

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040524\  
 Data File : VY017860.D  
 Acq On : 05 Apr 2024 10:20  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050

Quant Time: Apr 06 04:44:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 05:58:13 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.801  | 168   | 160045   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.703  | 114   | 248175   | 50.000   | ug/l       | 0.01     |
| 63) Chlorobenzene-d5         | 11.502 | 117   | 217588   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.440 | 152   | 97765    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.155  | 65    | 69371    | 50.090   | ug/l       | 0.01     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 100.180% |          |
| 35) Dibromofluoromethane     | 7.734  | 113   | 73946    | 51.564   | ug/l       | 0.02     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 103.120% |          |
| 50) Toluene-d8               | 10.191 | 98    | 276532   | 51.622   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | = 103.240% |          |
| 62) 4-Bromofluorobenzene     | 12.489 | 95    | 80816    | 49.586   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | = 99.180%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.912  | 85    | 56325    | 52.624   | ug/l       | 98       |
| 3) Chloromethane             | 2.125  | 50    | 104092   | 49.829   | ug/l       | 97       |
| 4) Vinyl Chloride            | 2.259  | 62    | 154996   | 56.774   | ug/l       | 98       |
| 5) Bromomethane              | 2.668  | 94    | 130109   | 58.942   | ug/l       | 99       |
| 6) Chloroethane              | 2.808  | 64    | 114366   | 64.206   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 3.137  | 101   | 131927   | 49.553   | ug/l       | 90       |
| 8) Diethyl Ether             | 3.540  | 74    | 36581    | 46.775   | ug/l       | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.918  | 101   | 78905    | 49.419   | ug/l       | 98       |
| 10) Methyl Iodide            | 4.113  | 142   | 93543    | 53.874   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 4.966  | 59    | 20223    | 195.611  | ug/l #     | 81       |
| 12) 1,1-Dichloroethene       | 3.887  | 96    | 73186    | 48.984   | ug/l       | 94       |
| 13) Acrolein                 | 3.741  | 56    | 19215    | 198.035  | ug/l       | 100      |
| 14) Allyl chloride           | 4.497  | 41    | 84941    | 46.341   | ug/l       | 89       |
| 15) Acrylonitrile            | 5.180  | 53    | 73510    | 222.678  | ug/l       | 99       |
| 16) Acetone                  | 3.960  | 43    | 71319    | 249.127  | ug/l       | 94       |
| 17) Carbon Disulfide         | 4.210  | 76    | 195442   | 46.224   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.491  | 43    | 27117    | 42.765   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 5.234  | 73    | 169917   | 49.670   | ug/l       | 99       |
| 20) Methylene Chloride       | 4.734  | 84    | 81063    | 45.997   | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene | 5.240  | 96    | 80451    | 50.319   | ug/l       | 97       |
| 22) Diisopropyl ether        | 6.131  | 45    | 208374   | 49.184   | ug/l       | 92       |
| 23) Vinyl Acetate            | 6.076  | 43    | 629918   | 243.525  | ug/l       | 100      |
| 24) 1,1-Dichloroethane       | 6.033  | 63    | 142654   | 50.732   | ug/l       | 97       |
| 25) 2-Butanone               | 7.002  | 43    | 93928    | 230.318  | ug/l       | 100      |
| 26) 2,2-Dichloropropane      | 6.996  | 77    | 127624   | 52.549   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 7.002  | 96    | 97548    | 51.626   | ug/l       | 97       |
| 28) Bromochloromethane       | 7.344  | 49    | 49001    | 42.852   | ug/l       | 93       |
| 29) Tetrahydrofuran          | 7.362  | 42    | 53417    | 218.292  | ug/l       | 98       |
| 30) Chloroform               | 7.521  | 83    | 153202   | 52.511   | ug/l       | 98       |
| 31) Cyclohexane              | 7.801  | 56    | 108860   | 44.619   | ug/l       | 96       |
| 32) 1,1,1-Trichloroethane    | 7.716  | 97    | 131497   | 52.956   | ug/l       | 96       |
| 36) 1,1-Dichloropropene      | 7.929  | 75    | 110142   | 52.639   | ug/l       | 96       |
| 37) Ethyl Acetate            | 7.088  | 43    | 40808    | 45.193   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 7.917  | 117   | 115596   | 53.217   | ug/l       | 97       |
| 39) Methylcyclohexane        | 9.197  | 83    | 135111   | 51.694   | ug/l       | 99       |
| 40) Benzene                  | 8.173  | 78    | 334373   | 51.854   | ug/l       | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY040524\  
 Data File : VY017860.D  
 Acq On : 05 Apr 2024 10:20  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 06 04:44:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 05:58:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.362  | 41   | 53626    | 90.032  | ug/l # | 27       |
| 42) 1,2-Dichloroethane        | 8.252  | 62   | 82454    | 51.951  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 77153    | 47.082  | ug/l   | 99       |
| 44) Trichloroethene           | 8.953  | 130  | 84704    | 50.488  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 76390    | 50.981  | ug/l   | 99       |
| 46) Dibromomethane            | 9.319  | 93   | 43928    | 51.601  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.508  | 83   | 115629   | 53.755  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.307  | 41   | 34335    | 49.477  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 8485     | 887.858 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 205292   | 252.669 | ug/l   | 100      |
| 52) Toluene                   | 10.258 | 92   | 206406   | 52.771  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.477 | 75   | 99160    | 51.919  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.941  | 75   | 120874   | 51.855  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 58231    | 51.335  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 71852    | 51.389  | ug/l # | 96       |
| 57) 1,3-Dichloropropane       | 10.800 | 76   | 97262    | 50.697  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.795  | 63   | 188640   | 265.005 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.843 | 43   | 148729   | 256.534 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.996 | 129  | 75680    | 52.898  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.105 | 107  | 52366    | 50.628  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.733 | 164  | 93394    | 49.211  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.526 | 112  | 227403   | 50.948  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 78930    | 52.080  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.605 | 91   | 408282   | 53.210  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.715 | 106  | 312113   | 107.258 | ug/l   | 98       |
| 69) o-Xylene                  | 12.044 | 106  | 145342   | 58.495  | ug/l   | 99       |
| 70) Styrene                   | 12.056 | 104  | 243833   | 57.207  | ug/l   | 99       |
| 71) Bromoform                 | 12.221 | 173  | 41269    | 49.125  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.343 | 105  | 383111   | 55.918  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.154 | 43   | 64523    | 49.937  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.593 | 83   | 59351    | 50.078  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 78310    | 87.901  | ug/l # | 100      |
| 77) Bromobenzene              | 12.623 | 156  | 85206    | 52.217  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.684 | 91   | 465464   | 55.677  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.770 | 91   | 247355   | 54.016  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.824 | 105  | 293721   | 54.932  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.392 | 75   | 19720    | 51.372  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.867 | 91   | 251115   | 52.959  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.087 | 119  | 271124   | 55.772  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.129 | 105  | 295776   | 55.541  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.263 | 105  | 410883   | 56.313  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.379 | 119  | 341952   | 56.069  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.379 | 146  | 171125   | 52.851  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.459 | 146  | 161657   | 52.162  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.708 | 91   | 318686   | 56.795  | ug/l   | 97       |
| 90) Hexachloroethane          | 13.971 | 117  | 64487    | 53.175  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.751 | 146  | 140327   | 52.285  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.367 | 75   | 6738     | 42.072  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.019 | 180  | 70552    | 47.993  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.123 | 225  | 43385    | 48.684  | ug/l   | 98       |
| 95) Naphthalene               | 15.251 | 128  | 111426   | 47.068  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.434 | 180  | 57254    | 46.107  | ug/l   | 99       |

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Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

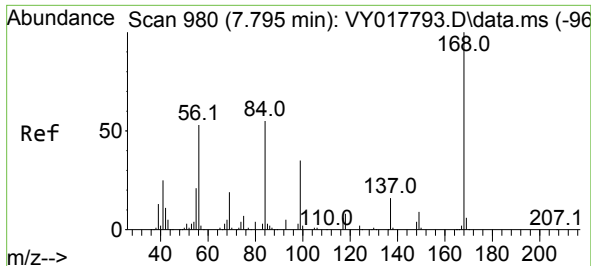
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Apr 06 04:44:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032924S.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 05:58:13 2024  
Response via : Initial Calibration

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

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

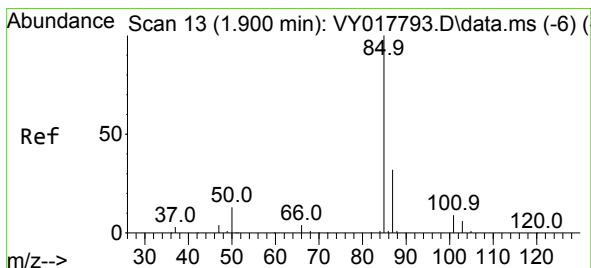
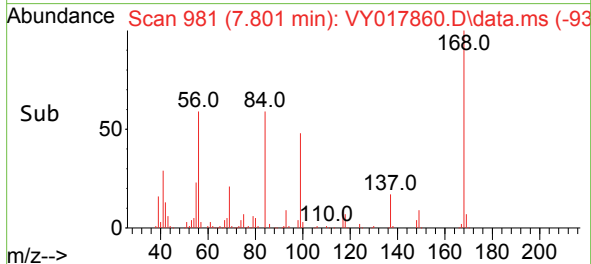
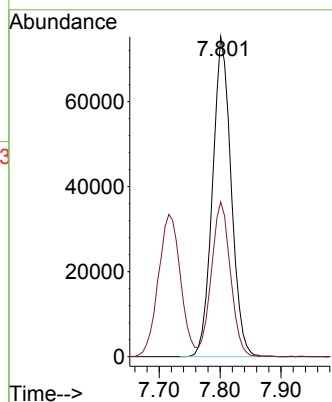
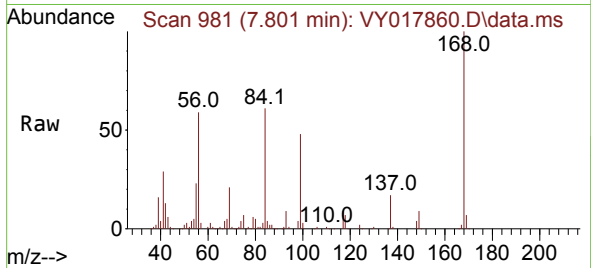




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

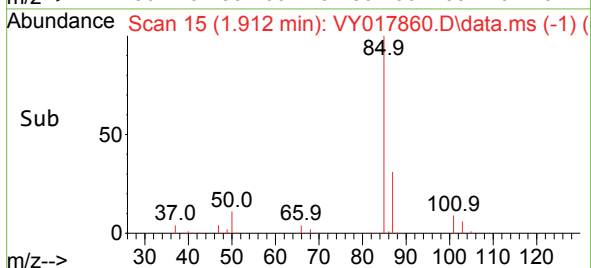
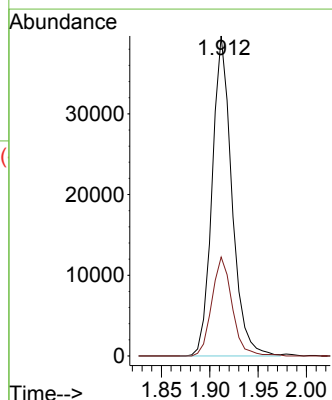
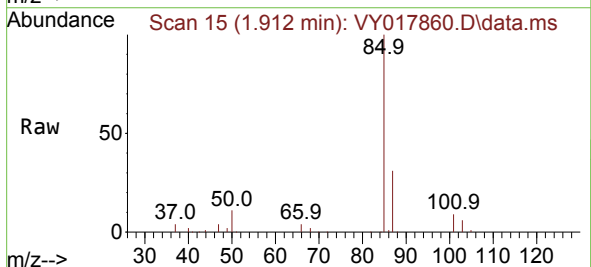
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

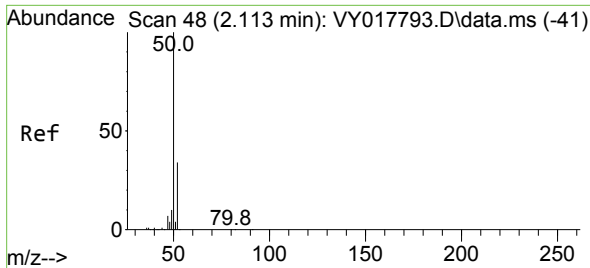
Tgt Ion:168 Resp: 160045  
Ion Ratio Lower Upper  
168 100  
99 48.4 39.1 58.7



#2  
Dichlorodifluoromethane  
Concen: 52.624 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 85 Resp: 56325  
Ion Ratio Lower Upper  
85 100  
87 30.9 16.0 48.0

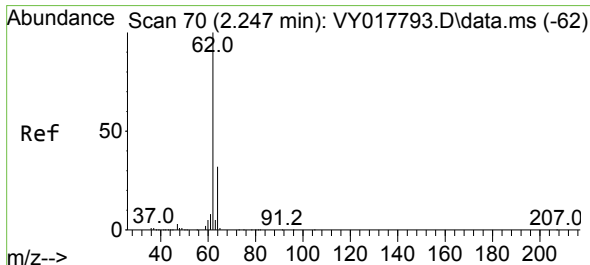
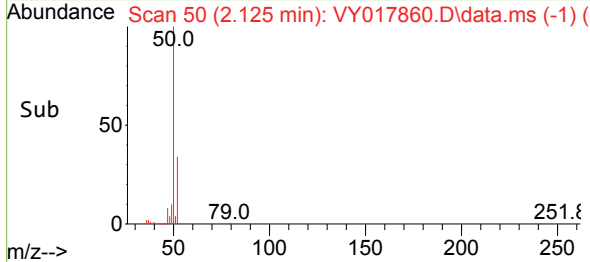
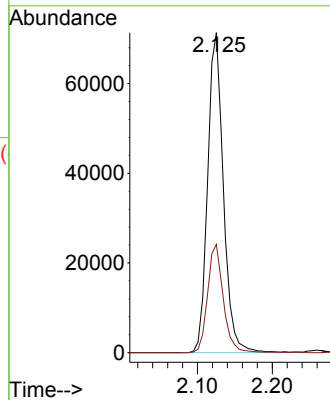
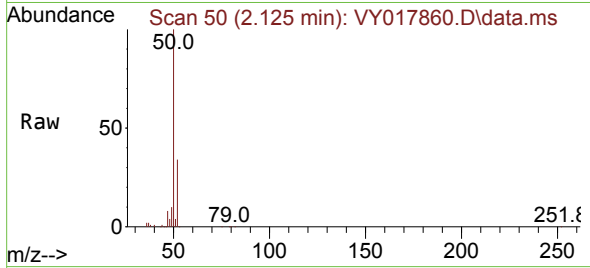




#3  
Chloromethane  
Concen: 49.829 ug/l  
RT: 2.125 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

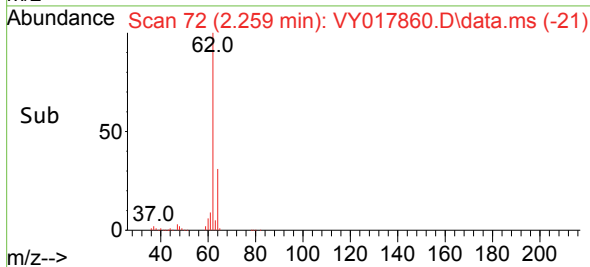
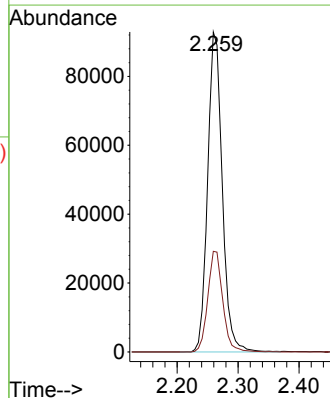
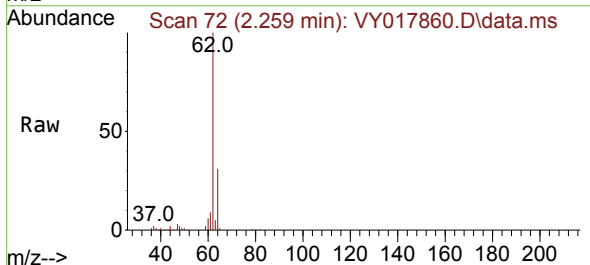
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

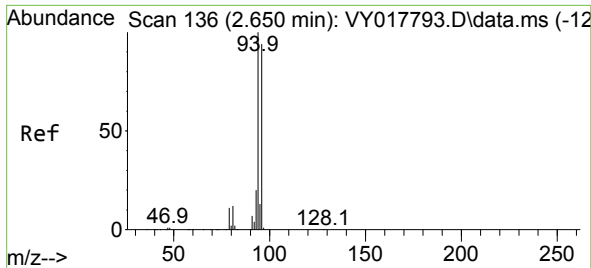
Tgt Ion: 50 Resp: 104092  
Ion Ratio Lower Upper  
50 100  
52 33.8 25.6 38.4



#4  
Vinyl Chloride  
Concen: 56.774 ug/l  
RT: 2.259 min Scan# 72  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 62 Resp: 154996  
Ion Ratio Lower Upper  
62 100  
64 31.5 26.1 39.1





#5

Bromomethane

Concen: 58.942 ug/l

RT: 2.668 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

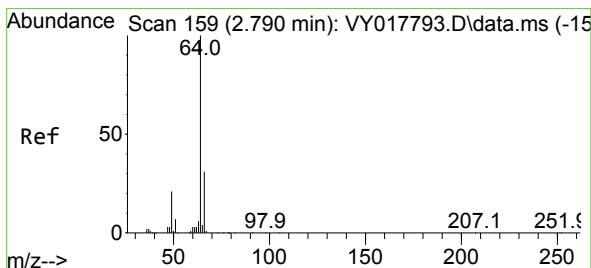
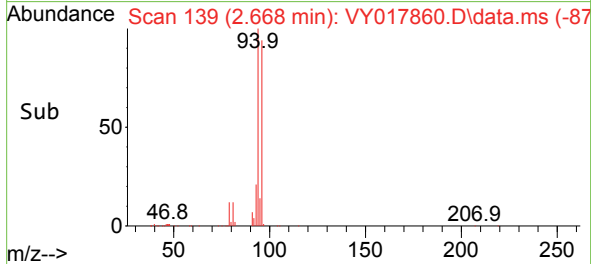
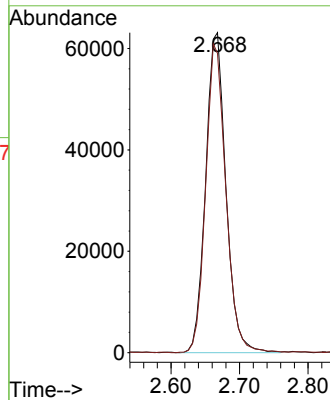
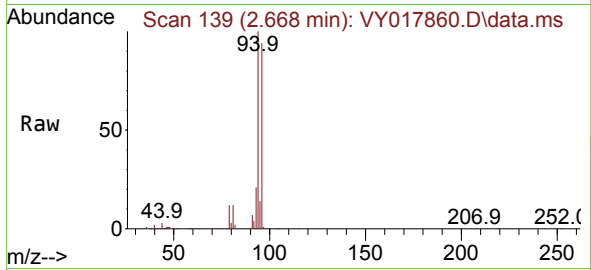
VSTDCCC050

Tgt Ion: 94 Resp: 130109

Ion Ratio Lower Upper

94 100

96 93.4 74.1 111.1



#6

Chloroethane

Concen: 64.206 ug/l

RT: 2.808 min Scan# 162

Delta R.T. 0.018 min

Lab File: VY017860.D

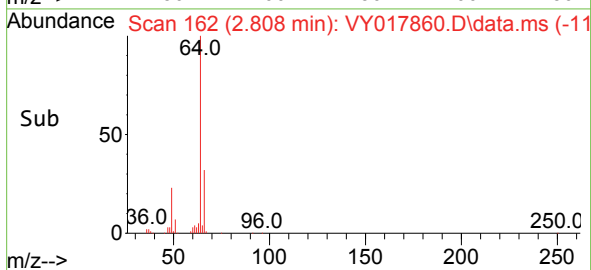
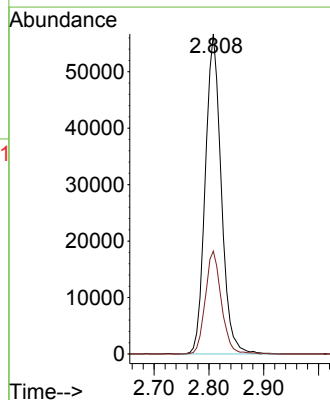
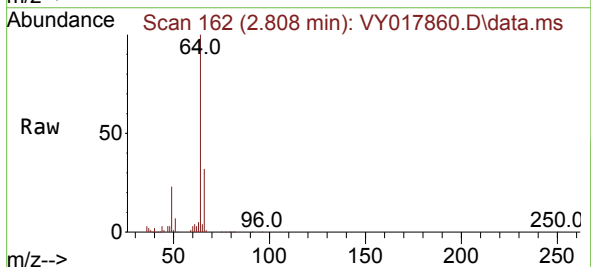
Acq: 05 Apr 2024 10:20

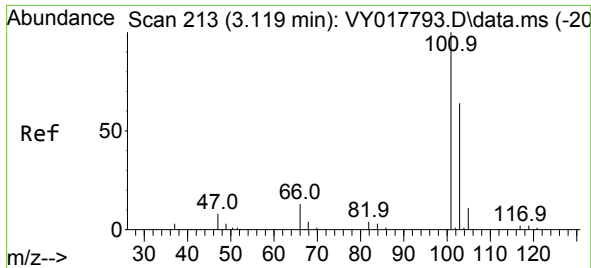
Tgt Ion: 64 Resp: 114366

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1

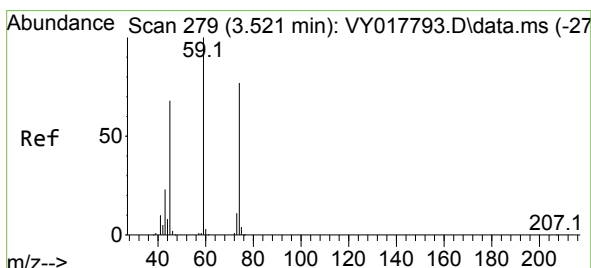
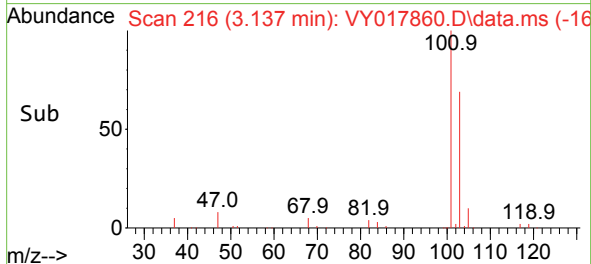
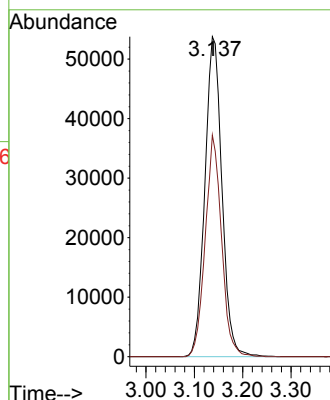
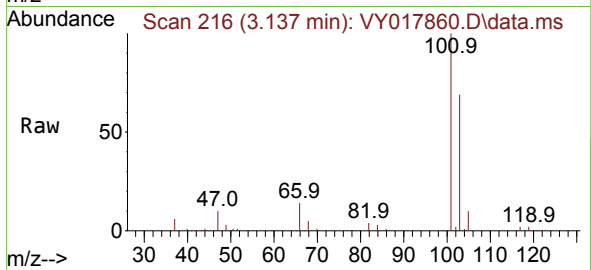




#7  
Trichlorofluoromethane  
Concen: 49.553 ug/l  
RT: 3.137 min Scan# 213  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

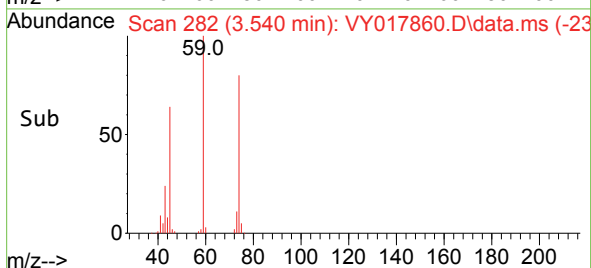
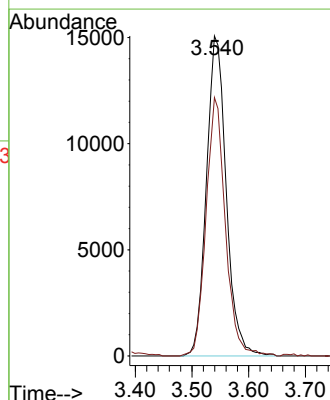
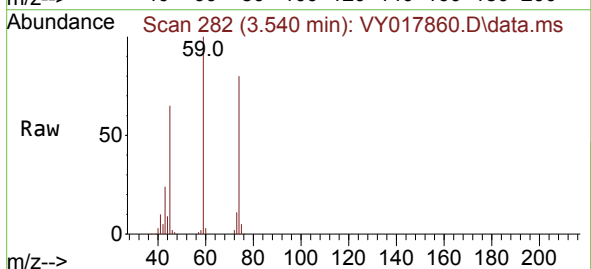
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

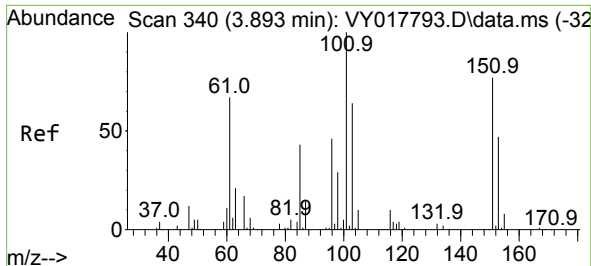
Tgt Ion:101 Resp: 131927  
Ion Ratio Lower Upper  
101 100  
103 69.3 49.3 73.9



#8  
Diethyl Ether  
Concen: 46.775 ug/l  
RT: 3.540 min Scan# 282  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 74 Resp: 36581  
Ion Ratio Lower Upper  
74 100  
45 78.9 41.3 124.1

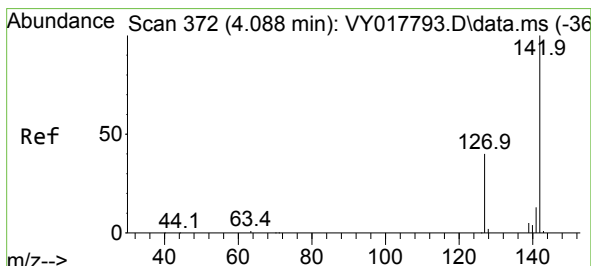
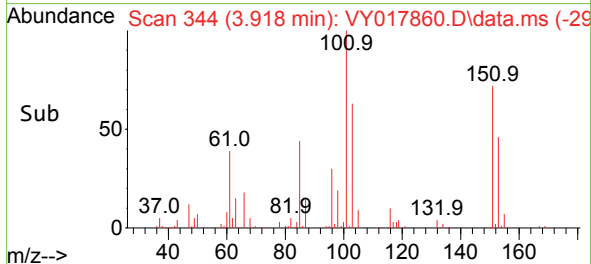
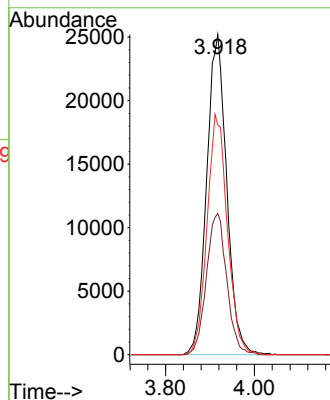
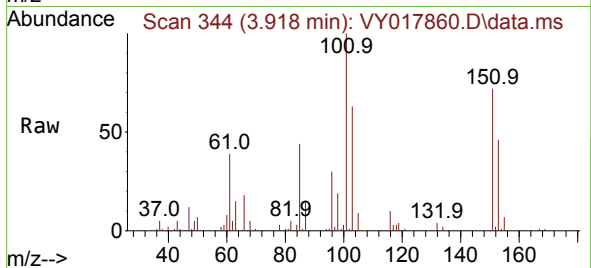




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.419 ug/l  
RT: 3.918 min Scan# 344  
Delta R.T. 0.024 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

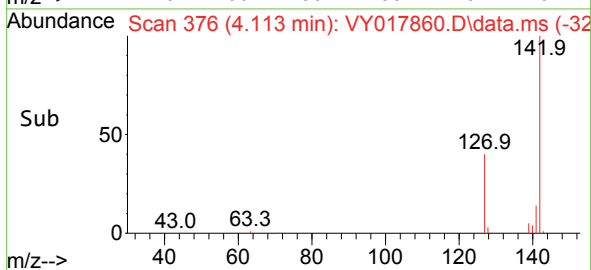
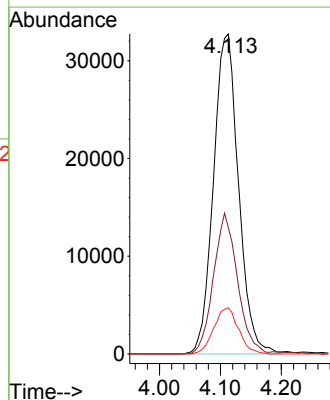
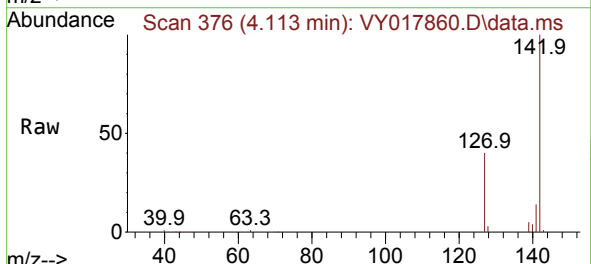
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

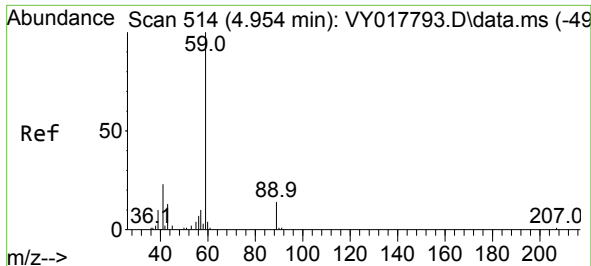
Tgt Ion:101 Resp: 78905  
Ion Ratio Lower Upper  
101 100  
85 44.8 34.5 51.7  
151 76.3 61.7 92.5



#10  
Methyl Iodide  
Concen: 53.874 ug/l  
RT: 4.113 min Scan# 376  
Delta R.T. 0.025 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion:142 Resp: 93543  
Ion Ratio Lower Upper  
142 100  
127 42.1 32.8 49.2  
141 14.2 11.4 17.2

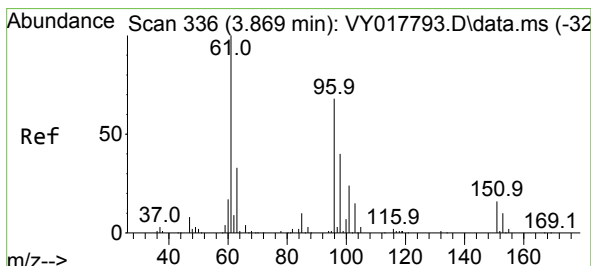
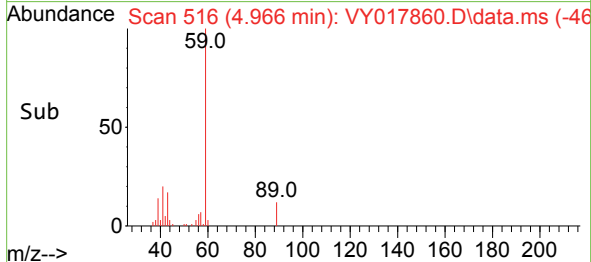
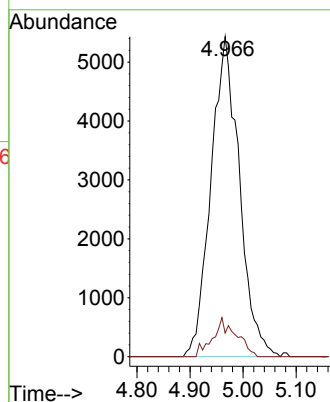
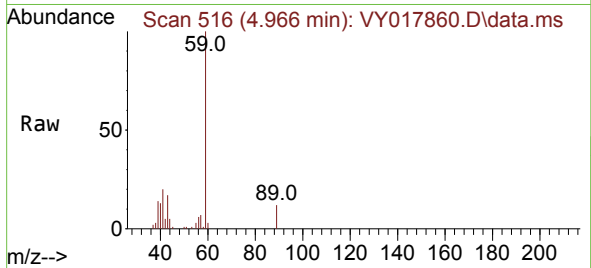




#11  
Tert butyl alcohol  
Concen: 195.611 ug/l  
RT: 4.966 min Scan# 514  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

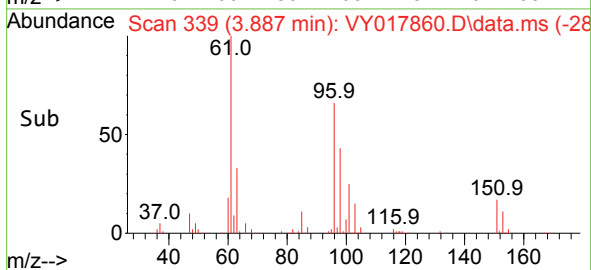
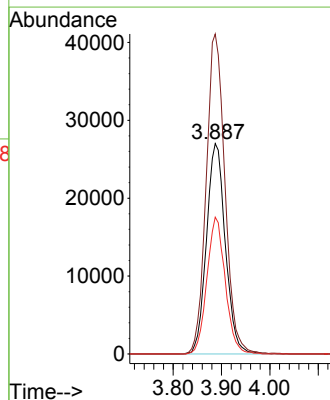
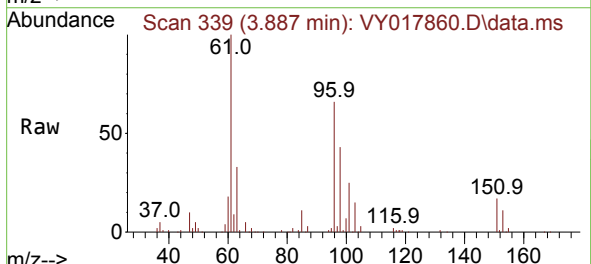
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

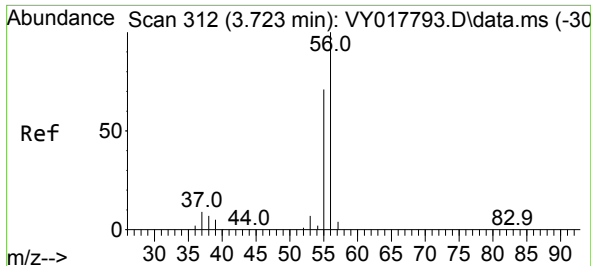
Tgt Ion: 59 Resp: 20223  
Ion Ratio Lower Upper  
59 100  
57 10.0 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 48.984 ug/l  
RT: 3.887 min Scan# 339  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 96 Resp: 73186  
Ion Ratio Lower Upper  
96 100  
61 152.0 114.6 171.8  
98 65.0 50.8 76.2





#13

Acrolein

Concen: 198.035 ug/l

RT: 3.741 min Scan# 312

Delta R.T. 0.018 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

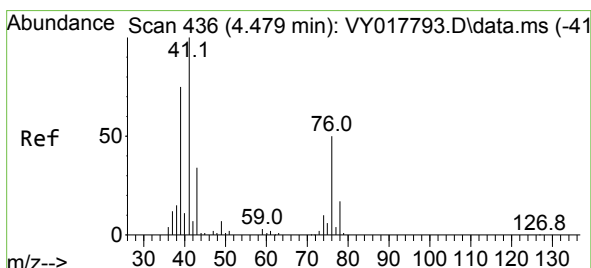
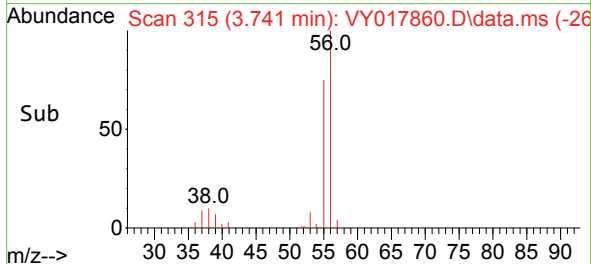
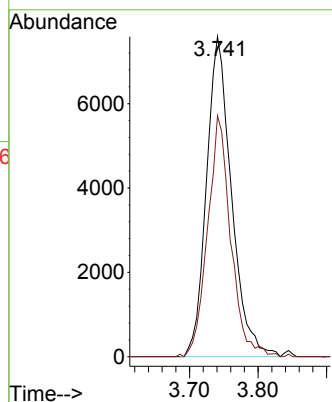
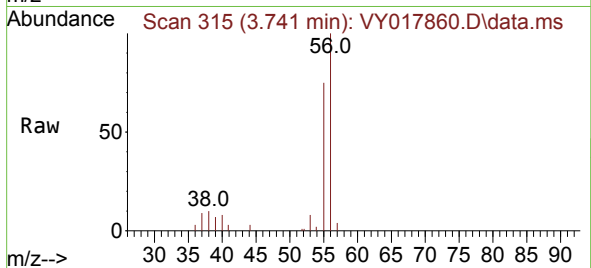
VSTDCCC050

Tgt Ion: 56 Resp: 19215

Ion Ratio Lower Upper

56 100

55 69.7 55.7 83.5



#14

Allyl chloride

Concen: 46.341 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.018 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

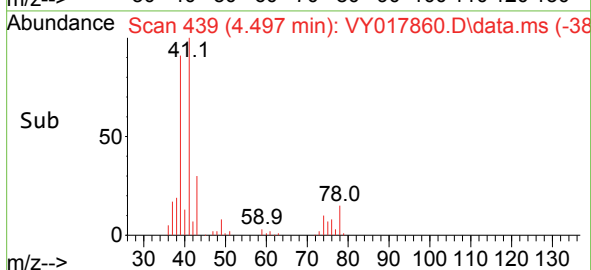
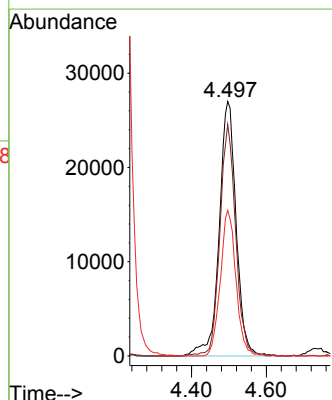
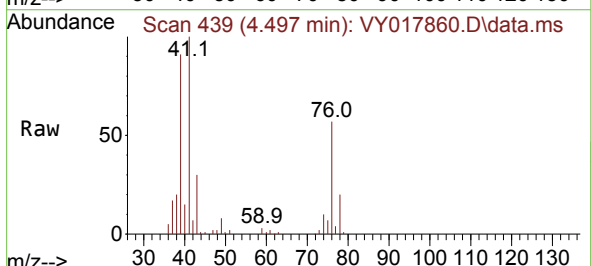
Tgt Ion: 41 Resp: 84941

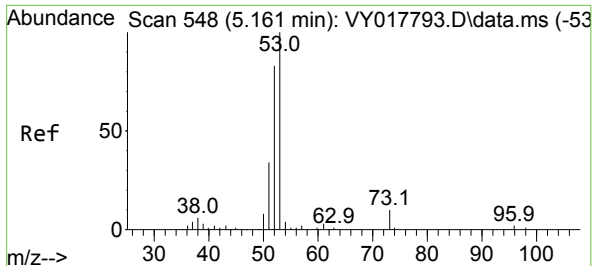
Ion Ratio Lower Upper

41 100

39 85.1 58.3 87.5

76 52.7 39.0 58.6

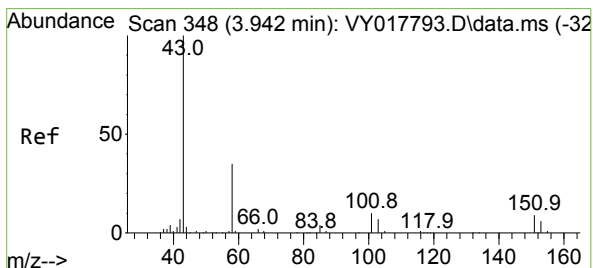
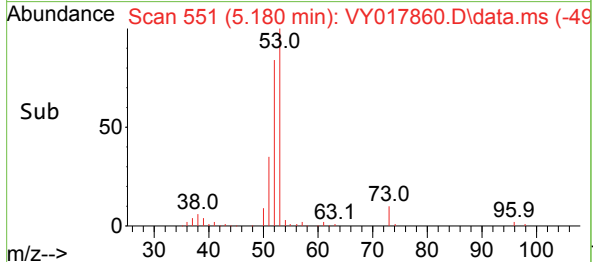
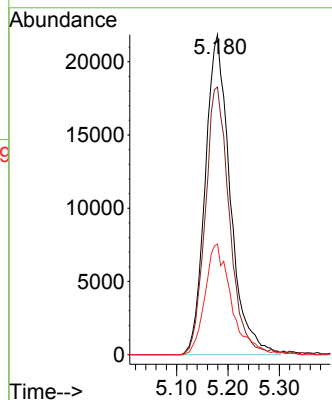
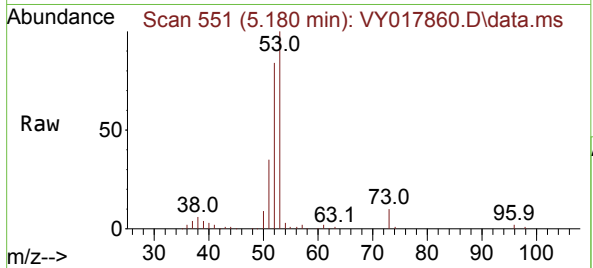




#15  
Acrylonitrile  
Concen: 222.678 ug/l  
RT: 5.180 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

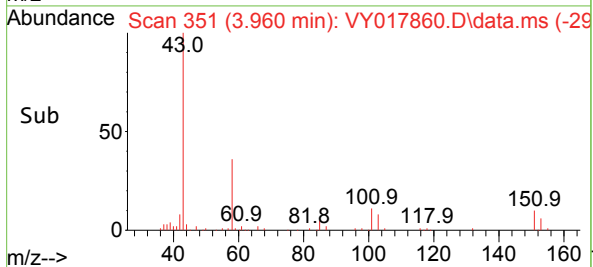
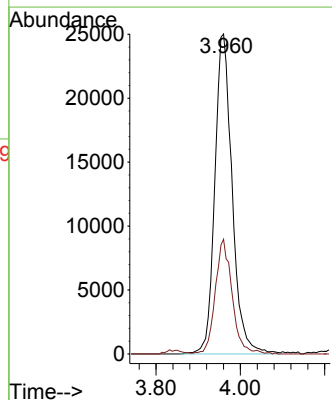
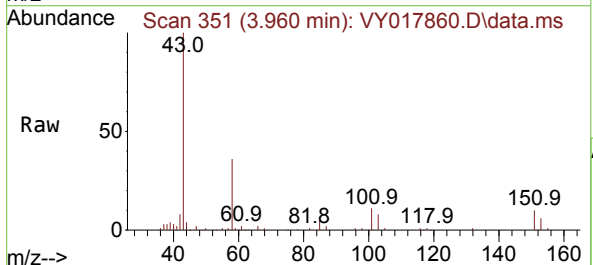
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

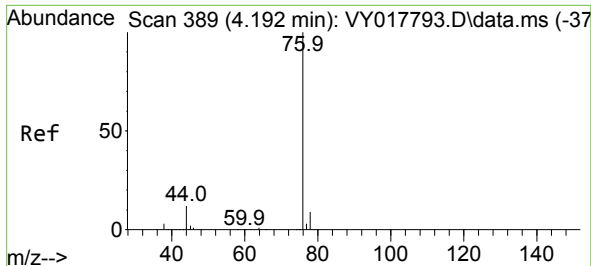
|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 73510 |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 80.9     | 64.7 97.1   |
| 51 36.9     | 28.4 42.6   |



#16  
Acetone  
Concen: 249.127 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 71319 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 35.9     | 31.7 47.5   |

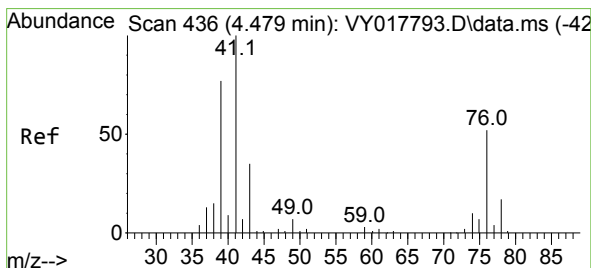
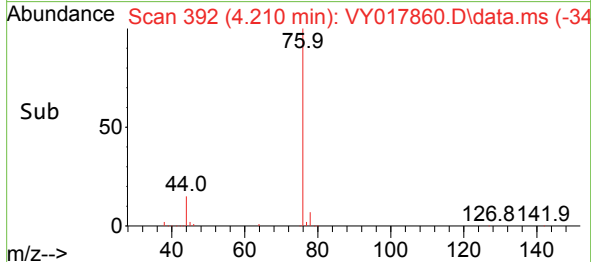
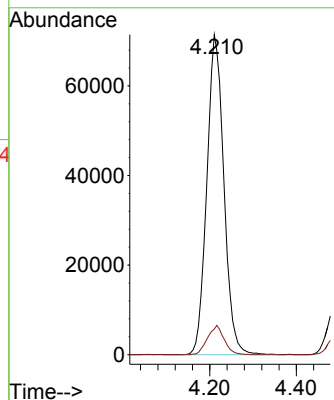
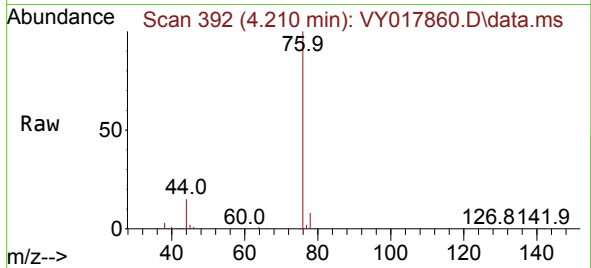




#17  
Carbon Disulfide  
Concen: 46.224 ug/l  
RT: 4.210 min Scan# 391  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

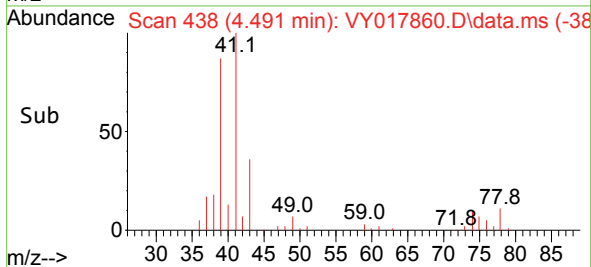
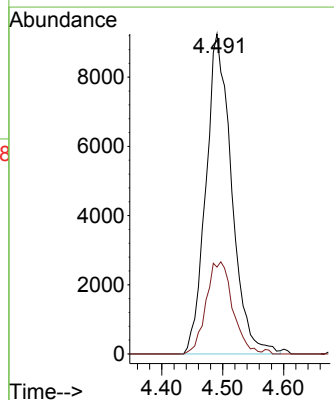
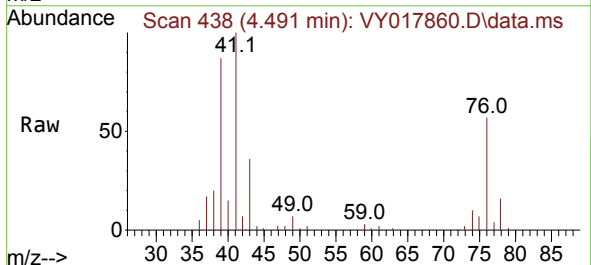
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

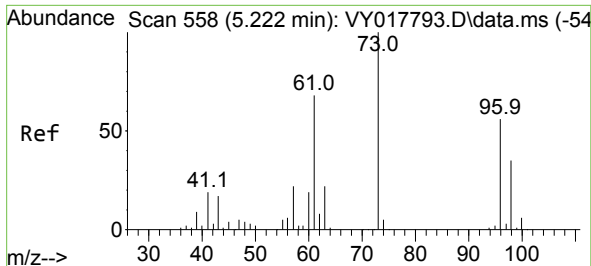
Tgt Ion: 76 Resp: 195442  
Ion Ratio Lower Upper  
76 100  
78 8.0 6.8 10.2



#18  
Methyl Acetate  
Concen: 42.765 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 43 Resp: 27117  
Ion Ratio Lower Upper  
43 100  
74 29.7 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 49.670 ug/l

RT: 5.234 min Scan# 5

Delta R.T. 0.012 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

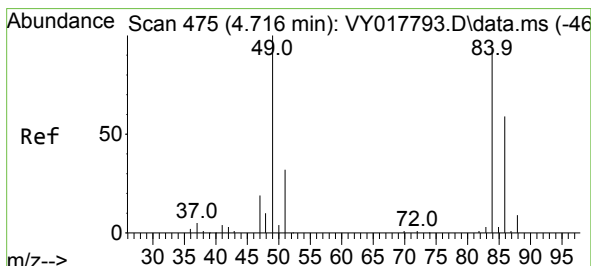
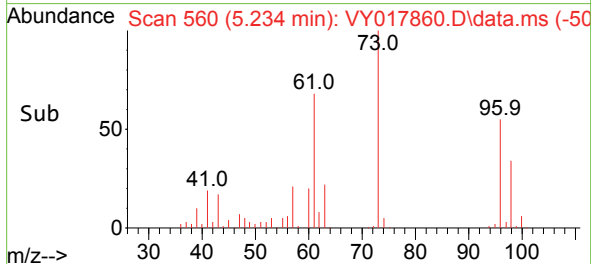
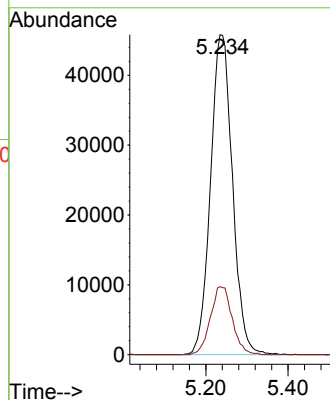
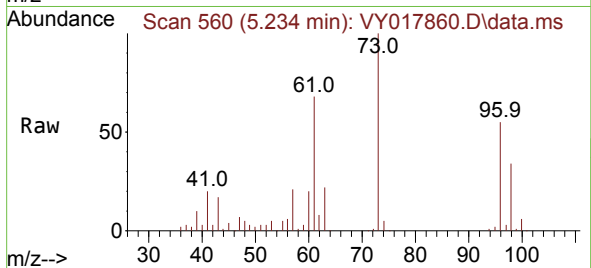
VSTDCCC050

Tgt Ion: 73 Resp: 169917

Ion Ratio Lower Upper

73 100

57 21.3 17.3 25.9



#20

Methylene Chloride

Concen: 45.997 ug/l

RT: 4.734 min Scan# 478

Delta R.T. 0.018 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Tgt Ion: 84 Resp: 81063

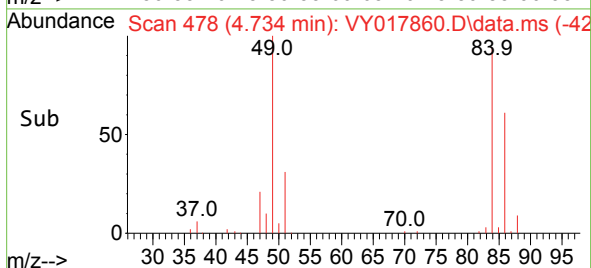
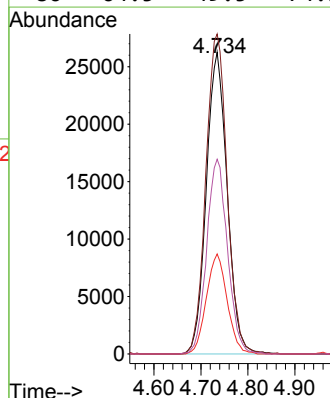
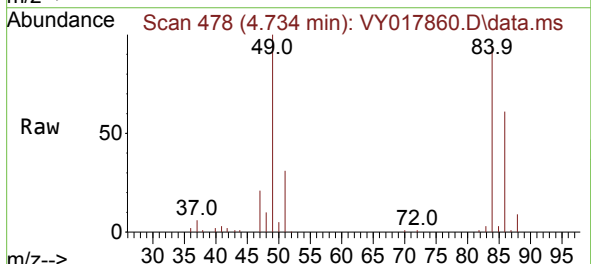
Ion Ratio Lower Upper

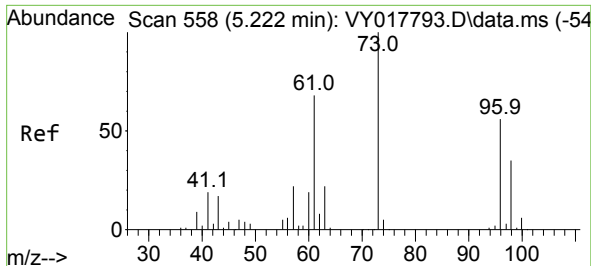
84 100

49 106.1 84.4 126.6

51 33.2 26.0 39.0

86 64.5 49.5 74.3

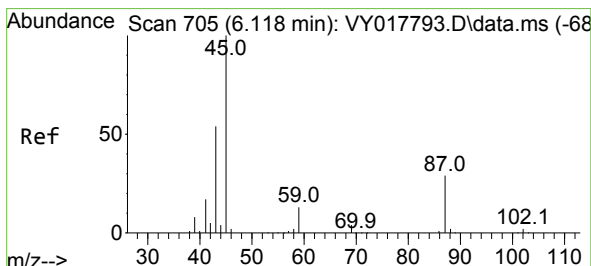
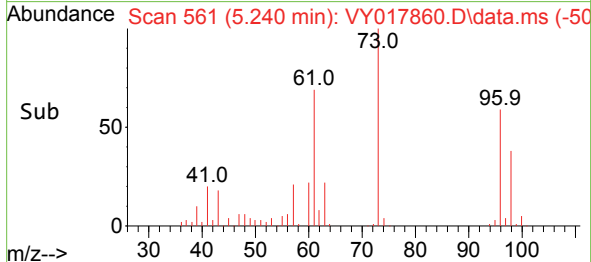
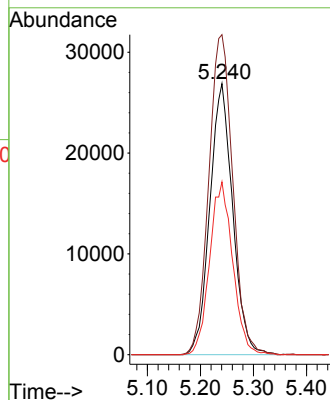
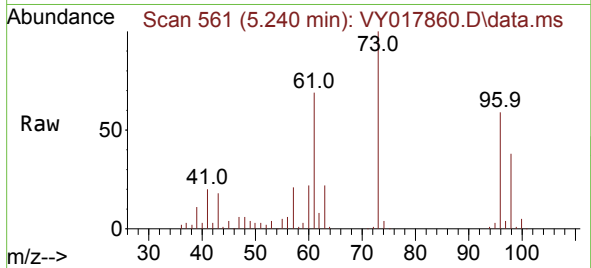




#21  
trans-1,2-Dichloroethene  
Concen: 50.319 ug/l  
RT: 5.240 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

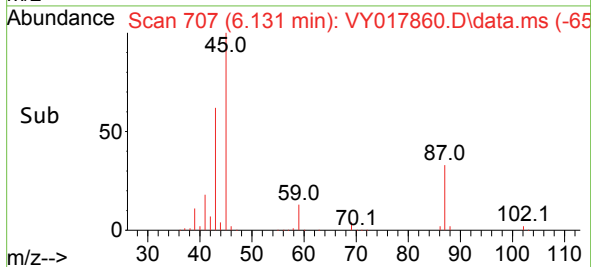
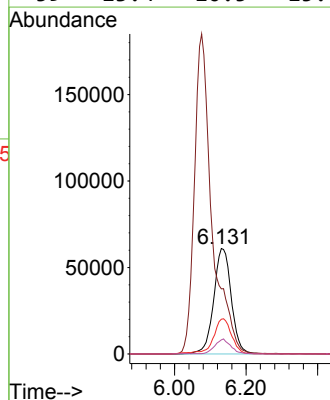
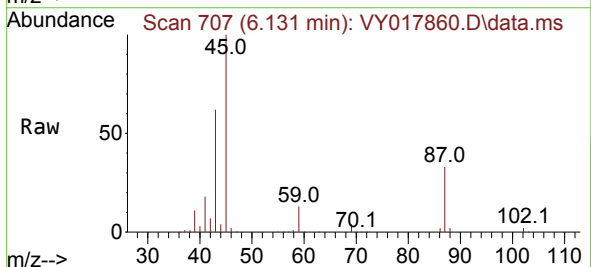
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

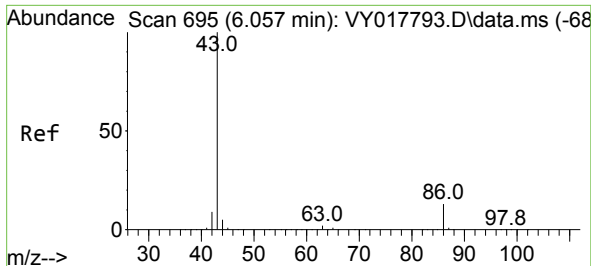
Tgt Ion: 96 Resp: 80451  
Ion Ratio Lower Upper  
96 100  
61 118.1 97.5 146.3  
98 63.8 50.5 75.7



#22  
Diisopropyl ether  
Concen: 49.184 ug/l  
RT: 6.131 min Scan# 707  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 45 Resp: 208374  
Ion Ratio Lower Upper  
45 100  
43 61.5 42.2 63.2  
87 33.0 25.0 37.6  
59 13.4 10.5 15.7

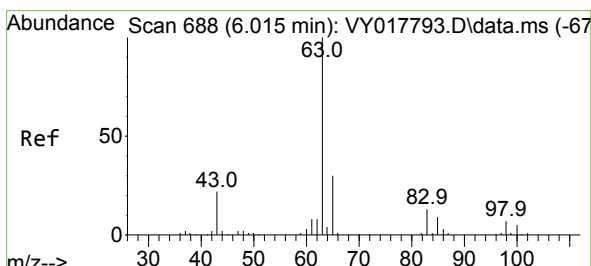
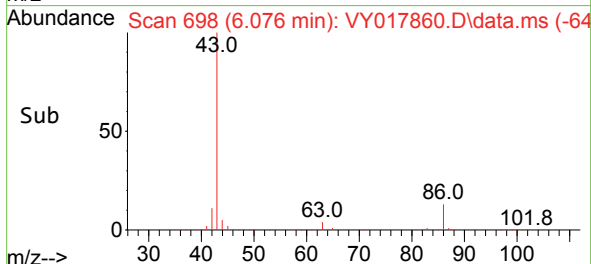
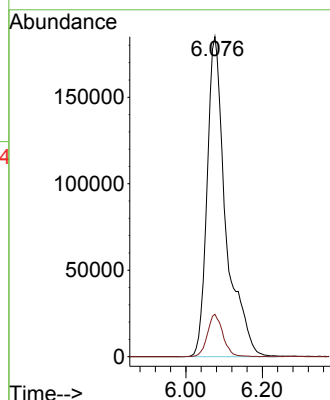
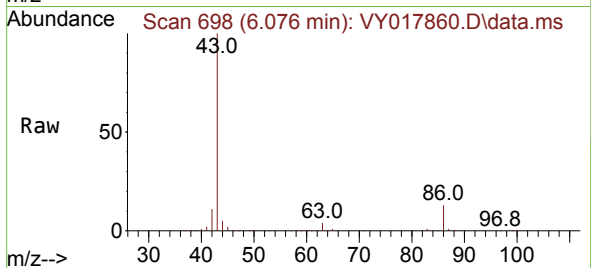




#23  
 Vinyl Acetate  
 Concen: 243.525 ug/l  
 RT: 6.076 min Scan# 61  
 Delta R.T. 0.018 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

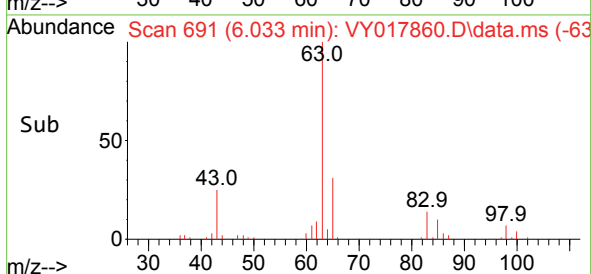
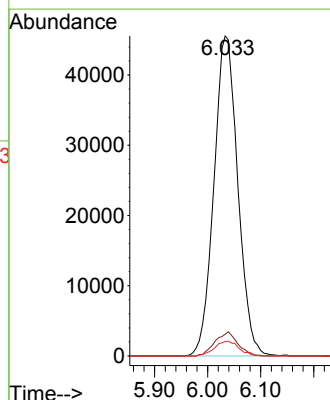
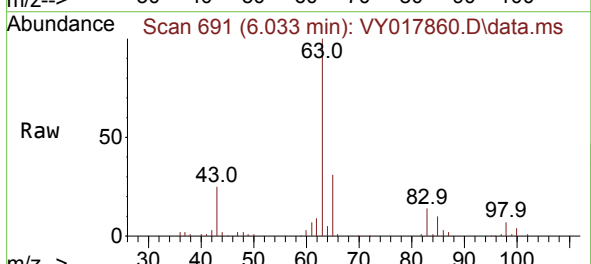
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

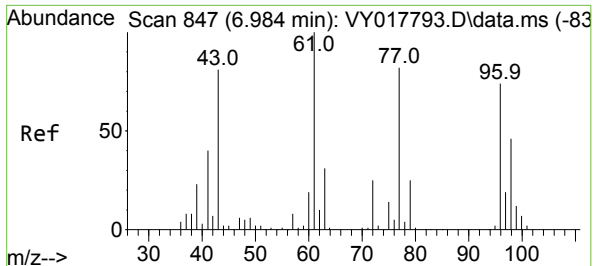
Tgt Ion: 43 Resp: 629918  
 Ion Ratio Lower Upper  
 43 100  
 86 13.3 10.6 16.0



#24  
 1,1-Dichloroethane  
 Concen: 50.732 ug/l  
 RT: 6.033 min Scan# 691  
 Delta R.T. 0.018 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

Tgt Ion: 63 Resp: 142654  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 4.0 12.2  
 100 4.5 2.6 8.0





#25

2-Butanone

Concen: 230.318 ug/l

RT: 7.002 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

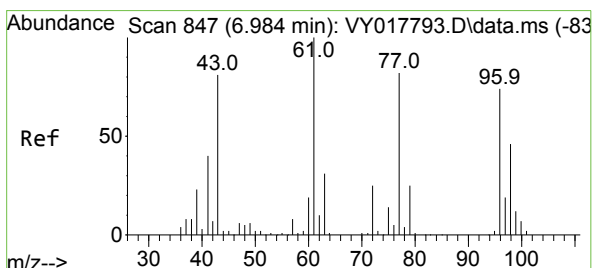
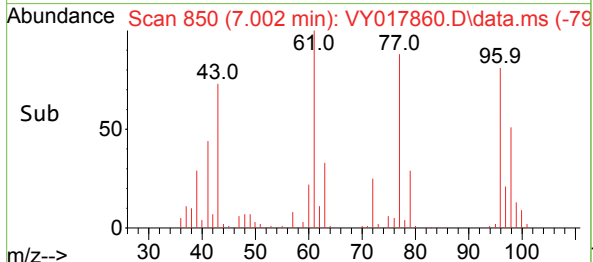
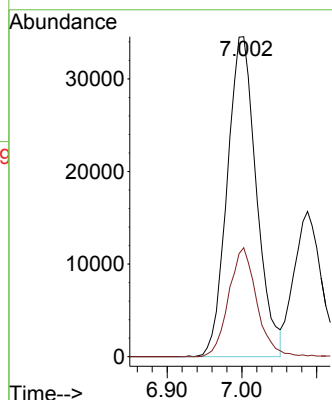
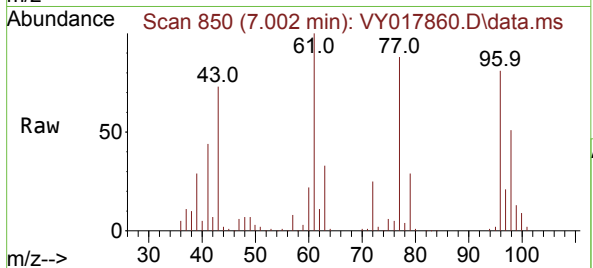
VSTDCCC050

Tgt Ion: 43 Resp: 93928

Ion Ratio Lower Upper

43 100

72 34.1 27.3 40.9



#26

2,2-Dichloropropane

Concen: 52.549 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY017860.D

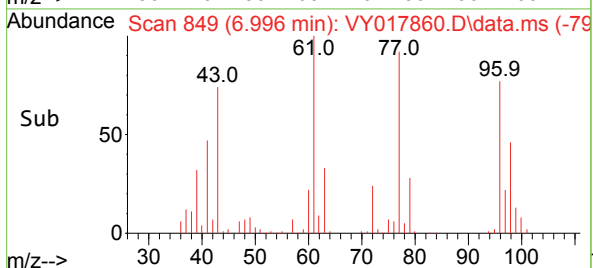
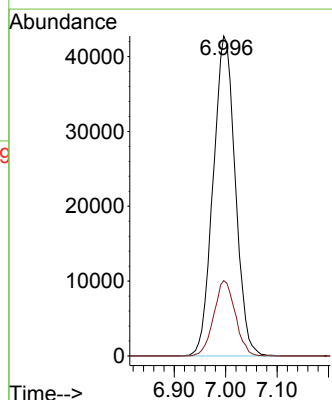
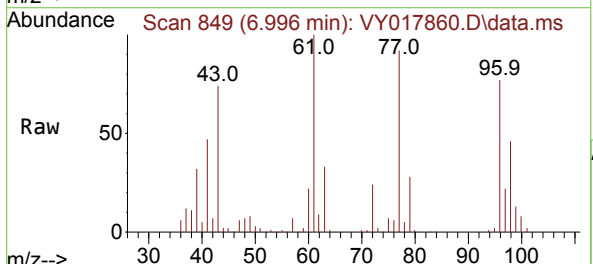
Acq: 05 Apr 2024 10:20

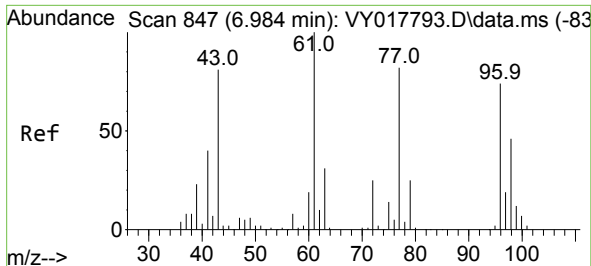
Tgt Ion: 77 Resp: 127624

Ion Ratio Lower Upper

77 100

97 22.9 12.0 36.1



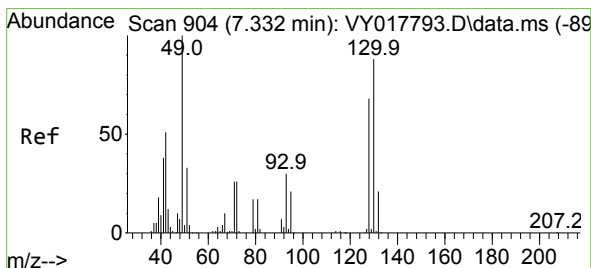
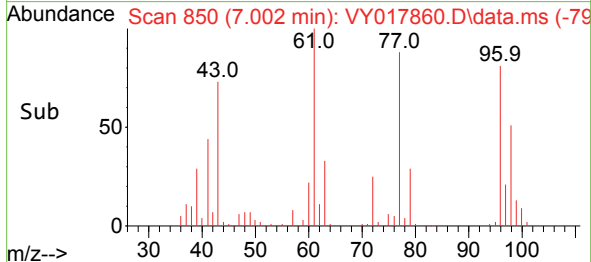
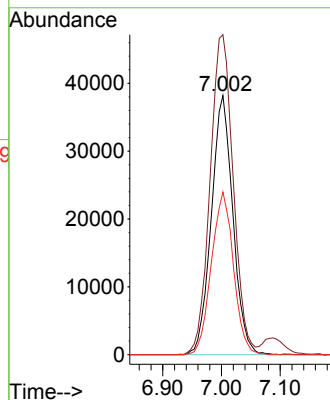
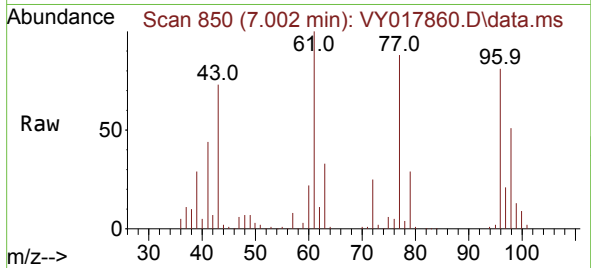


#27  
 cis-1,2-Dichloroethene  
 Concen: 51.626 ug/l  
 RT: 7.002 min Scan# 847  
 Delta R.T. 0.018 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 97548  

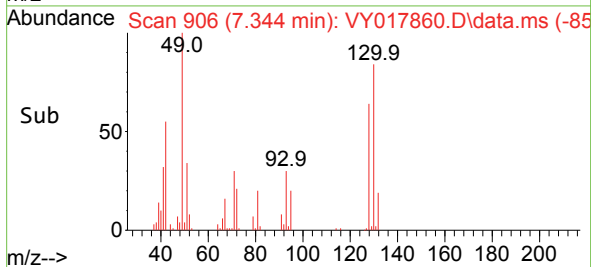
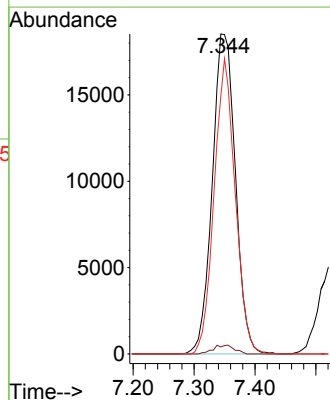
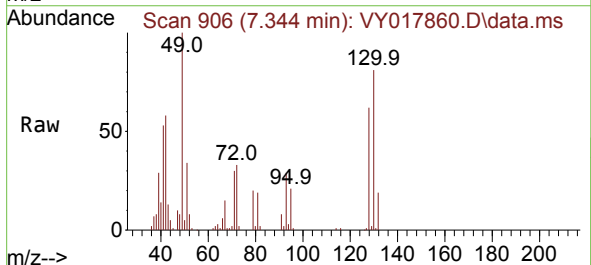
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 132.3 | 0.0   | 256.2 |
| 98  | 64.2  | 0.0   | 130.0 |

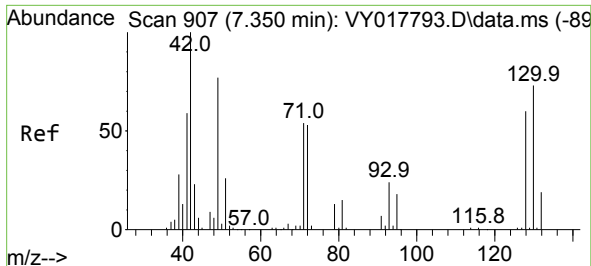


#28  
 Bromochloromethane  
 Concen: 42.852 ug/l  
 RT: 7.344 min Scan# 906  
 Delta R.T. 0.012 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

Tgt Ion: 49 Resp: 49001  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.5   | 0.0   | 4.6   |
| 130 | 83.9  | 72.7  | 109.1 |





#29

Tetrahydrofuran

Concen: 218.292 ug/l

RT: 7.362 min Scan# 907

Delta R.T. 0.012 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

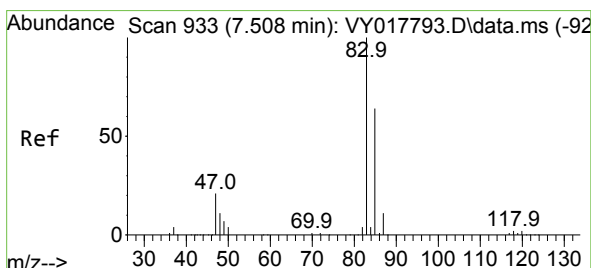
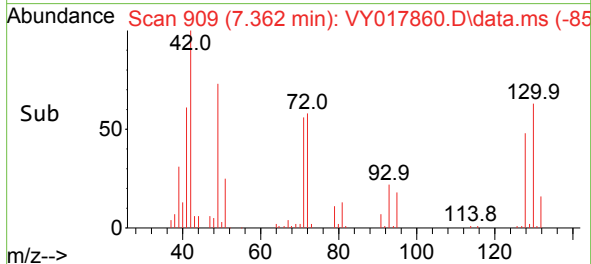
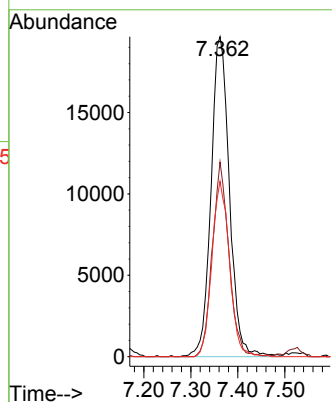
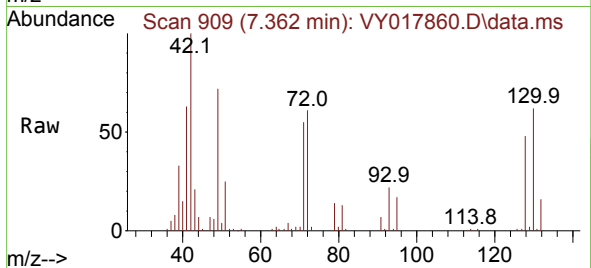
Tgt Ion: 42 Resp: 53417

Ion Ratio Lower Upper

42 100

72 55.0 43.0 64.4

71 52.3 40.8 61.2



#30

Chloroform

Concen: 52.511 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.012 min

Lab File: VY017860.D

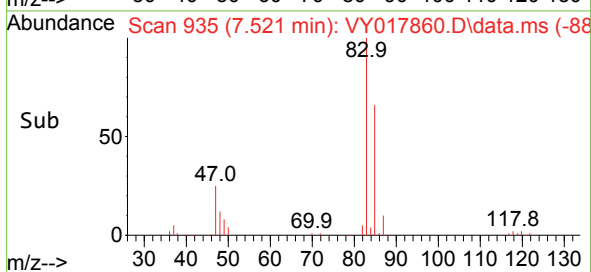
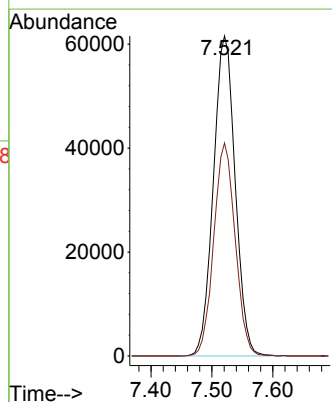
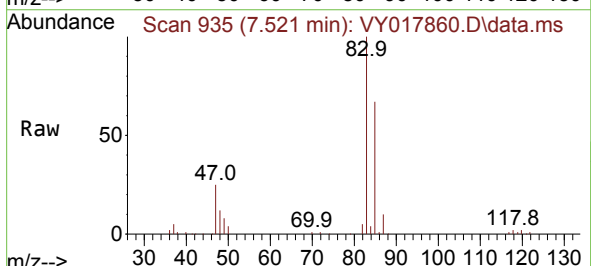
Acq: 05 Apr 2024 10:20

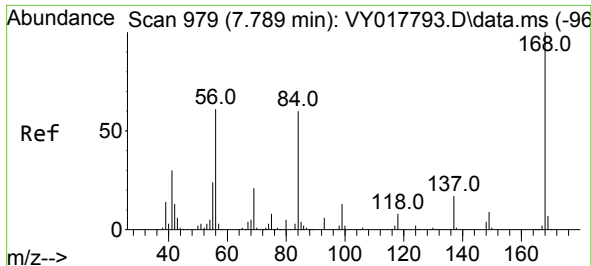
Tgt Ion: 83 Resp: 153202

Ion Ratio Lower Upper

83 100

85 66.5 52.2 78.4

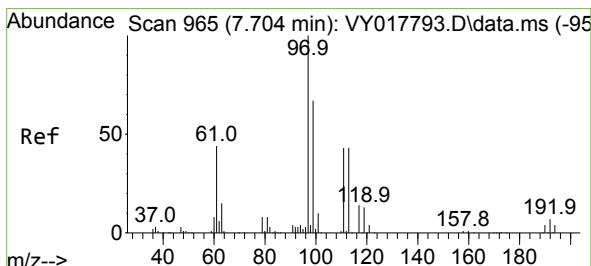
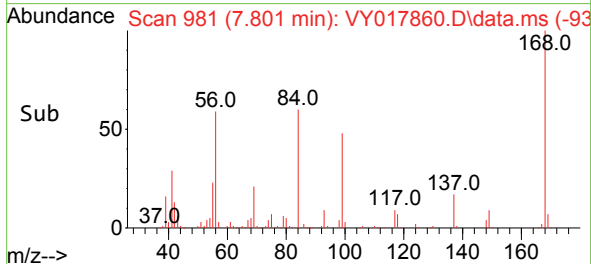
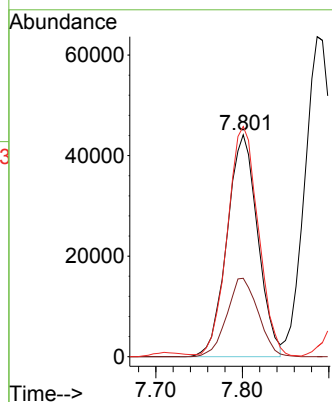
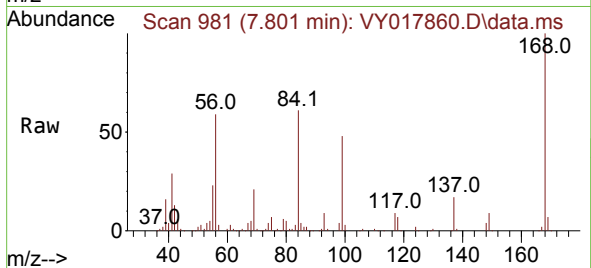




#31  
Cyclohexane  
Concen: 44.619 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

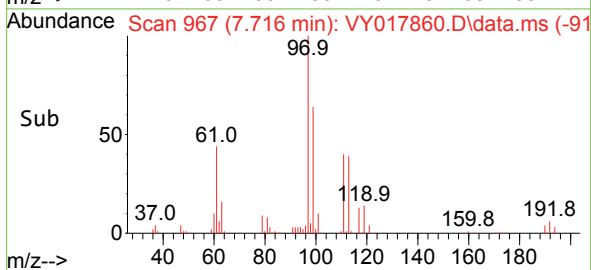
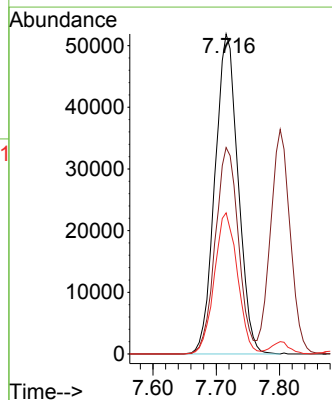
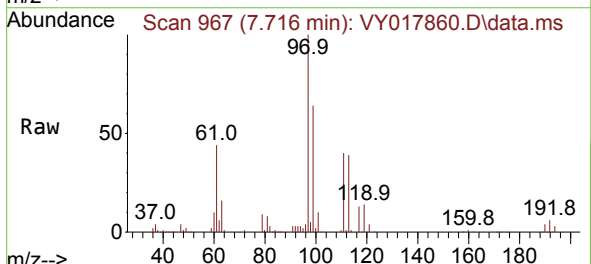
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

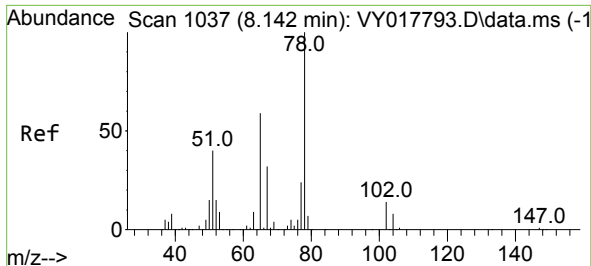
Tgt Ion: 56 Resp: 108860  
Ion Ratio Lower Upper  
56 100  
69 35.3 28.7 43.1  
84 102.4 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 52.956 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 97 Resp: 131497  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.3 75.5  
61 44.3 32.6 48.8

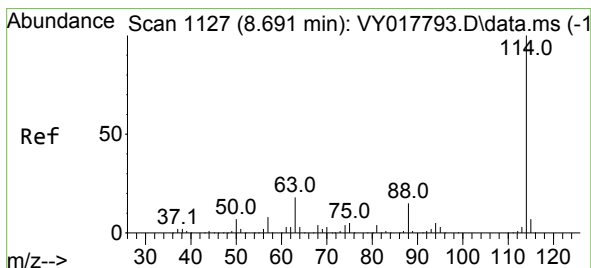
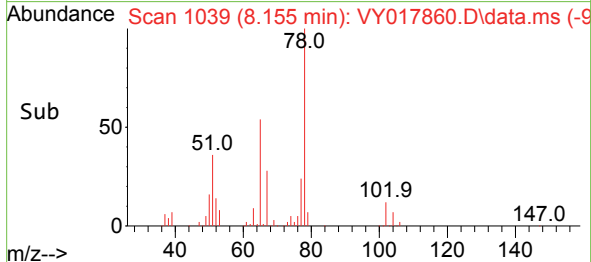
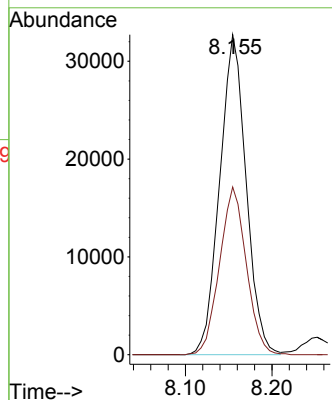
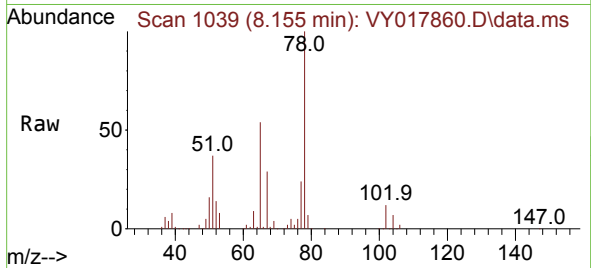




#33  
1,2-Dichloroethane-d4  
Concen: 50.090 ug/l  
RT: 8.155 min Scan# 1037  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

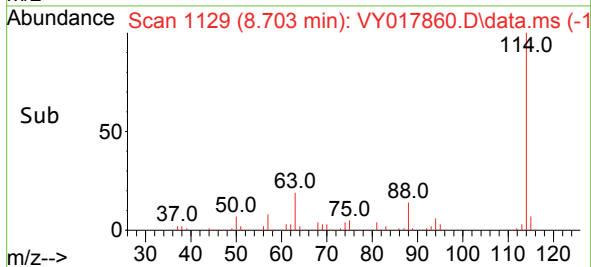
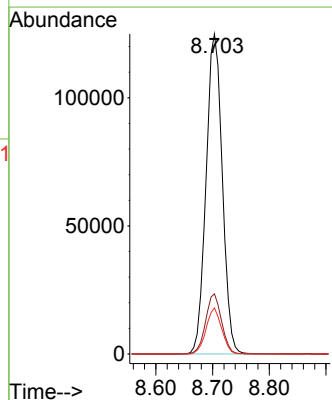
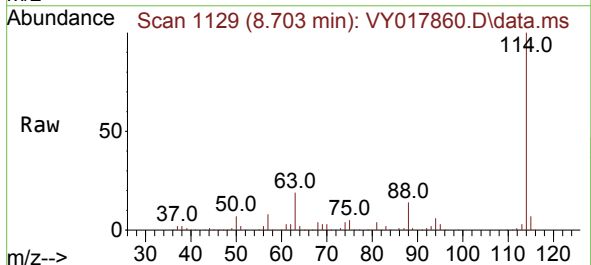
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

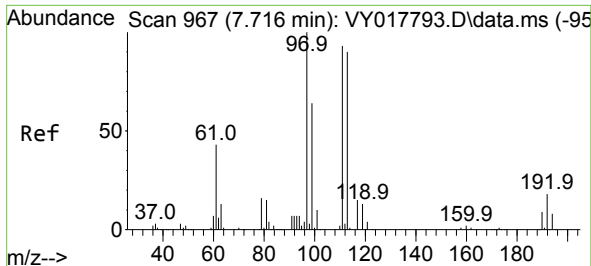
Tgt Ion: 65 Resp: 69371  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 109.6



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.703 min Scan# 1129  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion:114 Resp: 248175  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 35.0  
88 14.4 0.0 27.2

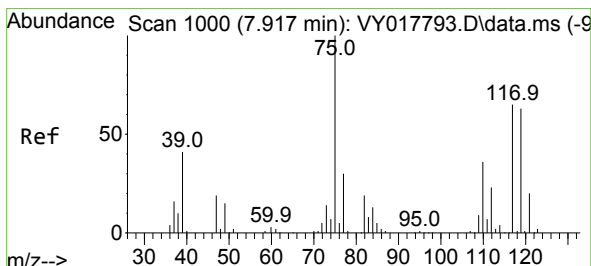
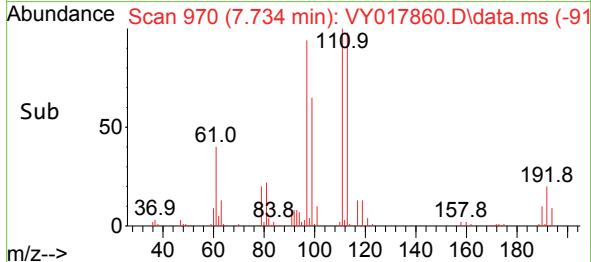
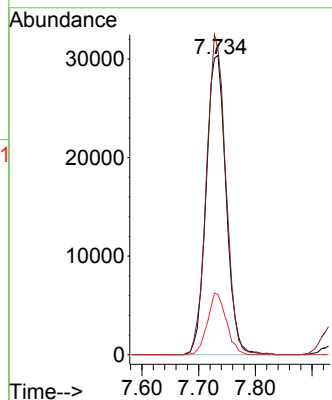
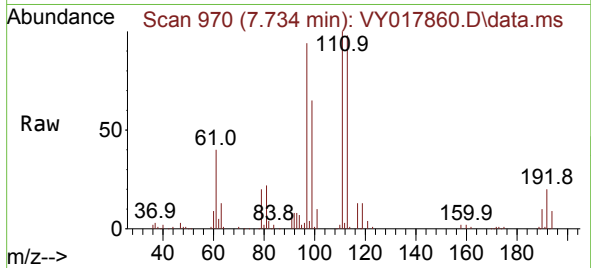




#35  
Dibromofluoromethane  
Concen: 51.564 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

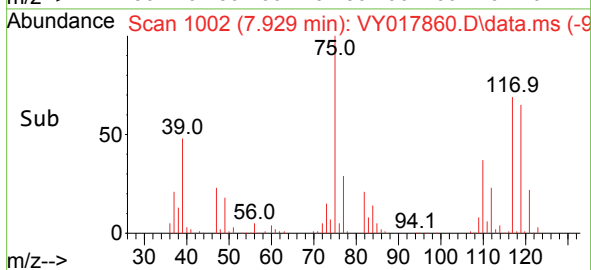
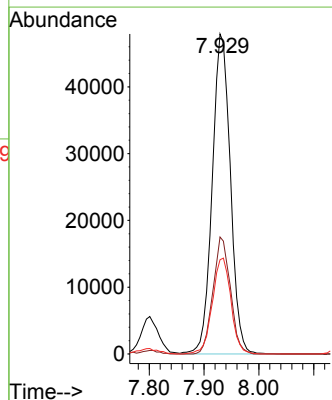
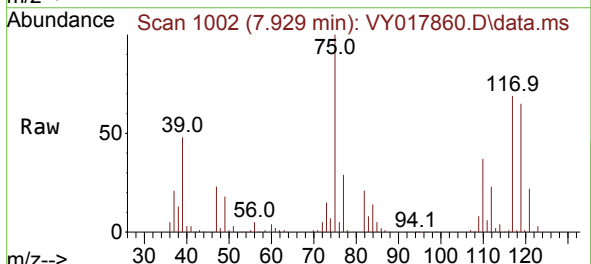
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

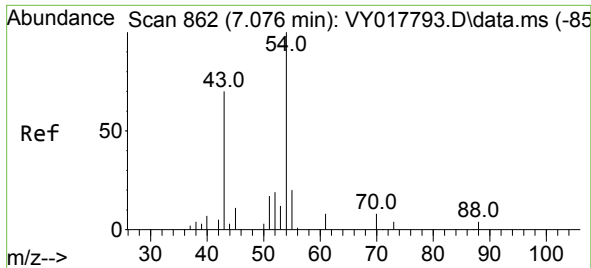
Tgt Ion:113 Resp: 73946  
Ion Ratio Lower Upper  
113 100  
111 104.2 82.2 123.4  
192 19.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 52.639 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 75 Resp: 110142  
Ion Ratio Lower Upper  
75 100  
110 34.9 19.0 57.0  
77 30.6 25.3 37.9

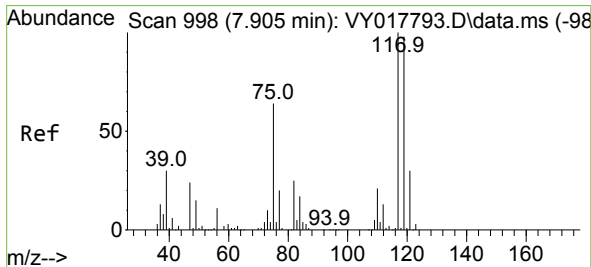
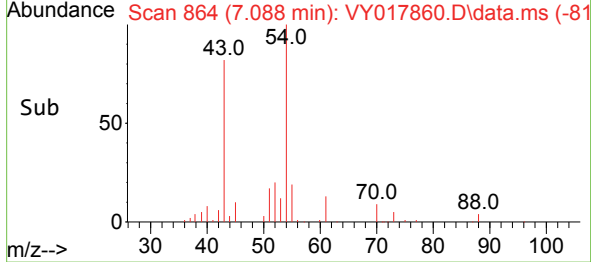
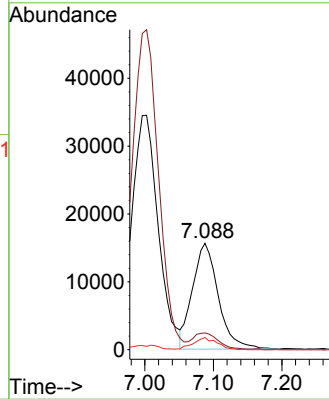
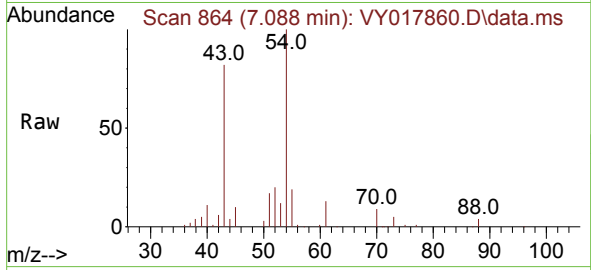




#37  
Ethyl Acetate  
Concen: 45.193 ug/l  
RT: 7.088 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

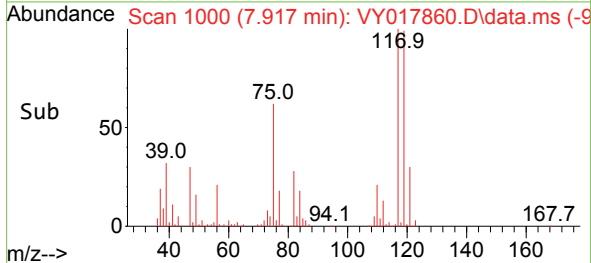
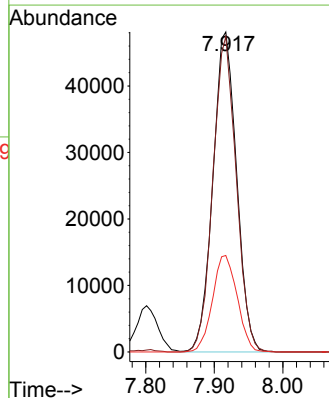
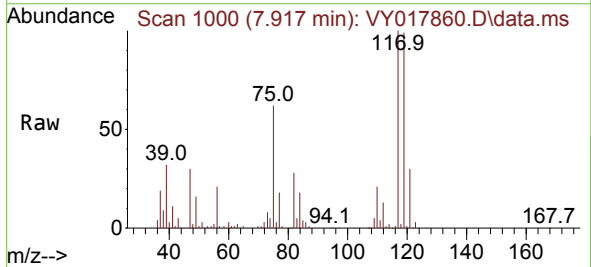
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

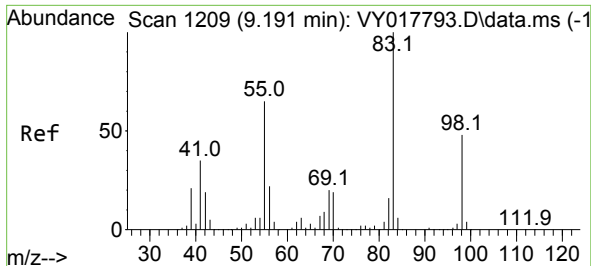
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 40808 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 15.6     | 12.6 19.0   |
| 70 10.5     | 7.8 11.8    |



#38  
Carbon Tetrachloride  
Concen: 53.217 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:117 | Resp: | 115596 |
| Ion | Ratio   | Lower | Upper  |
| 117 | 100     |       |        |
| 119 | 98.6    | 75.8  | 113.6  |
| 121 | 30.1    | 24.0  | 36.0   |





#39

Methylcyclohexane

Concen: 51.694 ug/l

RT: 9.197 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

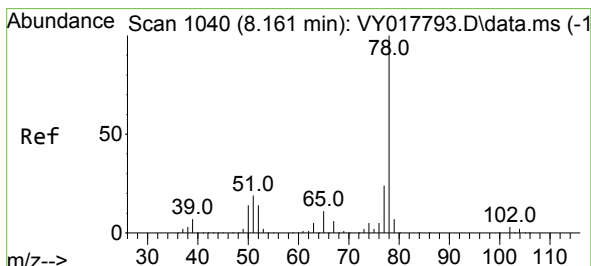
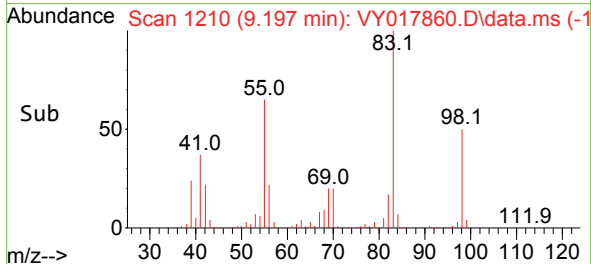
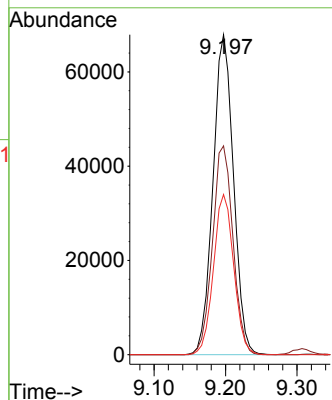
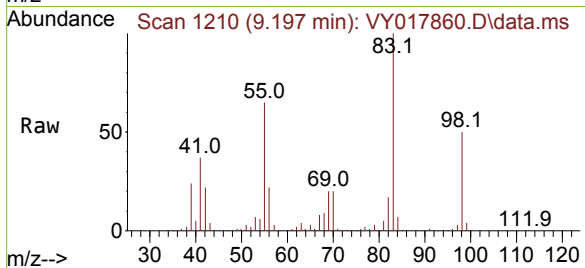
Tgt Ion: 83 Resp: 135111

Ion Ratio Lower Upper

83 100

55 65.3 51.5 77.3

98 50.1 40.5 60.7



#40

Benzene

Concen: 51.854 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY017860.D

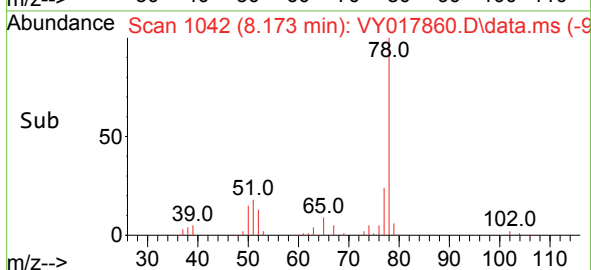
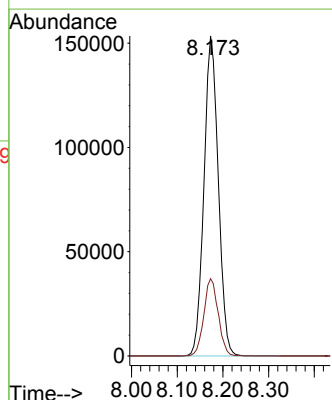
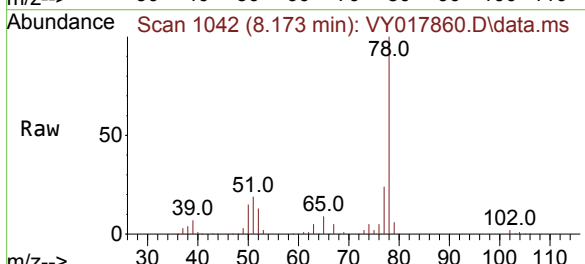
Acq: 05 Apr 2024 10:20

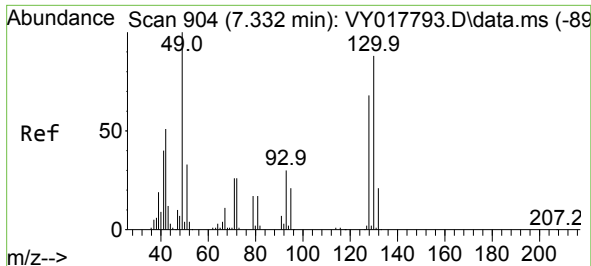
Tgt Ion: 78 Resp: 334373

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3

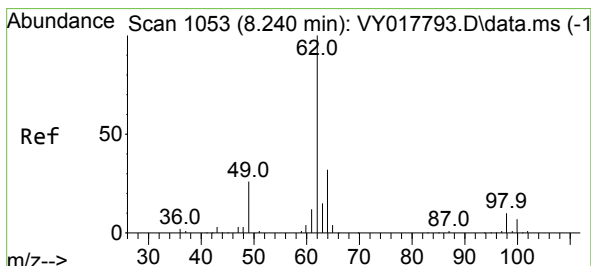
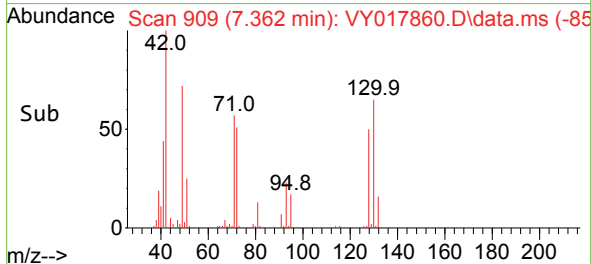
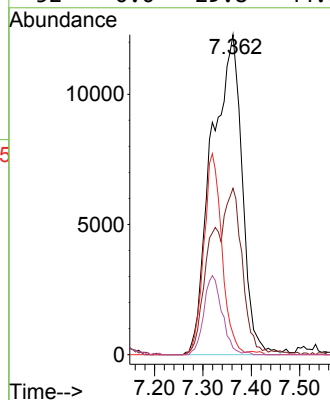
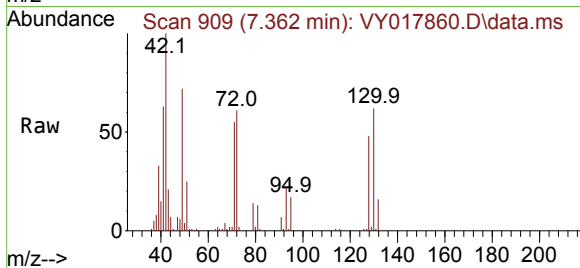




#41  
Methacrylonitrile  
Concen: 90.032 ug/l  
RT: 7.362 min Scan# 904  
Delta R.T. 0.030 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

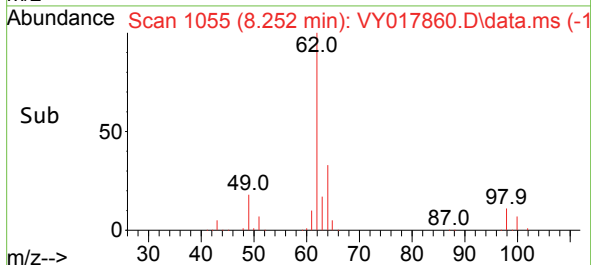
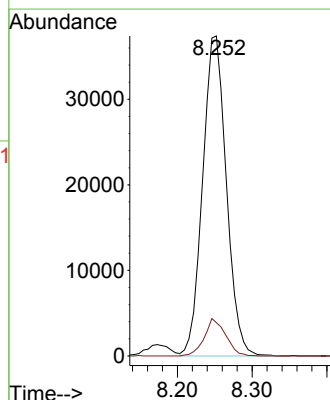
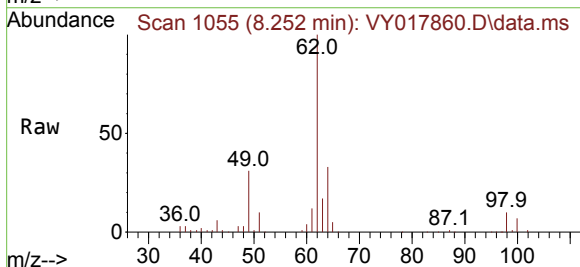
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

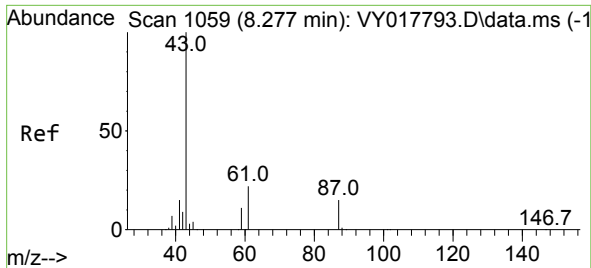
Tgt Ion: 41 Resp: 53626  
Ion Ratio Lower Upper  
41 100  
39 29.5 48.0 72.0#  
67 0.0 75.1 112.7#  
52 0.0 29.8 44.6#



#42  
1,2-Dichloroethane  
Concen: 51.951 ug/l  
RT: 8.252 min Scan# 1055  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 62 Resp: 82454  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 22.0

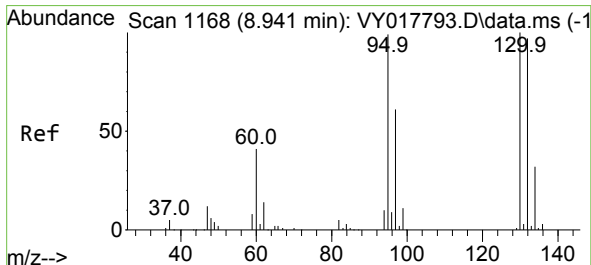
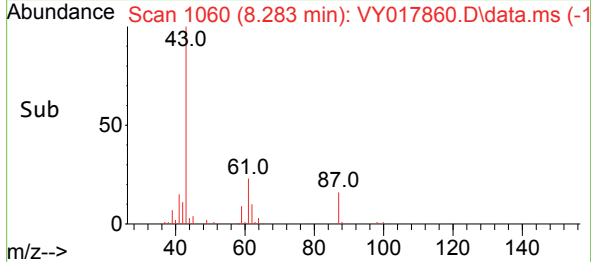
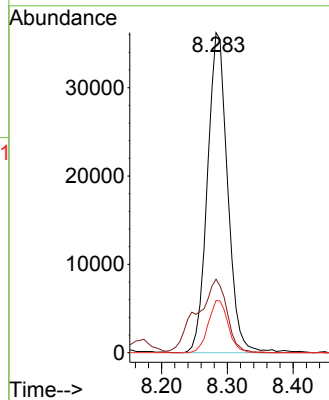
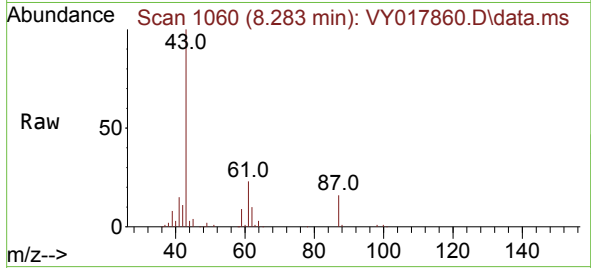




#43  
Isopropyl Acetate  
Concen: 47.082 ug/l  
RT: 8.283 min Scan# 11060  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

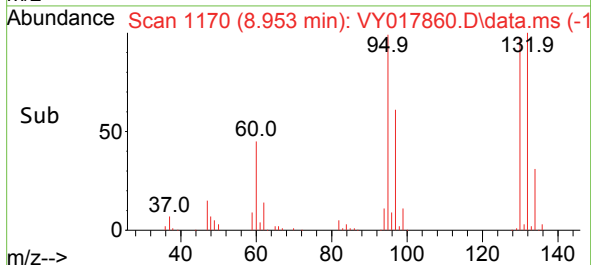
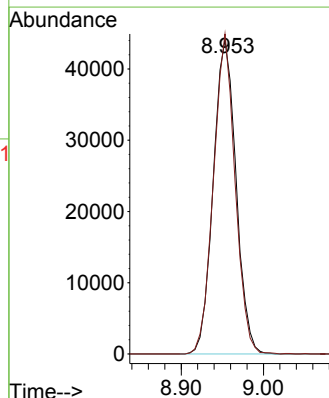
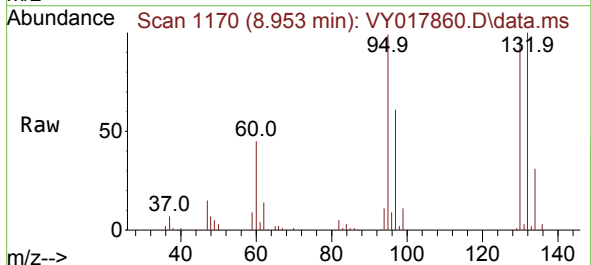
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

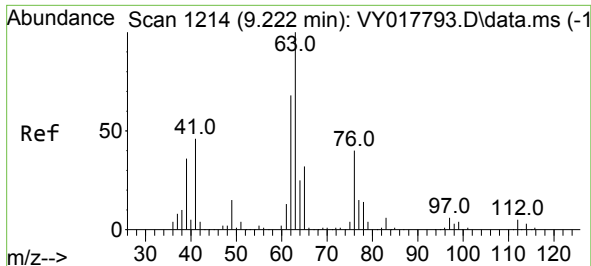
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 77153 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 34.1  | 27.9  | 41.9  |
| 87       | 16.1  | 13.1  | 19.7  |



#44  
Trichloroethene  
Concen: 50.488 ug/l  
RT: 8.953 min Scan# 1170  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 84704 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.0 | 0.0   | 188.0 |





#45

1,2-Dichloropropane

Concen: 50.981 ug/l

RT: 9.228 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

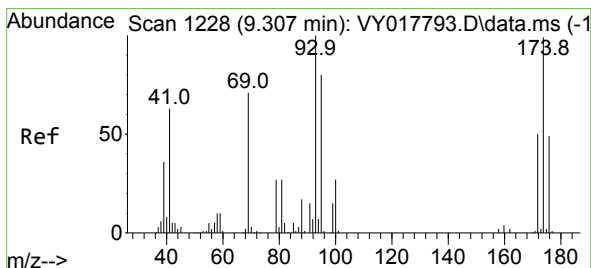
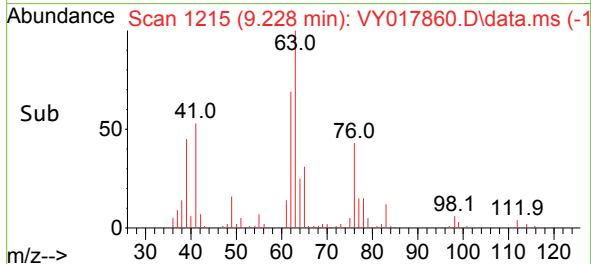
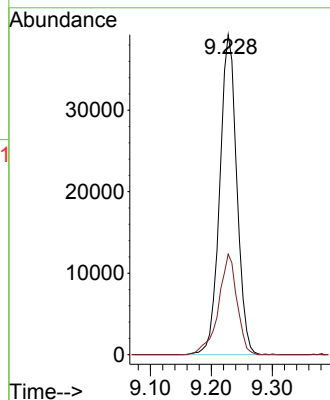
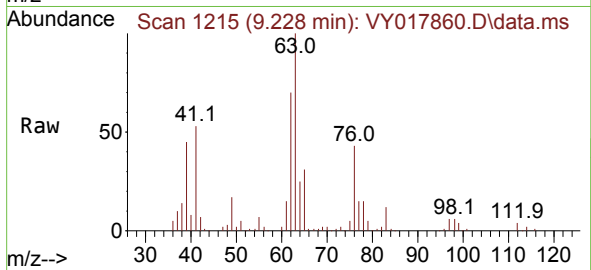
VSTDCCC050

Tgt Ion: 63 Resp: 76390

Ion Ratio Lower Upper

63 100

65 31.4 25.4 38.2



#46

Dibromomethane

Concen: 51.601 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.012 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

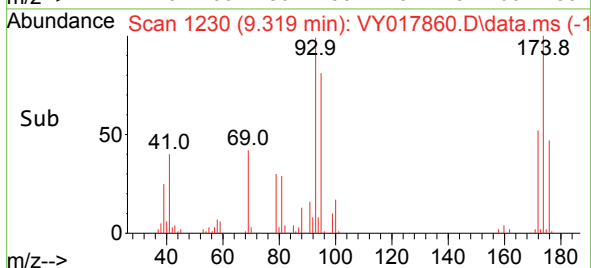
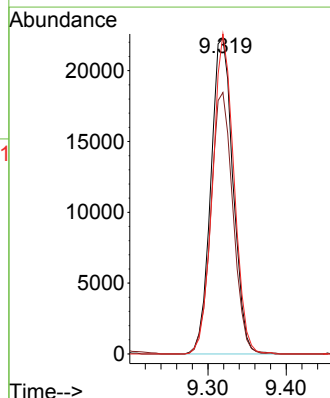
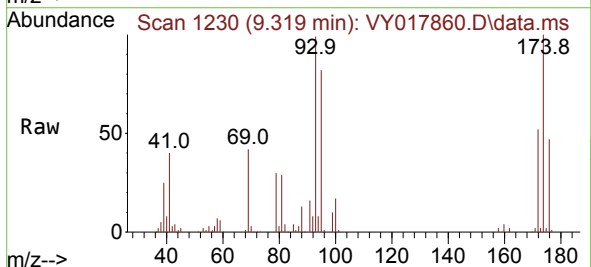
Tgt Ion: 93 Resp: 43928

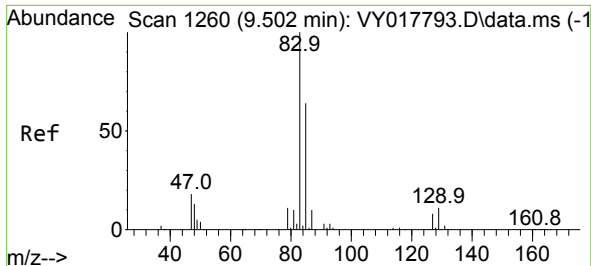
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

174 97.5 80.9 121.3

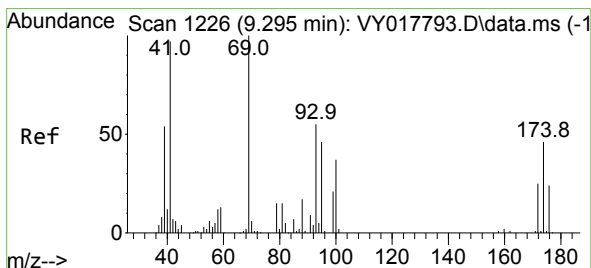
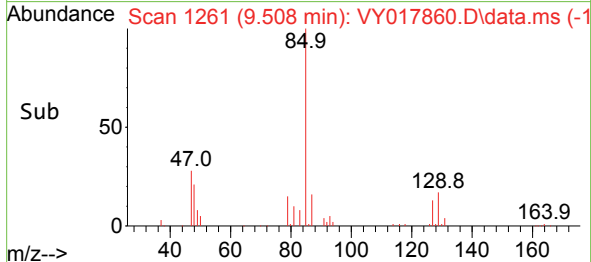
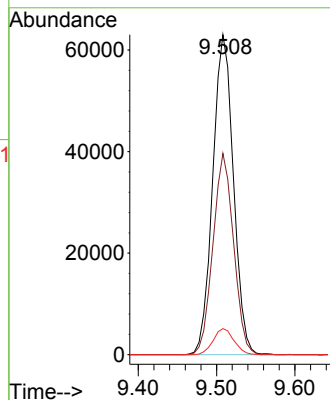
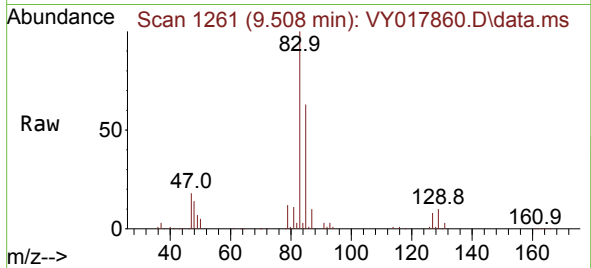




#47  
Bromodichloromethane  
Concen: 53.755 ug/l  
RT: 9.508 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

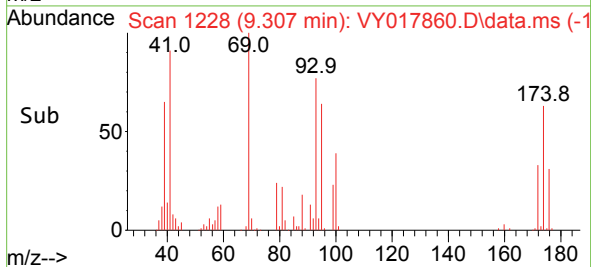
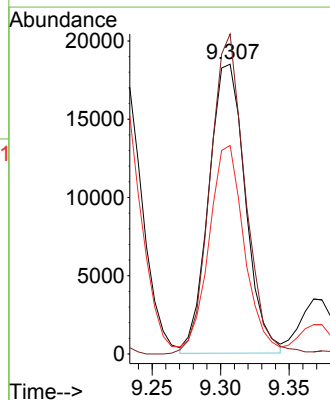
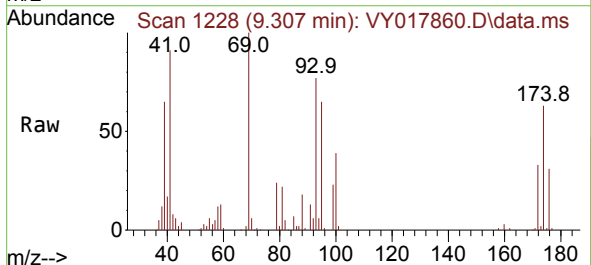
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

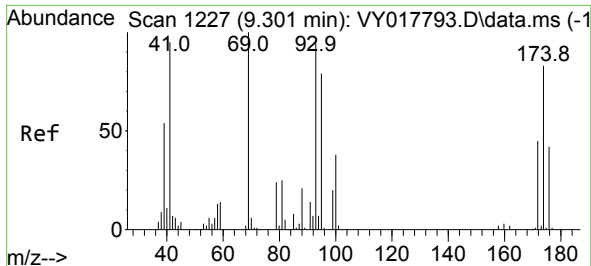
Tgt Ion: 83 Resp: 115629  
Ion Ratio Lower Upper  
83 100  
85 62.9 50.1 75.1  
127 8.1 7.4 11.0



#48  
Methyl methacrylate  
Concen: 49.477 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 41 Resp: 34335  
Ion Ratio Lower Upper  
41 100  
69 105.4 84.1 126.1  
39 65.3 43.6 65.4





#49

1,4-Dioxane

Concen: 887.858 ug/l

RT: 9.313 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

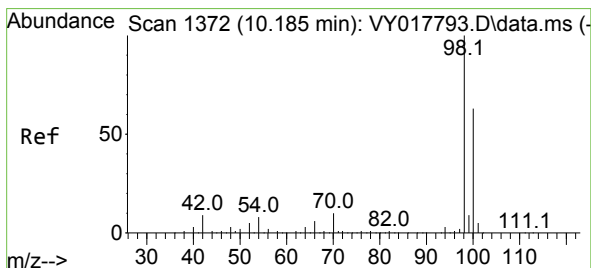
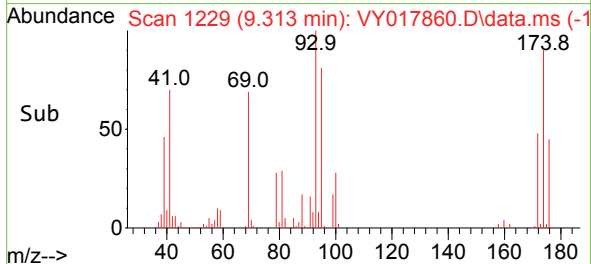
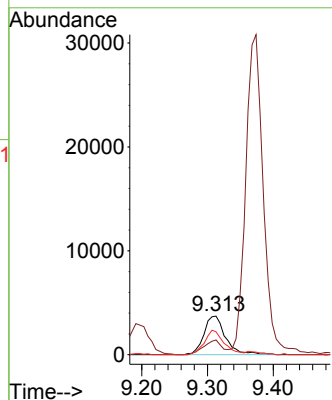
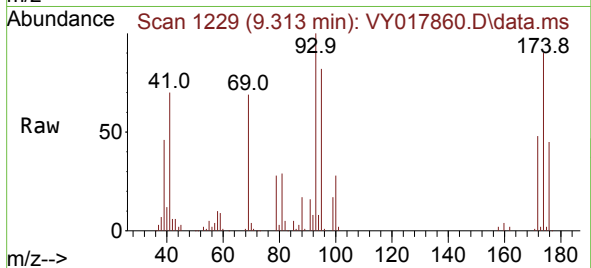
Tgt Ion: 88 Resp: 8485

Ion Ratio Lower Upper

88 100

43 32.4 0.0 0.0#

58 57.5 49.3 73.9



#50

Toluene-d8

Concen: 51.622 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.006 min

Lab File: VY017860.D

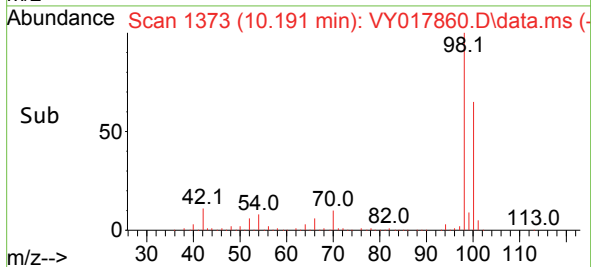
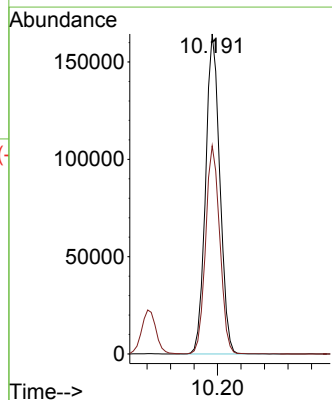
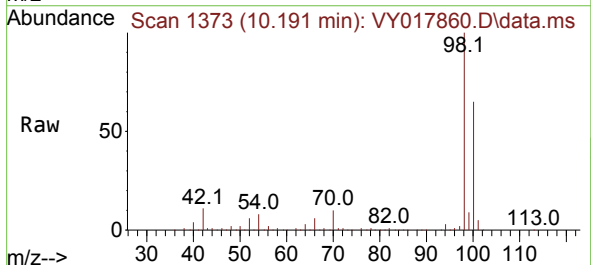
Acq: 05 Apr 2024 10:20

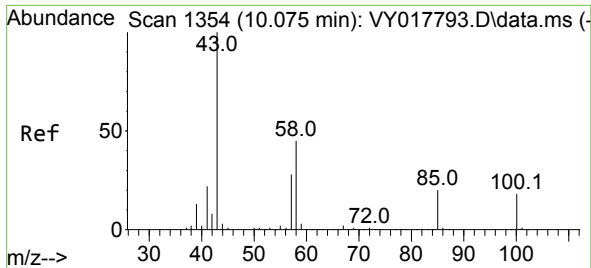
Tgt Ion: 98 Resp: 276532

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0

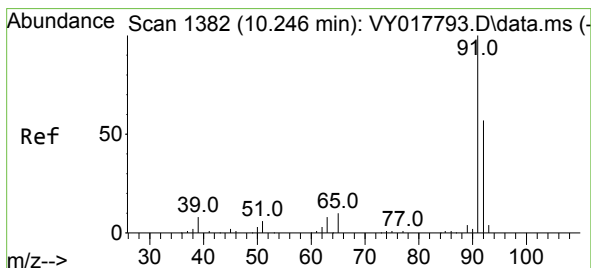
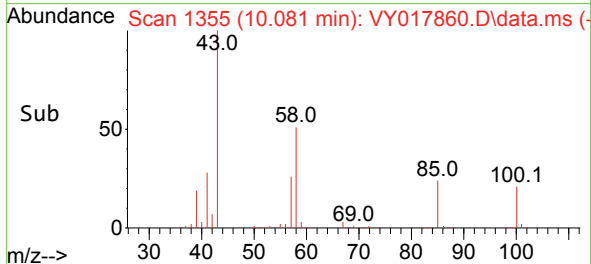
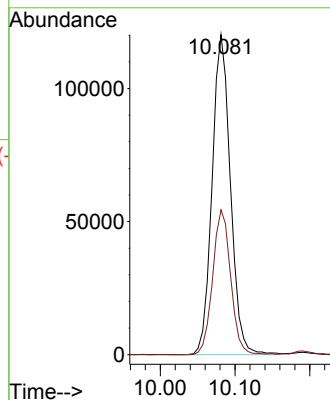
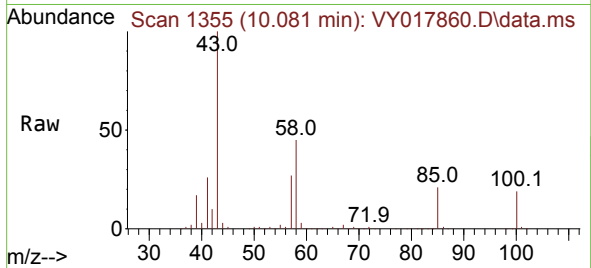




#51  
4-Methyl-2-Pentanone  
Concen: 252.669 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

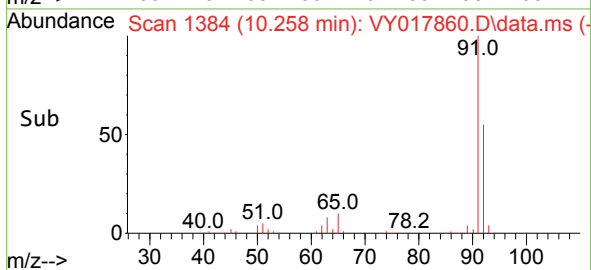
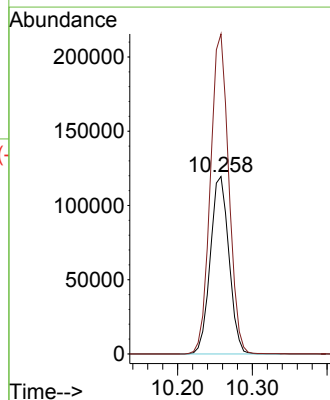
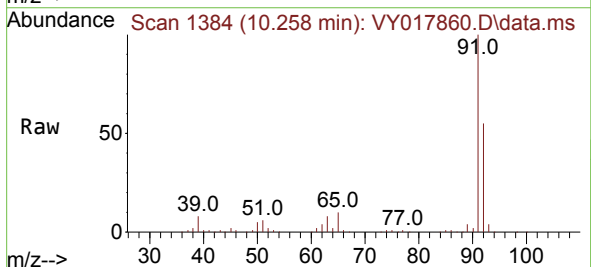
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

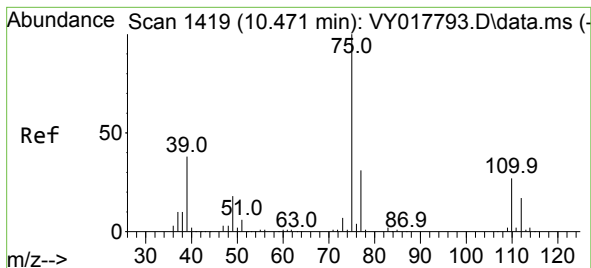
Tgt Ion: 43 Resp: 205292  
Ion Ratio Lower Upper  
43 100  
58 44.5 35.7 53.5



#52  
Toluene  
Concen: 52.771 ug/l  
RT: 10.258 min Scan# 1384  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 92 Resp: 206406  
Ion Ratio Lower Upper  
92 100  
91 178.0 139.0 208.6

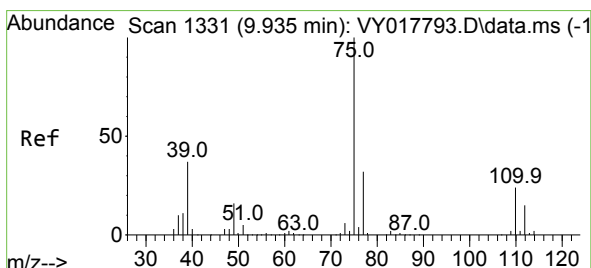
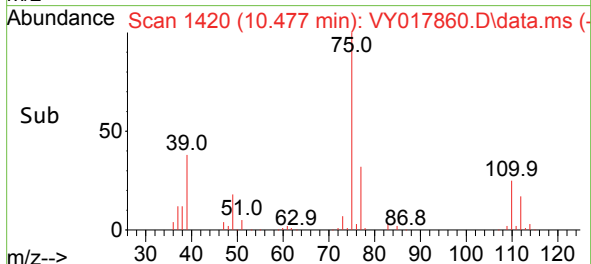
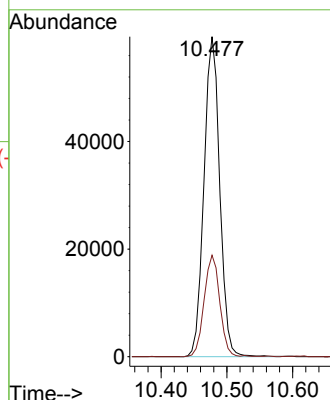
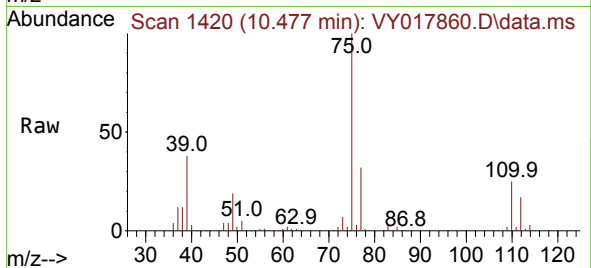




#53  
 t-1,3-Dichloropropene  
 Concen: 51.919 ug/l  
 RT: 10.477 min Scan# 1419  
 Delta R.T. 0.006 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

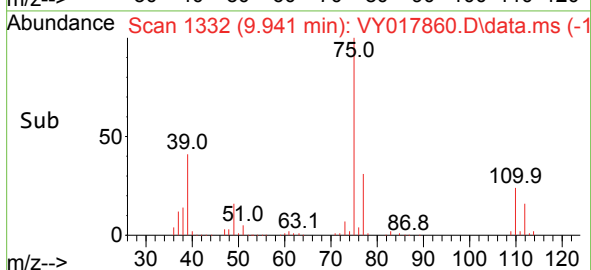
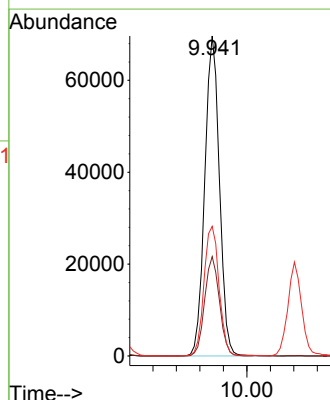
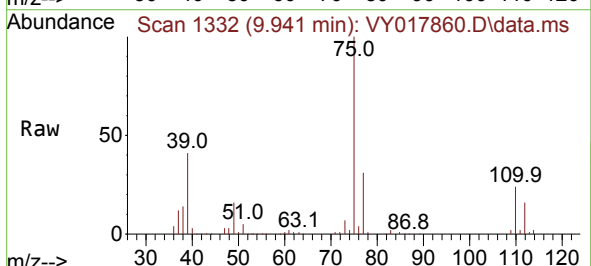
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

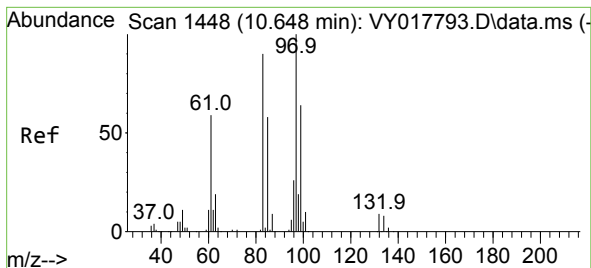
Tgt Ion: 75 Resp: 99160  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 24.1 36.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 51.855 ug/l  
 RT: 9.941 min Scan# 1332  
 Delta R.T. 0.006 min  
 Lab File: VY017860.D  
 Acq: 05 Apr 2024 10:20

Tgt Ion: 75 Resp: 120874  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.4 38.0  
 39 40.5 29.8 44.6





#55

1,1,2-Trichloroethane

Concen: 51.335 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 58231

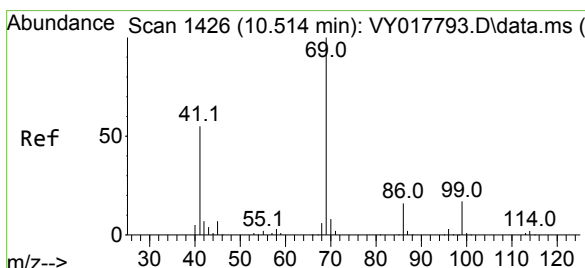
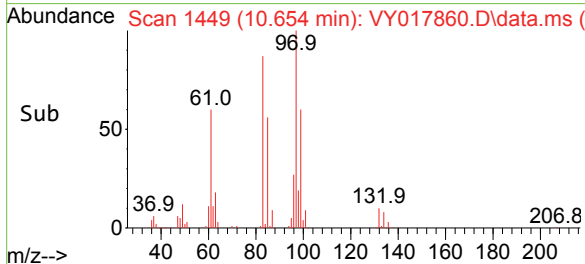
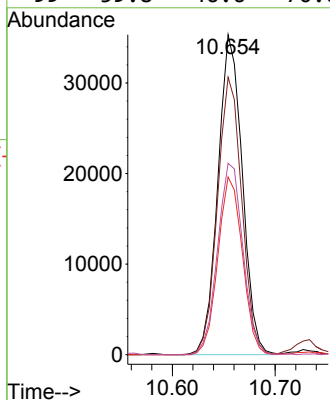
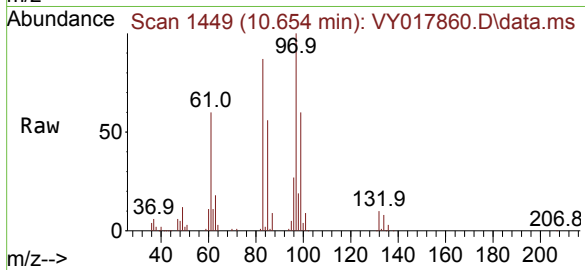
Ion Ratio Lower Upper

97 100

83 86.7 67.5 101.3

85 55.6 42.9 64.3

99 59.8 46.6 70.0



#56

Ethyl methacrylate

Concen: 51.389 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

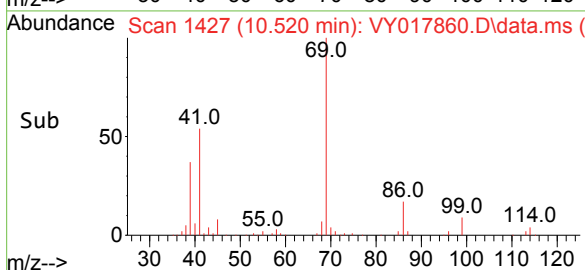
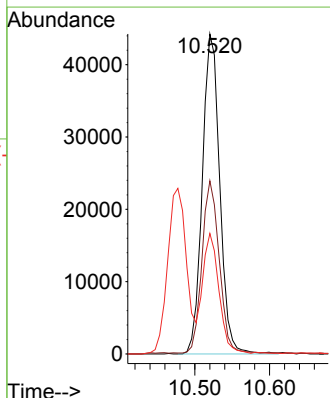
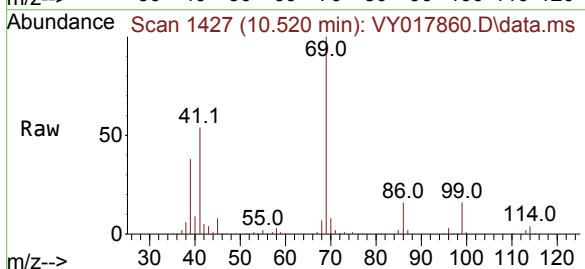
Tgt Ion: 69 Resp: 71852

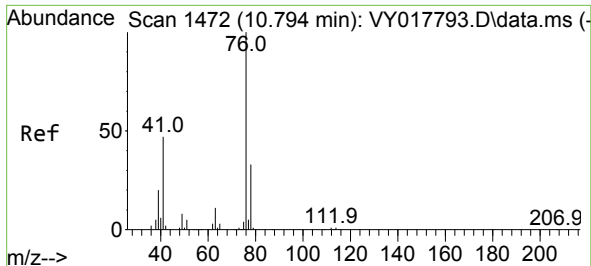
Ion Ratio Lower Upper

69 100

41 52.9 42.3 63.5

39 34.8 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 50.697 ug/l

RT: 10.800 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

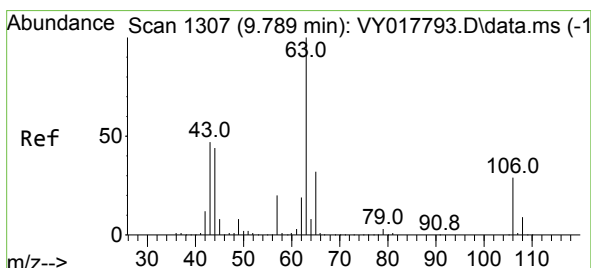
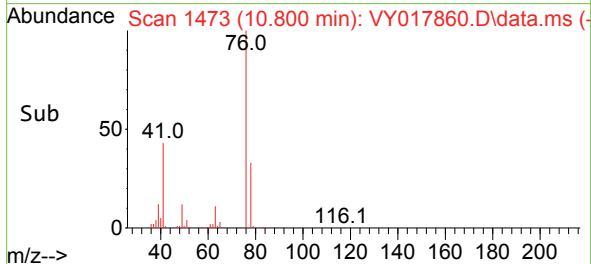
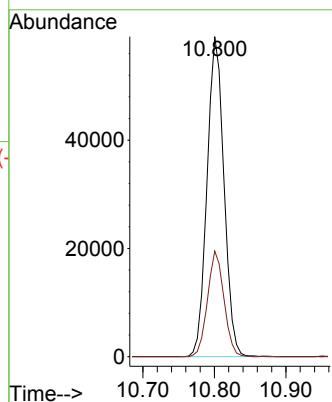
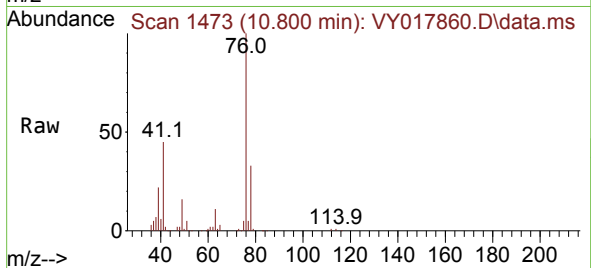
VSTDCCC050

Tgt Ion: 76 Resp: 97262

Ion Ratio Lower Upper

76 100

78 32.1 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 265.005 ug/l

RT: 9.795 min Scan# 1308

Delta R.T. 0.006 min

Lab File: VY017860.D

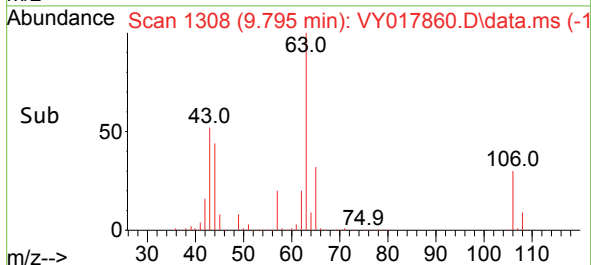
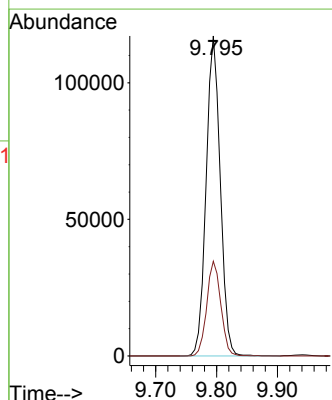
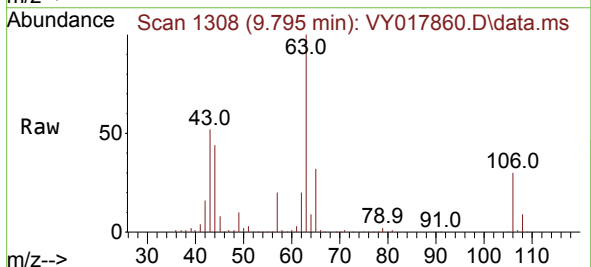
Acq: 05 Apr 2024 10:20

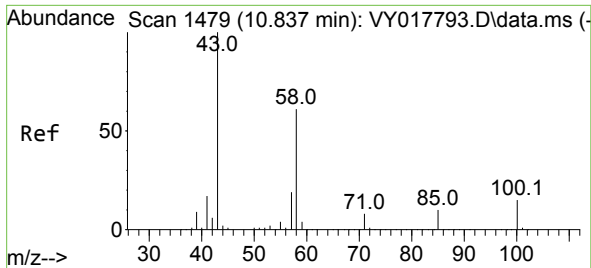
Tgt Ion: 63 Resp: 188640

Ion Ratio Lower Upper

63 100

106 29.5 23.7 35.5

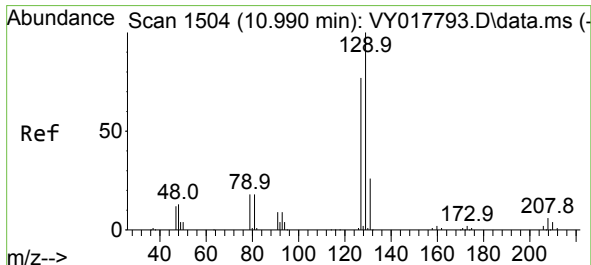
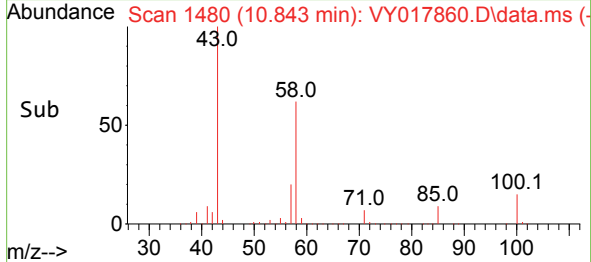
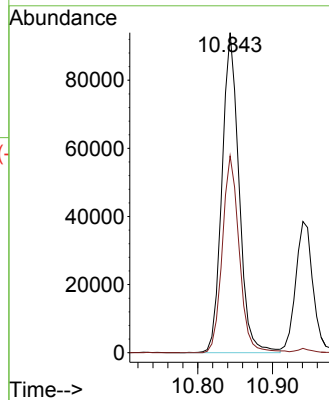
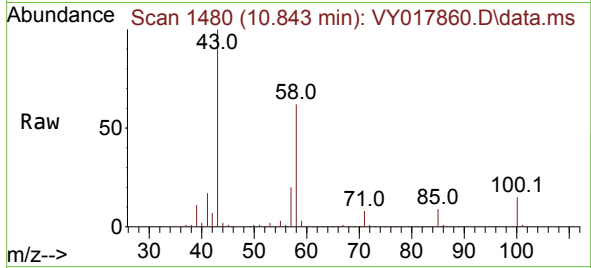




#59  
2-Hexanone  
Concen: 256.534 ug/l  
RT: 10.843 min Scan# 1479  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

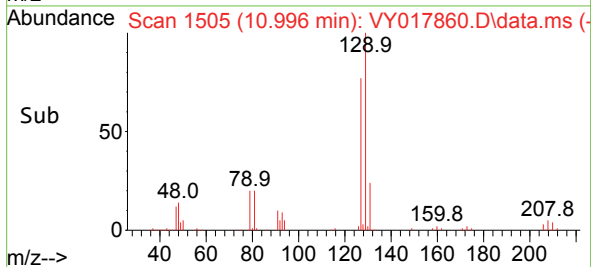
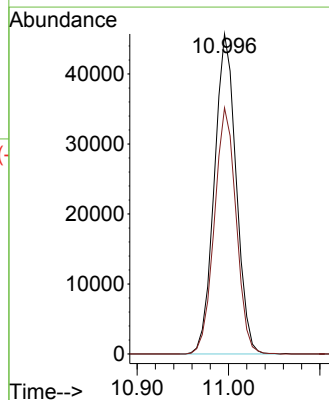
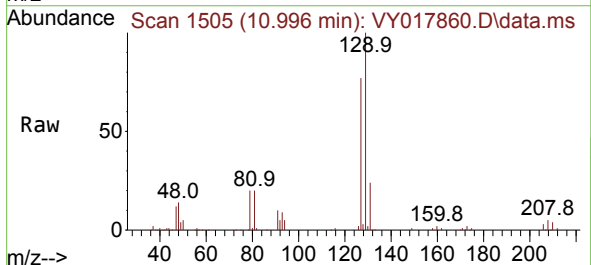
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

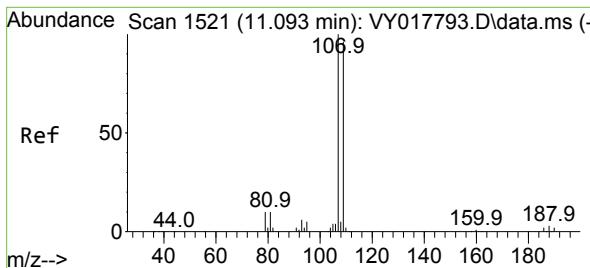
Tgt Ion: 43 Resp: 148729  
Ion Ratio Lower Upper  
43 100  
58 61.1 31.4 94.0



#60  
Dibromochloromethane  
Concen: 52.898 ug/l  
RT: 10.996 min Scan# 1505  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 129 Resp: 75680  
Ion Ratio Lower Upper  
129 100  
127 76.8 39.0 117.0

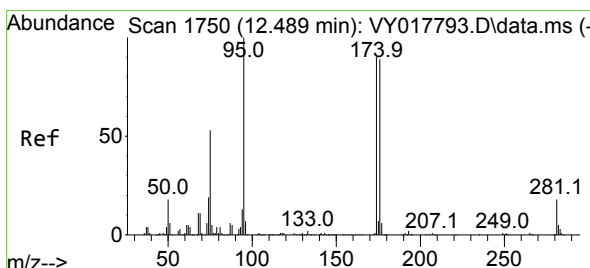
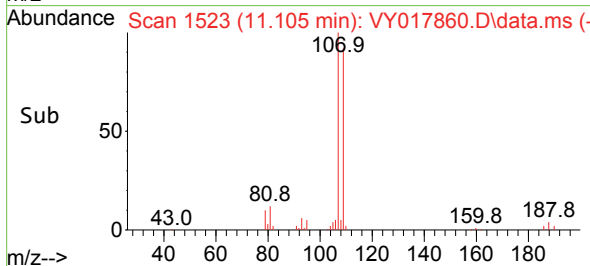
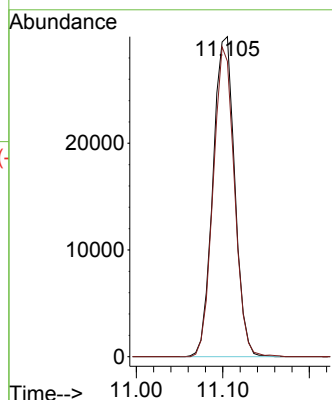
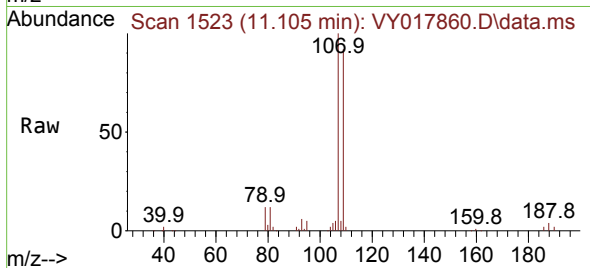




#61  
1,2-Dibromoethane  
Concen: 50.628 ug/l  
RT: 11.105 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

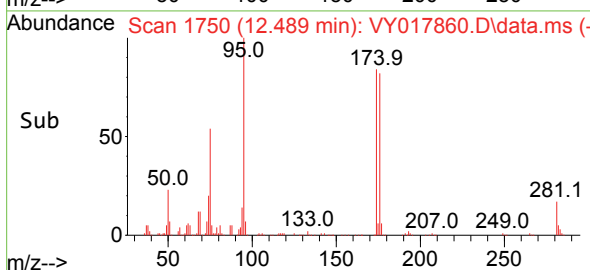
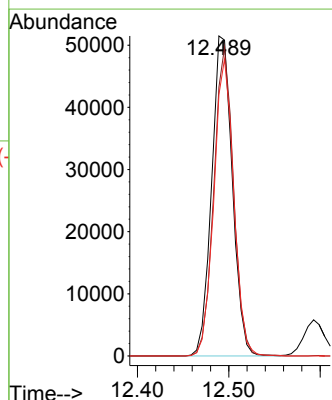
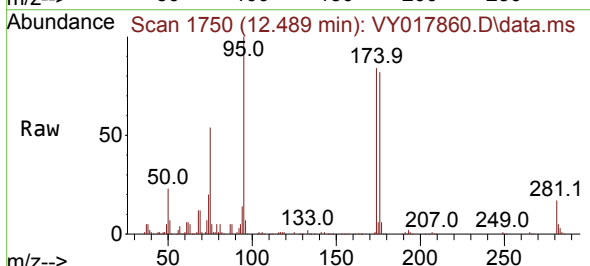
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

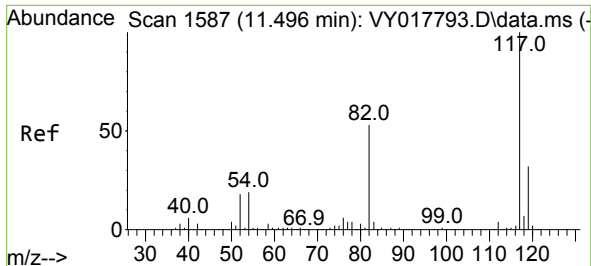
Tgt Ion:107 Resp: 52366  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 49.586 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 95 Resp: 80816  
Ion Ratio Lower Upper  
95 100  
174 92.0 0.0 175.6  
176 89.3 0.0 171.4

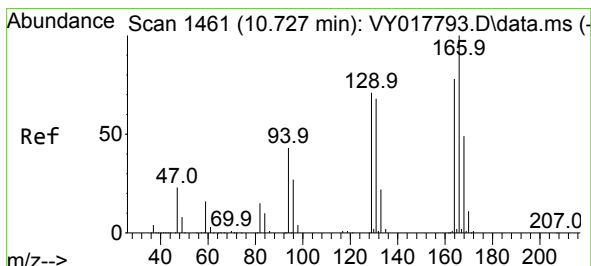
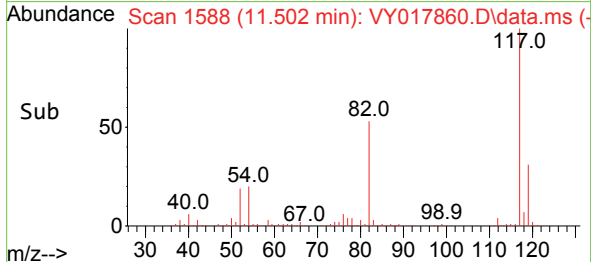
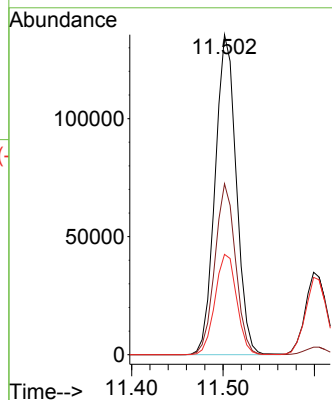
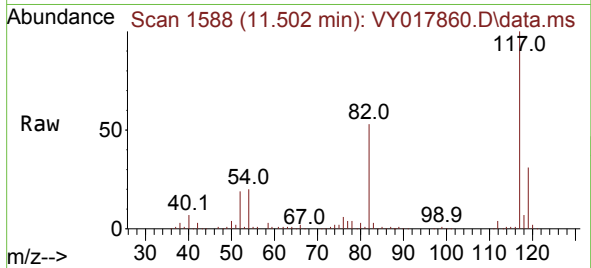




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

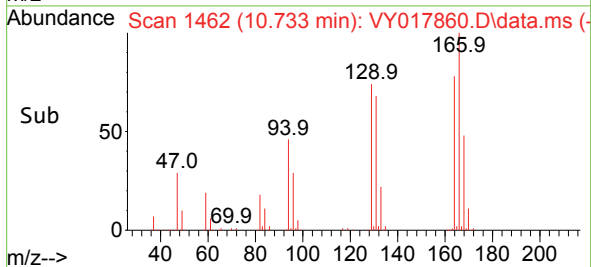
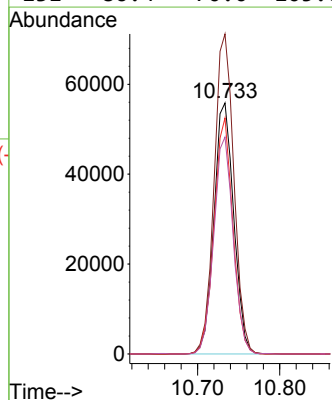
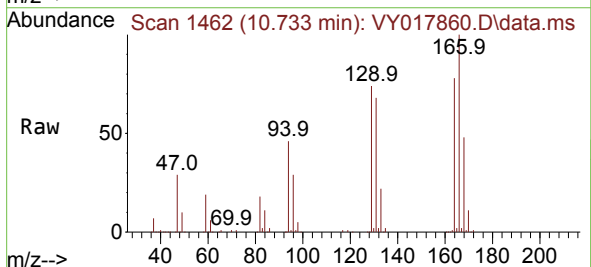
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

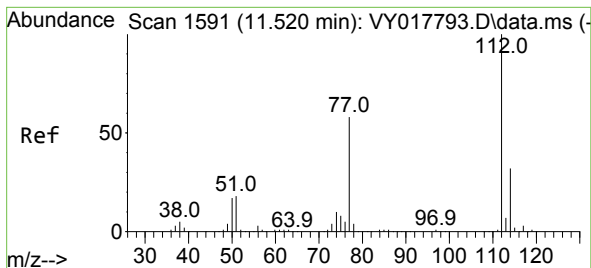
Tgt Ion:117 Resp: 217588  
Ion Ratio Lower Upper  
117 100  
82 53.4 42.4 63.6  
119 31.3 25.9 38.9



#64  
Tetrachloroethene  
Concen: 49.211 ug/l  
RT: 10.733 min Scan# 1462  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion:164 Resp: 93394  
Ion Ratio Lower Upper  
164 100  
166 127.5 102.6 154.0  
129 94.0 72.0 108.0  
131 86.4 70.0 105.0





#65

Chlorobenzene

Concen: 50.948 ug/l

RT: 11.526 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

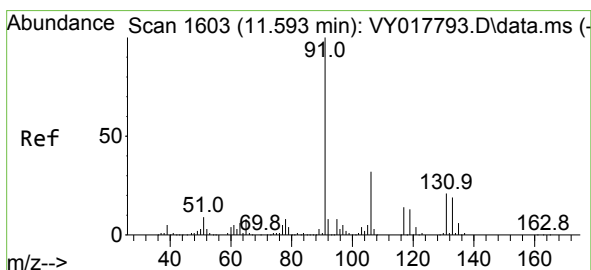
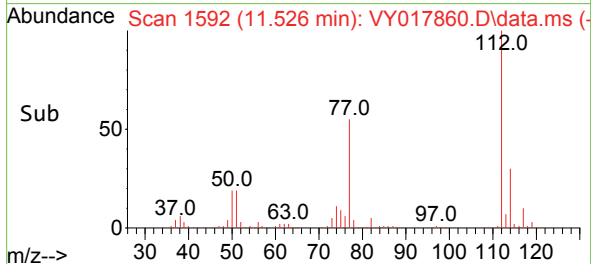
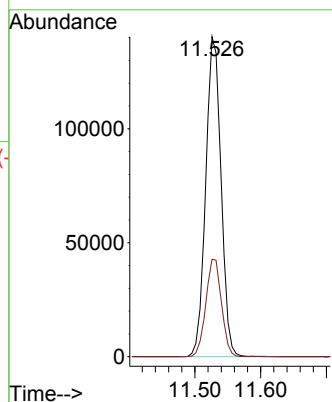
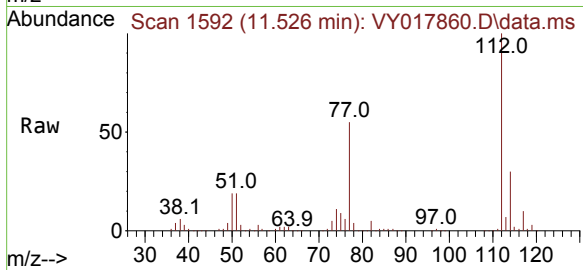
VSTDCCC050

Tgt Ion:112 Resp: 227403

Ion Ratio Lower Upper

112 100

114 30.4 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 52.080 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

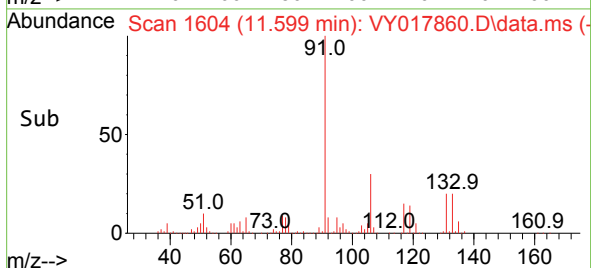
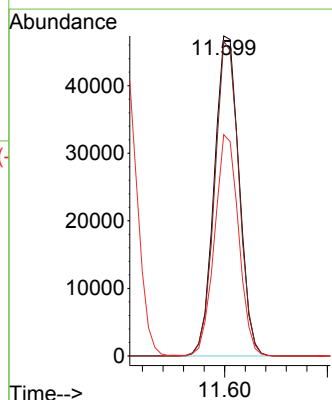
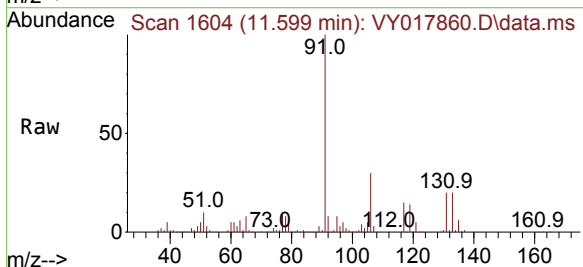
Tgt Ion:131 Resp: 78930

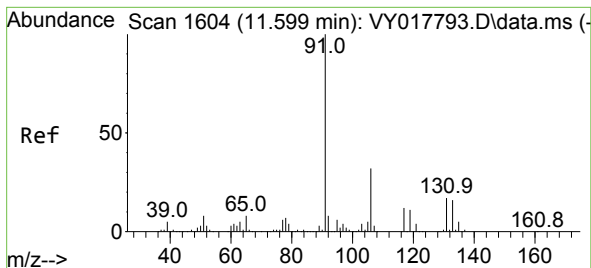
Ion Ratio Lower Upper

131 100

133 96.5 47.8 143.3

119 67.6 34.1 102.2





#67

Ethyl Benzene

Concen: 53.210 ug/l

RT: 11.605 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

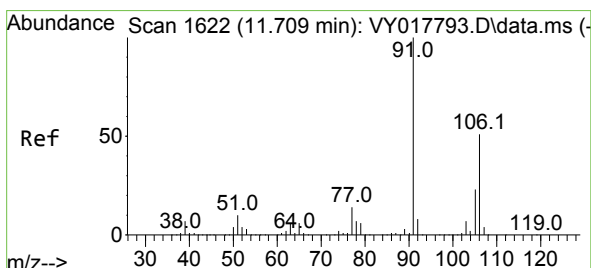
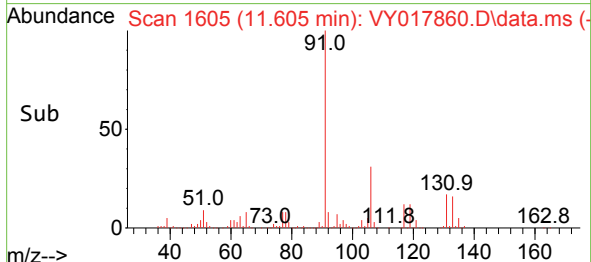
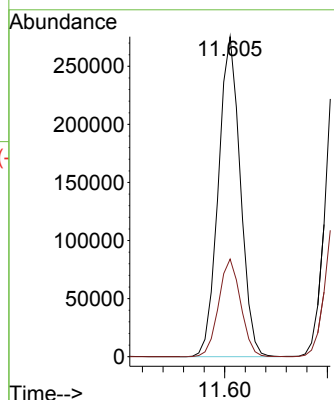
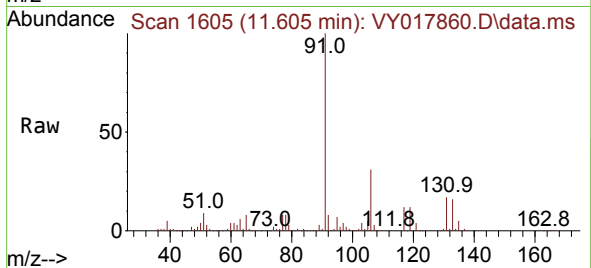
VSTDCCC050

Tgt Ion: 91 Resp: 408282

Ion Ratio Lower Upper

91 100

106 30.5 24.5 36.7



#68

m/p-Xylenes

Concen: 107.258 ug/l

RT: 11.715 min Scan# 1623

Delta R.T. 0.006 min

Lab File: VY017860.D

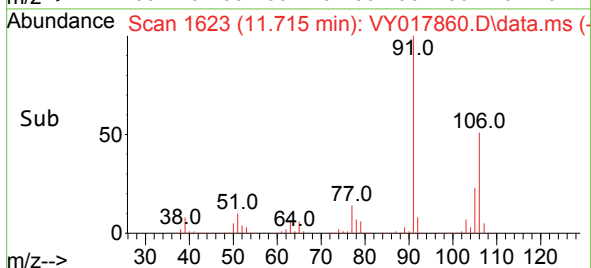
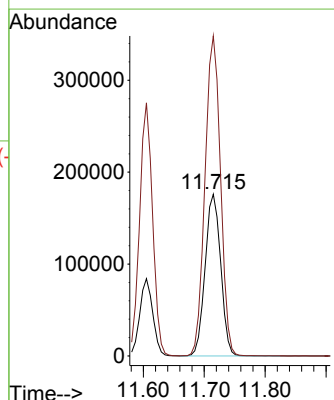
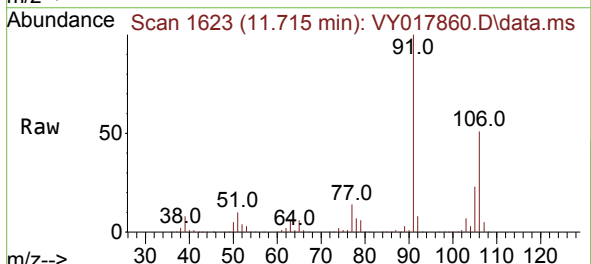
Acq: 05 Apr 2024 10:20

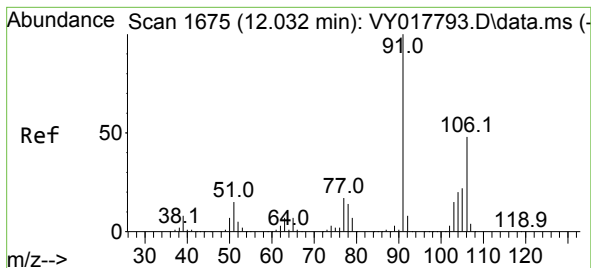
Tgt Ion:106 Resp: 312113

Ion Ratio Lower Upper

106 100

91 197.4 156.0 234.0





#69

o-Xylene

Concen: 58.495 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

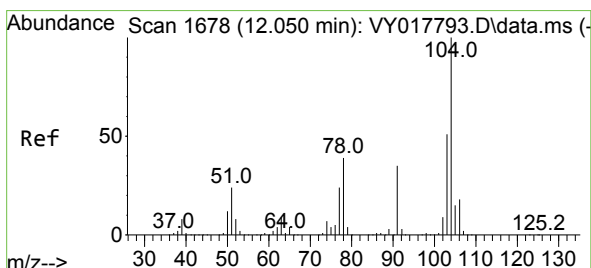
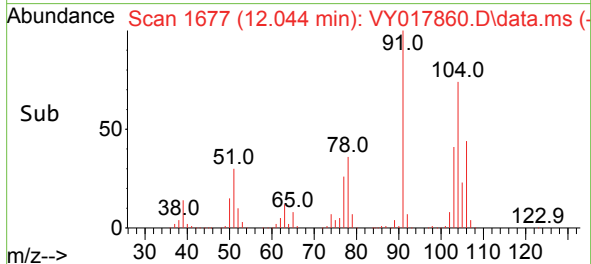
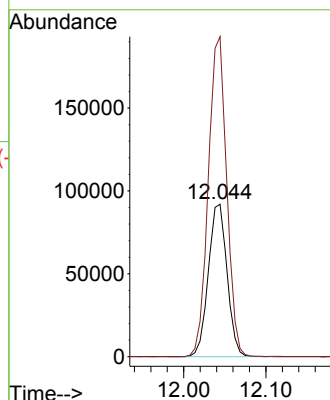
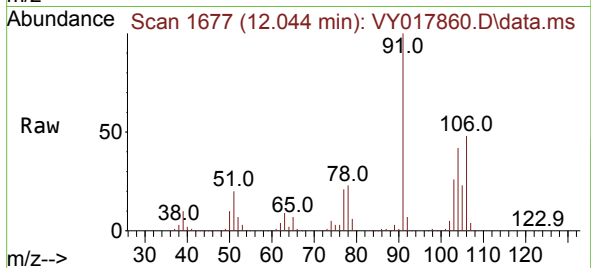
VSTDCCC050

Tgt Ion:106 Resp: 145342

Ion Ratio Lower Upper

106 100

91 206.3 103.6 310.8



#70

Styrene

Concen: 57.207 ug/l

RT: 12.056 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

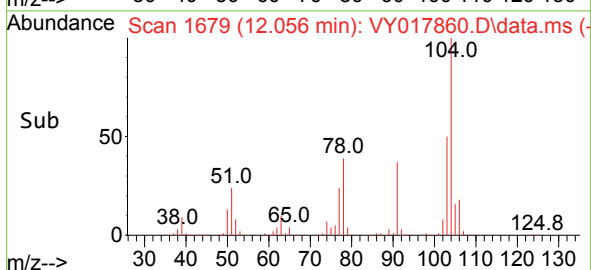
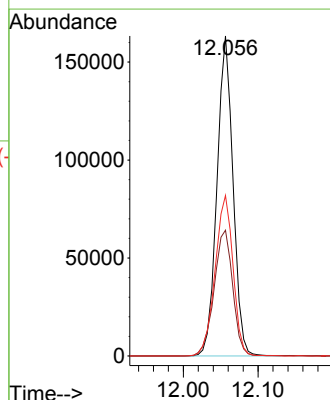
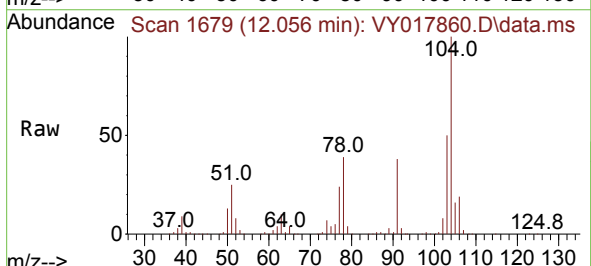
Tgt Ion:104 Resp: 243833

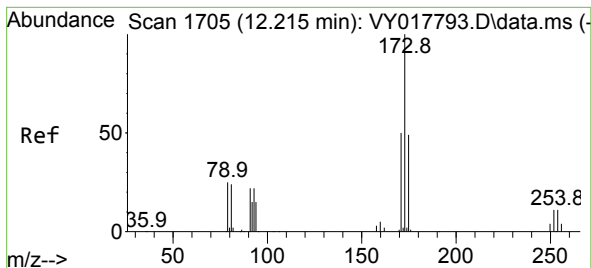
Ion Ratio Lower Upper

104 100

78 45.8 37.0 55.4

103 56.1 44.2 66.2





#71

Bromoform

Concen: 49.125 ug/l

RT: 12.221 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

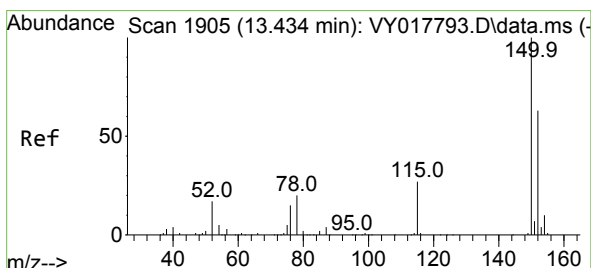
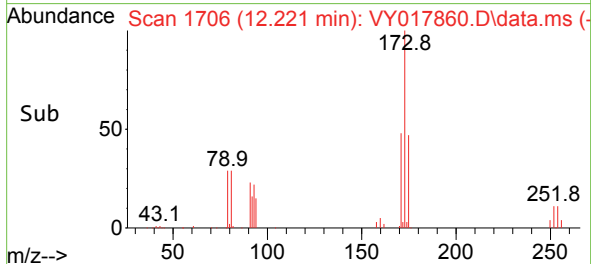
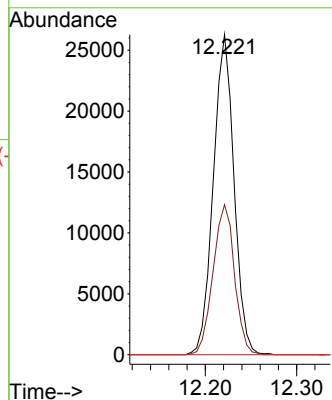
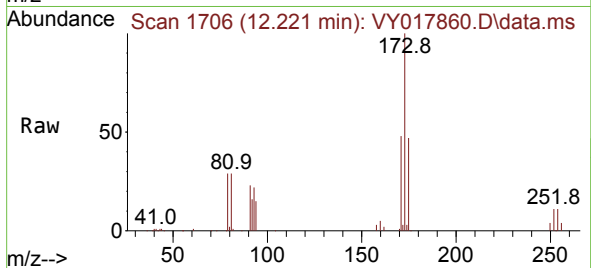
Tgt Ion:173 Resp: 41269

Ion Ratio Lower Upper

173 100

175 48.6 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

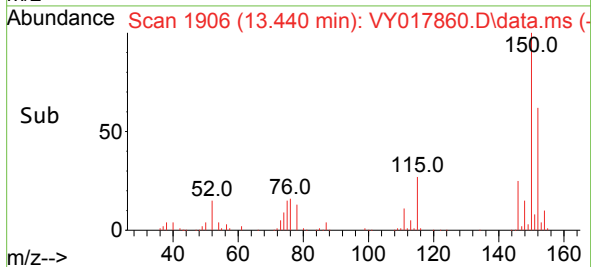
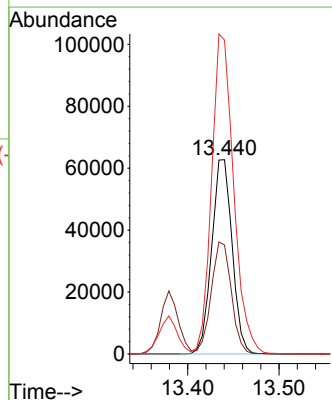
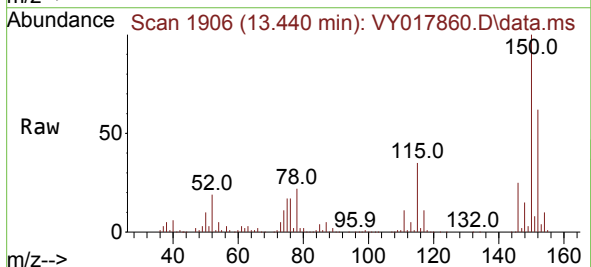
Tgt Ion:152 Resp: 97765

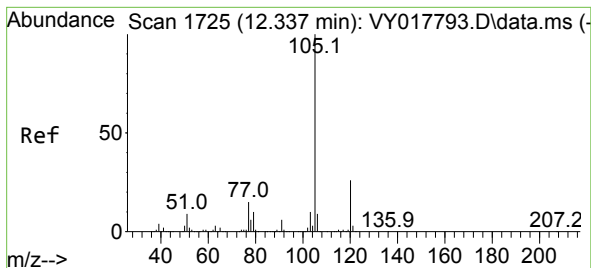
Ion Ratio Lower Upper

152 100

115 56.7 28.2 84.7

150 176.9 0.0 345.6





#73

Isopropylbenzene

Concen: 55.918 ug/l

RT: 12.343 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

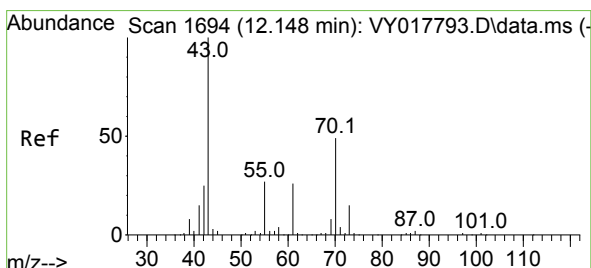
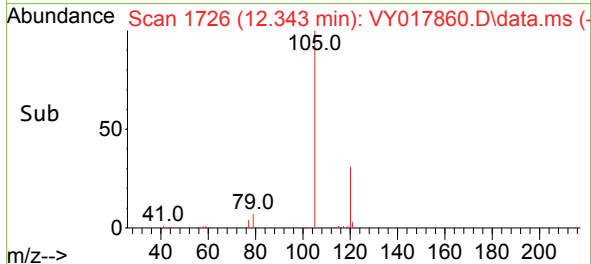
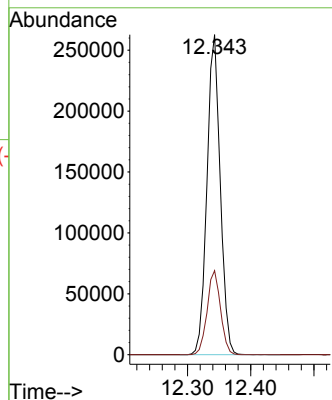
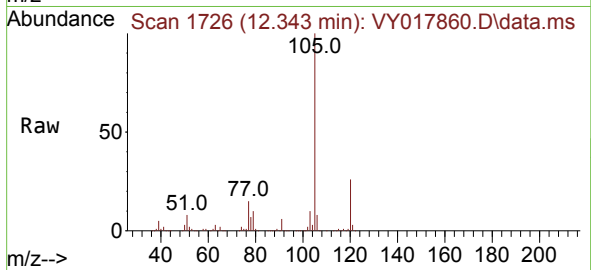
VSTDCCC050

Tgt Ion:105 Resp: 383111

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1



#74

N-ethyl acetate

Concen: 49.937 ug/l

RT: 12.154 min Scan# 1695

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Tgt Ion: 43 Resp: 64523

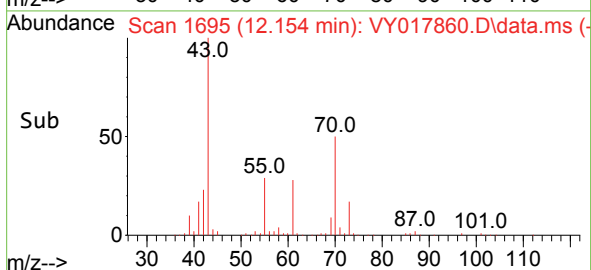
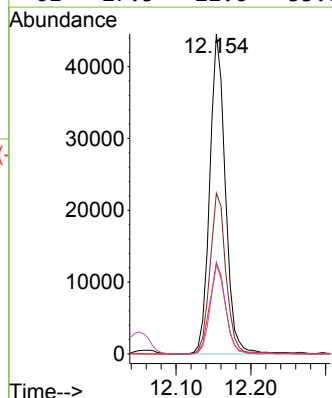
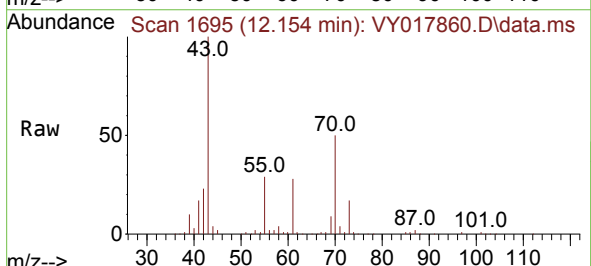
Ion Ratio Lower Upper

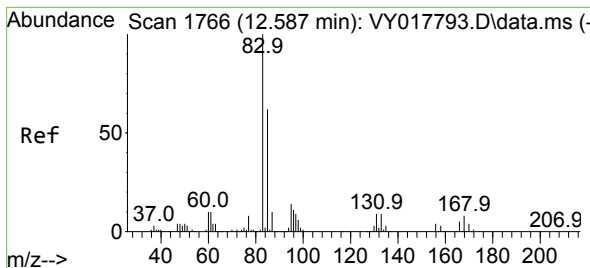
43 100

70 51.5 41.4 62.2

55 29.1 23.3 34.9

61 27.5 22.6 33.8





#75

1,1,2-Tetrachloroethane

Concen: 50.078 ug/l

RT: 12.593 min Scan# 1767

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

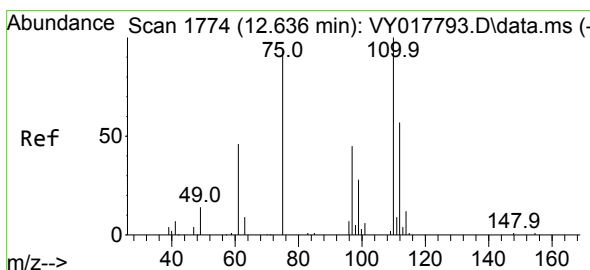
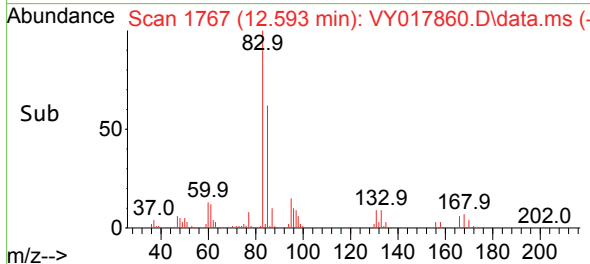
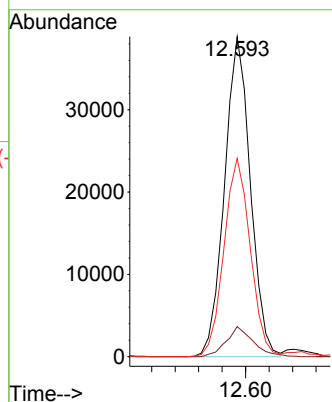
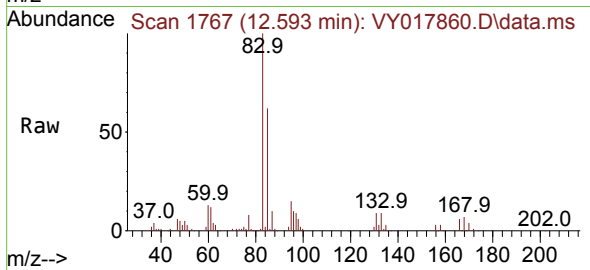
Tgt Ion: 83 Resp: 59351

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

85 63.1 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 87.901 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VY017860.D

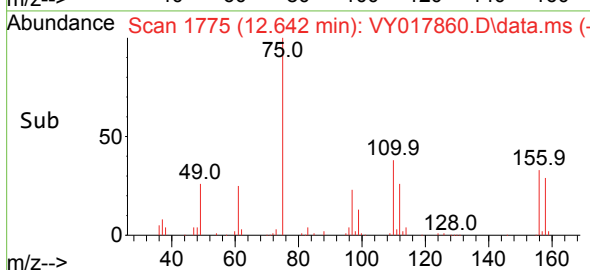
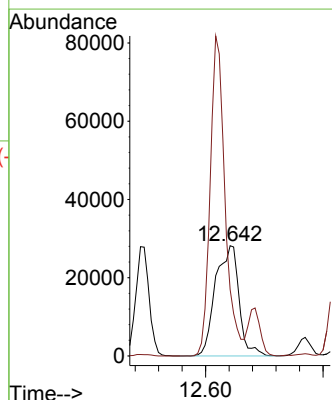
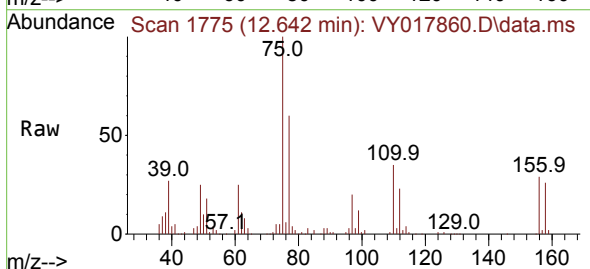
Acq: 05 Apr 2024 10:20

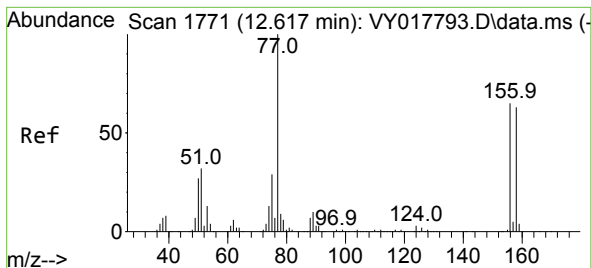
Tgt Ion: 75 Resp: 78310

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.217 ug/l

RT: 12.623 min Scan# 1772

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

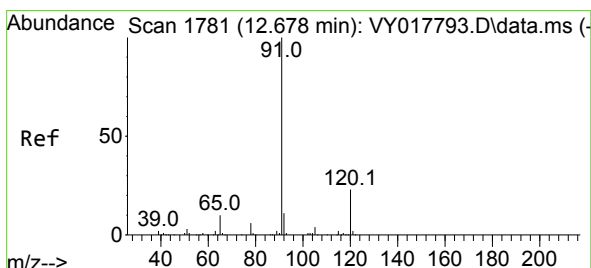
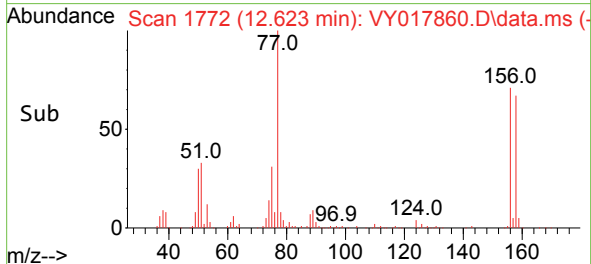
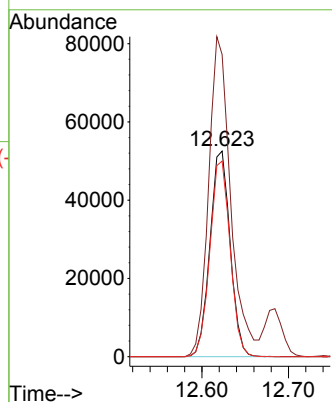
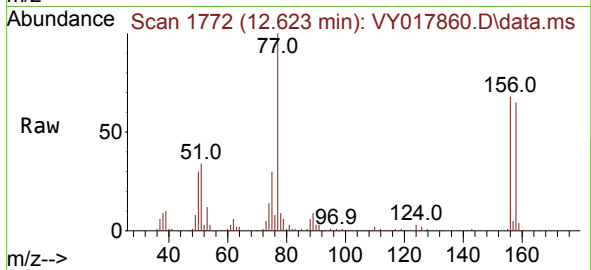
Tgt Ion:156 Resp: 85206

Ion Ratio Lower Upper

156 100

77 168.1 87.1 261.3

158 95.2 48.6 145.9



#78

n-propylbenzene

Concen: 55.677 ug/l

RT: 12.684 min Scan# 1782

Delta R.T. 0.006 min

Lab File: VY017860.D

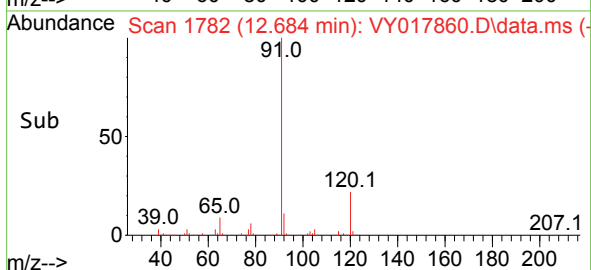
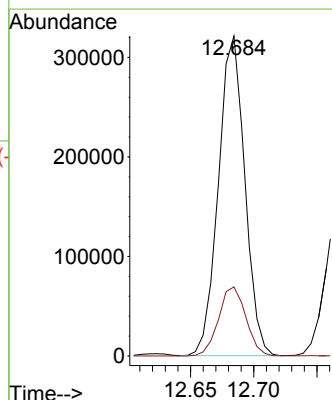
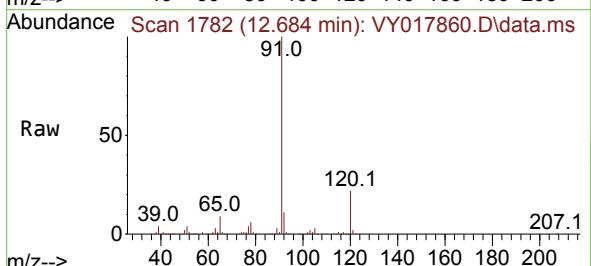
Acq: 05 Apr 2024 10:20

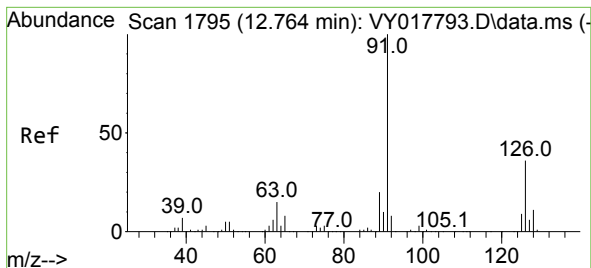
Tgt Ion: 91 Resp: 465464

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 54.016 ug/l

RT: 12.770 min Scan# 1795

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

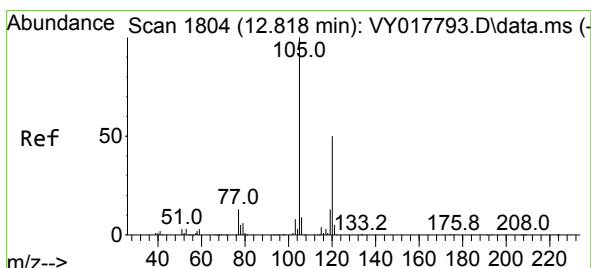
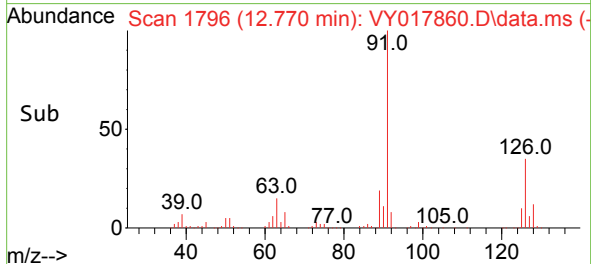
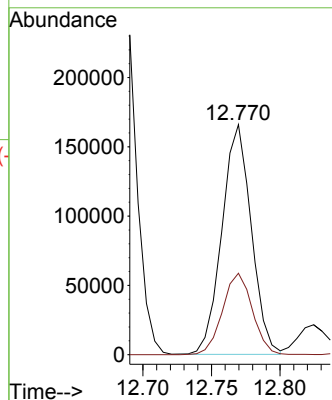
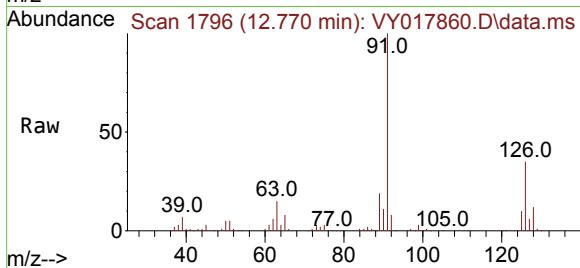
VSTDCCC050

Tgt Ion: 91 Resp: 247355

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 54.932 ug/l

RT: 12.824 min Scan# 1805

Delta R.T. 0.006 min

Lab File: VY017860.D

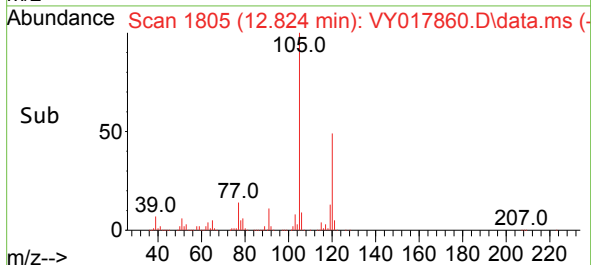
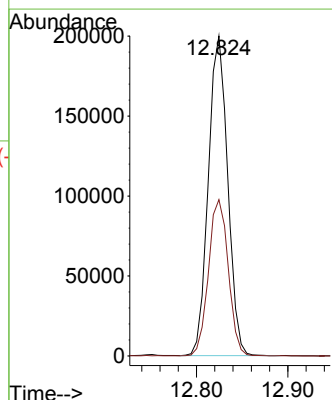
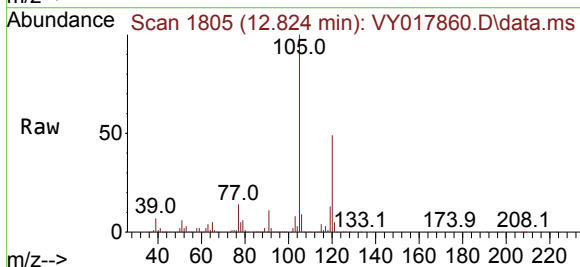
Acq: 05 Apr 2024 10:20

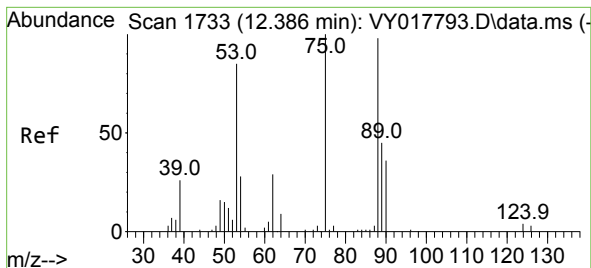
Tgt Ion: 105 Resp: 293721

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.2

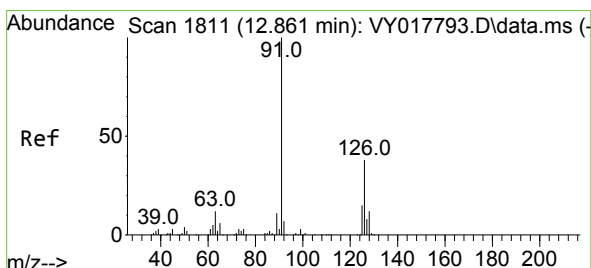
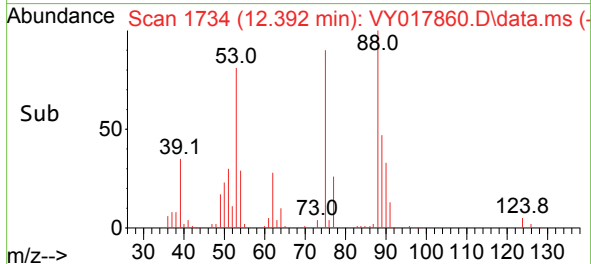
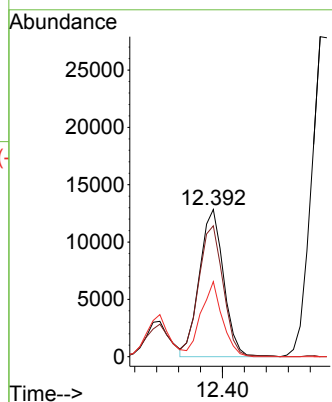
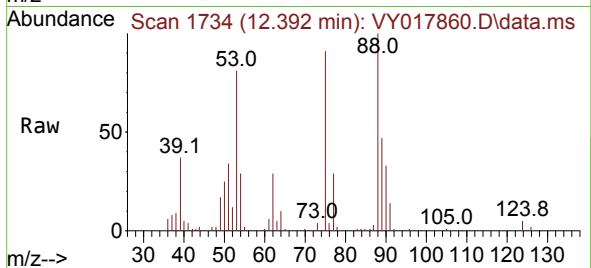




#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.372 ug/l  
RT: 12.392 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

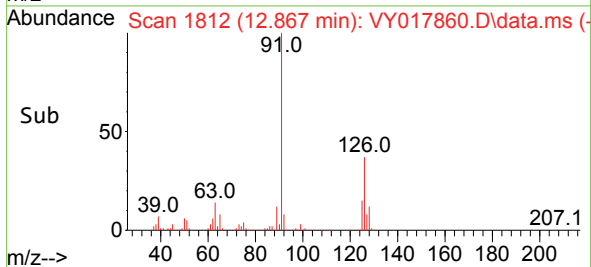
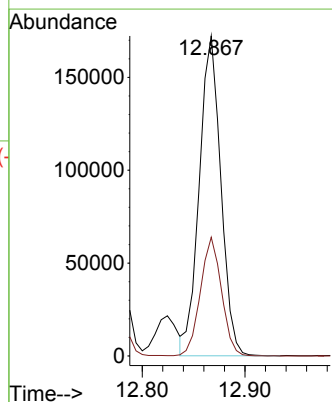
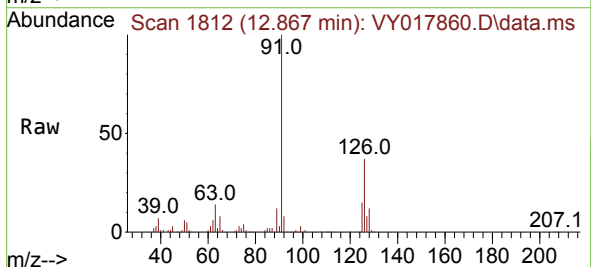
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

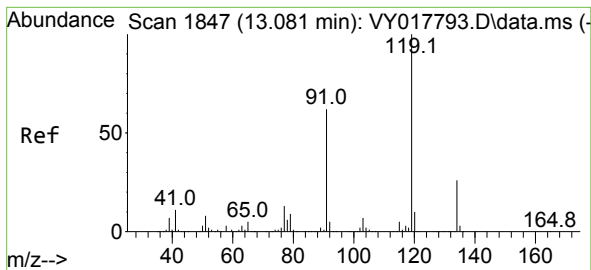
Tgt Ion: 75 Resp: 19720  
Ion Ratio Lower Upper  
75 100  
53 90.3 66.8 100.2  
89 44.6 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 52.959 ug/l  
RT: 12.867 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: VY017860.D  
Acq: 05 Apr 2024 10:20

Tgt Ion: 91 Resp: 251115  
Ion Ratio Lower Upper  
91 100  
126 36.4 17.6 52.9





#83

tert-Butylbenzene

Concen: 55.772 ug/l

RT: 13.087 min Scan# 1848

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

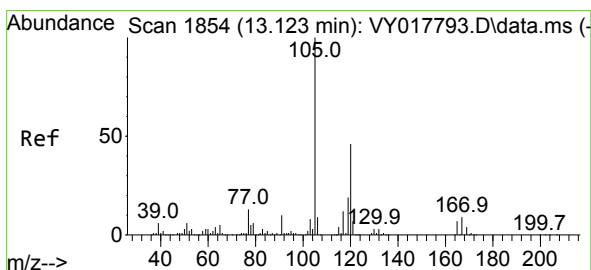
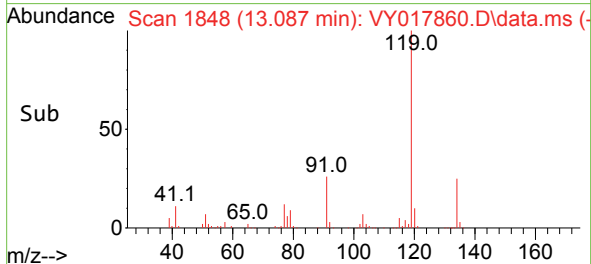
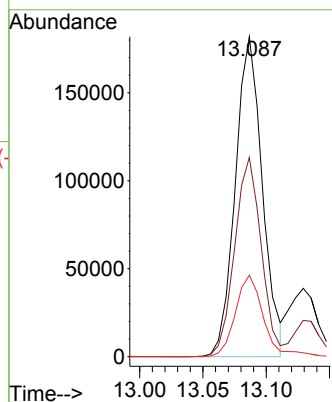
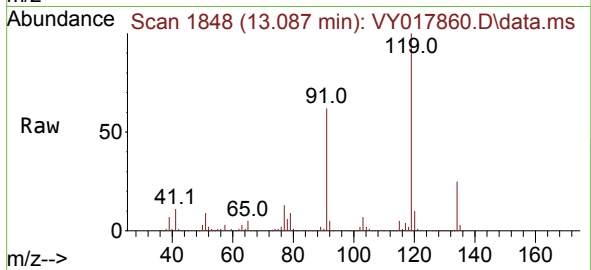
Tgt Ion:119 Resp: 271124

Ion Ratio Lower Upper

119 100

91 61.1 31.3 93.8

134 26.4 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 55.541 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.006 min

Lab File: VY017860.D

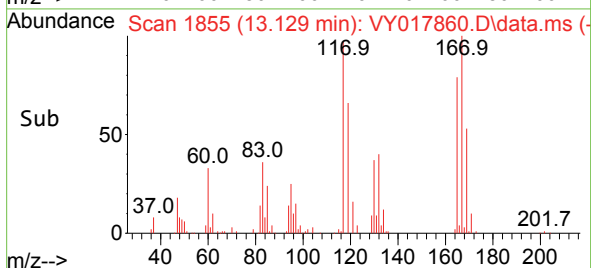
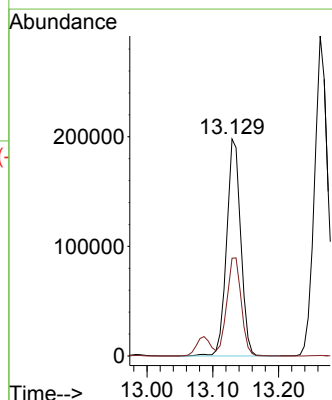
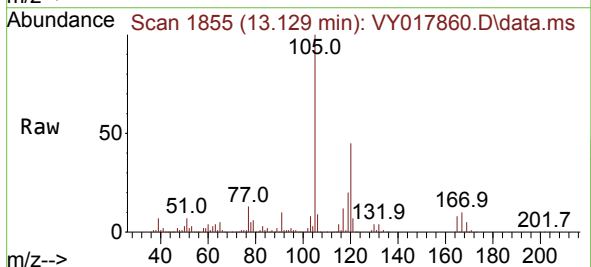
Acq: 05 Apr 2024 10:20

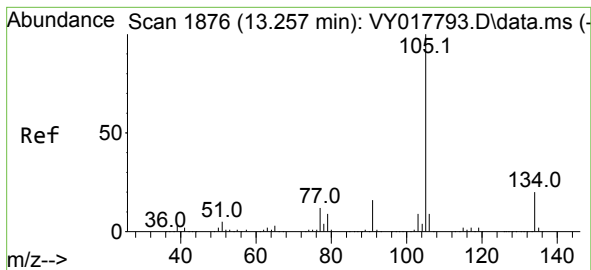
Tgt Ion:105 Resp: 295776

Ion Ratio Lower Upper

105 100

120 46.1 23.2 69.6





#85

sec-Butylbenzene

Concen: 56.313 ug/l

RT: 13.263 min Scan# 1877

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

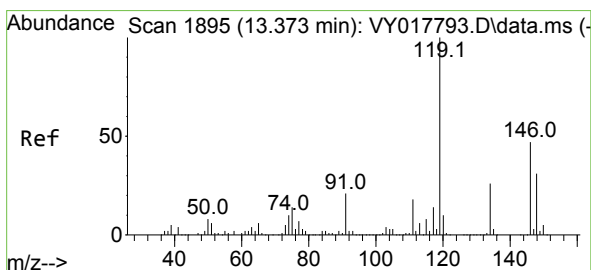
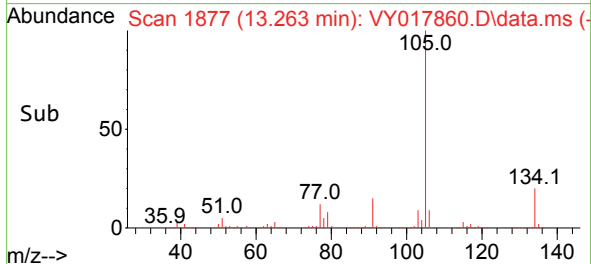
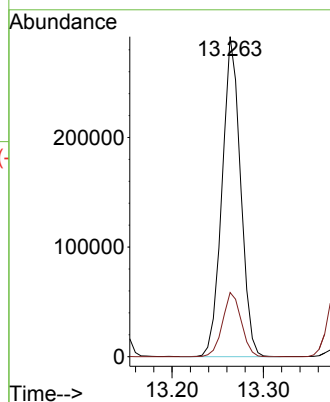
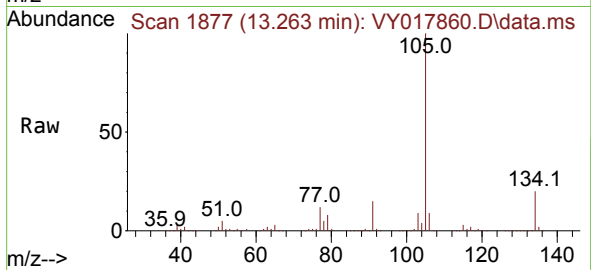
VSTDCCC050

Tgt Ion:105 Resp: 410883

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 56.069 ug/l

RT: 13.379 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

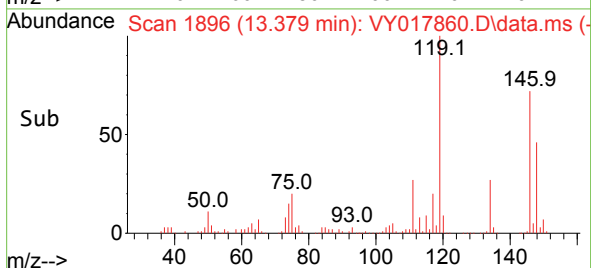
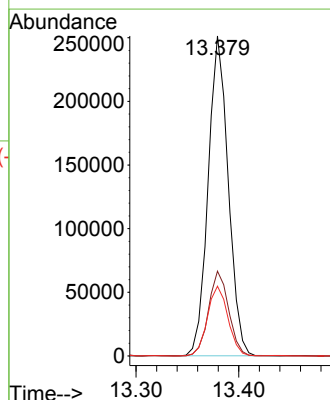
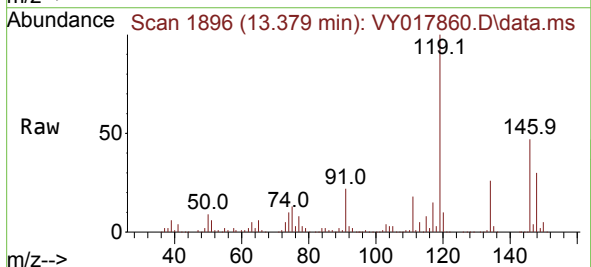
Tgt Ion:119 Resp: 341952

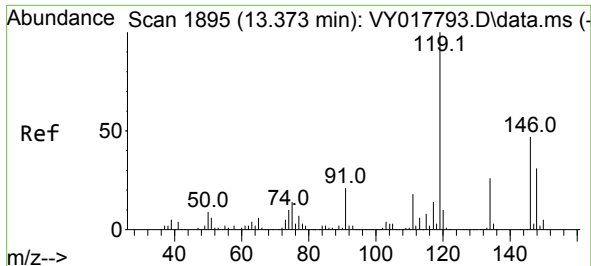
Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

91 22.4 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 52.851 ug/l

RT: 13.379 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

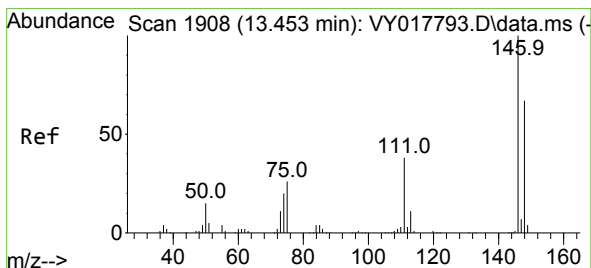
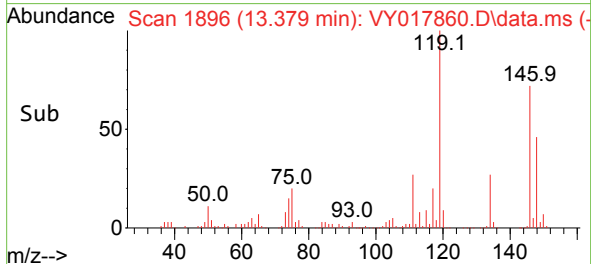
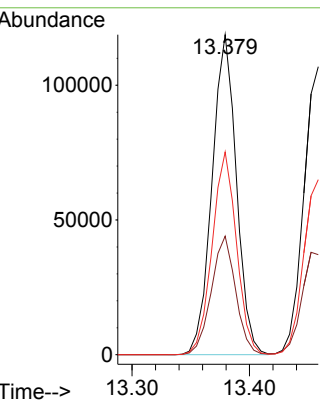
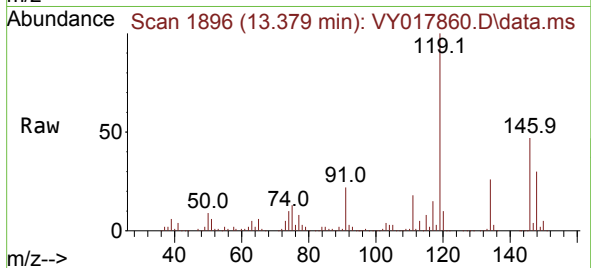
Tgt Ion:146 Resp: 171125

Ion Ratio Lower Upper

146 100

111 37.1 19.0 57.0

148 63.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 52.162 ug/l

RT: 13.459 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

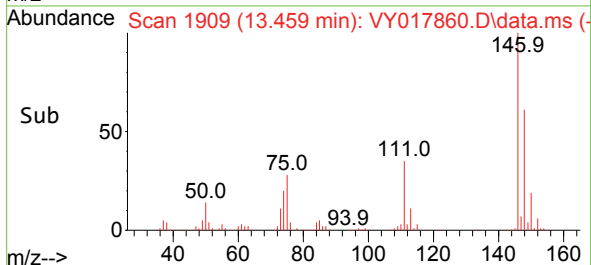
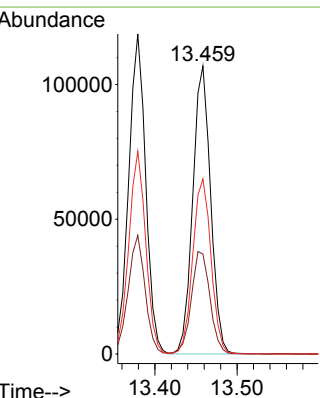
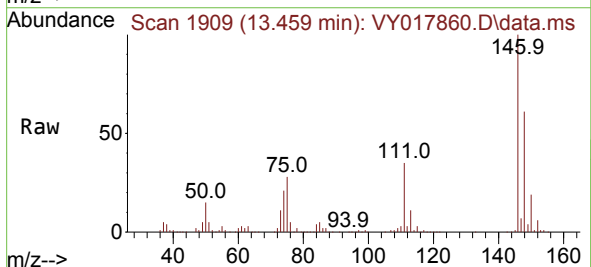
Tgt Ion:146 Resp: 161657

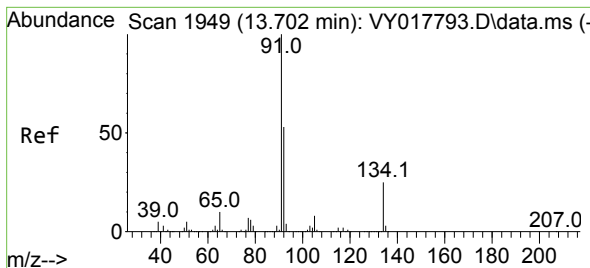
Ion Ratio Lower Upper

146 100

111 37.1 18.4 55.4

148 62.3 32.4 97.2





#89

n-Butylbenzene

Concen: 56.795 ug/l

RT: 13.708 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

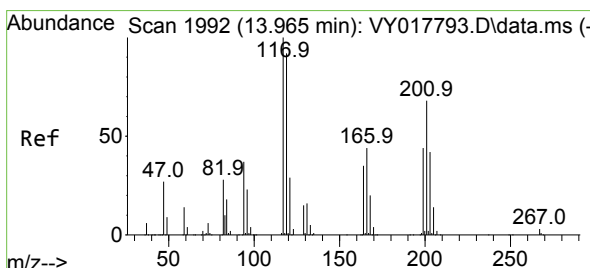
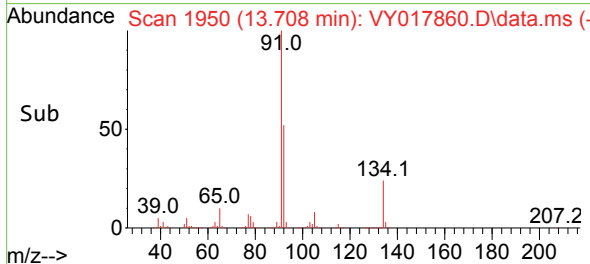
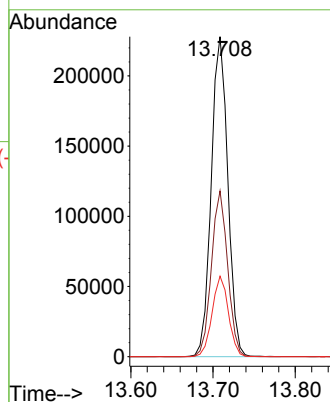
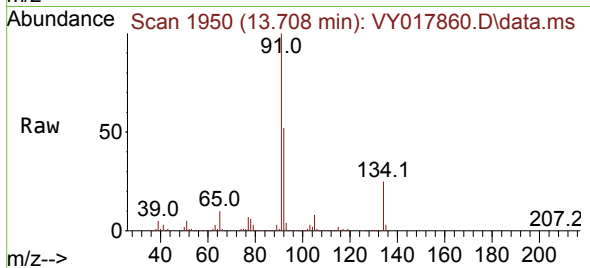
Tgt Ion: 91 Resp: 318686

Ion Ratio Lower Upper

91 100

92 50.9 26.6 79.7

134 24.8 12.9 38.7



#90

Hexachloroethane

Concen: 53.175 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VY017860.D

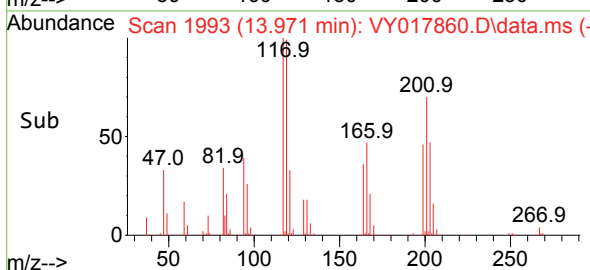
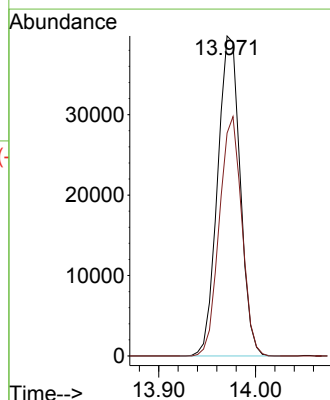
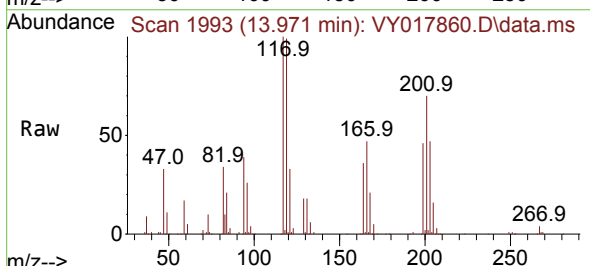
Acq: 05 Apr 2024 10:20

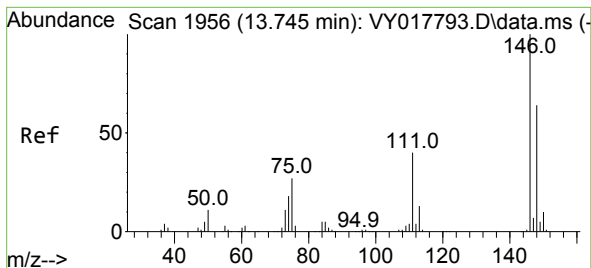
Tgt Ion: 117 Resp: 64487

Ion Ratio Lower Upper

117 100

201 74.4 37.4 112.2





#91

1,2-Dichlorobenzene

Concen: 52.285 ug/l

RT: 13.751 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

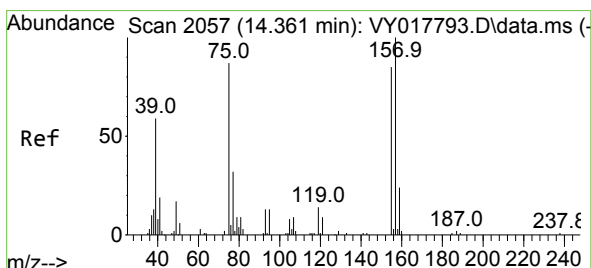
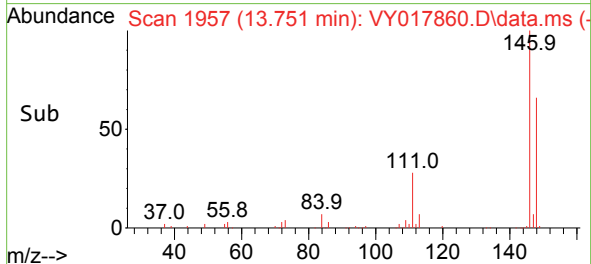
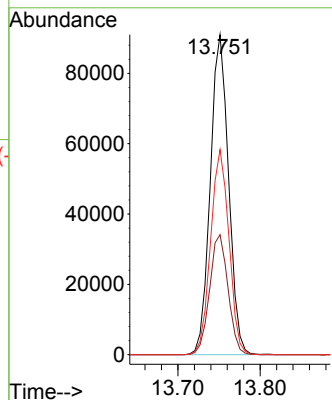
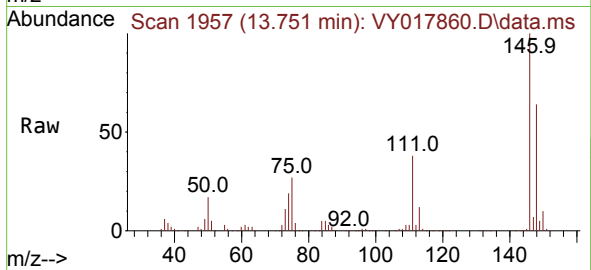
Tgt Ion:146 Resp: 140327

Ion Ratio Lower Upper

146 100

111 37.9 19.9 59.7

148 64.4 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.072 ug/l

RT: 14.367 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

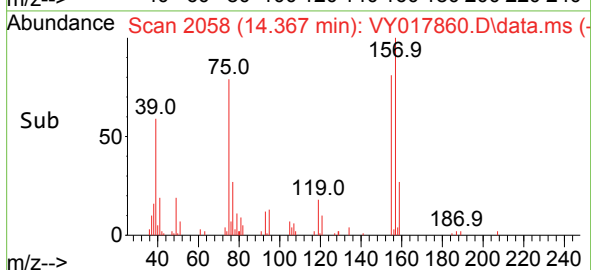
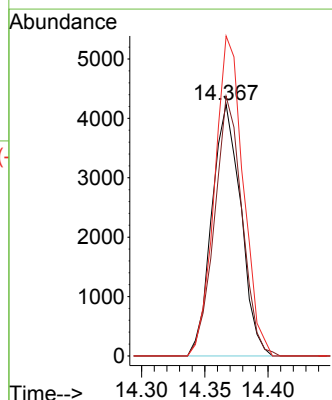
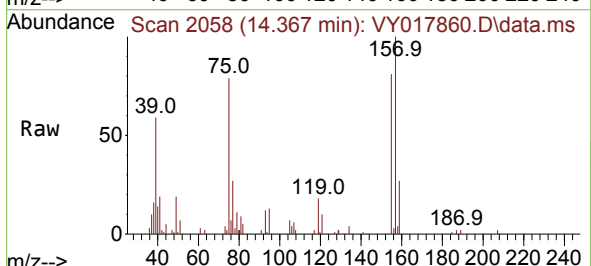
Tgt Ion: 75 Resp: 6738

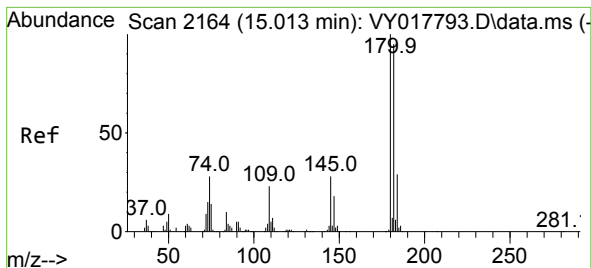
Ion Ratio Lower Upper

75 100

155 98.3 48.6 145.8

157 125.4 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 47.993 ug/l

RT: 15.019 min Scan# 2165

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

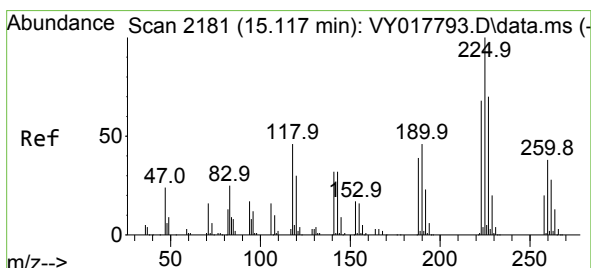
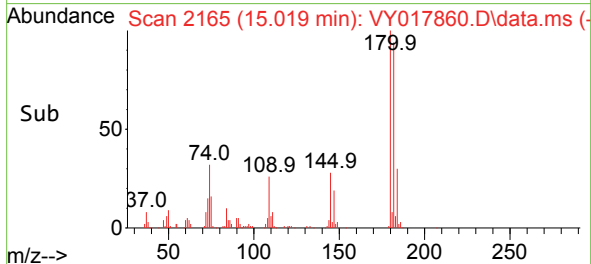
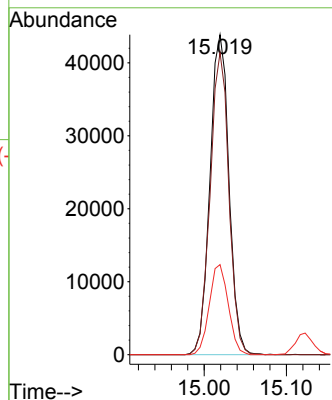
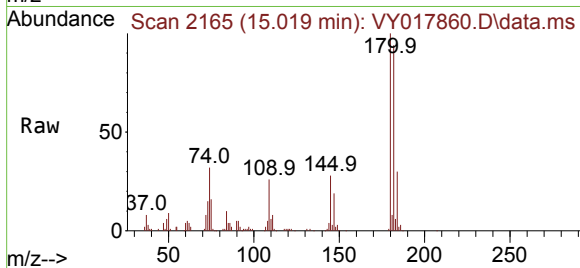
Tgt Ion:180 Resp: 70552

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.8

145 28.1 14.2 42.6



#94

Hexachlorobutadiene

Concen: 48.684 ug/l

RT: 15.123 min Scan# 2182

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

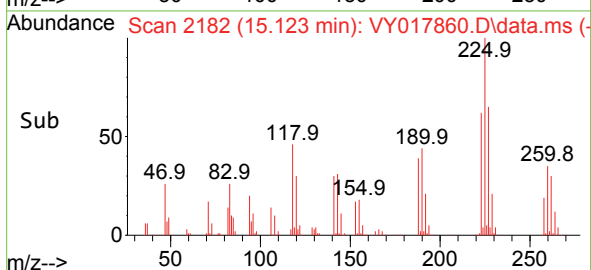
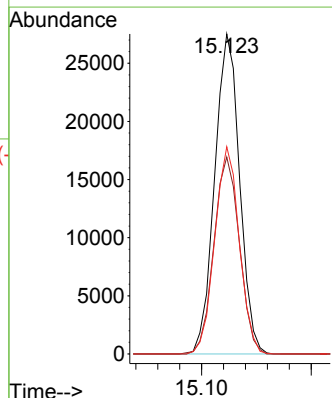
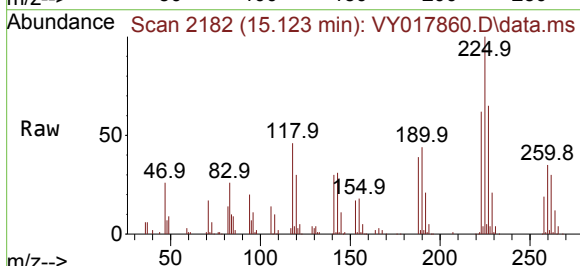
Tgt Ion:225 Resp: 43385

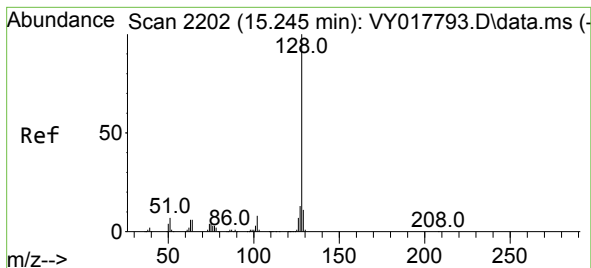
Ion Ratio Lower Upper

225 100

223 63.0 30.4 91.2

227 63.7 31.9 95.9





#95

Naphthalene

Concen: 47.068 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

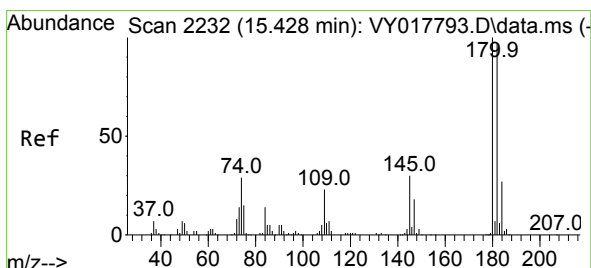
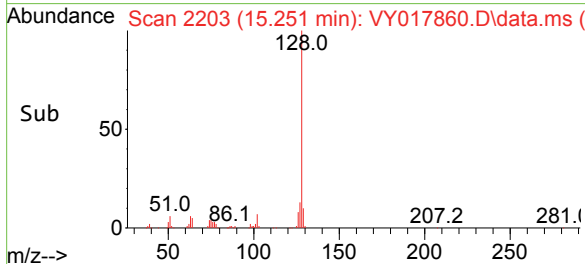
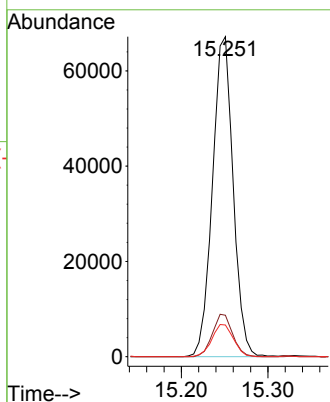
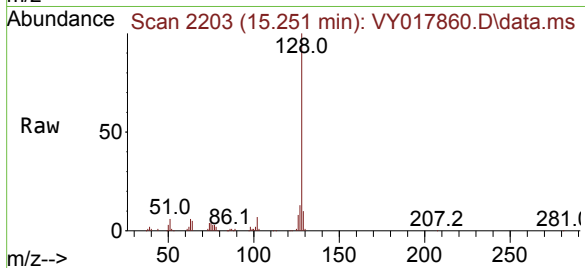
Tgt Ion:128 Resp: 111426

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.5 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 46.107 ug/l

RT: 15.434 min Scan# 2233

Delta R.T. 0.006 min

Lab File: VY017860.D

Acq: 05 Apr 2024 10:20

Tgt Ion:180 Resp: 57254

Ion Ratio Lower Upper

180 100

182 95.0 47.6 142.9

145 29.5 15.4 46.1

