

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051123\  
 Data File : VY013723.D  
 Acq On : 11 May 2023 18:07  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 12 04:46:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 418823   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 650772   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.484 | 117   | 589171   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 289017   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.137  | 65    | 262792   | 57.238   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 114.480% |
| 35) Dibromofluoromethane     | 7.710  | 113   | 225861   | 55.181   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 110.360% |
| 50) Toluene-d8               | 10.173 | 98    | 779056   | 53.504   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 107.000% |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 282172   | 57.483   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 114.960% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 111726   | 28.060   | ug/l   | 100      |
| 3) Chloromethane             | 2.107  | 50    | 143501   | 26.887   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.247  | 62    | 142279   | 26.774   | ug/l   | 99       |
| 5) Bromomethane              | 2.644  | 94    | 108536   | 25.629   | ug/l   | 99       |
| 6) Chloroethane              | 2.790  | 64    | 93333    | 25.423   | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 225778   | 28.045   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.522  | 74    | 77677    | 28.334   | ug/l   | 89       |
| 9) 1,1,2-Trichlorotrifluo... | 3.900  | 101   | 130030   | 28.796   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.082  | 142   | 146620   | 25.852   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 91376    | 176.890  | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 3.863  | 96    | 119340   | 27.417   | ug/l   | 93       |
| 13) Acrolein                 | 3.723  | 56    | 42516    | 100.696  | ug/l   | 94       |
| 14) Allyl chloride           | 4.473  | 41    | 232786   | 28.822   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.155  | 53    | 229006   | 149.159  | ug/l   | 99       |
| 16) Acetone                  | 3.948  | 43    | 255139   | 141.111  | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.186  | 76    | 336942   | 23.830   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.473  | 43    | 175768   | 29.434   | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 5.210  | 73    | 379998   | 30.239   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.704  | 84    | 167044   | 25.532   | ug/l # | 83       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 134612   | 28.285   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.113  | 45    | 505828   | 32.042   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.052  | 43    | 1525029  | 170.621  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 268526   | 30.521   | ug/l   | 98       |
| 25) 2-Butanone               | 6.978  | 43    | 338982   | 147.831  | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 6.972  | 77    | 233580   | 30.810   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 157648   | 29.981   | ug/l   | 93       |
| 28) Bromochloromethane       | 7.332  | 49    | 94840    | 30.377   | ug/l # | 80       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 207817   | 145.595  | ug/l   | 90       |
| 30) Chloroform               | 7.496  | 83    | 270404   | 30.912   | ug/l   | 100      |
| 31) Cyclohexane              | 7.783  | 56    | 226928   | 27.606   | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.698  | 97    | 238731   | 30.583   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 195773   | 28.820   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.070  | 43    | 145225   | 28.409   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.893  | 117   | 214156   | 30.079   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.179  | 83    | 225076   | 28.105   | ug/l   | 94       |
| 40) Benzene                  | 8.155  | 78    | 564131   | 29.482   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051123\  
 Data File : VY013723.D  
 Acq On : 11 May 2023 18:07  
 Operator : KP/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: May 12 04:46:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 02:39:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 58417    | 24.523  | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 190480   | 30.448  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 259006   | 30.018  | ug/l   | 96       |
| 44) Trichloroethene           | 8.935  | 130  | 144510   | 28.391  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.210  | 63   | 152793   | 30.539  | ug/l   | 99       |
| 46) Dibromomethane            | 9.301  | 93   | 87318    | 29.168  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.490  | 83   | 208162   | 31.076  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.289  | 41   | 117644   | 29.687  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 22970    | 537.254 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.063 | 43   | 710908   | 147.854 | ug/l   | 96       |
| 52) Toluene                   | 10.240 | 92   | 340932   | 29.608  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.459 | 75   | 215089   | 30.340  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 235879   | 29.570  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 117901   | 29.740  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 170049   | 30.918  | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 202964   | 30.230  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.777  | 63   | 297526   | 144.262 | ug/l   | 93       |
| 59) 2-Hexanone                | 10.825 | 43   | 510745   | 146.130 | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.978 | 129  | 145477   | 30.222  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 114861   | 29.470  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.715 | 164  | 124433   | 27.775  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.514 | 112  | 363548   | 28.326  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 143232   | 29.840  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.587 | 91   | 663285   | 29.431  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 496784   | 57.984  | ug/l   | 97       |
| 69) o-Xylene                  | 12.026 | 106  | 235905   | 29.114  | ug/l   | 95       |
| 70) Styrene                   | 12.038 | 104  | 407140   | 30.051  | ug/l   | 99       |
| 71) Bromoform                 | 12.203 | 173  | 97779    | 29.082  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.325 | 105  | 635444   | 29.069  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.142 | 43   | 223599   | 28.743  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.575 | 83   | 149030   | 27.891  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 190229   | 48.805  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 151490   | 28.600  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.666 | 91   | 784510   | 29.136  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.752 | 91   | 437600   | 29.103  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.806 | 105  | 527364   | 29.557  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.374 | 75   | 51958    | 27.268  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.849 | 91   | 447246   | 28.538  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 467164   | 30.222  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 519095   | 29.924  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 684812   | 29.518  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 562258   | 30.138  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.361 | 146  | 292568   | 28.992  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.441 | 146  | 289372   | 28.387  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.690 | 91   | 543215   | 29.832  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 114158   | 29.074  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.733 | 146  | 264450   | 29.020  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 25568    | 27.094  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.001 | 180  | 163387   | 30.073  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 98940    | 31.291  | ug/l   | 100      |
| 95) Naphthalene               | 15.233 | 128  | 350187   | 29.706  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 147184   | 30.394  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY051123\  
Data File : VY013723.D  
Acq On : 11 May 2023 18:07  
Operator : KP/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: May 12 04:46:55 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 02:39:58 2023  
Response via : Initial Calibration

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

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

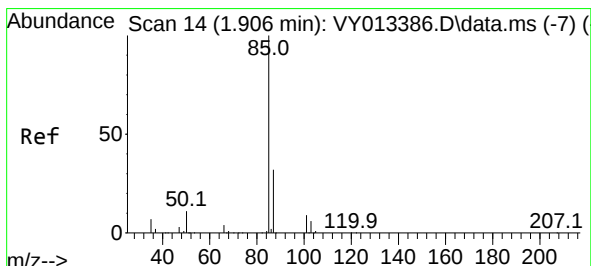
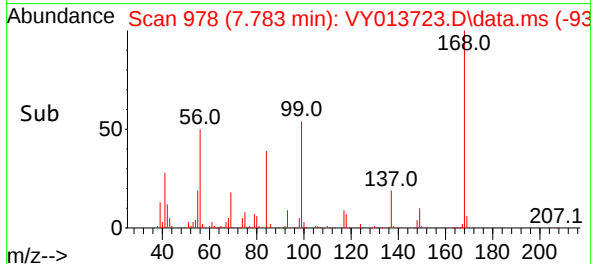
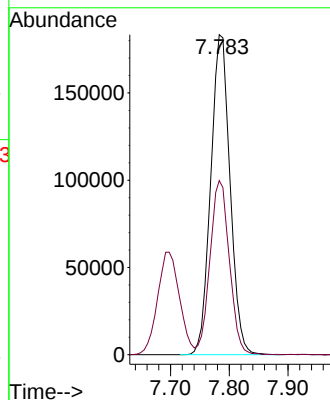
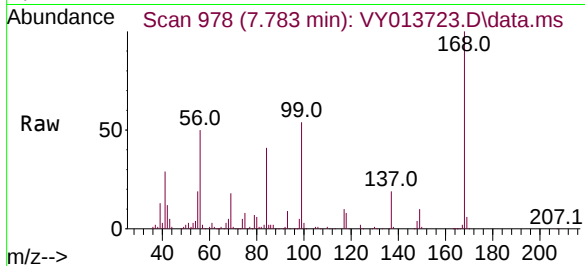




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

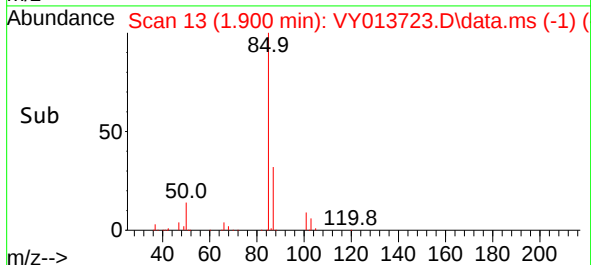
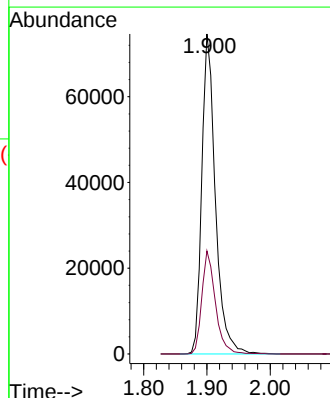
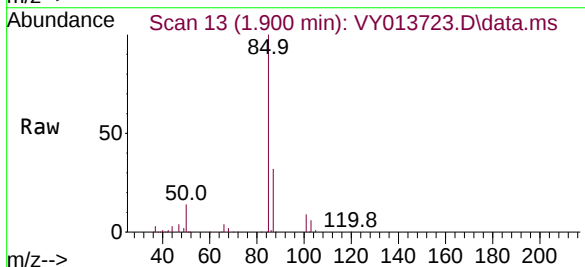
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 418823  
Ion Ratio Lower Upper  
168 100  
99 54.4 41.8 62.6



#2  
Dichlorodifluoromethane  
Concen: 28.060 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 85 Resp: 111726  
Ion Ratio Lower Upper  
85 100  
87 32.2 16.1 48.2

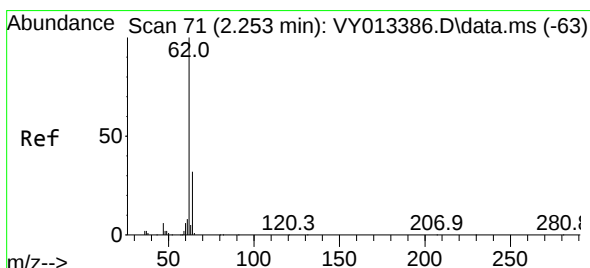
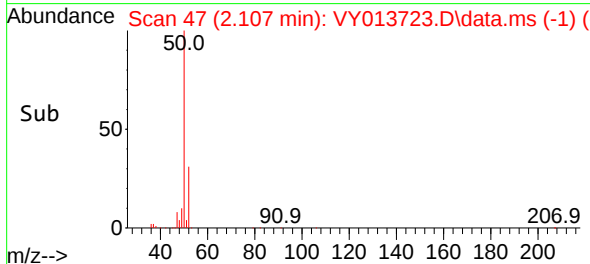
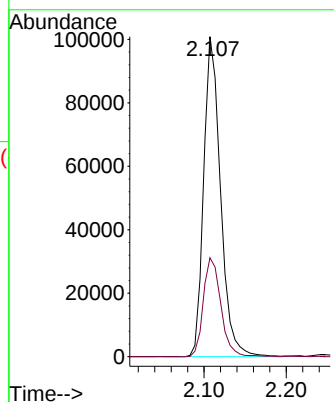
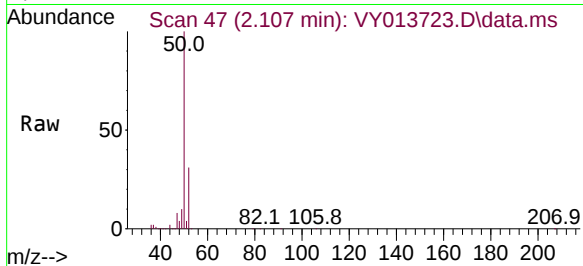




#3  
Chloromethane  
Concen: 26.887 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

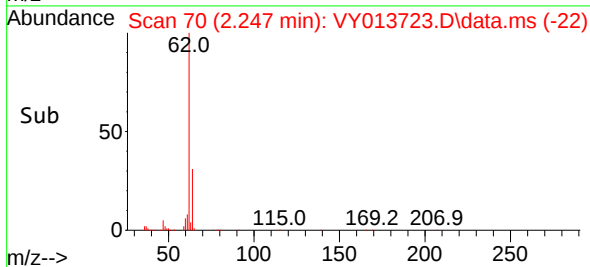
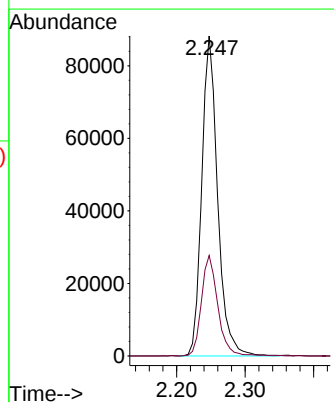
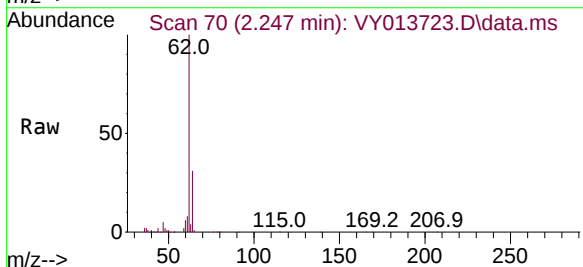
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

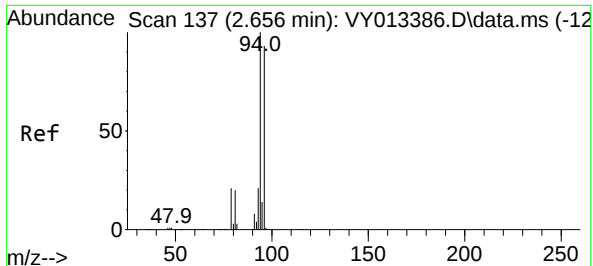
Tgt Ion: 50 Resp: 143501  
Ion Ratio Lower Upper  
50 100  
52 30.9 25.9 38.9



#4  
Vinyl Chloride  
Concen: 26.774 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 62 Resp: 142279  
Ion Ratio Lower Upper  
62 100  
64 31.4 25.4 38.0

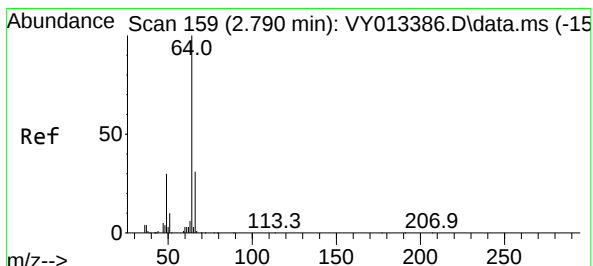
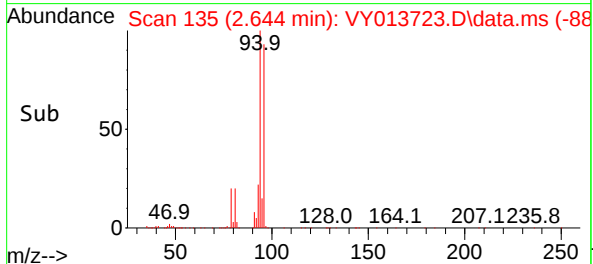
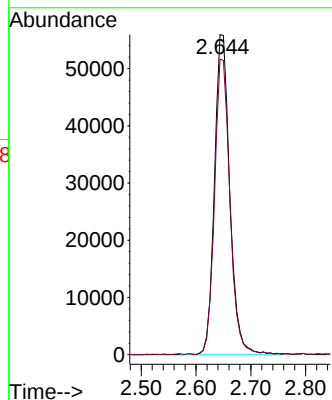
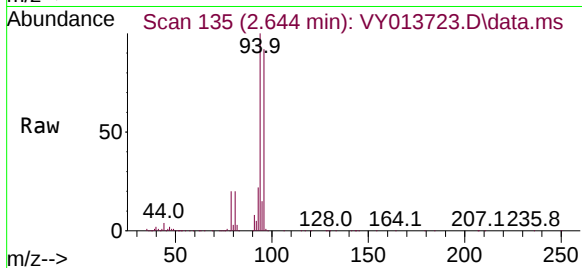




#5  
Bromomethane  
Concen: 25.629 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

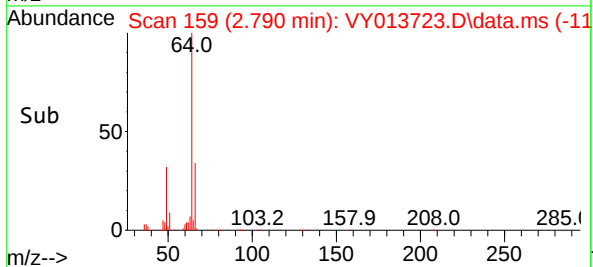
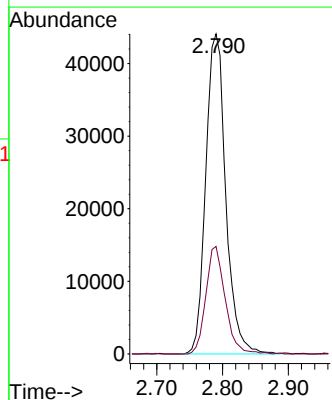
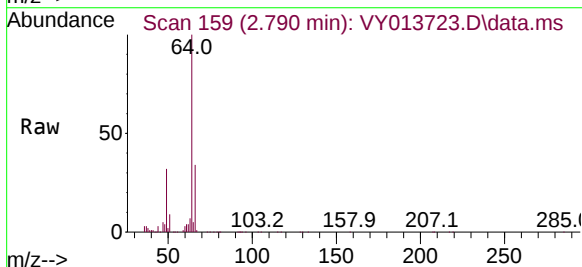
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

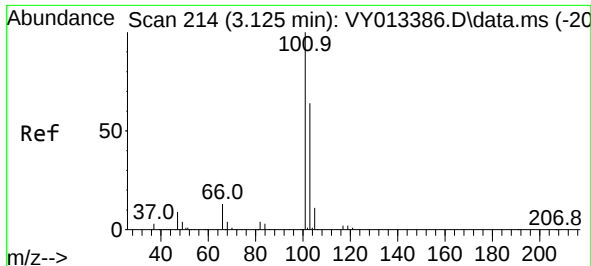
Tgt Ion: 94 Resp: 108536  
Ion Ratio Lower Upper  
94 100  
96 92.0 74.2 111.2



#6  
Chloroethane  
Concen: 25.423 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 64 Resp: 93333  
Ion Ratio Lower Upper  
64 100  
66 33.6 24.6 37.0

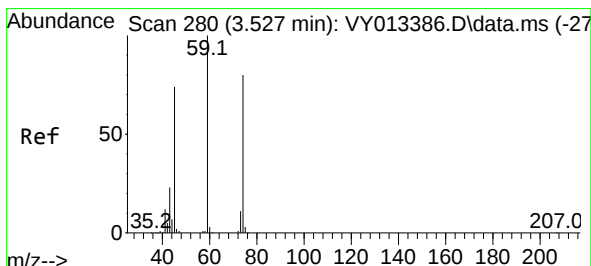
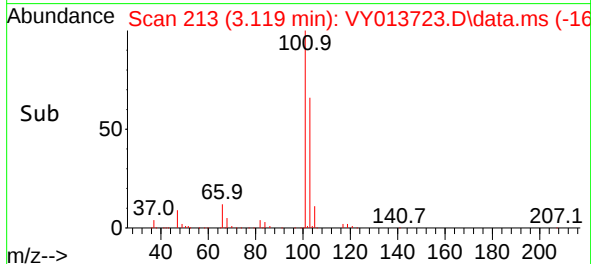
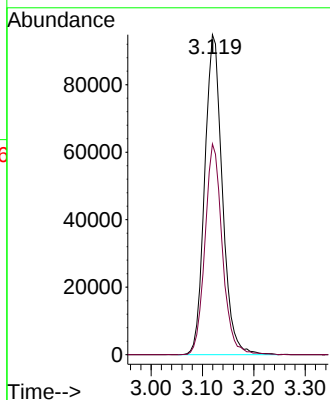
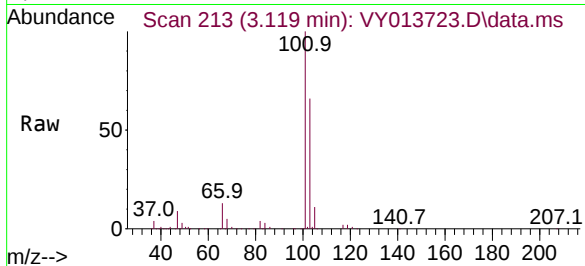




#7  
Trichlorofluoromethane  
Concen: 28.045 ug/l  
RT: 3.119 min Scan# 214  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

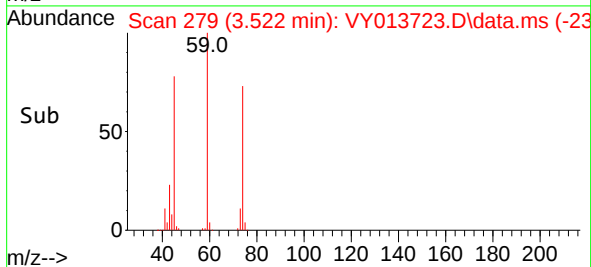
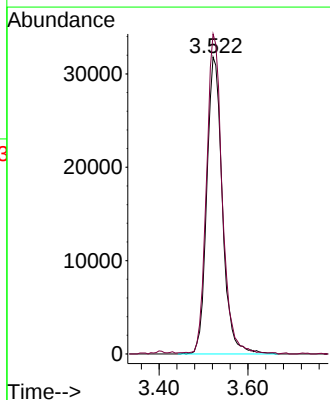
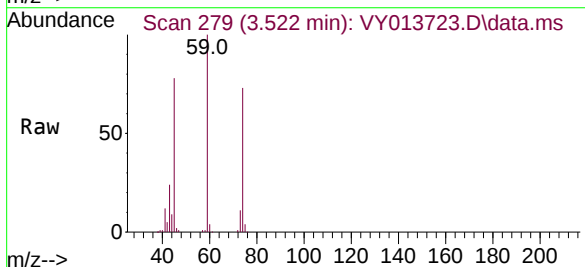
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

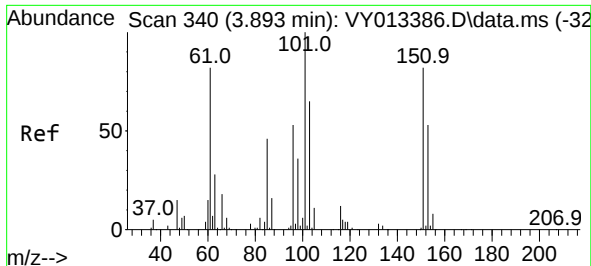
Tgt Ion:101 Resp: 225778  
Ion Ratio Lower Upper  
101 100  
103 65.8 51.6 77.4



#8  
Diethyl Ether  
Concen: 28.334 ug/l  
RT: 3.522 min Scan# 279  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 74 Resp: 77677  
Ion Ratio Lower Upper  
74 100  
45 107.5 48.2 144.6

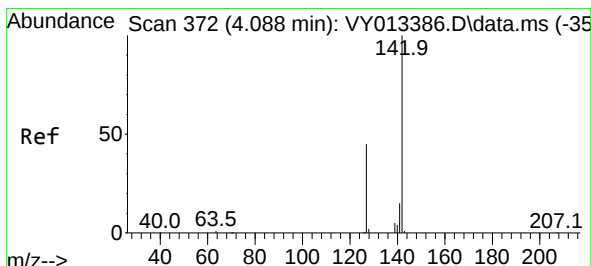
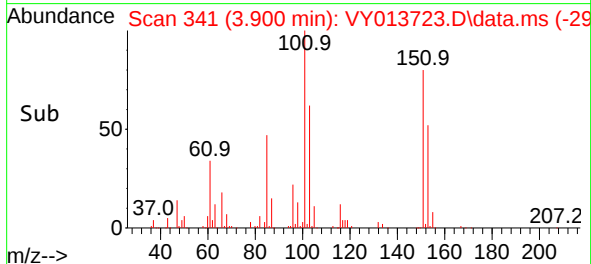
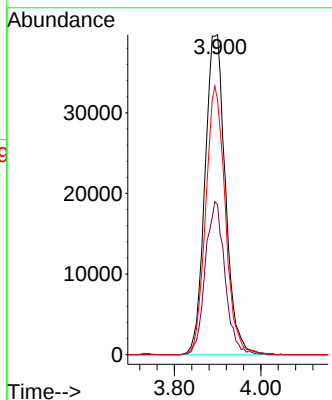
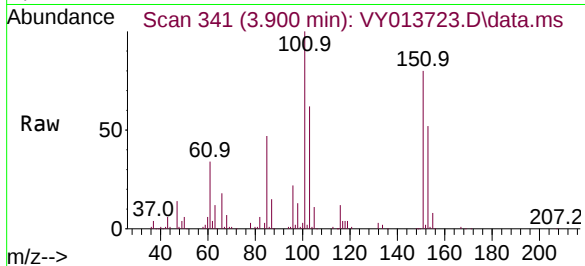




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 28.796 ug/l  
RT: 3.900 min Scan# 341  
Delta R.T. 0.007 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

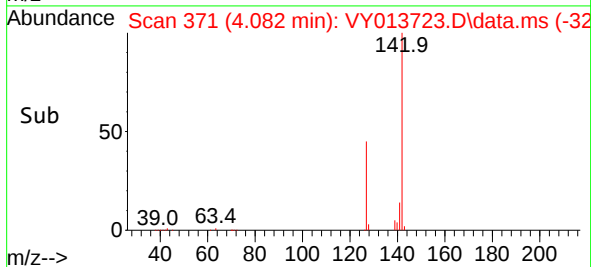
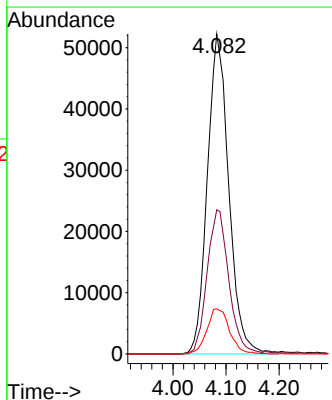
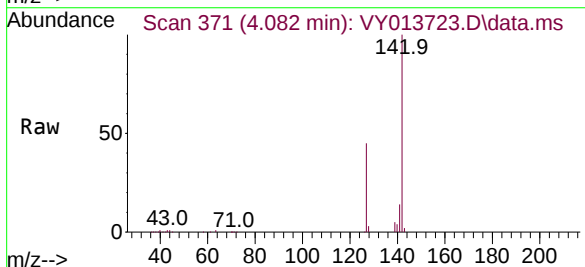
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 130030  
Ion Ratio Lower Upper  
101 100  
85 46.0 35.6 53.4  
151 80.6 68.0 102.0



#10  
Methyl Iodide  
Concen: 25.852 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion:142 Resp: 146620  
Ion Ratio Lower Upper  
142 100  
127 45.6 36.1 54.1  
141 15.0 11.6 17.4

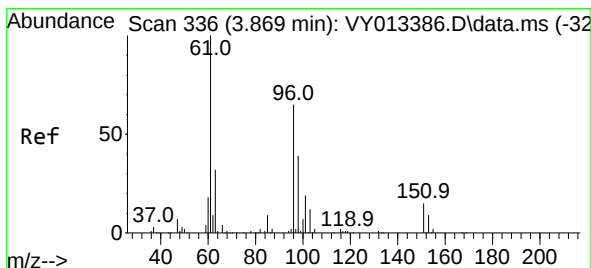
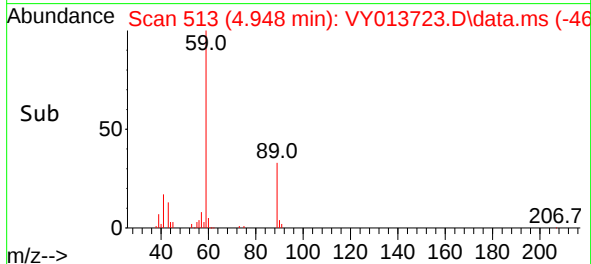
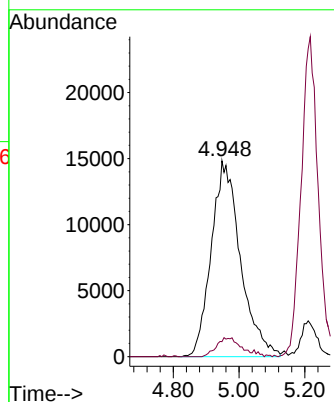
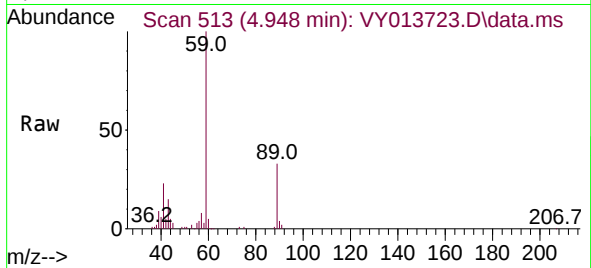




#11  
Tert butyl alcohol  
Concen: 176.890 ug/l  
RT: 4.948 min Scan# 518  
Delta R.T. -0.030 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

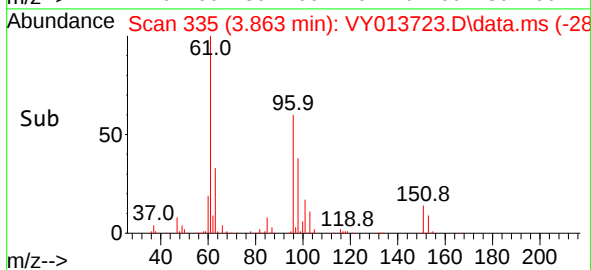
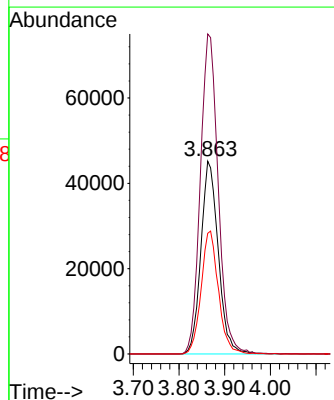
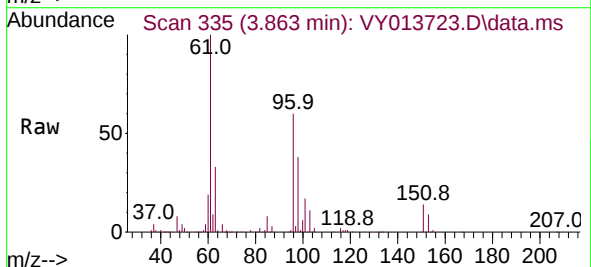
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

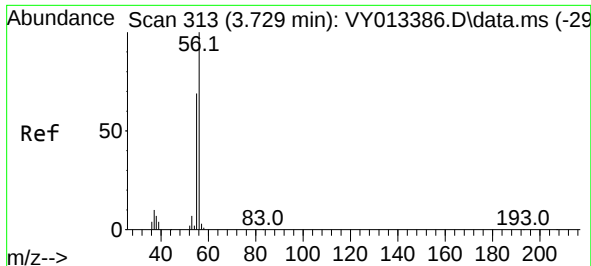
Tgt Ion: 59 Resp: 91376  
Ion Ratio Lower Upper  
59 100  
57 7.8 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 27.417 ug/l  
RT: 3.863 min Scan# 335  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 96 Resp: 119340  
Ion Ratio Lower Upper  
96 100  
61 166.0 123.9 185.9  
98 62.6 48.9 73.3





#13

Acrolein

Concen: 100.696 ug/l

RT: 3.723 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

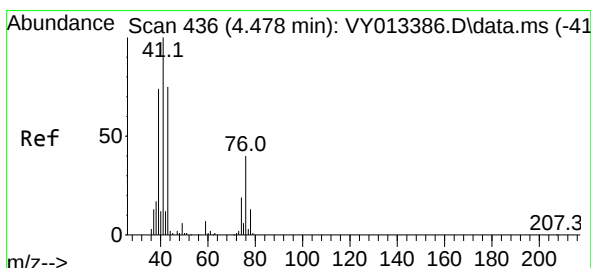
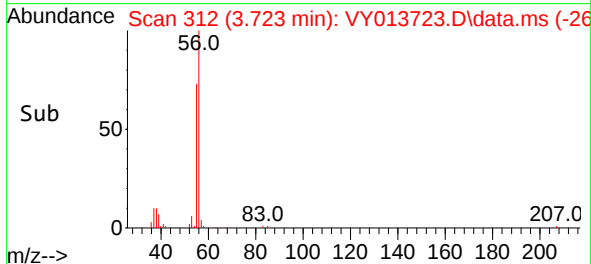
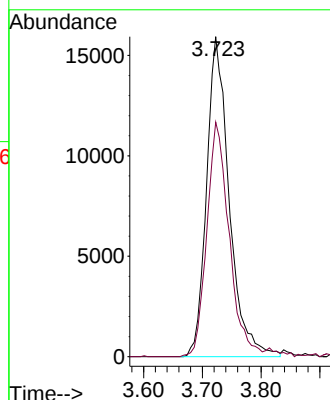
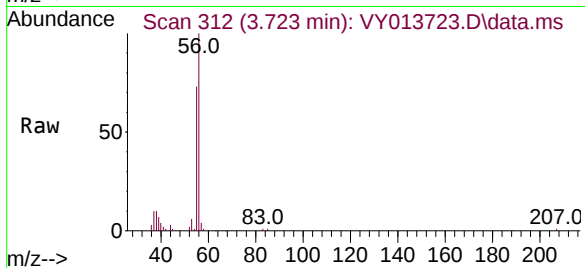
VSTDCCC050EC

Tgt Ion: 56 Resp: 42516

Ion Ratio Lower Upper

56 100

55 72.3 54.1 81.1



#14

Allyl chloride

Concen: 28.822 ug/l

RT: 4.473 min Scan# 435

Delta R.T. -0.005 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

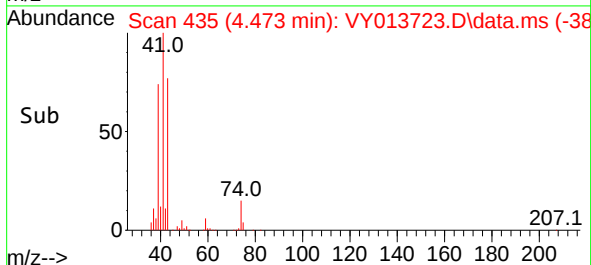
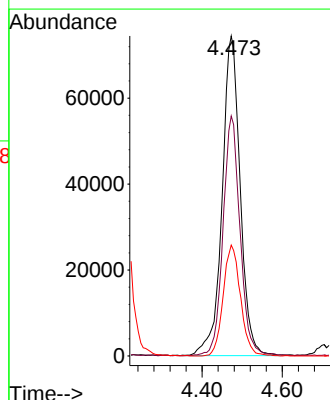
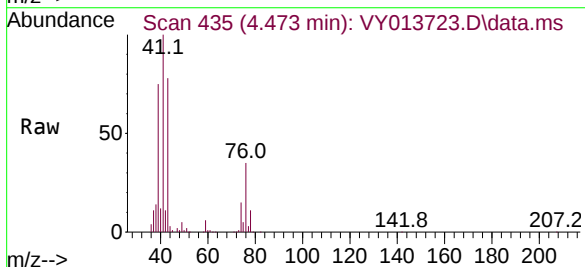
Tgt Ion: 41 Resp: 232786

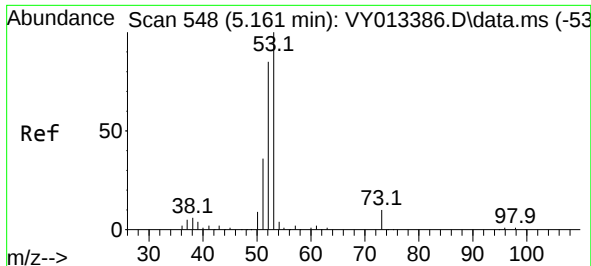
Ion Ratio Lower Upper

41 100

39 70.5 56.6 85.0

76 33.1 30.5 45.7

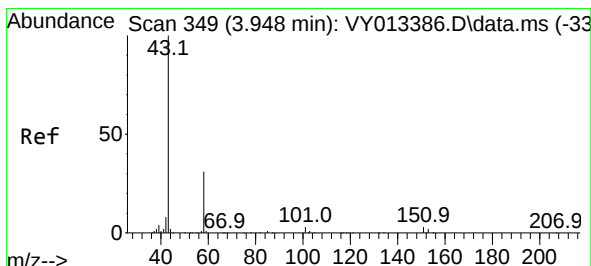
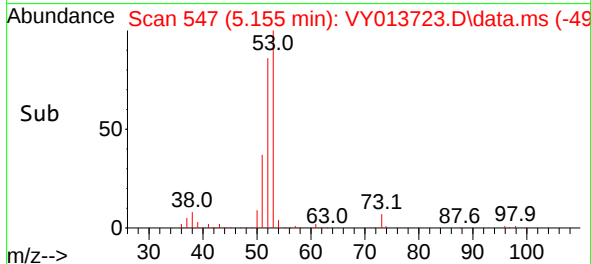
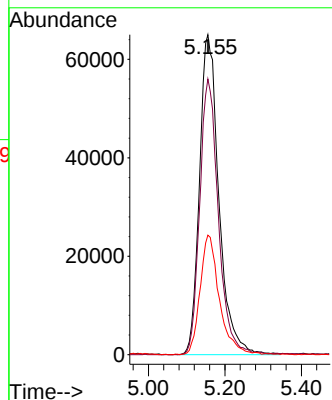
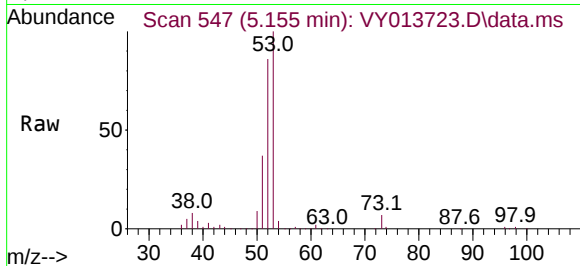




#15  
Acrylonitrile  
Concen: 149.159 ug/l  
RT: 5.155 min Scan# 548  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

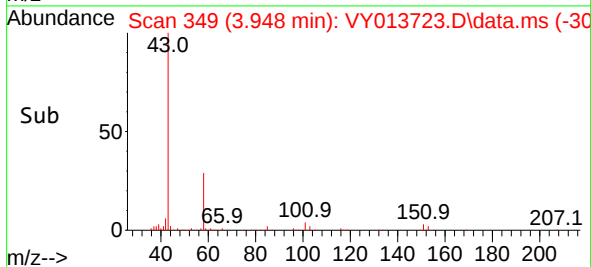
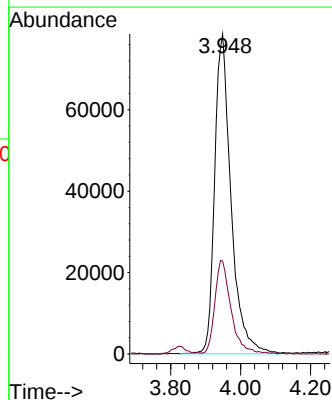
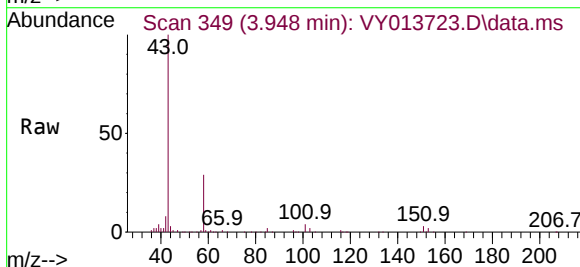
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

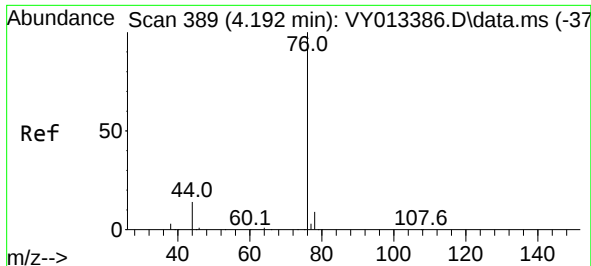
Tgt Ion: 53 Resp: 229006  
Ion Ratio Lower Upper  
53 100  
52 82.8 65.4 98.0  
51 37.2 29.3 43.9



#16  
Acetone  
Concen: 141.111 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 43 Resp: 255139  
Ion Ratio Lower Upper  
43 100  
58 28.8 25.4 38.0

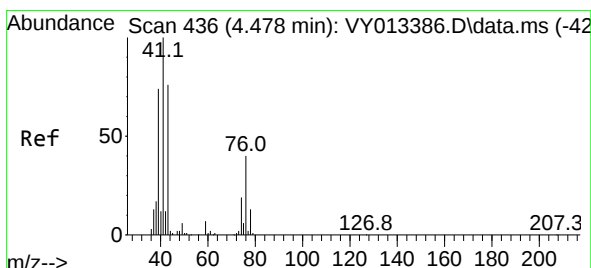
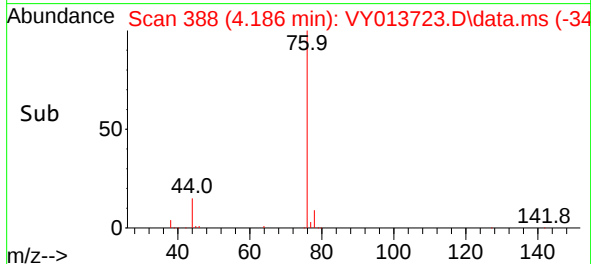
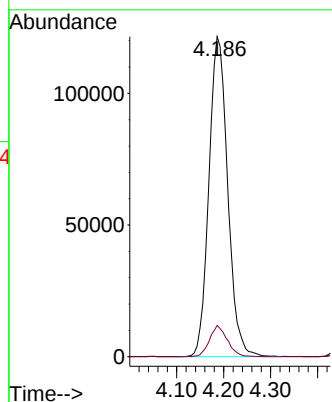
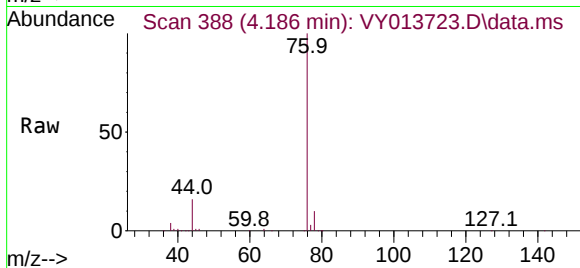




#17  
Carbon Disulfide  
Concen: 23.830 ug/l  
RT: 4.186 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

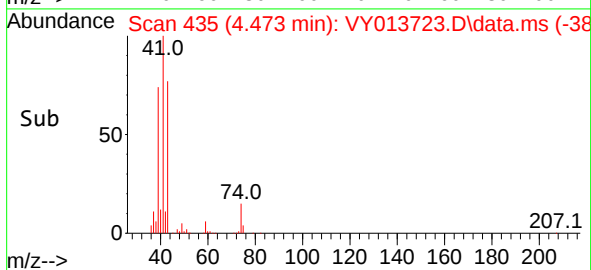
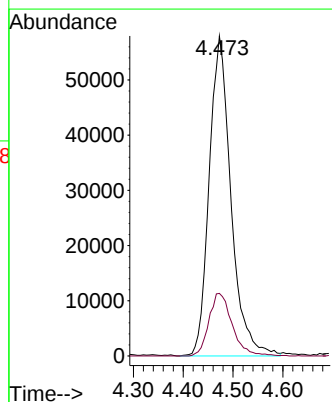
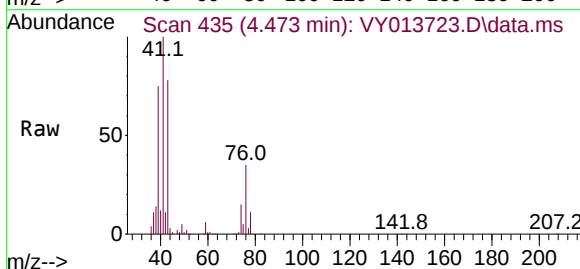
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

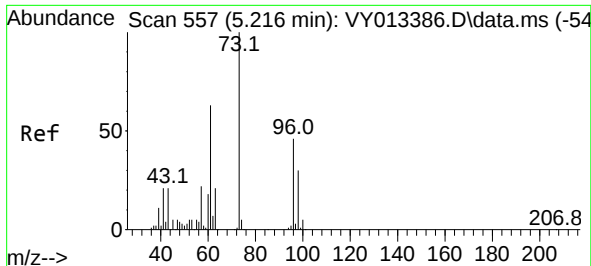
Tgt Ion: 76 Resp: 336942  
Ion Ratio Lower Upper  
76 100  
78 9.8 7.2 10.8



#18  
Methyl Acetate  
Concen: 29.434 ug/l  
RT: 4.473 min Scan# 435  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 43 Resp: 175768  
Ion Ratio Lower Upper  
43 100  
74 21.0 19.4 29.2

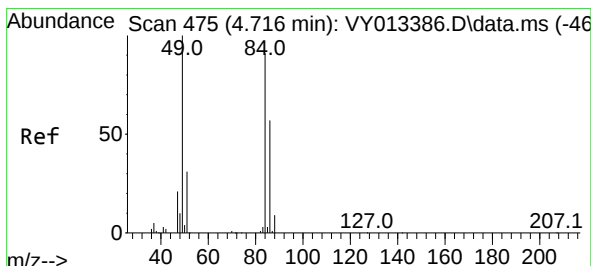
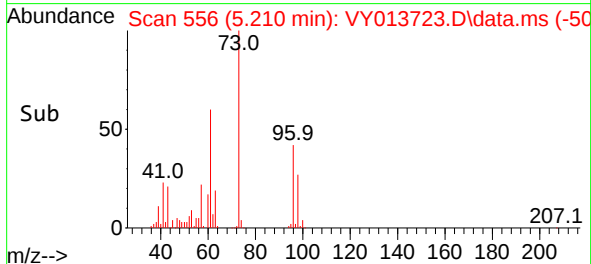
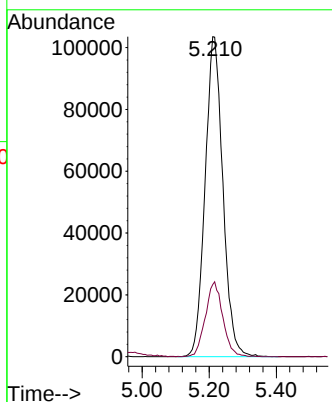
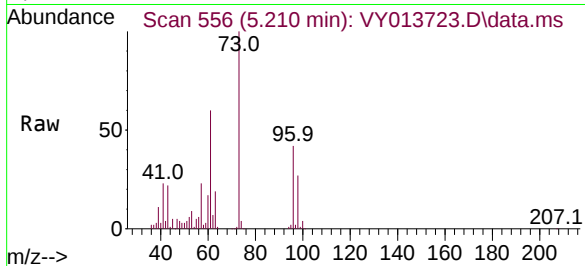




#19  
Methyl tert-butyl Ether  
Concen: 30.239 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

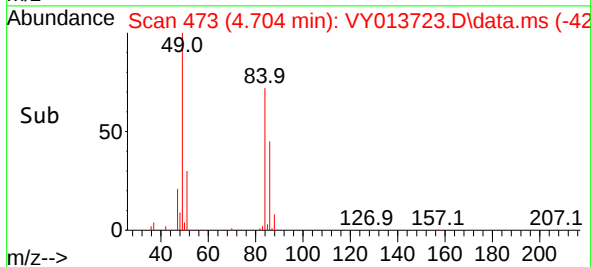
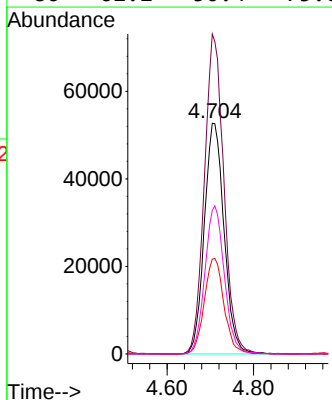
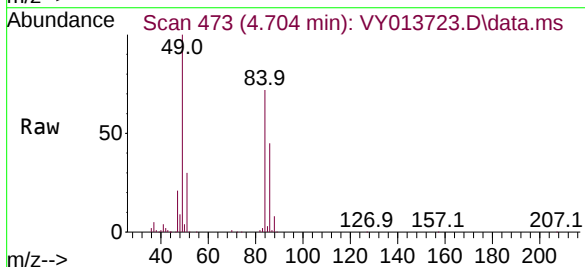
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

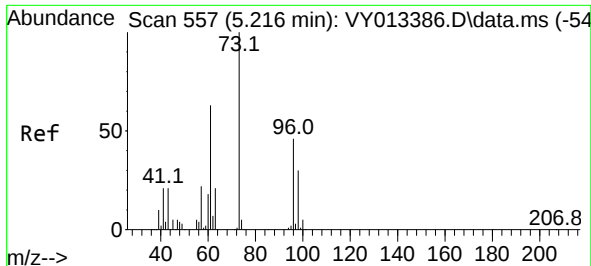
Tgt Ion: 73 Resp: 379998  
Ion Ratio Lower Upper  
73 100  
57 22.5 17.8 26.8



#20  
Methylene Chloride  
Concen: 25.532 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. -0.012 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 84 Resp: 167044  
Ion Ratio Lower Upper  
84 100  
49 138.7 88.0 132.0#  
51 41.0 27.4 41.0  
86 62.2 50.4 75.6

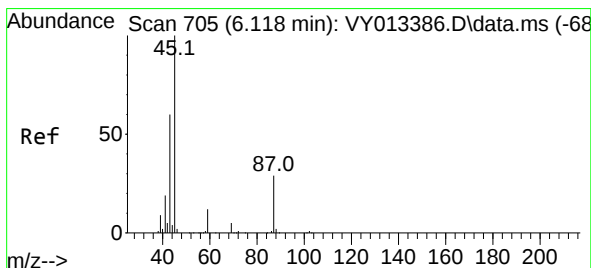
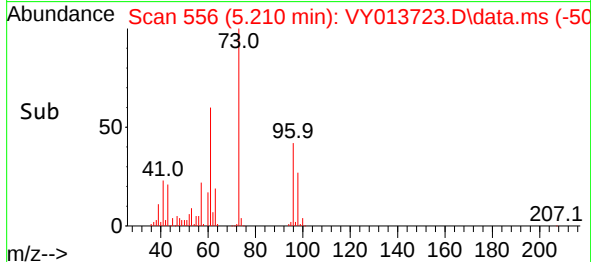
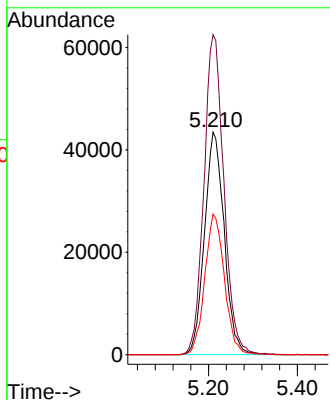
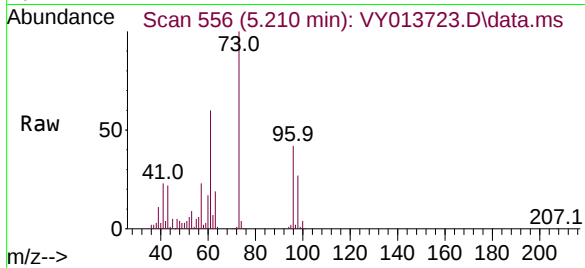




#21  
trans-1,2-Dichloroethene  
Concen: 28.285 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

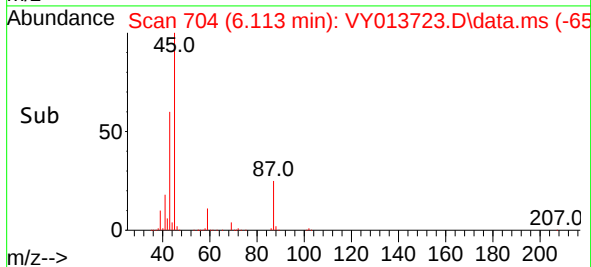
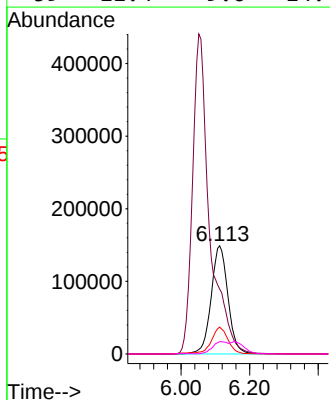
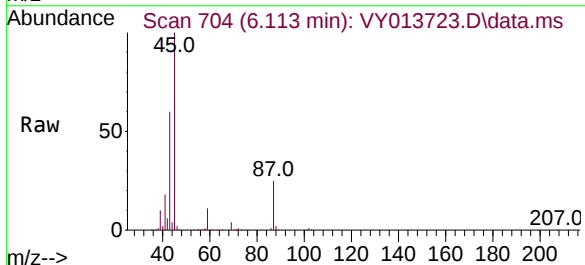
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

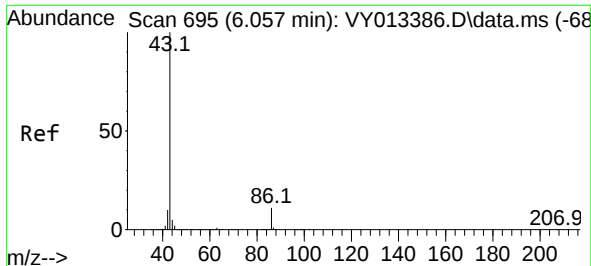
Tgt Ion: 96 Resp: 134612  
Ion Ratio Lower Upper  
96 100  
61 143.8 110.6 165.8  
98 63.2 53.1 79.7



#22  
Diisopropyl ether  
Concen: 32.042 ug/l  
RT: 6.113 min Scan# 704  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 45 Resp: 505828  
Ion Ratio Lower Upper  
45 100  
43 59.9 48.4 72.6  
87 24.8 23.8 35.6  
59 11.4 9.6 14.4

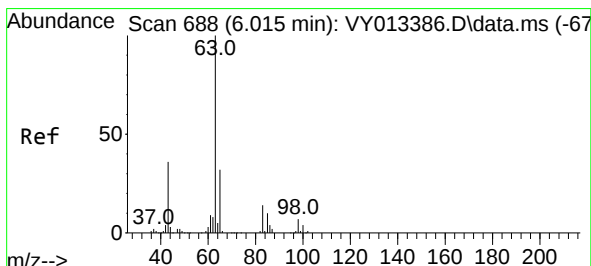
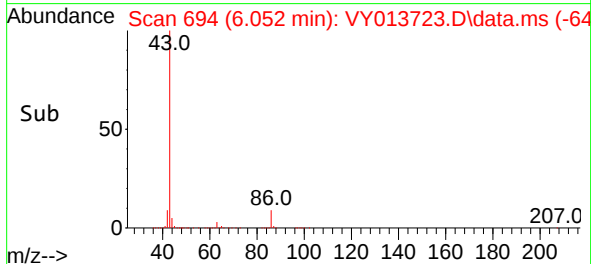
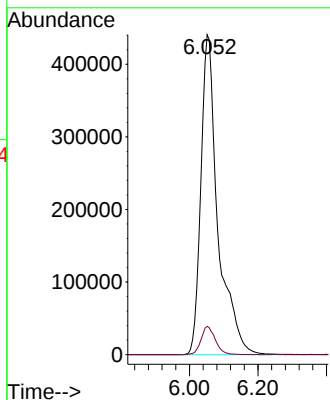
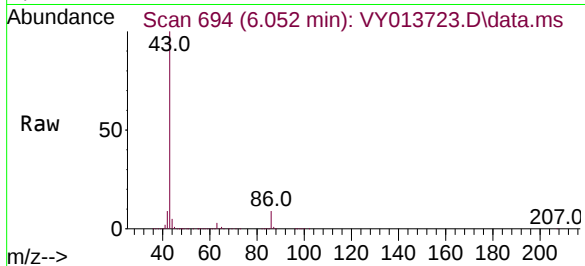




#23  
 Vinyl Acetate  
 Concen: 170.621 ug/l  
 RT: 6.052 min Scan# 694  
 Delta R.T. -0.005 min  
 Lab File: VY013723.D  
 Acq: 11 May 2023 18:07

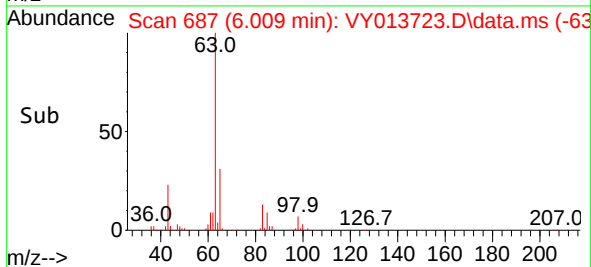
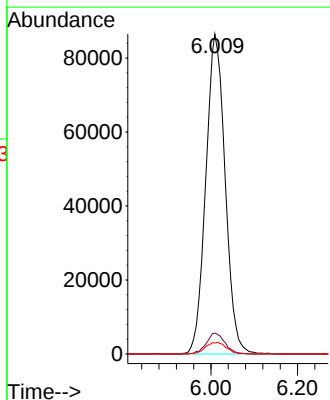
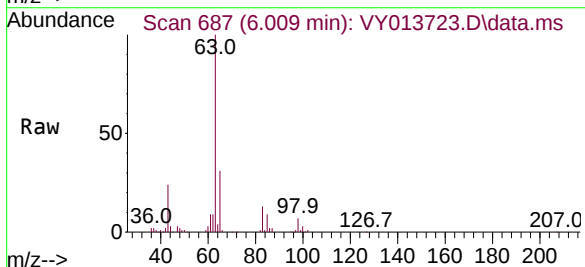
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

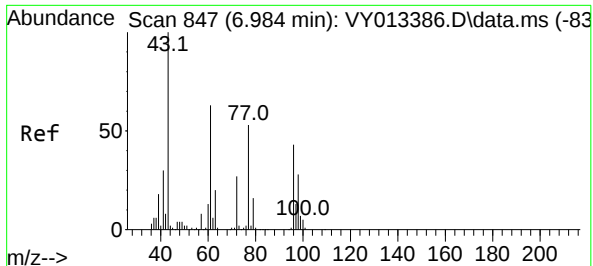
Tgt Ion: 43 Resp: 1525029  
 Ion Ratio Lower Upper  
 43 100  
 86 8.8 8.5 12.7



#24  
 1,1-Dichloroethane  
 Concen: 30.521 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY013723.D  
 Acq: 11 May 2023 18:07

Tgt Ion: 63 Resp: 268526  
 Ion Ratio Lower Upper  
 63 100  
 98 6.6 3.5 10.6  
 100 3.4 2.2 6.6

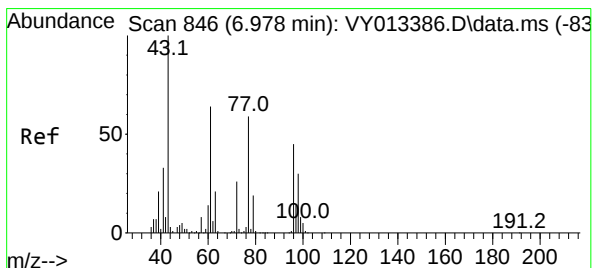
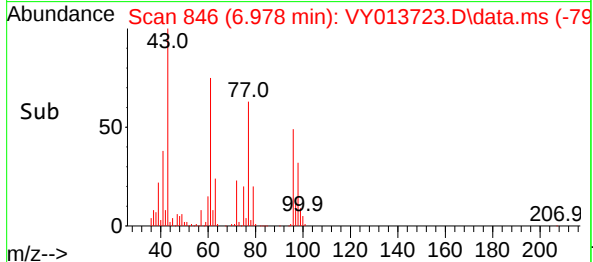
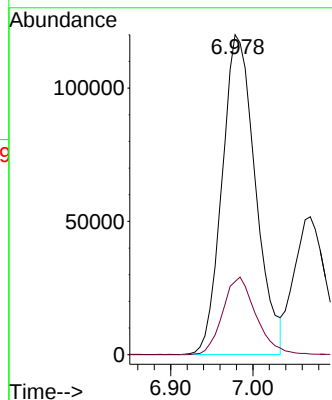
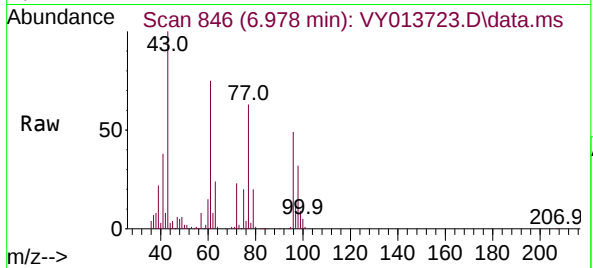




#25  
2-Butanone  
Concen: 147.831 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

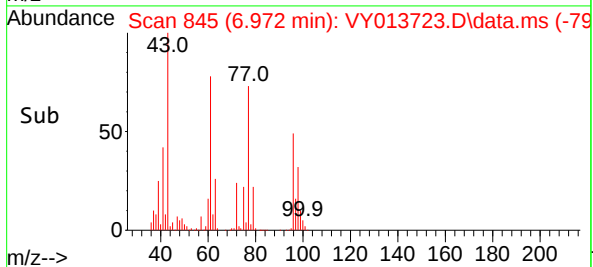
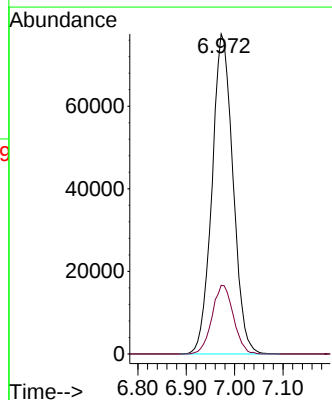
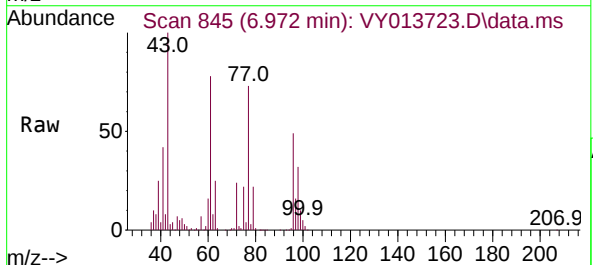
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

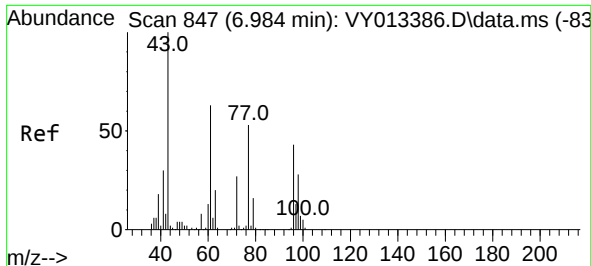
Tgt Ion: 43 Resp: 338982  
Ion Ratio Lower Upper  
43 100  
72 22.9 21.9 32.9



#26  
2,2-Dichloropropane  
Concen: 30.810 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 77 Resp: 233580  
Ion Ratio Lower Upper  
77 100  
97 21.8 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 29.981 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

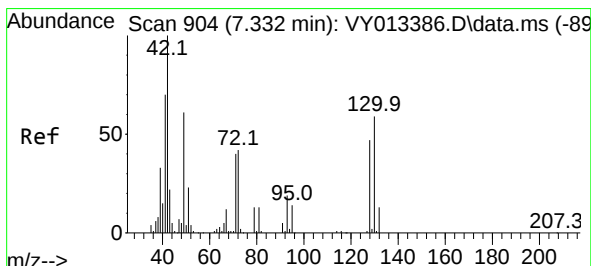
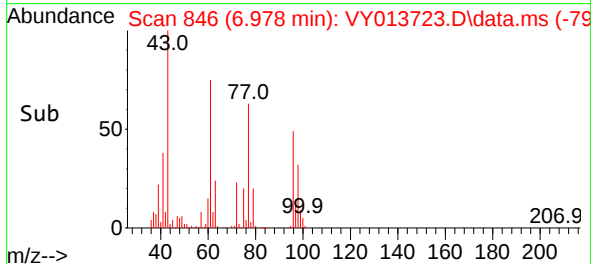
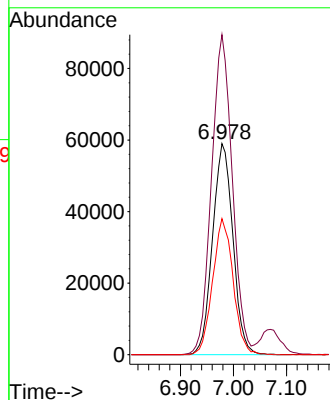
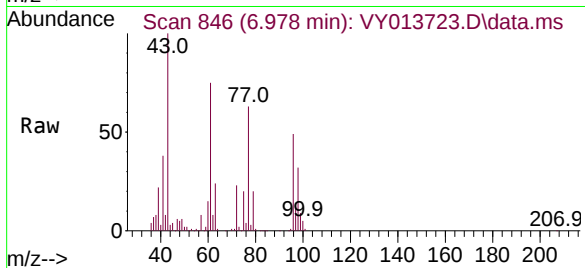
Tgt Ion: 96 Resp: 157648

Ion Ratio Lower Upper

96 100

61 154.7 0.0 285.0

98 64.7 0.0 130.6



#28

Bromochloromethane

Concen: 30.377 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

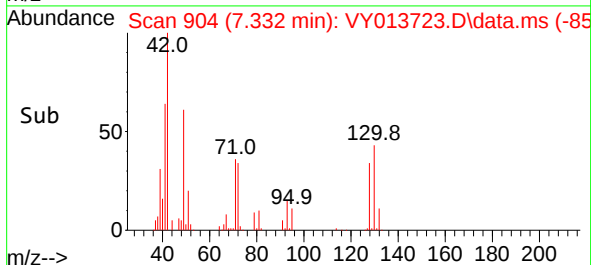
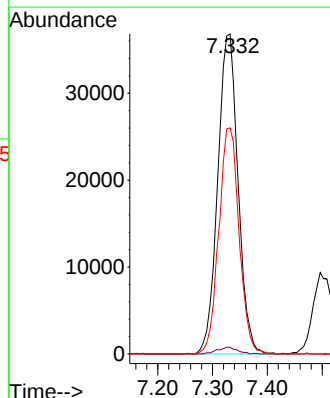
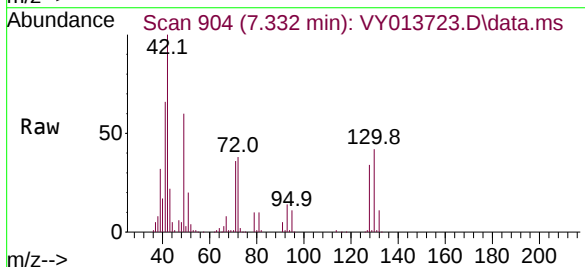
Tgt Ion: 49 Resp: 94840

Ion Ratio Lower Upper

49 100

129 2.1 0.0 5.2

130 70.5 72.1 108.1#





#29

Tetrahydrofuran

Concen: 145.595 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

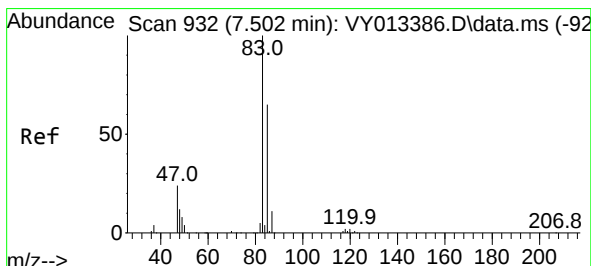
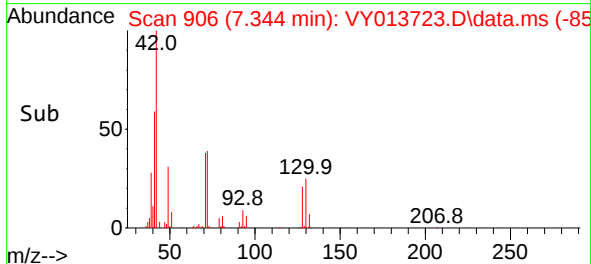
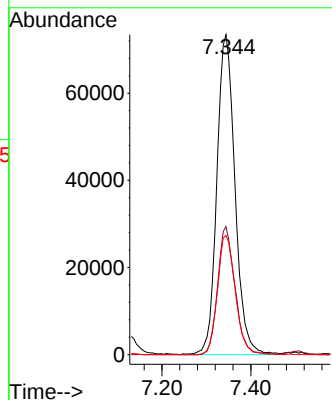
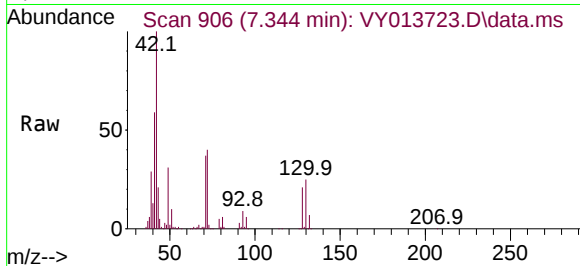
Tgt Ion: 42 Resp: 207817

Ion Ratio Lower Upper

42 100

72 38.0 35.9 53.9

71 36.7 34.3 51.5



#30

Chloroform

Concen: 30.912 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY013723.D

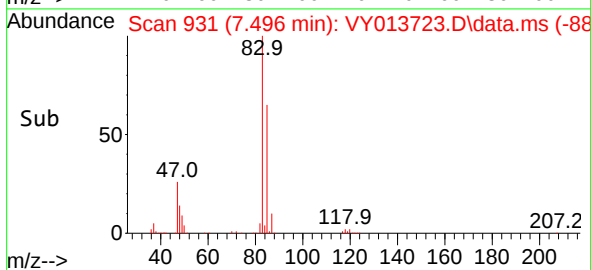
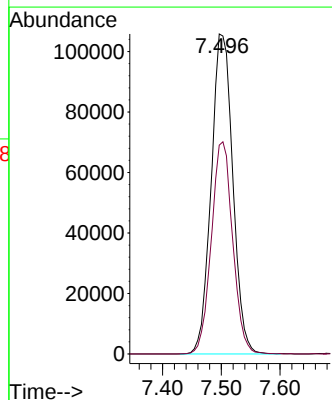
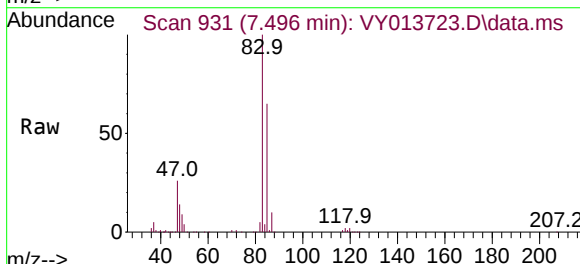
Acq: 11 May 2023 18:07

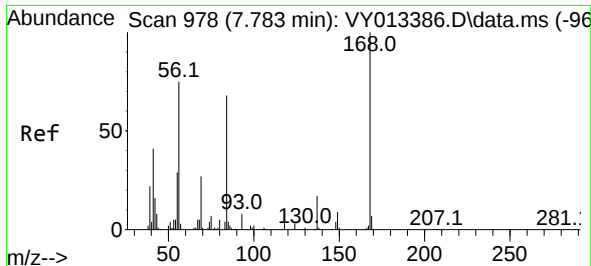
Tgt Ion: 83 Resp: 270404

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

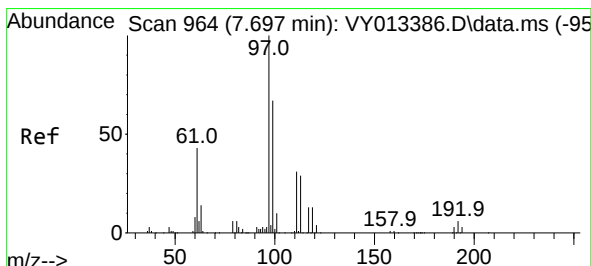
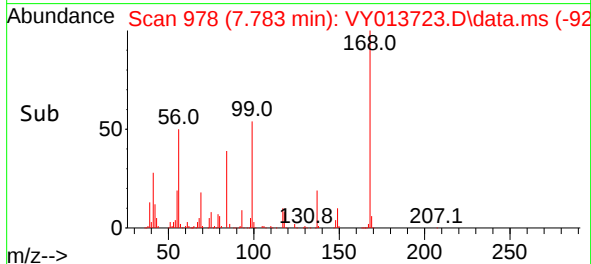
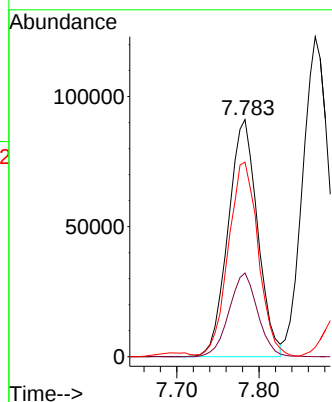
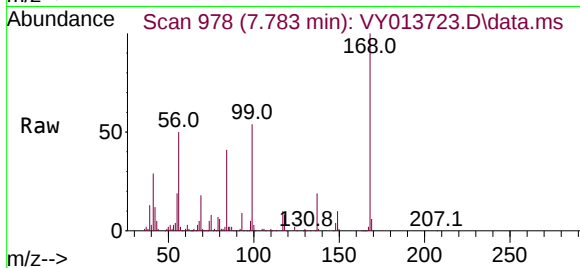




#31  
Cyclohexane  
Concen: 27.606 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

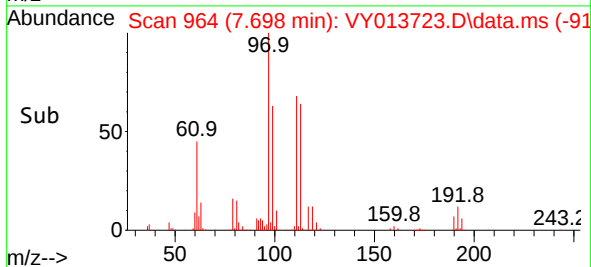
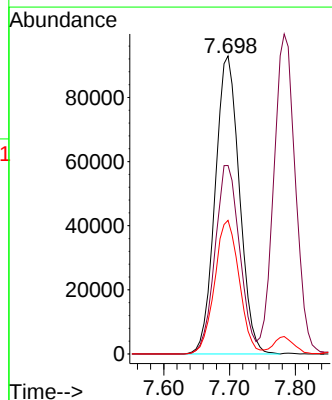
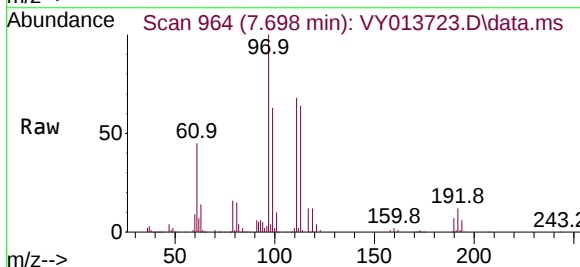
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

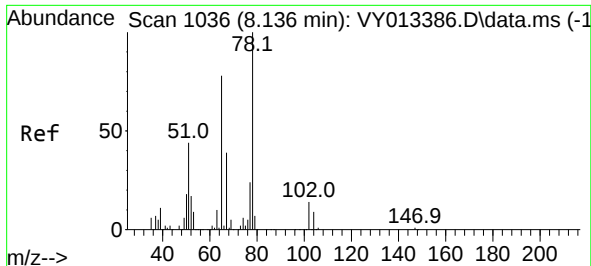
Tgt Ion: 56 Resp: 226928  
Ion Ratio Lower Upper  
56 100  
69 35.3 29.2 43.8  
84 80.6 73.0 109.6



#32  
1,1,1-Trichloroethane  
Concen: 30.583 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.001 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 97 Resp: 238731  
Ion Ratio Lower Upper  
97 100  
99 64.1 52.2 78.2  
61 45.6 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 57.238 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

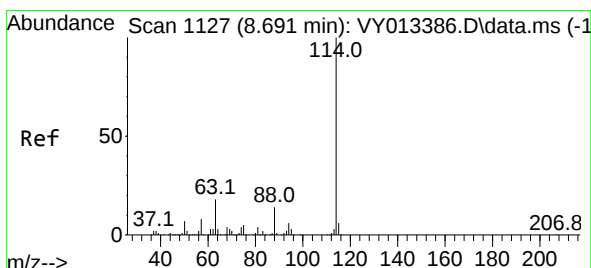
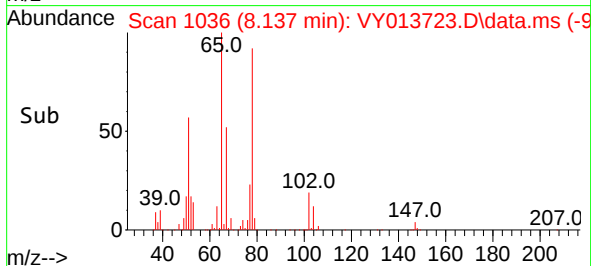
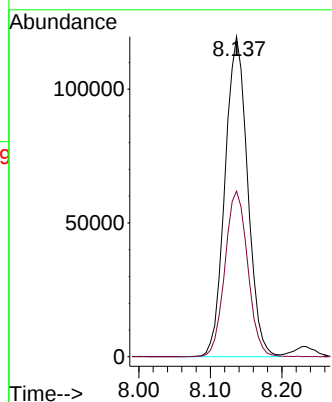
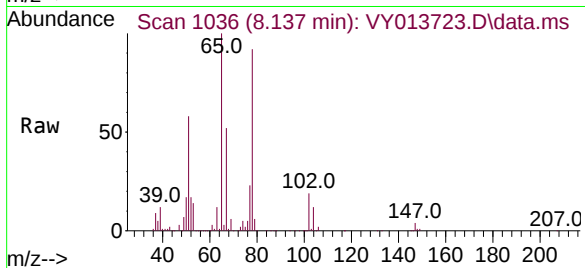
VSTDCCC050EC

Tgt Ion: 65 Resp: 262792

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

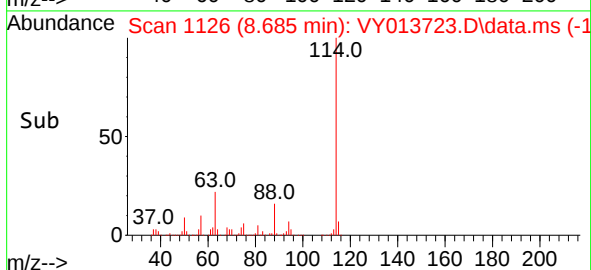
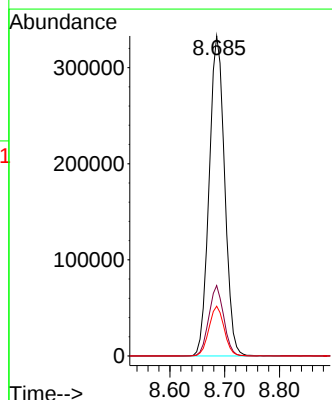
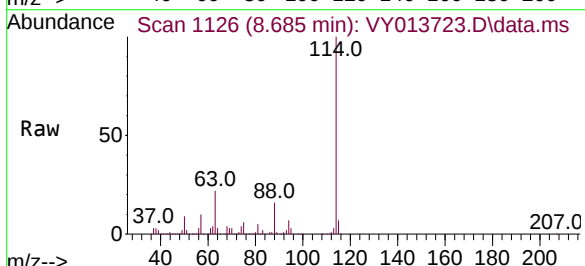
Tgt Ion: 114 Resp: 650772

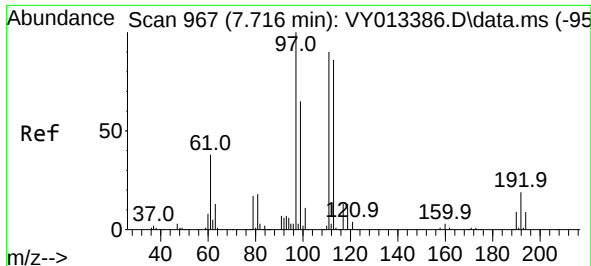
Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.6

88 15.6 0.0 28.8

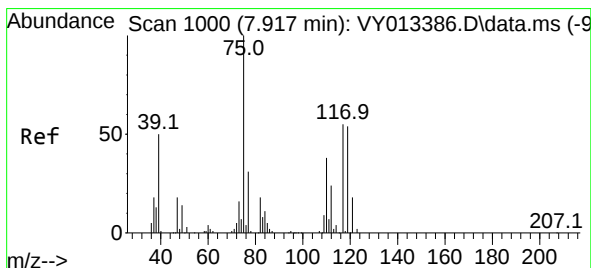
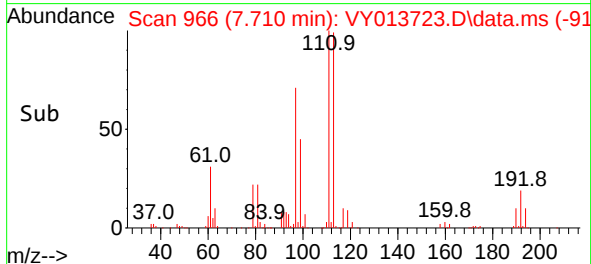
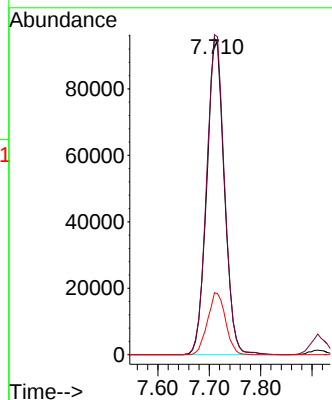
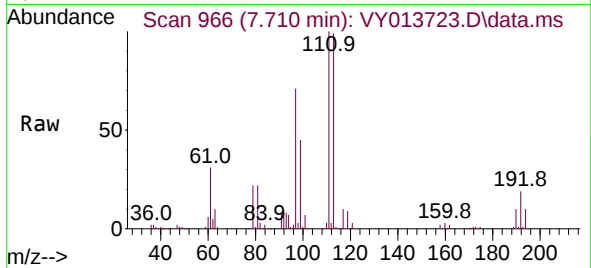




#35  
Dibromofluoromethane  
Concen: 55.181 ug/l  
RT: 7.710 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

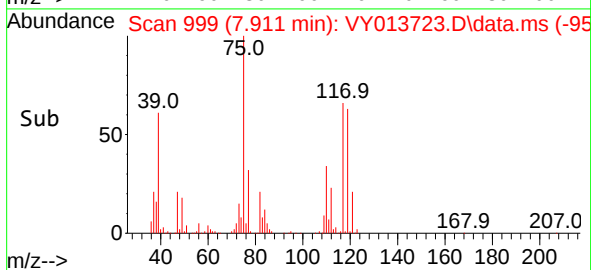
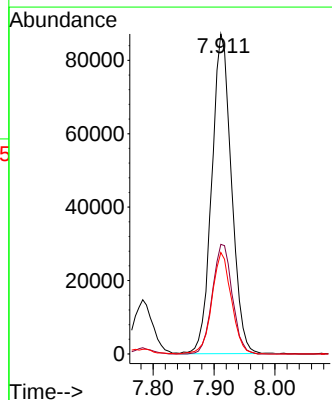
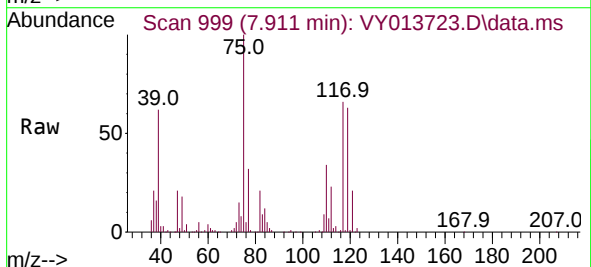
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

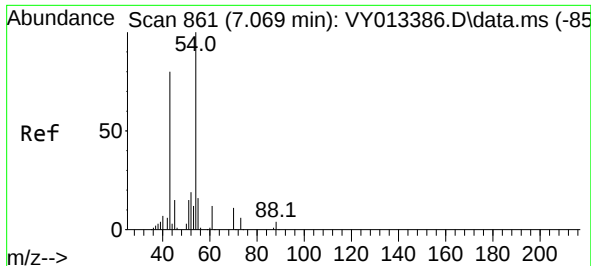
Tgt Ion:113 Resp: 225861  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.2  
192 20.0 16.7 25.1



#36  
1,1-Dichloropropene  
Concen: 28.820 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 75 Resp: 195773  
Ion Ratio Lower Upper  
75 100  
110 34.6 18.7 56.1  
77 31.4 24.6 37.0





#37

Ethyl Acetate

Concen: 28.409 ug/l

RT: 7.070 min Scan# 80

Delta R.T. 0.001 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

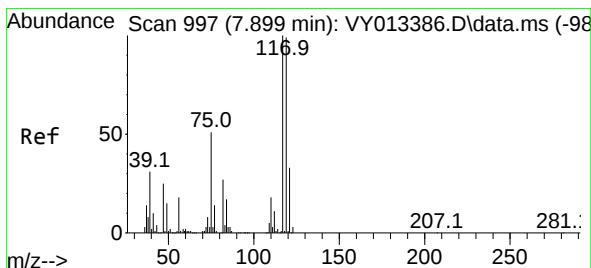
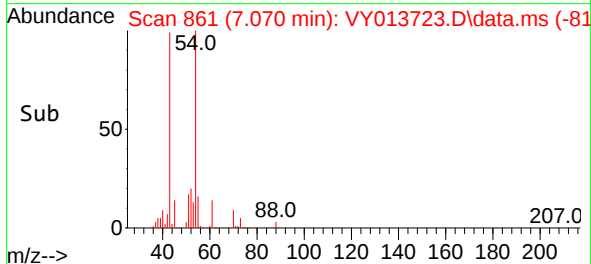
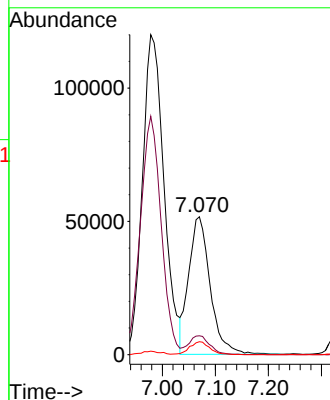
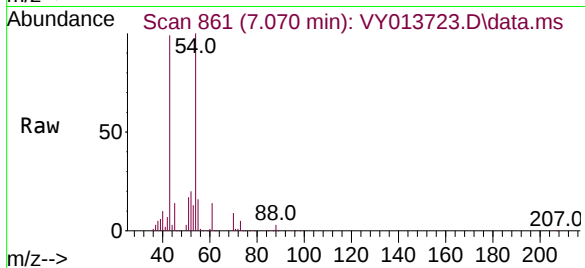
Tgt Ion: 43 Resp: 145225

Ion Ratio Lower Upper

43 100

61 12.9 11.4 17.0

70 8.9 7.9 11.9



#38

Carbon Tetrachloride

Concen: 30.079 ug/l

RT: 7.893 min Scan# 996

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

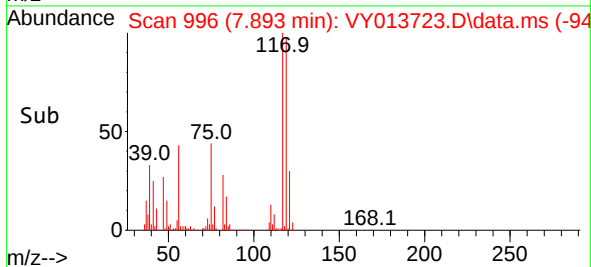
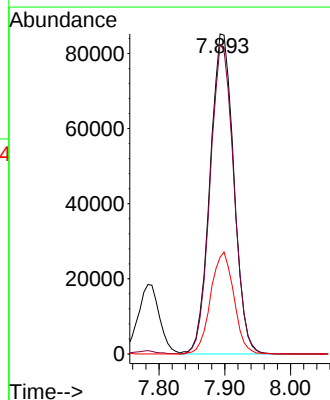
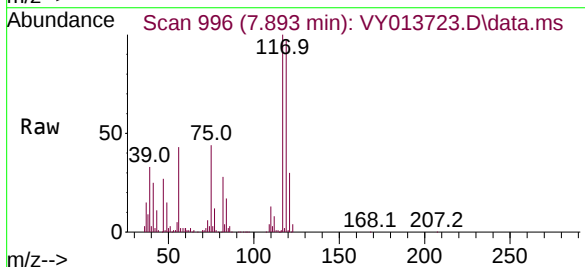
Tgt Ion: 117 Resp: 214156

Ion Ratio Lower Upper

117 100

119 96.7 79.0 118.6

121 30.2 26.6 40.0





#39

Methylcyclohexane

Concen: 28.105 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

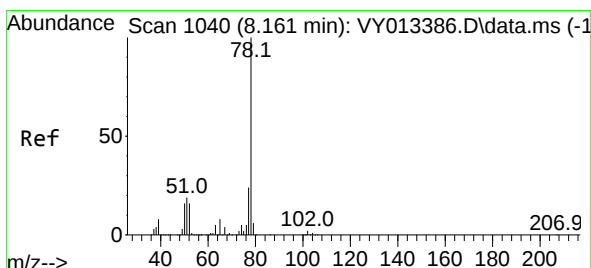
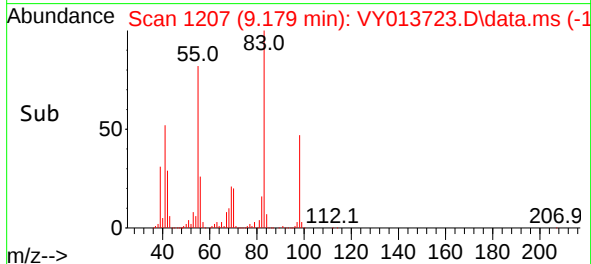
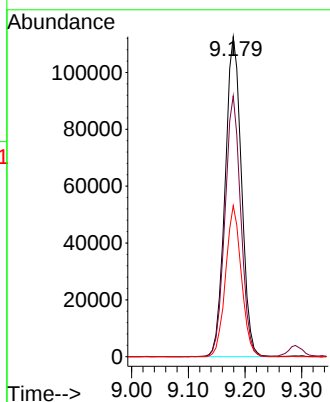
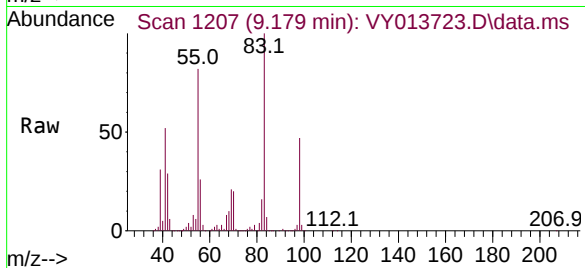
Tgt Ion: 83 Resp: 225076

Ion Ratio Lower Upper

83 100

55 81.5 59.0 88.4

98 47.2 37.0 55.4



#40

Benzene

Concen: 29.482 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013723.D

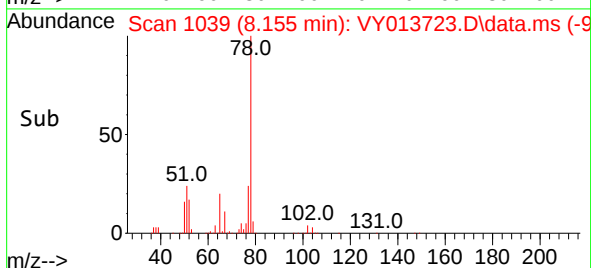
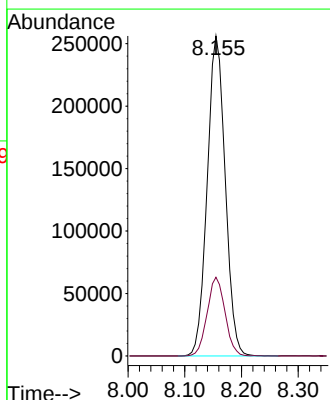
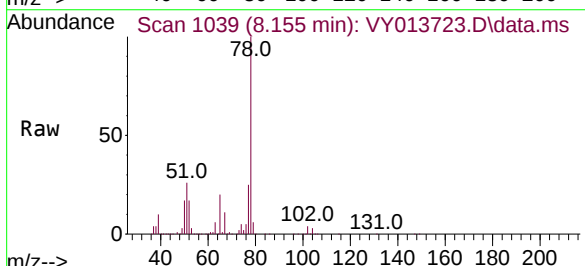
Acq: 11 May 2023 18:07

Tgt Ion: 78 Resp: 564131

Ion Ratio Lower Upper

78 100

77 24.6 19.2 28.8

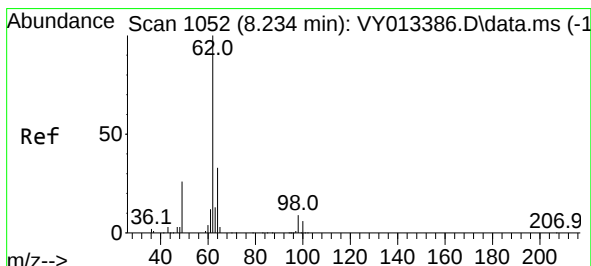
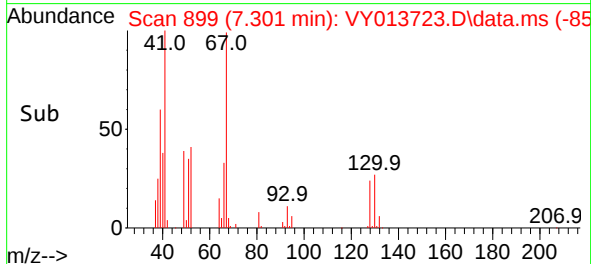
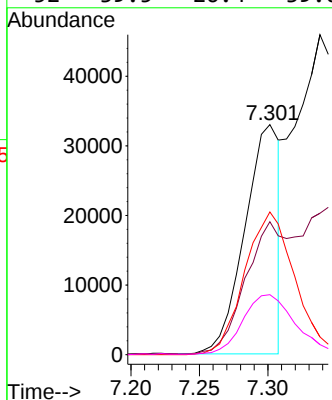
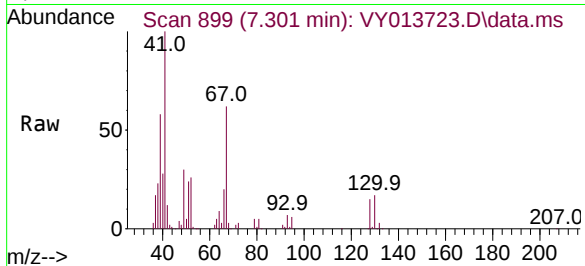




#41  
Methacrylonitrile  
Concen: 24.523 ug/l  
RT: 7.301 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

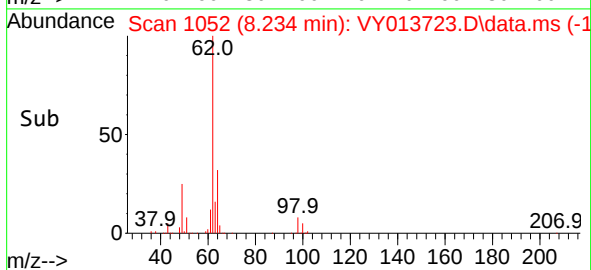
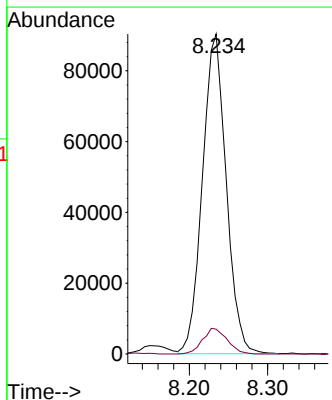
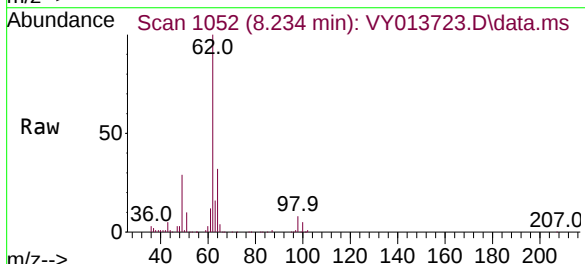
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

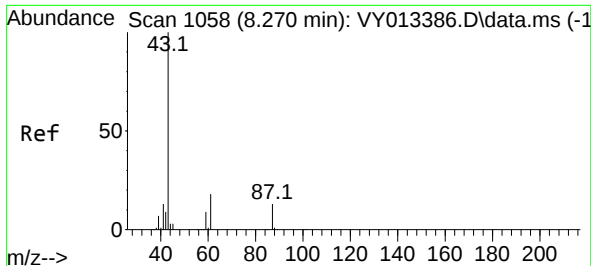
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 58417 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 66.4  | 44.2  | 66.4# |
| 67       | 90.8  | 62.9  | 94.3  |
| 52       | 39.5  | 26.4  | 39.6  |



#42  
1,2-Dichloroethane  
Concen: 30.448 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 190480 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.2   | 0.0   | 17.8   |

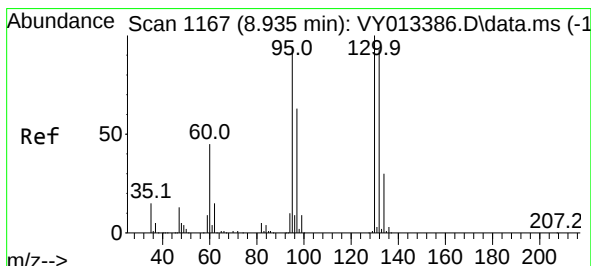
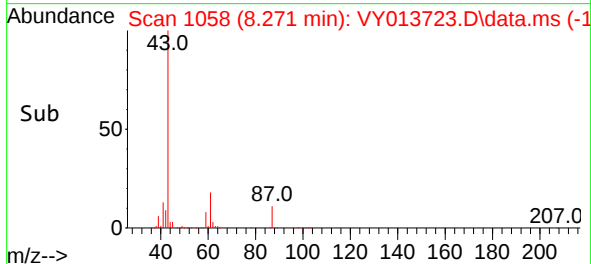
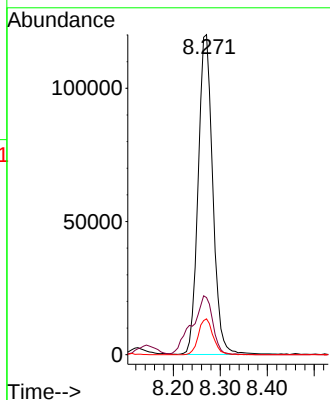
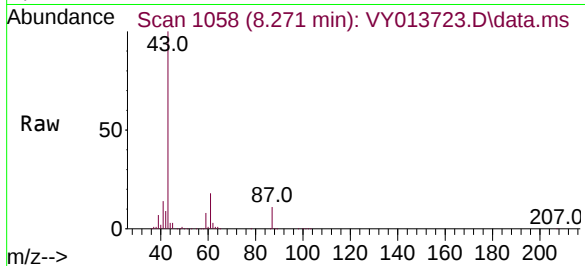




#43  
Isopropyl Acetate  
Concen: 30.018 ug/l  
RT: 8.271 min Scan# 1105  
Delta R.T. 0.001 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

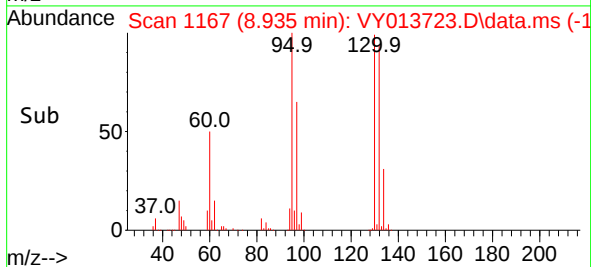
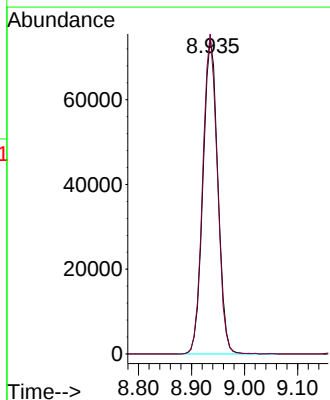
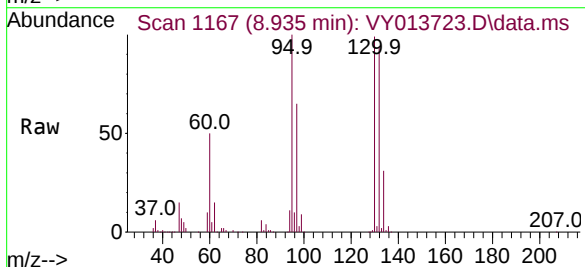
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

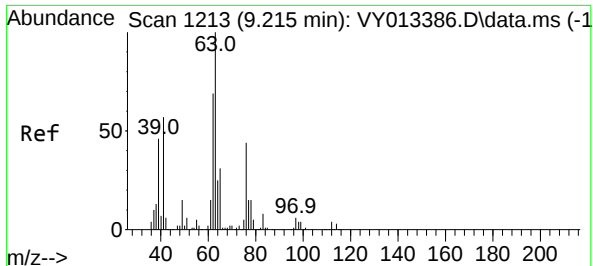
Tgt Ion: 43 Resp: 259006  
Ion Ratio Lower Upper  
43 100  
61 26.3 22.2 33.4  
87 11.3 11.0 16.6



#44  
Trichloroethene  
Concen: 28.391 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion:130 Resp: 144510  
Ion Ratio Lower Upper  
130 100  
95 101.5 0.0 188.8





#45

1,2-Dichloropropane

Concen: 30.539 ug/l

RT: 9.210 min Scan# 1212

Delta R.T. -0.005 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

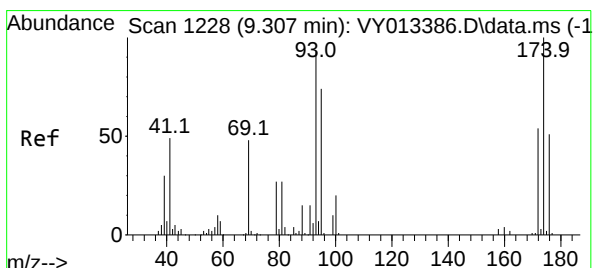
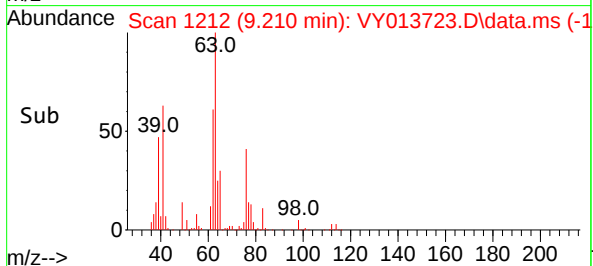
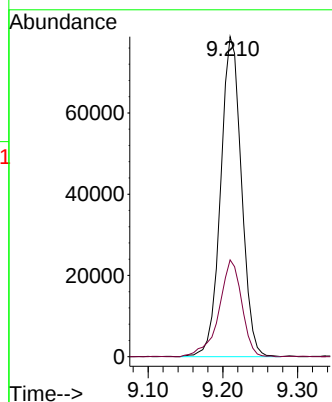
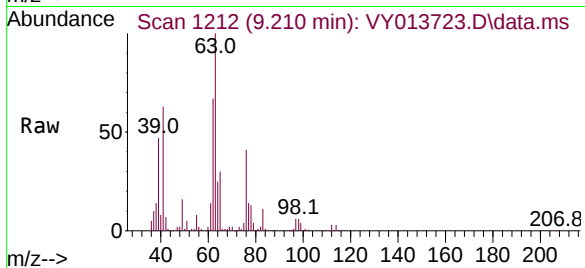
VSTDCCC050EC

Tgt Ion: 63 Resp: 152793

Ion Ratio Lower Upper

63 100

65 30.3 24.6 37.0



#46

Dibromomethane

Concen: 29.168 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

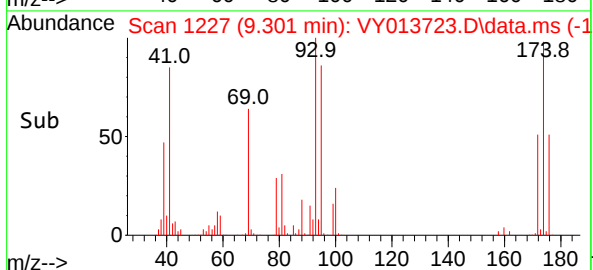
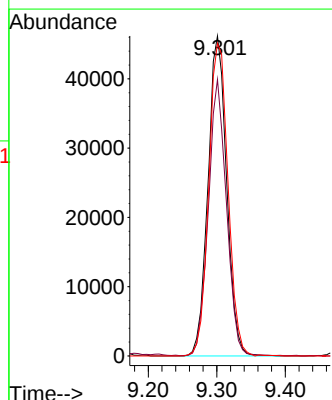
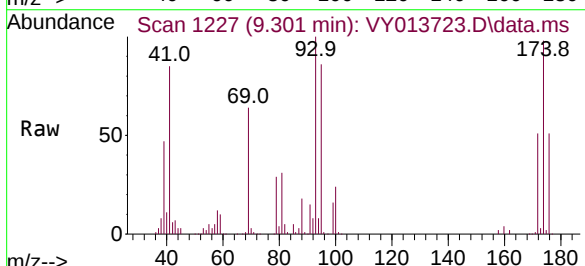
Tgt Ion: 93 Resp: 87318

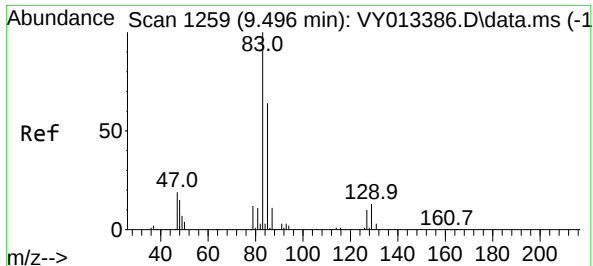
Ion Ratio Lower Upper

93 100

95 83.5 67.1 100.7

174 100.8 87.0 130.4

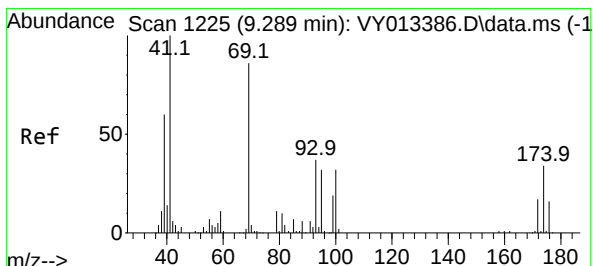
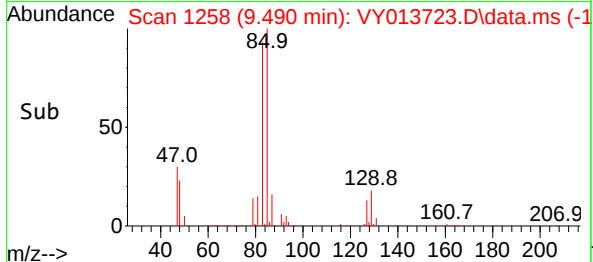
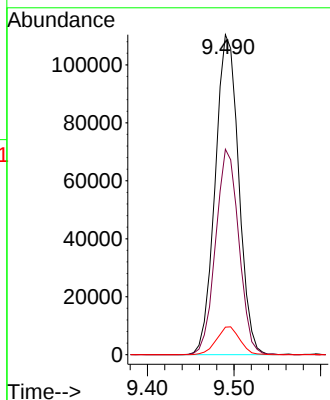
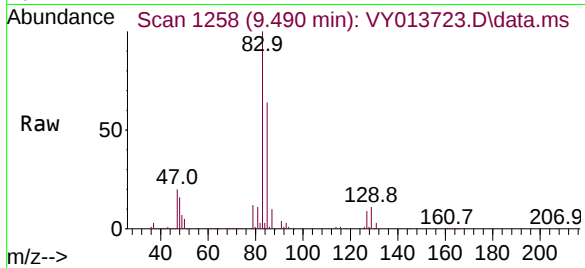




#47  
Bromodichloromethane  
Concen: 31.076 ug/l  
RT: 9.490 min Scan# 1259  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

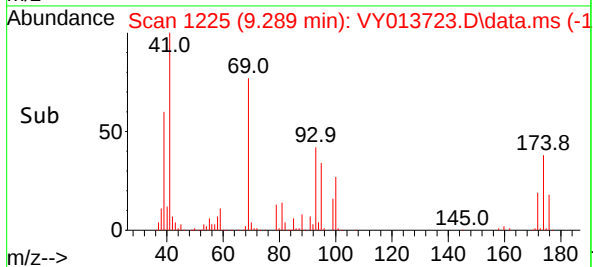
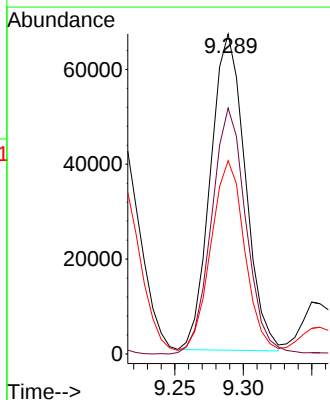
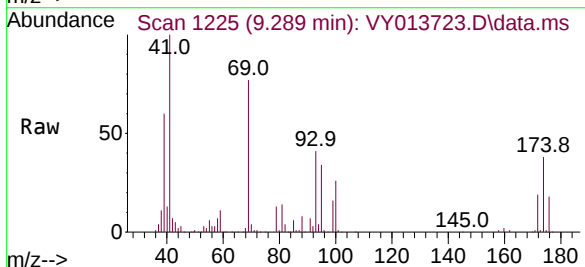
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

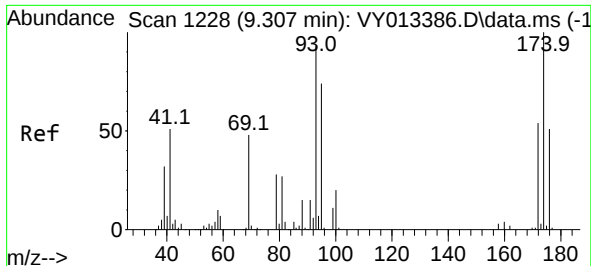
Tgt Ion: 83 Resp: 208162  
Ion Ratio Lower Upper  
83 100  
85 64.2 51.4 77.2  
127 8.6 8.1 12.1



#48  
Methyl methacrylate  
Concen: 29.687 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 41 Resp: 117644  
Ion Ratio Lower Upper  
41 100  
69 77.9 70.2 105.4  
39 58.2 47.9 71.9





#49

1,4-Dioxane

Concen: 537.254 ug/l

RT: 9.301 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

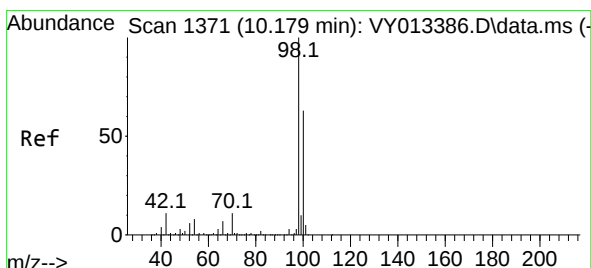
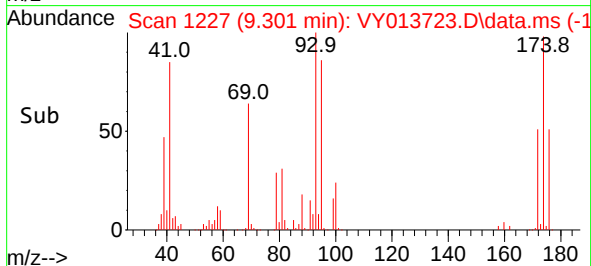
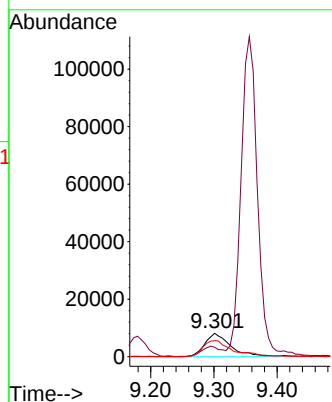
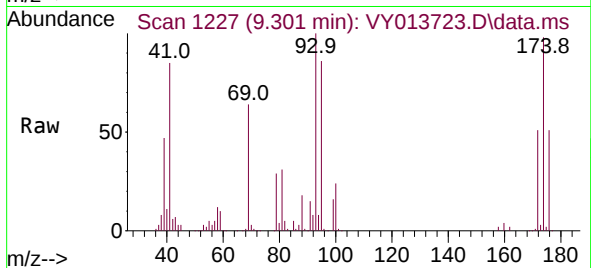
Tgt Ion: 88 Resp: 22970

Ion Ratio Lower Upper

88 100

43 33.5 16.8 25.2#

58 80.0 54.3 81.5



#50

Toluene-d8

Concen: 53.504 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013723.D

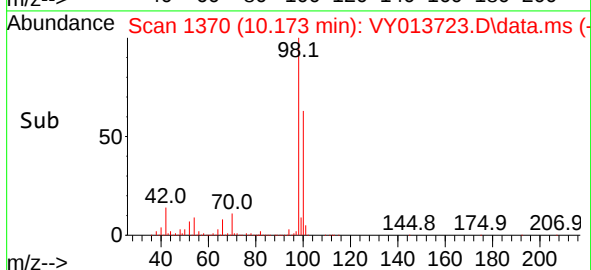
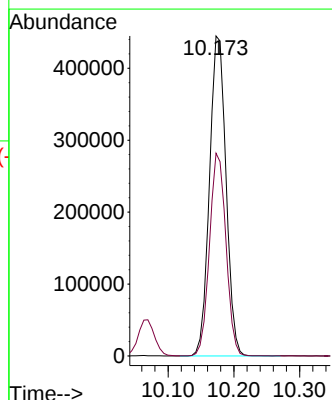
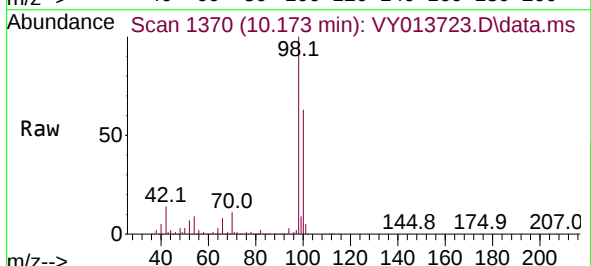
Acq: 11 May 2023 18:07

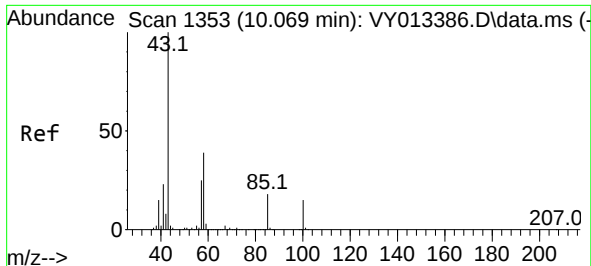
Tgt Ion: 98 Resp: 779056

Ion Ratio Lower Upper

98 100

100 62.8 50.5 75.7

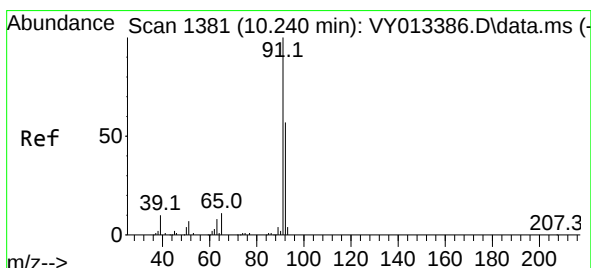
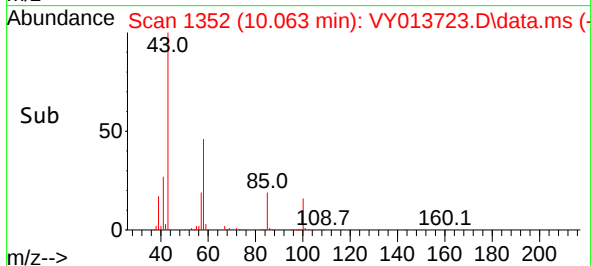
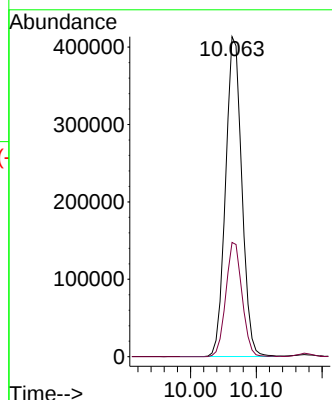
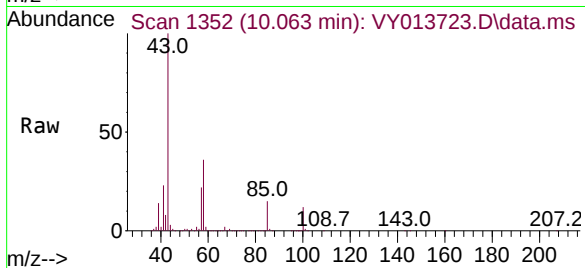




#51  
4-Methyl-2-Pentanone  
Concen: 147.854 ug/l  
RT: 10.063 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

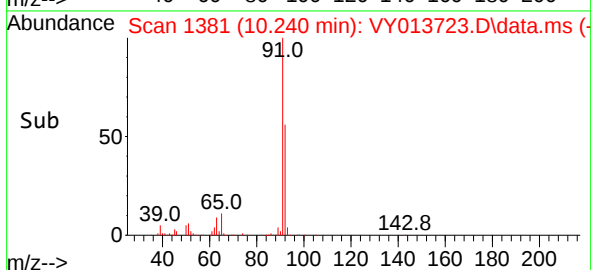
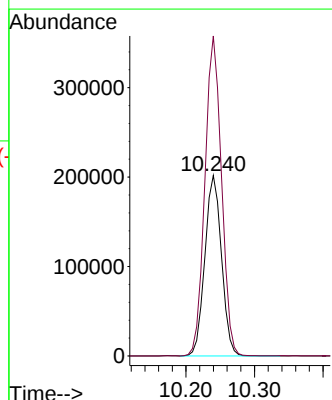
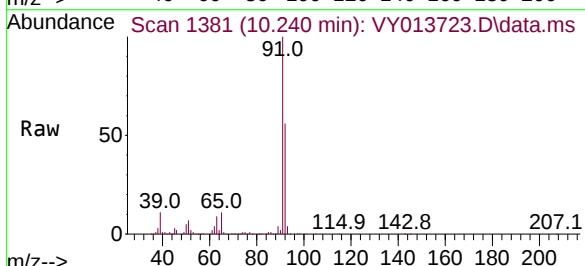
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

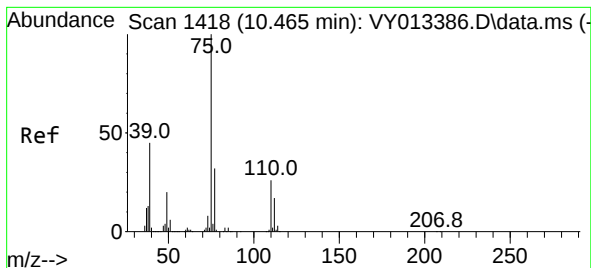
Tgt Ion: 43 Resp: 710908  
Ion Ratio Lower Upper  
43 100  
58 35.7 30.6 46.0



#52  
Toluene  
Concen: 29.608 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 92 Resp: 340932  
Ion Ratio Lower Upper  
92 100  
91 177.2 140.2 210.4

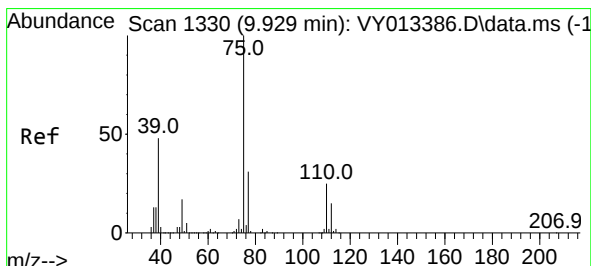
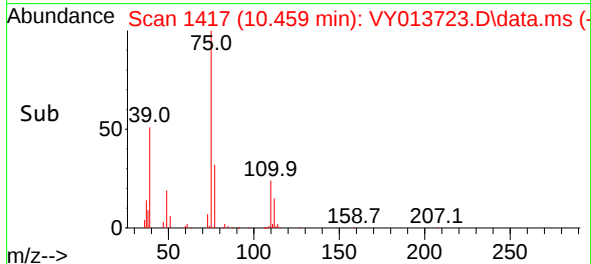
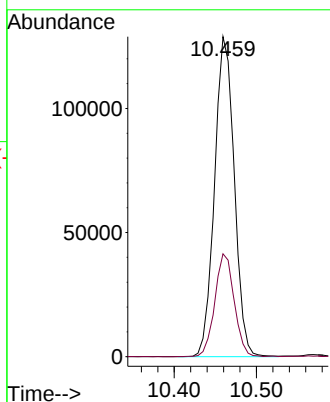
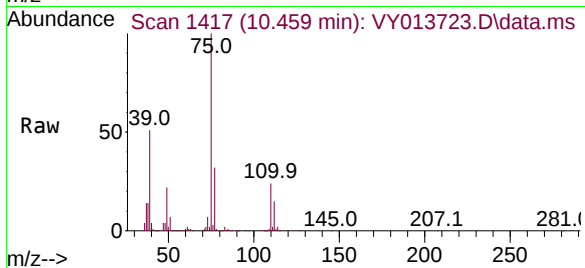




#53  
t-1,3-Dichloropropene  
Concen: 30.340 ug/l  
RT: 10.459 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

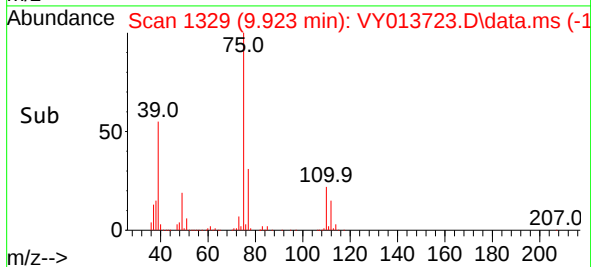
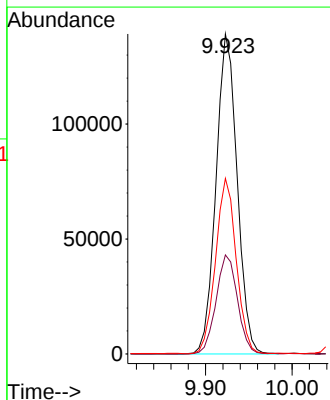
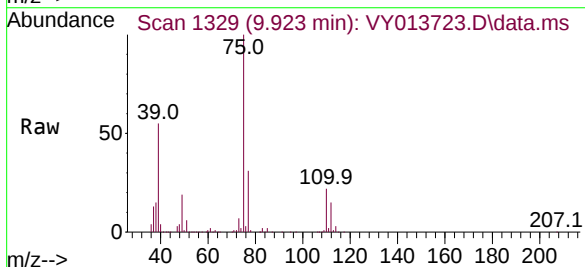
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

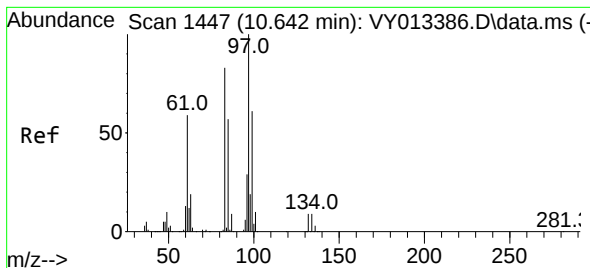
Tgt Ion: 75 Resp: 215089  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.8 38.8



#54  
cis-1,3-Dichloropropene  
Concen: 29.570 ug/l  
RT: 9.923 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 75 Resp: 235879  
Ion Ratio Lower Upper  
75 100  
77 31.0 24.8 37.2  
39 54.7 38.1 57.1





#55

1,1,2-Trichloroethane

Concen: 29.740 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 117901

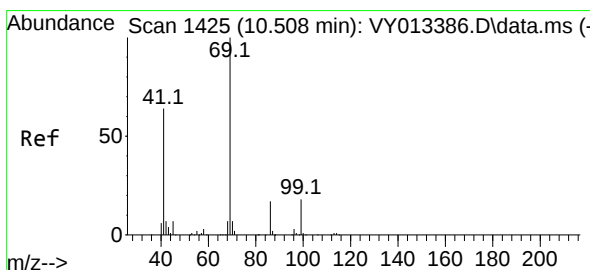
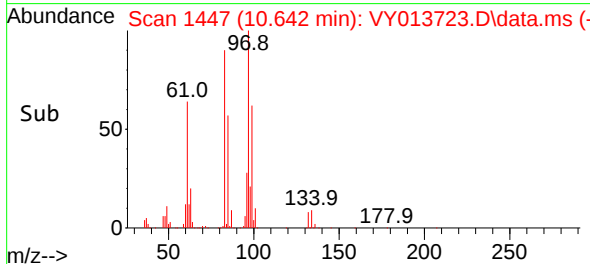
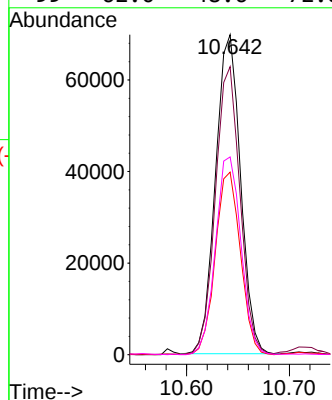
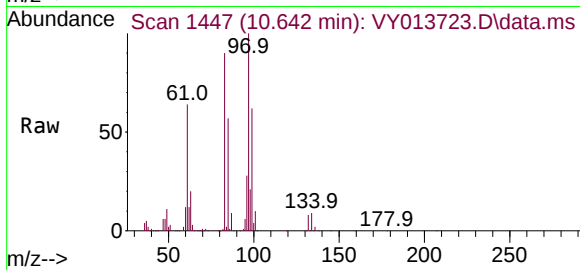
Ion Ratio Lower Upper

97 100

83 90.1 66.4 99.6

85 57.1 45.6 68.4

99 62.0 48.6 72.8



#56

Ethyl methacrylate

Concen: 30.918 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

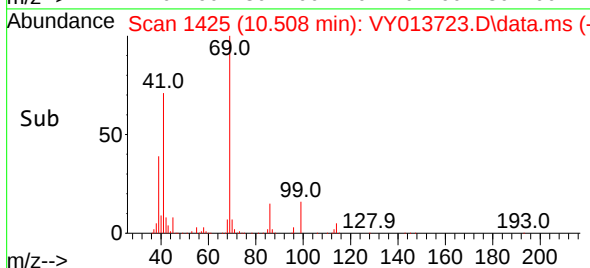
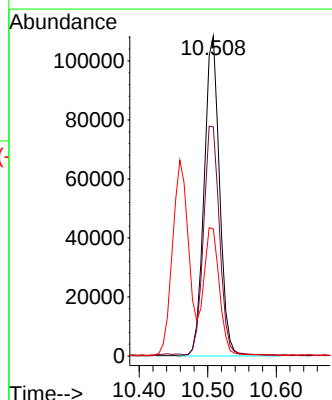
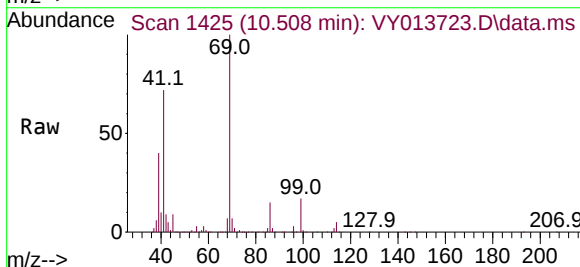
Tgt Ion: 69 Resp: 170049

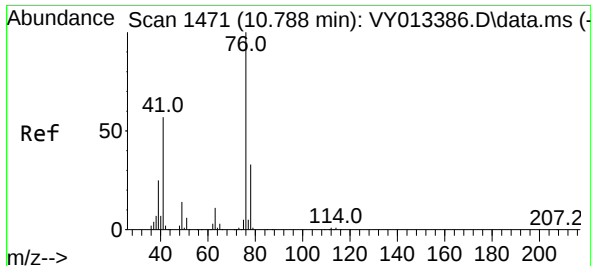
Ion Ratio Lower Upper

69 100

41 74.2 51.4 77.0

39 40.8 29.0 43.6





#57

1,3-Dichloropropane

Concen: 30.230 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

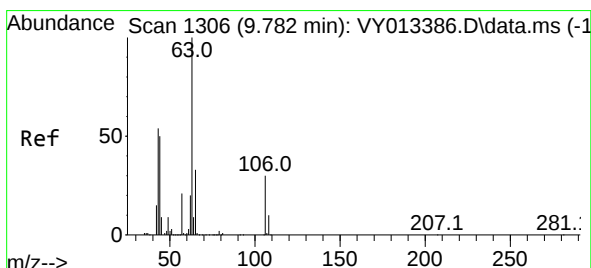
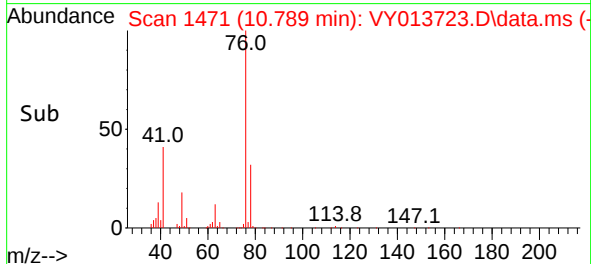
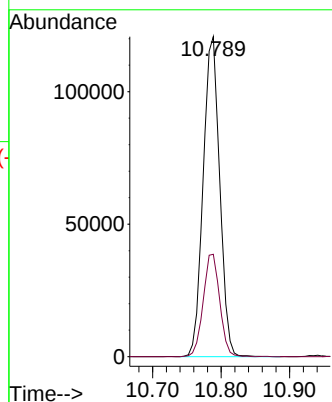
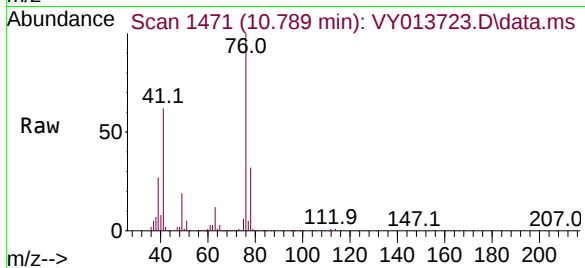
VSTDCCC050EC

Tgt Ion: 76 Resp: 202964

Ion Ratio Lower Upper

76 100

78 32.0 26.5 39.7



#58

2-Chloroethyl Vinyl ether

Concen: 144.262 ug/l

RT: 9.777 min Scan# 1305

Delta R.T. -0.005 min

Lab File: VY013723.D

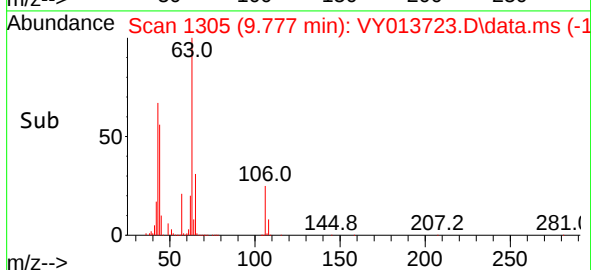
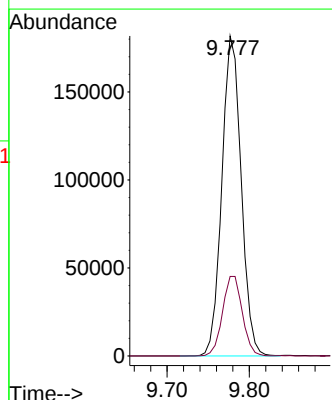
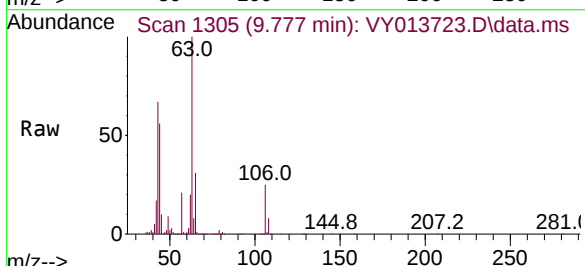
Acq: 11 May 2023 18:07

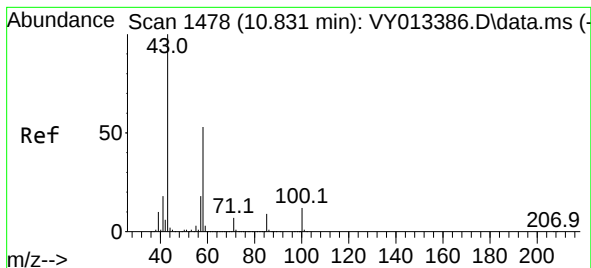
Tgt Ion: 63 Resp: 297526

Ion Ratio Lower Upper

63 100

106 25.5 23.5 35.3

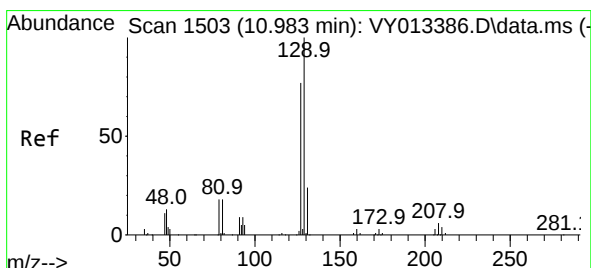
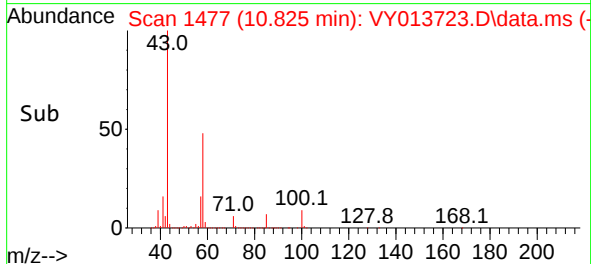
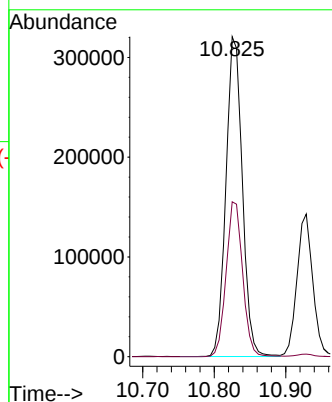
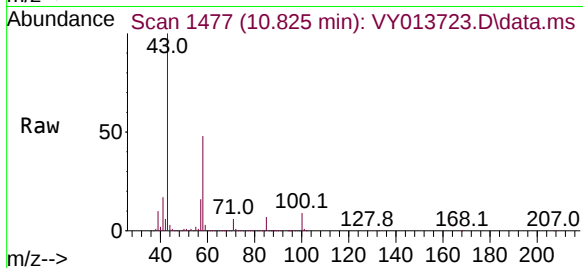




#59  
2-Hexanone  
Concen: 146.130 ug/l  
RT: 10.825 min Scan# 1477  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

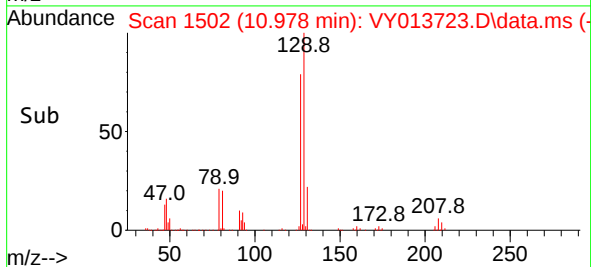
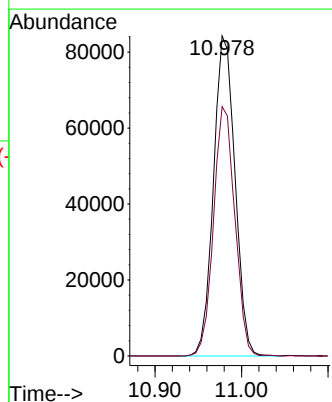
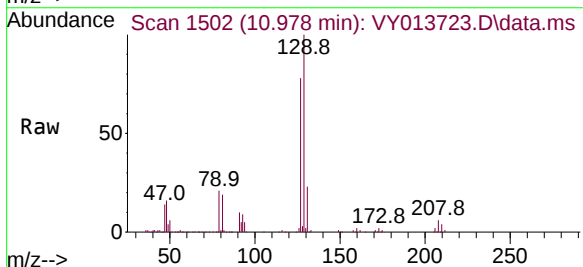
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

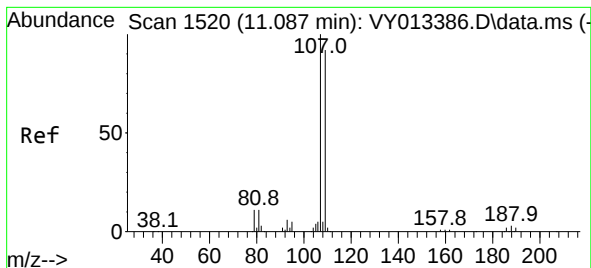
Tgt Ion: 43 Resp: 510745  
Ion Ratio Lower Upper  
43 100  
58 48.8 26.3 78.8



#60  
Dibromochloromethane  
Concen: 30.222 ug/l  
RT: 10.978 min Scan# 1502  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 129 Resp: 145477  
Ion Ratio Lower Upper  
129 100  
127 77.1 38.7 116.1

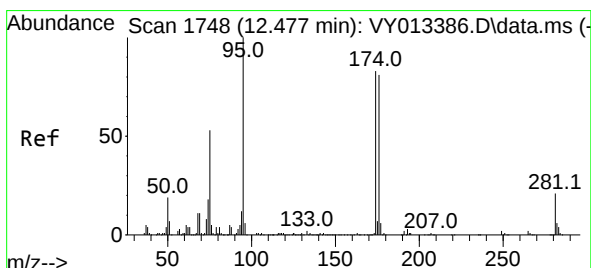
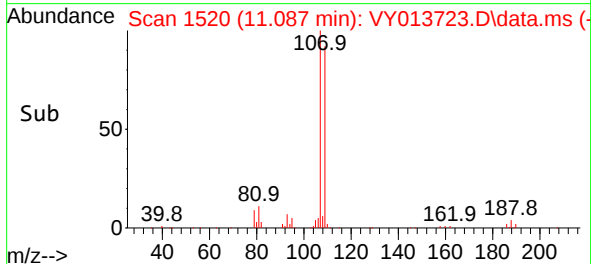
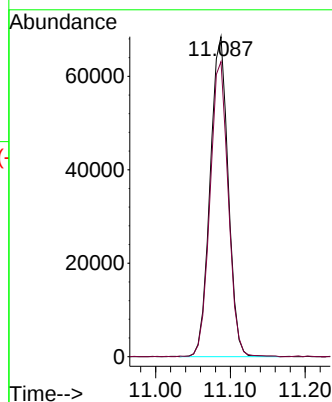
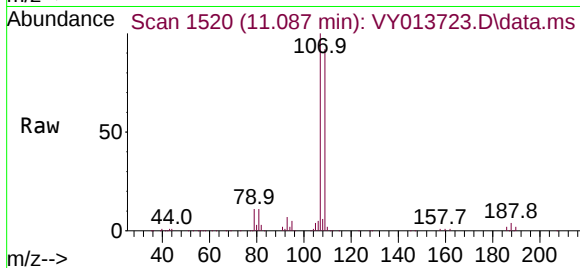




#61  
1,2-Dibromoethane  
Concen: 29.470 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

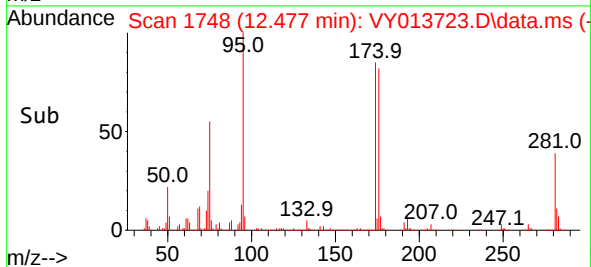
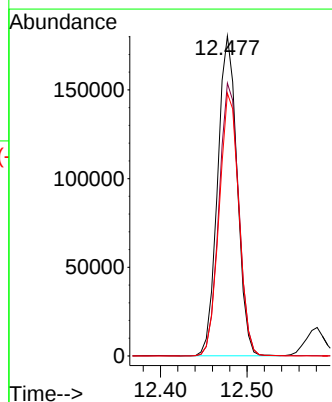
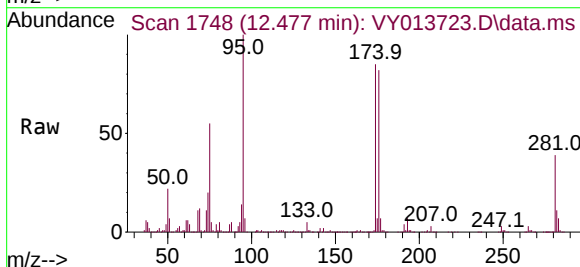
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

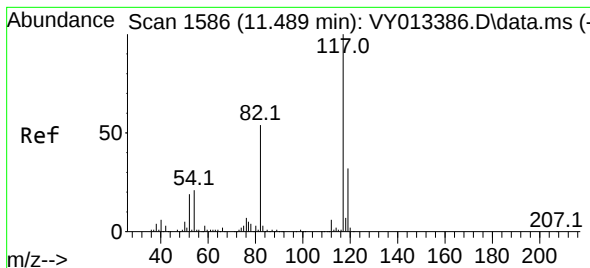
Tgt Ion:107 Resp: 114861  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 57.483 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 95 Resp: 282172  
Ion Ratio Lower Upper  
95 100  
174 86.5 0.0 182.0  
176 83.0 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.005 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

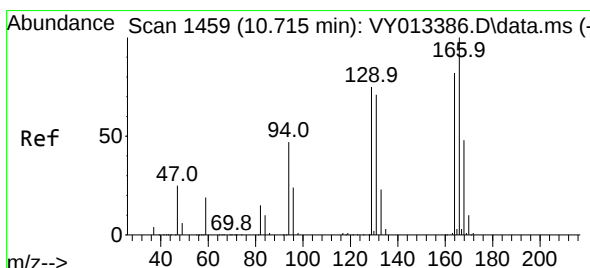
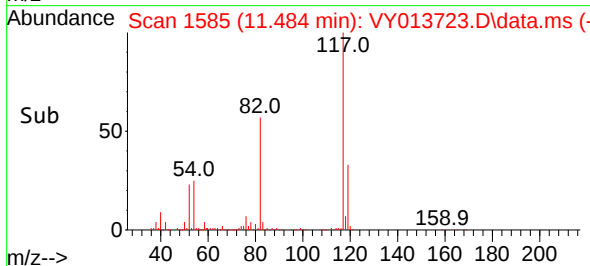
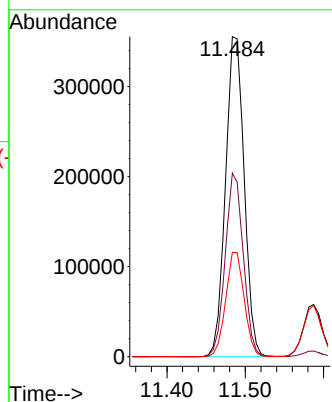
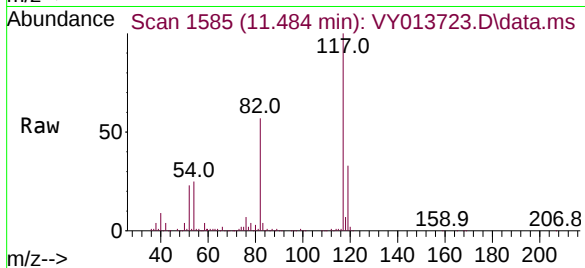
Tgt Ion:117 Resp: 589171

Ion Ratio Lower Upper

117 100

82 57.4 43.0 64.6

119 32.6 25.5 38.3



#64

Tetrachloroethene

Concen: 27.775 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Tgt Ion:164 Resp: 124433

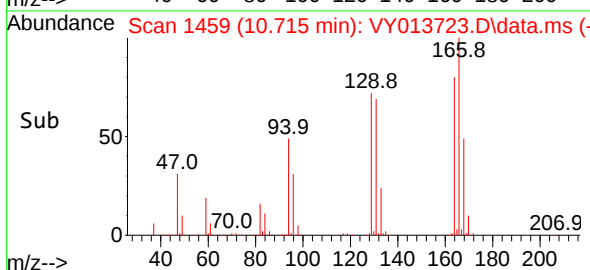
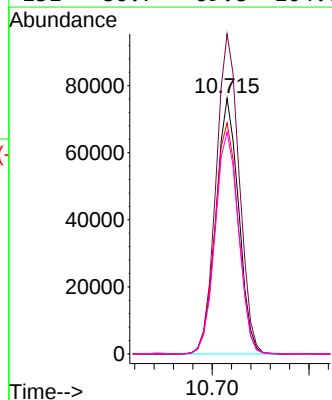
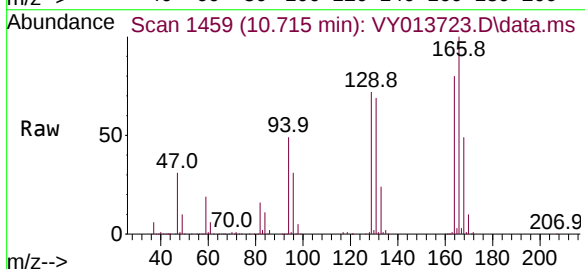
Ion Ratio Lower Upper

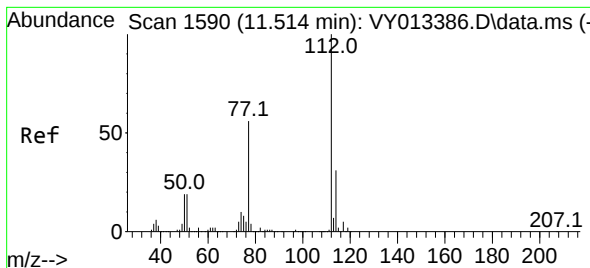
164 100

166 125.1 97.5 146.3

129 90.3 72.6 109.0

131 86.7 69.8 104.6

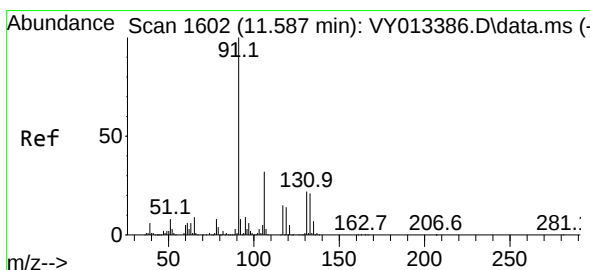
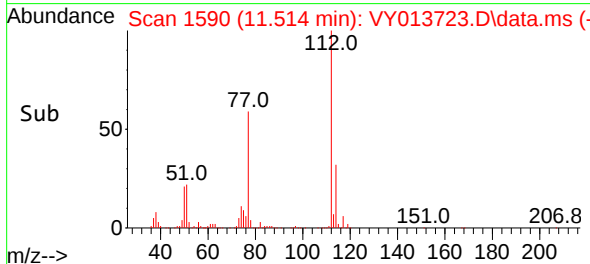
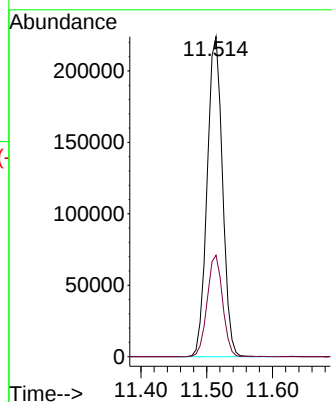
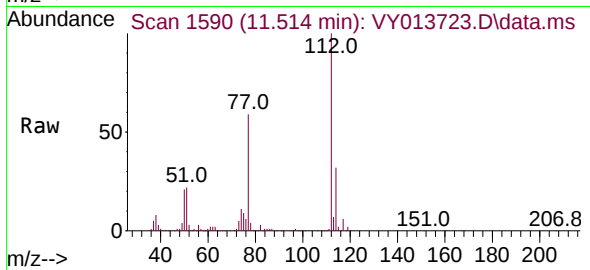




#65  
Chlorobenzene  
Concen: 28.326 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

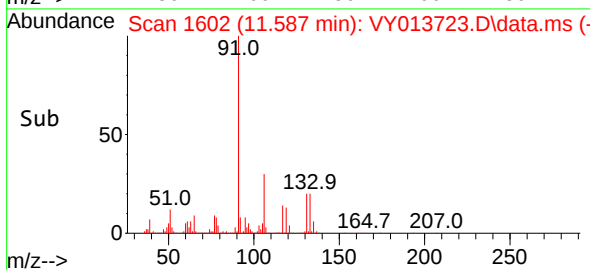
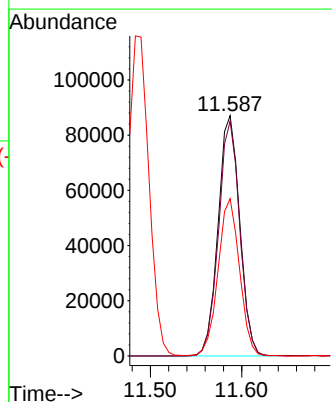
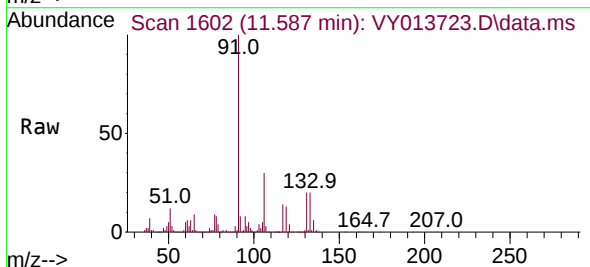
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

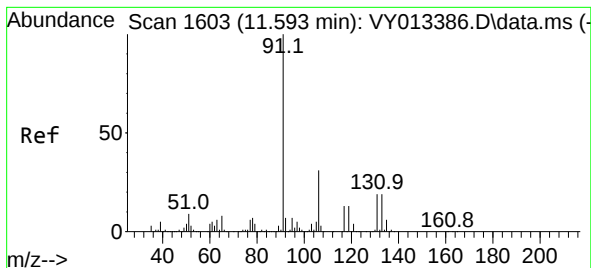
Tgt Ion:112 Resp: 363548  
Ion Ratio Lower Upper  
112 100  
114 31.7 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 29.840 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion:131 Resp: 143232  
Ion Ratio Lower Upper  
131 100  
133 95.7 47.7 143.1  
119 65.1 32.6 98.0





#67

Ethyl Benzene

Concen: 29.431 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

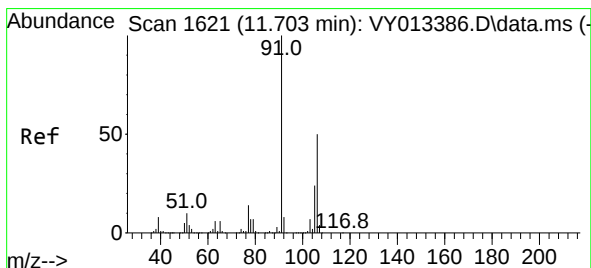
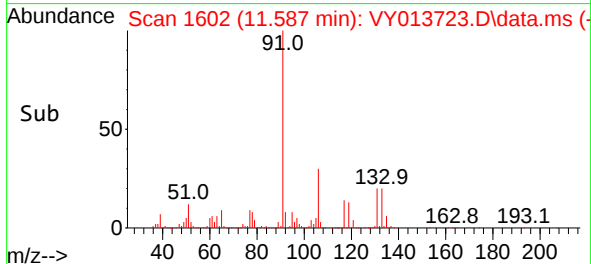
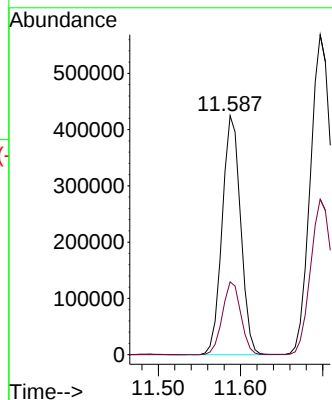
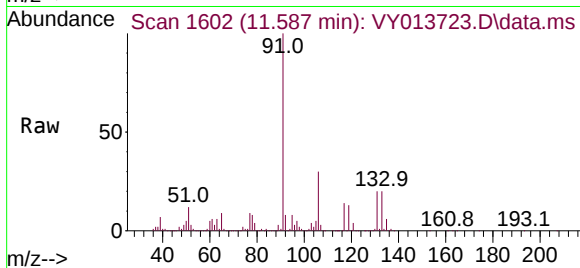
VSTDCCC050EC

Tgt Ion: 91 Resp: 663285

Ion Ratio Lower Upper

91 100

106 30.5 25.1 37.7



#68

m/p-Xylenes

Concen: 57.984 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013723.D

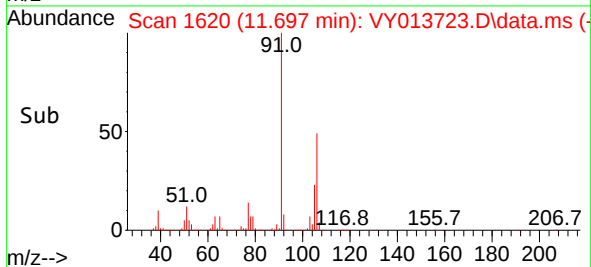
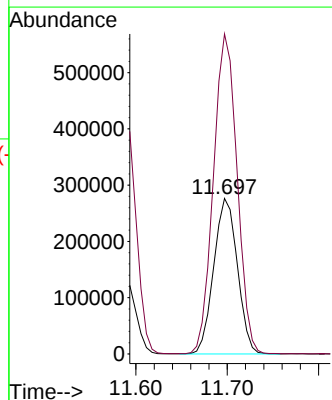
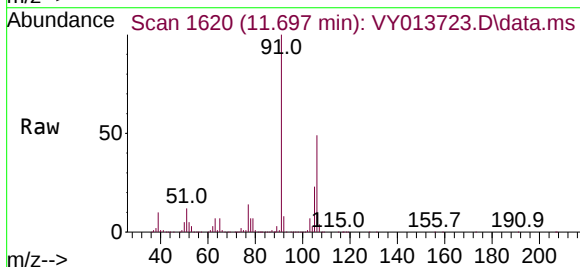
Acq: 11 May 2023 18:07

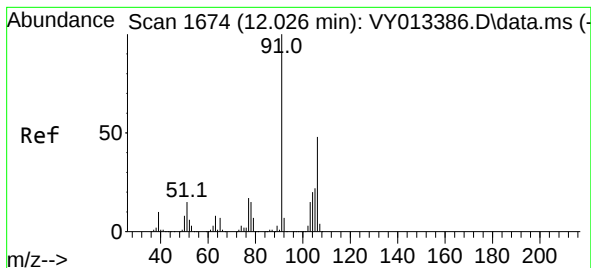
Tgt Ion:106 Resp: 496784

Ion Ratio Lower Upper

106 100

91 205.9 160.9 241.3

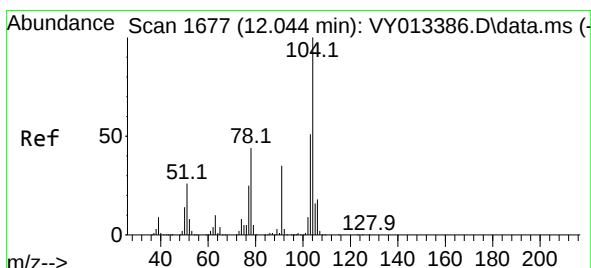
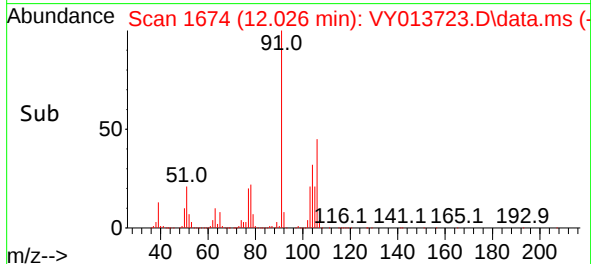
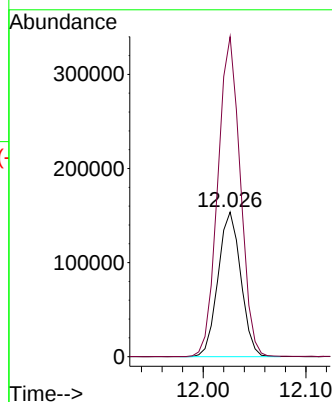
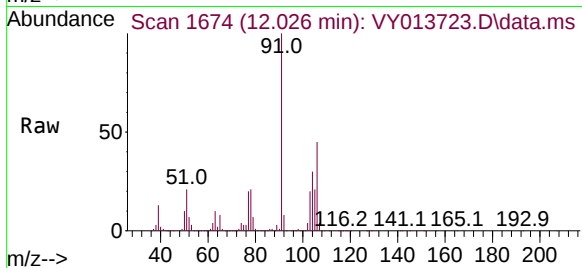




#69  
o-Xylene  
Concen: 29.114 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

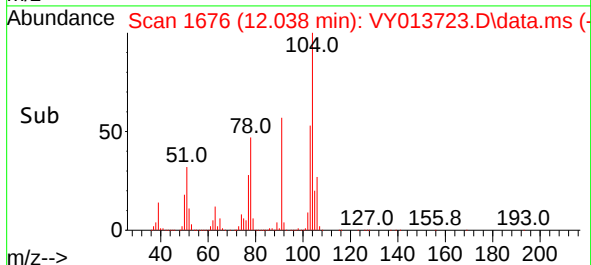
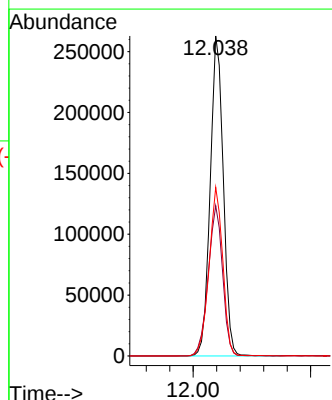
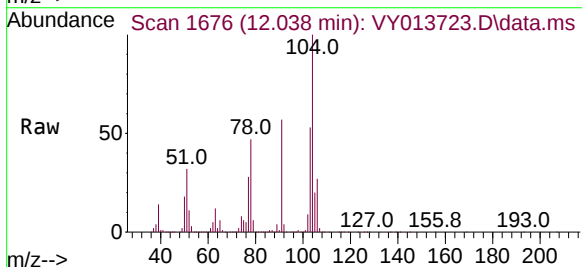
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

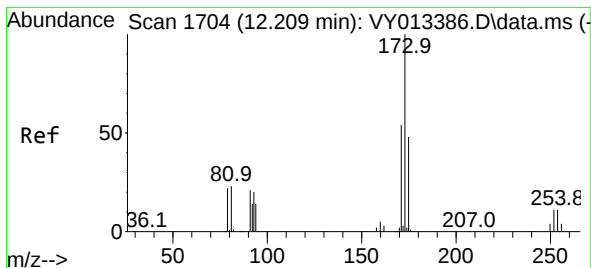
Tgt Ion:106 Resp: 235905  
Ion Ratio Lower Upper  
106 100  
91 219.1 105.5 316.4



#70  
Styrene  
Concen: 30.051 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion:104 Resp: 407140  
Ion Ratio Lower Upper  
104 100  
78 51.6 40.3 60.5  
103 55.4 45.0 67.4





#71

Bromoform

Concen: 29.082 ug/l

RT: 12.203 min Scan# 1703

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

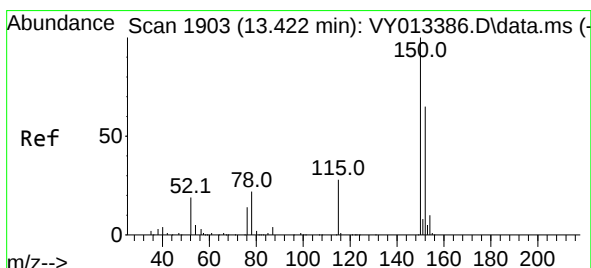
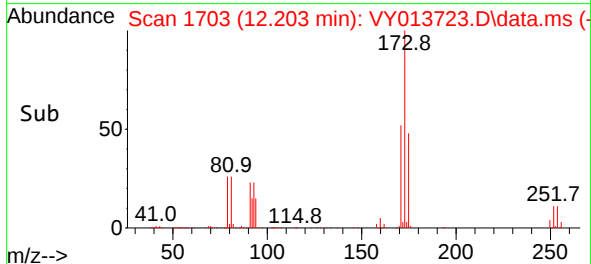
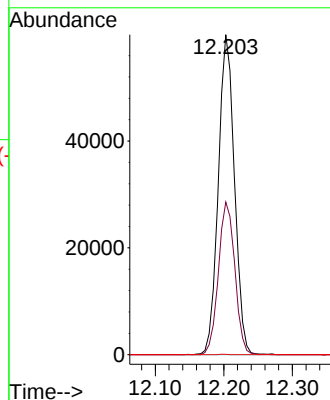
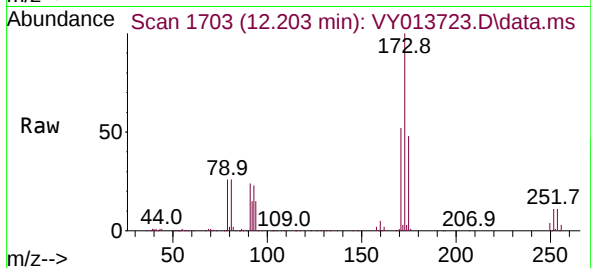
Tgt Ion:173 Resp: 97779

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

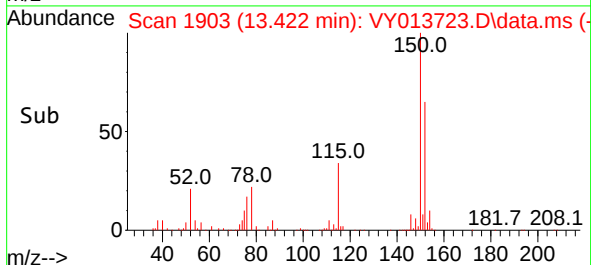
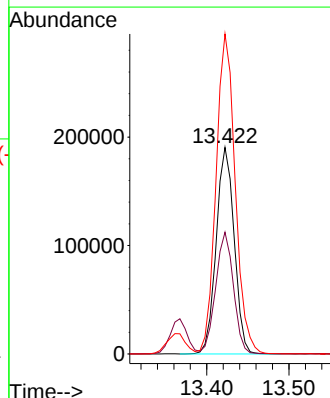
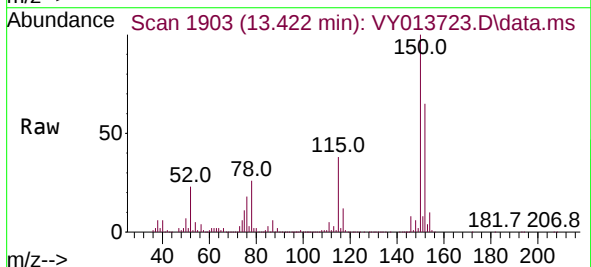
Tgt Ion:152 Resp: 289017

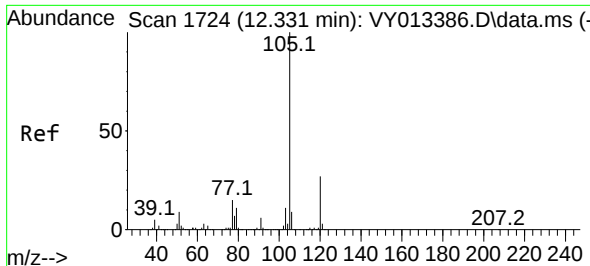
Ion Ratio Lower Upper

152 100

115 58.1 28.1 84.2

150 165.7 0.0 352.0

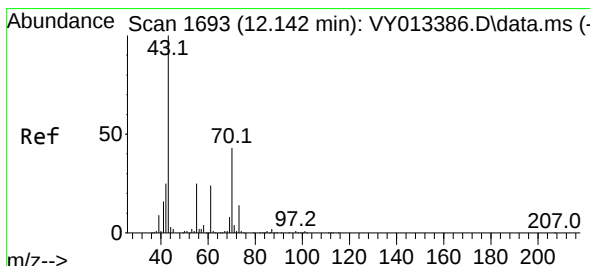
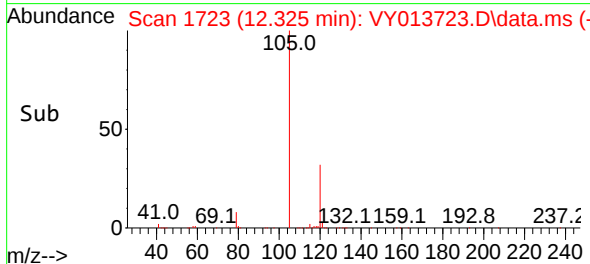
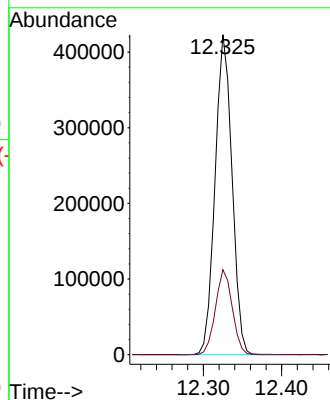
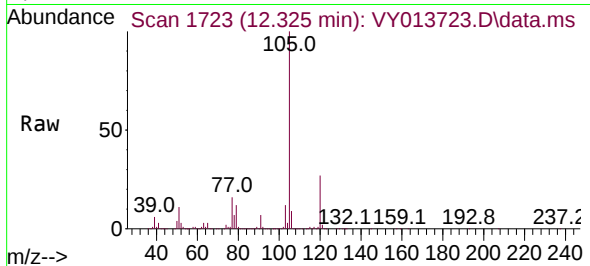




#73  
Isopropylbenzene  
Concen: 29.069 ug/l  
RT: 12.325 min Scan# 1723  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

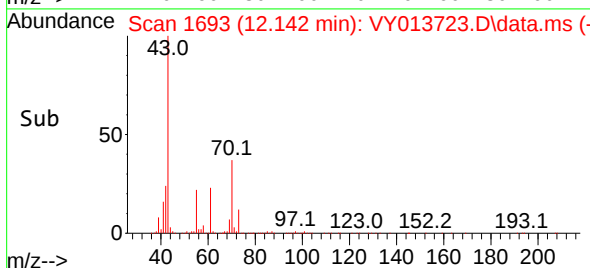
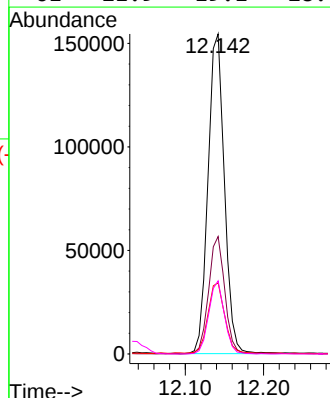
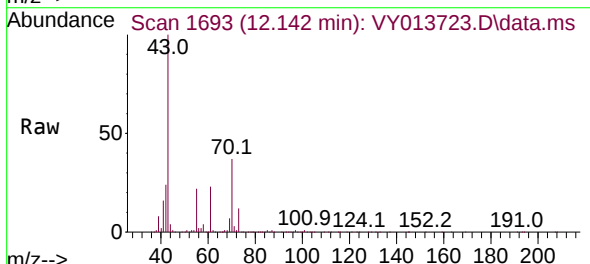
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

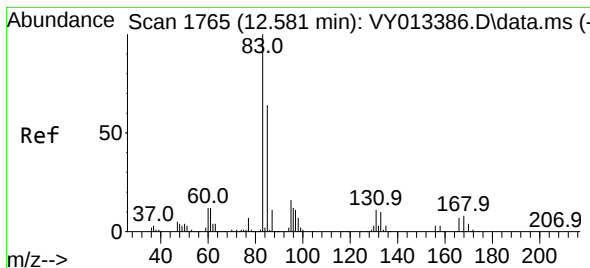
Tgt Ion:105 Resp: 635444  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.7 41.0



#74  
N-ethyl acetate  
Concen: 28.743 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 43 Resp: 223599  
Ion Ratio Lower Upper  
43 100  
70 36.8 33.0 49.4  
55 22.8 19.8 29.6  
61 21.9 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 27.891 ug/l

RT: 12.575 min Scan# 1764

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

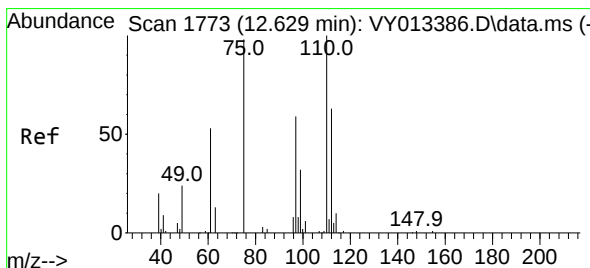
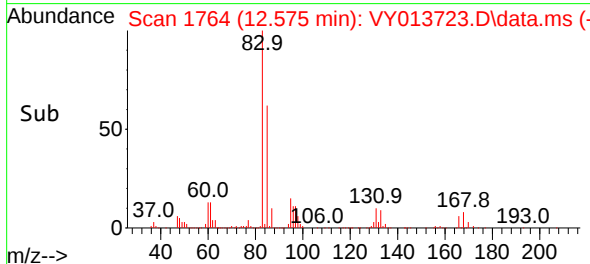
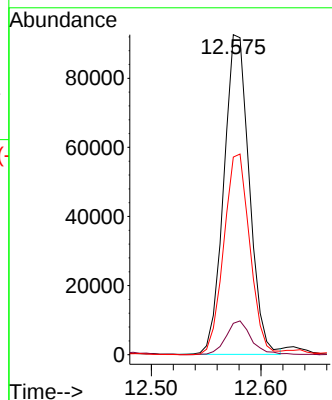
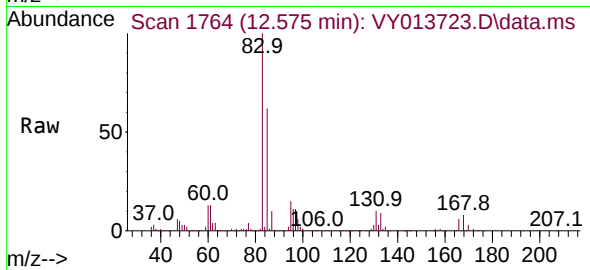
Tgt Ion: 83 Resp: 149030

Ion Ratio Lower Upper

83 100

131 10.6 5.7 17.0

85 64.4 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 48.805 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.001 min

Lab File: VY013723.D

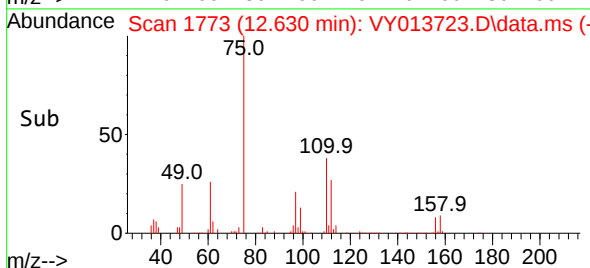
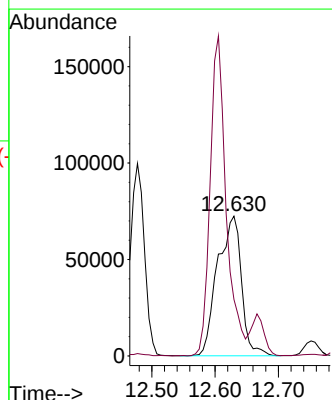
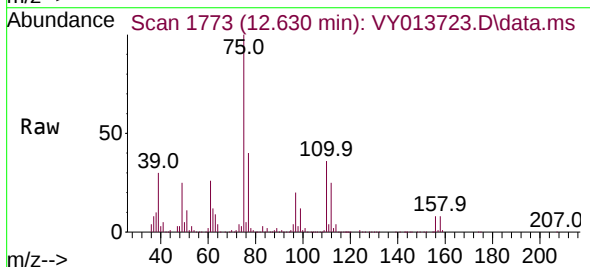
Acq: 11 May 2023 18:07

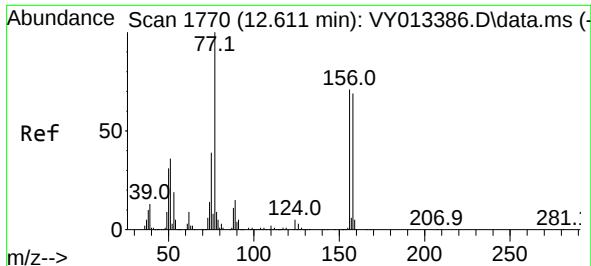
Tgt Ion: 75 Resp: 190229

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

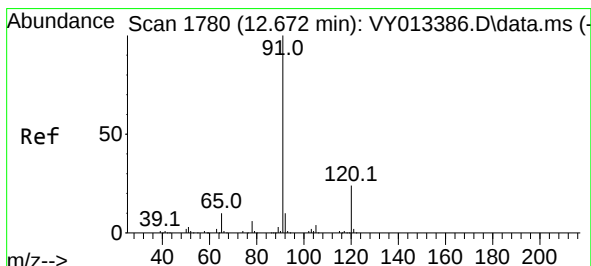
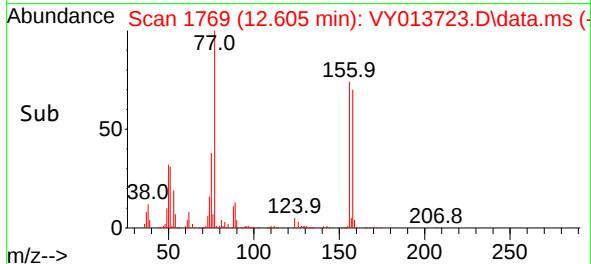
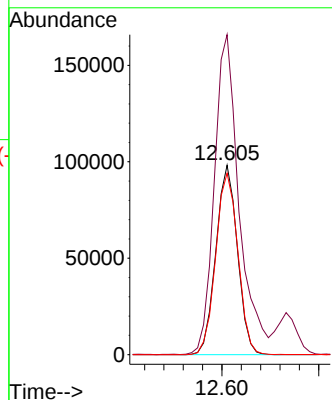
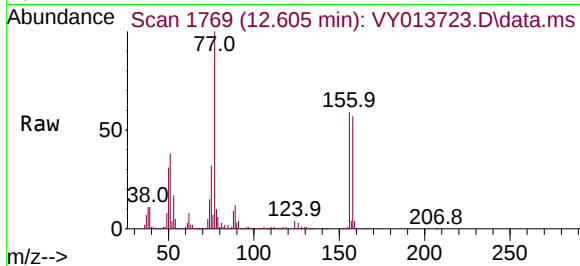




#77  
Bromobenzene  
Concen: 28.600 ug/l  
RT: 12.605 min Scan# 1770  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

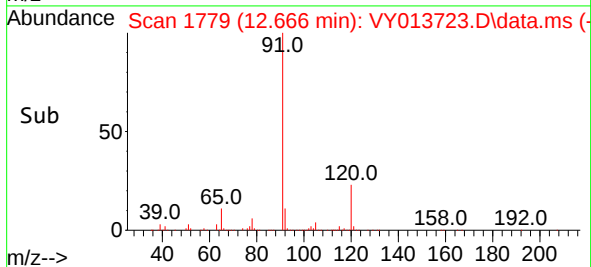
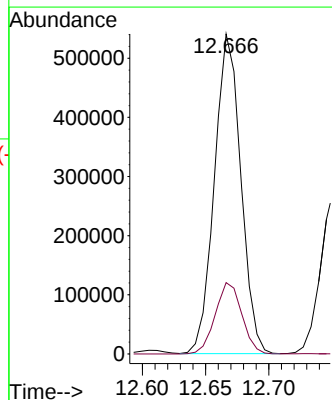
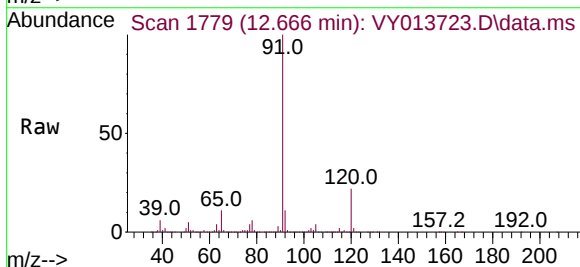
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

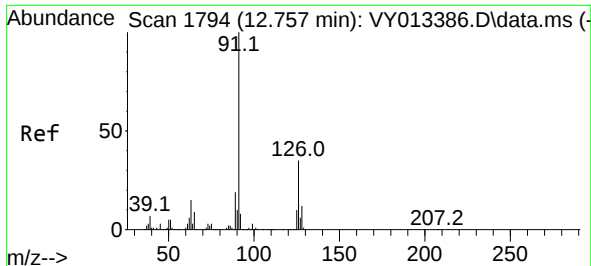
Tgt Ion:156 Resp: 151490  
Ion Ratio Lower Upper  
156 100  
77 194.1 87.6 262.9  
158 98.8 48.5 145.5



#78  
n-propylbenzene  
Concen: 29.136 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 91 Resp: 784510  
Ion Ratio Lower Upper  
91 100  
120 22.5 11.9 35.9

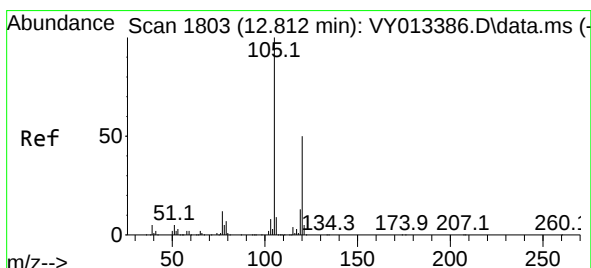
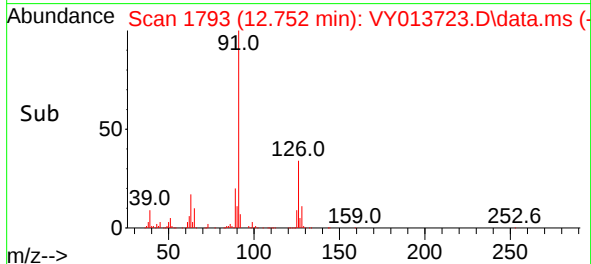
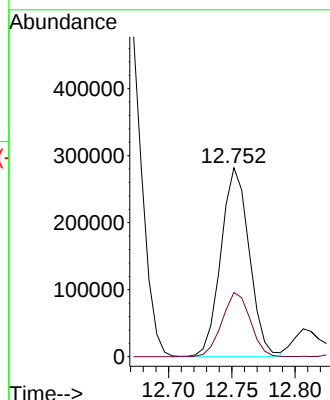
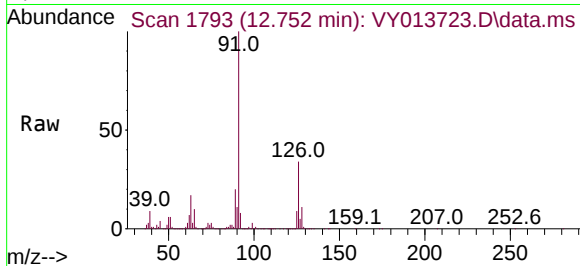




#79  
2-Chlorotoluene  
Concen: 29.103 ug/l  
RT: 12.752 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

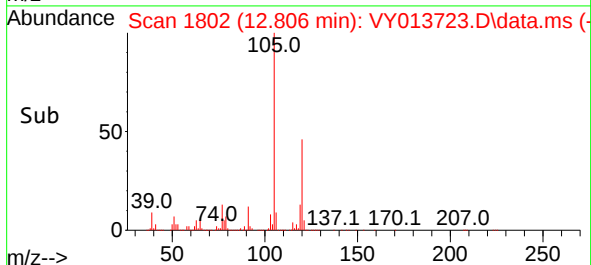
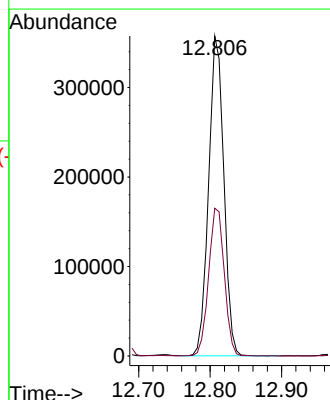
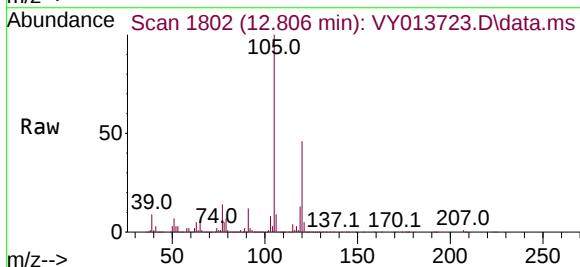
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

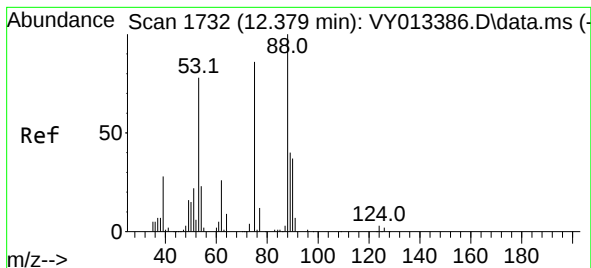
Tgt Ion: 91 Resp: 437600  
Ion Ratio Lower Upper  
91 100  
126 34.0 17.8 53.4



#80  
1,3,5-Trimethylbenzene  
Concen: 29.557 ug/l  
RT: 12.806 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 105 Resp: 527364  
Ion Ratio Lower Upper  
105 100  
120 47.7 24.7 74.1

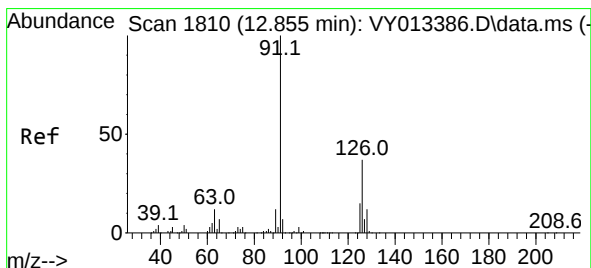
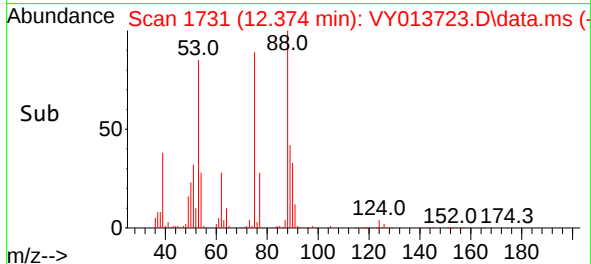
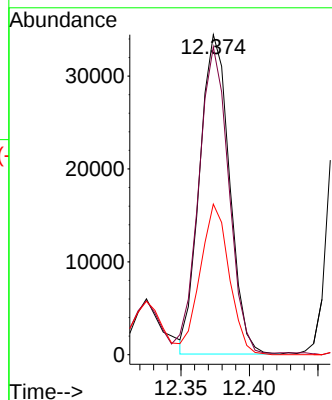
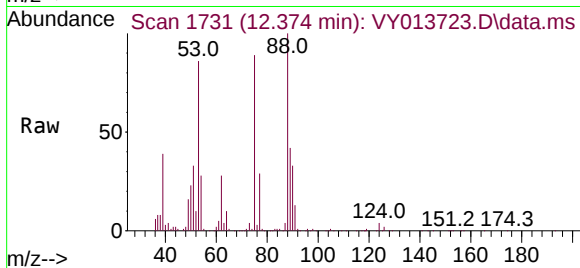




#81  
trans-1,4-Dichloro-2-butene  
Concen: 27.268 ug/l  
RT: 12.374 min Scan# 1731  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

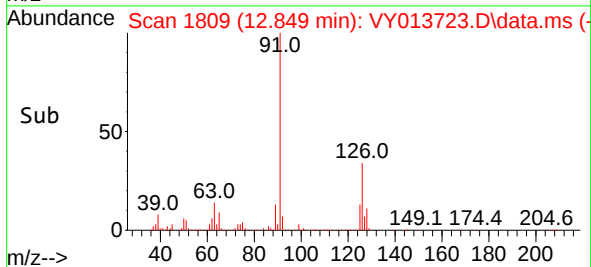
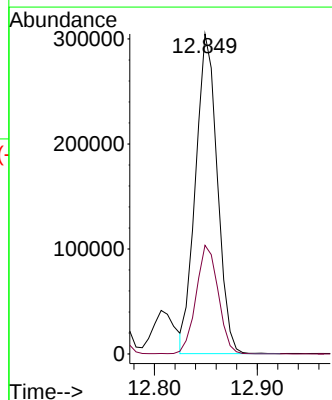
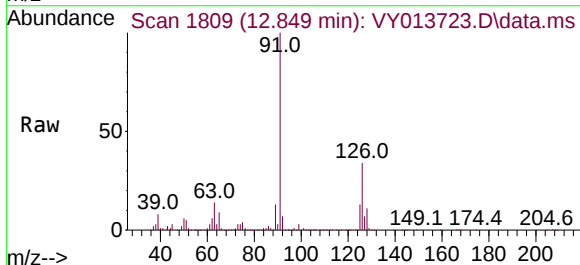
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

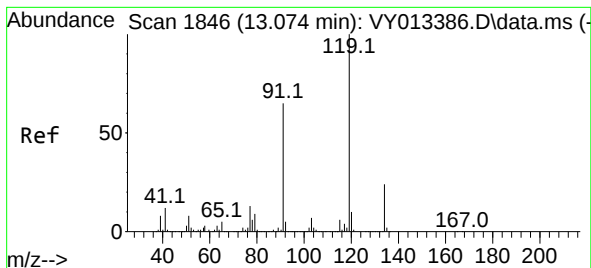
Tgt Ion: 75 Resp: 51958  
Ion Ratio Lower Upper  
75 100  
53 97.0 73.2 109.8  
89 45.8 38.0 57.0



#82  
4-Chlorotoluene  
Concen: 28.538 ug/l  
RT: 12.849 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion: 91 Resp: 447246  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.9 53.8





#83

tert-Butylbenzene

Concen: 30.222 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

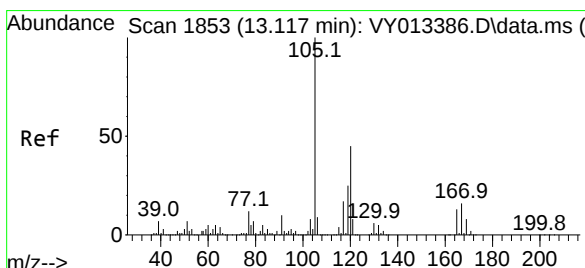
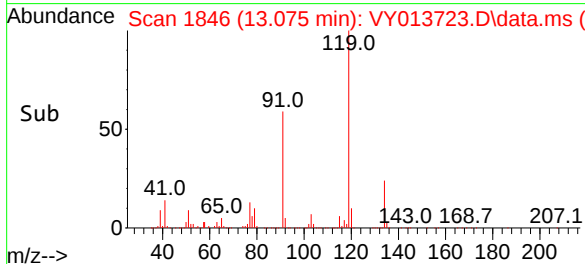
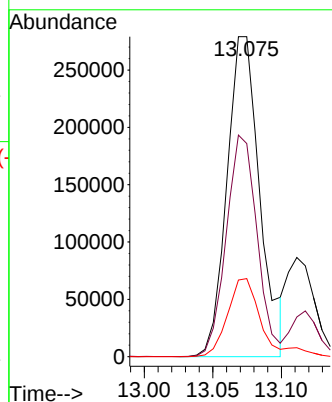
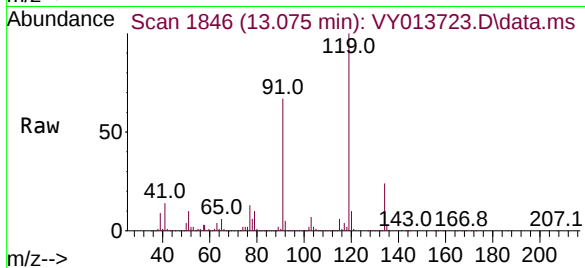
Tgt Ion:119 Resp: 467164

Ion Ratio Lower Upper

119 100

91 64.9 32.2 96.6

134 25.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 29.924 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013723.D

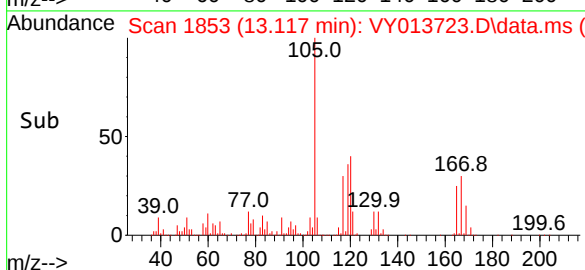
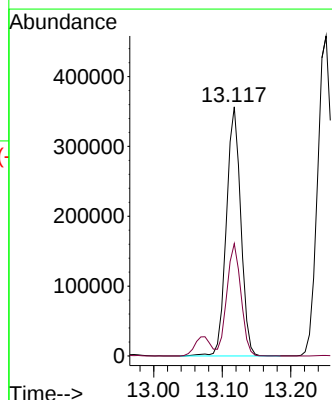
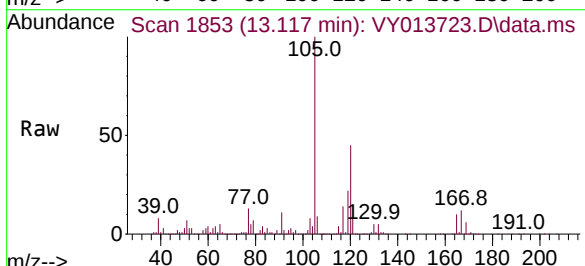
Acq: 11 May 2023 18:07

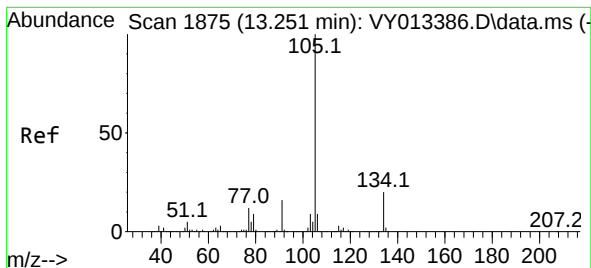
Tgt Ion:105 Resp: 519095

Ion Ratio Lower Upper

105 100

120 43.8 22.3 66.9





#85

sec-Butylbenzene

Concen: 29.518 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.001 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

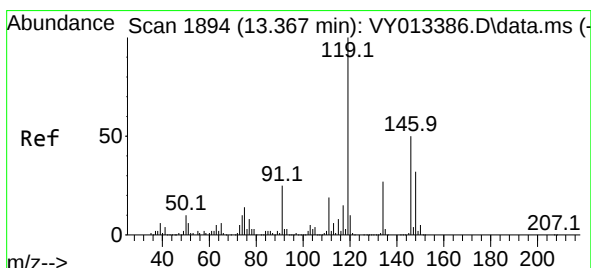
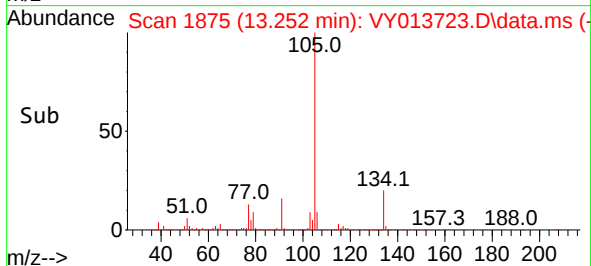
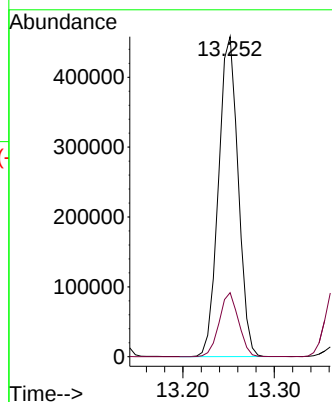
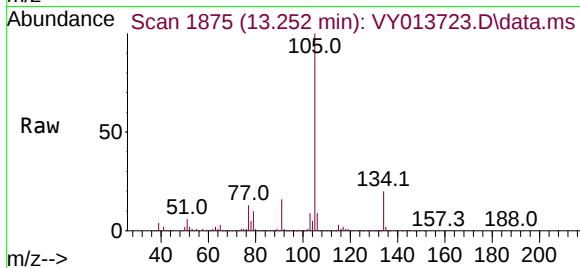
VSTDCCC050EC

Tgt Ion:105 Resp: 684812

Ion Ratio Lower Upper

105 100

134 19.7 10.3 30.9



#86

p-Isopropyltoluene

Concen: 30.138 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

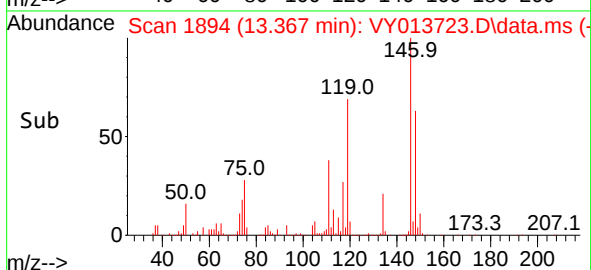
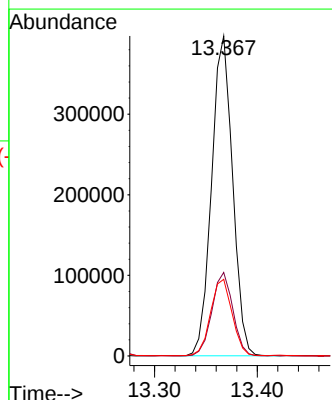
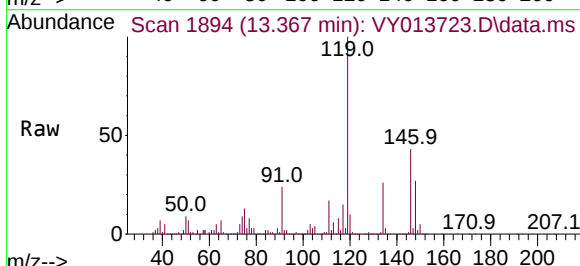
Tgt Ion:119 Resp: 562258

Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

91 24.5 12.1 36.3

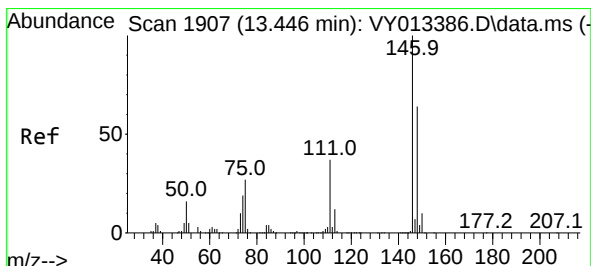
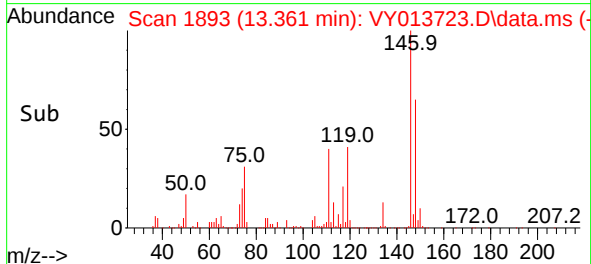
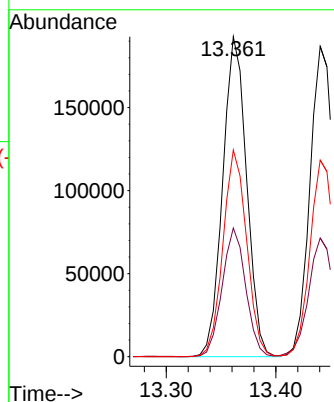
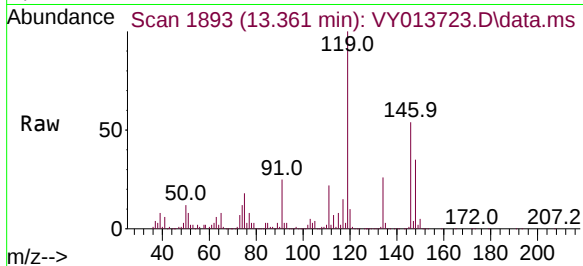




#87  
1,3-Dichlorobenzene  
Concen: 28.992 ug/l  
RT: 13.361 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

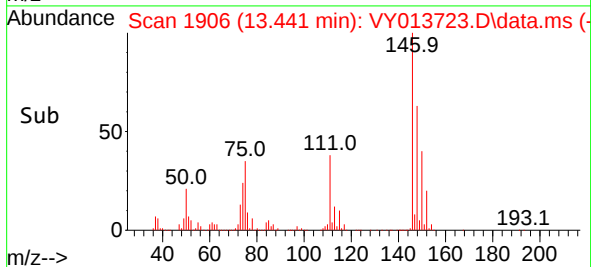
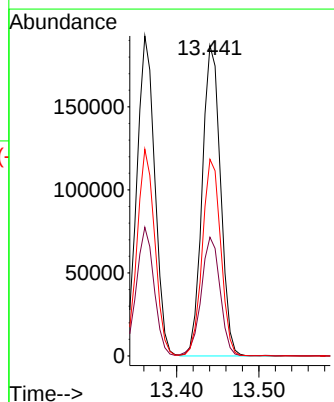
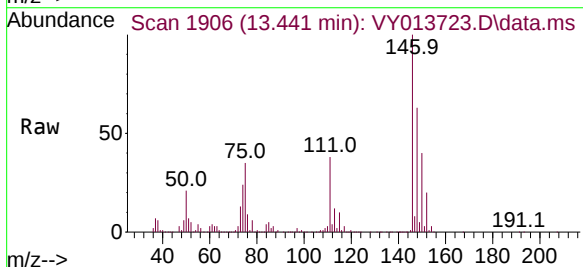
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

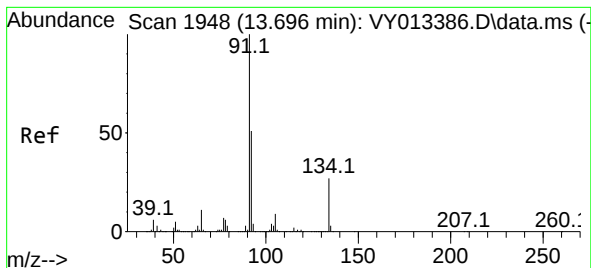
Tgt Ion:146 Resp: 292568  
Ion Ratio Lower Upper  
146 100  
111 39.5 19.3 57.9  
148 63.9 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 28.387 ug/l  
RT: 13.441 min Scan# 1906  
Delta R.T. -0.005 min  
Lab File: VY013723.D  
Acq: 11 May 2023 18:07

Tgt Ion:146 Resp: 289372  
Ion Ratio Lower Upper  
146 100  
111 39.1 18.9 56.5  
148 63.7 31.9 95.5





#89

n-Butylbenzene

Concen: 29.832 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

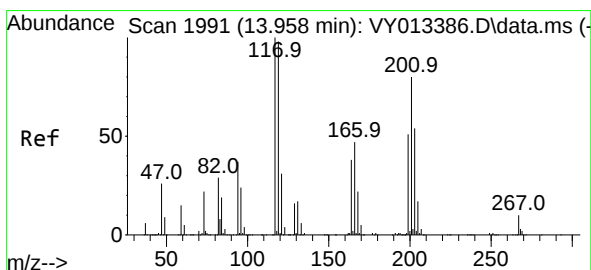
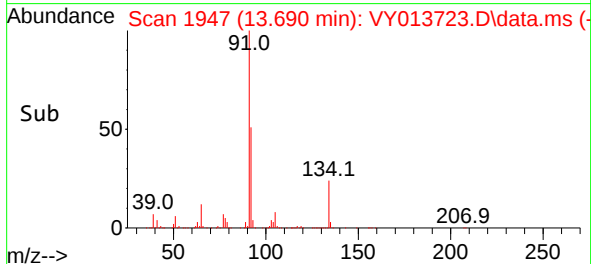
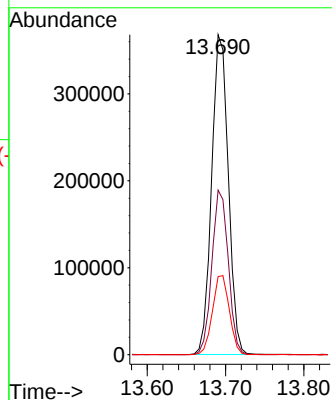
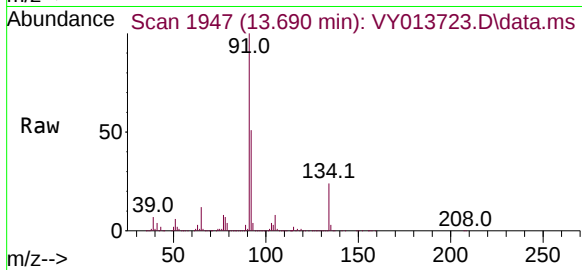
Tgt Ion: 91 Resp: 543215

Ion Ratio Lower Upper

91 100

92 50.8 25.8 77.3

134 25.1 13.5 40.4



#90

Hexachloroethane

Concen: 29.074 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.001 min

Lab File: VY013723.D

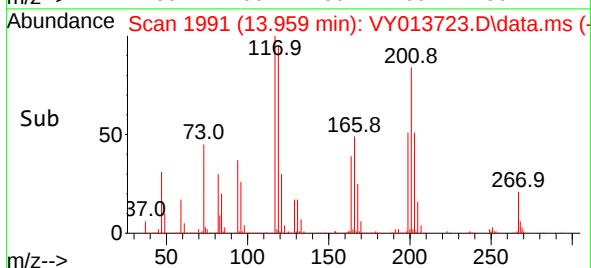
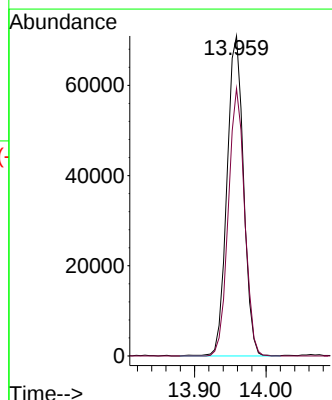
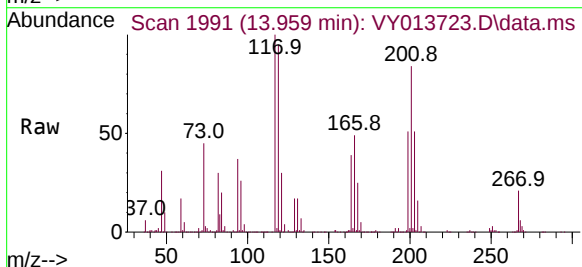
Acq: 11 May 2023 18:07

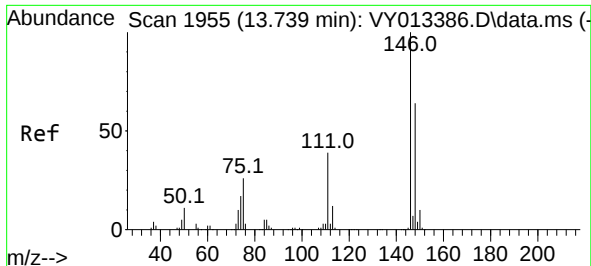
Tgt Ion: 117 Resp: 114158

Ion Ratio Lower Upper

117 100

201 82.0 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 29.020 ug/l

RT: 13.733 min Scan# 1955

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

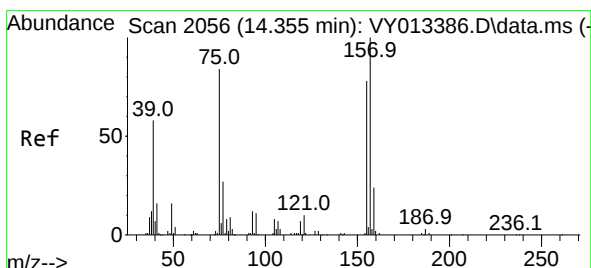
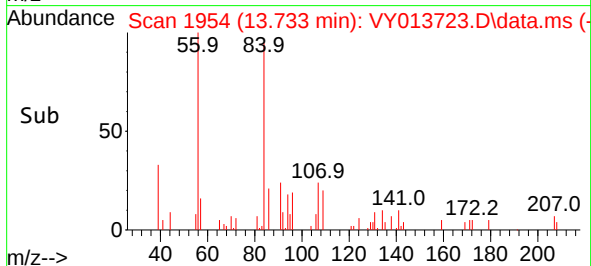
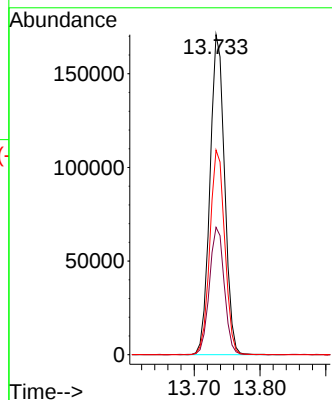
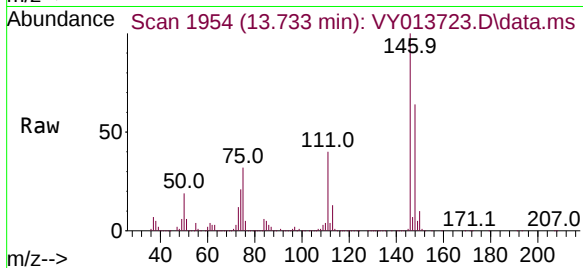
Tgt Ion:146 Resp: 264450

Ion Ratio Lower Upper

146 100

111 40.4 19.8 59.4

148 65.0 31.8 95.4



#92

1,2-Dibromo-3-Chloropropane

Concen: 27.094 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

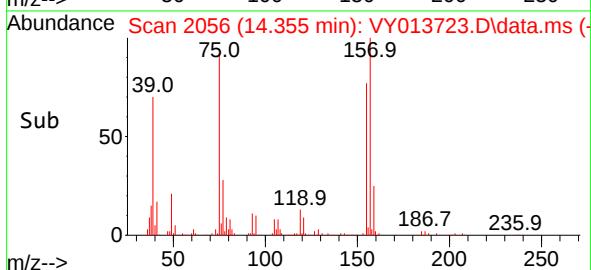
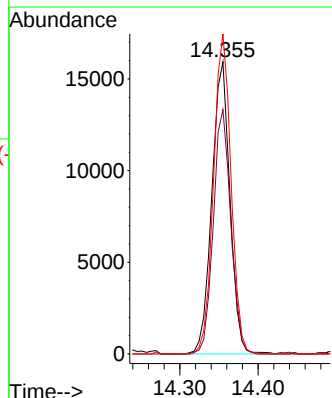
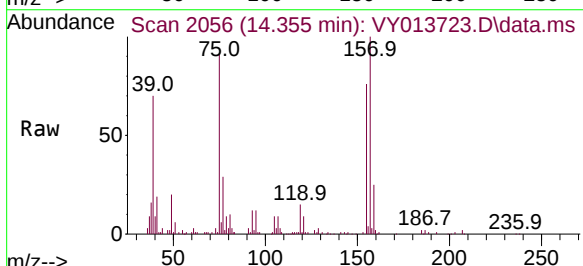
Tgt Ion: 75 Resp: 25568

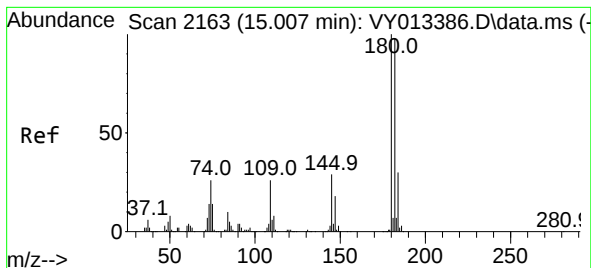
Ion Ratio Lower Upper

75 100

155 80.7 44.6 134.0

157 106.0 57.6 172.7





#93

1,2,4-Trichlorobenzene

Concen: 30.073 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

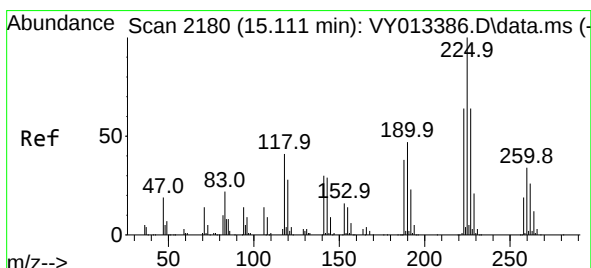
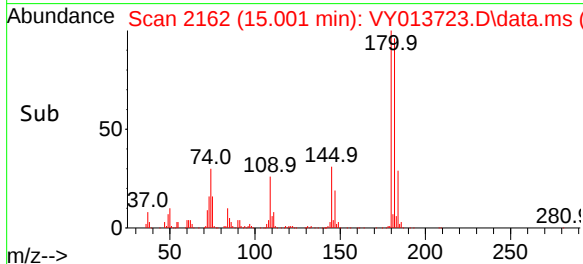
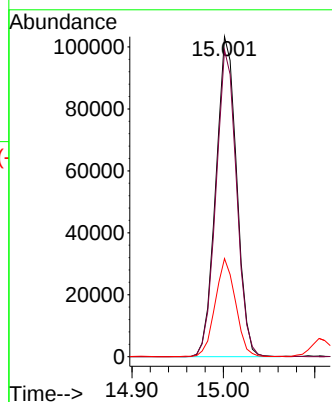
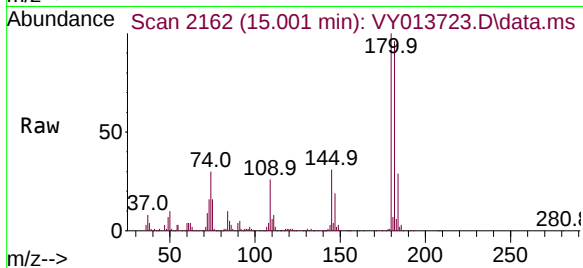
Tgt Ion:180 Resp: 163387

Ion Ratio Lower Upper

180 100

182 94.9 48.5 145.5

145 30.0 15.0 45.0



#94

Hexachlorobutadiene

Concen: 31.291 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

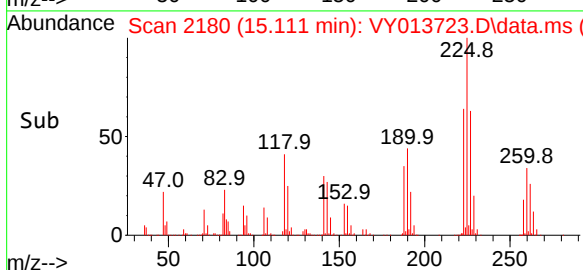
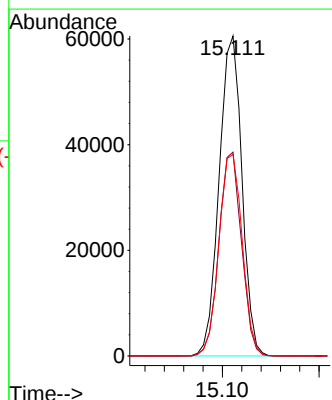
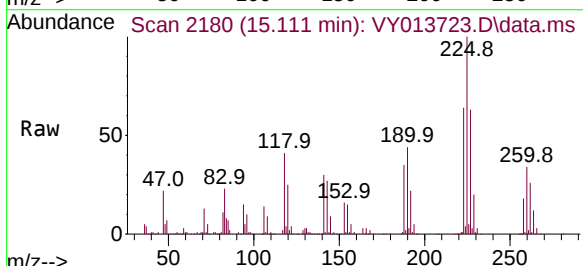
Tgt Ion:225 Resp: 98940

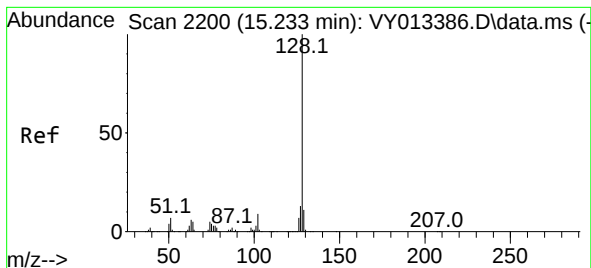
Ion Ratio Lower Upper

225 100

223 63.0 31.4 94.2

227 64.5 32.0 96.0





#95

Naphthalene

Concen: 29.706 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

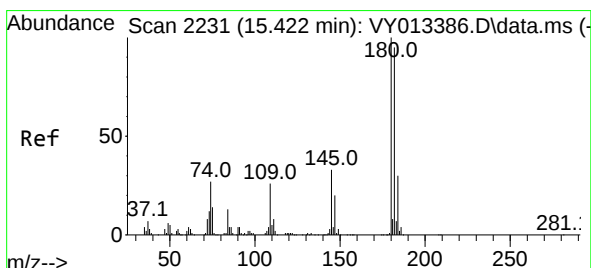
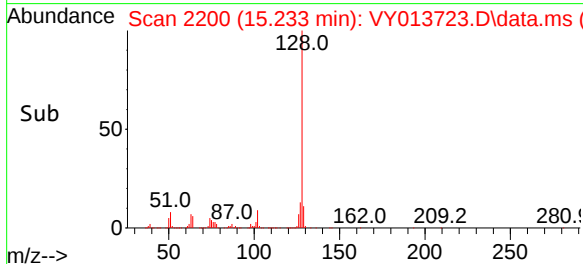
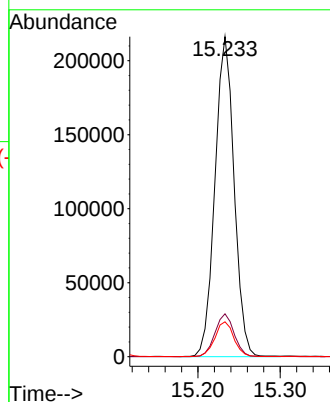
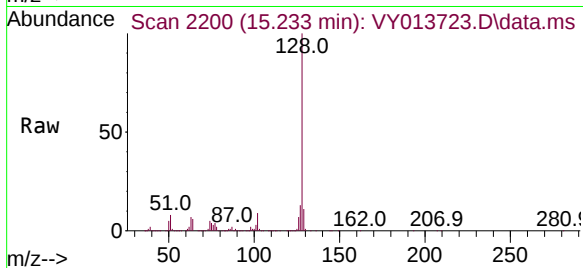
Tgt Ion:128 Resp: 350187

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 11.0 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 30.394 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY013723.D

Acq: 11 May 2023 18:07

Tgt Ion:180 Resp: 147184

Ion Ratio Lower Upper

180 100

182 94.5 47.1 141.3

145 31.3 15.9 47.7

