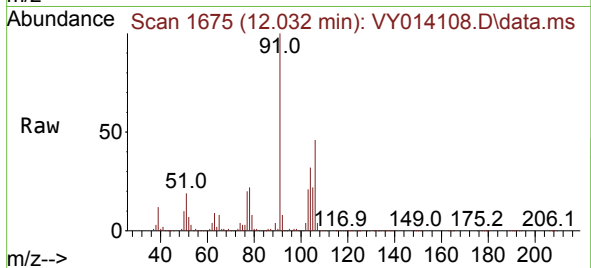




#69  
o-Xylene  
Concen: 48.898 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

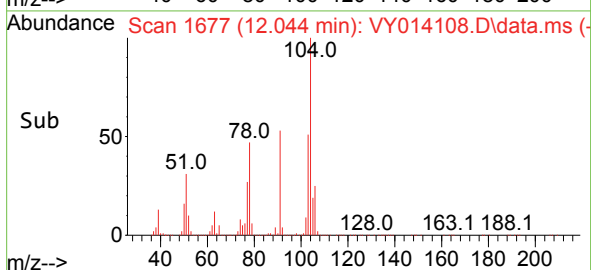
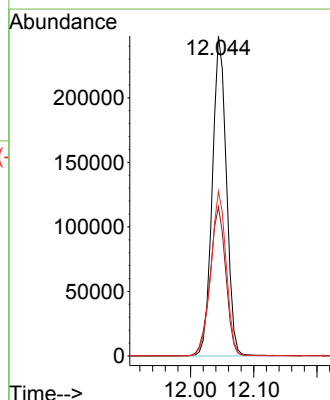
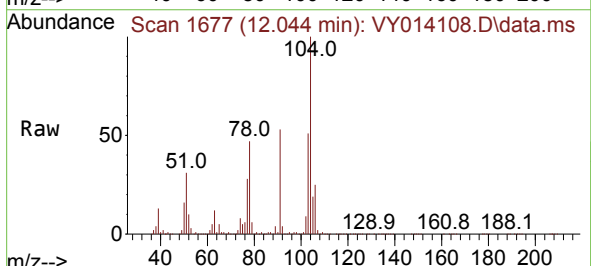
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

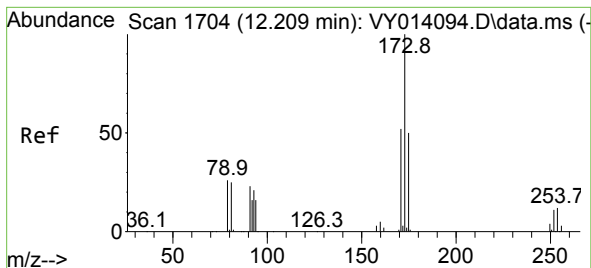
Tgt Ion:106 Resp: 224020  
Ion Ratio Lower Upper  
106 100  
91 213.9 108.1 324.3



#70  
Styrene  
Concen: 49.121 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:104 Resp: 384085  
Ion Ratio Lower Upper  
104 100  
78 51.8 41.5 62.3  
103 56.0 44.6 67.0





#71

Bromoform

Concen: 47.990 ug/l

RT: 12.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

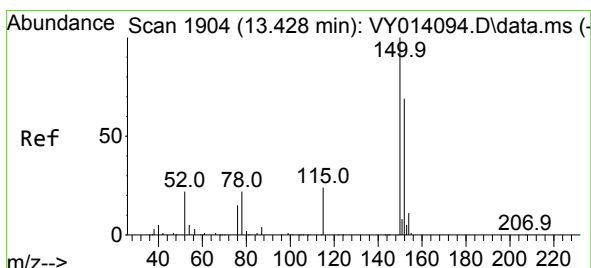
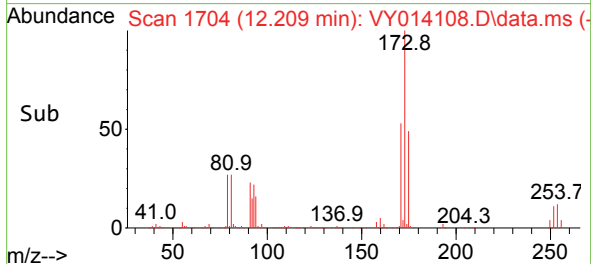
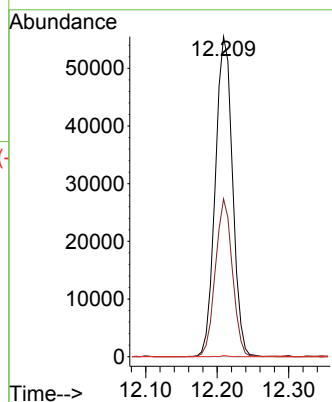
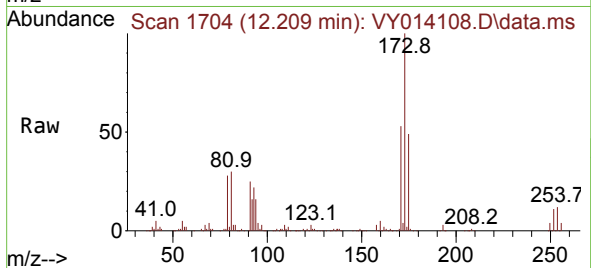
Tgt Ion:173 Resp: 93040

Ion Ratio Lower Upper

173 100

175 48.4 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

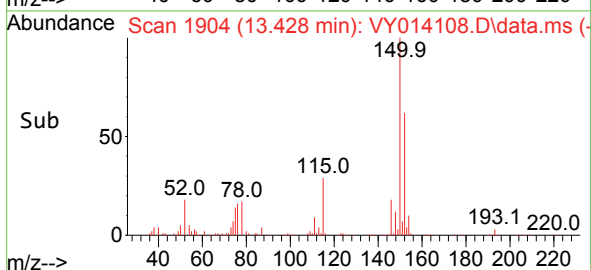
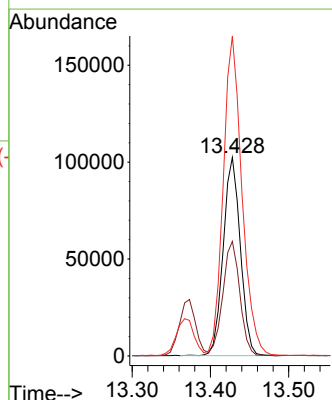
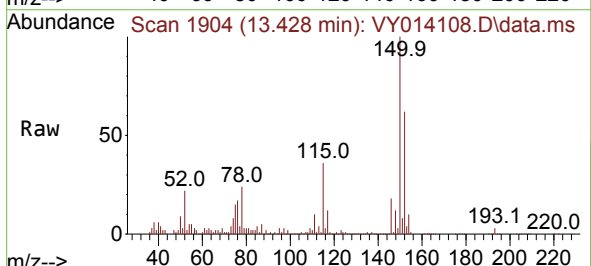
Tgt Ion:152 Resp: 155548

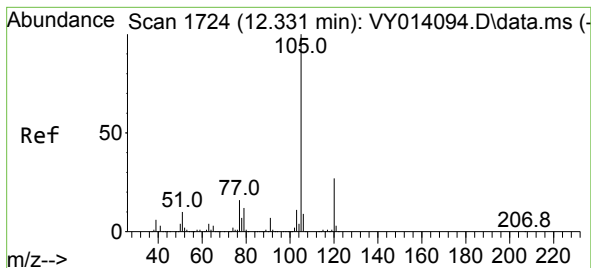
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 176.4 0.0 348.8





#73

Isopropylbenzene

Concen: 47.908 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

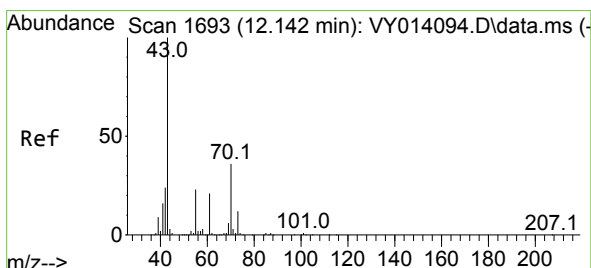
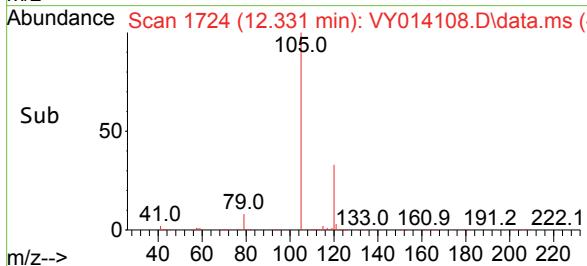
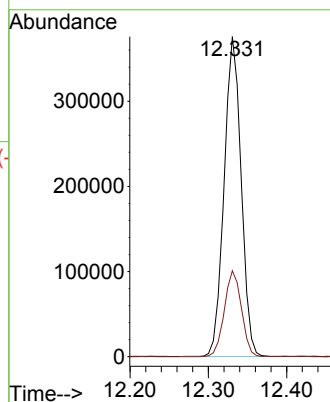
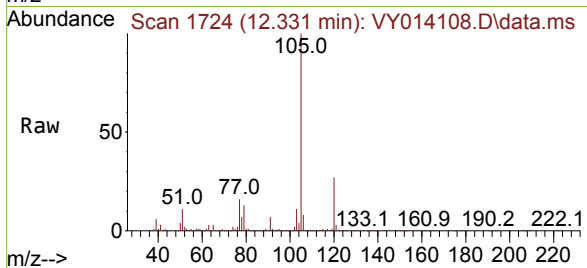
VSTDCCC050EC

Tgt Ion:105 Resp: 568484

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



#74

N-ethyl acetate

Concen: 50.699 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Tgt Ion: 43 Resp: 190646

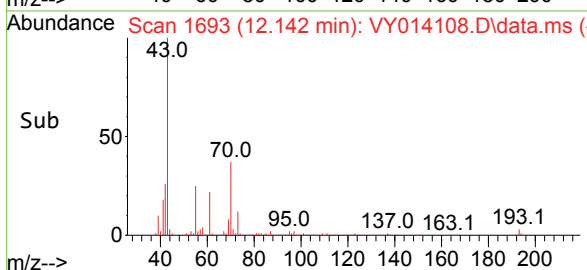
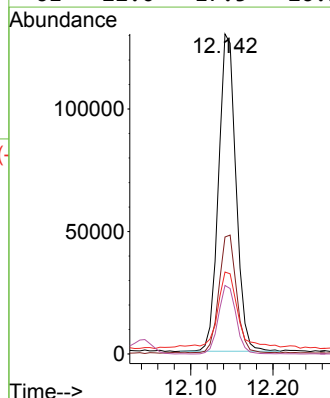
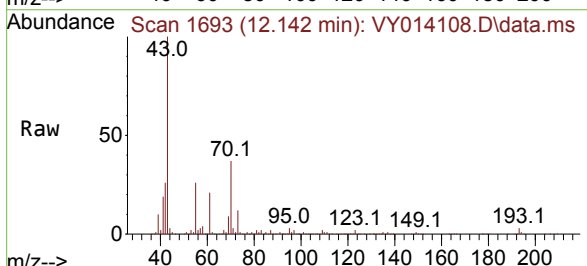
Ion Ratio Lower Upper

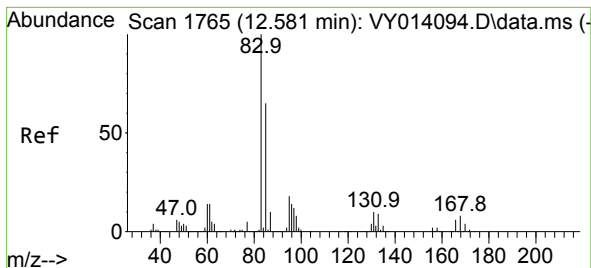
43 100

70 37.2 29.7 44.5

55 29.3 18.3 27.5#

61 22.0 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 48.370 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

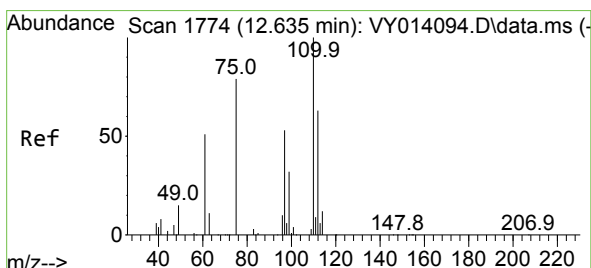
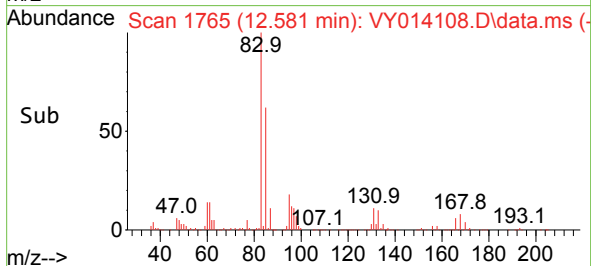
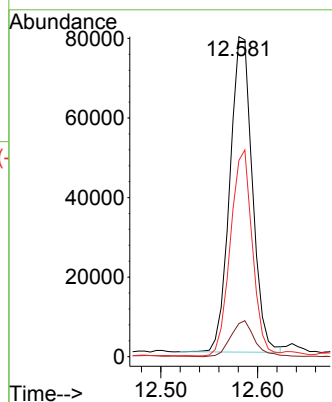
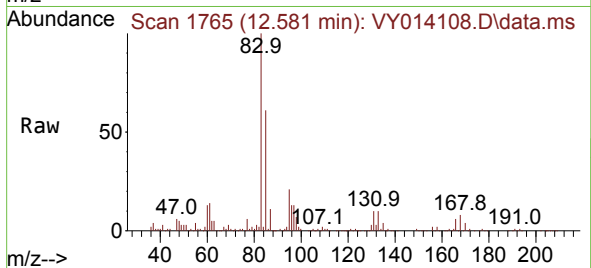
Tgt Ion: 83 Resp: 128253

Ion Ratio Lower Upper

83 100

131 12.2 5.4 16.2

85 63.9 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 84.353 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. 0.001 min

Lab File: VY014108.D

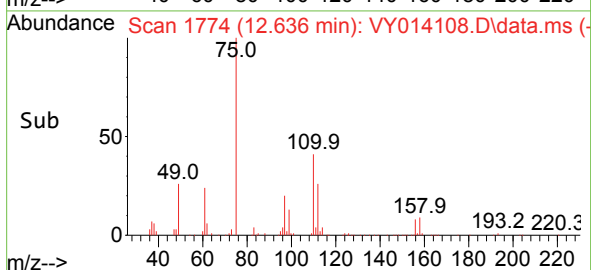
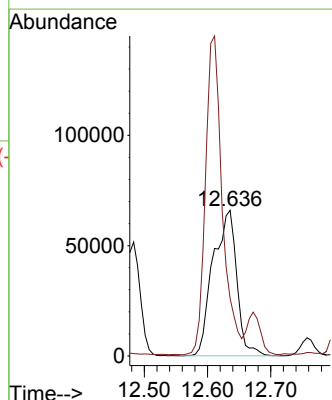
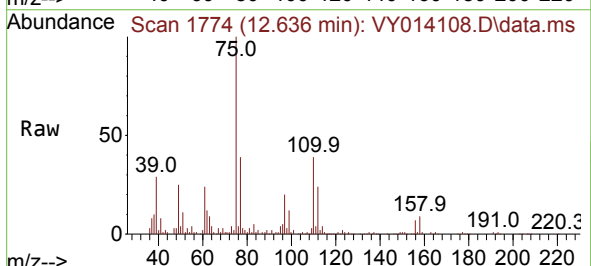
Acq: 09 Jun 2023 20:31

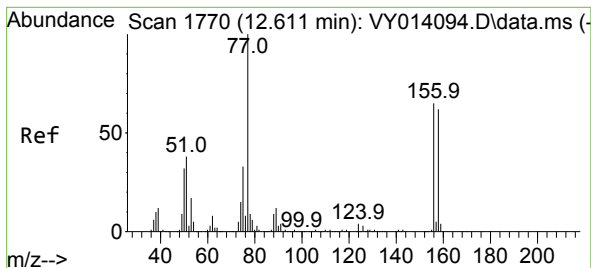
Tgt Ion: 75 Resp: 172143

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.084 ug/l

RT: 12.611 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

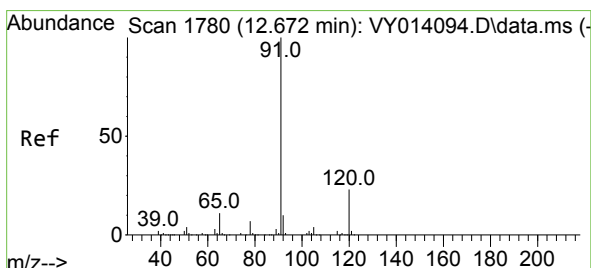
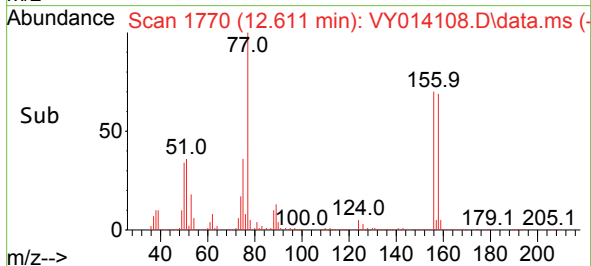
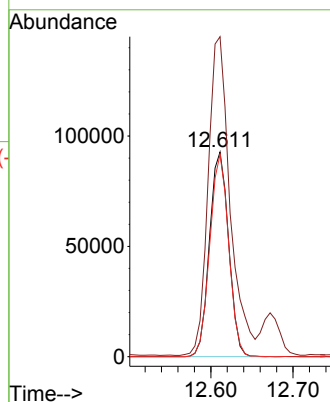
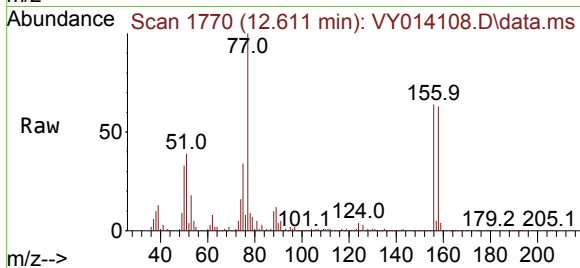
Tgt Ion:156 Resp: 149964

Ion Ratio Lower Upper

156 100

77 178.5 92.8 278.6

158 97.2 48.4 145.3



#78

n-propylbenzene

Concen: 47.584 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY014108.D

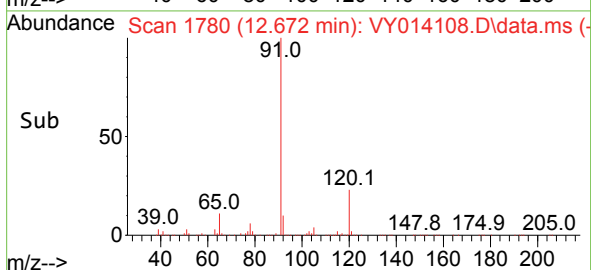
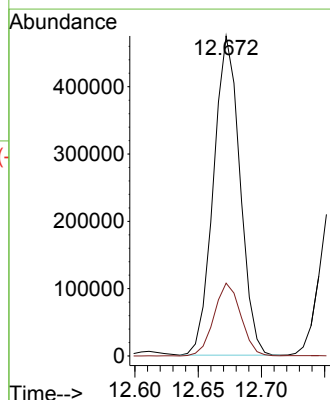
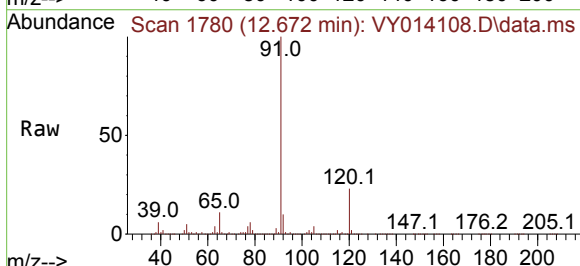
Acq: 09 Jun 2023 20:31

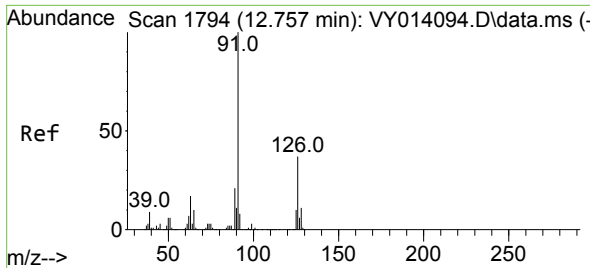
Tgt Ion: 91 Resp: 689662

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

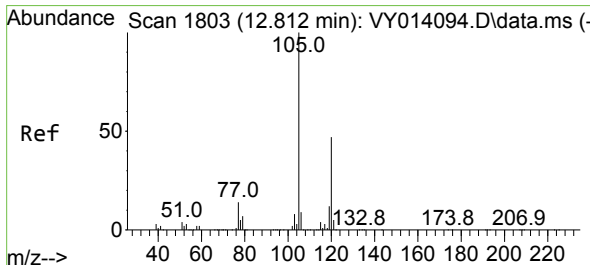
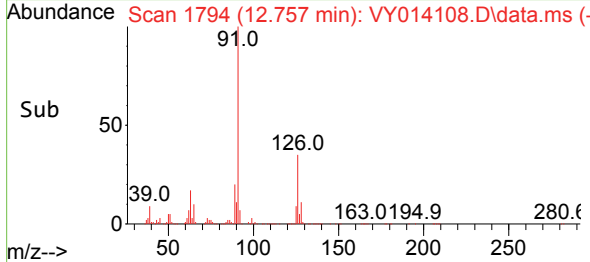
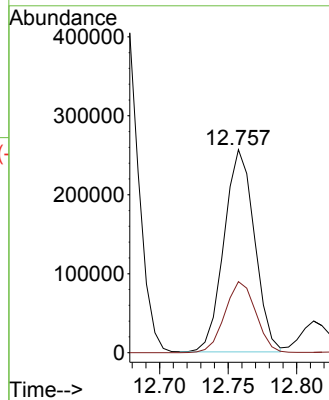
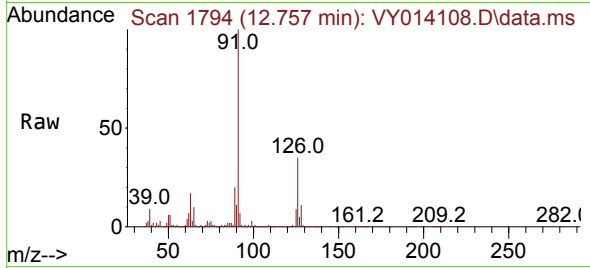




#79  
2-Chlorotoluene  
Concen: 47.727 ug/l  
RT: 12.757 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

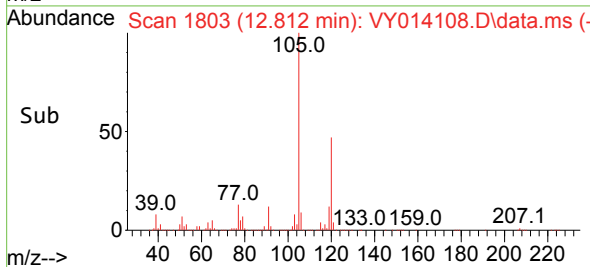
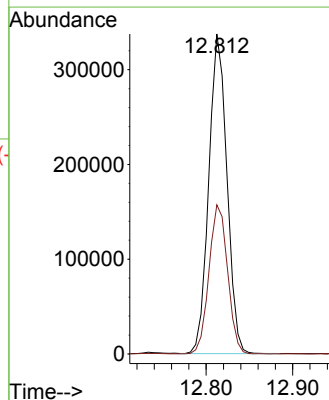
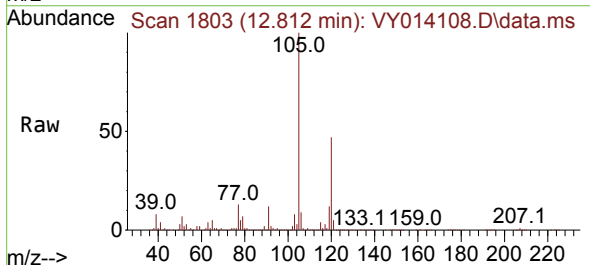
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

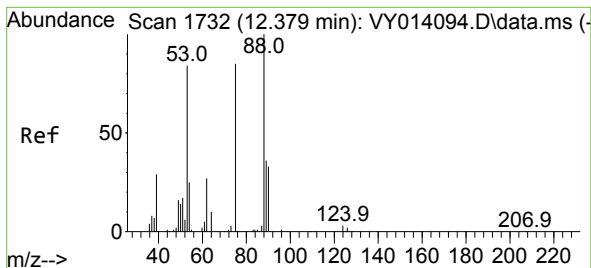
Tgt Ion: 91 Resp: 398018  
Ion Ratio Lower Upper  
91 100  
126 35.6 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 48.306 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 105 Resp: 490810  
Ion Ratio Lower Upper  
105 100  
120 47.8 23.9 71.7

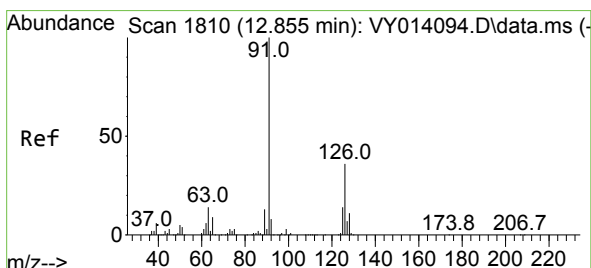
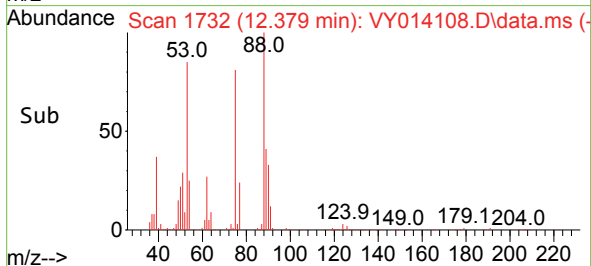
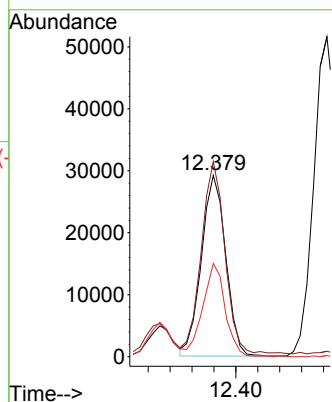
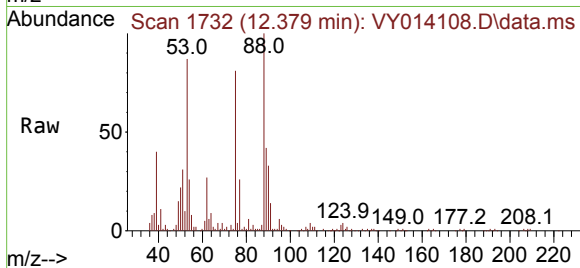




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.432 ug/l  
RT: 12.379 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

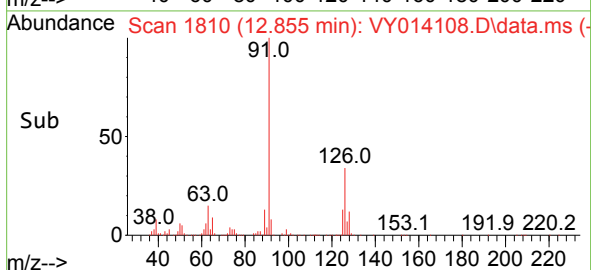
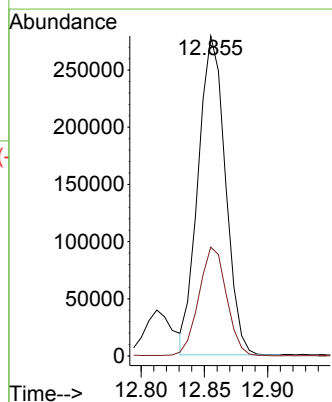
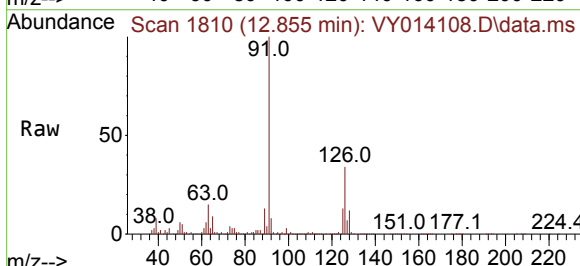
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

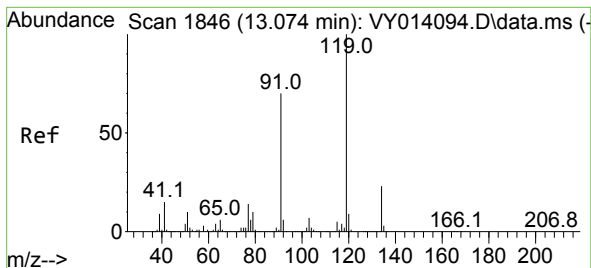
Tgt Ion: 75 Resp: 44780  
Ion Ratio Lower Upper  
75 100  
53 103.6 77.8 116.8  
89 47.3 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 47.331 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion: 91 Resp: 418283  
Ion Ratio Lower Upper  
91 100  
126 34.6 17.2 51.6

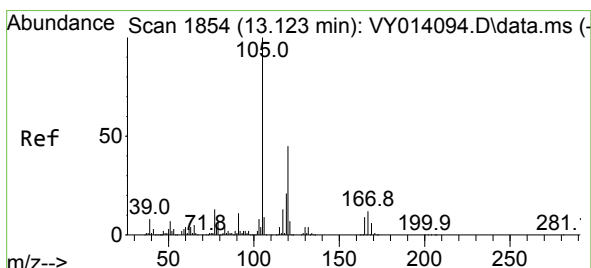
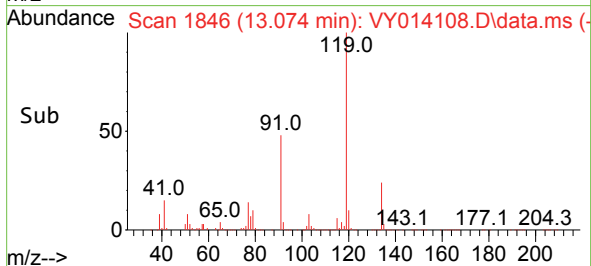
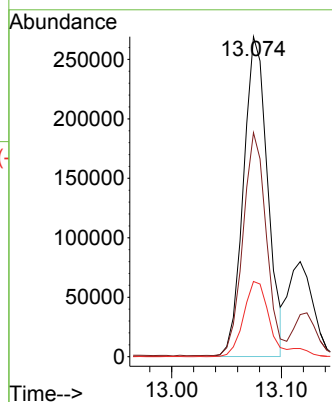
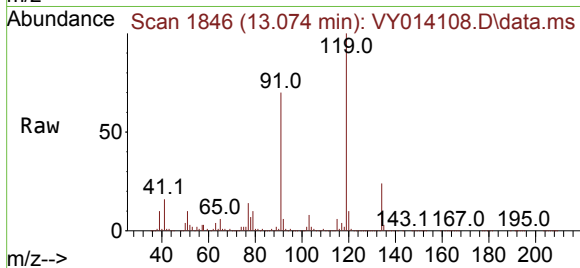




#83  
tert-Butylbenzene  
Concen: 47.683 ug/l  
RT: 13.074 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

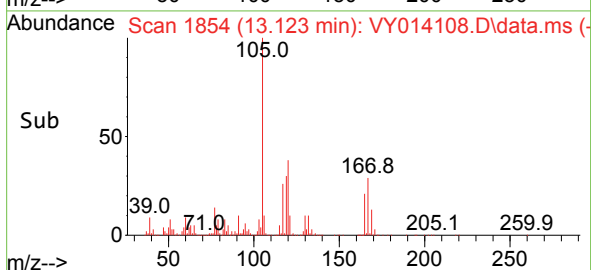
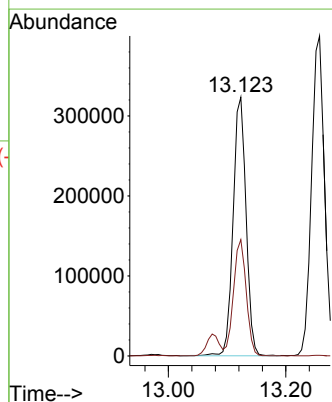
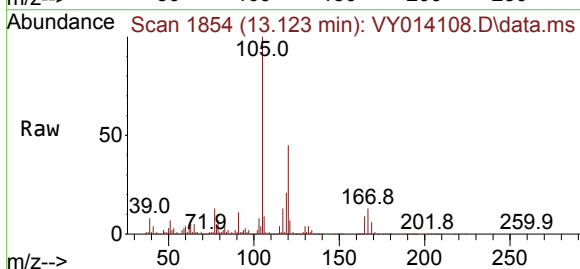
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

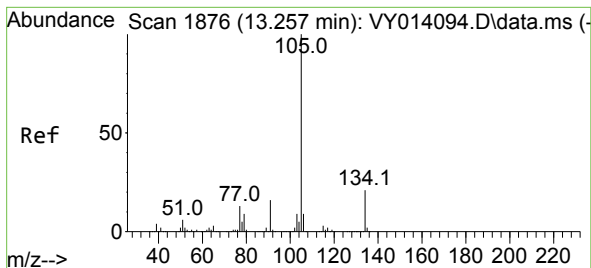
Tgt Ion:119 Resp: 411706  
Ion Ratio Lower Upper  
119 100  
91 67.7 32.9 98.6  
134 26.5 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 49.189 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. 0.000 min  
Lab File: VY014108.D  
Acq: 09 Jun 2023 20:31

Tgt Ion:105 Resp: 494719  
Ion Ratio Lower Upper  
105 100  
120 44.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 48.372 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

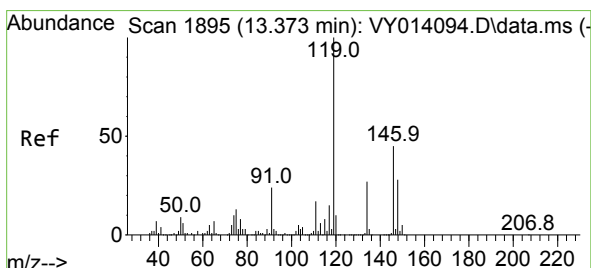
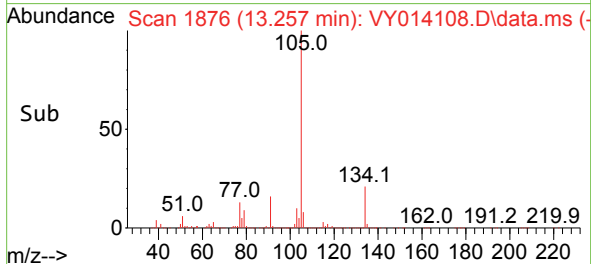
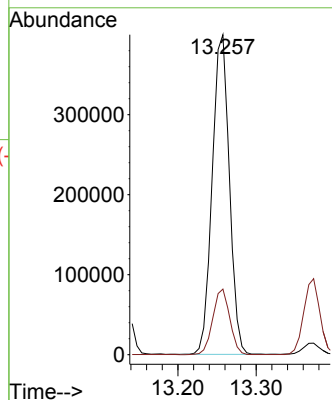
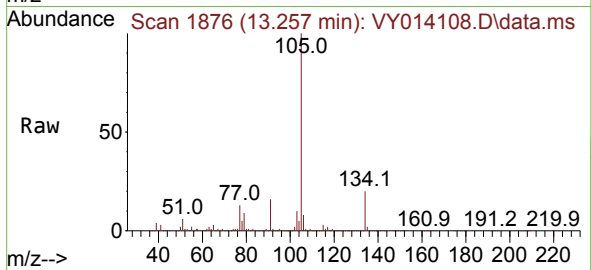
VSTDCCC050EC

Tgt Ion:105 Resp: 607217

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 47.805 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

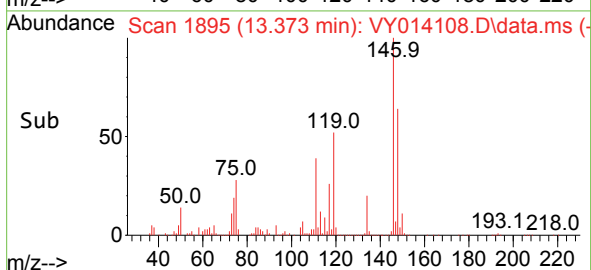
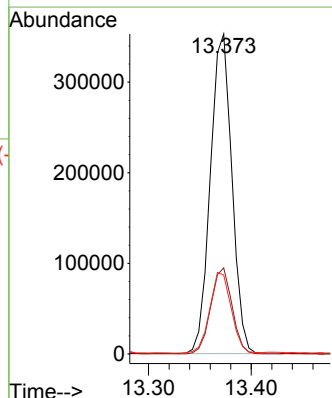
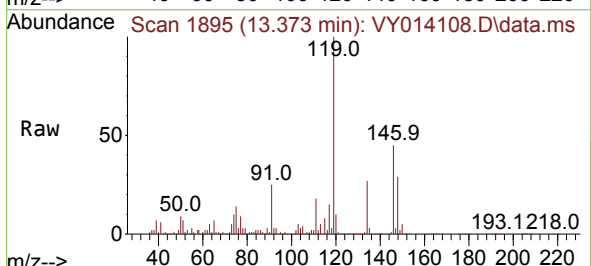
Tgt Ion:119 Resp: 513582

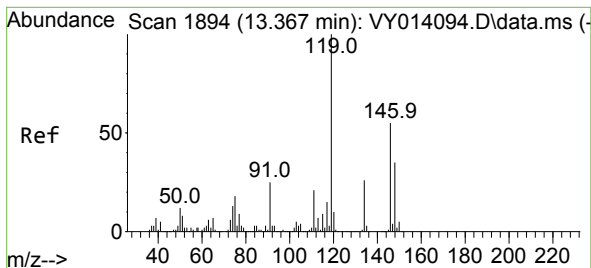
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 25.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 47.858 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

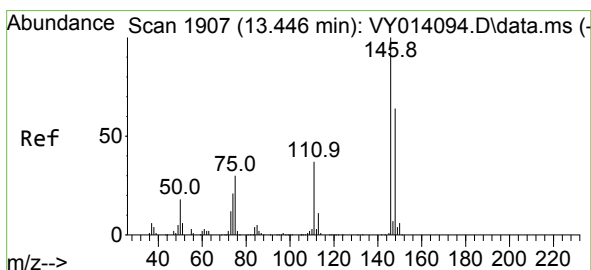
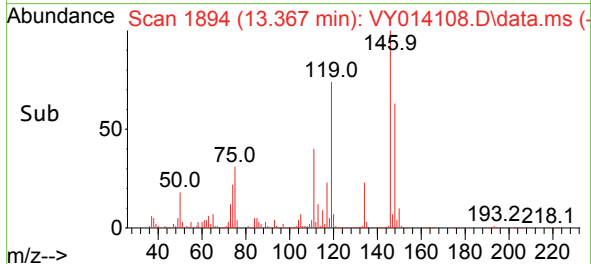
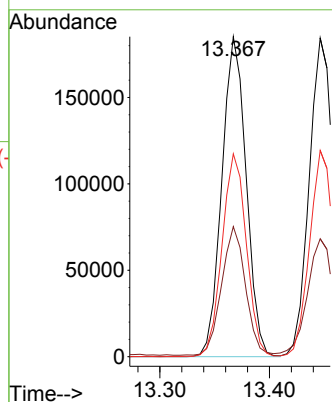
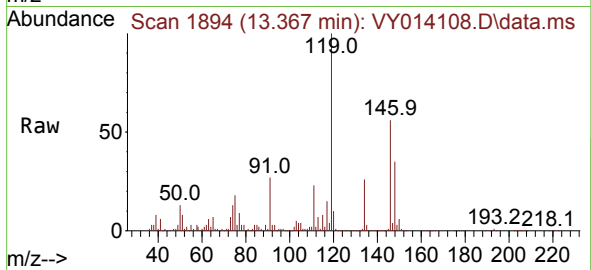
Tgt Ion:146 Resp: 284977

Ion Ratio Lower Upper

146 100

111 39.4 19.4 58.2

148 63.5 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 47.433 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

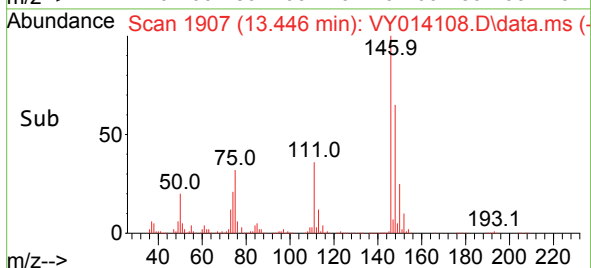
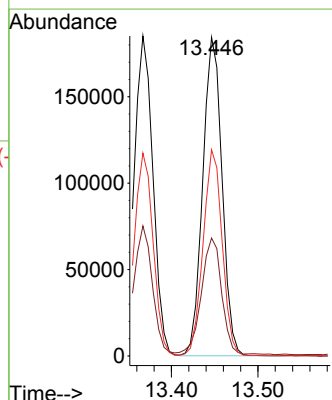
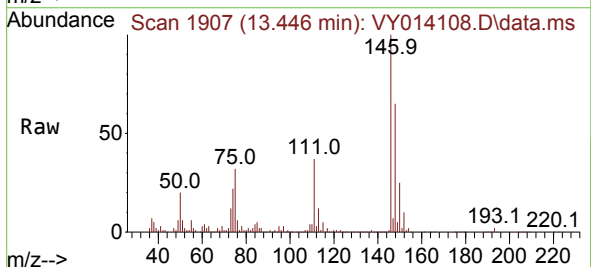
Tgt Ion:146 Resp: 284580

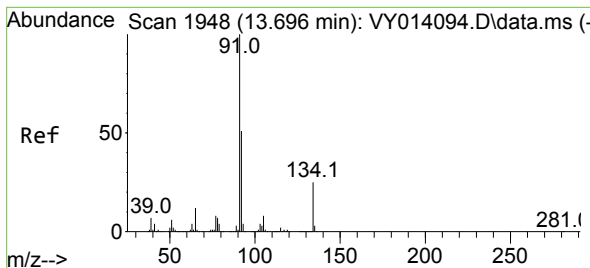
Ion Ratio Lower Upper

146 100

111 38.7 18.9 56.7

148 64.2 32.1 96.5





#89

n-Butylbenzene

Concen: 48.790 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

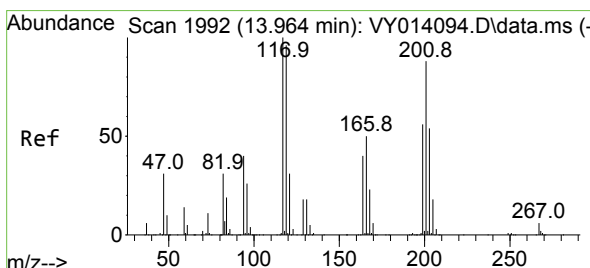
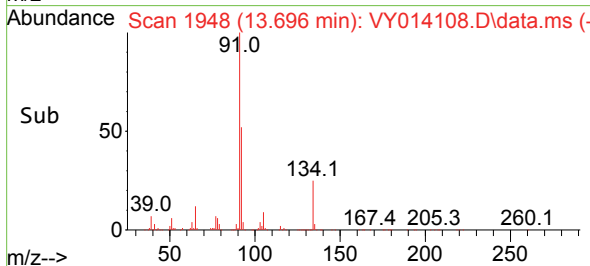
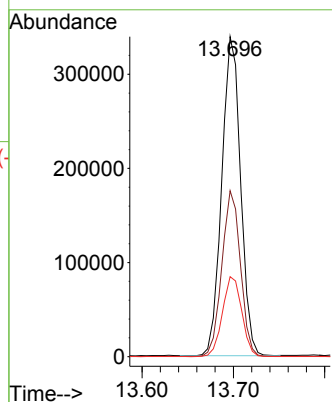
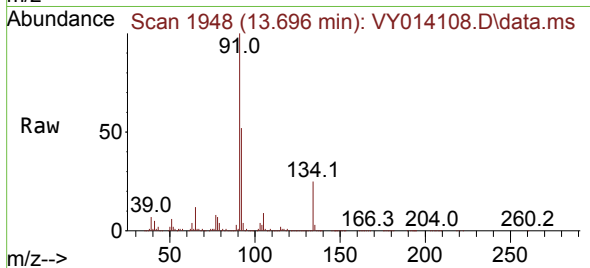
Tgt Ion: 91 Resp: 486166

Ion Ratio Lower Upper

91 100

92 51.2 25.4 76.0

134 25.9 12.6 37.6



#90

Hexachloroethane

Concen: 46.924 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.001 min

Lab File: VY014108.D

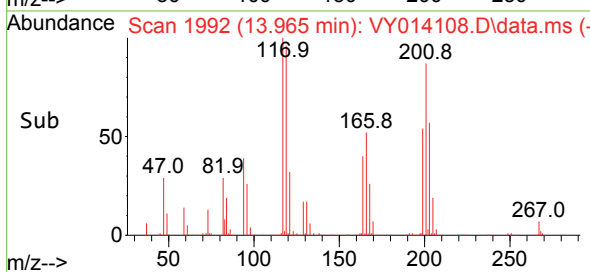
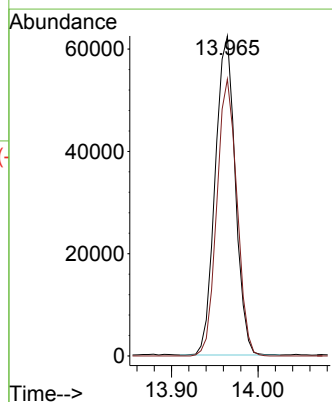
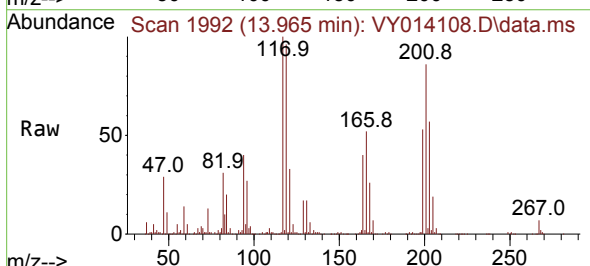
Acq: 09 Jun 2023 20:31

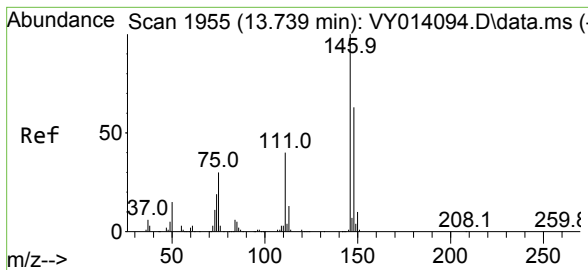
Tgt Ion: 117 Resp: 100454

Ion Ratio Lower Upper

117 100

201 86.9 41.6 124.8

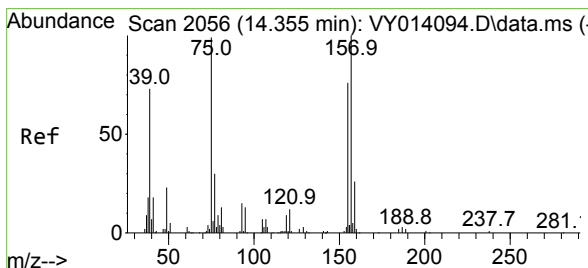
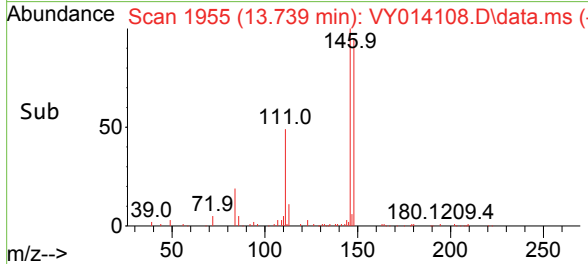
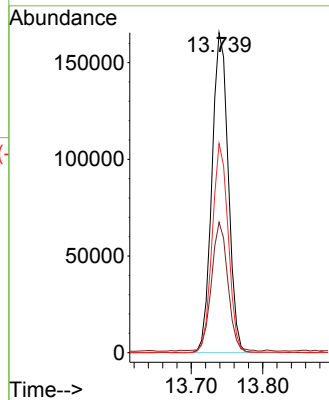
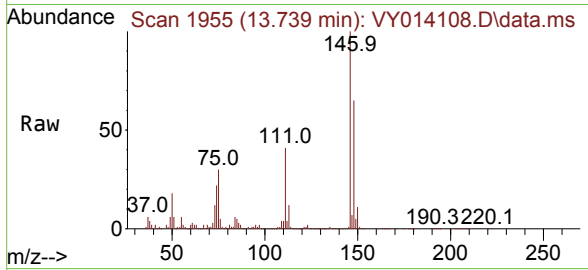




#91  
 1,2-Dichlorobenzene  
 Concen: 49.018 ug/l  
 RT: 13.739 min Scan# 1955  
 Delta R.T. -0.000 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

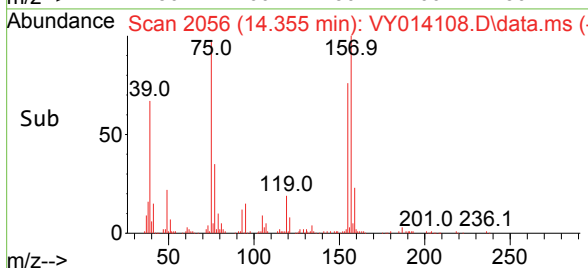
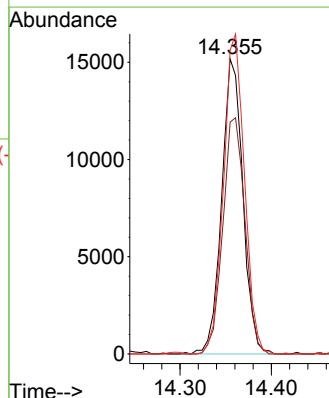
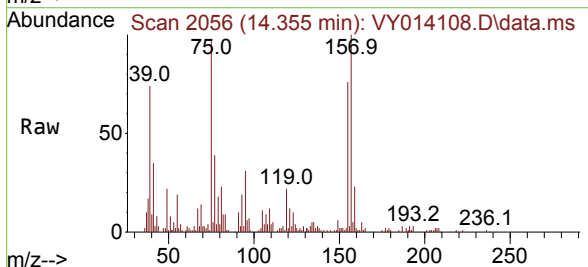
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

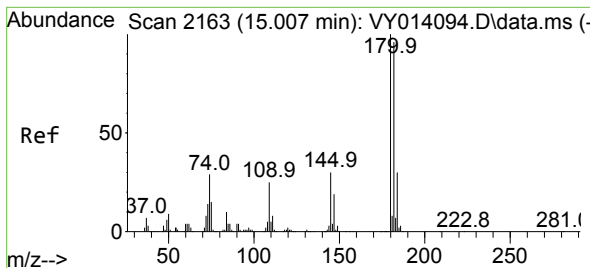
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 262157 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 40.4  | 19.7  | 59.0   |
| 148      | 63.9  | 32.0  | 96.2   |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 48.404 ug/l  
 RT: 14.355 min Scan# 2056  
 Delta R.T. -0.000 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24440 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 83.3  | 41.5  | 124.6 |
| 157      | 107.4 | 51.8  | 155.5 |





#93

1,2,4-Trichlorobenzene

Concen: 48.844 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

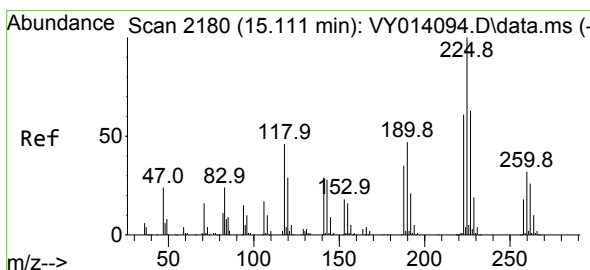
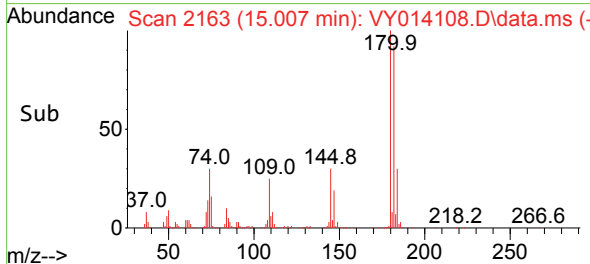
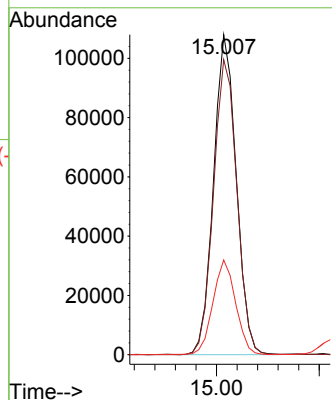
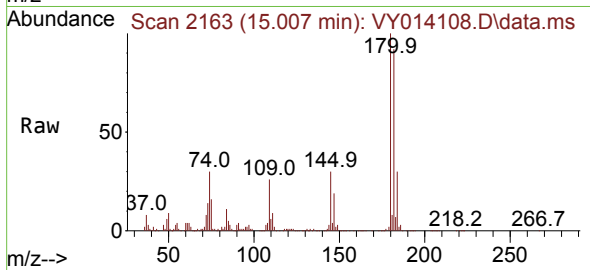
Tgt Ion:180 Resp: 165482

Ion Ratio Lower Upper

180 100

182 94.9 47.0 141.2

145 29.4 14.5 43.5



#94

Hexachlorobutadiene

Concen: 46.052 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014108.D

Acq: 09 Jun 2023 20:31

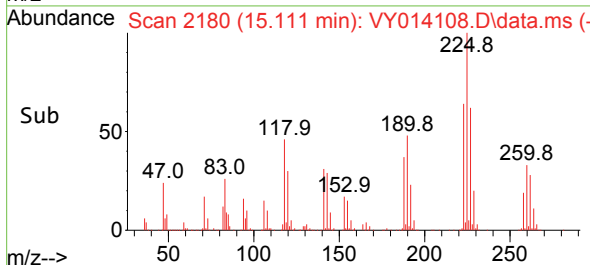
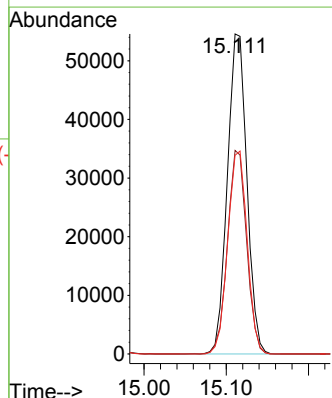
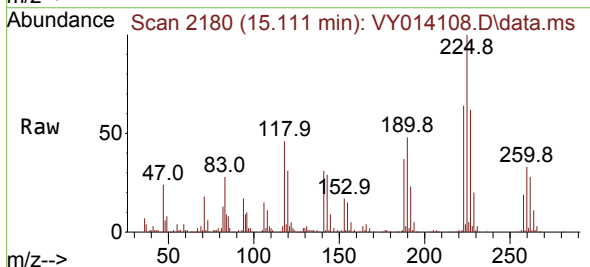
Tgt Ion:225 Resp: 90076

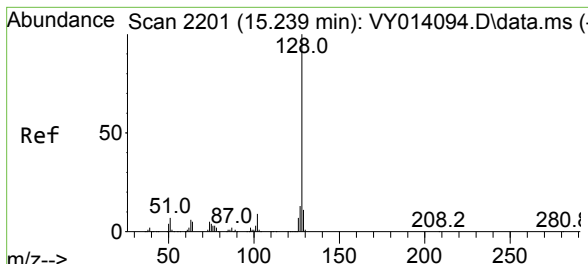
Ion Ratio Lower Upper

225 100

223 62.4 31.9 95.9

227 63.1 33.0 98.9

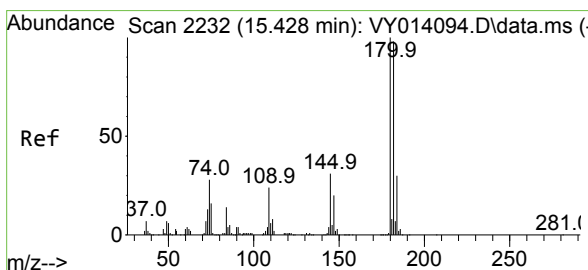
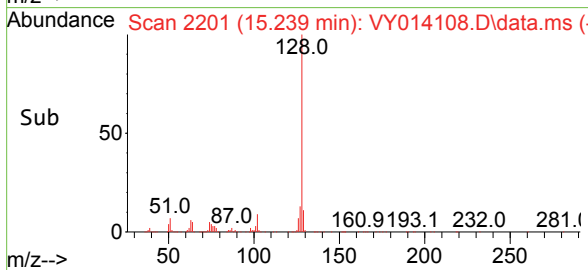
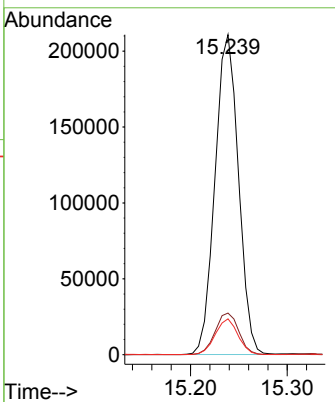
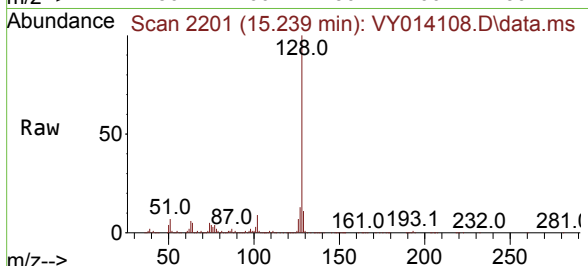




#95  
 Naphthalene  
 Concen: 51.484 ug/l  
 RT: 15.239 min Scan# 2201  
 Delta R.T. -0.000 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 354042 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 13.2  | 10.8  | 16.2   |
| 129      | 11.0  | 8.6   | 13.0   |



#96  
 1,2,3-Trichlorobenzene  
 Concen: 48.771 ug/l  
 RT: 15.428 min Scan# 2232  
 Delta R.T. -0.000 min  
 Lab File: VY014108.D  
 Acq: 09 Jun 2023 20:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 149309 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.2  | 47.3  | 141.8  |
| 145      | 31.2  | 15.4  | 46.2   |

