

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030223\  
 Data File : VY012762.D  
 Acq On : 02 Mar 2023 16:07  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 03 01:55:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 121499   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 189894   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 165848   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 79622    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 58082    | 48.148   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.300% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 55506    | 48.434   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.860% |
| 50) Toluene-d8              | 10.179 | 98    | 200926   | 47.959   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 95.920% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 66517    | 47.039   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 94.080% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 57169  | 47.738  | ug/l   | 100 |
| 3) Chloromethane             | 2.113 | 50  | 65950  | 46.065  | ug/l   | 98  |
| 4) Vinyl Chloride            | 2.253 | 62  | 64974  | 49.491  | ug/l   | 99  |
| 5) Bromomethane              | 2.650 | 94  | 39219  | 49.164  | ug/l   | 95  |
| 6) Chloroethane              | 2.796 | 64  | 39507  | 50.248  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 107576 | 49.336  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.528 | 74  | 37744  | 49.396  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.906 | 101 | 65624  | 50.024  | ug/l   | 98  |
| 10) Methyl Iodide            | 4.095 | 142 | 88208  | 51.605  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 31771  | 227.171 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 63325  | 50.613  | ug/l   | 98  |
| 13) Acrolein                 | 3.729 | 56  | 48713  | 230.487 | ug/l   | 99  |
| 14) Allyl chloride           | 4.485 | 41  | 123109 | 53.268  | ug/l   | 99  |
| 15) Acrylonitrile            | 5.155 | 53  | 101004 | 250.874 | ug/l   | 100 |
| 16) Acetone                  | 3.948 | 43  | 120023 | 253.484 | ug/l   | 98  |
| 17) Carbon Disulfide         | 4.192 | 76  | 215212 | 50.534  | ug/l   | 100 |
| 18) Methyl Acetate           | 4.479 | 43  | 69017  | 48.947  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 171547 | 53.082  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.716 | 84  | 72596  | 50.273  | ug/l   | 96  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 70466  | 51.827  | ug/l   | 93  |
| 22) Diisopropyl ether        | 6.119 | 45  | 228430 | 54.418  | ug/l   | 98  |
| 23) Vinyl Acetate            | 6.058 | 43  | 697982 | 267.609 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 125015 | 52.264  | ug/l   | 99  |
| 25) 2-Butanone               | 6.984 | 43  | 148390 | 253.027 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 108267 | 50.962  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 75426  | 51.743  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.332 | 49  | 46384  | 53.063  | ug/l   | 94  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 88704  | 250.784 | ug/l   | 98  |
| 30) Chloroform               | 7.503 | 83  | 121288 | 51.334  | ug/l   | 98  |
| 31) Cyclohexane              | 7.783 | 56  | 118553 | 51.314  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 109502 | 51.249  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 98320  | 51.196  | ug/l   | 99  |
| 37) Ethyl Acetate            | 7.070 | 43  | 59751  | 49.363  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.899 | 117 | 101185 | 51.022  | ug/l   | 97  |
| 39) Methylcyclohexane        | 9.185 | 83  | 118491 | 51.897  | ug/l   | 98  |
| 40) Benzene                  | 8.161 | 78  | 278060 | 51.185  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Mar 03 01:55:07 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 81988    | 125.720 | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 81535    | 49.922  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.271  | 43   | 109017   | 50.481  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 72418    | 50.561  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 70997    | 51.712  | ug/l   | 100      |
| 46) Dibromomethane            | 9.307  | 93   | 38974    | 49.829  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.496  | 83   | 92133    | 49.986  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.295  | 41   | 51758    | 52.014  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 9637     | 953.089 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 296039   | 252.717 | ug/l   | 99       |
| 52) Toluene                   | 10.246 | 92   | 167459   | 51.113  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 98124    | 50.754  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 111473   | 50.941  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 52234    | 47.953  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.508 | 69   | 74892    | 51.564  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 91879    | 49.522  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 193928   | 254.344 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 217721   | 255.729 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.984 | 129  | 63395    | 47.811  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 49434    | 47.112  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 58894    | 48.774  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.520 | 112  | 174901   | 50.248  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 64387    | 49.990  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 318000   | 51.963  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.703 | 106  | 243653   | 103.496 | ug/l   | 99       |
| 69) o-Xylene                  | 12.032 | 106  | 113917   | 51.847  | ug/l   | 99       |
| 70) Styrene                   | 12.044 | 104  | 192135   | 52.402  | ug/l   | 99       |
| 71) Bromoform                 | 12.209 | 173  | 39815    | 47.412  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 301117   | 53.362  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 93115    | 52.446  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 62074    | 48.936  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 81850    | 86.084  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 69882    | 50.978  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.672 | 91   | 375208   | 53.932  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 204763   | 52.957  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 248775   | 53.421  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 22562    | 49.168  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 206399   | 51.567  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 211785   | 52.690  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.124 | 105  | 242587   | 53.272  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.258 | 105  | 324696   | 52.952  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 263750   | 52.629  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 134905   | 51.025  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 134661   | 49.905  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 252508   | 52.632  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.965 | 117  | 52301    | 50.107  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 118857   | 49.731  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 9937     | 48.472  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 72809    | 49.479  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 42885    | 47.782  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 145239   | 49.253  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 63530    | 48.543  | ug/l   | 100      |

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Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

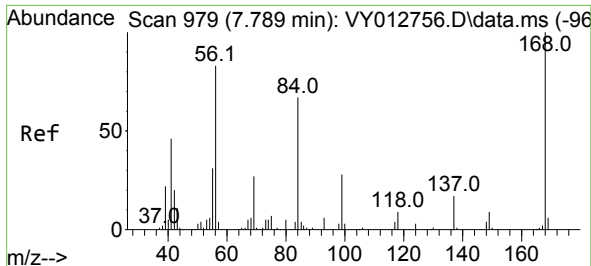
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Quant Time: Mar 03 01:55:07 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 03 01:13:13 2023  
Response via : Initial Calibration

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

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

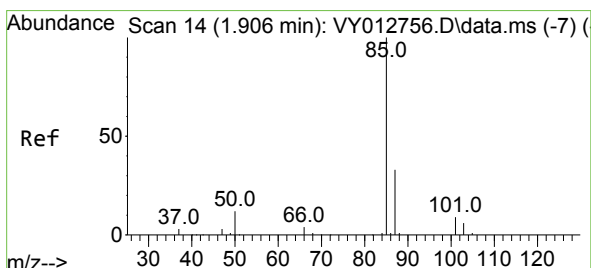
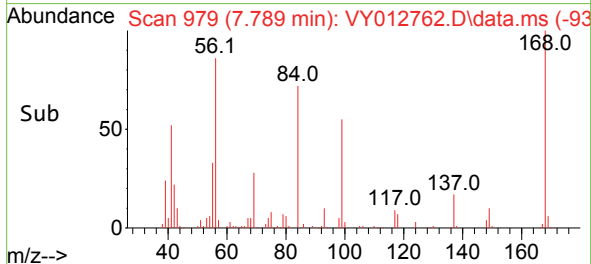
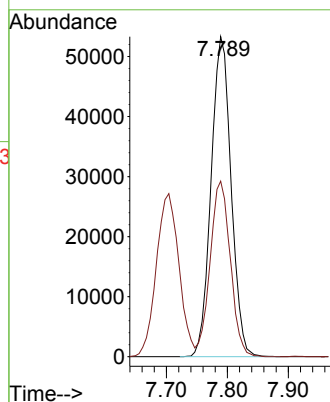
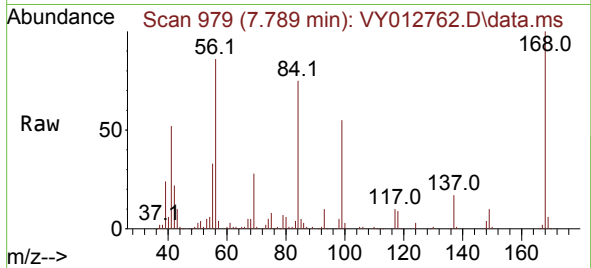




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

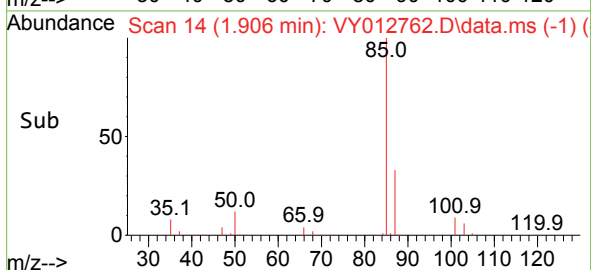
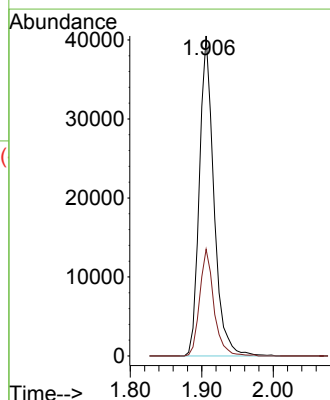
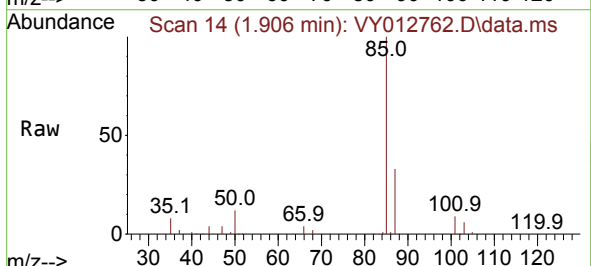
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

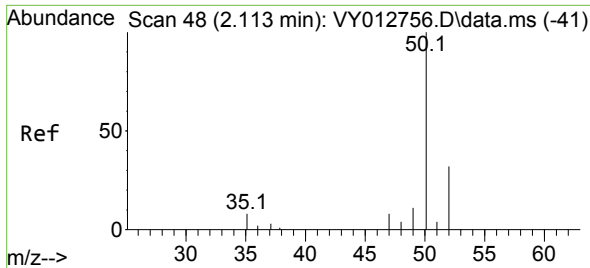
Tgt Ion:168 Resp: 121499  
Ion Ratio Lower Upper  
168 100  
99 54.9 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 47.738 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 85 Resp: 57169  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.7 50.0

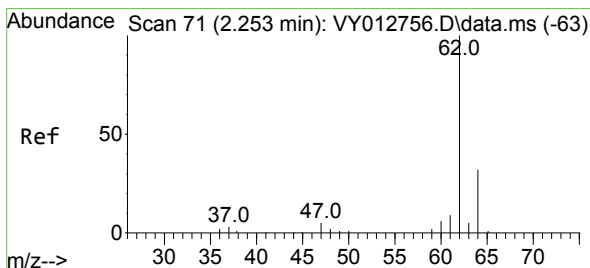
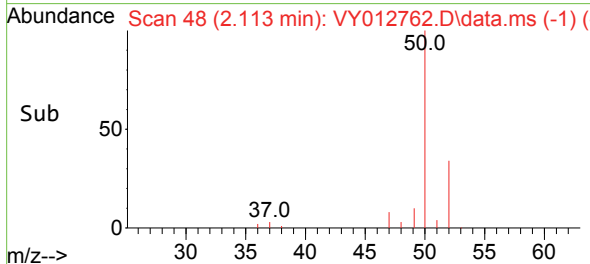
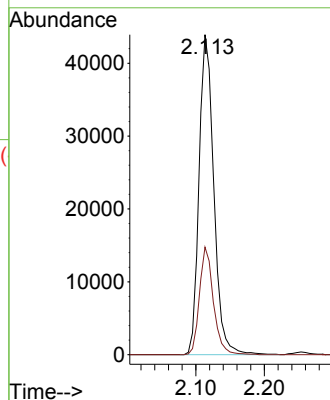
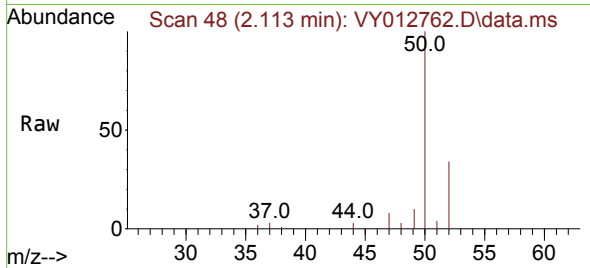




#3  
Chloromethane  
Concen: 46.065 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

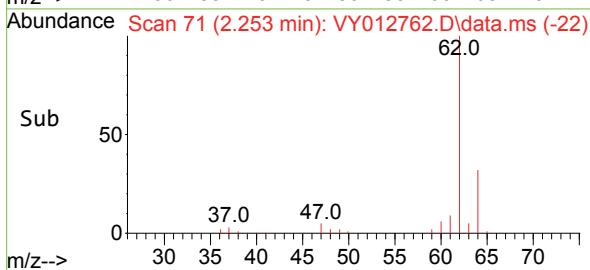
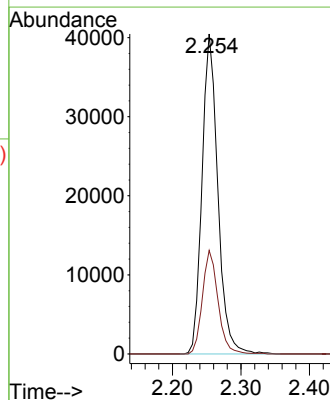
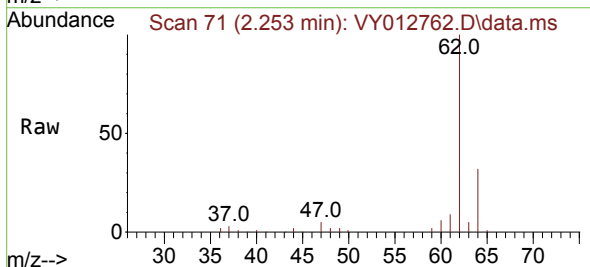
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

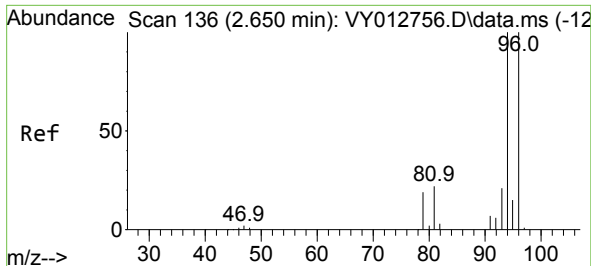
Tgt Ion: 50 Resp: 65950  
Ion Ratio Lower Upper  
50 100  
52 33.6 26.0 39.0



#4  
Vinyl Chloride  
Concen: 49.491 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 62 Resp: 64974  
Ion Ratio Lower Upper  
62 100  
64 32.4 25.6 38.4

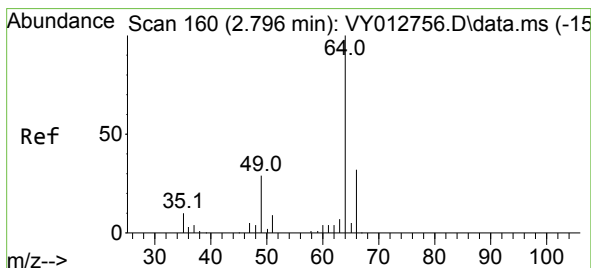
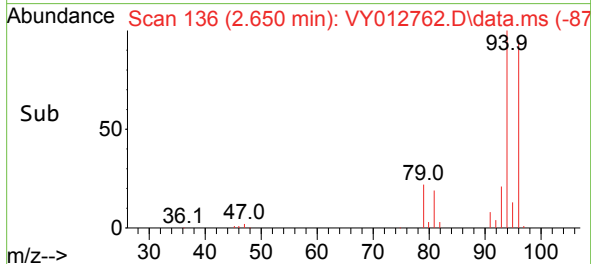
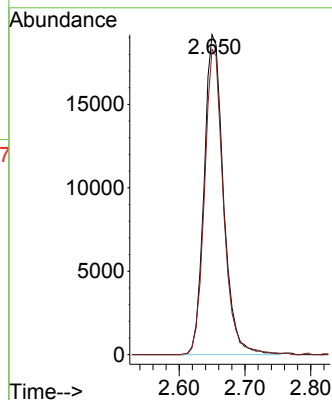
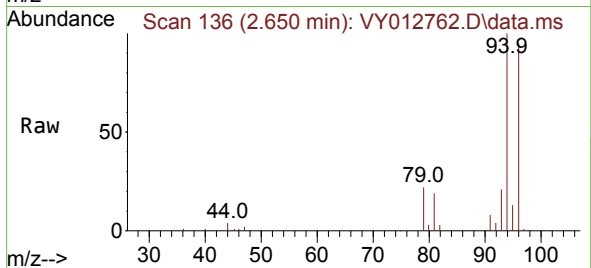




#5  
Bromomethane  
Concen: 49.164 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

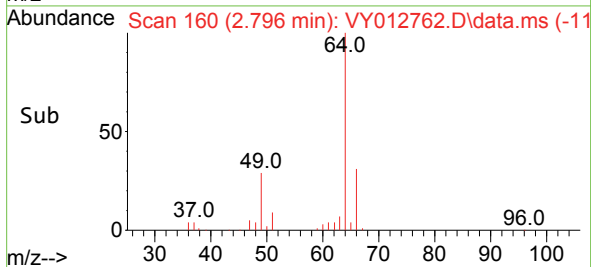
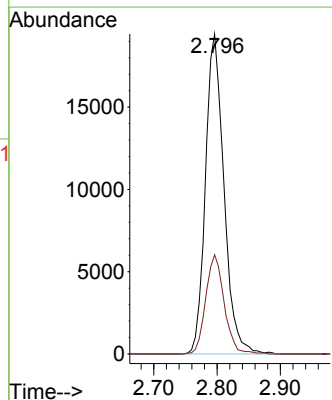
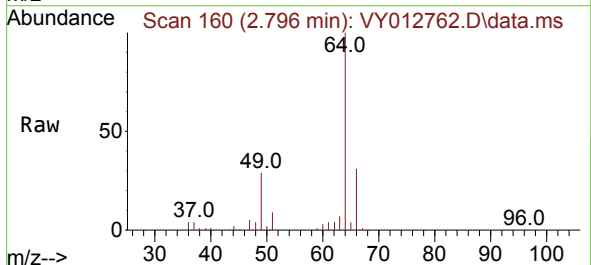
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

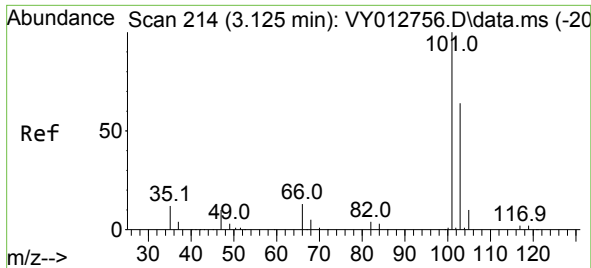
Tgt Ion: 94 Resp: 39219  
Ion Ratio Lower Upper  
94 100  
96 95.4 80.3 120.5



#6  
Chloroethane  
Concen: 50.248 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 64 Resp: 39507  
Ion Ratio Lower Upper  
64 100  
66 31.0 25.7 38.5

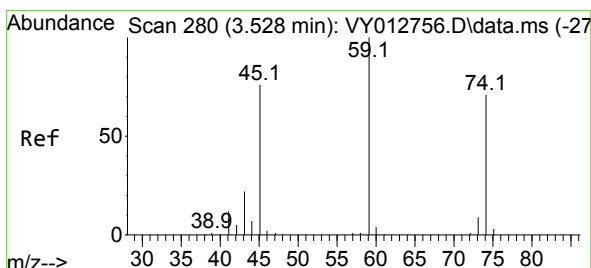
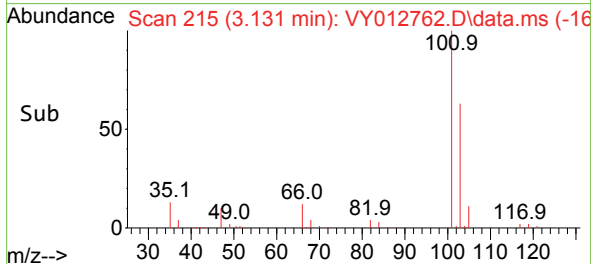
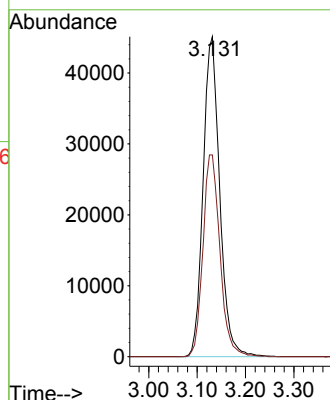
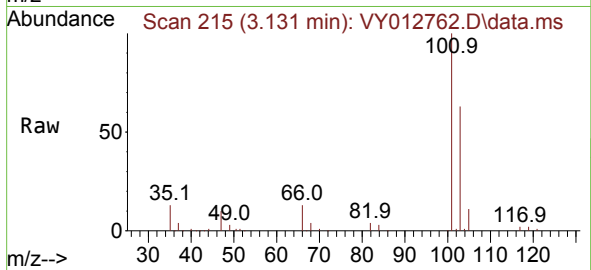




#7  
 Trichlorofluoromethane  
 Concen: 49.336 ug/l  
 RT: 3.131 min Scan# 214  
 Delta R.T. 0.006 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

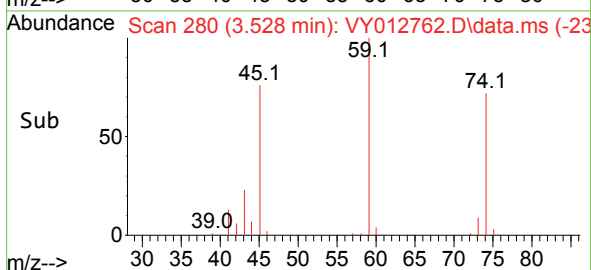
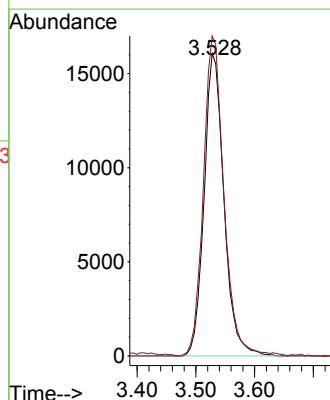
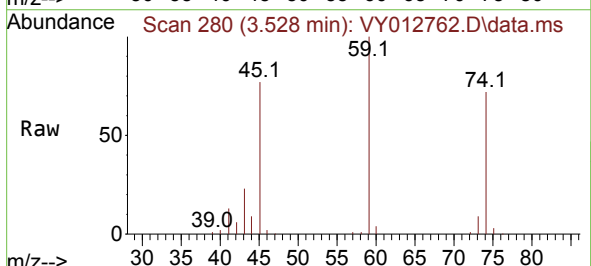
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

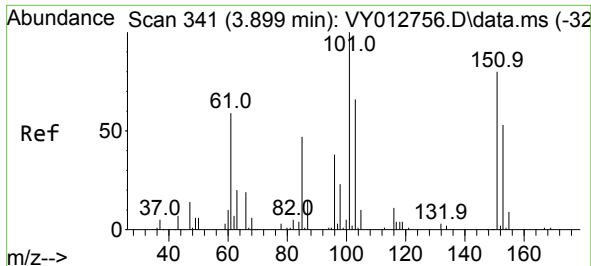
Tgt Ion:101 Resp: 107576  
 Ion Ratio Lower Upper  
 101 100  
 103 63.1 51.5 77.3



#8  
 Diethyl Ether  
 Concen: 49.396 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

Tgt Ion: 74 Resp: 37744  
 Ion Ratio Lower Upper  
 74 100  
 45 109.5 52.1 156.4

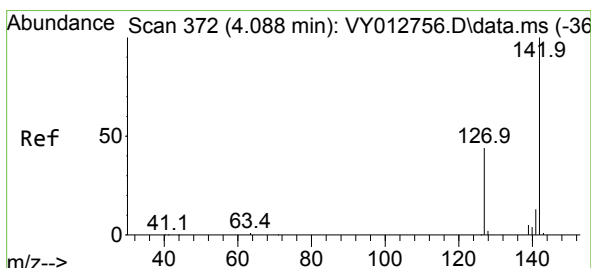
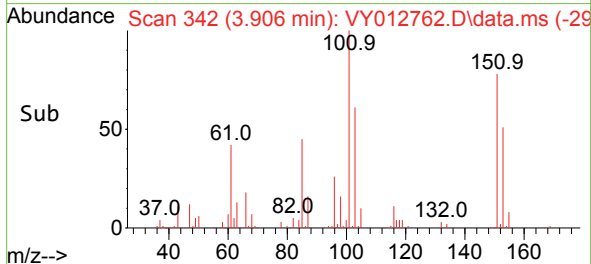
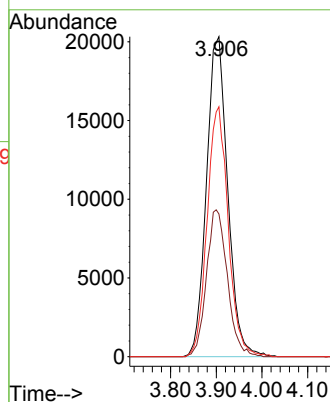
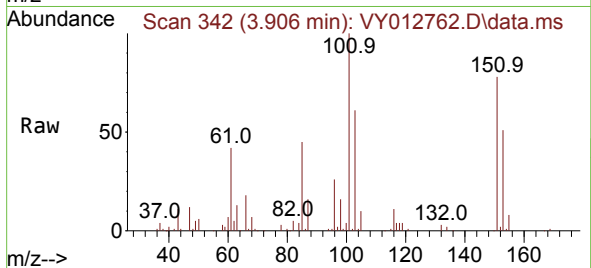




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.024 ug/l  
RT: 3.906 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

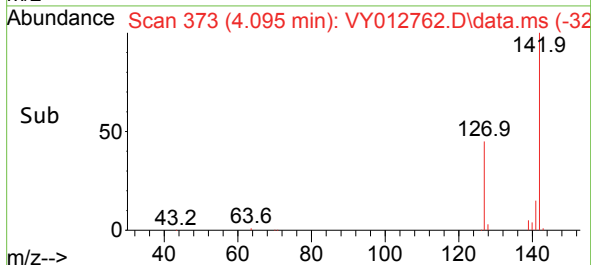
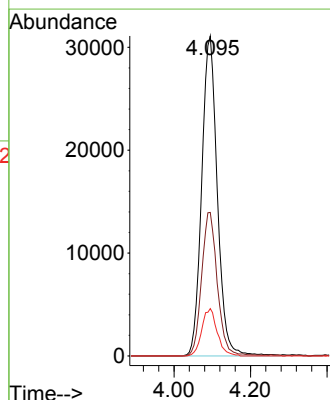
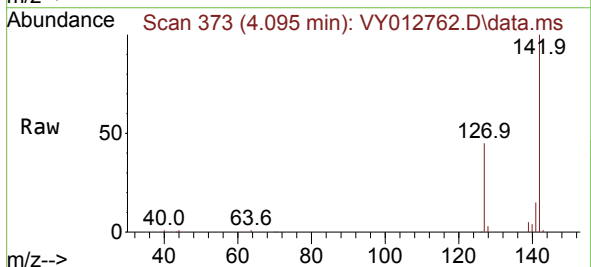
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

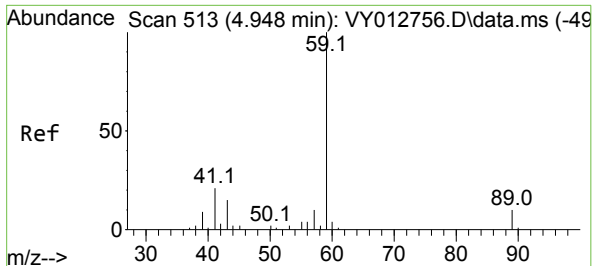
Tgt Ion:101 Resp: 65624  
Ion Ratio Lower Upper  
101 100  
85 45.4 35.3 52.9  
151 77.6 63.1 94.7



#10  
Methyl Iodide  
Concen: 51.605 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion:142 Resp: 88208  
Ion Ratio Lower Upper  
142 100  
127 45.2 35.4 53.2  
141 14.6 11.3 16.9

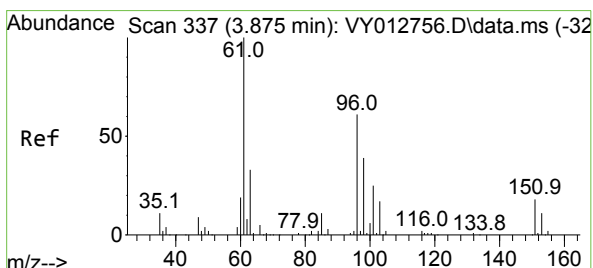
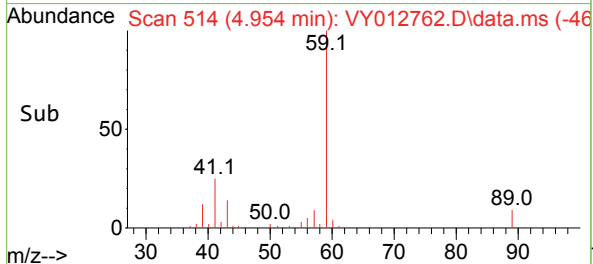
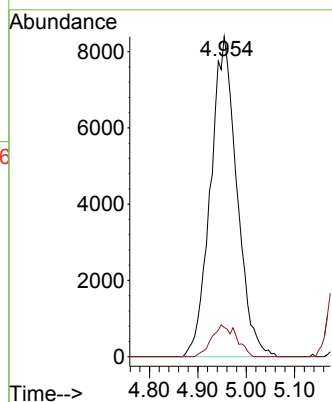
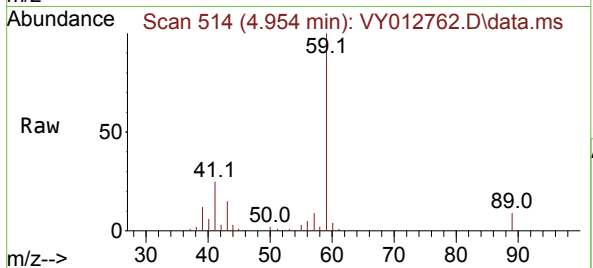




#11  
Tert butyl alcohol  
Concen: 227.171 ug/l  
RT: 4.954 min Scan# 513  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

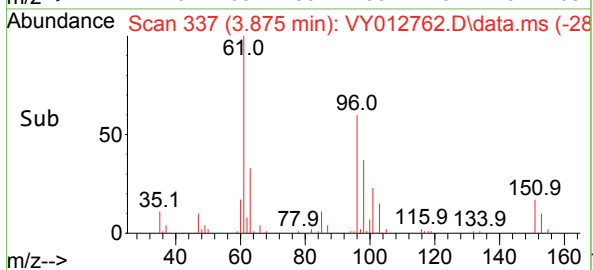
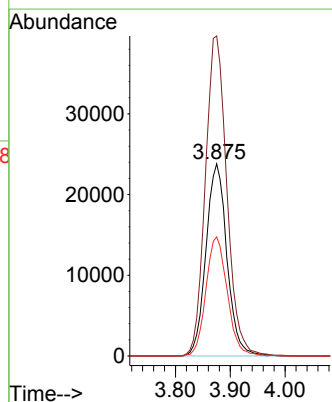
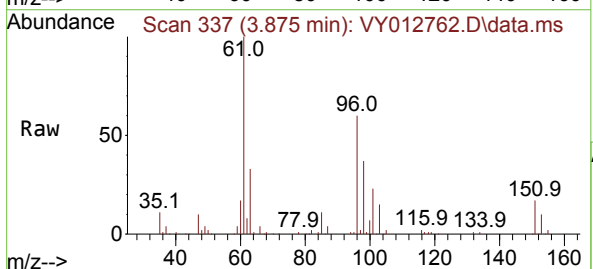
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

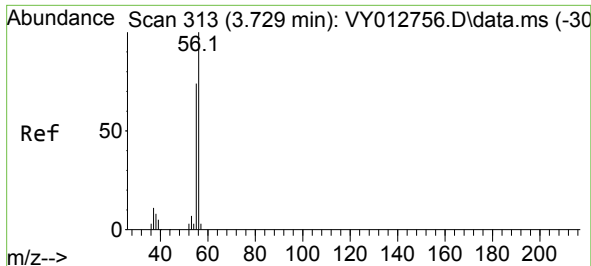
Tgt Ion: 59 Resp: 31771  
Ion Ratio Lower Upper  
59 100  
57 9.4 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 50.613 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 96 Resp: 63325  
Ion Ratio Lower Upper  
96 100  
61 166.5 131.7 197.5  
98 61.9 52.0 78.0





#13

Acrolein

Concen: 230.487 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

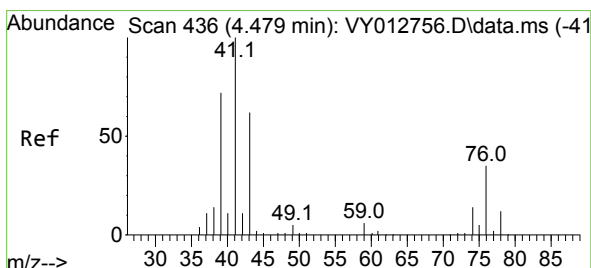
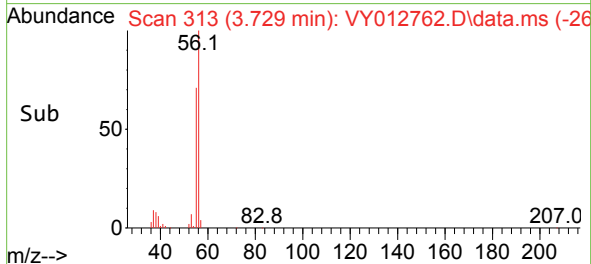
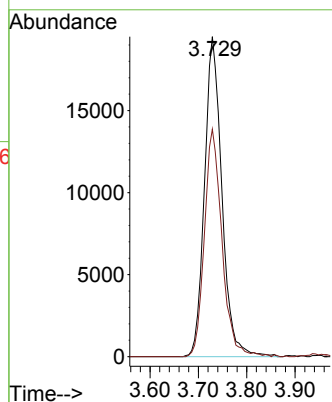
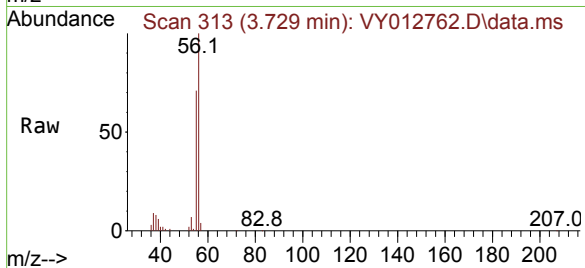
VSTDCCC050

Tgt Ion: 56 Resp: 48713

Ion Ratio Lower Upper

56 100

55 71.9 56.8 85.2



#14

Allyl chloride

Concen: 53.268 ug/l

RT: 4.485 min Scan# 437

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

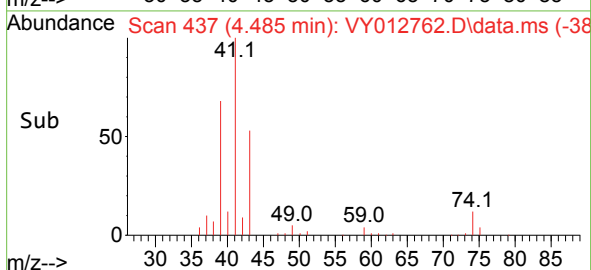
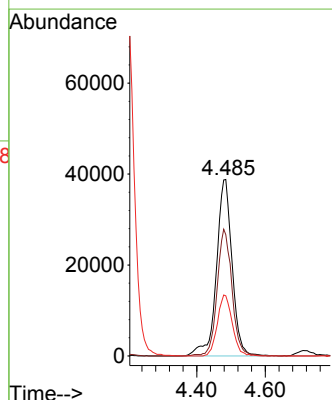
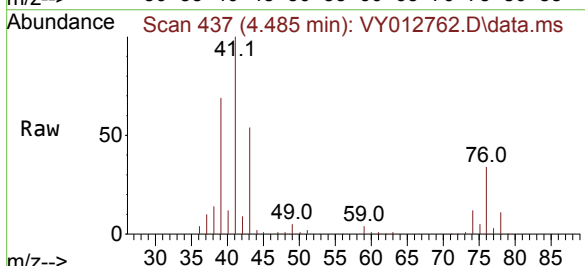
Tgt Ion: 41 Resp: 123109

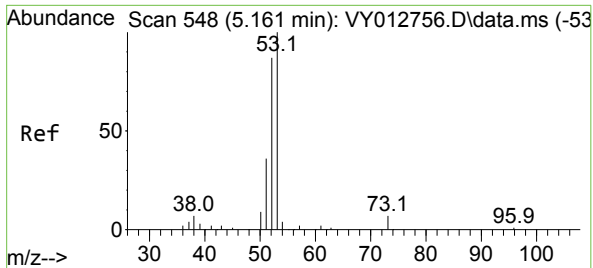
Ion Ratio Lower Upper

41 100

39 67.8 53.6 80.4

76 32.6 27.2 40.8

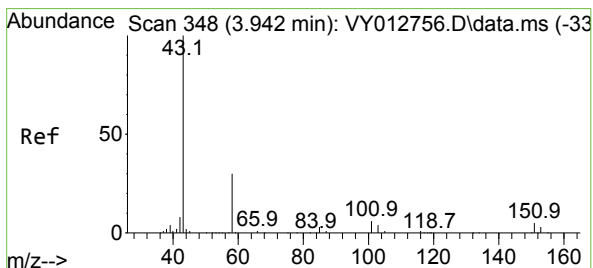
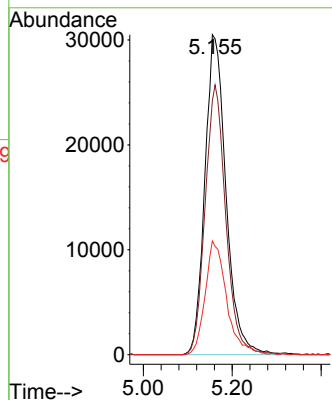
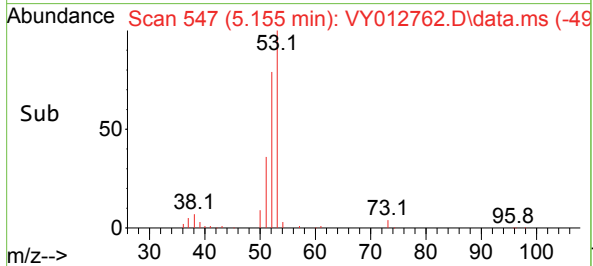
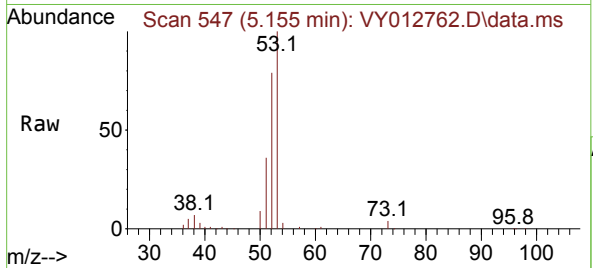




#15  
Acrylonitrile  
Concen: 250.874 ug/l  
RT: 5.155 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

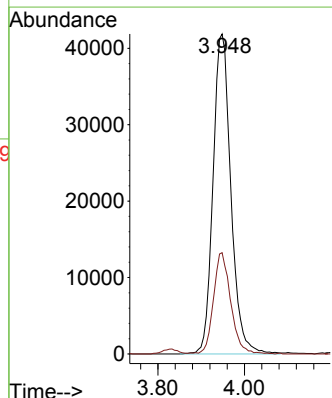
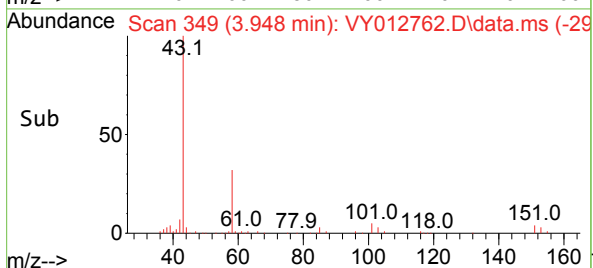
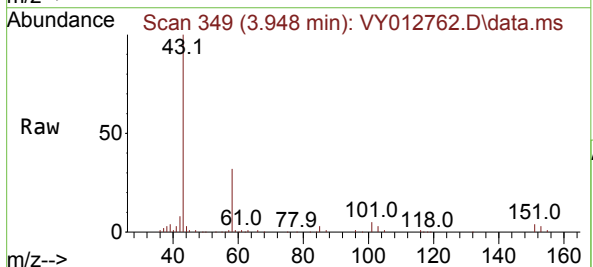
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

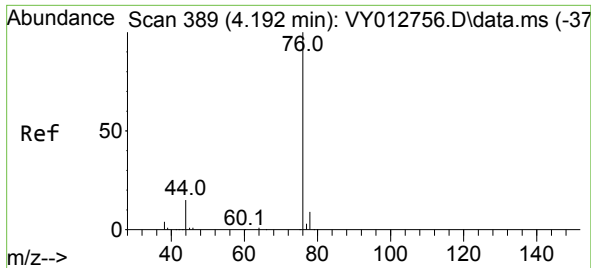
|             |              |
|-------------|--------------|
| Tgt Ion: 53 | Resp: 101004 |
| Ion Ratio   | Lower Upper  |
| 53 100      |              |
| 52 82.3     | 66.3 99.5    |
| 51 36.0     | 28.8 43.2    |



#16  
Acetone  
Concen: 253.484 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 120023 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 58 31.4     | 24.2 36.2    |

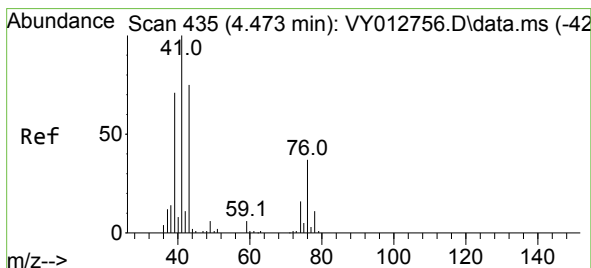
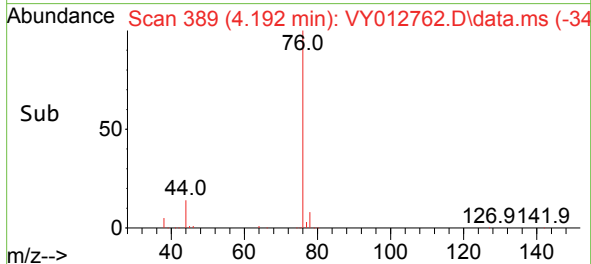
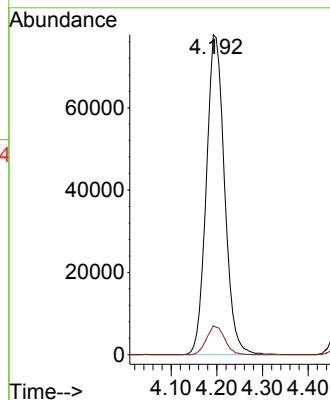
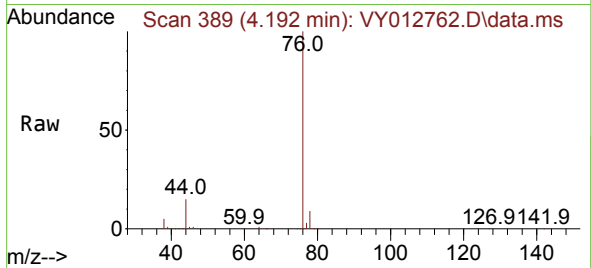




#17  
Carbon Disulfide  
Concen: 50.534 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

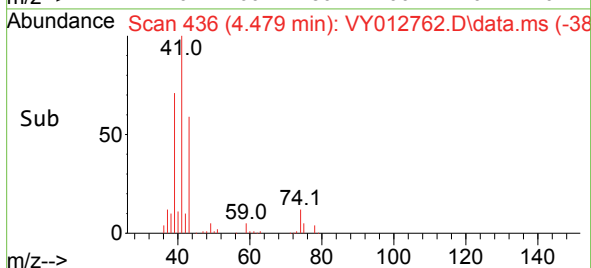
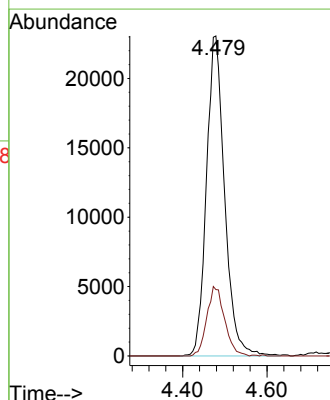
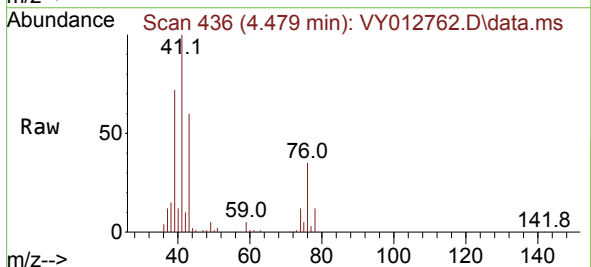
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

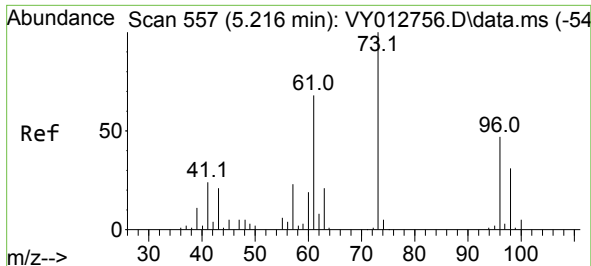
Tgt Ion: 76 Resp: 215212  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.1 10.7



#18  
Methyl Acetate  
Concen: 48.947 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 43 Resp: 69017  
Ion Ratio Lower Upper  
43 100  
74 21.2 17.4 26.0

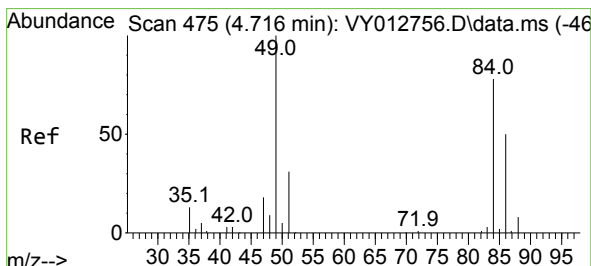
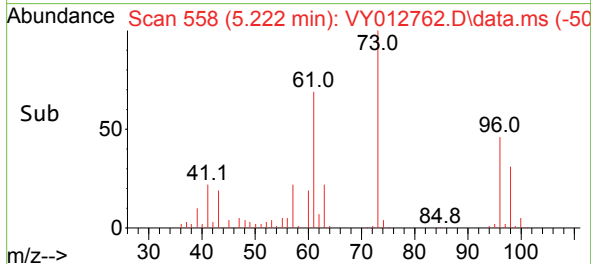
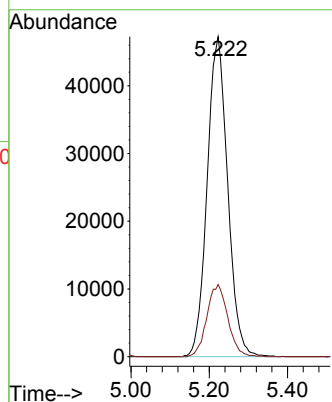
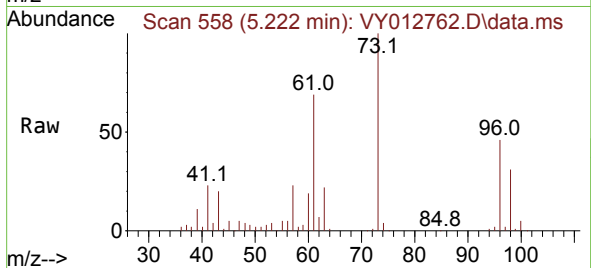




#19  
Methyl tert-butyl Ether  
Concen: 53.082 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

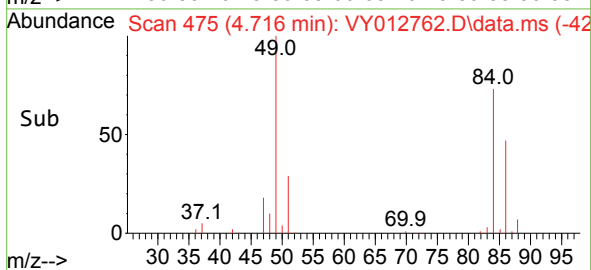
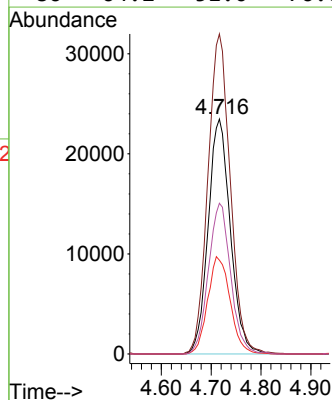
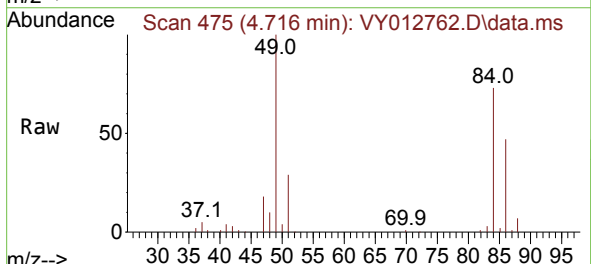
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

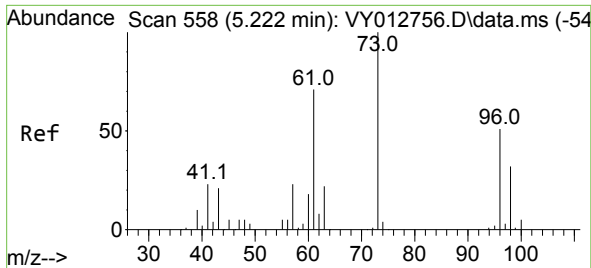
Tgt Ion: 73 Resp: 171547  
Ion Ratio Lower Upper  
73 100  
57 22.5 18.3 27.5



#20  
Methylene Chloride  
Concen: 50.273 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 84 Resp: 72596  
Ion Ratio Lower Upper  
84 100  
49 136.2 102.6 154.0  
51 39.9 31.9 47.9  
86 64.2 51.0 76.6

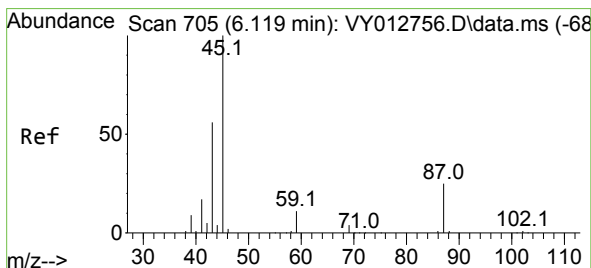
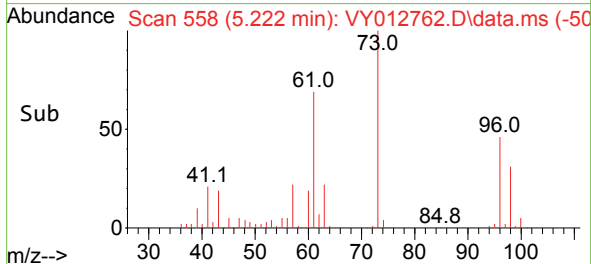
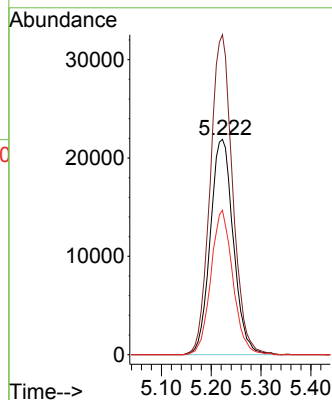
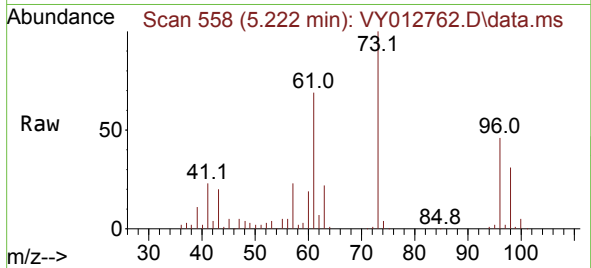




#21  
trans-1,2-Dichloroethene  
Concen: 51.827 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

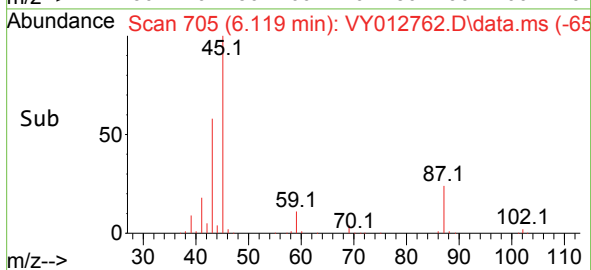
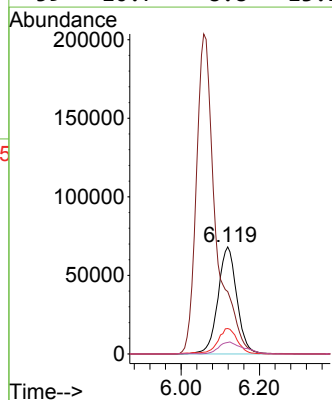
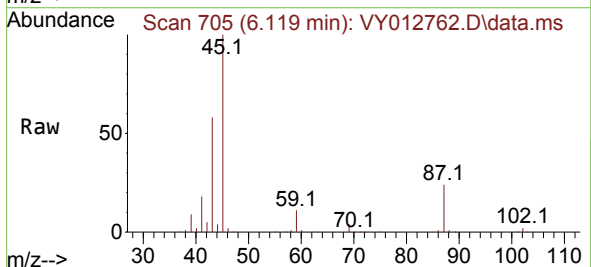
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

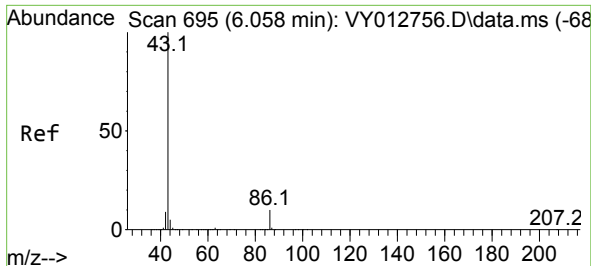
Tgt Ion: 96 Resp: 70466  
Ion Ratio Lower Upper  
96 100  
61 148.6 111.4 167.0  
98 67.1 50.8 76.2



#22  
Diisopropyl ether  
Concen: 54.418 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 45 Resp: 228430  
Ion Ratio Lower Upper  
45 100  
43 57.8 45.0 67.6  
87 23.7 20.3 30.5  
59 10.7 8.8 13.2

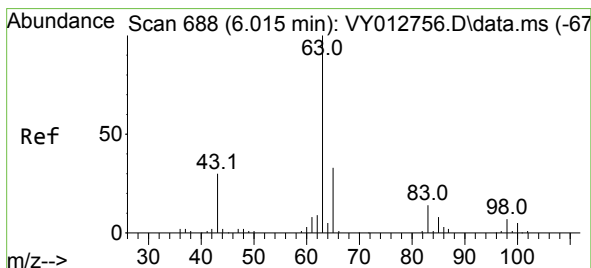
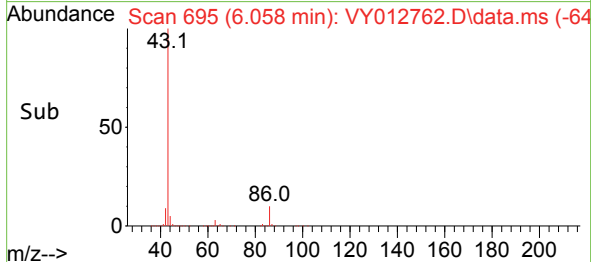
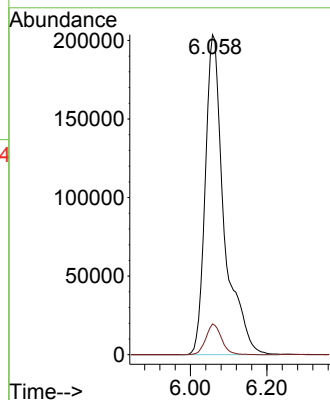
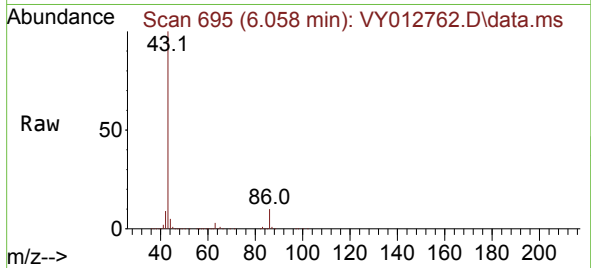




#23  
 Vinyl Acetate  
 Concen: 267.609 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

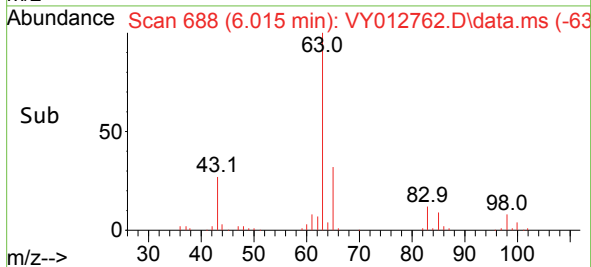
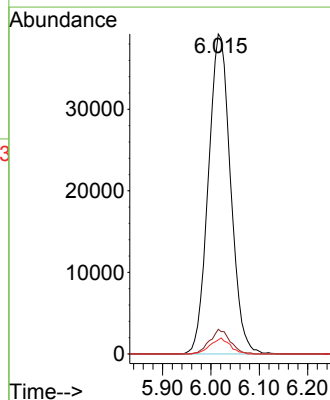
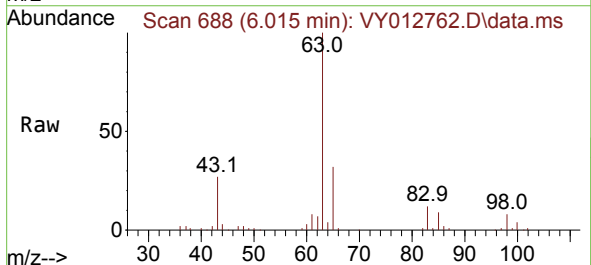
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

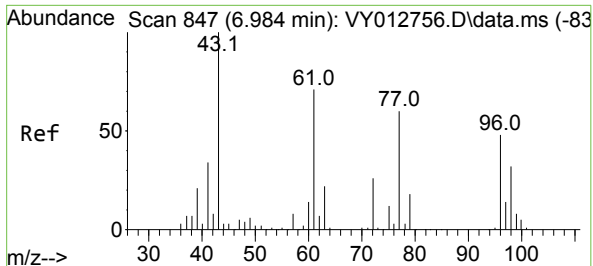
Tgt Ion: 43 Resp: 697982  
 Ion Ratio Lower Upper  
 43 100  
 86 9.6 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 52.264 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

Tgt Ion: 63 Resp: 125015  
 Ion Ratio Lower Upper  
 63 100  
 98 7.7 3.7 11.1  
 100 4.4 2.3 6.8

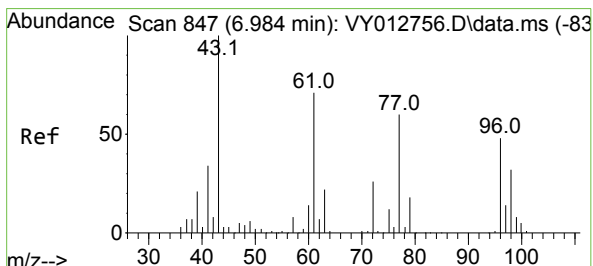
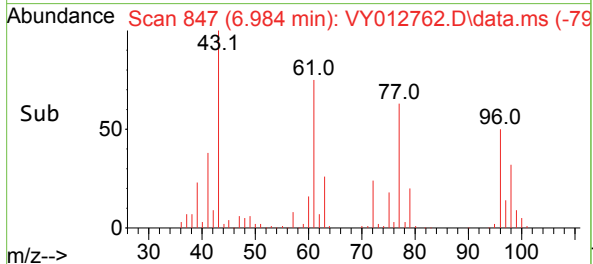
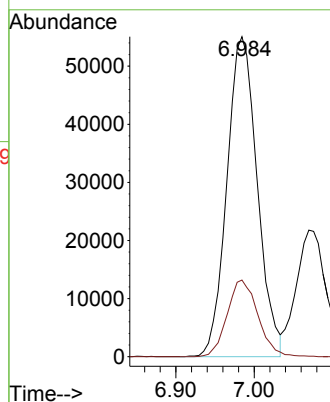
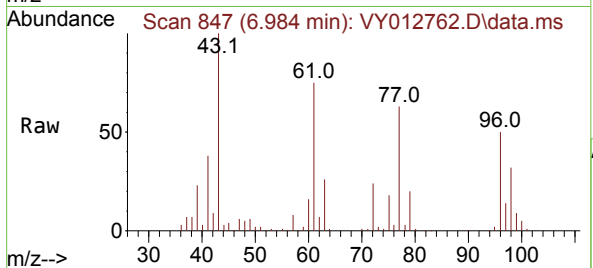




#25  
2-Butanone  
Concen: 253.027 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

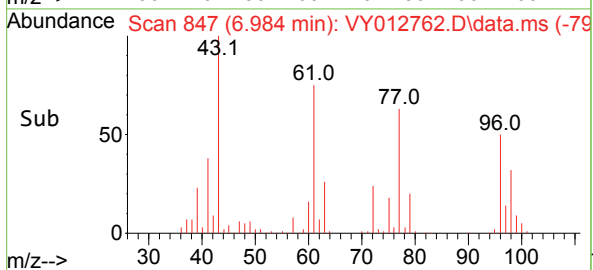
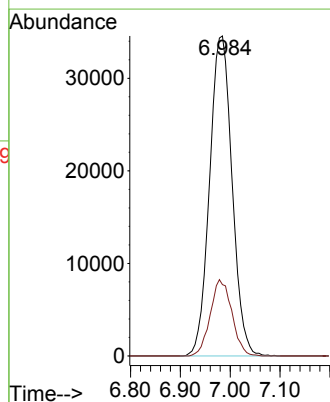
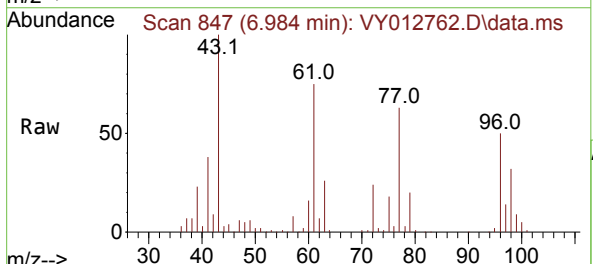
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

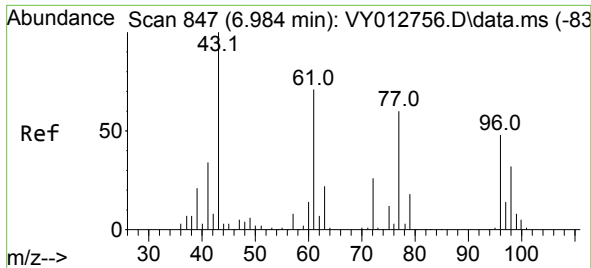
Tgt Ion: 43 Resp: 148390  
Ion Ratio Lower Upper  
43 100  
72 24.0 21.0 31.4



#26  
2,2-Dichloropropane  
Concen: 50.962 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 77 Resp: 108267  
Ion Ratio Lower Upper  
77 100  
97 22.9 11.7 35.0

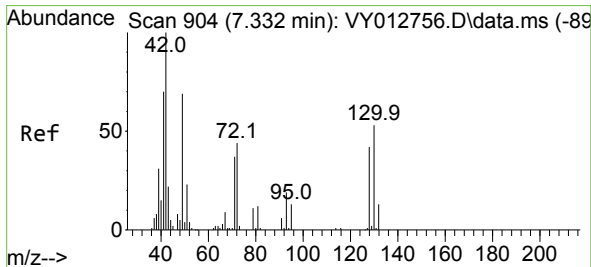
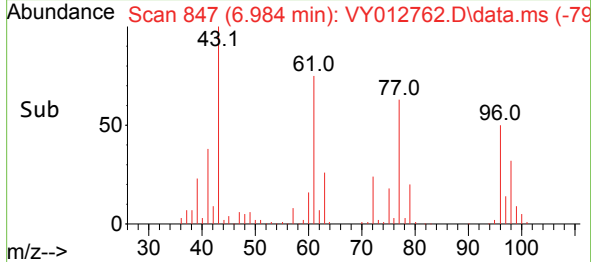
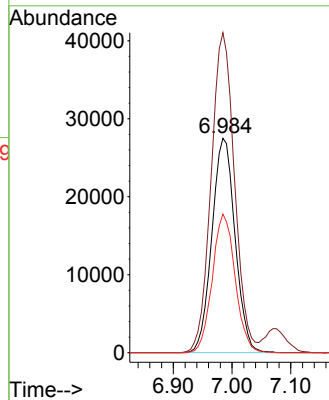
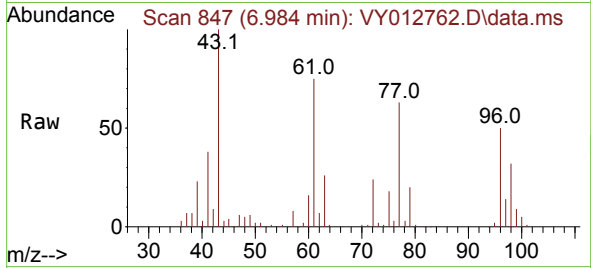




#27  
 cis-1,2-Dichloroethene  
 Concen: 51.743 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

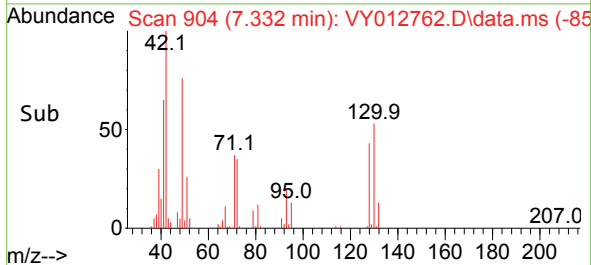
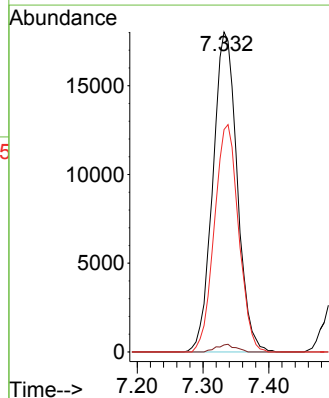
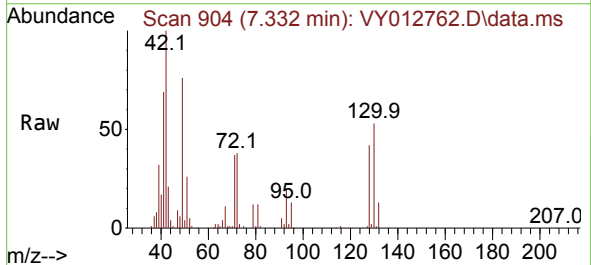
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

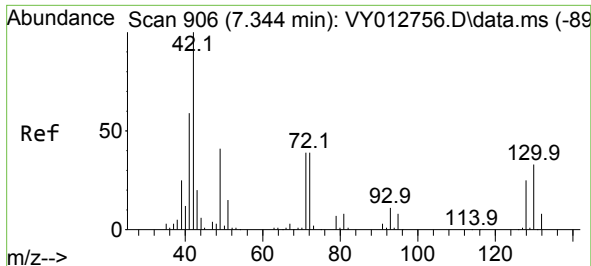
Tgt Ion: 96 Resp: 75426  
 Ion Ratio Lower Upper  
 96 100  
 61 151.0 0.0 295.8  
 98 63.6 0.0 130.2



#28  
 Bromochloromethane  
 Concen: 53.063 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

Tgt Ion: 49 Resp: 46384  
 Ion Ratio Lower Upper  
 49 100  
 129 1.9 0.0 4.2  
 130 70.7 60.5 90.7





#29

Tetrahydrofuran

Concen: 250.784 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

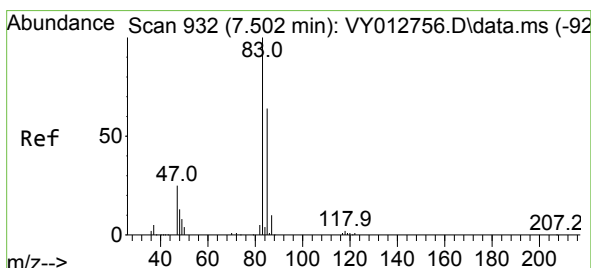
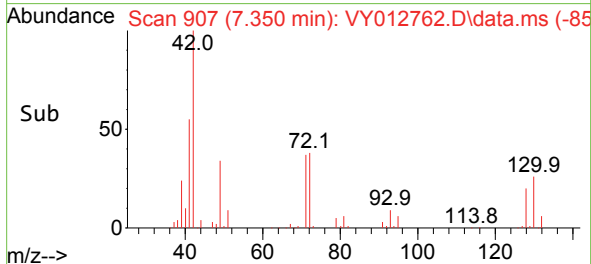
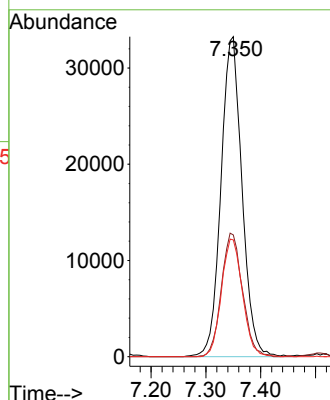
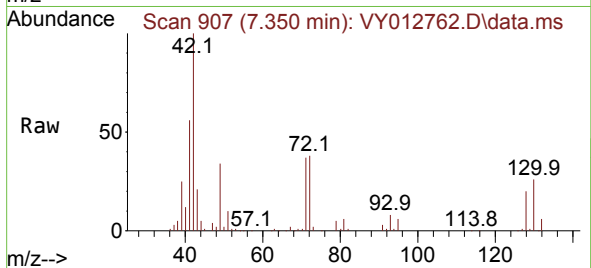
Tgt Ion: 42 Resp: 88704

Ion Ratio Lower Upper

42 100

72 38.7 32.3 48.5

71 36.7 30.3 45.5



#30

Chloroform

Concen: 51.334 ug/l

RT: 7.503 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY012762.D

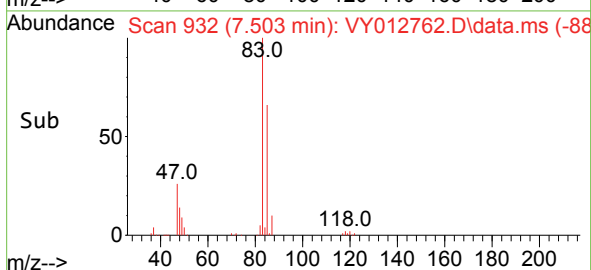
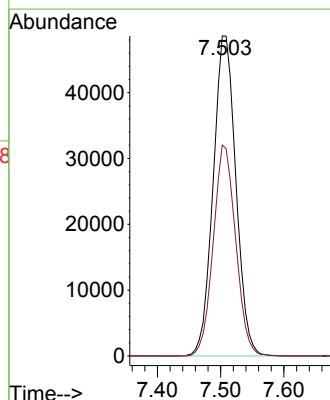
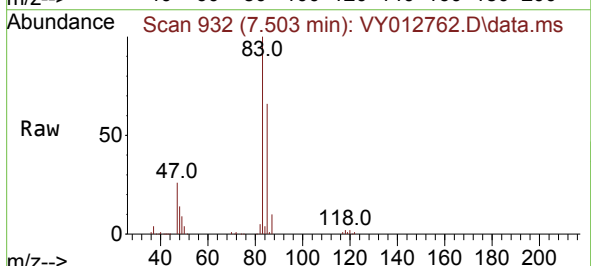
Acq: 02 Mar 2023 16:07

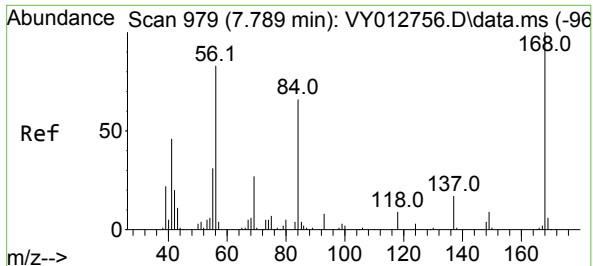
Tgt Ion: 83 Resp: 121288

Ion Ratio Lower Upper

83 100

85 66.0 51.4 77.0





#31

Cyclohexane

Concen: 51.314 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

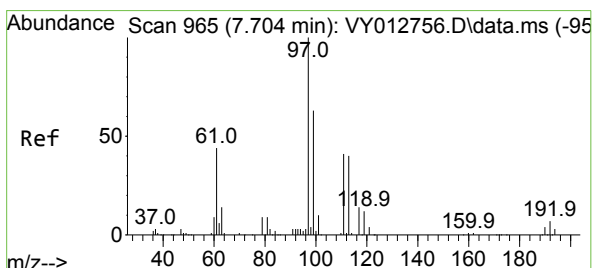
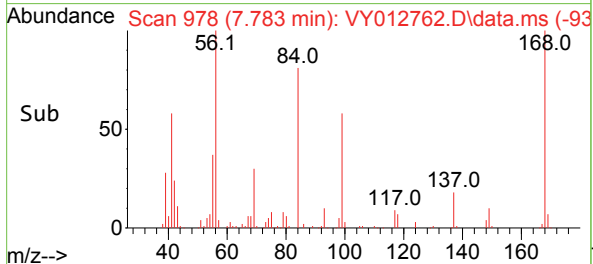
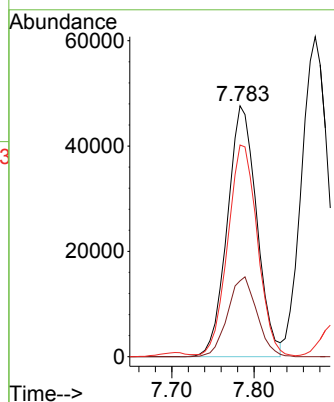
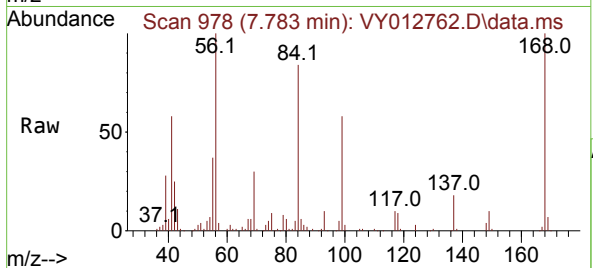
Tgt Ion: 56 Resp: 118553

Ion Ratio Lower Upper

56 100

69 30.2 25.7 38.5

84 82.8 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 51.249 ug/l

RT: 7.704 min Scan# 965

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

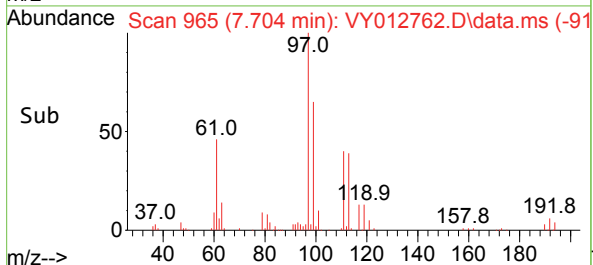
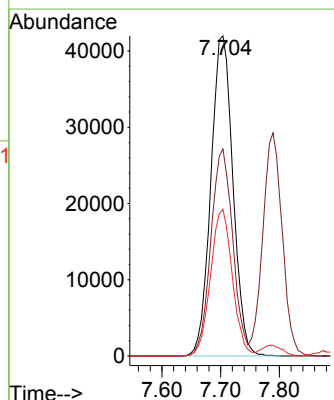
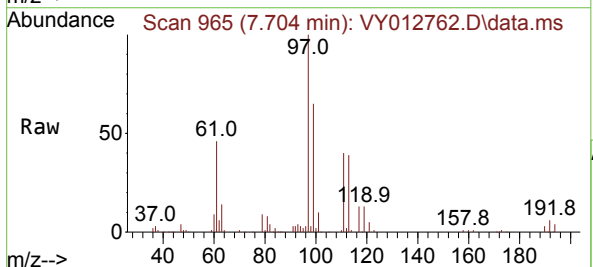
Tgt Ion: 97 Resp: 109502

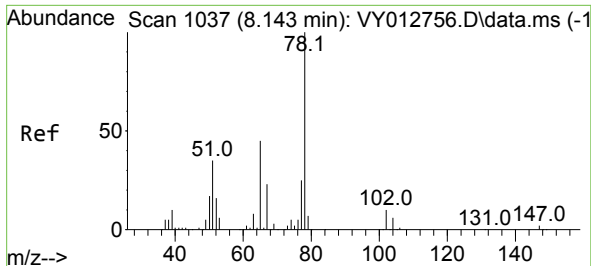
Ion Ratio Lower Upper

97 100

99 64.1 51.0 76.6

61 45.3 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 48.148 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

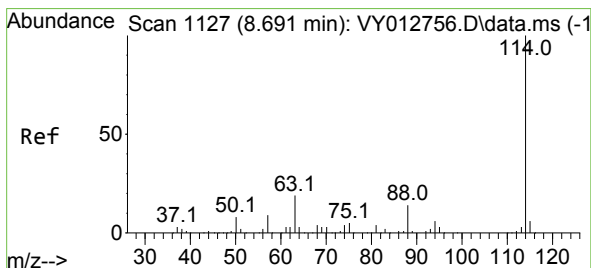
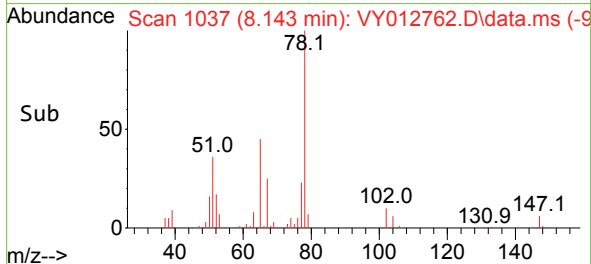
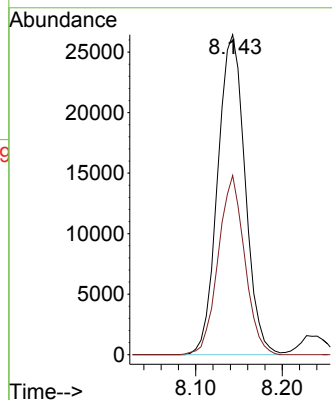
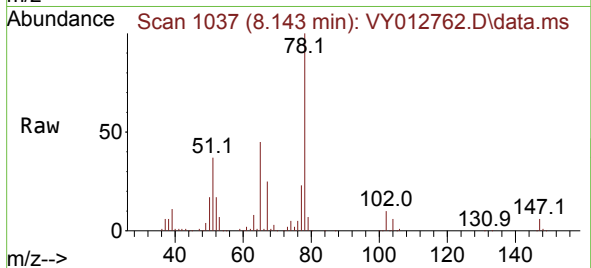
VSTDCCC050

Tgt Ion: 65 Resp: 58082

Ion Ratio Lower Upper

65 100

67 54.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

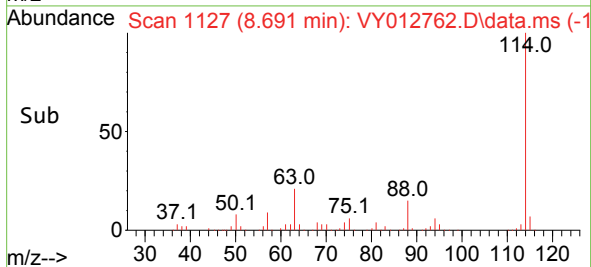
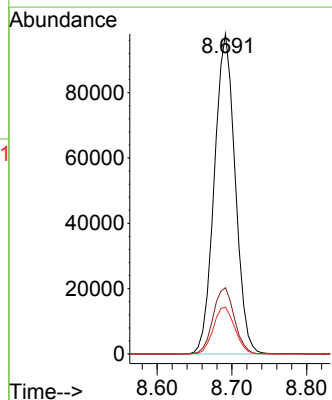
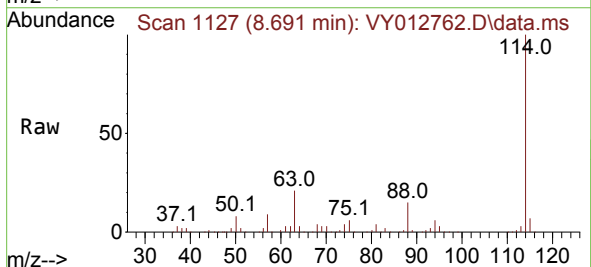
Tgt Ion: 114 Resp: 189894

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

88 14.6 0.0 28.6

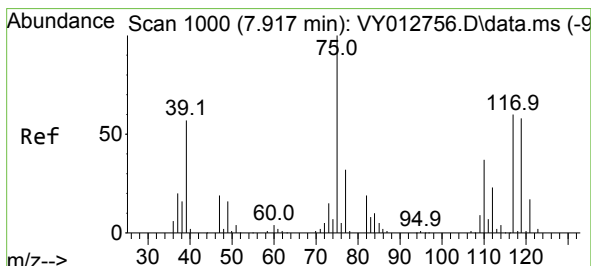
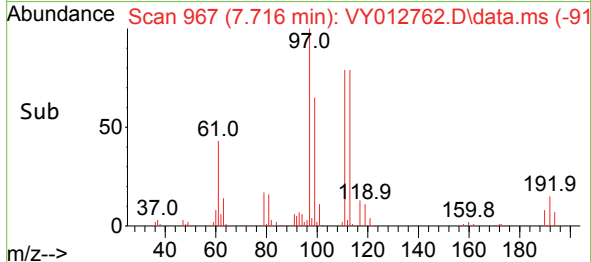
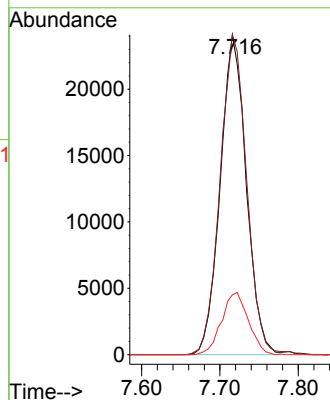
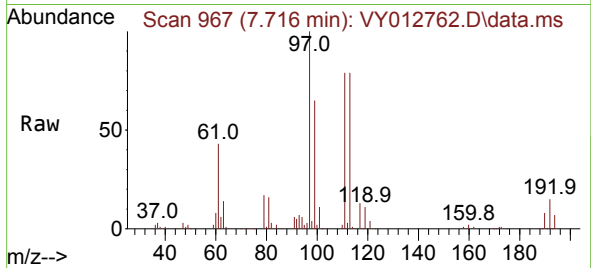




#35  
Dibromofluoromethane  
Concen: 48.434 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

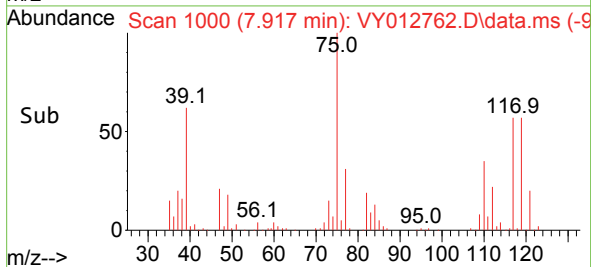
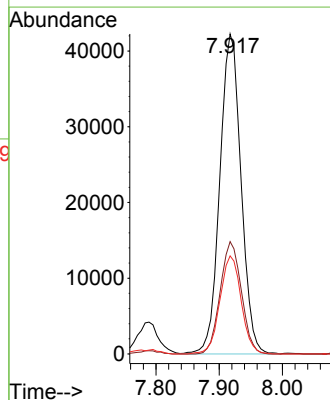
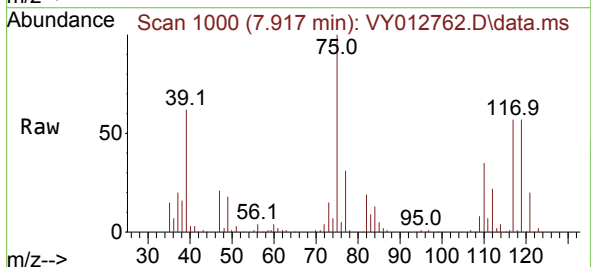
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

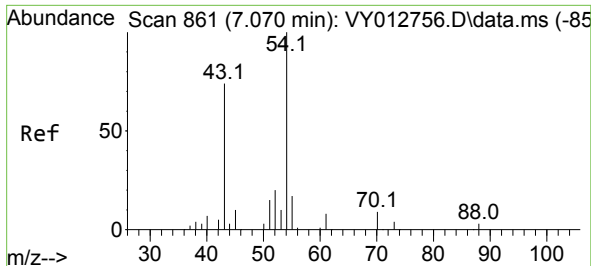
Tgt Ion:113 Resp: 55506  
Ion Ratio Lower Upper  
113 100  
111 102.5 82.2 123.2  
192 20.1 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 51.196 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 75 Resp: 98320  
Ion Ratio Lower Upper  
75 100  
110 35.0 17.8 53.3  
77 30.7 25.0 37.4





#37

Ethyl Acetate

Concen: 49.363 ug/l

RT: 7.070 min Scan# 861

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

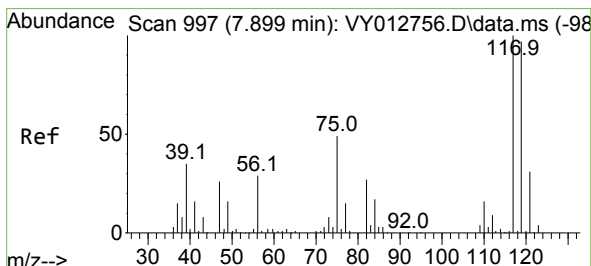
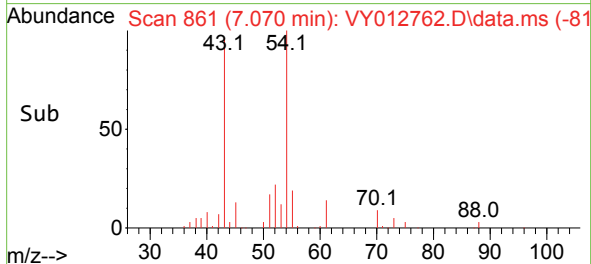
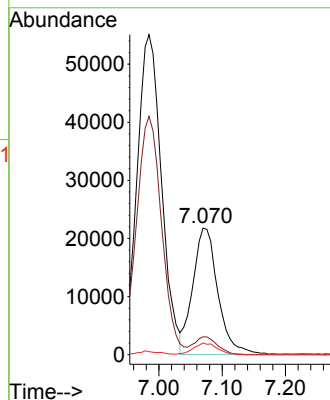
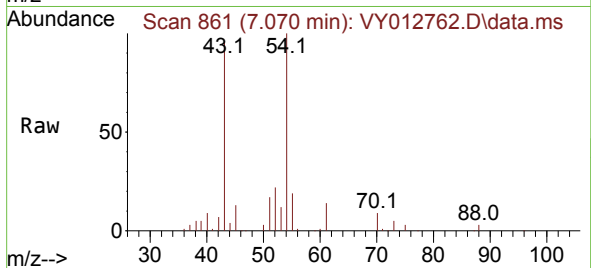
Tgt Ion: 43 Resp: 59751

Ion Ratio Lower Upper

43 100

61 13.0 10.7 16.1

70 8.7 7.8 11.8



#38

Carbon Tetrachloride

Concen: 51.022 ug/l

RT: 7.899 min Scan# 997

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

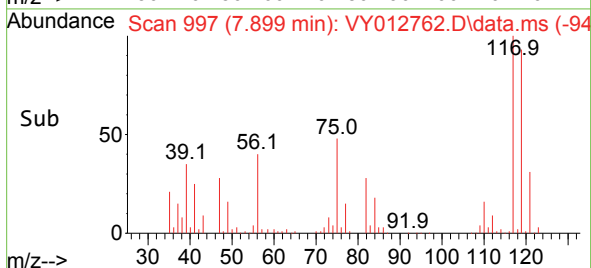
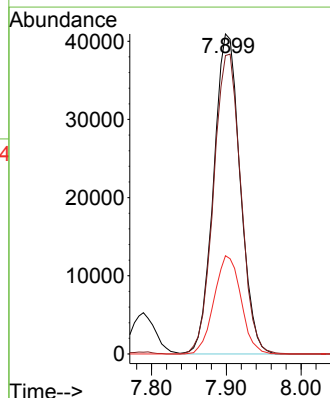
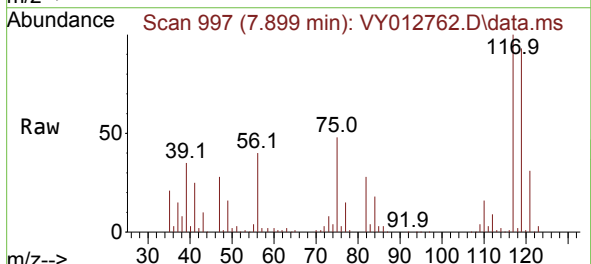
Tgt Ion: 117 Resp: 101185

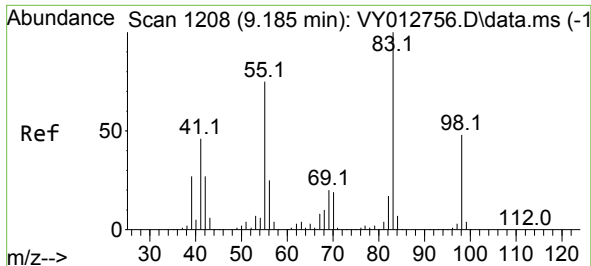
Ion Ratio Lower Upper

117 100

119 93.2 77.2 115.8

121 30.7 24.7 37.1





#39

Methylcyclohexane

Concen: 51.897 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

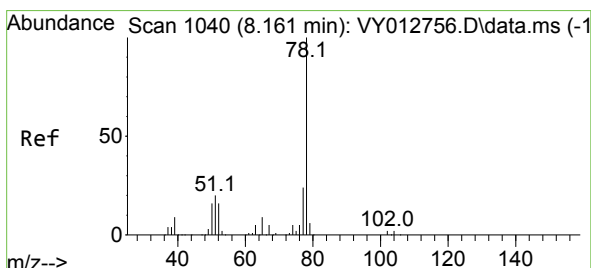
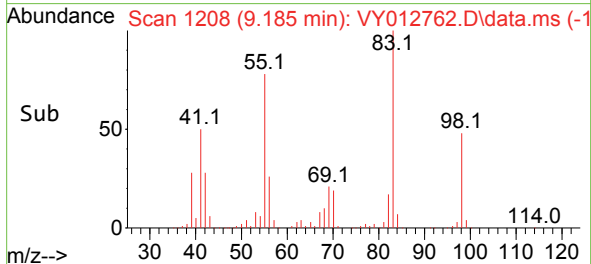
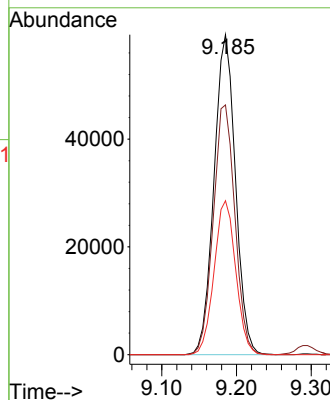
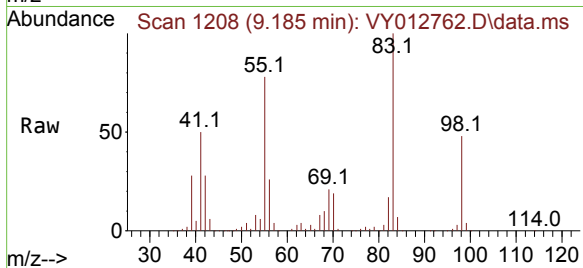
Tgt Ion: 83 Resp: 118491

Ion Ratio Lower Upper

83 100

55 78.1 60.0 90.0

98 48.1 38.3 57.5



#40

Benzene

Concen: 51.185 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY012762.D

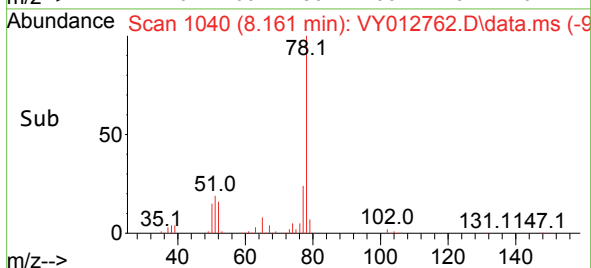
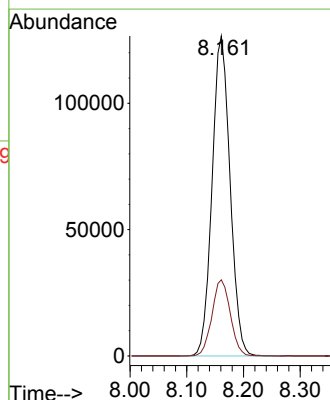
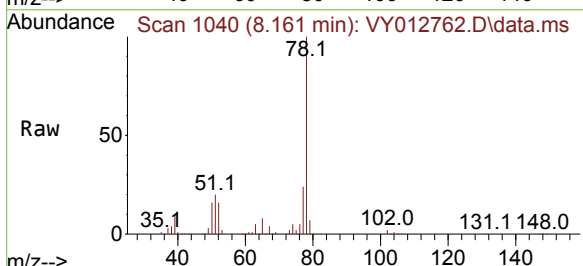
Acq: 02 Mar 2023 16:07

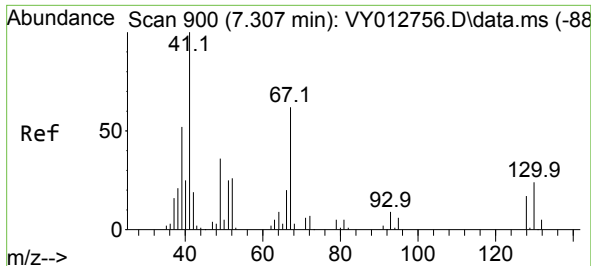
Tgt Ion: 78 Resp: 278060

Ion Ratio Lower Upper

78 100

77 23.8 19.4 29.0

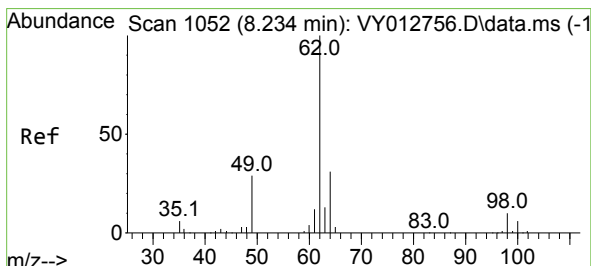
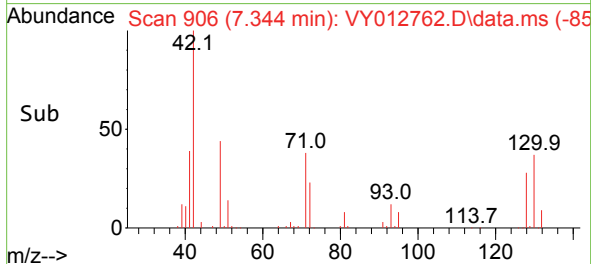
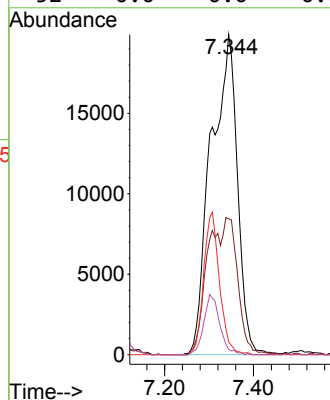
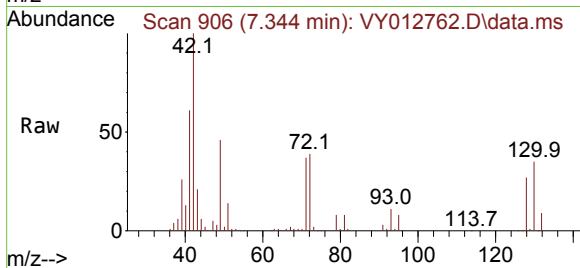




#41  
Methacrylonitrile  
Concen: 125.720 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.037 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

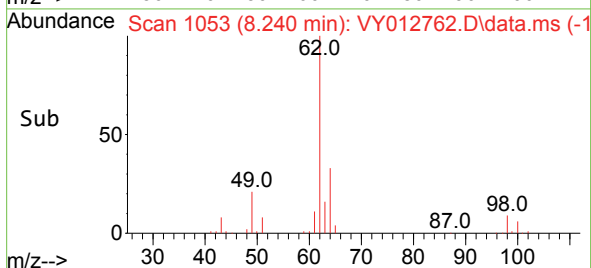
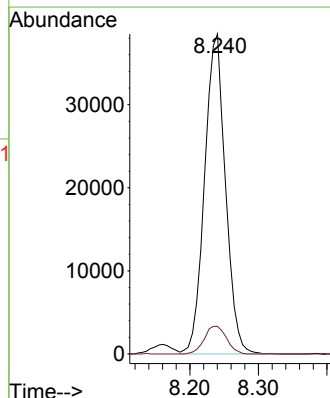
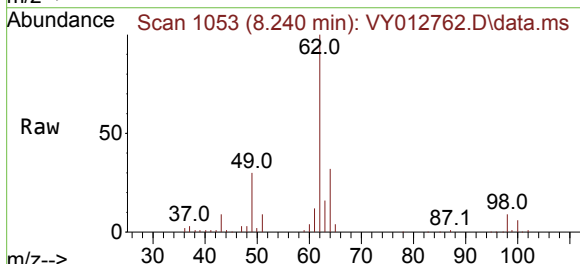
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

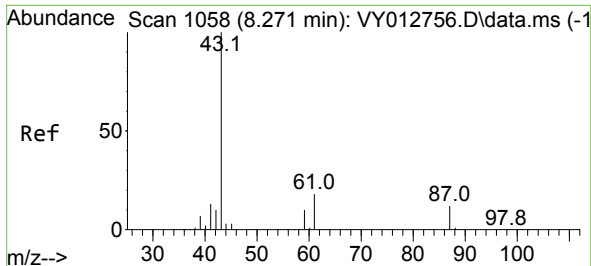
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 81988 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 0.0   | 0.0   | 0.0   |
| 67       | 0.0   | 0.0   | 0.0   |
| 52       | 0.0   | 0.0   | 0.0   |



#42  
1,2-Dichloroethane  
Concen: 49.922 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. 0.006 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 81535 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.2   | 0.0   | 18.8  |

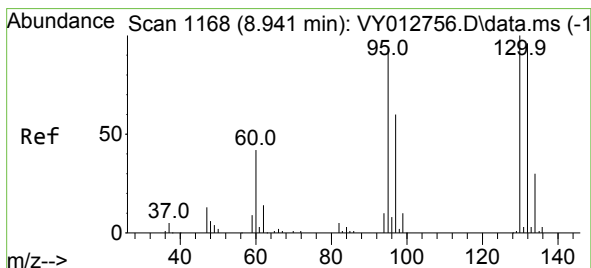
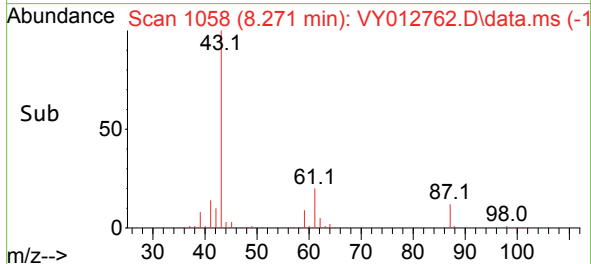
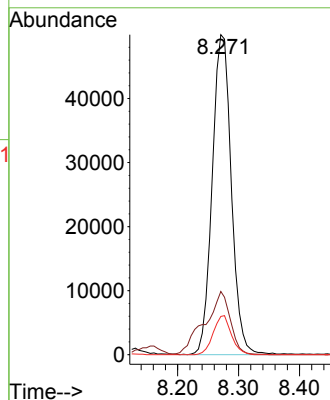
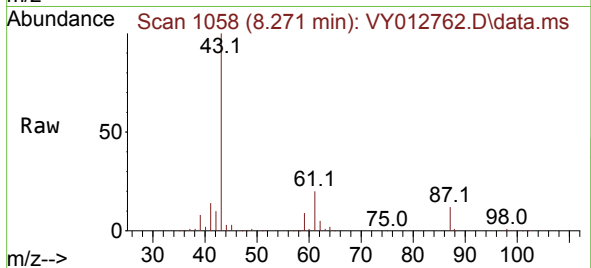




#43  
Isopropyl Acetate  
Concen: 50.481 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

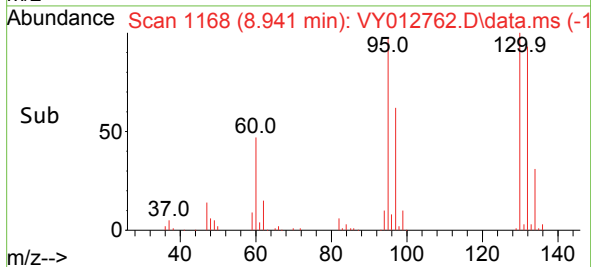
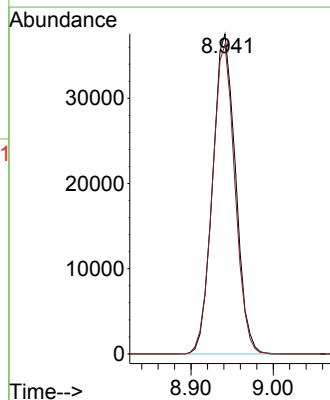
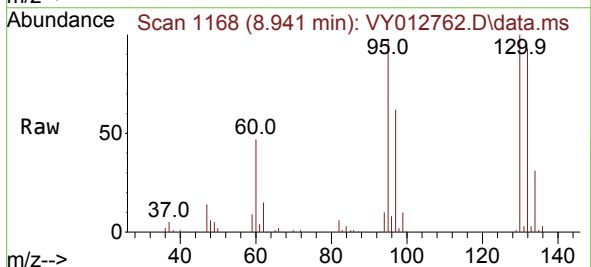
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

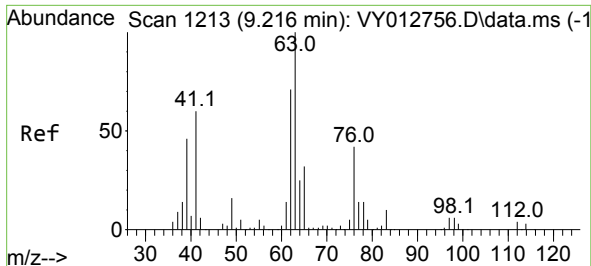
Tgt Ion: 43 Resp: 109017  
Ion Ratio Lower Upper  
43 100  
61 26.5 21.6 32.4  
87 11.6 9.9 14.9



#44  
Trichloroethene  
Concen: 50.561 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 130 Resp: 72418  
Ion Ratio Lower Upper  
130 100  
95 96.7 0.0 185.0

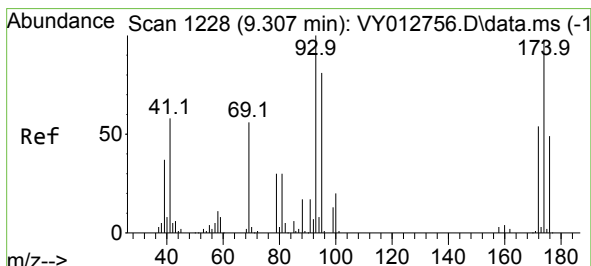
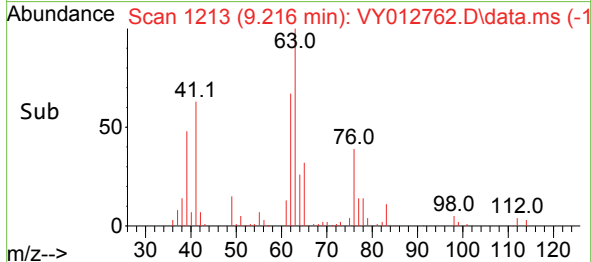
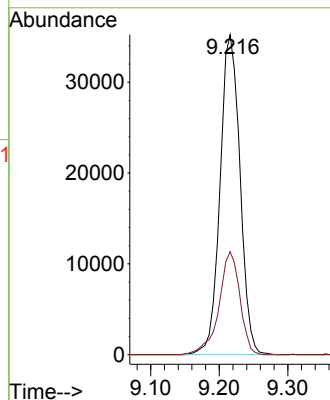
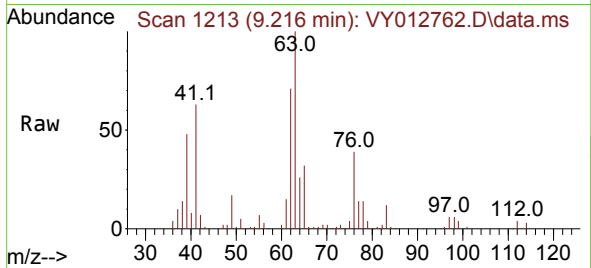




#45  
1,2-Dichloropropane  
Concen: 51.712 ug/l  
RT: 9.216 min Scan# 1213  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

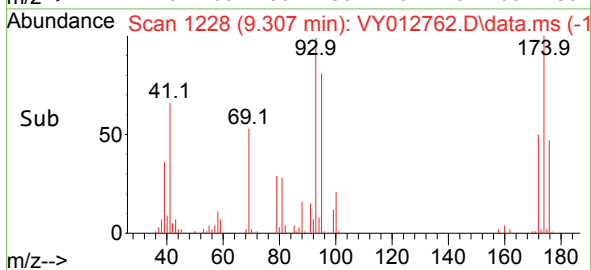
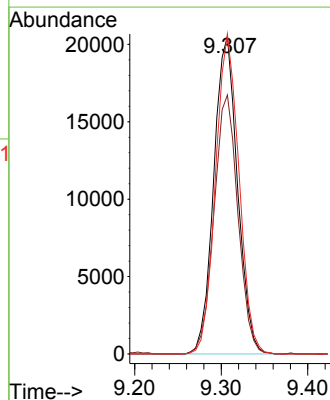
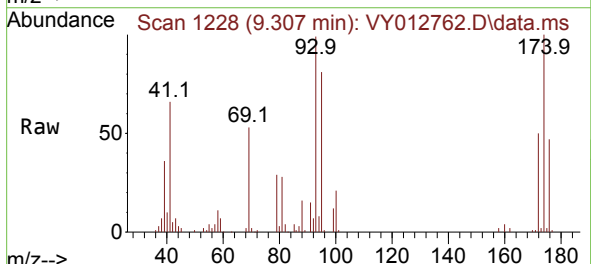
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

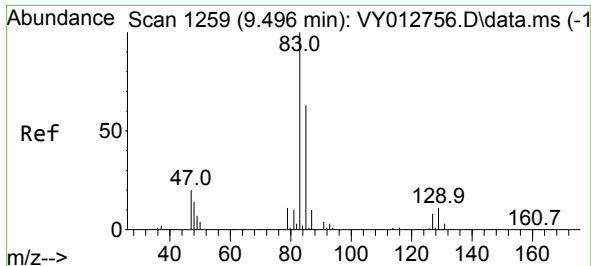
Tgt Ion: 63 Resp: 70997  
Ion Ratio Lower Upper  
63 100  
65 32.2 25.7 38.5



#46  
Dibromomethane  
Concen: 49.829 ug/l  
RT: 9.307 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 93 Resp: 38974  
Ion Ratio Lower Upper  
93 100  
95 82.2 65.6 98.4  
174 99.5 81.3 121.9

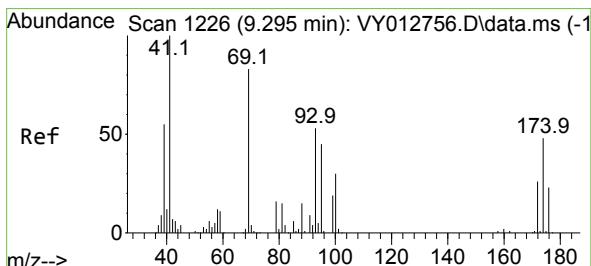
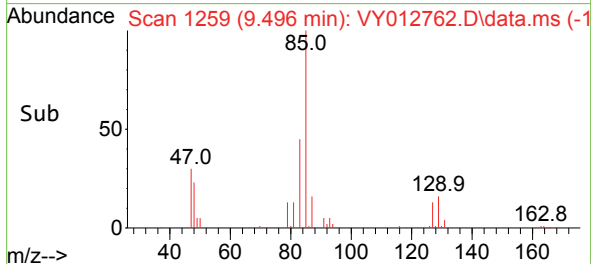
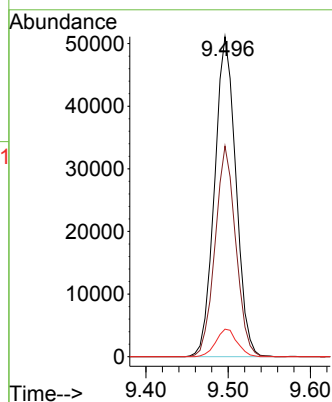
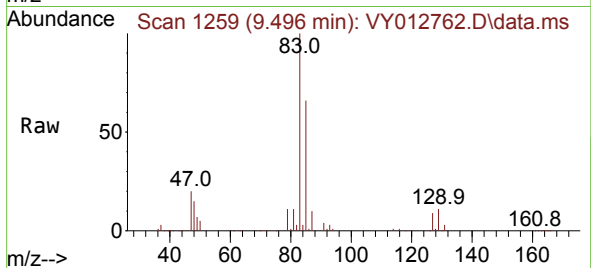




#47  
Bromodichloromethane  
Concen: 49.986 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

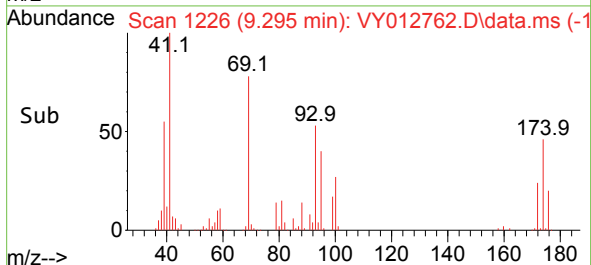
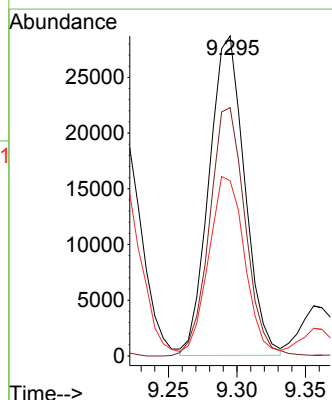
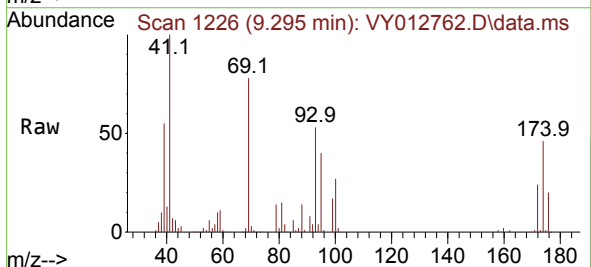
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

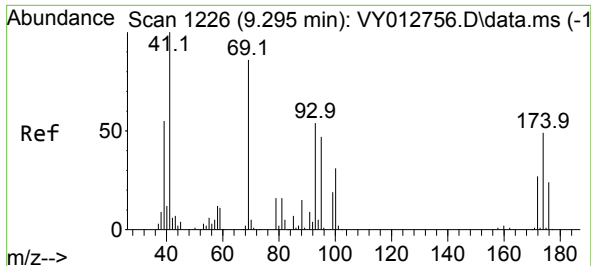
Tgt Ion: 83 Resp: 92133  
Ion Ratio Lower Upper  
83 100  
85 65.8 50.2 75.4  
127 8.6 6.3 9.5



#48  
Methyl methacrylate  
Concen: 52.014 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 41 Resp: 51758  
Ion Ratio Lower Upper  
41 100  
69 77.9 64.1 96.1  
39 54.4 44.0 66.0





#49

1,4-Dioxane

Concen: 953.089 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

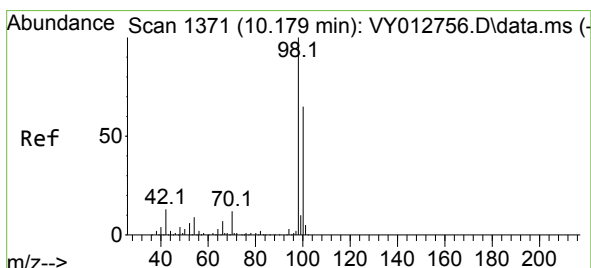
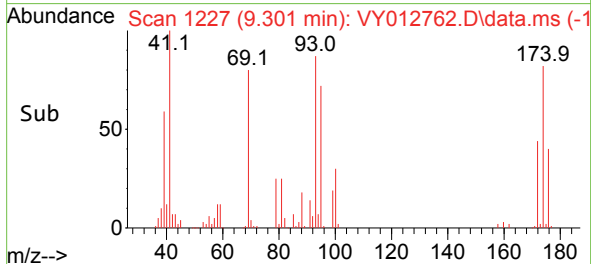
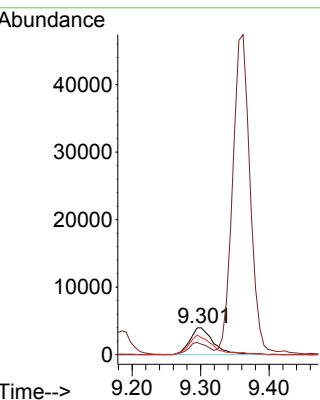
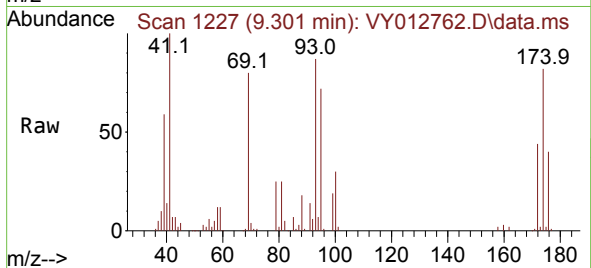
Tgt Ion: 88 Resp: 9637

Ion Ratio Lower Upper

88 100

43 37.9 28.6 42.8

58 73.9 55.2 82.8



#50

Toluene-d8

Concen: 47.959 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012762.D

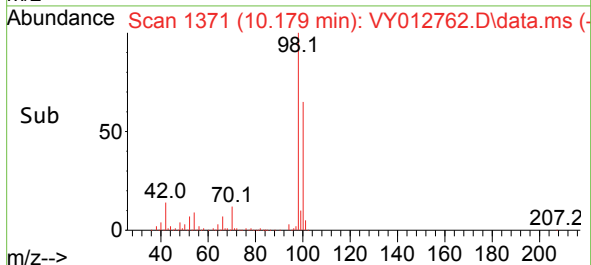
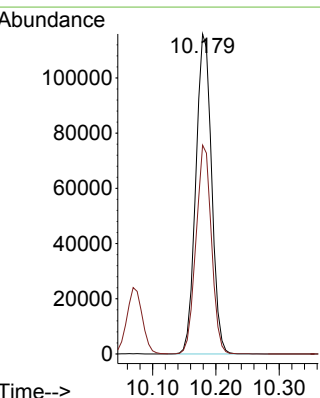
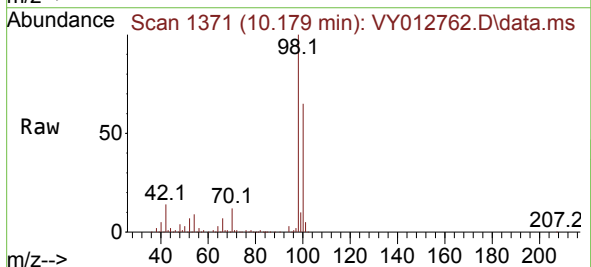
Acq: 02 Mar 2023 16:07

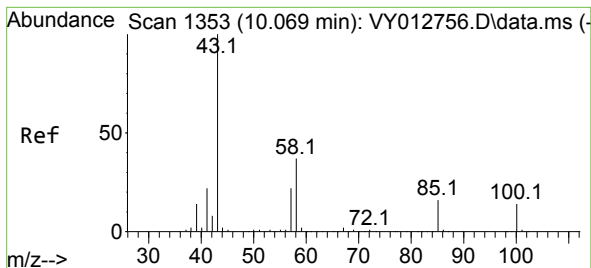
Tgt Ion: 98 Resp: 200926

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3

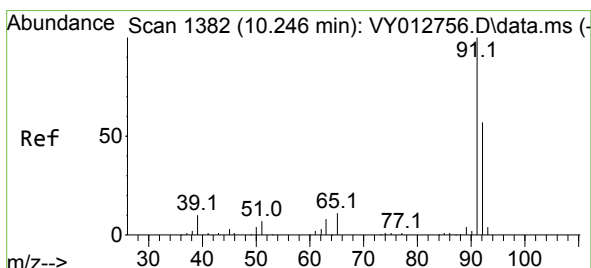
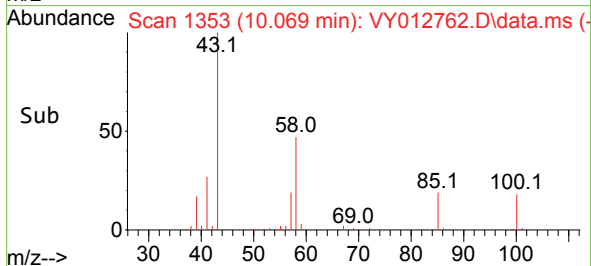
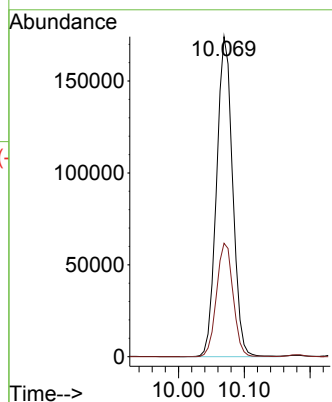
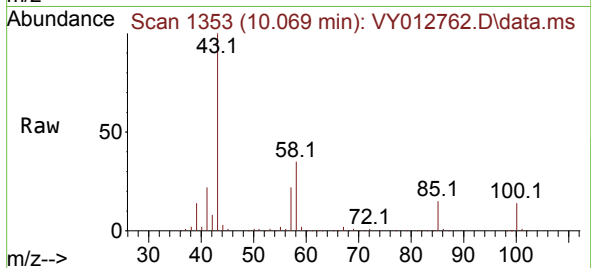




#51  
4-Methyl-2-Pentanone  
Concen: 252.717 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

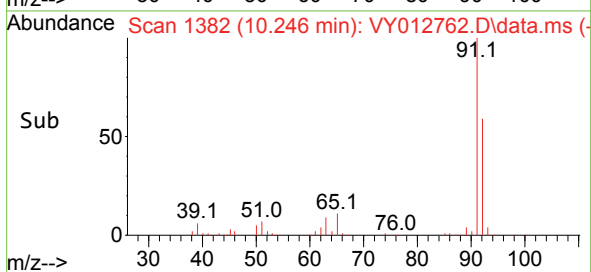
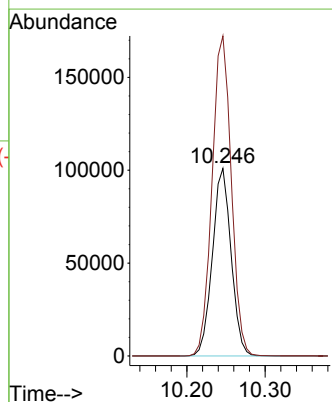
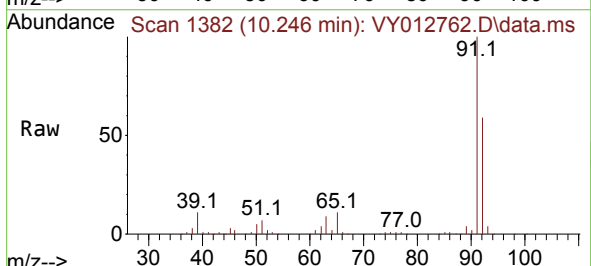
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

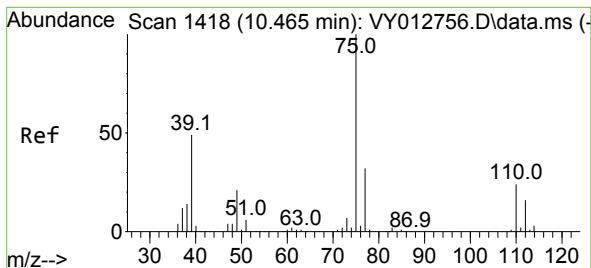
Tgt Ion: 43 Resp: 296039  
Ion Ratio Lower Upper  
43 100  
58 36.6 29.8 44.6



#52  
Toluene  
Concen: 51.113 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 92 Resp: 167459  
Ion Ratio Lower Upper  
92 100  
91 175.3 141.3 211.9

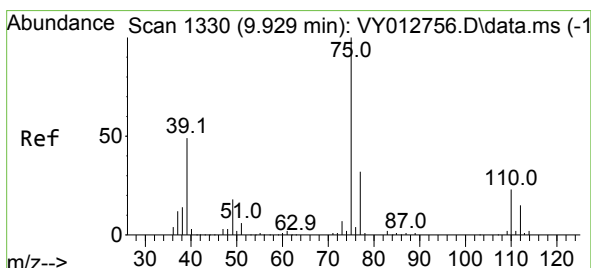
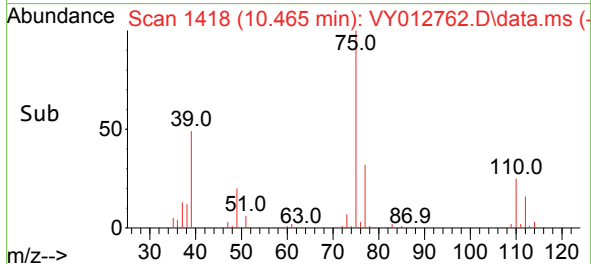
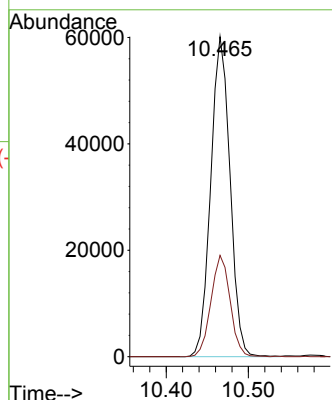
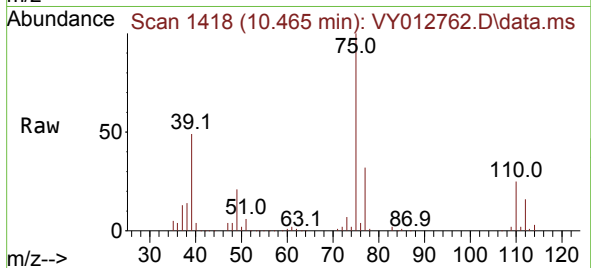




#53  
t-1,3-Dichloropropene  
Concen: 50.754 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

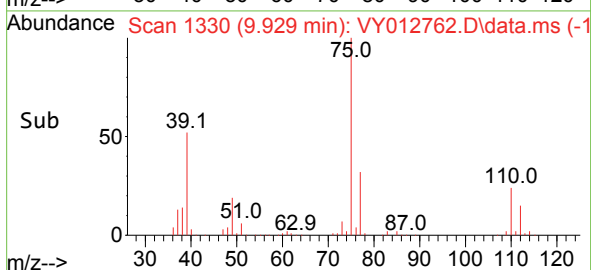
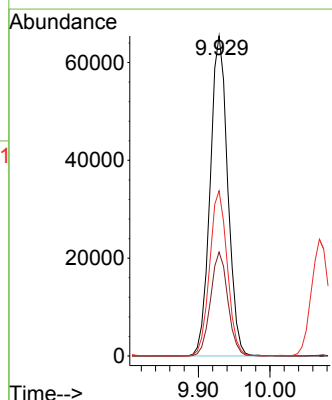
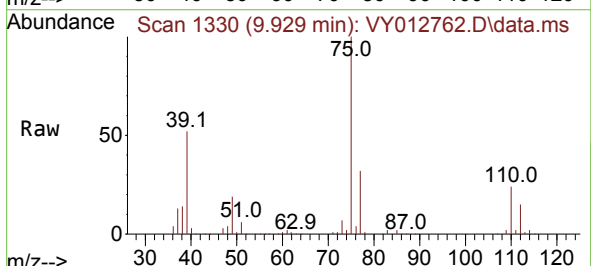
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

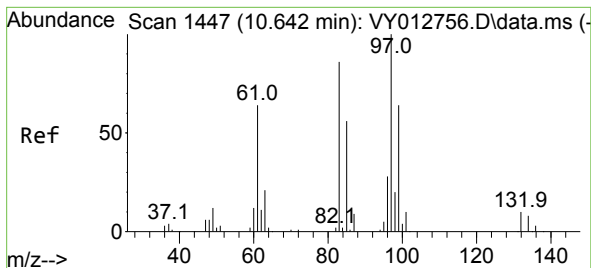
Tgt Ion: 75 Resp: 98124  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 50.941 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 75 Resp: 111473  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.4 38.0  
39 51.6 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 47.953 ug/l

RT: 10.648 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 52234

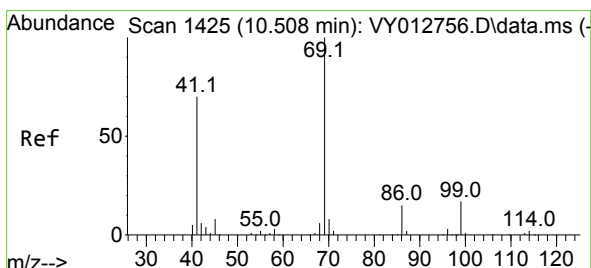
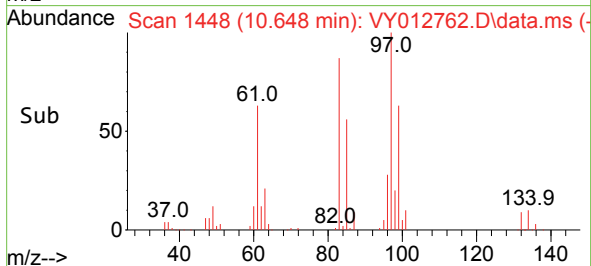
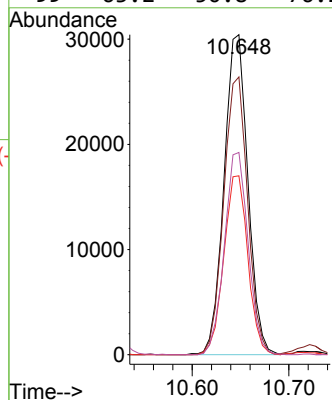
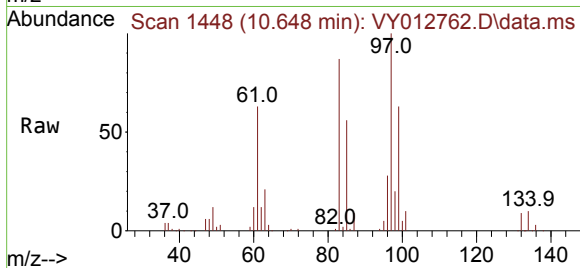
Ion Ratio Lower Upper

97 100

83 86.8 69.0 103.6

85 55.9 44.9 67.3

99 63.2 50.8 76.2



#56

Ethyl methacrylate

Concen: 51.564 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

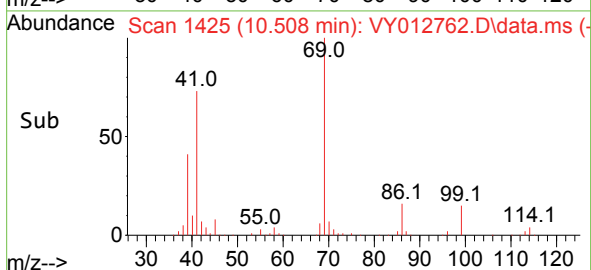
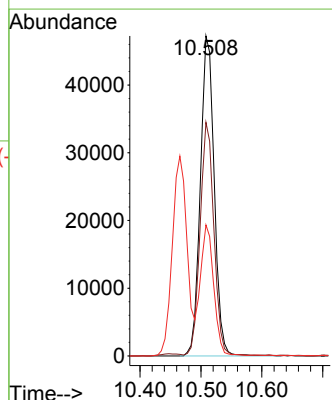
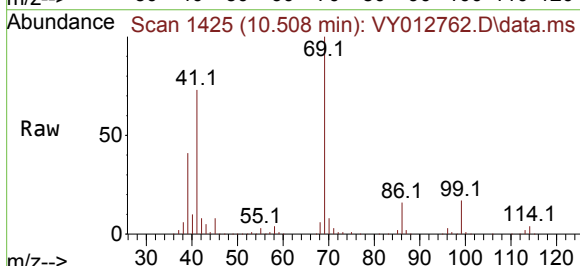
Tgt Ion: 69 Resp: 74892

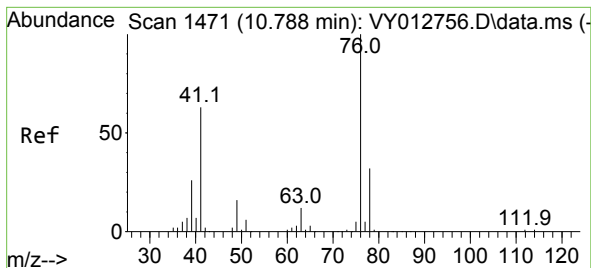
Ion Ratio Lower Upper

69 100

41 72.2 56.4 84.6

39 38.7 30.8 46.2





#57

1,3-Dichloropropane

Concen: 49.522 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

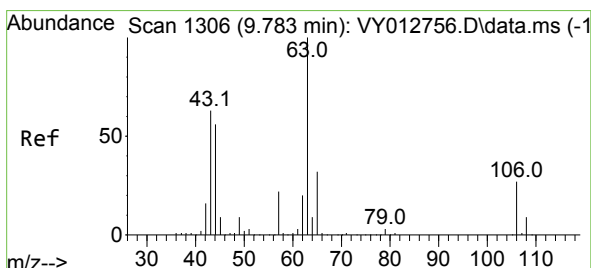
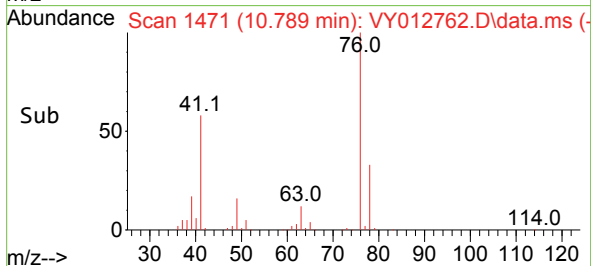
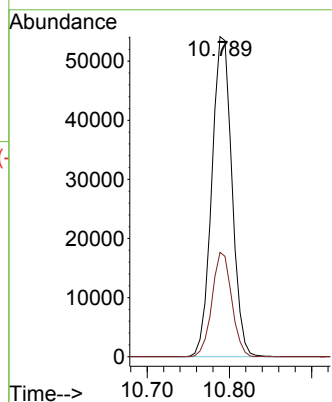
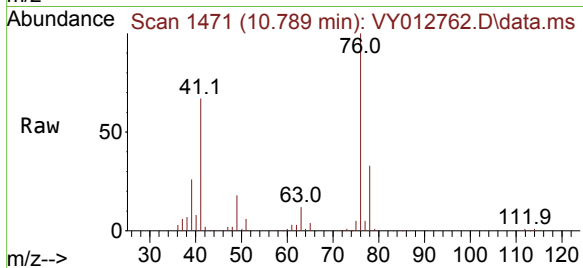
VSTDCCC050

Tgt Ion: 76 Resp: 91879

Ion Ratio Lower Upper

76 100

78 31.9 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 254.344 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.000 min

Lab File: VY012762.D

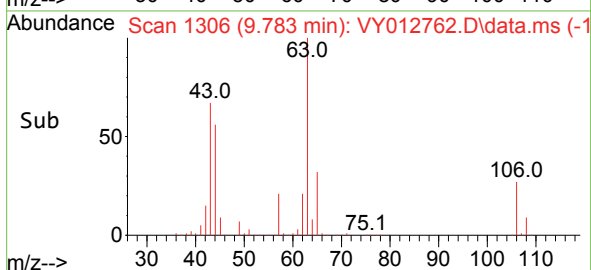
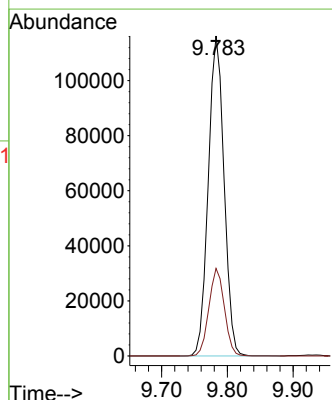
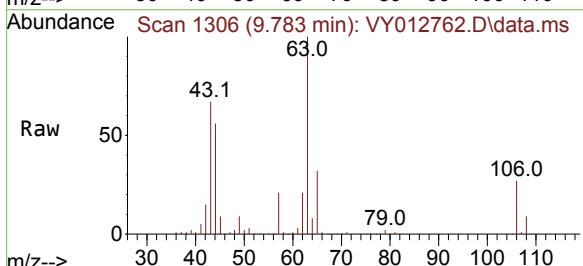
Acq: 02 Mar 2023 16:07

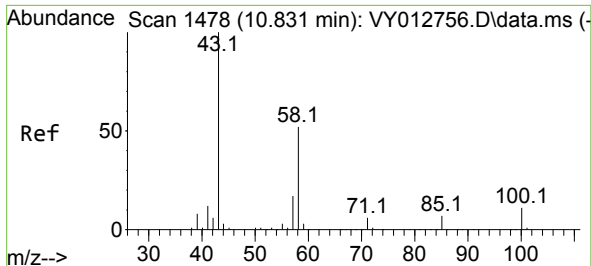
Tgt Ion: 63 Resp: 193928

Ion Ratio Lower Upper

63 100

106 26.8 22.1 33.1

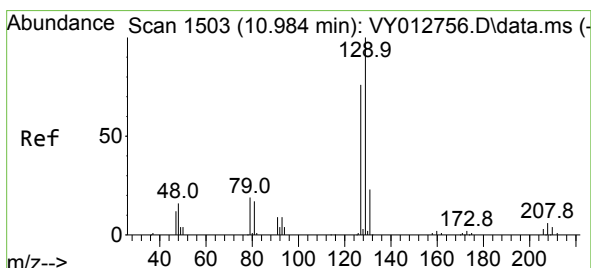
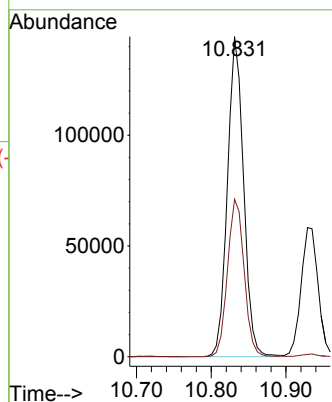
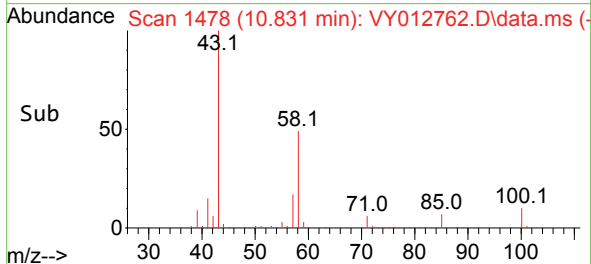
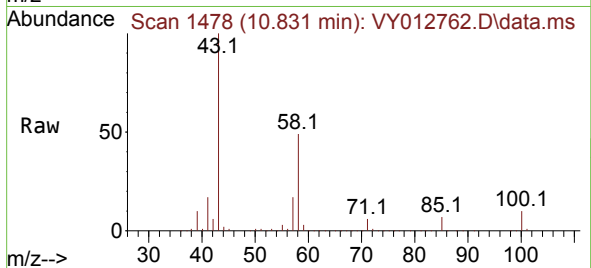




#59  
2-Hexanone  
Concen: 255.729 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

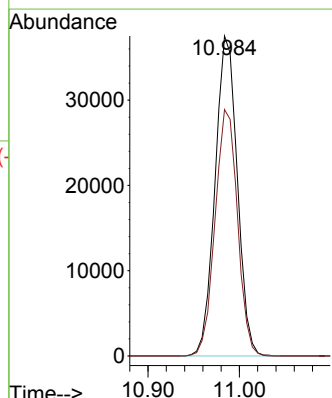
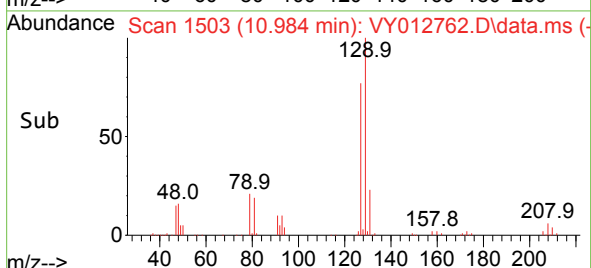
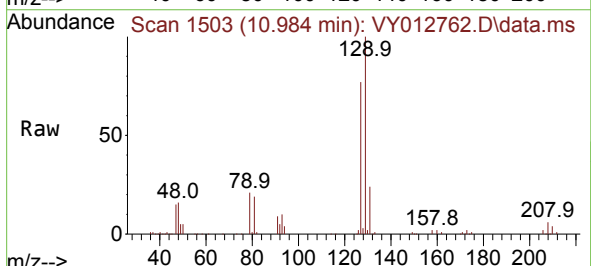
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

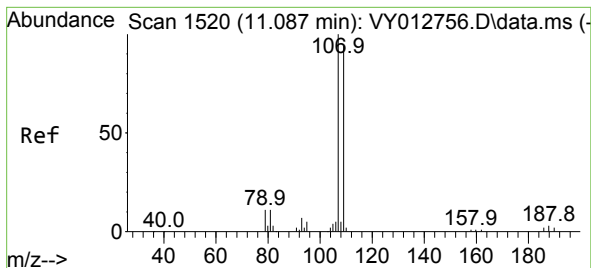
Tgt Ion: 43 Resp: 217721  
Ion Ratio Lower Upper  
43 100  
58 50.6 25.9 77.8



#60  
Dibromochloromethane  
Concen: 47.811 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 129 Resp: 63395  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 47.112 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

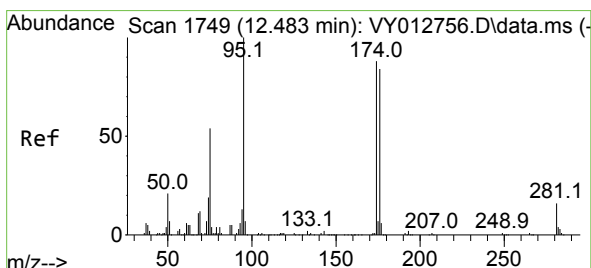
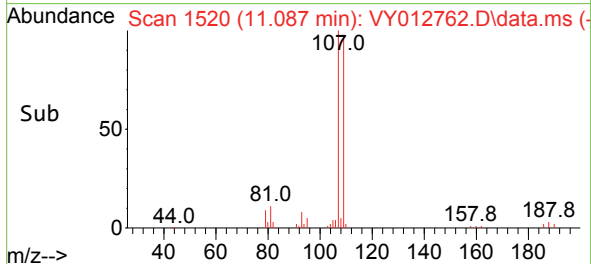
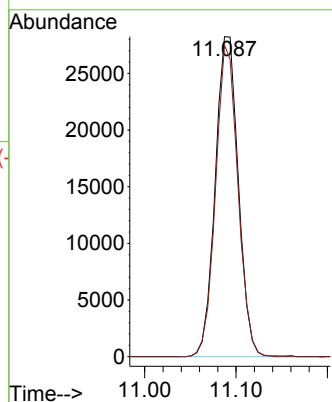
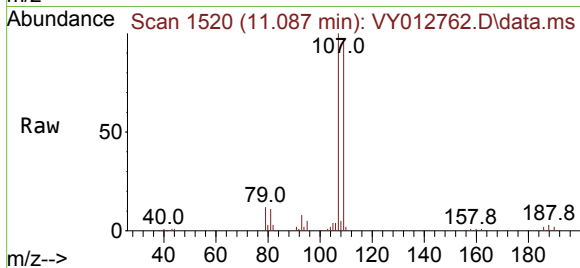
VSTDCCC050

Tgt Ion:107 Resp: 49434

Ion Ratio Lower Upper

107 100

109 94.3 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 47.039 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

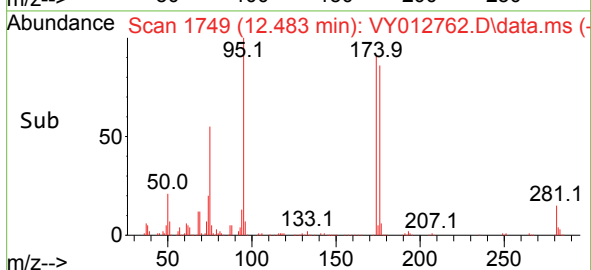
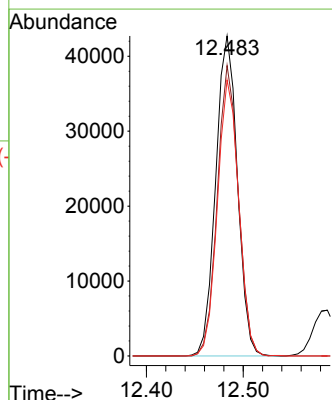
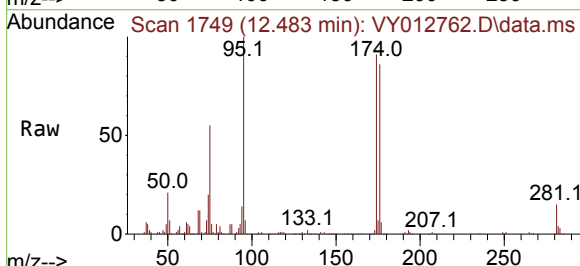
Tgt Ion: 95 Resp: 66517

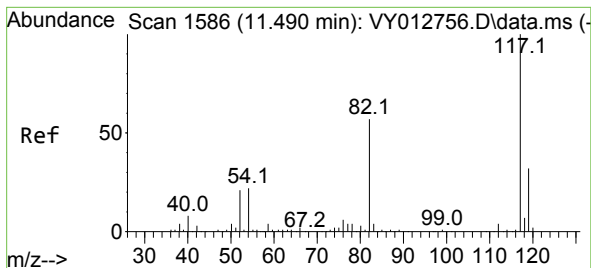
Ion Ratio Lower Upper

95 100

174 88.2 0.0 176.6

176 84.8 0.0 170.2

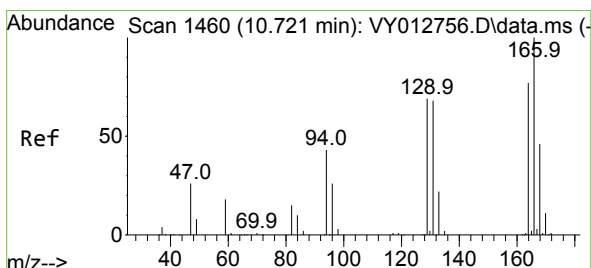
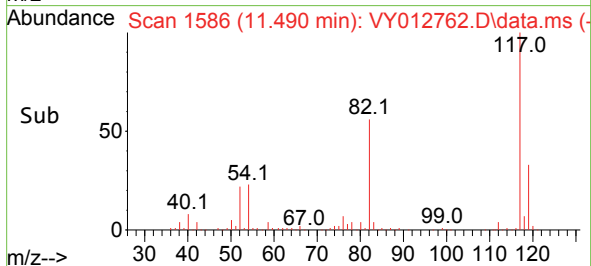
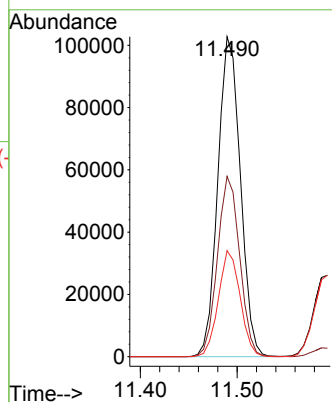
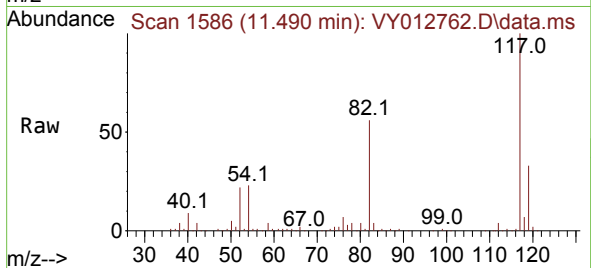




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

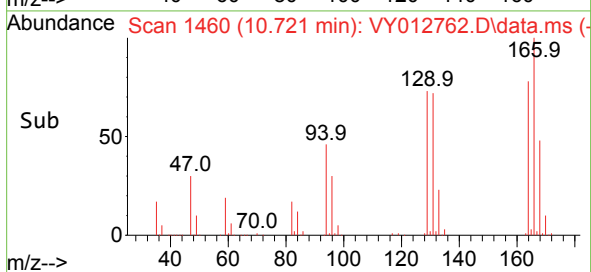
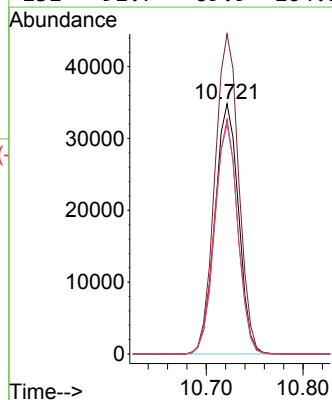
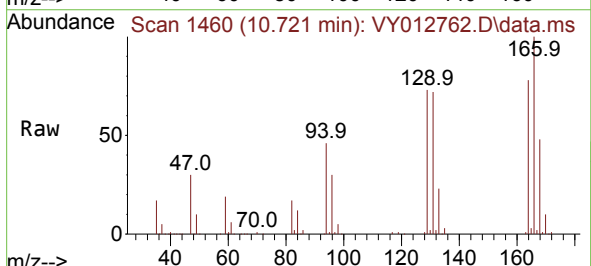
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

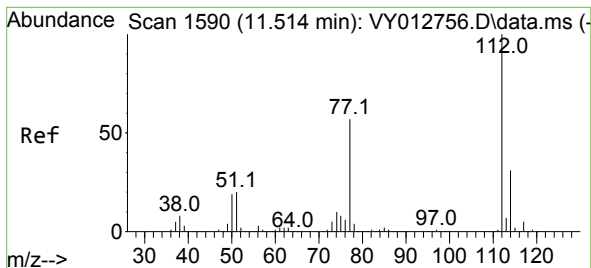
Tgt Ion:117 Resp: 165848  
Ion Ratio Lower Upper  
117 100  
82 56.4 45.4 68.0  
119 33.1 25.6 38.4



#64  
Tetrachloroethene  
Concen: 48.774 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion:164 Resp: 58894  
Ion Ratio Lower Upper  
164 100  
166 127.9 103.4 155.2  
129 93.8 71.4 107.2  
131 91.7 69.9 104.9





#65

Chlorobenzene

Concen: 50.248 ug/l

RT: 11.520 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

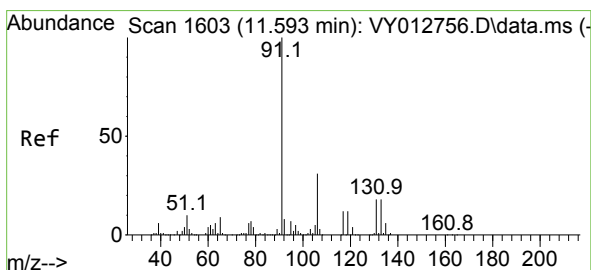
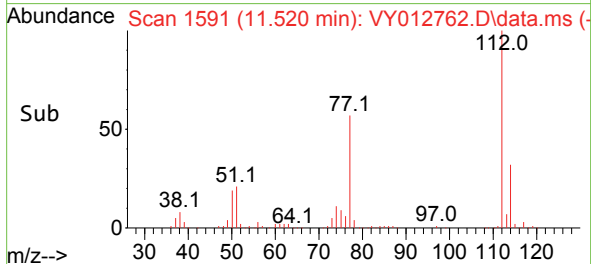
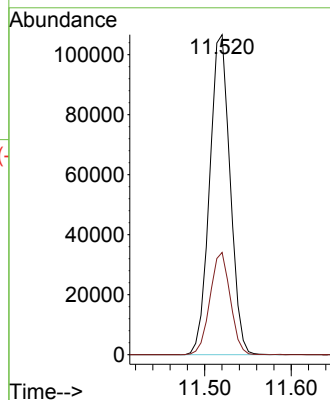
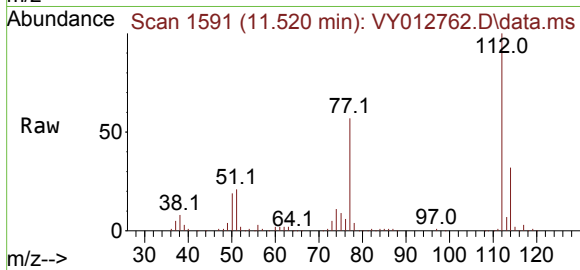
VSTDCCC050

Tgt Ion:112 Resp: 174901

Ion Ratio Lower Upper

112 100

114 32.0 24.5 36.7



#66

1,1,1,2-Tetrachloroethane

Concen: 49.990 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

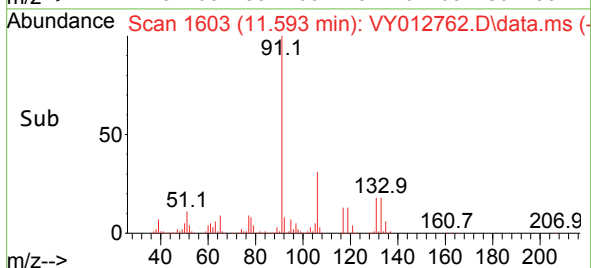
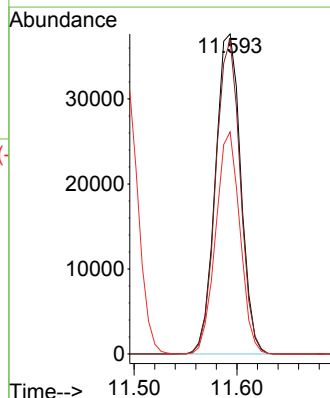
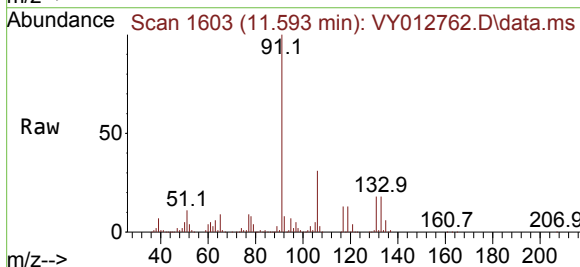
Tgt Ion:131 Resp: 64387

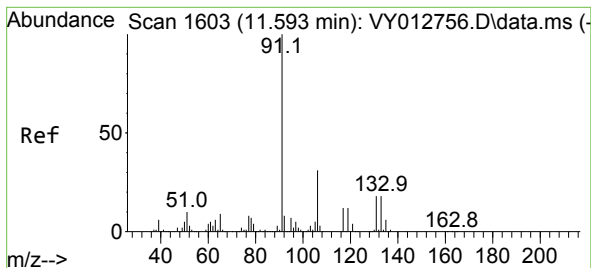
Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.0

119 66.5 32.6 98.0





#67

Ethyl Benzene

Concen: 51.963 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

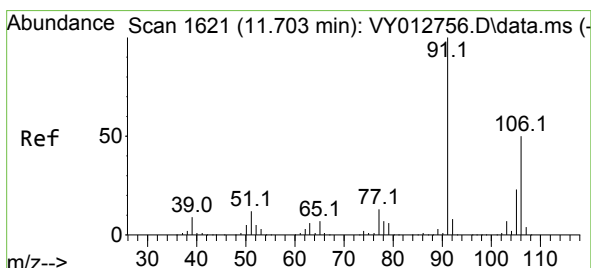
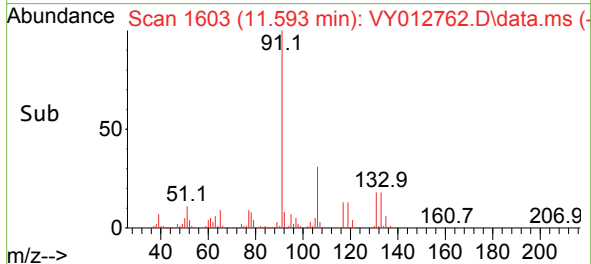
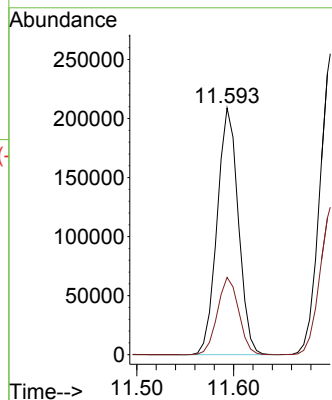
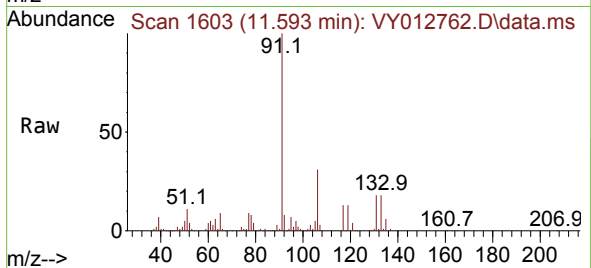
VSTDCCC050

Tgt Ion: 91 Resp: 318000

Ion Ratio Lower Upper

91 100

106 31.3 25.1 37.7



#68

m/p-Xylenes

Concen: 103.496 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY012762.D

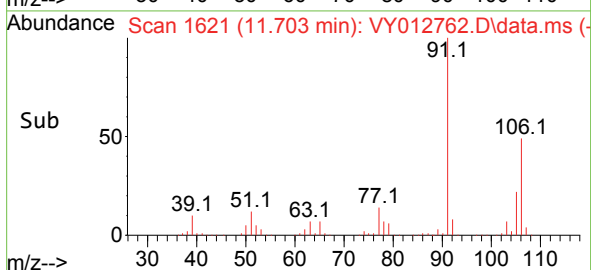
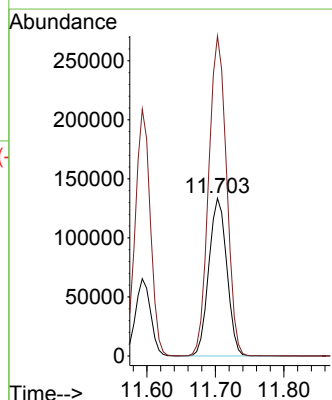
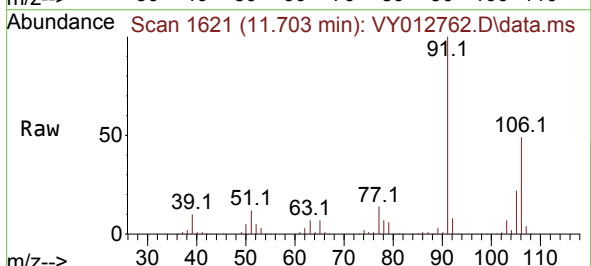
Acq: 02 Mar 2023 16:07

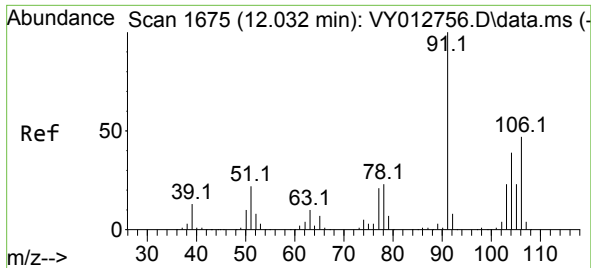
Tgt Ion: 106 Resp: 243653

Ion Ratio Lower Upper

106 100

91 201.3 159.8 239.8

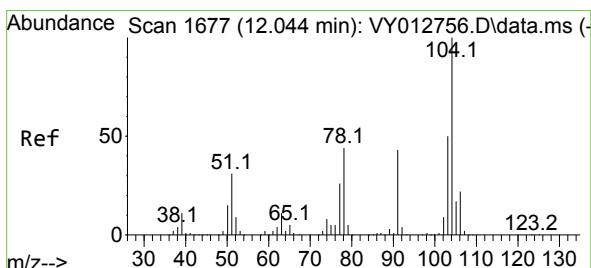
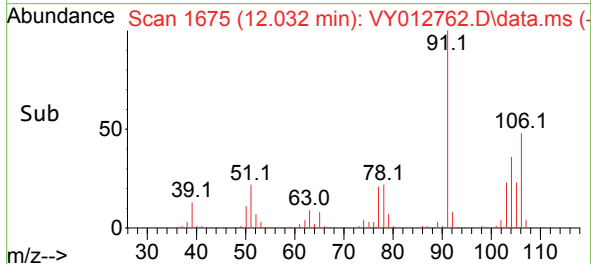
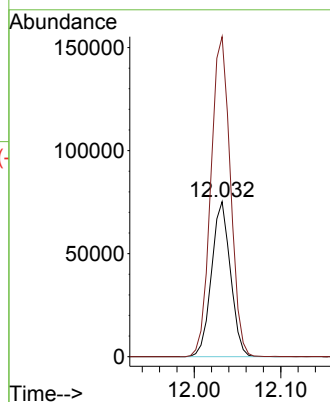
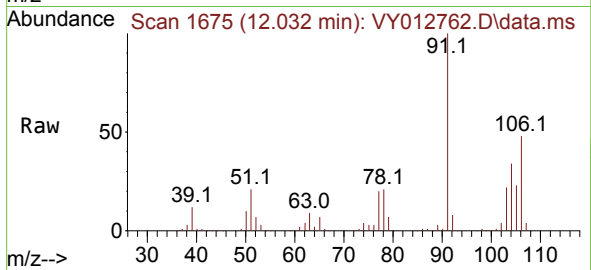




#69  
o-Xylene  
Concen: 51.847 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

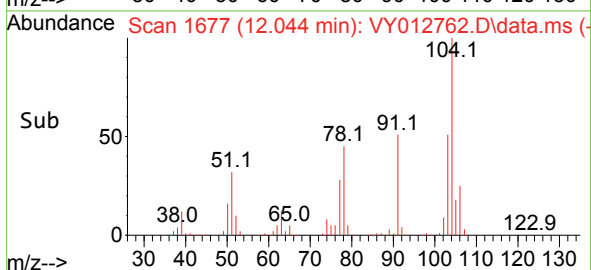
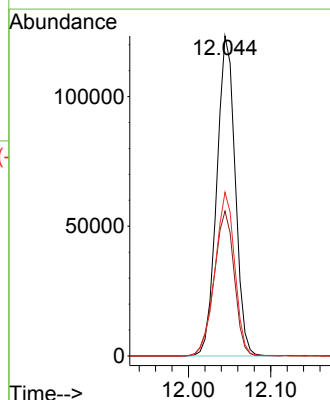
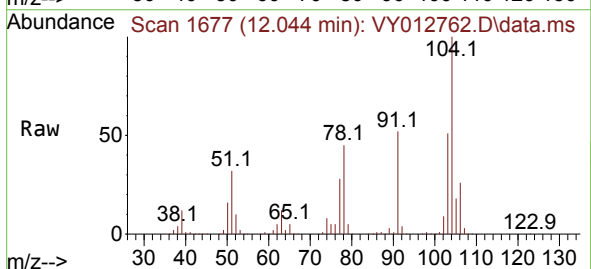
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:106 Resp: 113917  
Ion Ratio Lower Upper  
106 100  
91 213.5 107.2 321.6



#70  
Styrene  
Concen: 52.402 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion:104 Resp: 192135  
Ion Ratio Lower Upper  
104 100  
78 49.7 39.2 58.8  
103 54.7 43.7 65.5





#71

Bromoform

Concen: 47.412 ug/l

RT: 12.209 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

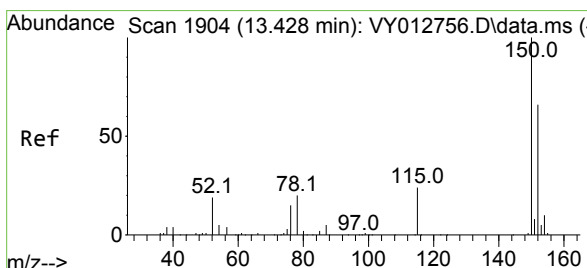
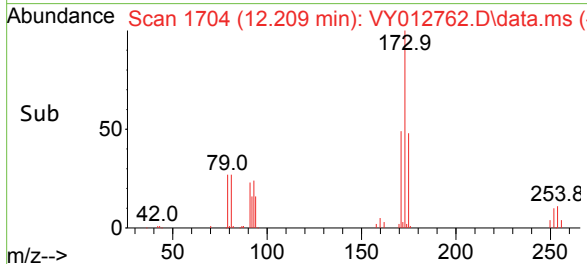
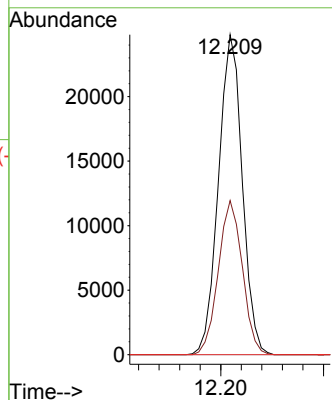
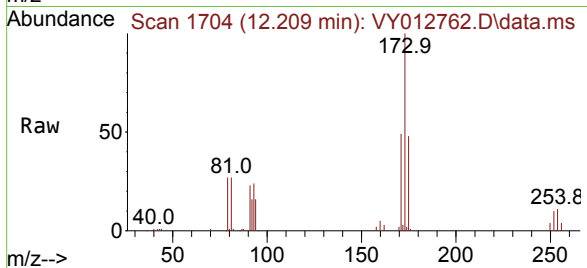
Tgt Ion:173 Resp: 39815

Ion Ratio Lower Upper

173 100

175 48.7 25.0 75.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

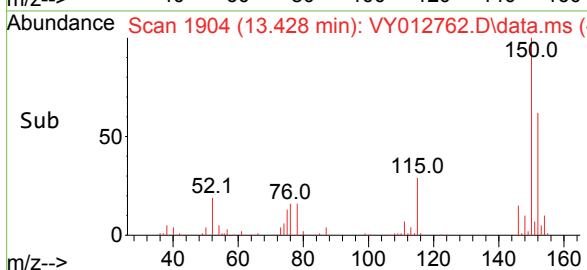
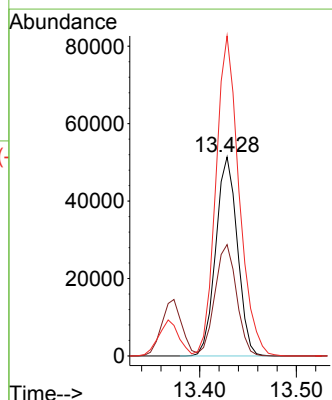
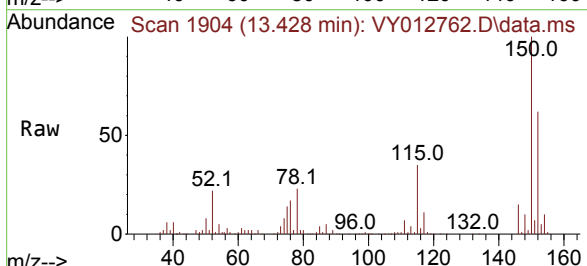
Tgt Ion:152 Resp: 79622

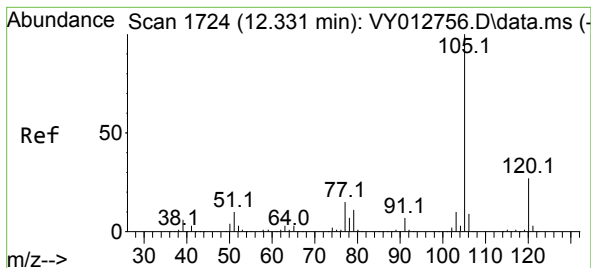
Ion Ratio Lower Upper

152 100

115 56.2 27.1 81.3

150 173.0 0.0 347.8





#73

Isopropylbenzene

Concen: 53.362 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

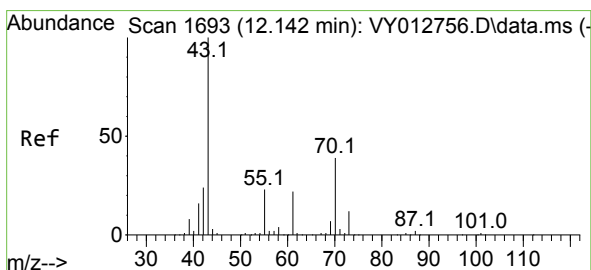
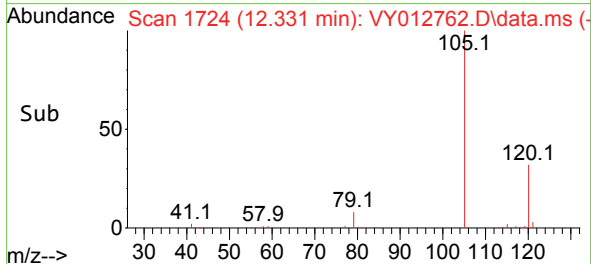
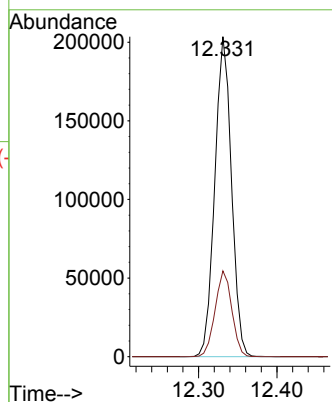
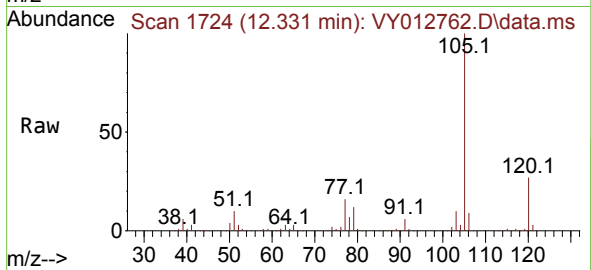
VSTDCCC050

Tgt Ion:105 Resp: 301117

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 52.446 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Tgt Ion: 43 Resp: 93115

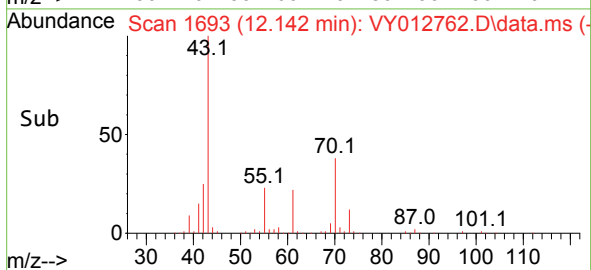
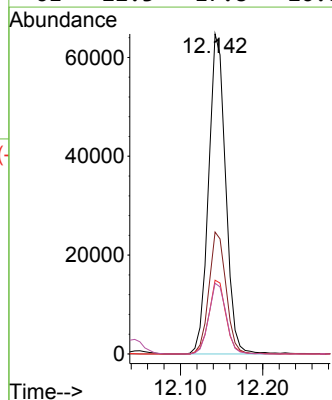
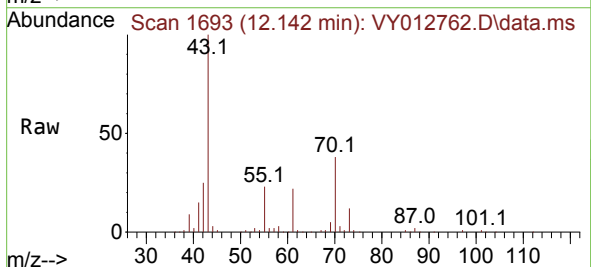
Ion Ratio Lower Upper

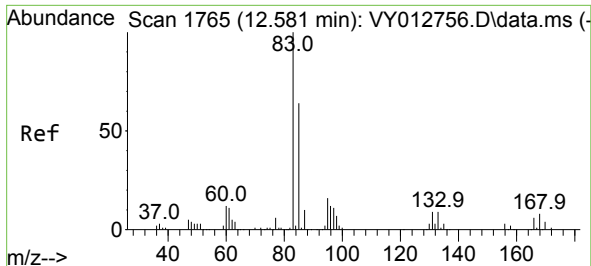
43 100

70 38.3 31.6 47.4

55 23.0 18.8 28.2

61 22.3 17.8 26.8

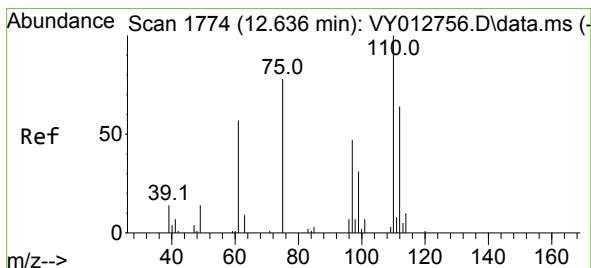
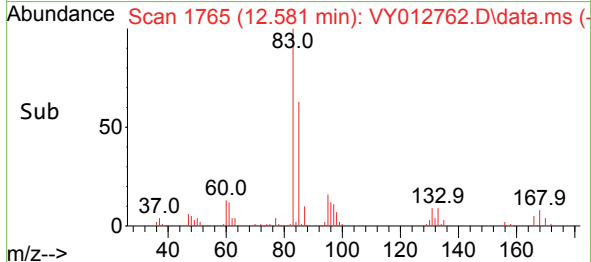
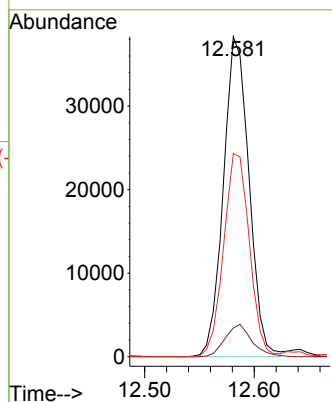
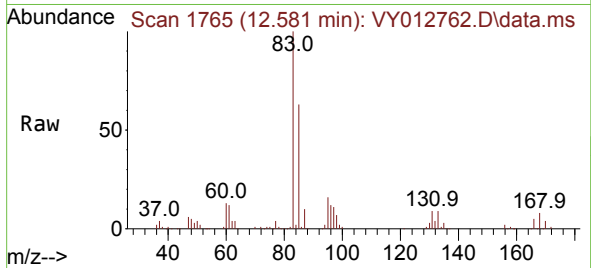




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 48.936 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

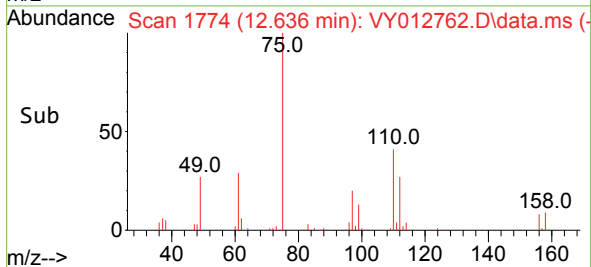
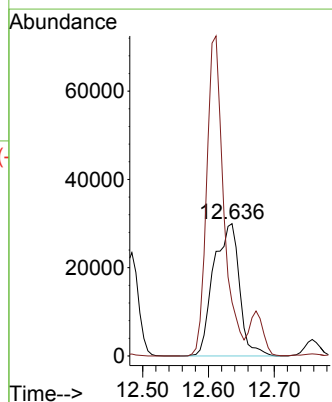
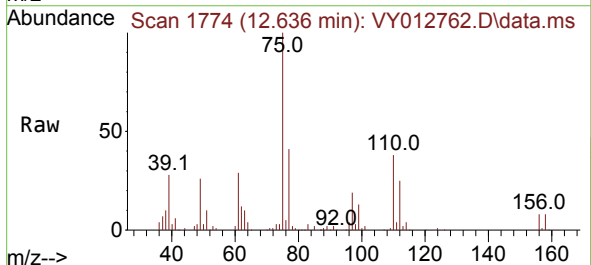
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

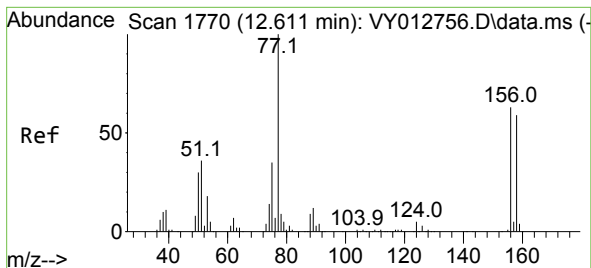
Tgt Ion: 83 Resp: 62074  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 5.1 15.2  
 85 64.1 31.8 95.3



#76  
 1,2,3-Trichloropropane  
 Concen: 86.084 ug/l  
 RT: 12.636 min Scan# 1774  
 Delta R.T. 0.000 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

Tgt Ion: 75 Resp: 81850  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.978 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

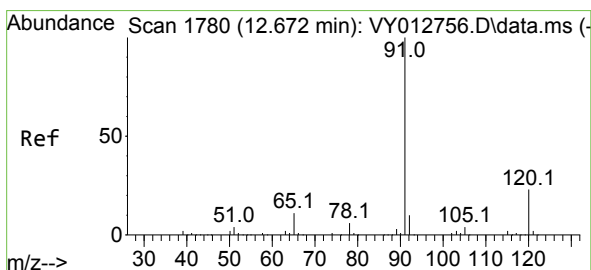
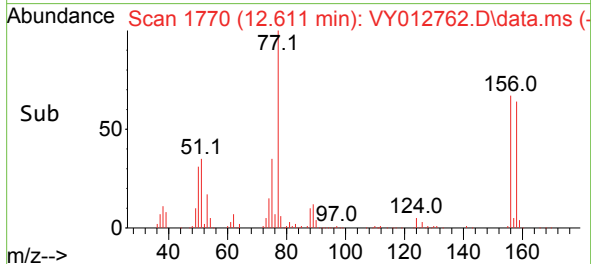
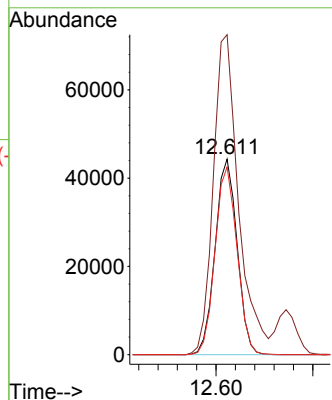
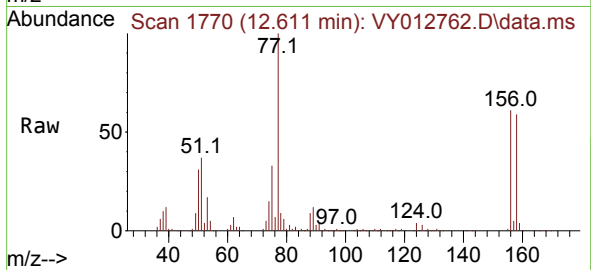
Tgt Ion:156 Resp: 69882

Ion Ratio Lower Upper

156 100

77 187.6 94.0 282.1

158 95.8 48.1 144.4



#78

n-propylbenzene

Concen: 53.932 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012762.D

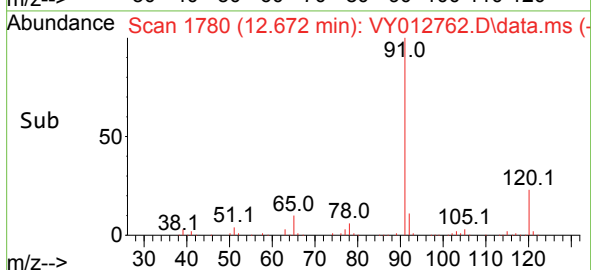
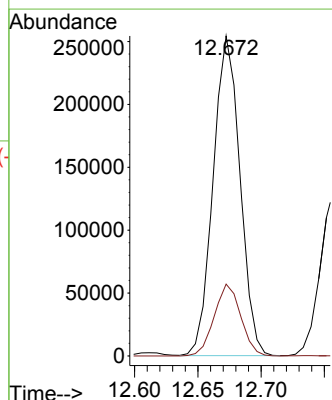
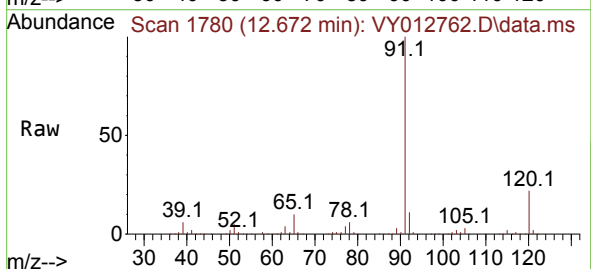
Acq: 02 Mar 2023 16:07

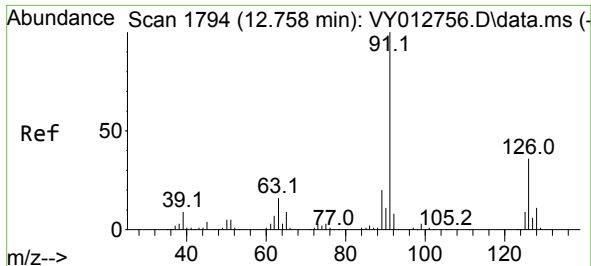
Tgt Ion: 91 Resp: 375208

Ion Ratio Lower Upper

91 100

120 22.2 11.6 34.8

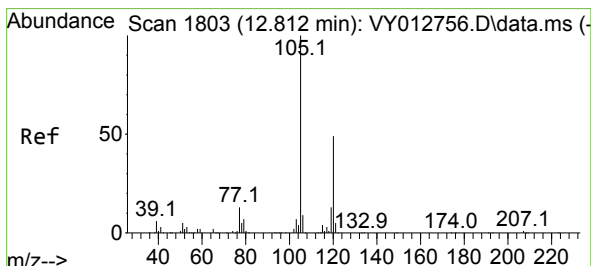
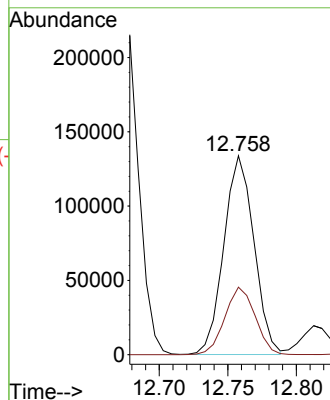
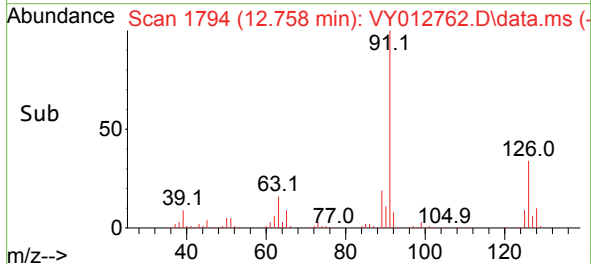
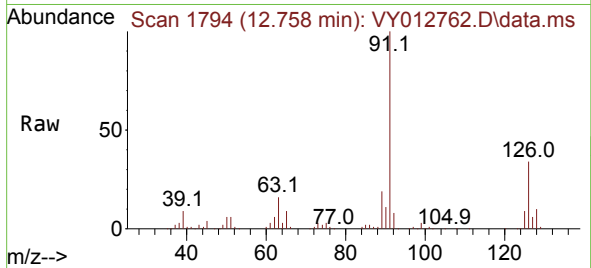




#79  
2-Chlorotoluene  
Concen: 52.957 ug/l  
RT: 12.758 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

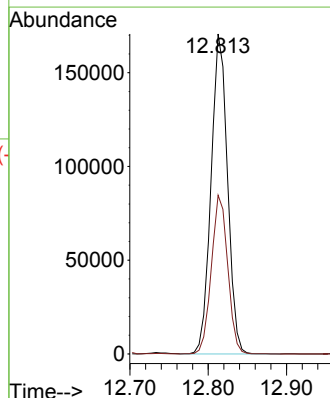
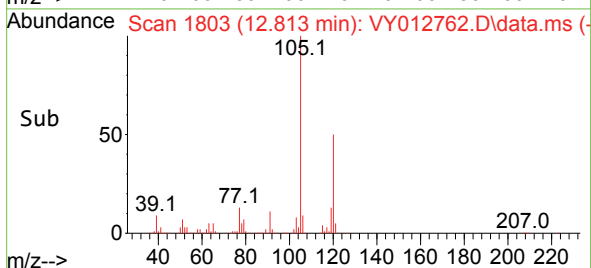
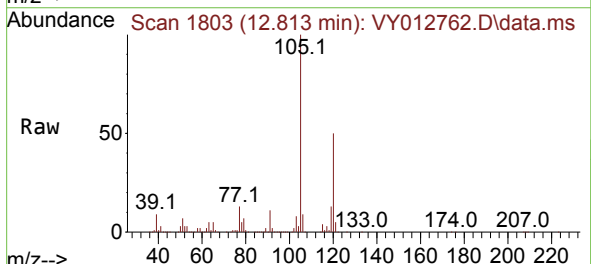
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 91 Resp: 204763  
Ion Ratio Lower Upper  
91 100  
126 34.2 17.4 52.2



#80  
1,3,5-Trimethylbenzene  
Concen: 53.421 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion: 105 Resp: 248775  
Ion Ratio Lower Upper  
105 100  
120 49.3 24.8 74.4

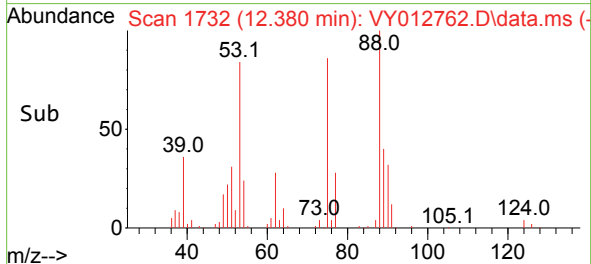
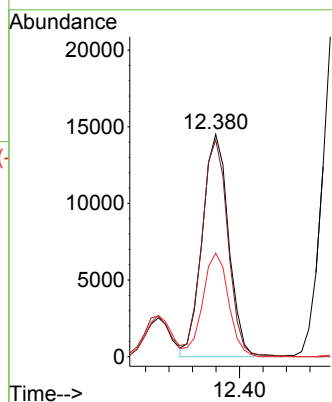
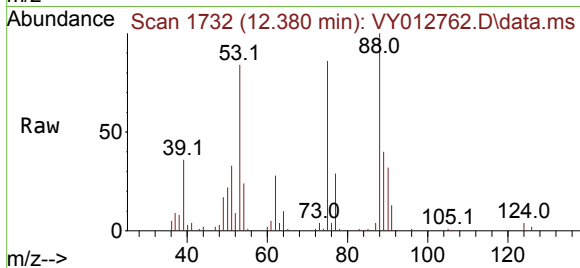




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.168 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

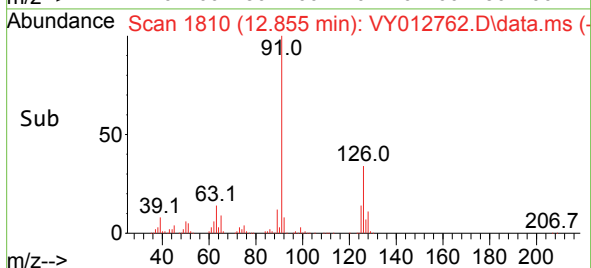
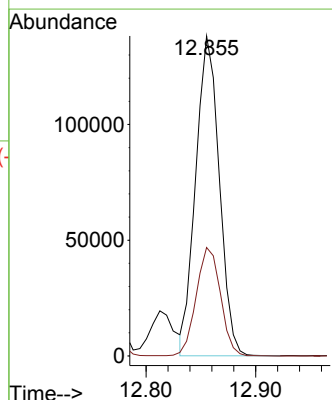
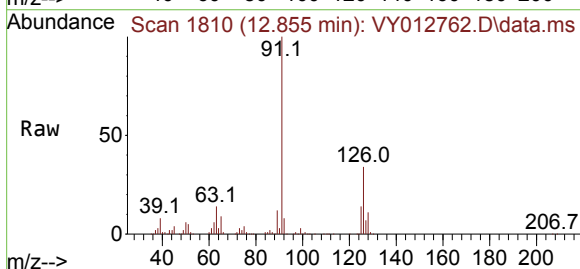
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

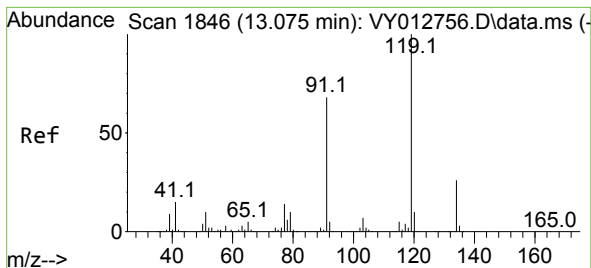
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 22562 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 96.6  | 73.4  | 110.0 |
| 89       | 45.9  | 36.6  | 55.0  |



#82  
4-Chlorotoluene  
Concen: 51.567 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 206399 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 34.9  | 17.7  | 53.1   |





#83

tert-Butylbenzene

Concen: 52.690 ug/l

RT: 13.075 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

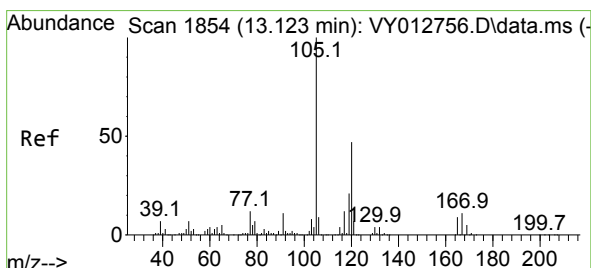
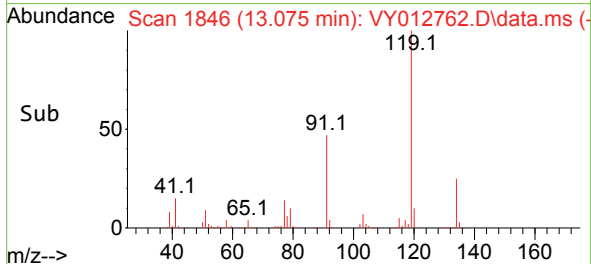
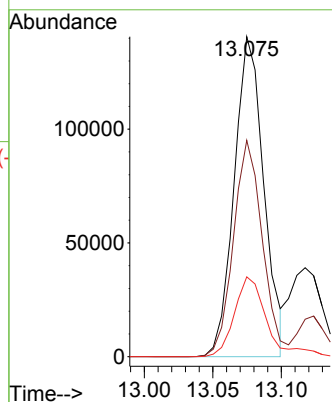
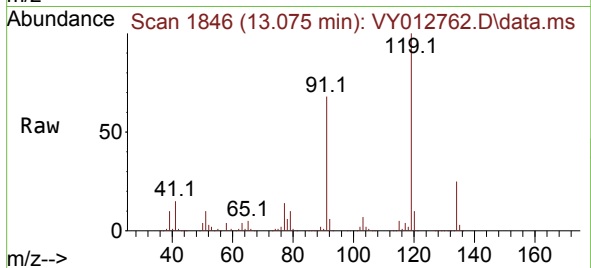
Tgt Ion:119 Resp: 211785

Ion Ratio Lower Upper

119 100

91 66.4 32.8 98.3

134 27.2 13.6 40.8



#84

1,2,4-Trimethylbenzene

Concen: 53.272 ug/l

RT: 13.124 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY012762.D

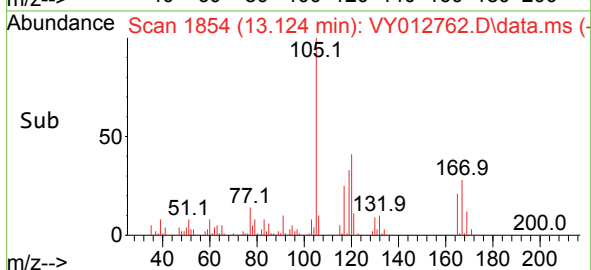
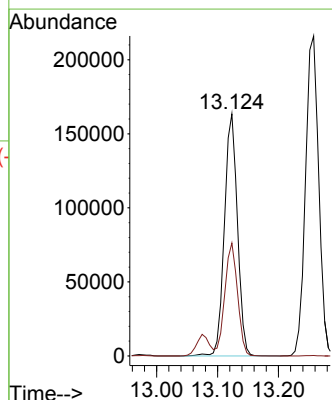
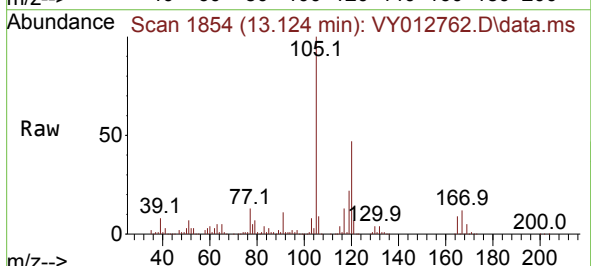
Acq: 02 Mar 2023 16:07

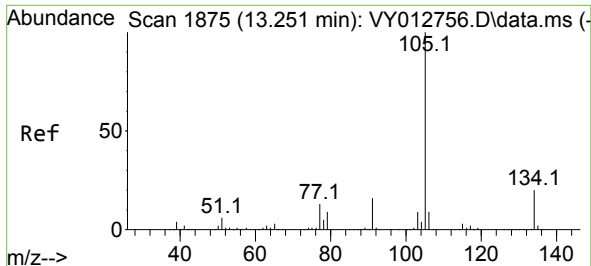
Tgt Ion:105 Resp: 242587

Ion Ratio Lower Upper

105 100

120 45.7 23.0 69.0

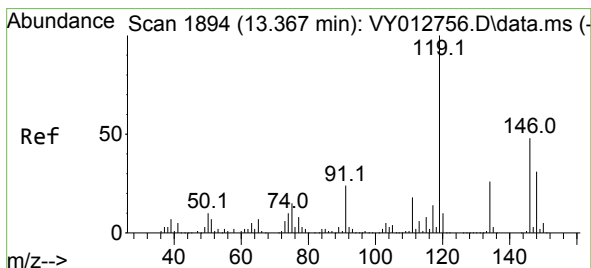
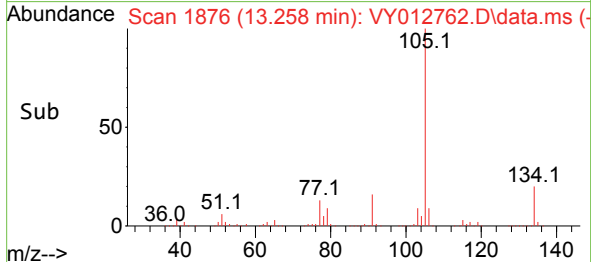
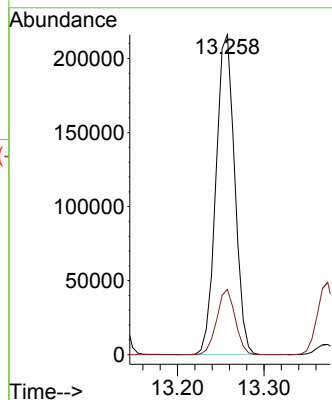
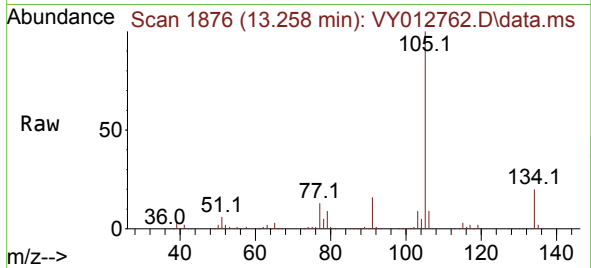




#85  
 sec-Butylbenzene  
 Concen: 52.952 ug/l  
 RT: 13.258 min Scan# 1876  
 Delta R.T. 0.006 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

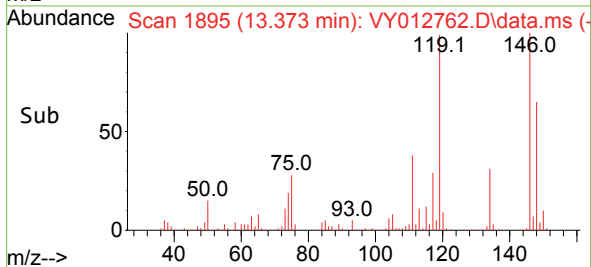
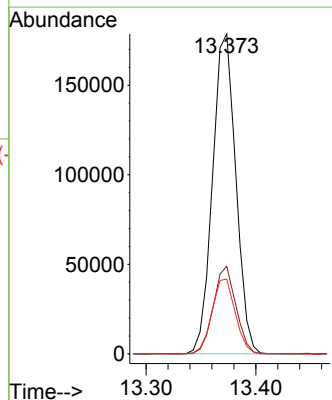
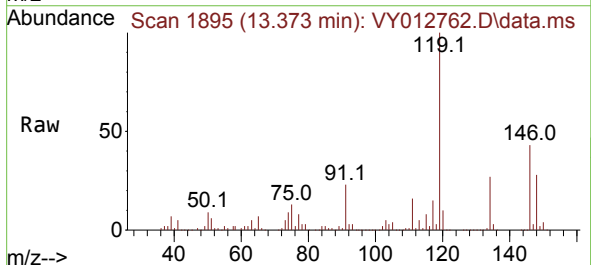
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

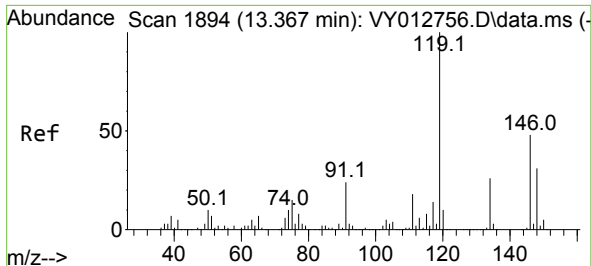
Tgt Ion:105 Resp: 324696  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 52.629 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. 0.006 min  
 Lab File: VY012762.D  
 Acq: 02 Mar 2023 16:07

Tgt Ion:119 Resp: 263750  
 Ion Ratio Lower Upper  
 119 100  
 134 26.7 13.2 39.6  
 91 23.7 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 51.025 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

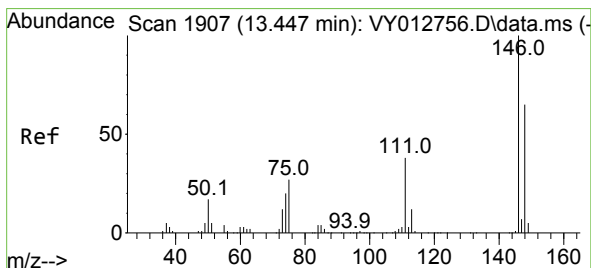
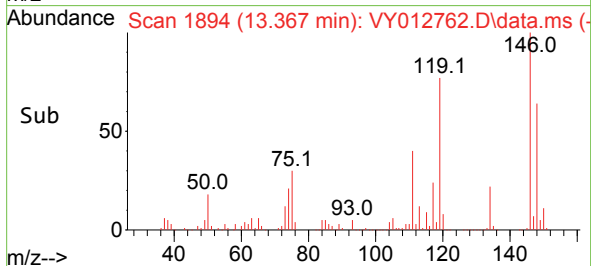
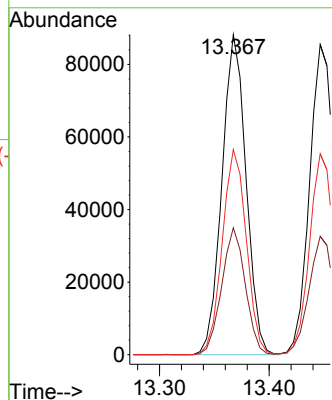
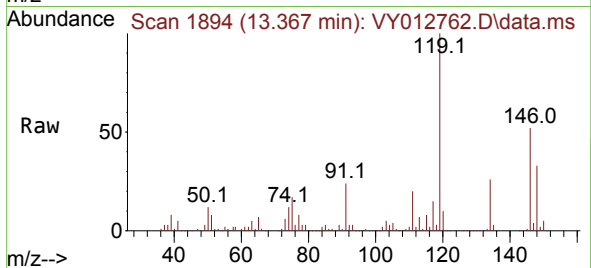
Tgt Ion:146 Resp: 134905

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.5

148 63.9 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 49.905 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

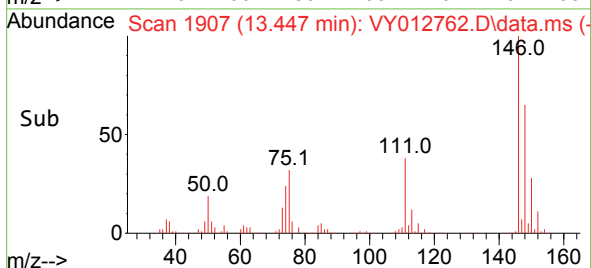
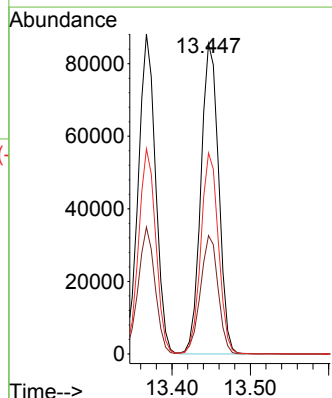
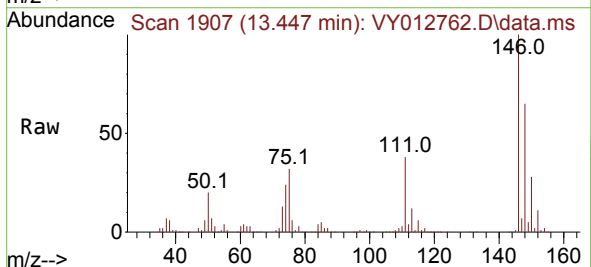
Tgt Ion:146 Resp: 134661

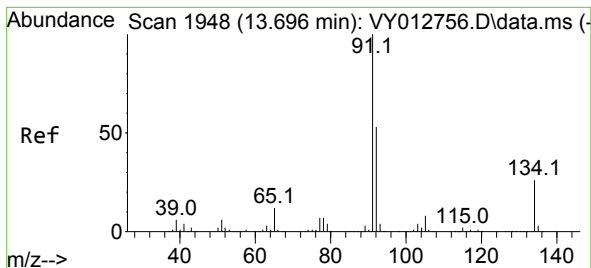
Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 52.632 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

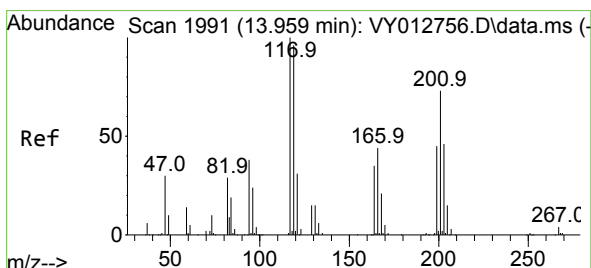
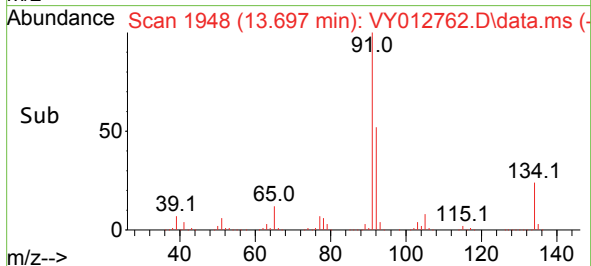
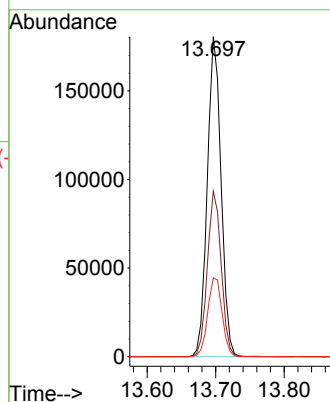
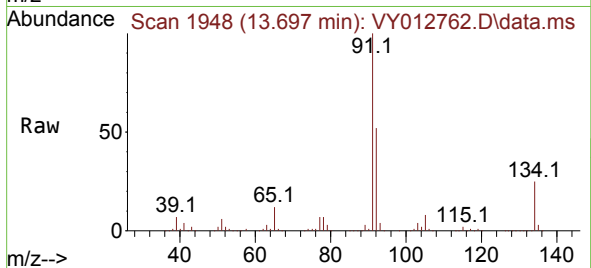
Tgt Ion: 91 Resp: 252508

Ion Ratio Lower Upper

91 100

92 51.9 26.4 79.0

134 25.8 13.0 38.9



#90

Hexachloroethane

Concen: 50.107 ug/l

RT: 13.965 min Scan# 1992

Delta R.T. 0.006 min

Lab File: VY012762.D

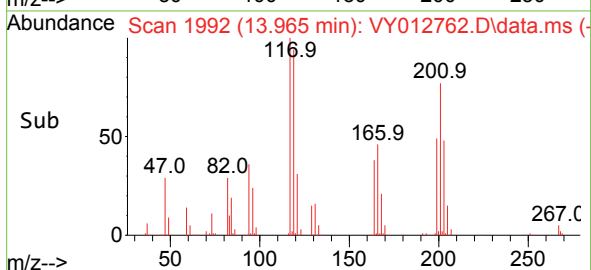
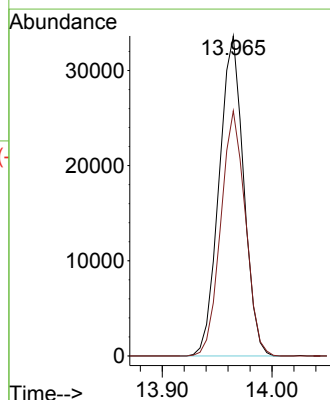
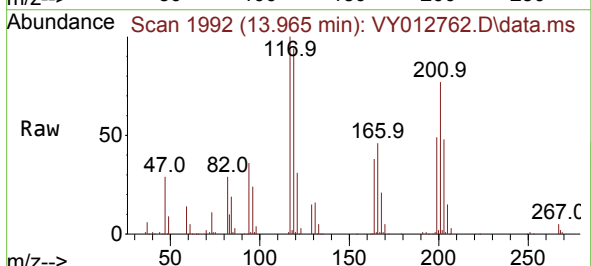
Acq: 02 Mar 2023 16:07

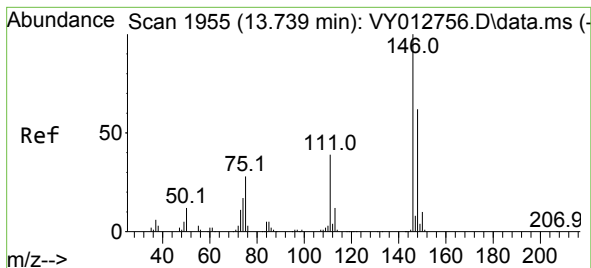
Tgt Ion: 117 Resp: 52301

Ion Ratio Lower Upper

117 100

201 76.7 39.4 118.1





#91

1,2-Dichlorobenzene

Concen: 49.731 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

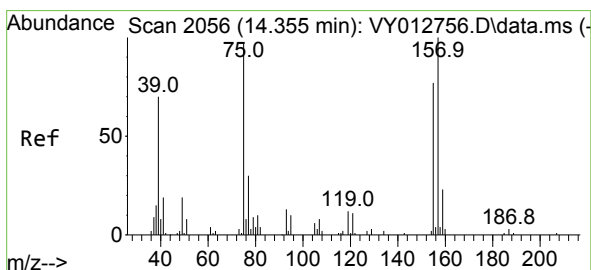
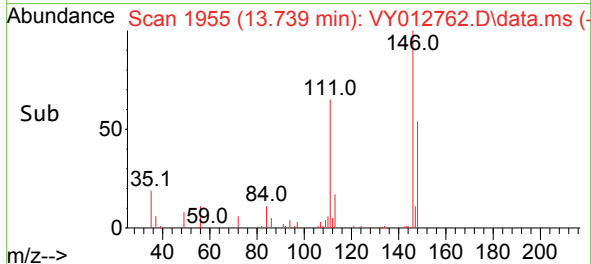
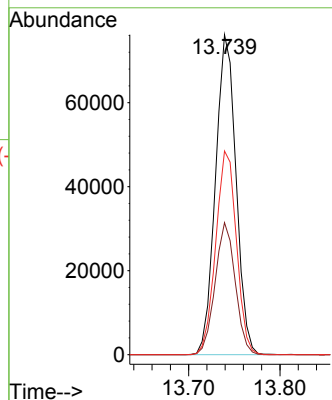
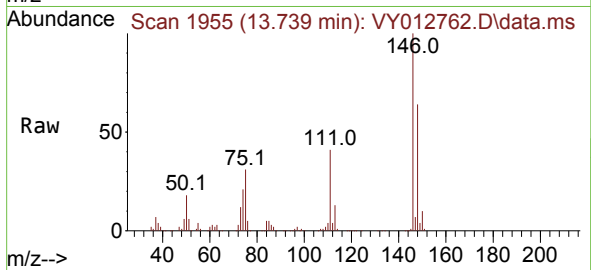
Tgt Ion:146 Resp: 118857

Ion Ratio Lower Upper

146 100

111 40.5 19.7 59.1

148 64.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.472 ug/l

RT: 14.361 min Scan# 2057

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

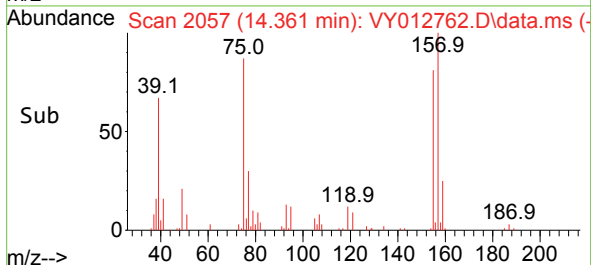
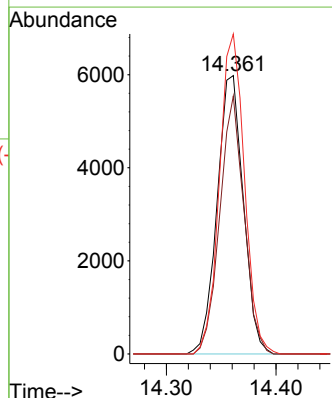
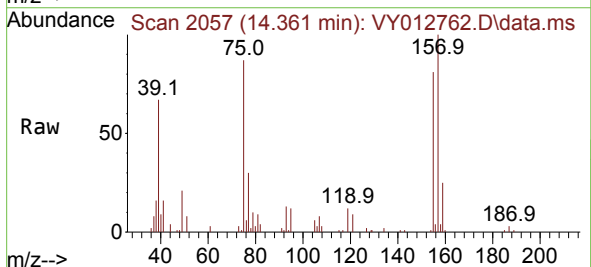
Tgt Ion: 75 Resp: 9937

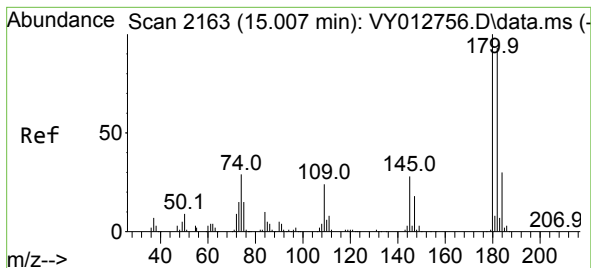
Ion Ratio Lower Upper

75 100

155 85.6 43.8 131.4

157 109.6 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 49.479 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

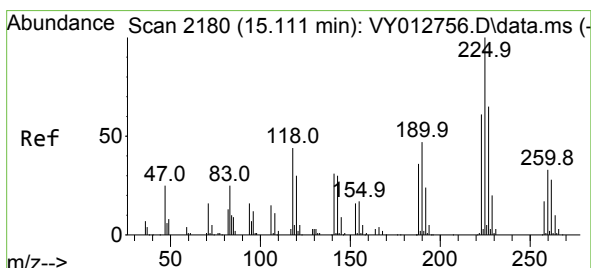
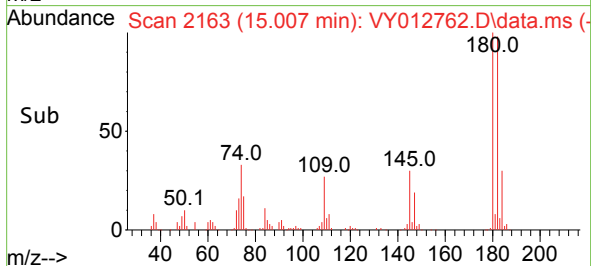
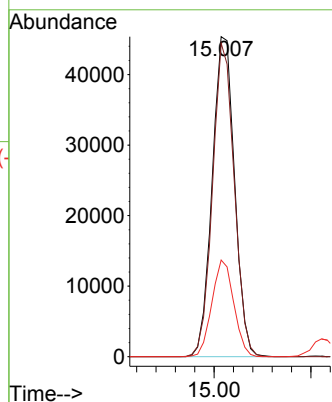
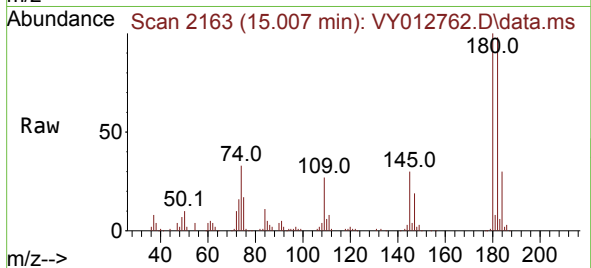
Tgt Ion:180 Resp: 72809

Ion Ratio Lower Upper

180 100

182 95.0 46.7 140.1

145 29.5 14.6 43.8



#94

Hexachlorobutadiene

Concen: 47.782 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY012762.D

Acq: 02 Mar 2023 16:07

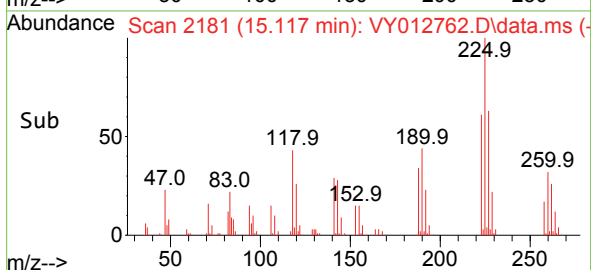
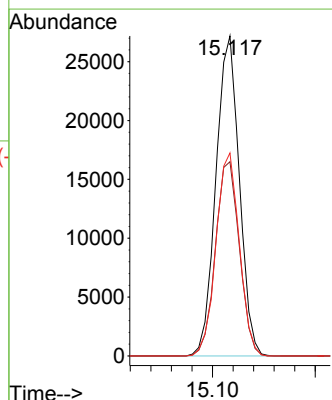
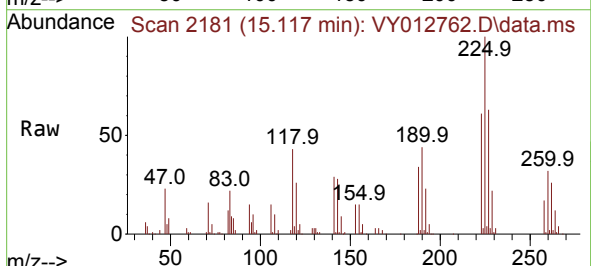
Tgt Ion:225 Resp: 42885

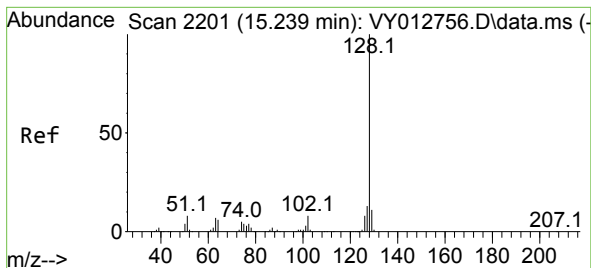
Ion Ratio Lower Upper

225 100

223 62.1 31.1 93.3

227 63.3 32.4 97.0

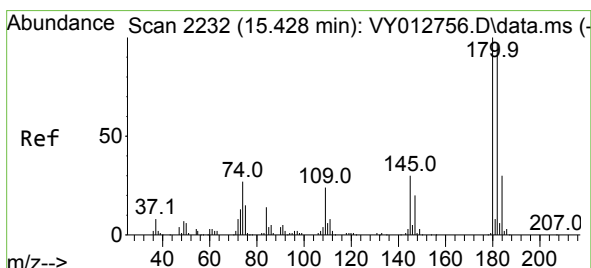
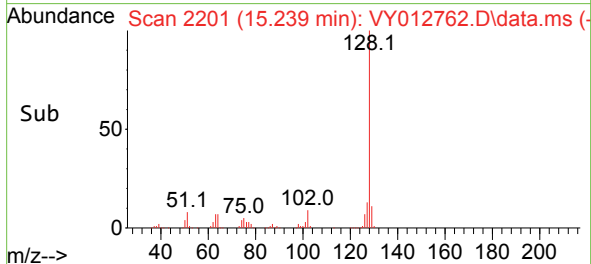
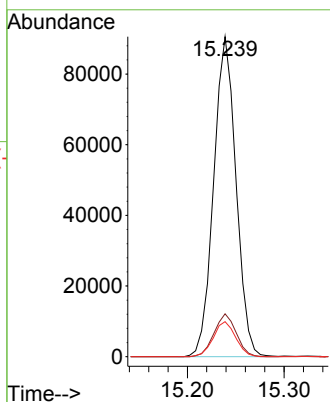
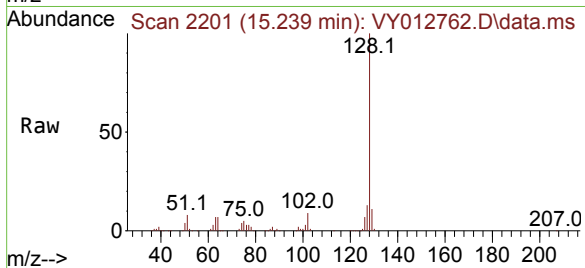




#95  
Naphthalene  
Concen: 49.253 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 145239  
Ion Ratio Lower Upper  
128 100  
127 13.3 10.3 15.5  
129 11.0 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 48.543 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. 0.000 min  
Lab File: VY012762.D  
Acq: 02 Mar 2023 16:07

Tgt Ion:180 Resp: 63530  
Ion Ratio Lower Upper  
180 100  
182 94.9 47.4 142.3  
145 31.1 15.3 45.8

