

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032023\  
 Data File : VY013005.D  
 Acq On : 20 Mar 2023 13:27  
 Operator : KP/MD  
 Sample : VY0320SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

Quant Time: Mar 21 01:12:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 107742   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 163859   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 148873   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 78062    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136  | 65    | 48142    | 45.004   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 90.000%  |
| 35) Dibromofluoromethane     | 7.716  | 113   | 48228    | 48.770   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 97.540%  |
| 50) Toluene-d8               | 10.179 | 98    | 155327   | 42.965   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 85.940%  |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 59041    | 48.386   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 96.780%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 20763    | 19.552   | ug/l   | 96       |
| 3) Chloromethane             | 2.113  | 50    | 20798    | 16.382   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.253  | 62    | 19813    | 17.019   | ug/l   | 92       |
| 5) Bromomethane              | 2.637  | 94    | 14234    | 20.122   | ug/l   | 94       |
| 6) Chloroethane              | 2.790  | 64    | 13557    | 19.444   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 30596    | 15.824   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.527  | 74    | 11981    | 17.682   | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 3.899  | 101   | 23920    | 20.562   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.088  | 142   | 28793    | 18.996   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 15002    | 110.715  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 22053    | 19.877   | ug/l   | 95       |
| 13) Acrolein                 | 3.728  | 56    | 14654    | 78.189   | ug/l   | 97       |
| 14) Allyl chloride           | 4.478  | 41    | 40418    | 19.721   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.155  | 53    | 38262    | 107.170  | ug/l   | 98       |
| 16) Acetone                  | 3.942  | 43    | 44844    | 106.802  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.192  | 76    | 67903    | 17.980   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.478  | 43    | 27622    | 22.091   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 60516    | 21.117   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.716  | 84    | 32335    | 22.255   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.216  | 96    | 23835    | 19.769   | ug/l   | 94       |
| 22) Diisopropyl ether        | 6.118  | 45    | 80904    | 21.734   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.057  | 43    | 247546   | 107.029  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 43926    | 20.709   | ug/l   | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 59230    | 113.891  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 38878    | 20.637   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 27258    | 21.087   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.338  | 49    | 16876    | 21.771   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.350  | 42    | 35331    | 112.642  | ug/l   | 99       |
| 30) Chloroform               | 7.502  | 83    | 44282    | 21.135   | ug/l   | 95       |
| 31) Cyclohexane              | 7.783  | 56    | 38950    | 19.012   | ug/l # | 91       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 39236    | 20.708   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 33082    | 19.963   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.069  | 43    | 23488    | 22.488   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.898  | 117   | 36028    | 21.053   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.185  | 83    | 37965    | 19.270   | ug/l   | 96       |
| 40) Benzene                  | 8.161  | 78    | 97584    | 20.817   | ug/l   | 100      |

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 Sample : VY0320SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

Quant Time: Mar 21 01:12:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 33087    | 58.797  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 30114    | 21.368  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 41148    | 22.081  | ug/l   | 99       |
| 44) Trichloroethene           | 8.941  | 130  | 26198    | 21.197  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.215  | 63   | 25456    | 21.487  | ug/l   | 98       |
| 46) Dibromomethane            | 9.301  | 93   | 14642    | 21.694  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 34701    | 21.818  | ug/l # | 95       |
| 48) Methyl methacrylate       | 9.288  | 41   | 18188    | 21.182  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 4420     | 506.588 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 117366   | 116.110 | ug/l   | 100      |
| 52) Toluene                   | 10.246 | 92   | 60675    | 21.462  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 35584    | 21.330  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 39570    | 20.956  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 20605    | 21.922  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 27074    | 21.602  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 35707    | 22.304  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 74101    | 112.628 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.831 | 43   | 86773    | 118.115 | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.983 | 129  | 25188    | 22.015  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 19583    | 21.628  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.715 | 164  | 22427    | 20.691  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.514 | 112  | 64797    | 20.738  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 24818    | 21.466  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.593 | 91   | 113500   | 20.661  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 88258    | 41.764  | ug/l   | 100      |
| 69) o-Xylene                  | 12.032 | 106  | 40412    | 20.490  | ug/l   | 98       |
| 70) Styrene                   | 12.044 | 104  | 69388    | 21.082  | ug/l   | 98       |
| 71) Bromoform                 | 12.209 | 173  | 16536    | 21.936  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 109003   | 19.703  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 35957    | 20.657  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 26826    | 21.571  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 34227    | 36.717  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 27051    | 20.128  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.672 | 91   | 135456   | 19.859  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.757 | 91   | 76682    | 20.228  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 92823    | 20.331  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 9303     | 20.678  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 80378    | 20.483  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 78718    | 19.976  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 90392    | 20.247  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.251 | 105  | 120841   | 20.101  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 98587    | 20.065  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 53706    | 20.719  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 54027    | 20.422  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 93558    | 19.891  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.958 | 117  | 20756    | 20.283  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 48759    | 20.809  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 4452     | 22.151  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 28628    | 19.843  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 17796    | 20.224  | ug/l   | 99       |
| 95) Naphthalene               | 15.232 | 128  | 58289    | 20.162  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.421 | 180  | 26070    | 20.318  | ug/l   | 99       |

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Sample : VY0320SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBSD01

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

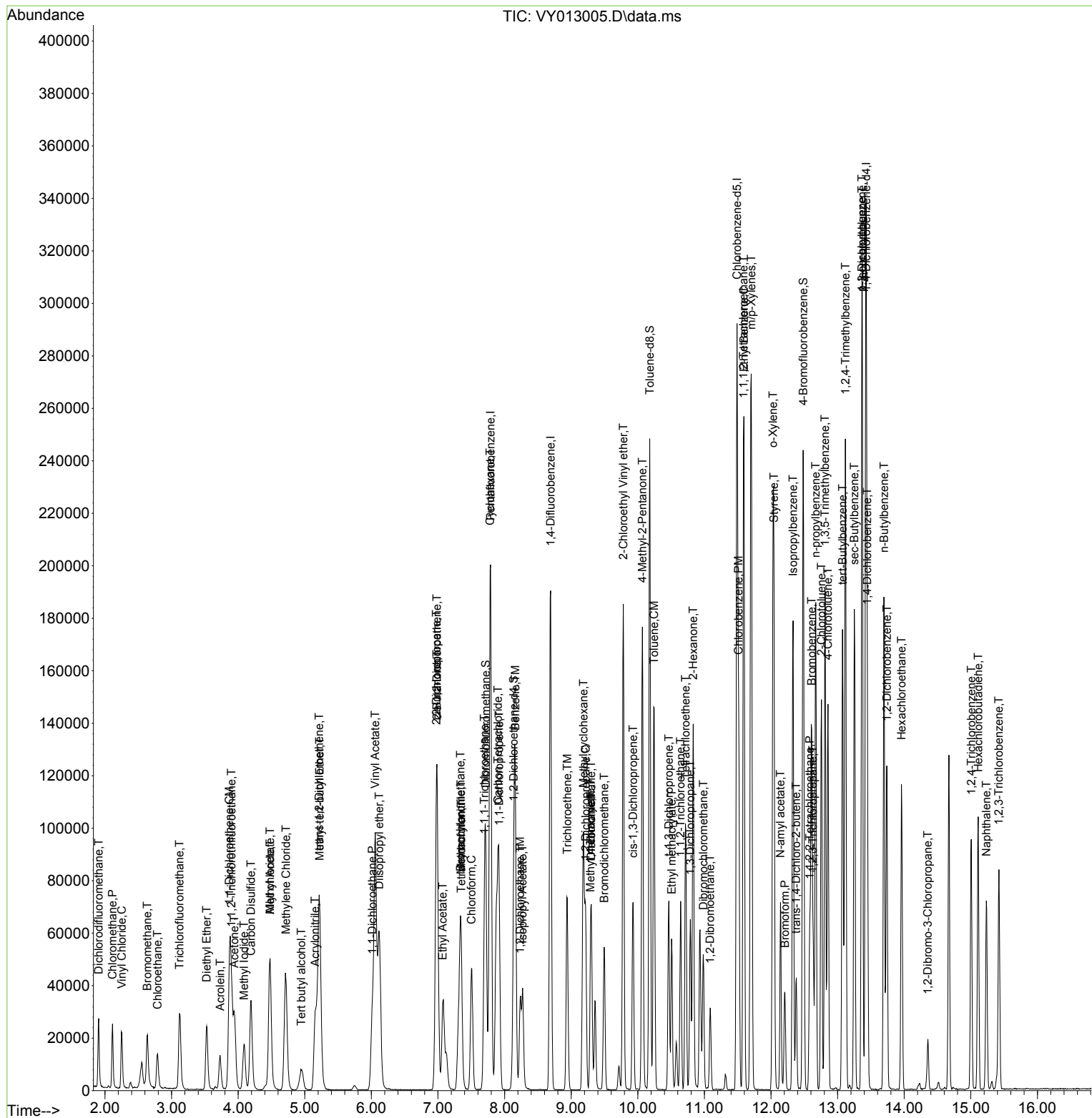
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

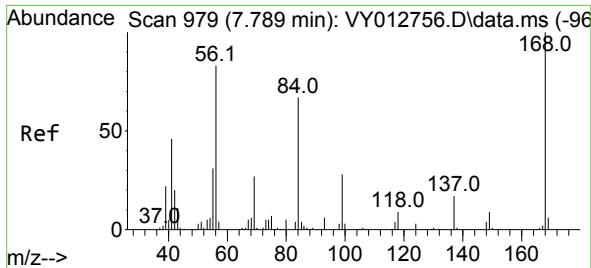
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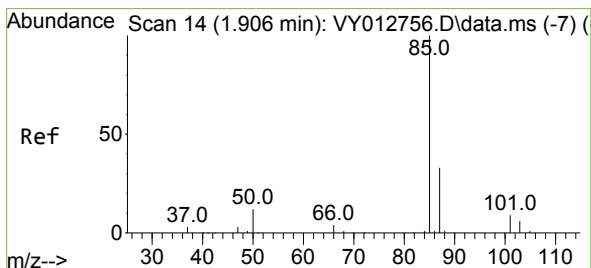
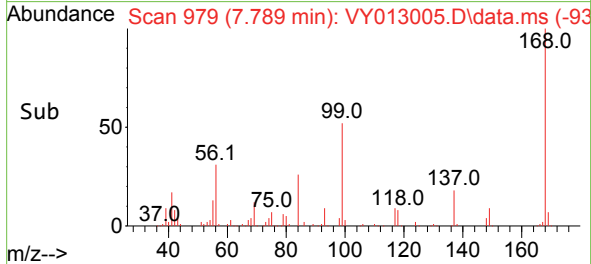
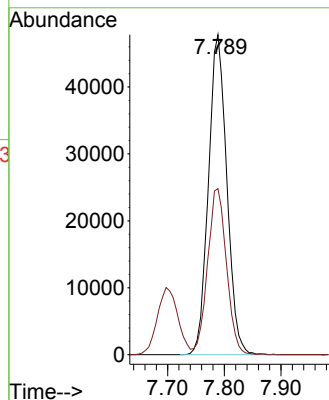
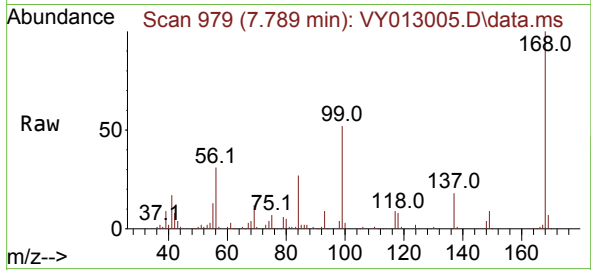




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

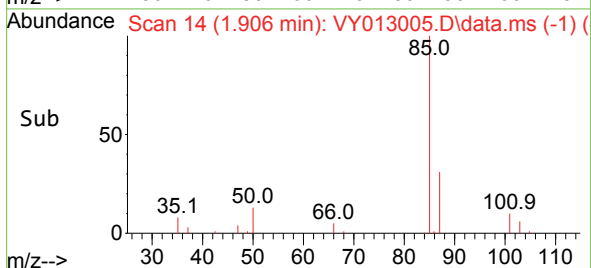
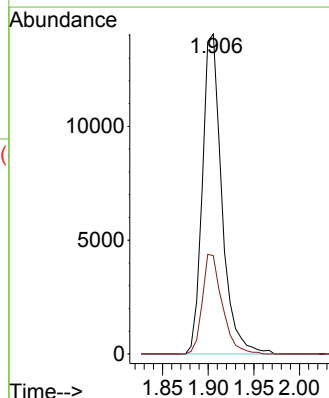
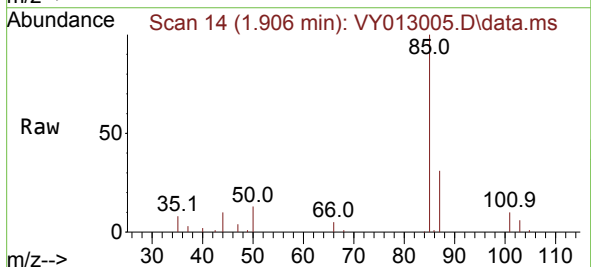
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

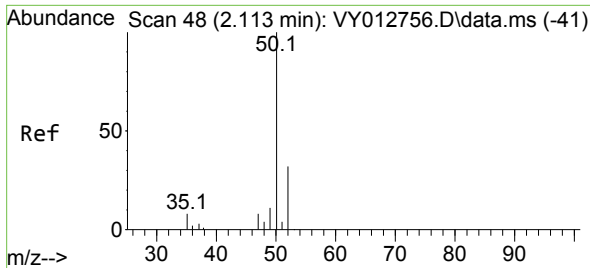
Tgt Ion:168 Resp: 107742  
Ion Ratio Lower Upper  
168 100  
99 51.9 41.7 62.5



#2  
Dichlorodifluoromethane  
Concen: 19.552 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 85 Resp: 20763  
Ion Ratio Lower Upper  
85 100  
87 30.8 16.7 50.0

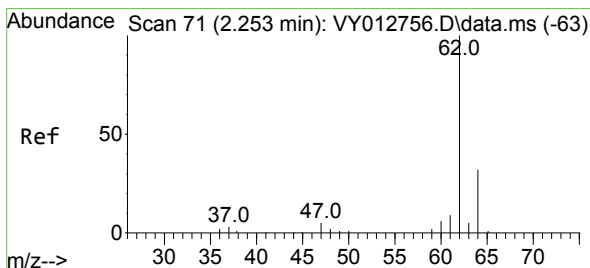
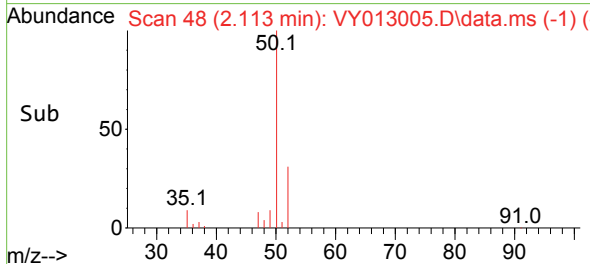
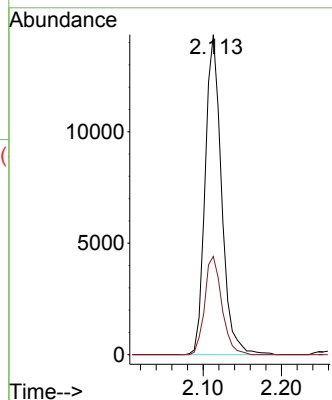
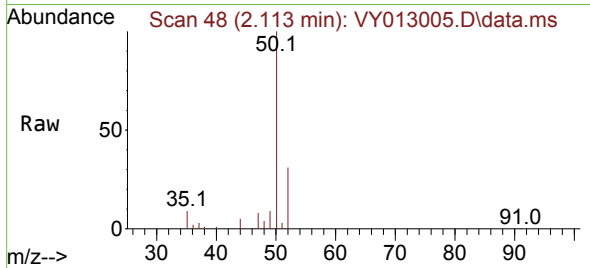




#3  
Chloromethane  
Concen: 16.382 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

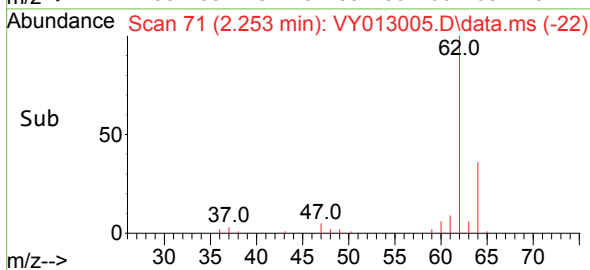
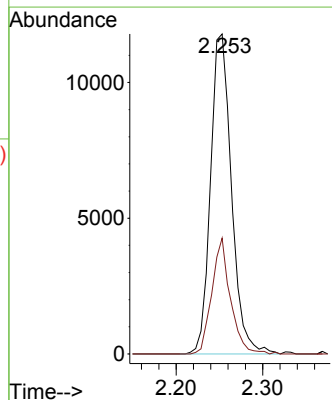
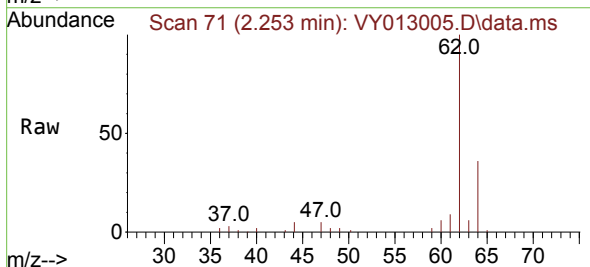
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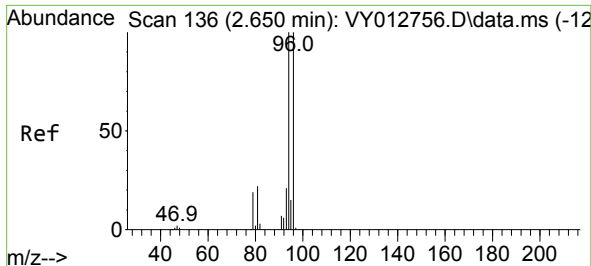
Tgt Ion: 50 Resp: 20798  
Ion Ratio Lower Upper  
50 100  
52 30.7 26.0 39.0



#4  
Vinyl Chloride  
Concen: 17.019 ug/l  
RT: 2.253 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 62 Resp: 19813  
Ion Ratio Lower Upper  
62 100  
64 36.2 25.6 38.4





#5

Bromomethane

Concen: 20.122 ug/l

RT: 2.637 min Scan# 11

Delta R.T. -0.013 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

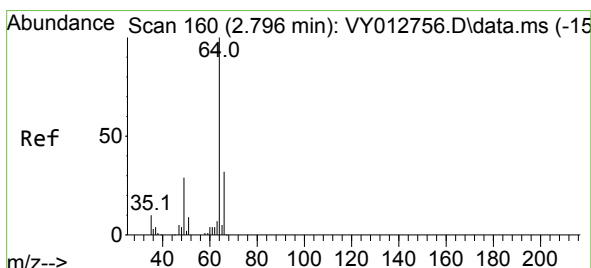
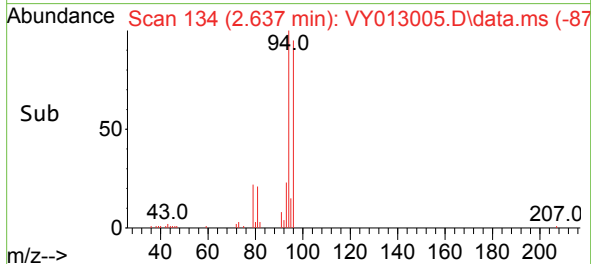
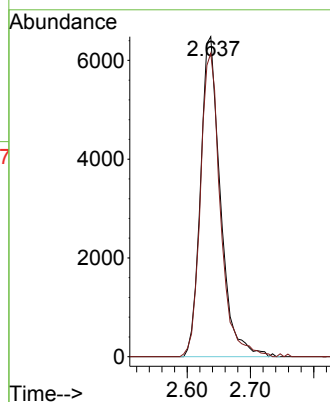
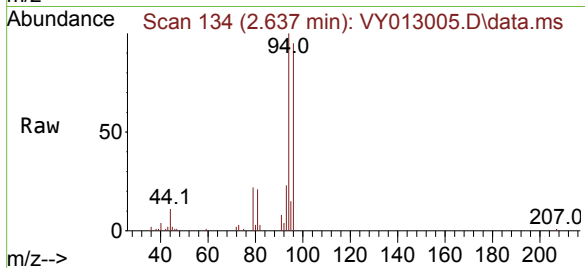
VY0320SBS01

Tgt Ion: 94 Resp: 14234

Ion Ratio Lower Upper

94 100

96 94.8 80.3 120.5



#6

Chloroethane

Concen: 19.444 ug/l

RT: 2.790 min Scan# 159

Delta R.T. -0.006 min

Lab File: VY013005.D

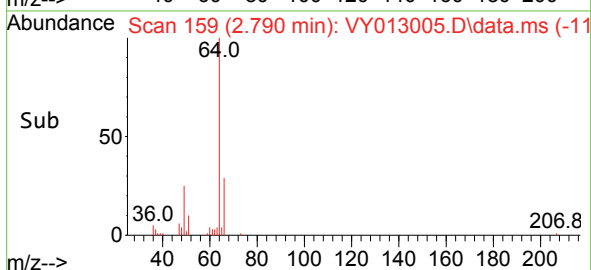
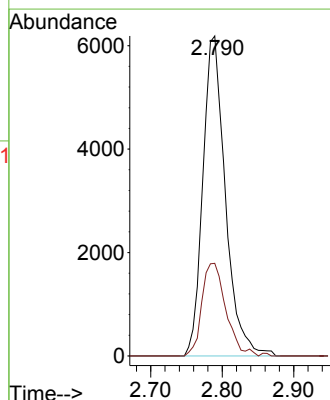
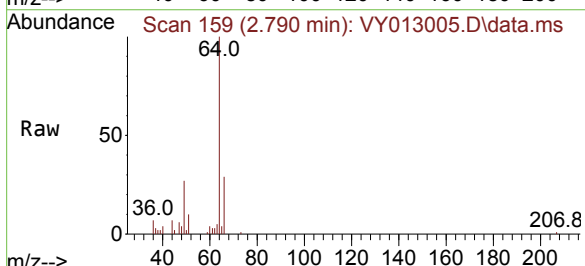
Acq: 20 Mar 2023 13:27

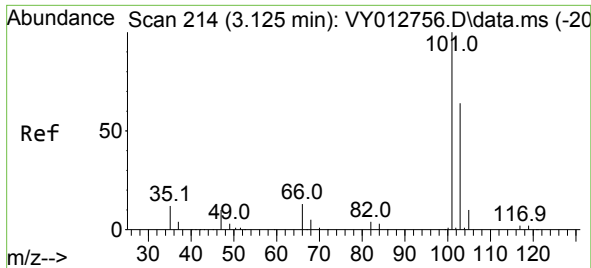
Tgt Ion: 64 Resp: 13557

Ion Ratio Lower Upper

64 100

66 28.9 25.7 38.5

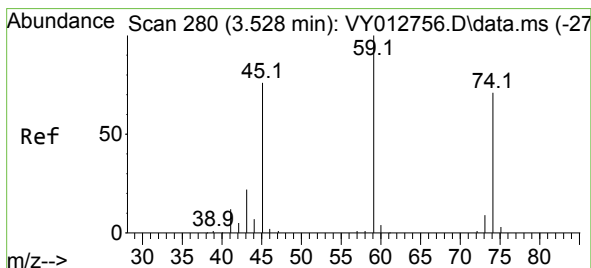
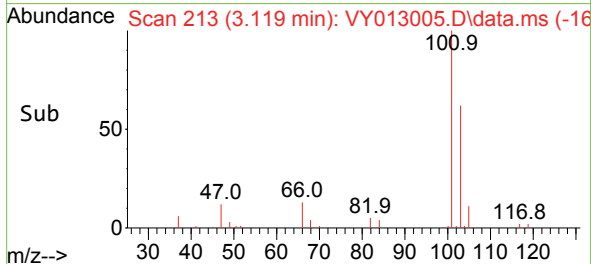
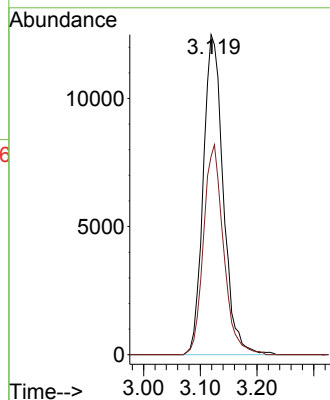
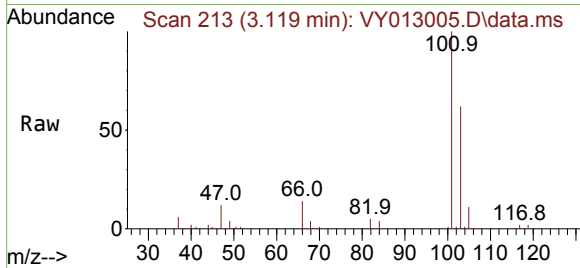




#7  
 Trichlorofluoromethane  
 Concen: 15.824 ug/l  
 RT: 3.119 min Scan# 214  
 Delta R.T. -0.006 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

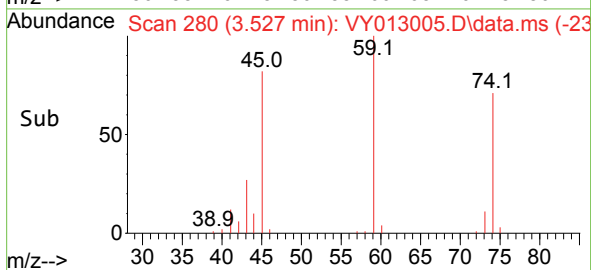
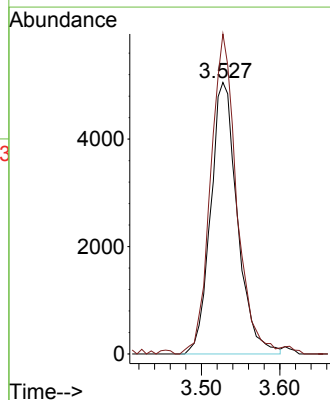
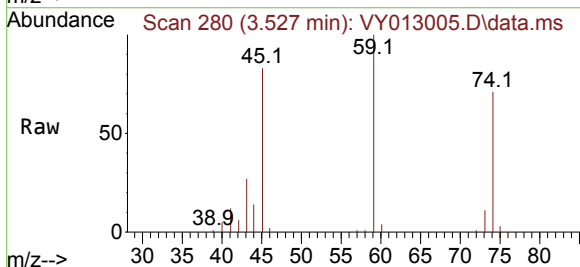
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

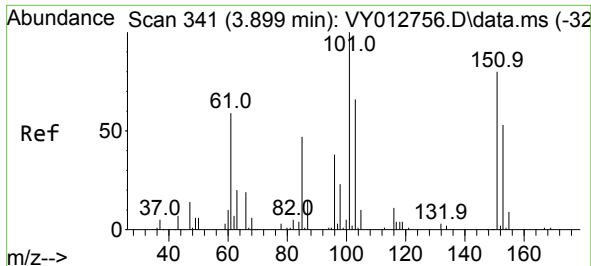
Tgt Ion:101 Resp: 30596  
 Ion Ratio Lower Upper  
 101 100  
 103 61.9 51.5 77.3



#8  
 Diethyl Ether  
 Concen: 17.682 ug/l  
 RT: 3.527 min Scan# 280  
 Delta R.T. -0.001 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

Tgt Ion: 74 Resp: 11981  
 Ion Ratio Lower Upper  
 74 100  
 45 114.8 52.1 156.4

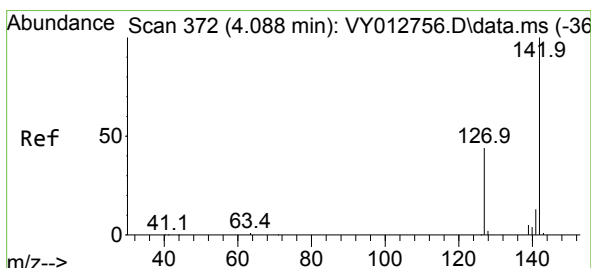
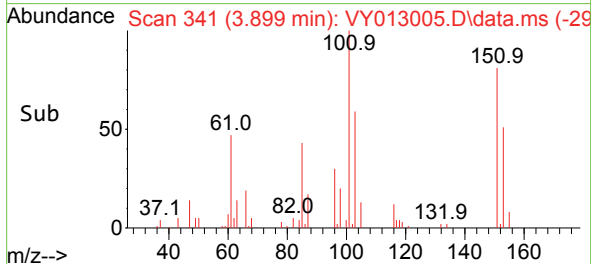
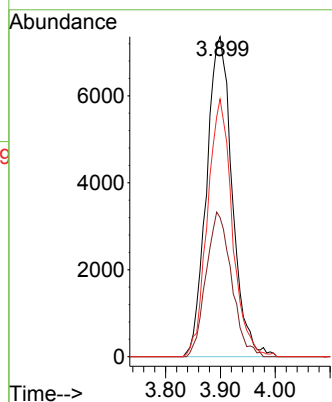
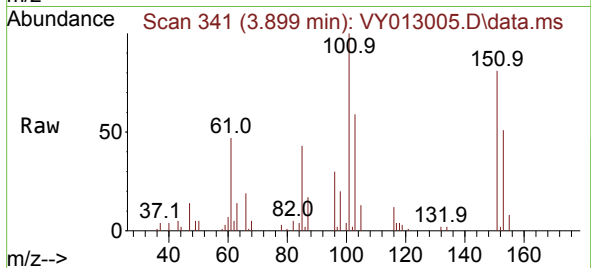




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.562 ug/l  
RT: 3.899 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

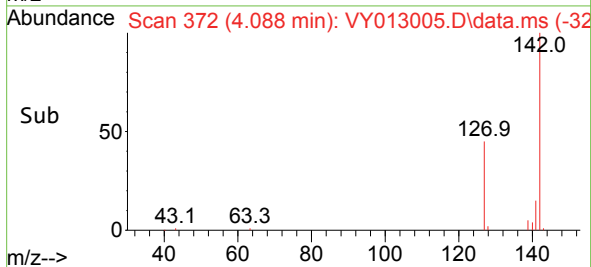
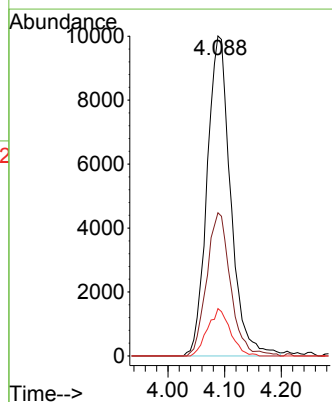
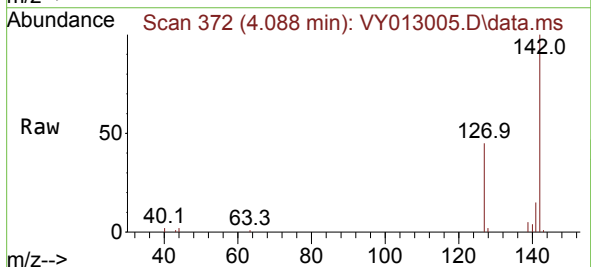
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

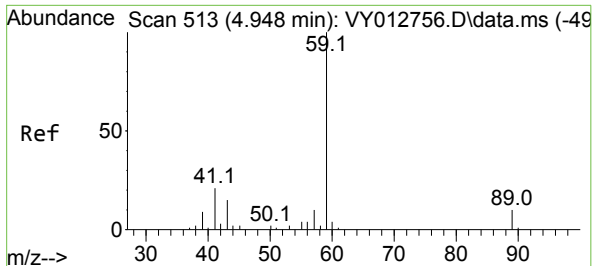
Tgt Ion:101 Resp: 23920  
Ion Ratio Lower Upper  
101 100  
85 44.8 35.3 52.9  
151 77.9 63.1 94.7



#10  
Methyl Iodide  
Concen: 18.996 ug/l  
RT: 4.088 min Scan# 372  
Delta R.T. 0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:142 Resp: 28793  
Ion Ratio Lower Upper  
142 100  
127 45.4 35.4 53.2  
141 14.3 11.3 16.9

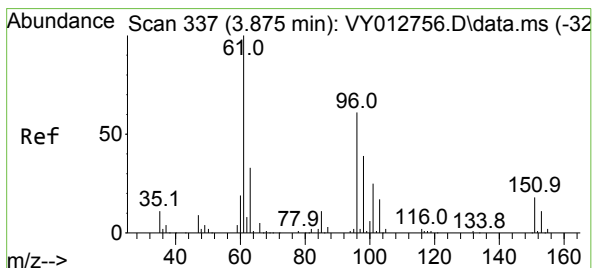
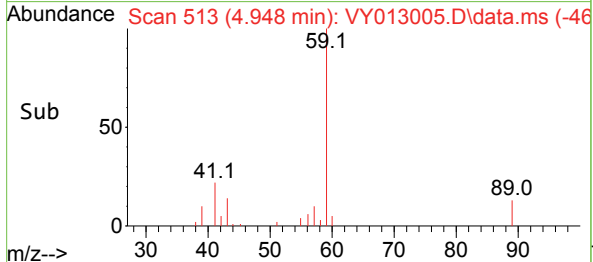
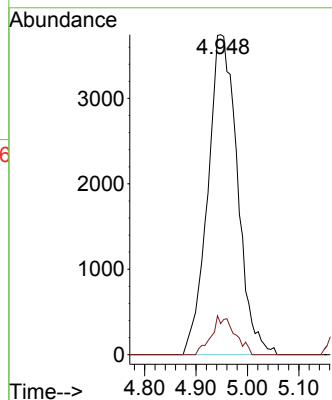
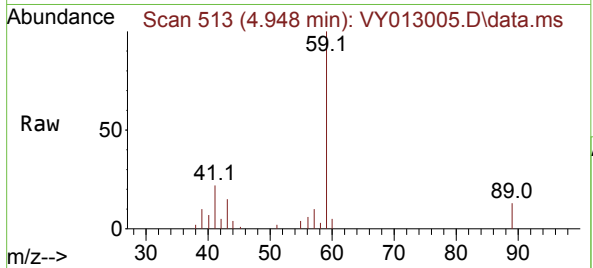




#11  
Tert butyl alcohol  
Concen: 110.715 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

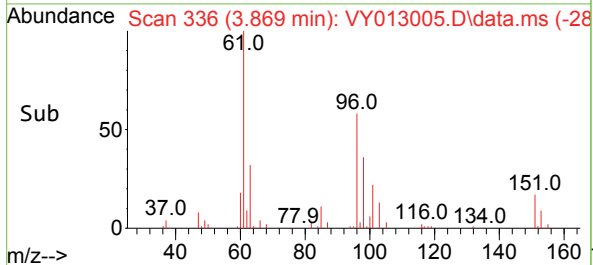
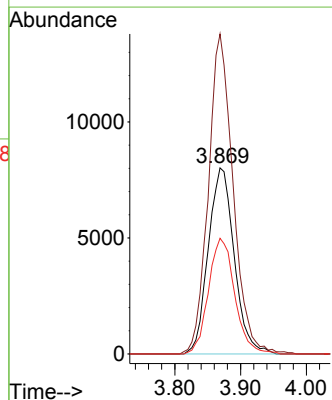
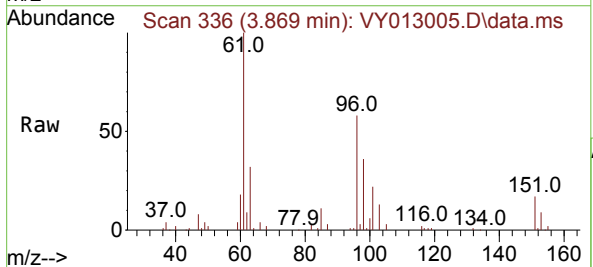
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

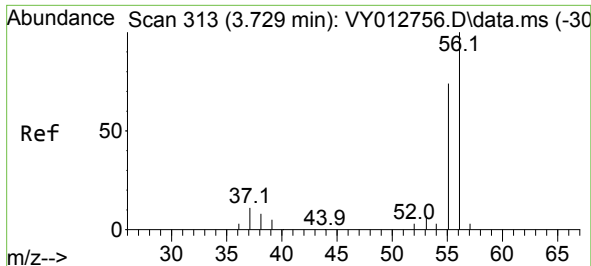
Tgt Ion: 59 Resp: 15002  
Ion Ratio Lower Upper  
59 100  
57 9.5 7.7 11.5



#12  
1,1-Dichloroethene  
Concen: 19.877 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 96 Resp: 22053  
Ion Ratio Lower Upper  
96 100  
61 172.0 131.7 197.5  
98 62.1 52.0 78.0





#13

Acrolein

Concen: 78.189 ug/l

RT: 3.728 min Scan# 313

Delta R.T. -0.001 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

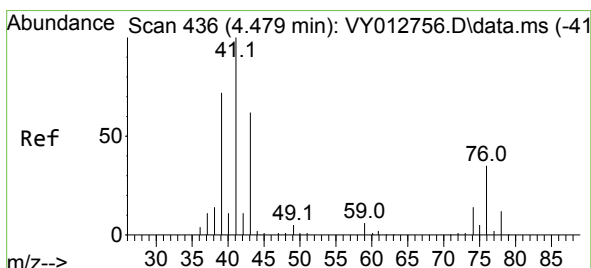
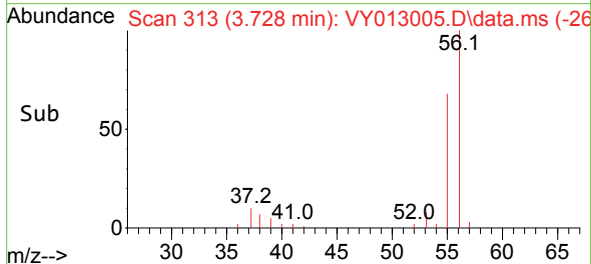
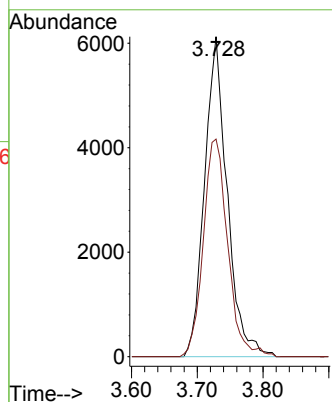
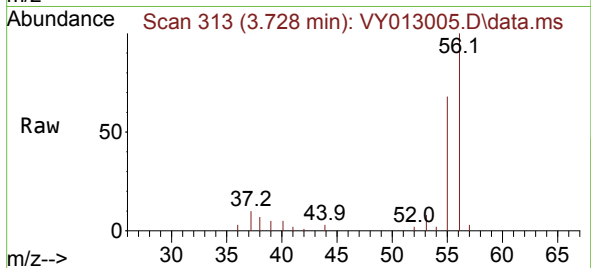
VY0320SBS01

Tgt Ion: 56 Resp: 14654

Ion Ratio Lower Upper

56 100

55 73.4 56.8 85.2



#14

Allyl chloride

Concen: 19.721 ug/l

RT: 4.478 min Scan# 436

Delta R.T. -0.001 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

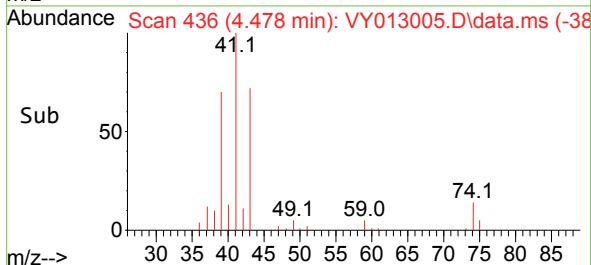
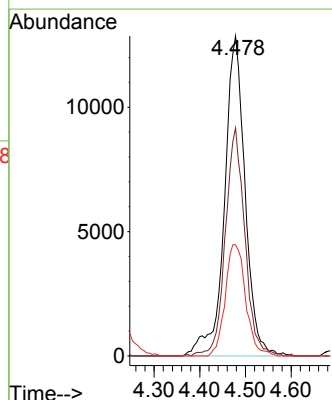
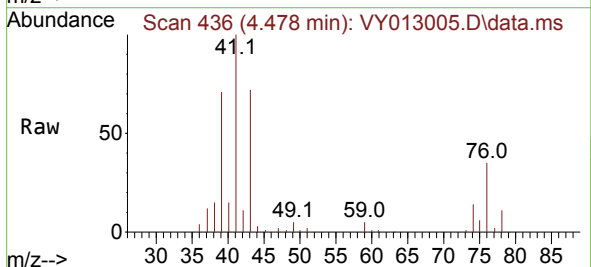
Tgt Ion: 41 Resp: 40418

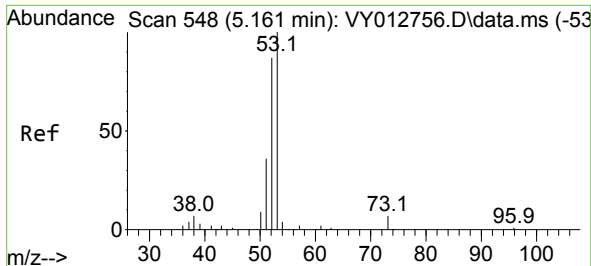
Ion Ratio Lower Upper

41 100

39 67.5 53.6 80.4

76 34.5 27.2 40.8





#15

Acrylonitrile

Concen: 107.170 ug/l

RT: 5.155 min Scan# 54

Delta R.T. -0.006 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

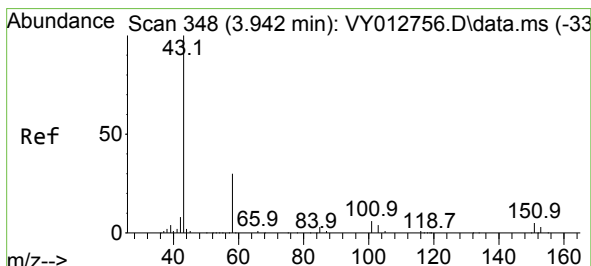
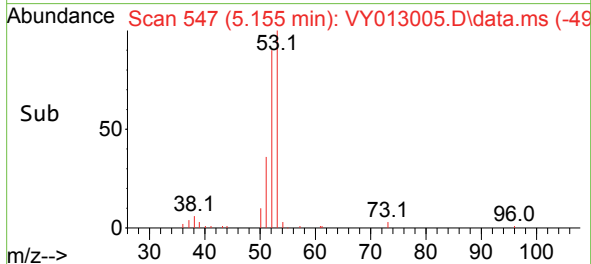
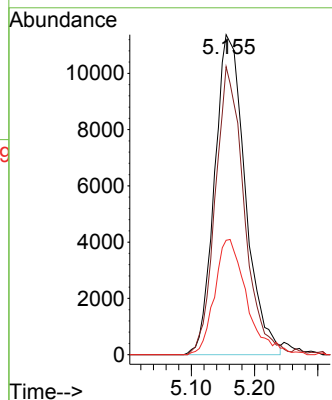
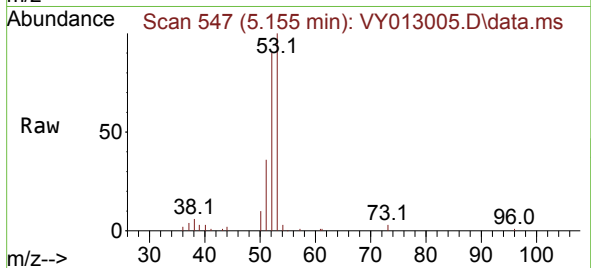
Tgt Ion: 53 Resp: 38262

Ion Ratio Lower Upper

53 100

52 84.4 66.3 99.5

51 37.8 28.8 43.2



#16

Acetone

Concen: 106.802 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY013005.D

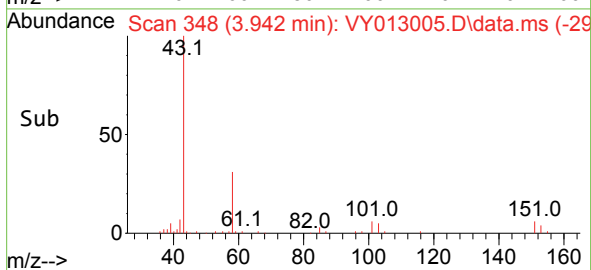
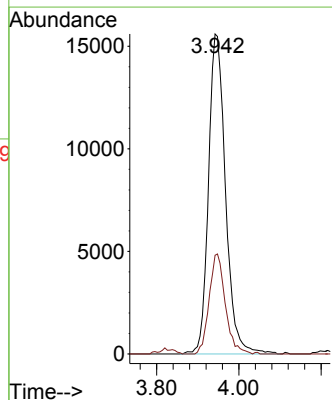
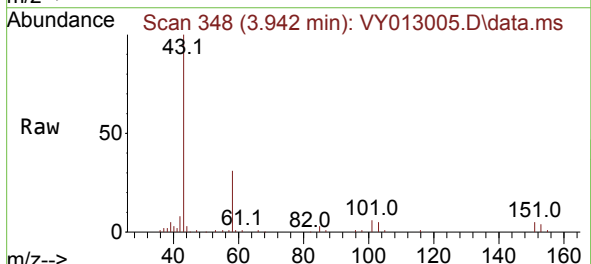
Acq: 20 Mar 2023 13:27

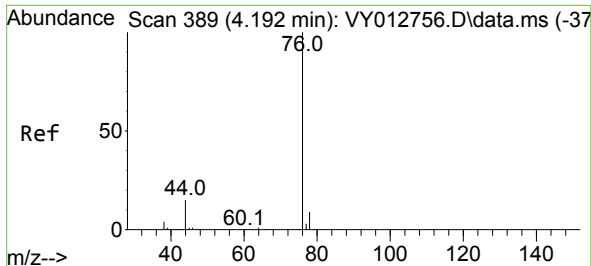
Tgt Ion: 43 Resp: 44844

Ion Ratio Lower Upper

43 100

58 30.8 24.2 36.2

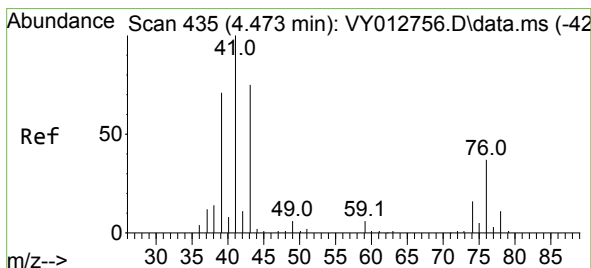
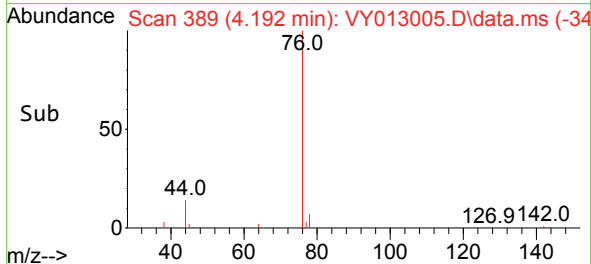
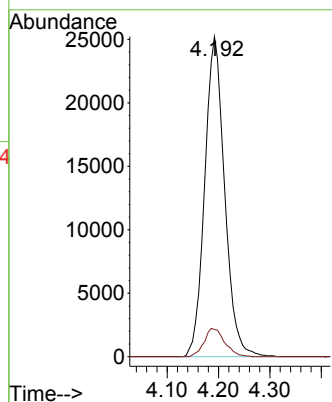
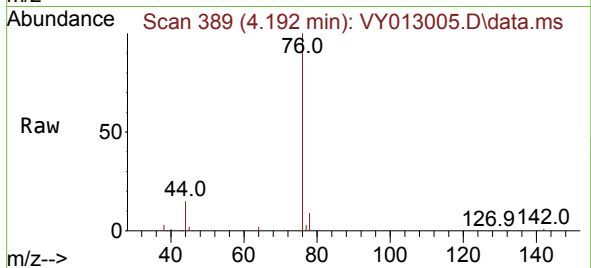




#17  
Carbon Disulfide  
Concen: 17.980 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

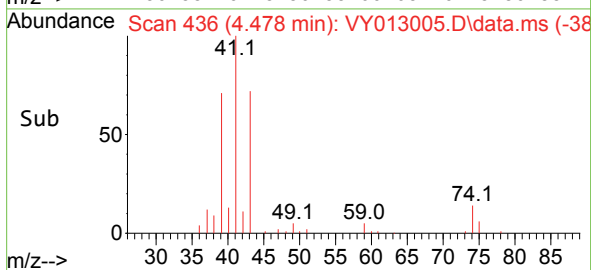
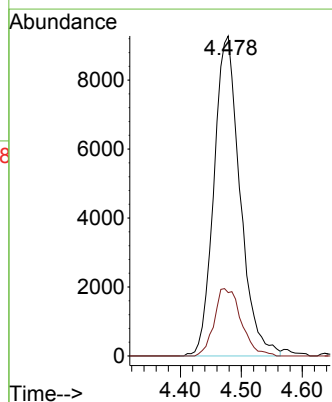
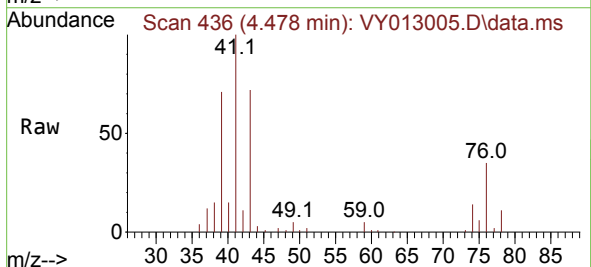
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBSD01

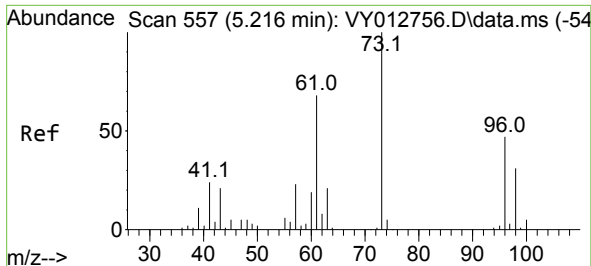
Tgt Ion: 76 Resp: 67903  
Ion Ratio Lower Upper  
76 100  
78 8.5 7.1 10.7



#18  
Methyl Acetate  
Concen: 22.091 ug/l  
RT: 4.478 min Scan# 436  
Delta R.T. 0.005 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 43 Resp: 27622  
Ion Ratio Lower Upper  
43 100  
74 21.7 17.4 26.0

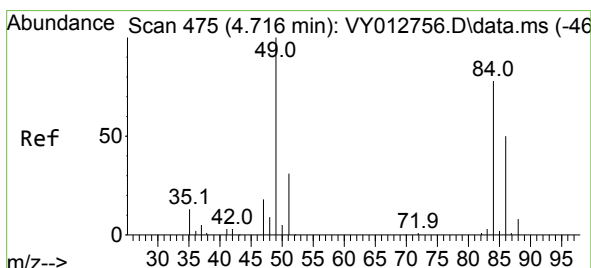
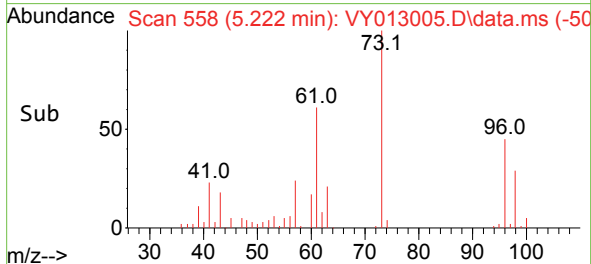
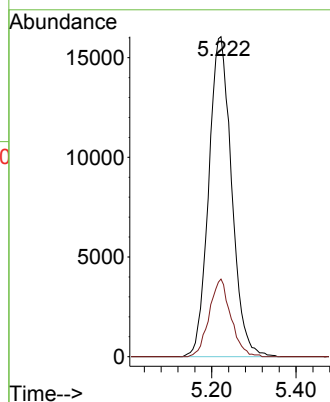
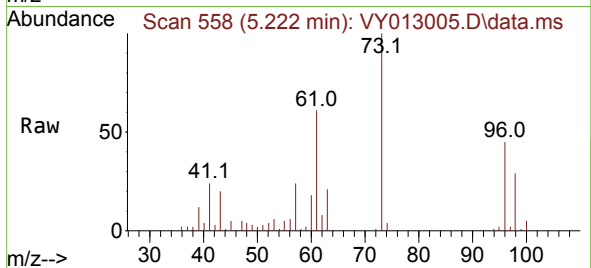




#19  
Methyl tert-butyl Ether  
Concen: 21.117 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

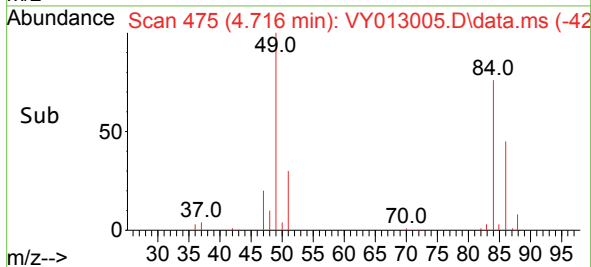
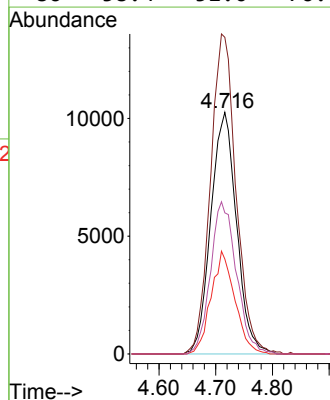
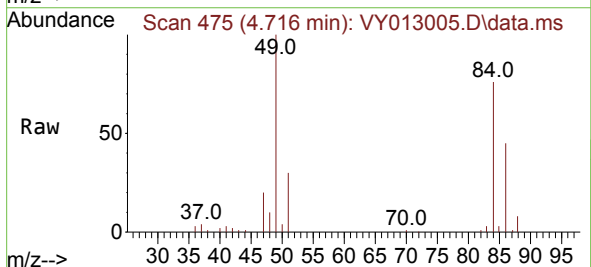
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

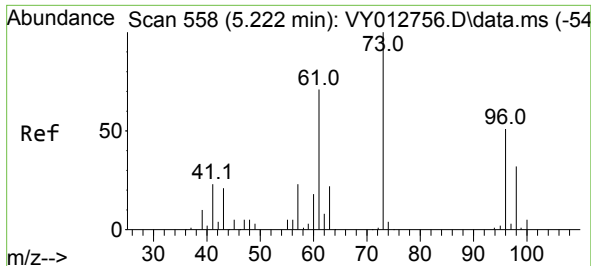
Tgt Ion: 73 Resp: 60516  
Ion Ratio Lower Upper  
73 100  
57 24.3 18.3 27.5



#20  
Methylene Chloride  
Concen: 22.255 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

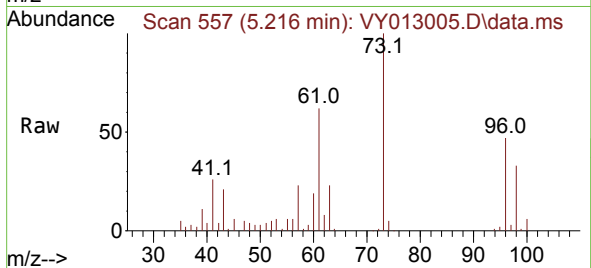
Tgt Ion: 84 Resp: 32335  
Ion Ratio Lower Upper  
84 100  
49 131.1 102.6 154.0  
51 39.3 31.9 47.9  
86 58.4 51.0 76.6



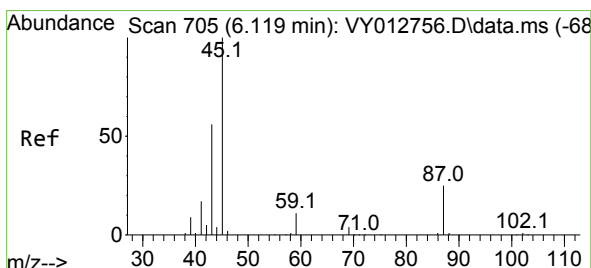
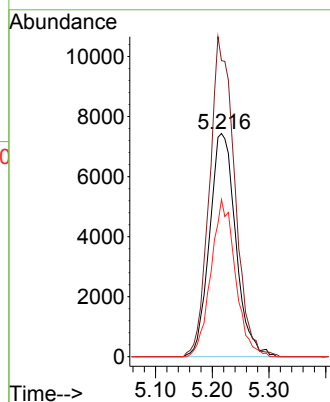
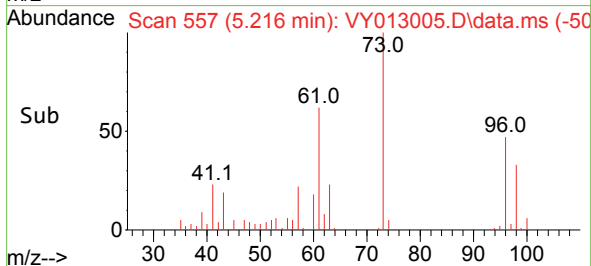


#21  
trans-1,2-Dichloroethene  
Concen: 19.769 ug/l  
RT: 5.216 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

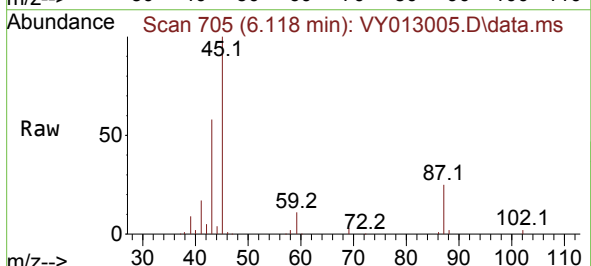
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01



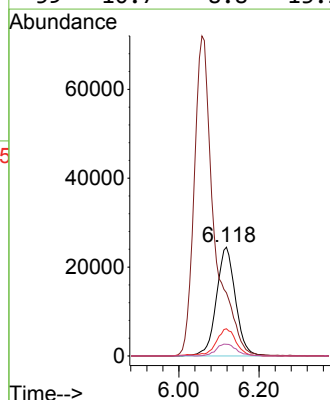
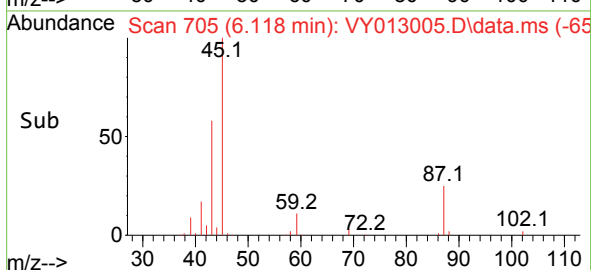
Tgt Ion: 96 Resp: 23835  
Ion Ratio Lower Upper  
96 100  
61 132.6 111.4 167.0  
98 70.4 50.8 76.2

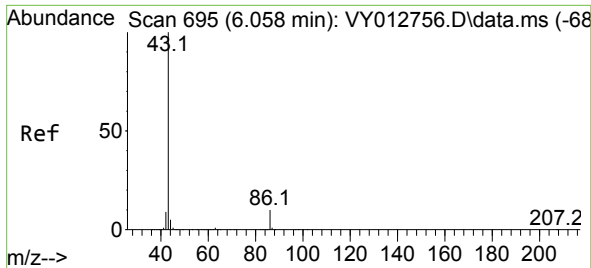


#22  
Diisopropyl ether  
Concen: 21.734 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. -0.001 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27



Tgt Ion: 45 Resp: 80904  
Ion Ratio Lower Upper  
45 100  
43 57.7 45.0 67.6  
87 25.1 20.3 30.5  
59 10.7 8.8 13.2

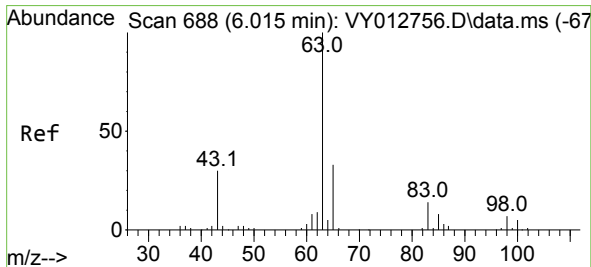
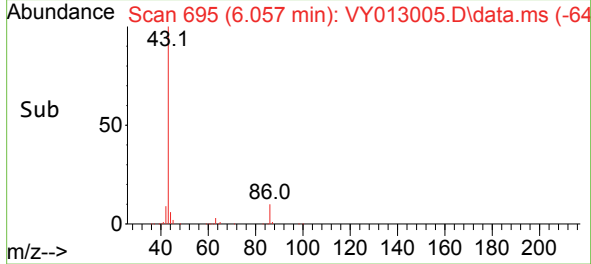
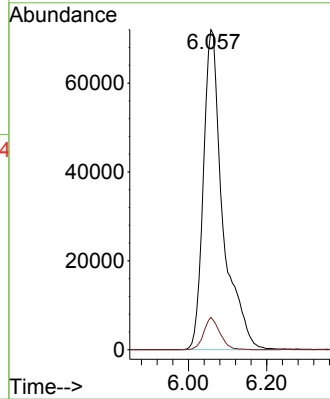
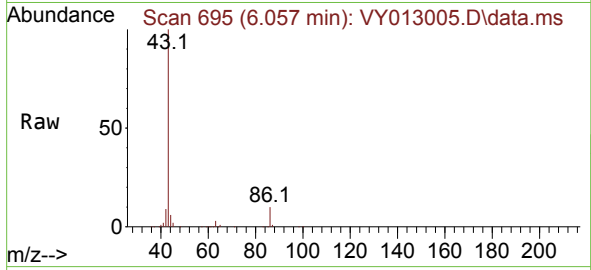




#23  
 Vinyl Acetate  
 Concen: 107.029 ug/l  
 RT: 6.057 min Scan# 695  
 Delta R.T. -0.001 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

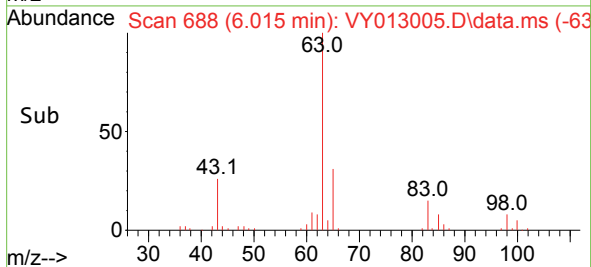
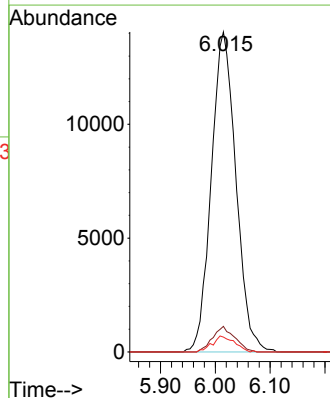
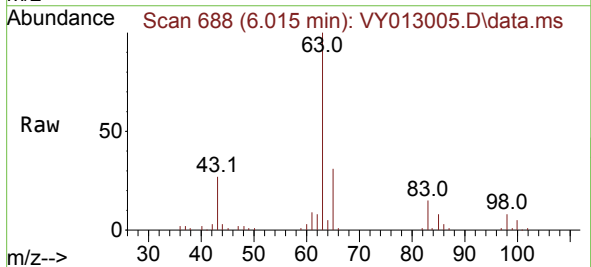
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

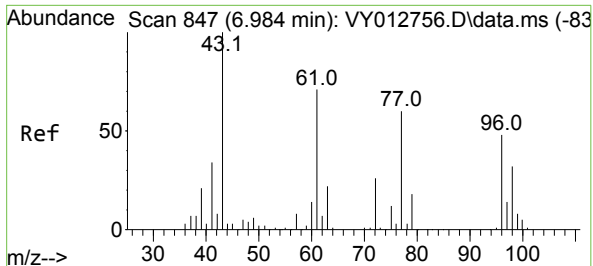
Tgt Ion: 43 Resp: 247546  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 7.8 11.8



#24  
 1,1-Dichloroethane  
 Concen: 20.709 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

Tgt Ion: 63 Resp: 43926  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 3.7 11.1  
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 113.891 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

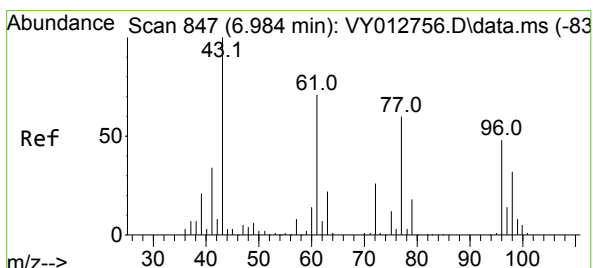
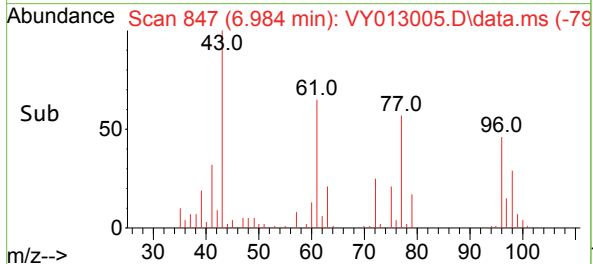
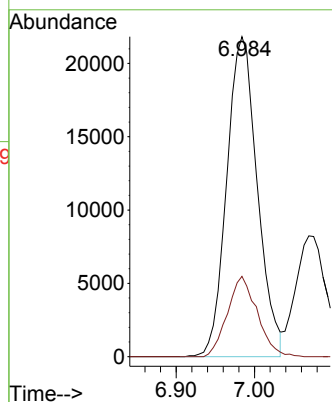
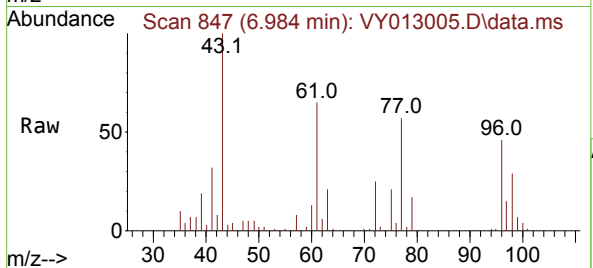
VY0320SBS01

Tgt Ion: 43 Resp: 59230

Ion Ratio Lower Upper

43 100

72 25.1 21.0 31.4



#26

2,2-Dichloropropane

Concen: 20.637 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY013005.D

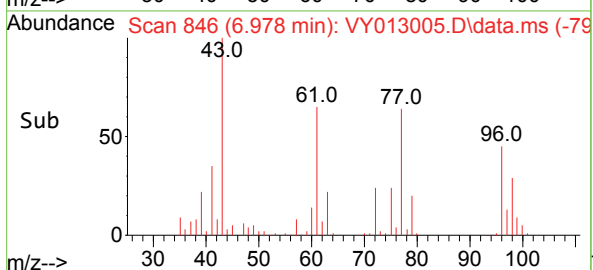
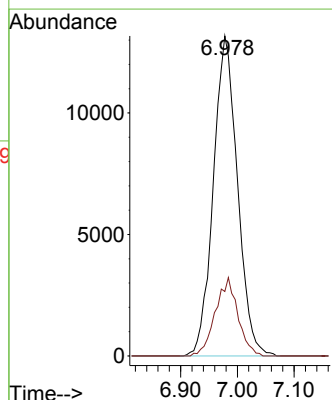
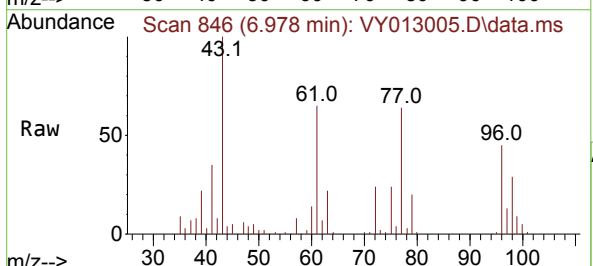
Acq: 20 Mar 2023 13:27

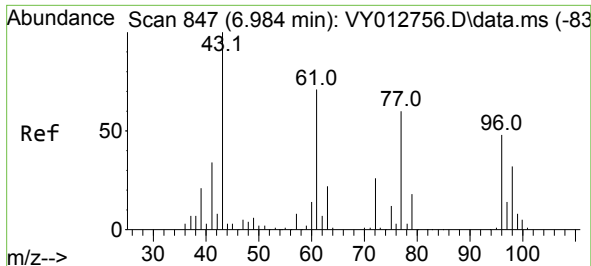
Tgt Ion: 77 Resp: 38878

Ion Ratio Lower Upper

77 100

97 22.8 11.7 35.0

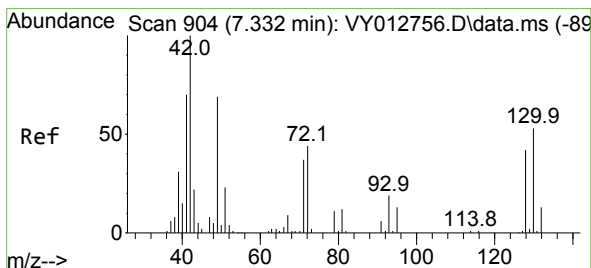
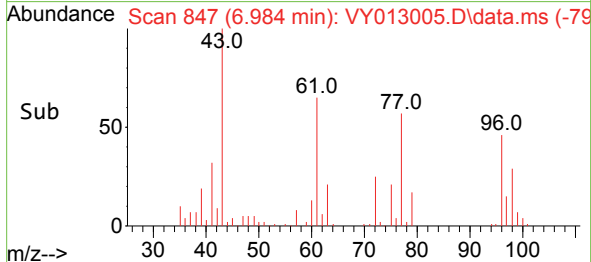
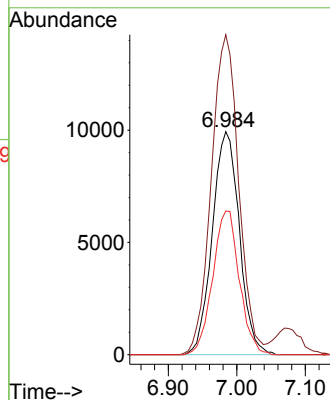
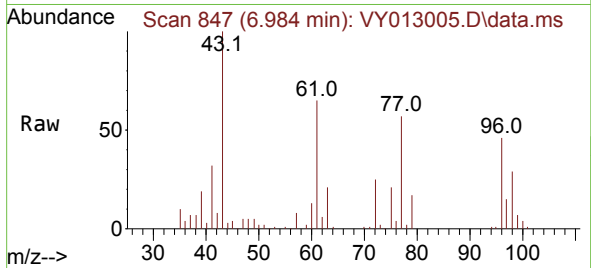




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.087 ug/l  
 RT: 6.984 min Scan# 847  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

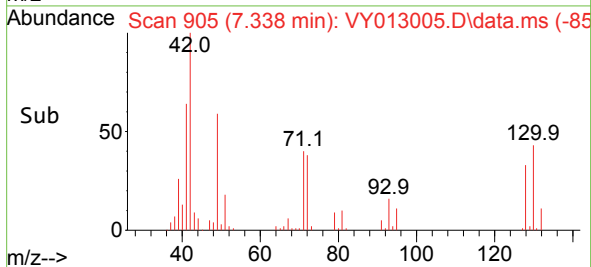
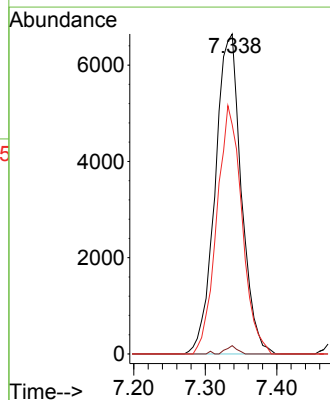
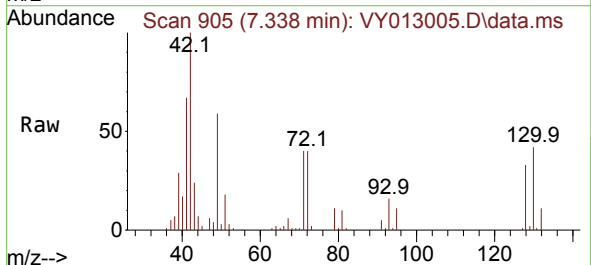
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 96 | Resp: 27258 |
| Ion Ratio   | Lower Upper |
| 96 100      |             |
| 61 145.3    | 0.0 295.8   |
| 98 63.4     | 0.0 130.2   |



#28  
 Bromochloromethane  
 Concen: 21.771 ug/l  
 RT: 7.338 min Scan# 905  
 Delta R.T. 0.006 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 16876 |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 1.1     | 0.0 4.2     |
| 130 75.1    | 60.5 90.7   |





#29

Tetrahydrofuran

Concen: 112.642 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

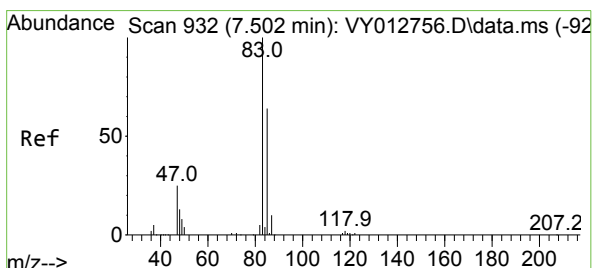
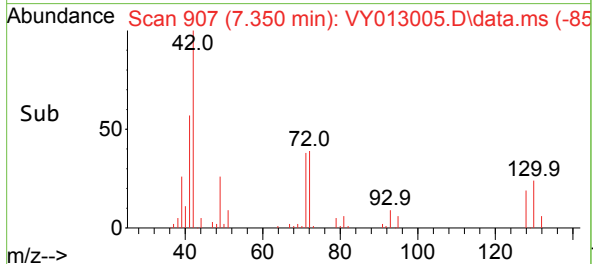
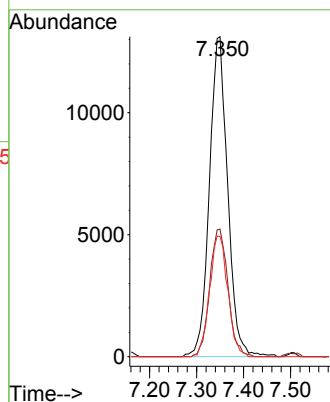
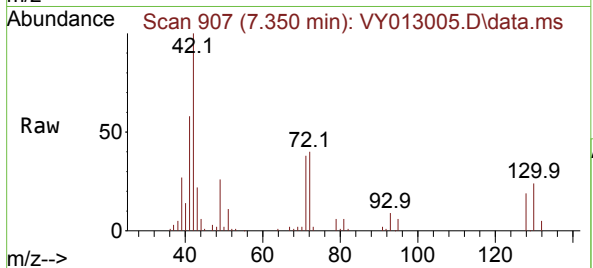
Tgt Ion: 42 Resp: 35331

Ion Ratio Lower Upper

42 100

72 39.9 32.3 48.5

71 37.7 30.3 45.5



#30

Chloroform

Concen: 21.135 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY013005.D

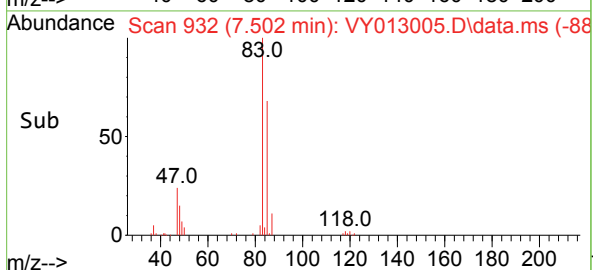
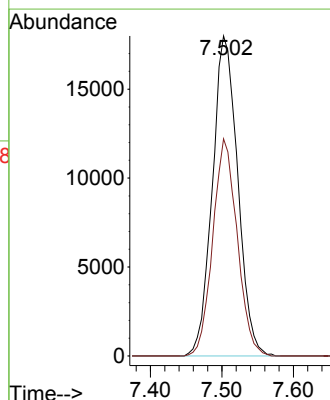
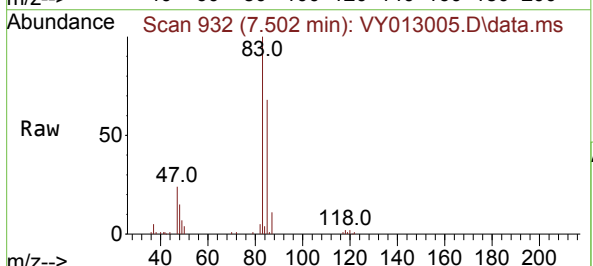
Acq: 20 Mar 2023 13:27

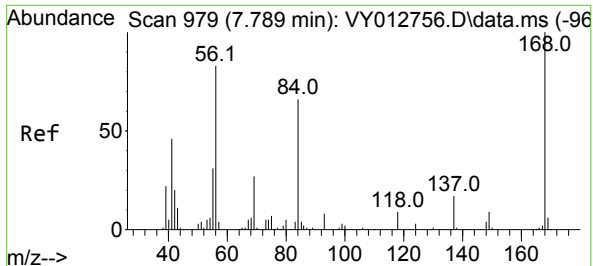
Tgt Ion: 83 Resp: 44282

Ion Ratio Lower Upper

83 100

85 67.9 51.4 77.0





#31

Cyclohexane

Concen: 19.012 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

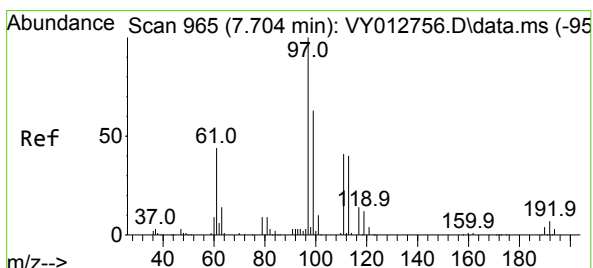
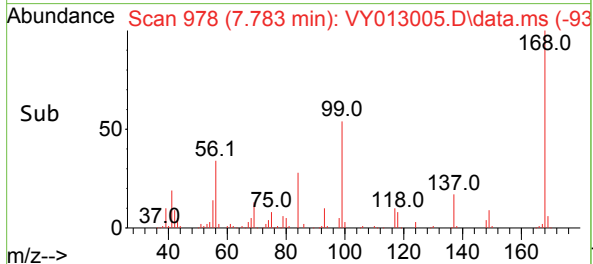
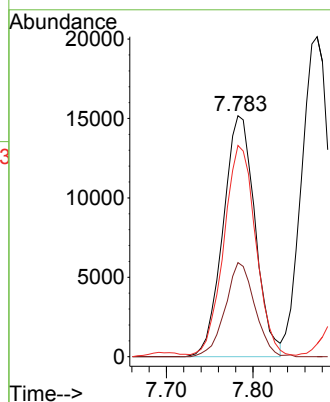
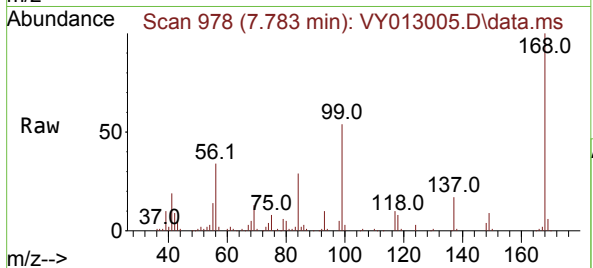
Tgt Ion: 56 Resp: 38950

Ion Ratio Lower Upper

56 100

69 39.1 25.7 38.5#

84 86.6 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 20.708 ug/l

RT: 7.697 min Scan# 964

Delta R.T. -0.007 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

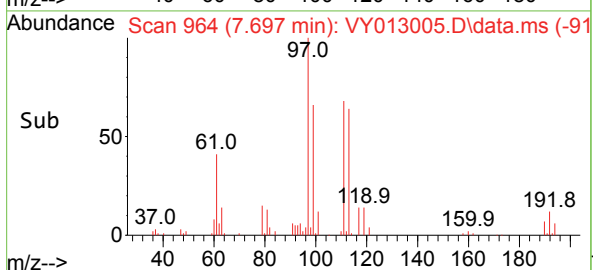
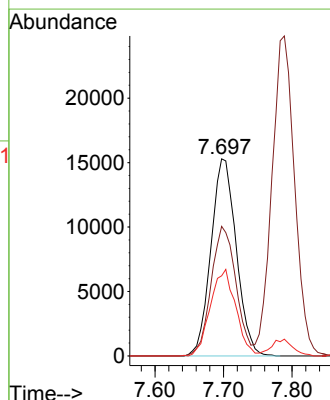
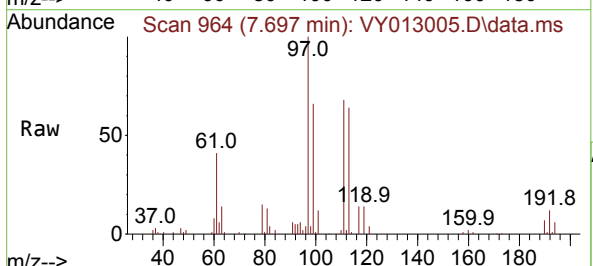
Tgt Ion: 97 Resp: 39236

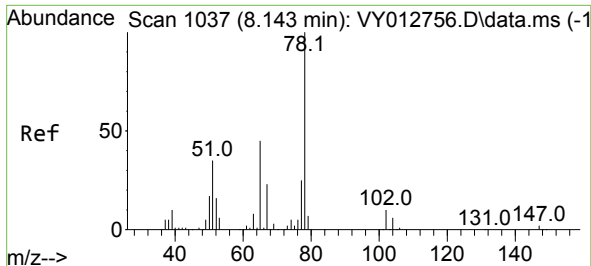
Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.6

61 44.2 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 45.004 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

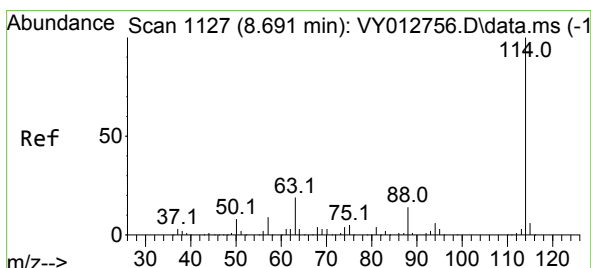
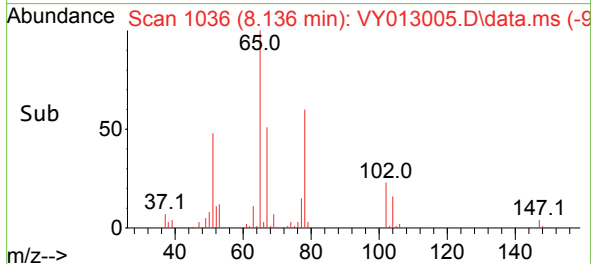
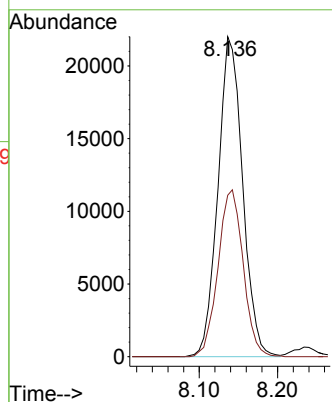
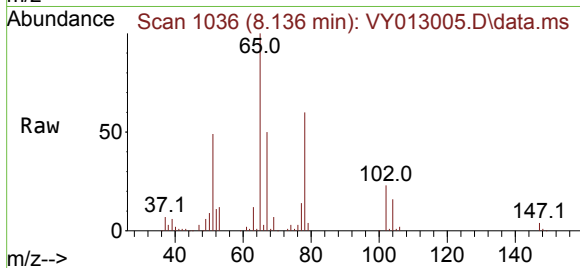
VY0320SBS01

Tgt Ion: 65 Resp: 48142

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

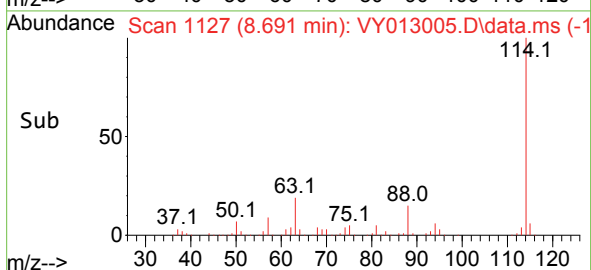
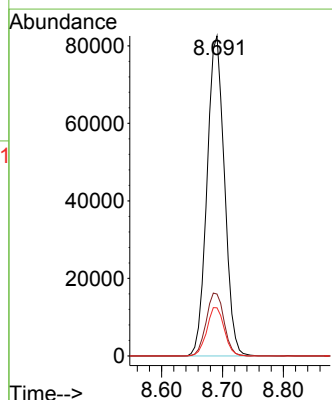
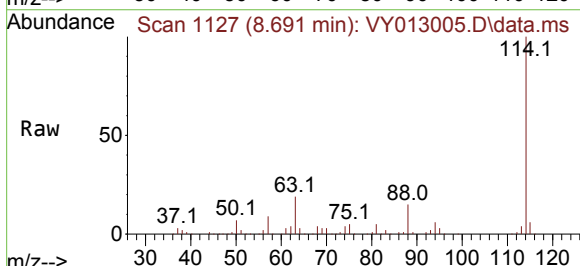
Tgt Ion: 114 Resp: 163859

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 15.0 0.0 28.6

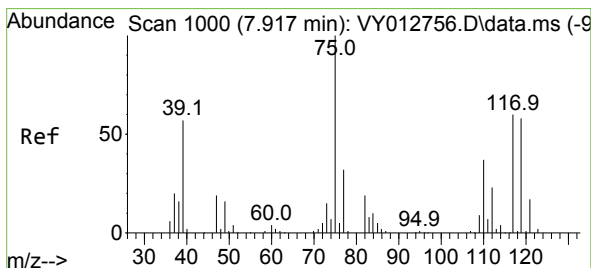
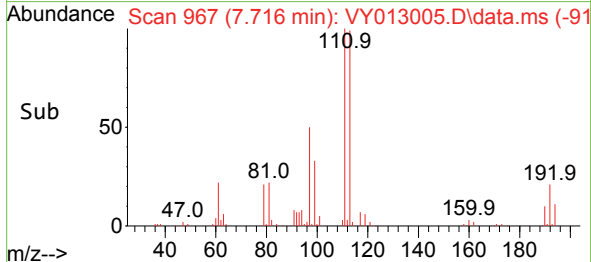
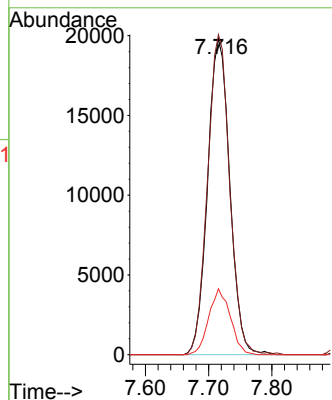
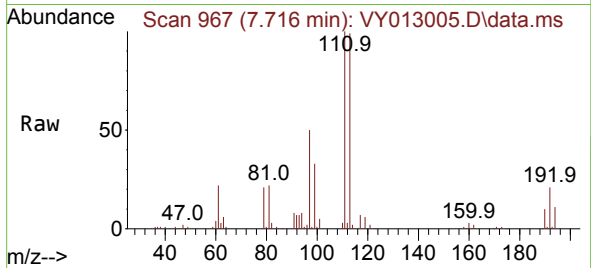




#35  
Dibromofluoromethane  
Concen: 48.770 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

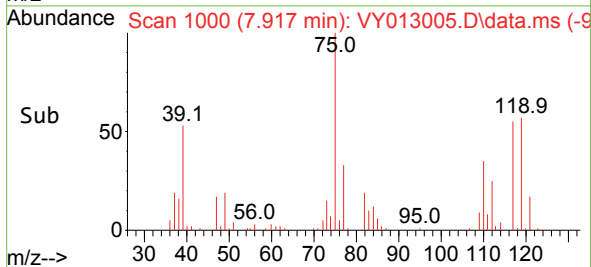
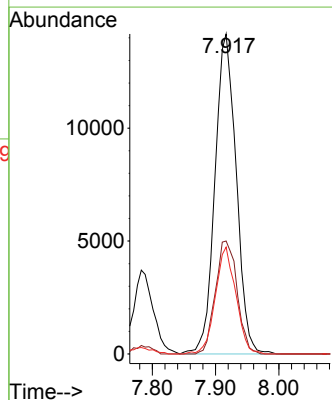
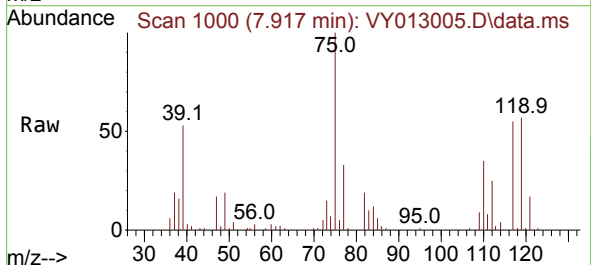
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBSD01

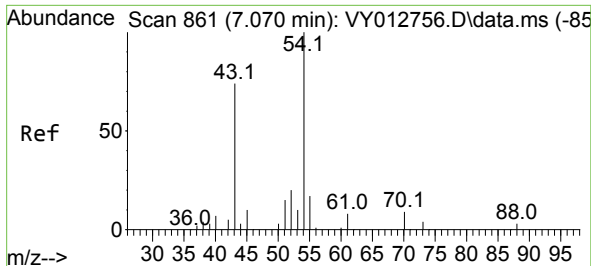
Tgt Ion:113 Resp: 48228  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.2 123.2  
192 20.3 16.8 25.2



#36  
1,1-Dichloropropene  
Concen: 19.963 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 75 Resp: 33082  
Ion Ratio Lower Upper  
75 100  
110 36.0 17.8 53.3  
77 32.3 25.0 37.4





#37

Ethyl Acetate

Concen: 22.488 ug/l

RT: 7.069 min Scan# 861

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

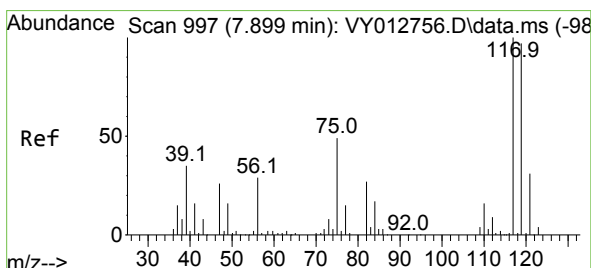
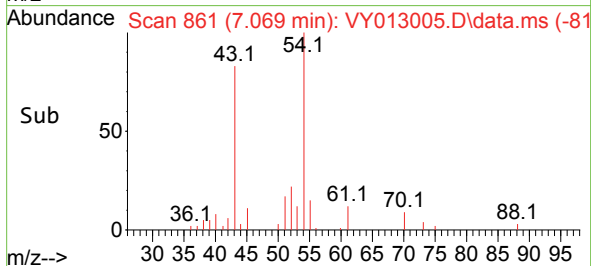
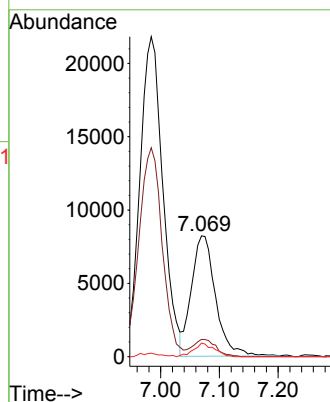
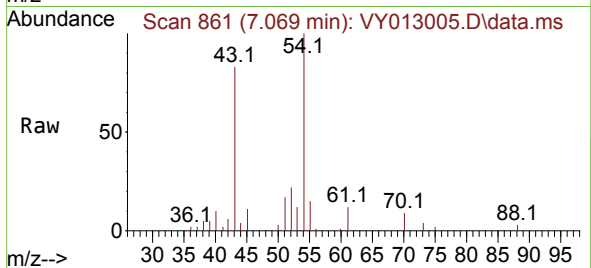
Tgt Ion: 43 Resp: 23488

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

70 9.6 7.8 11.8



#38

Carbon Tetrachloride

Concen: 21.053 ug/l

RT: 7.898 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

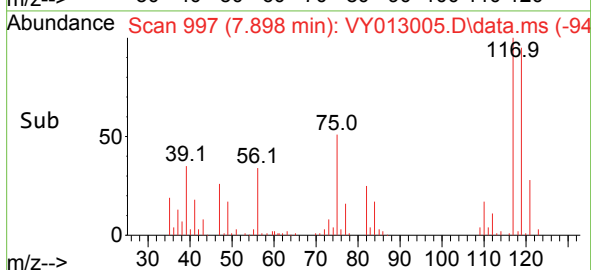
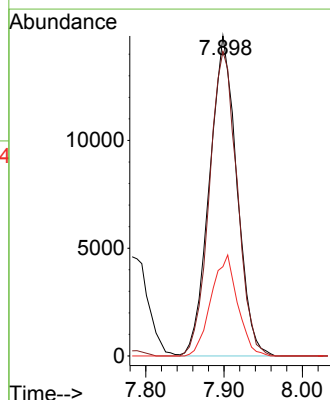
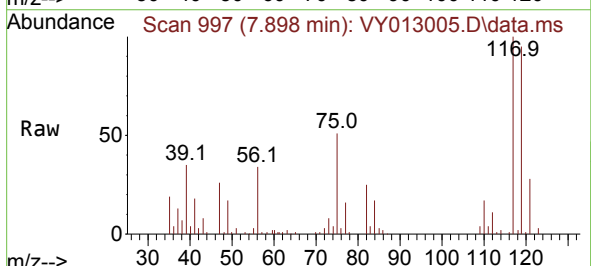
Tgt Ion: 117 Resp: 36028

Ion Ratio Lower Upper

117 100

119 95.2 77.2 115.8

121 27.9 24.7 37.1





#39

Methylcyclohexane

Concen: 19.270 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

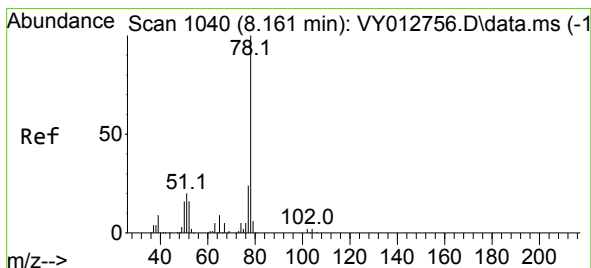
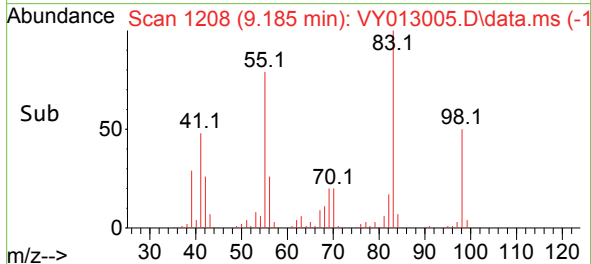
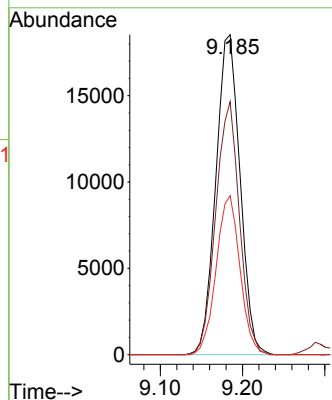
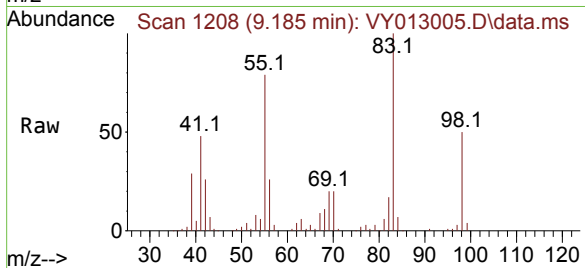
Tgt Ion: 83 Resp: 37965

Ion Ratio Lower Upper

83 100

55 79.0 60.0 90.0

98 49.7 38.3 57.5



#40

Benzene

Concen: 20.817 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY013005.D

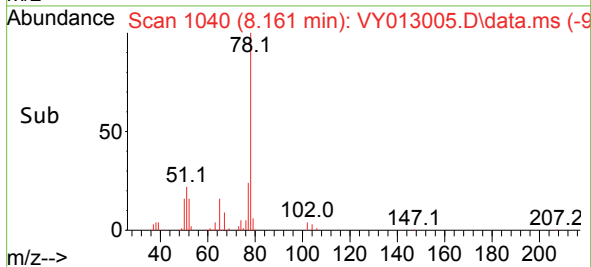
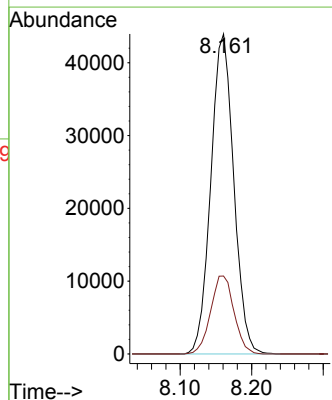
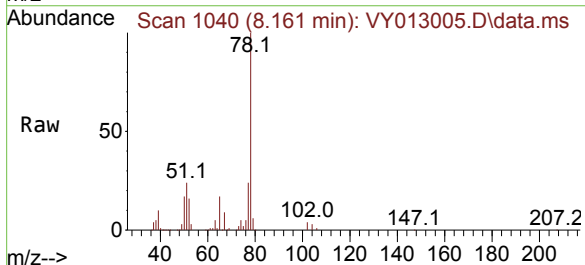
Acq: 20 Mar 2023 13:27

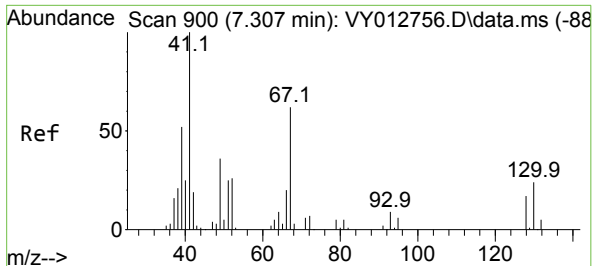
Tgt Ion: 78 Resp: 97584

Ion Ratio Lower Upper

78 100

77 24.4 19.4 29.0

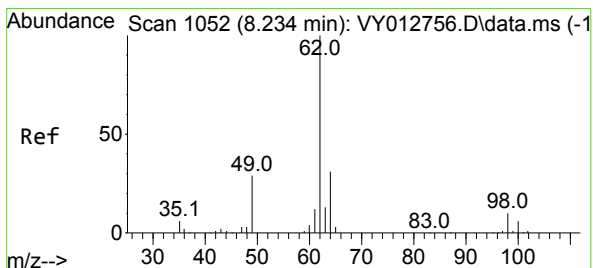
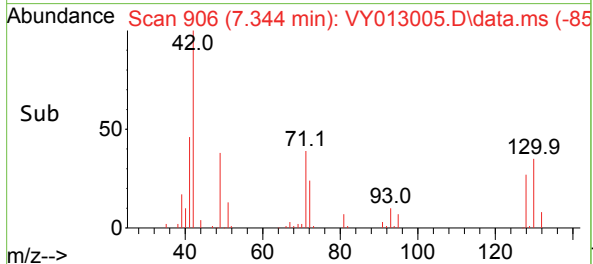
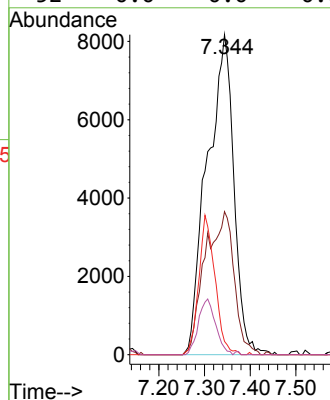
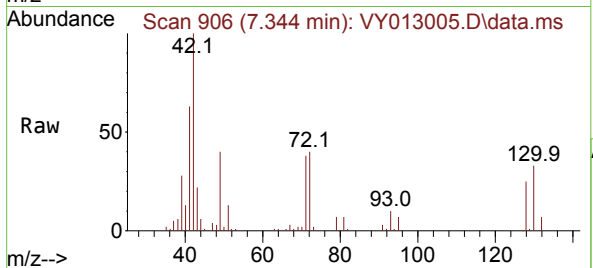




#41  
Methacrylonitrile  
Concen: 58.797 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.036 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

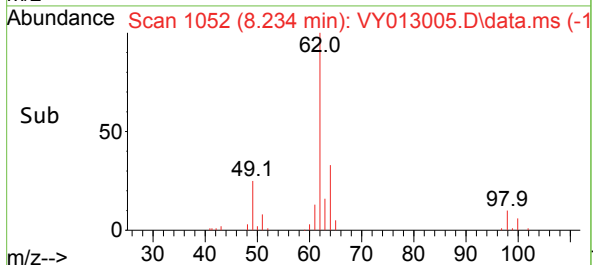
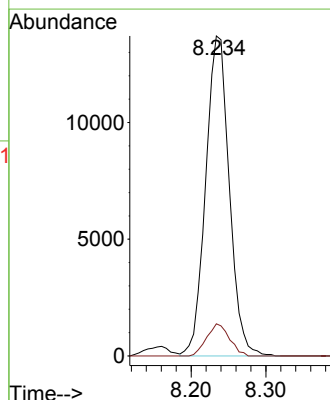
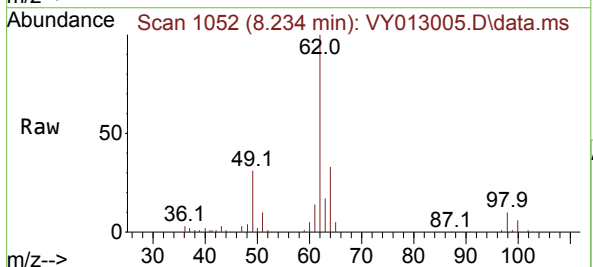
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBSD01

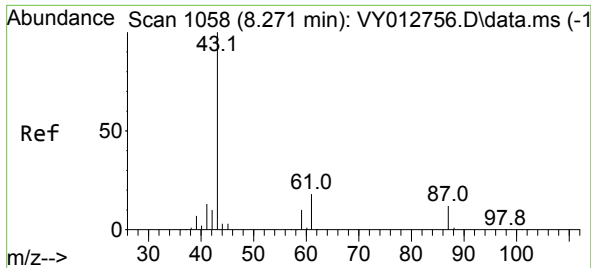
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 33087 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 0.0      | 0.0 0.0     |
| 67 0.0      | 0.0 0.0     |
| 52 0.0      | 0.0 0.0     |



#42  
1,2-Dichloroethane  
Concen: 21.368 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 30114 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 9.7      | 0.0 18.8    |

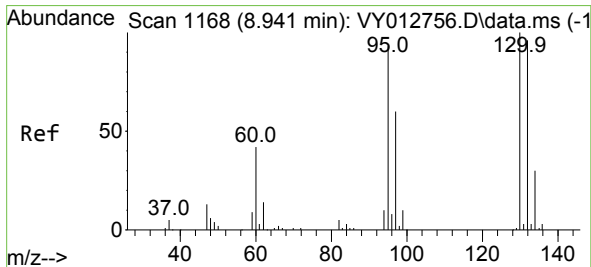
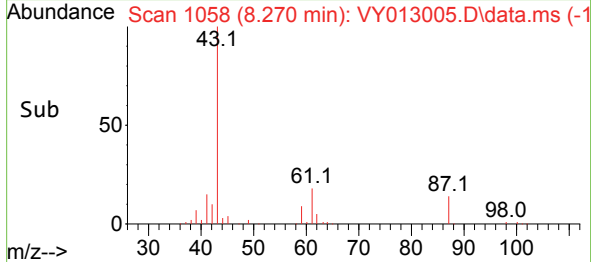
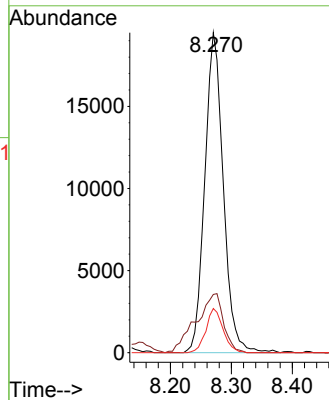
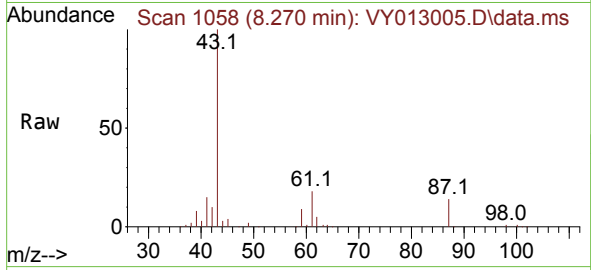




#43  
Isopropyl Acetate  
Concen: 22.081 ug/l  
RT: 8.270 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

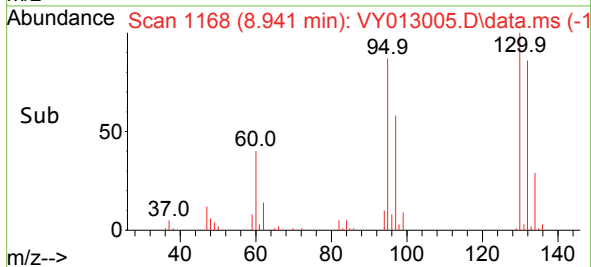
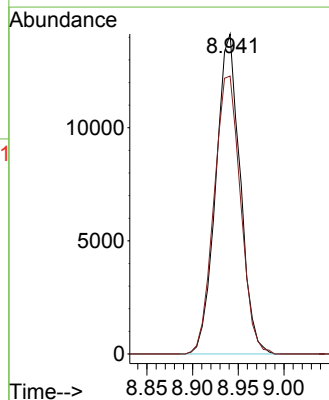
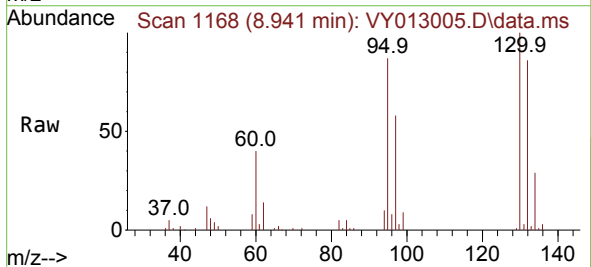
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

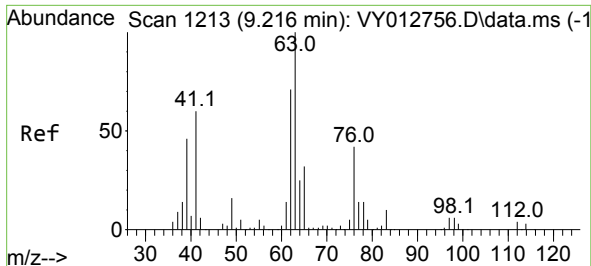
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 41148 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 27.4     | 21.6 32.4   |
| 87 12.8     | 9.9 14.9    |



#44  
Trichloroethene  
Concen: 21.197 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:130 | Resp: | 26198 |       |
| Ion         | Ratio | Lower | Upper |
| 130         | 100   |       |       |
| 95          | 86.8  | 0.0   | 185.0 |





#45

1,2-Dichloropropane

Concen: 21.487 ug/l

RT: 9.215 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

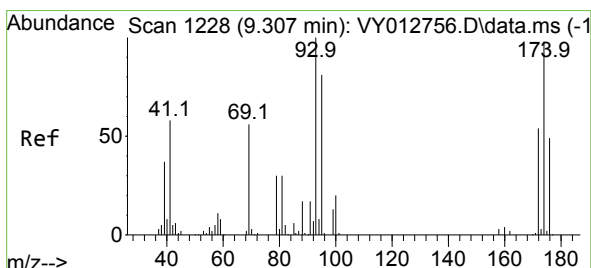
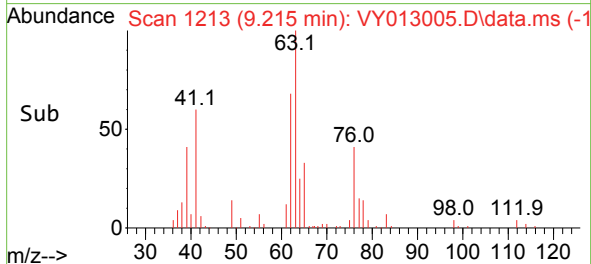
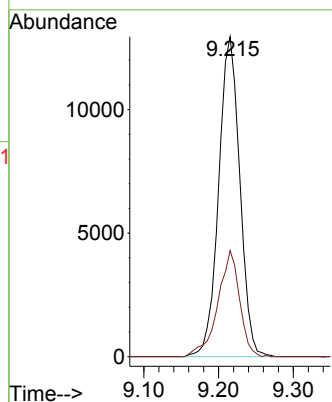
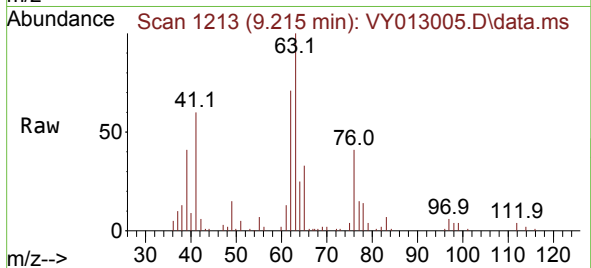
VY0320SBS01

Tgt Ion: 63 Resp: 25456

Ion Ratio Lower Upper

63 100

65 33.1 25.7 38.5



#46

Dibromomethane

Concen: 21.694 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

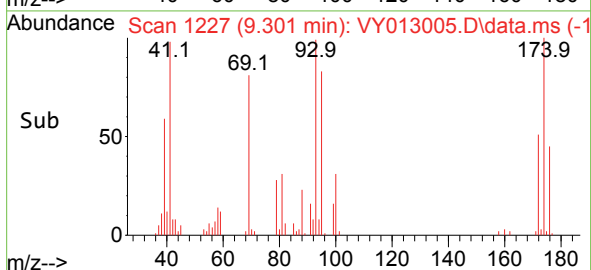
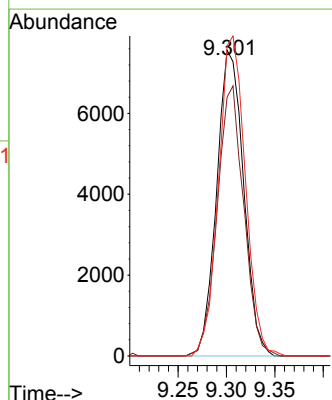
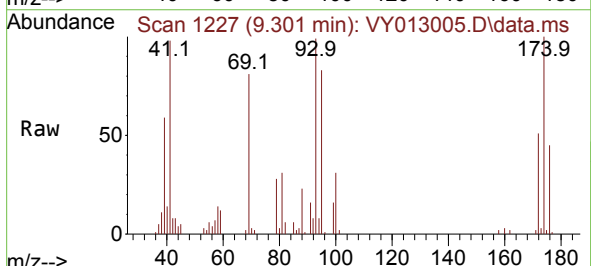
Tgt Ion: 93 Resp: 14642

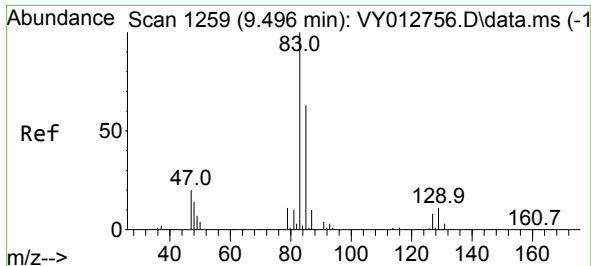
Ion Ratio Lower Upper

93 100

95 86.6 65.6 98.4

174 104.5 81.3 121.9

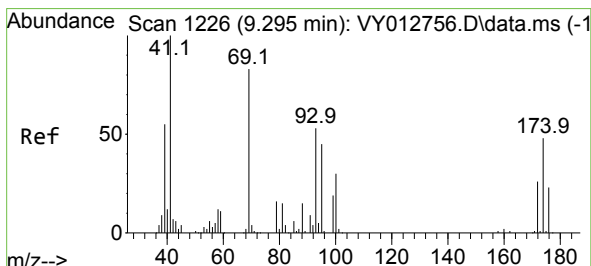
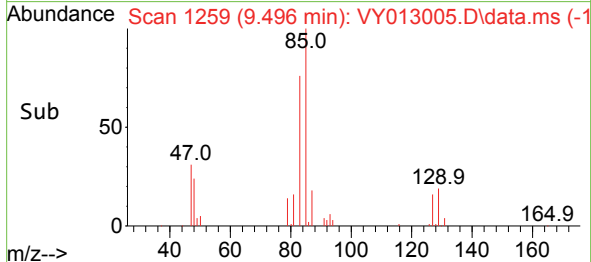
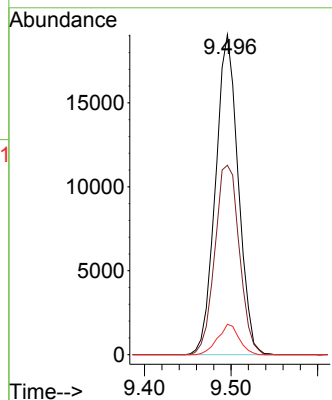
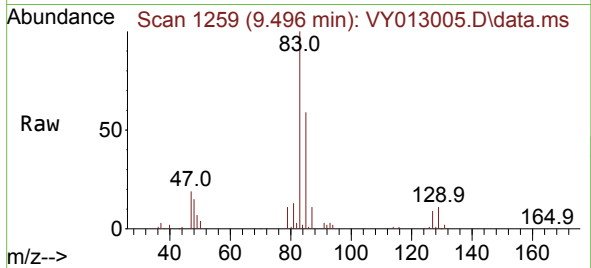




#47  
Bromodichloromethane  
Concen: 21.818 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

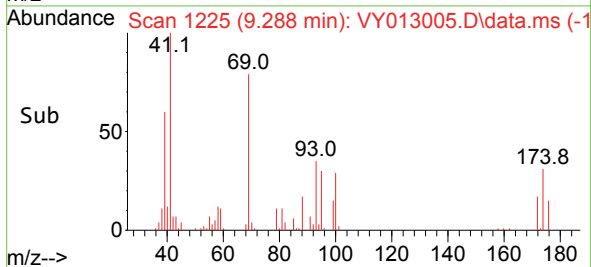
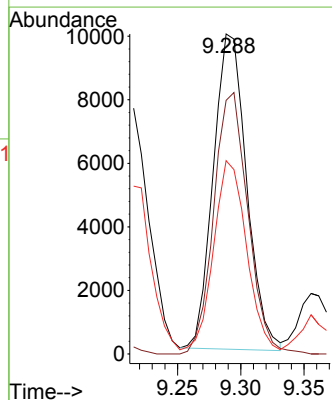
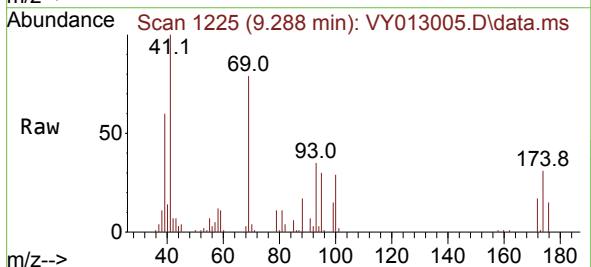
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

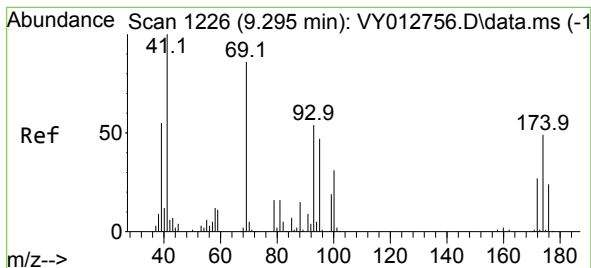
Tgt Ion: 83 Resp: 34701  
Ion Ratio Lower Upper  
83 100  
85 59.2 50.2 75.4  
127 9.5 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 21.182 ug/l  
RT: 9.288 min Scan# 1225  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 41 Resp: 18188  
Ion Ratio Lower Upper  
41 100  
69 85.1 64.1 96.1  
39 59.1 44.0 66.0





#49

1,4-Dioxane

Concen: 506.588 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

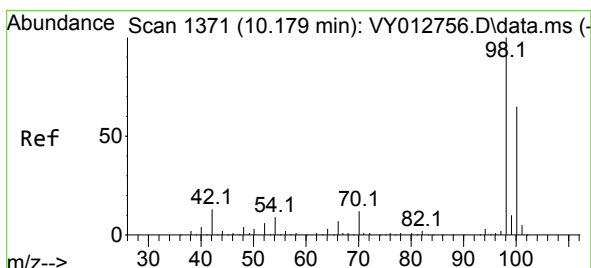
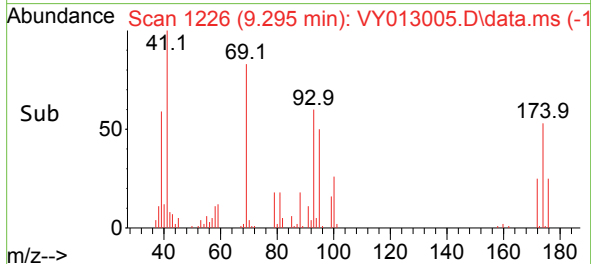
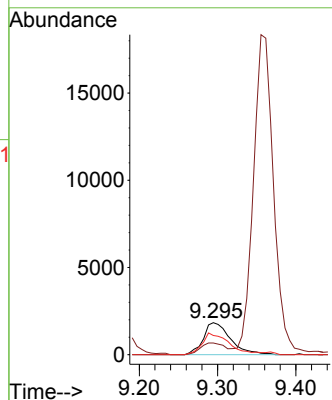
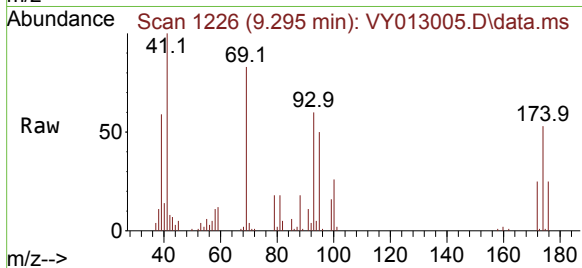
Tgt Ion: 88 Resp: 4420

Ion Ratio Lower Upper

88 100

43 32.1 28.6 42.8

58 70.9 55.2 82.8



#50

Toluene-d8

Concen: 42.965 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013005.D

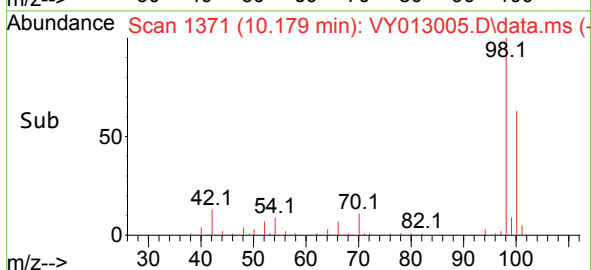
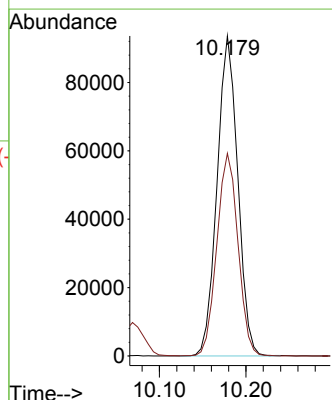
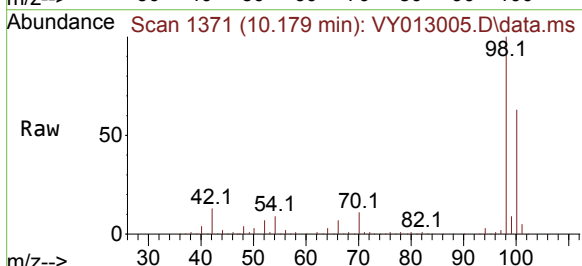
Acq: 20 Mar 2023 13:27

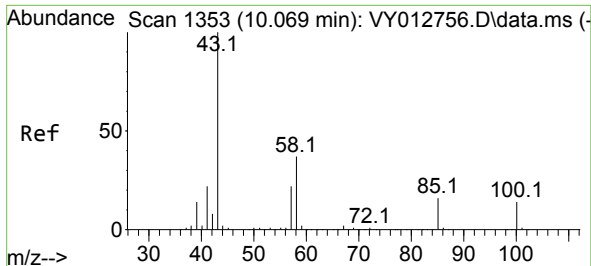
Tgt Ion: 98 Resp: 155327

Ion Ratio Lower Upper

98 100

100 64.7 50.9 76.3

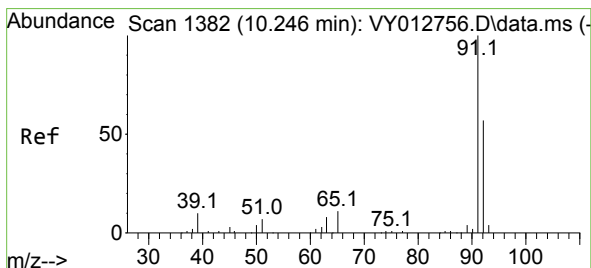
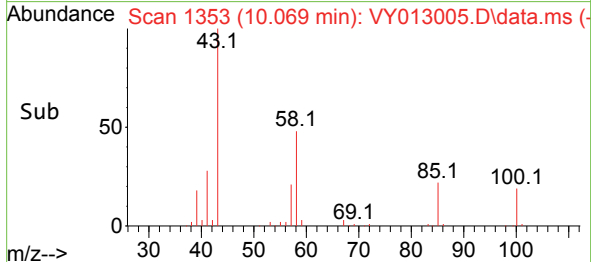
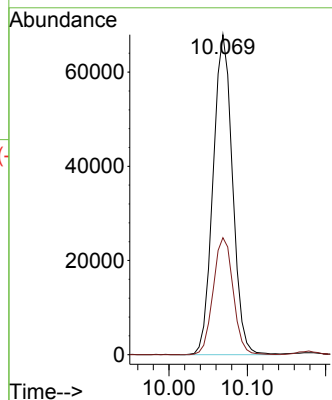
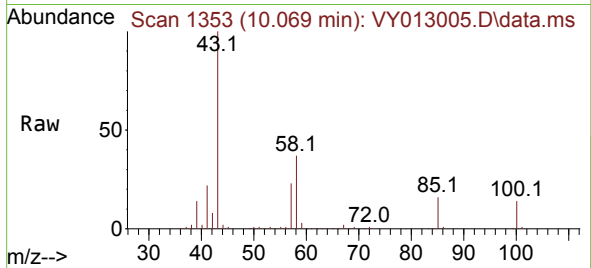




#51  
4-Methyl-2-Pentanone  
Concen: 116.110 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

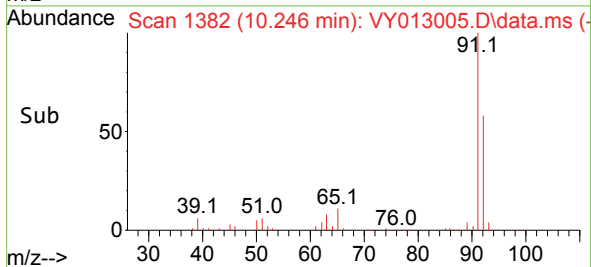
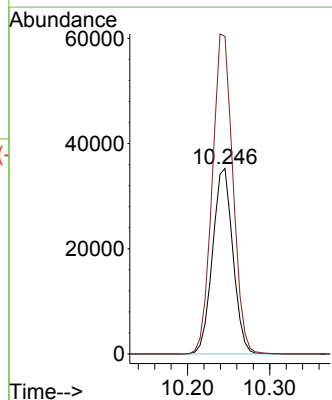
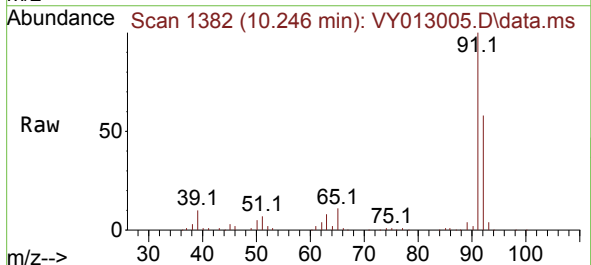
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

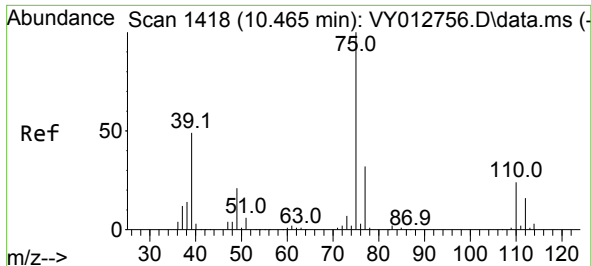
Tgt Ion: 43 Resp: 117366  
Ion Ratio Lower Upper  
43 100  
58 37.5 29.8 44.6



#52  
Toluene  
Concen: 21.462 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 92 Resp: 60675  
Ion Ratio Lower Upper  
92 100  
91 175.1 141.3 211.9

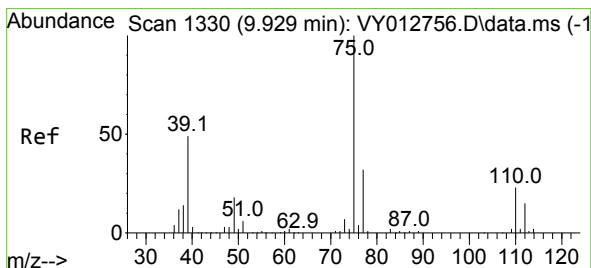
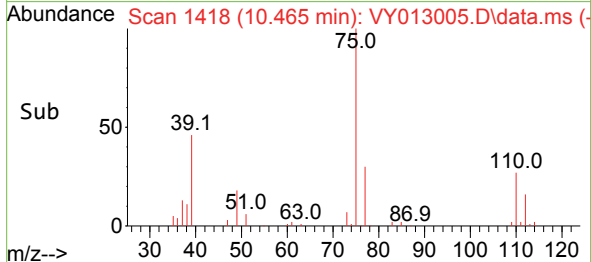
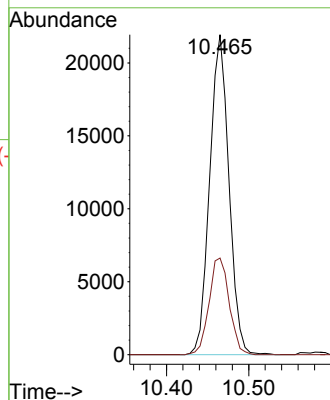
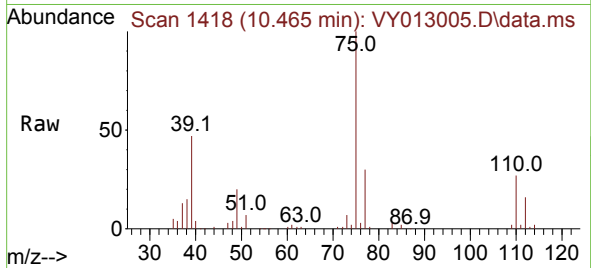




#53  
 t-1,3-Dichloropropene  
 Concen: 21.330 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

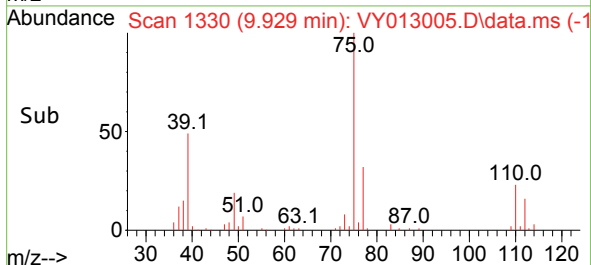
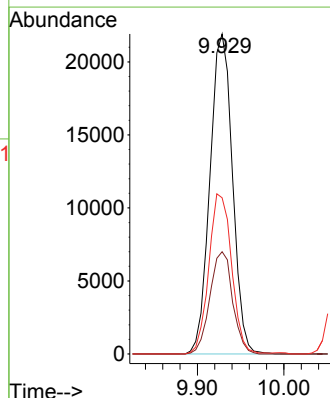
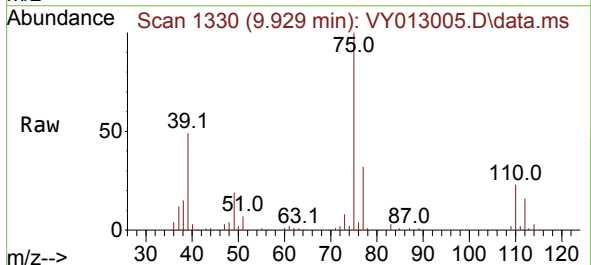
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

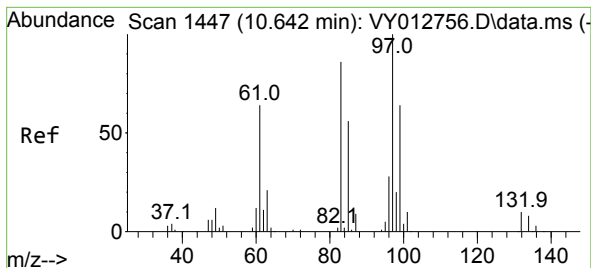
Tgt Ion: 75 Resp: 35584  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 20.956 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

Tgt Ion: 75 Resp: 39570  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.4 38.0  
 39 48.8 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 21.922 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

Tgt Ion: 97 Resp: 20605

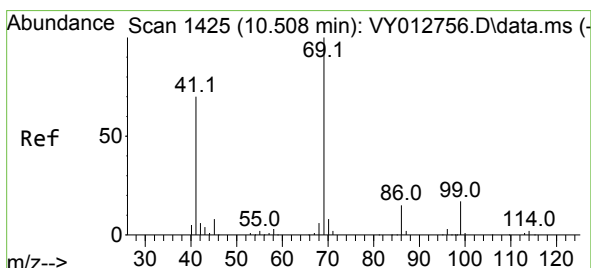
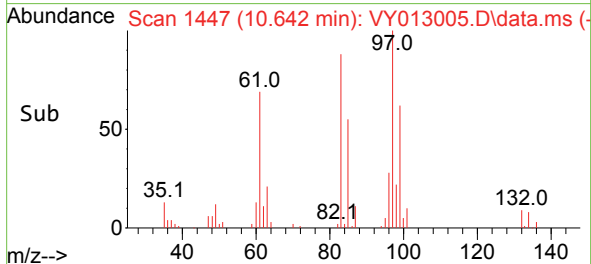
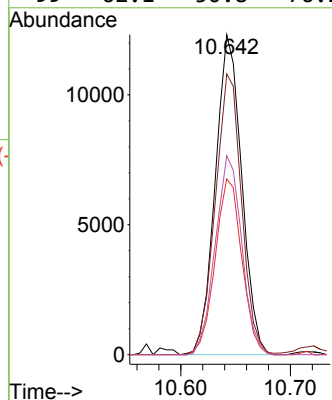
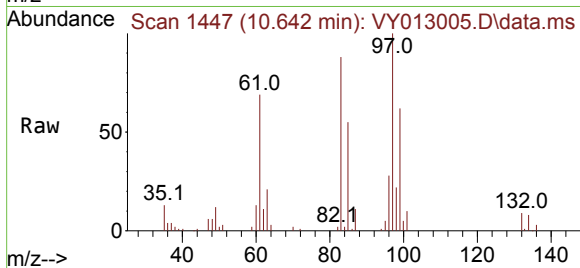
Ion Ratio Lower Upper

97 100

83 87.7 69.0 103.6

85 54.9 44.9 67.3

99 62.1 50.8 76.2



#56

Ethyl methacrylate

Concen: 21.602 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

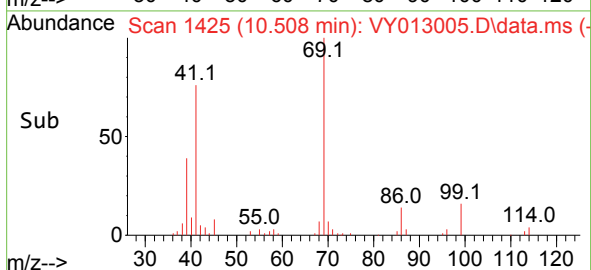
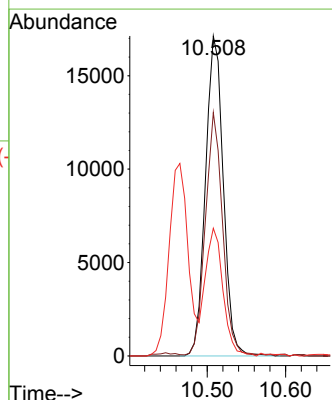
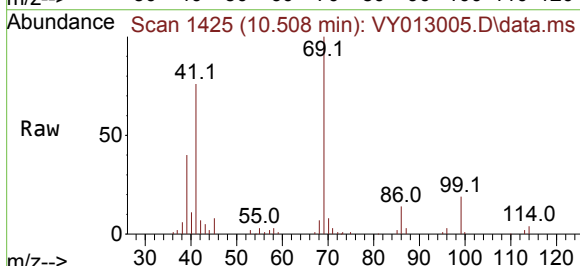
Tgt Ion: 69 Resp: 27074

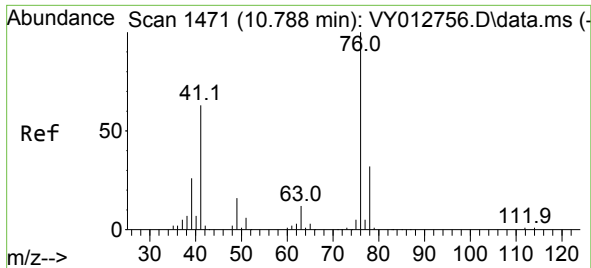
Ion Ratio Lower Upper

69 100

41 74.1 56.4 84.6

39 38.9 30.8 46.2

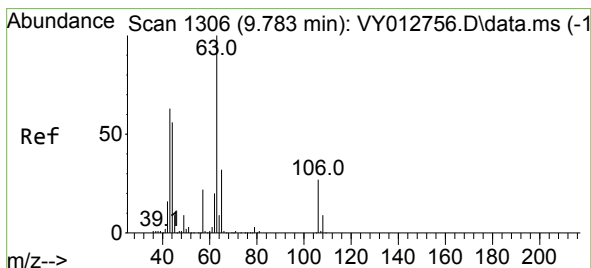
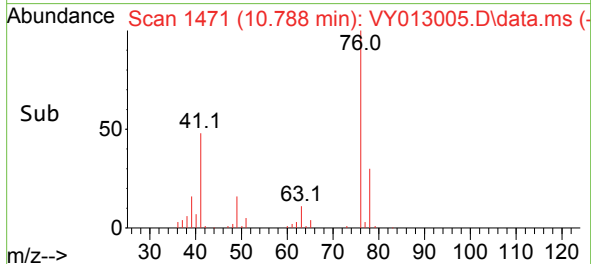
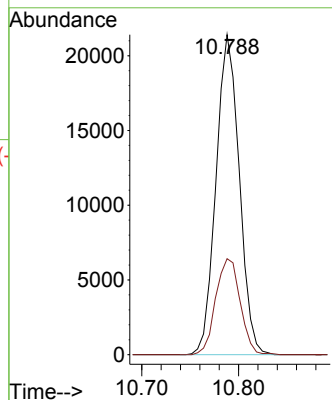
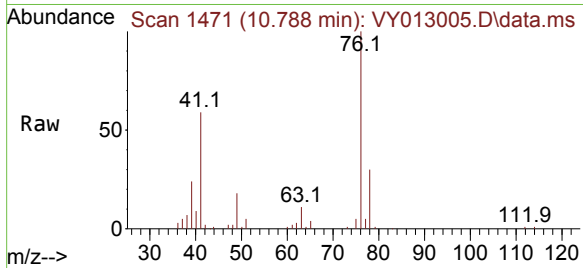




#57  
1,3-Dichloropropane  
Concen: 22.304 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

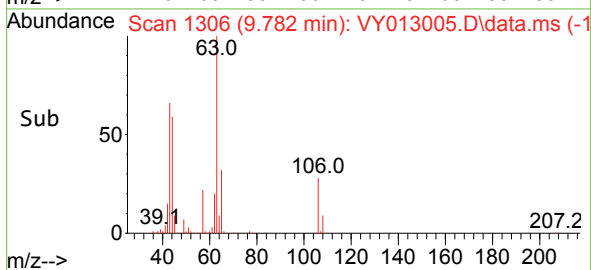
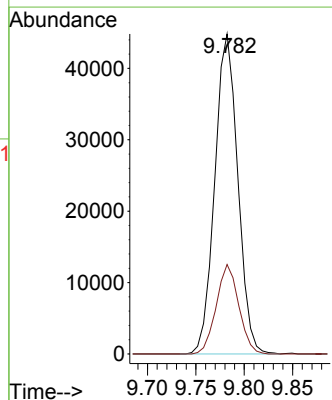
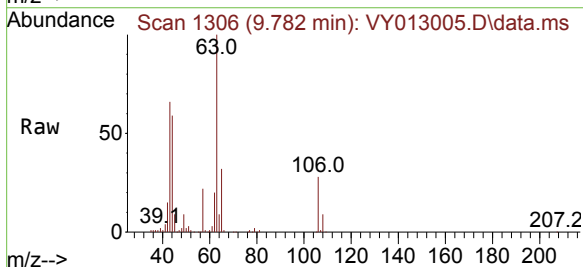
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

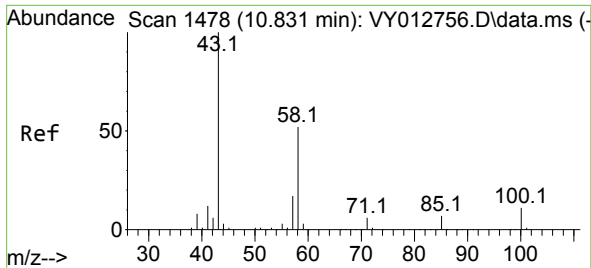
Tgt Ion: 76 Resp: 35707  
Ion Ratio Lower Upper  
76 100  
78 31.6 26.2 39.4



#58  
2-Chloroethyl Vinyl ether  
Concen: 112.628 ug/l  
RT: 9.782 min Scan# 1306  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 63 Resp: 74101  
Ion Ratio Lower Upper  
63 100  
106 27.3 22.1 33.1

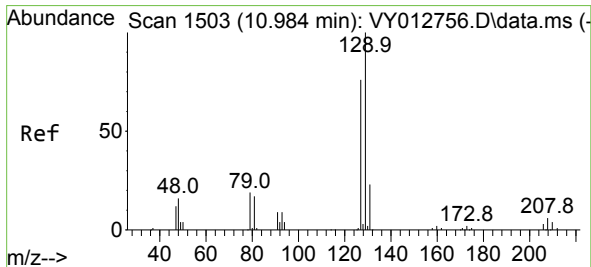
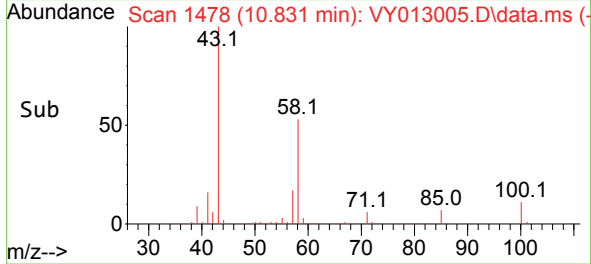
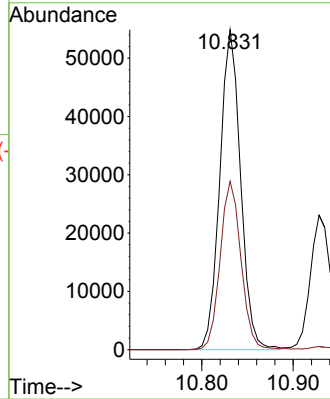
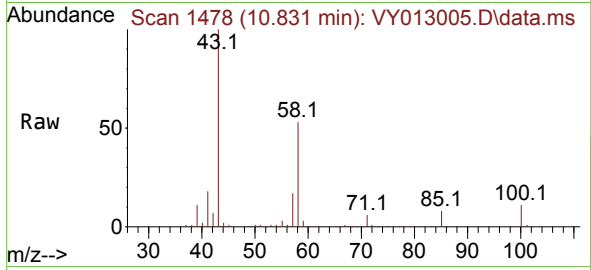




#59  
2-Hexanone  
Concen: 118.115 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

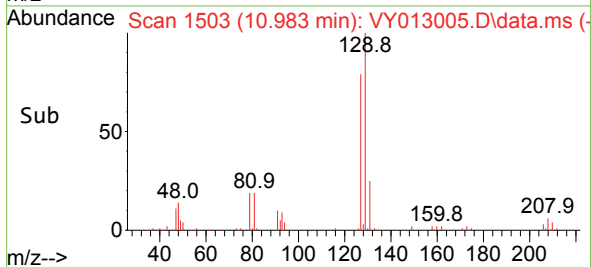
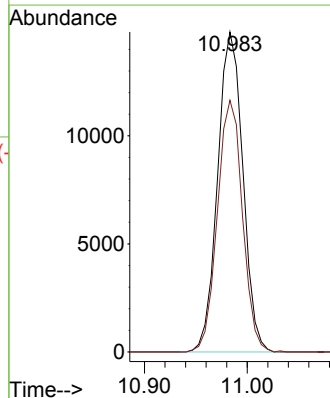
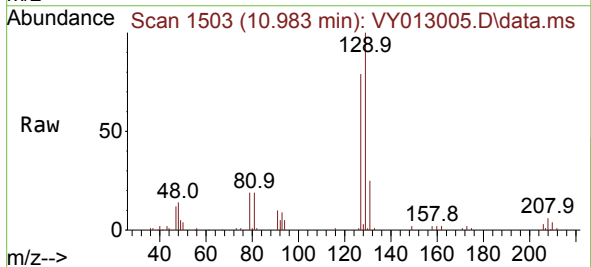
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

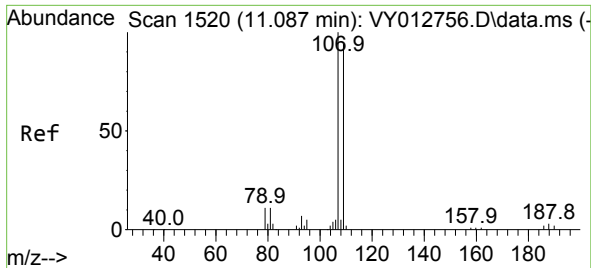
Tgt Ion: 43 Resp: 86773  
Ion Ratio Lower Upper  
43 100  
58 52.8 25.9 77.8



#60  
Dibromochloromethane  
Concen: 22.015 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 129 Resp: 25188  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.7 116.1

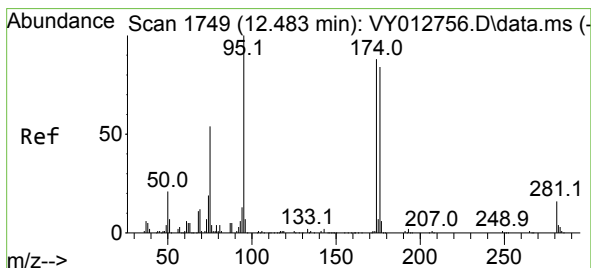
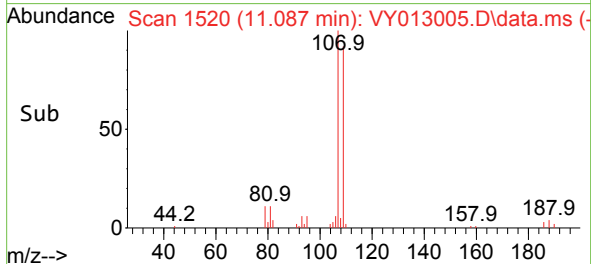
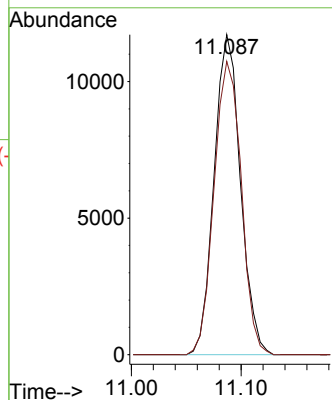
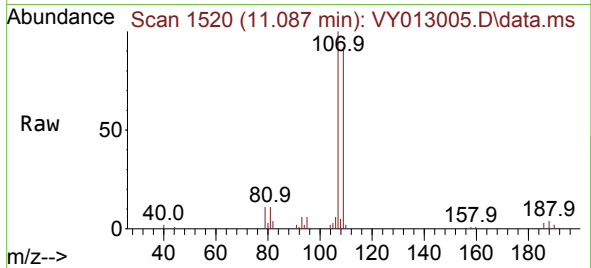




#61  
1,2-Dibromoethane  
Concen: 21.628 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

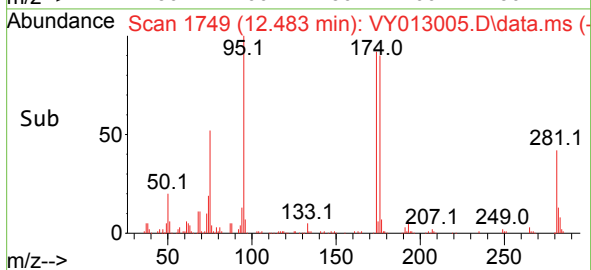
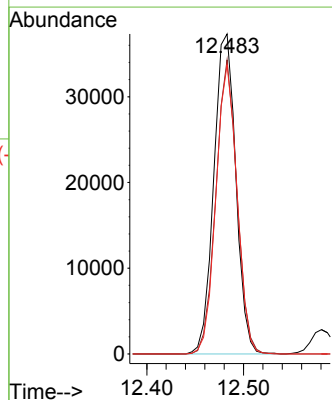
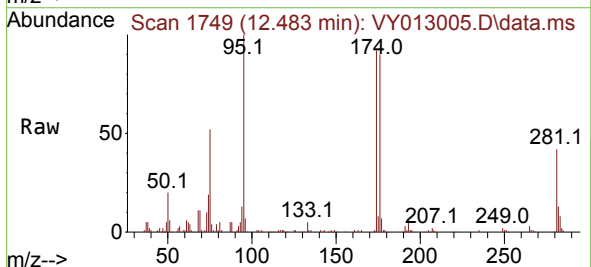
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

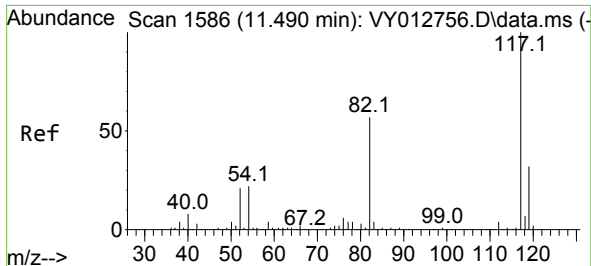
Tgt Ion:107 Resp: 19583  
Ion Ratio Lower Upper  
107 100  
109 94.6 75.0 112.6



#62  
4-Bromofluorobenzene  
Concen: 48.386 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 95 Resp: 59041  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 176.6  
176 86.6 0.0 170.2

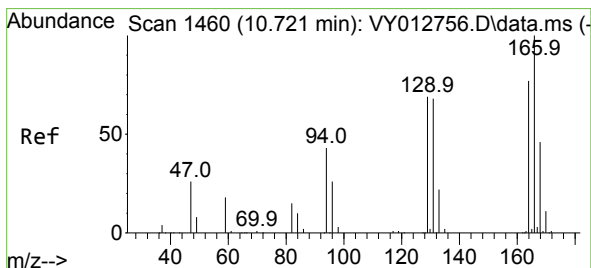
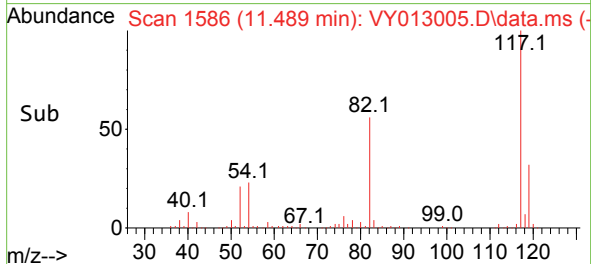
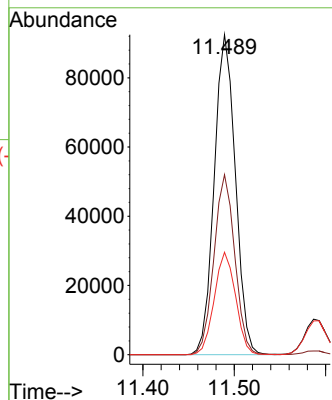
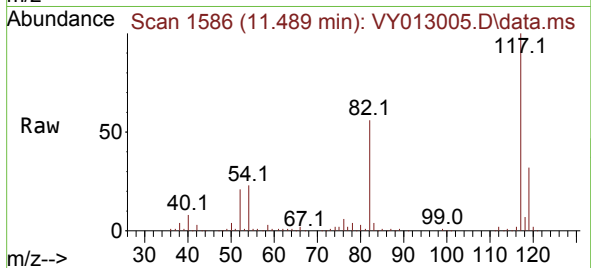




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

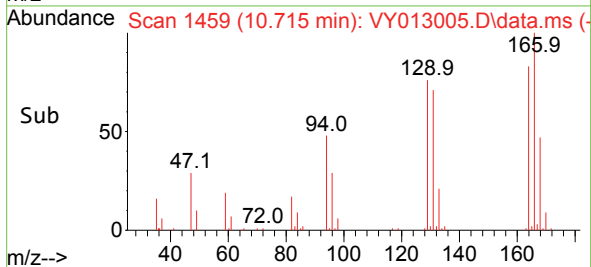
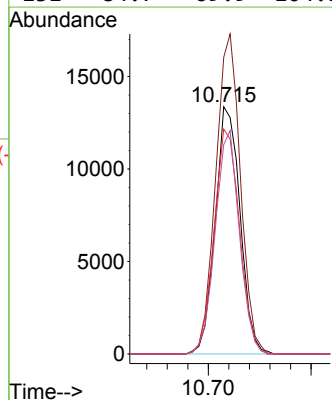
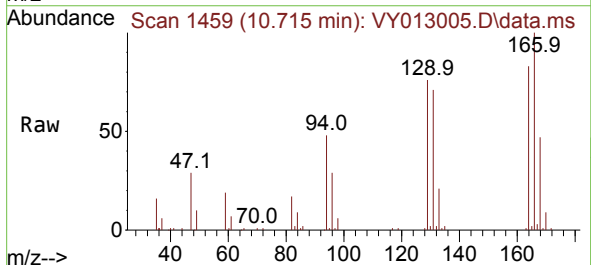
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

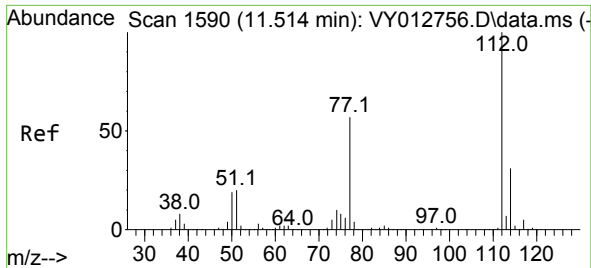
Tgt Ion:117 Resp: 148873  
Ion Ratio Lower Upper  
117 100  
82 56.3 45.4 68.0  
119 32.0 25.6 38.4



#64  
Tetrachloroethene  
Concen: 20.691 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:164 Resp: 22427  
Ion Ratio Lower Upper  
164 100  
166 120.0 103.4 155.2  
129 90.9 71.4 107.2  
131 84.7 69.9 104.9

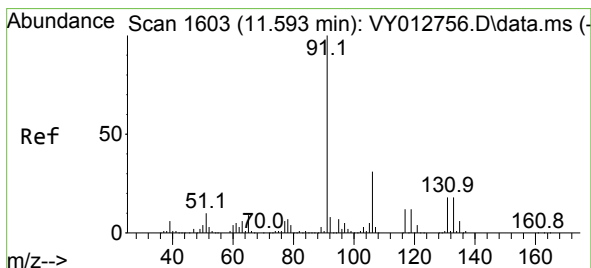
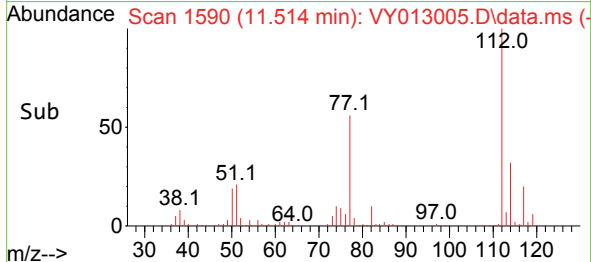
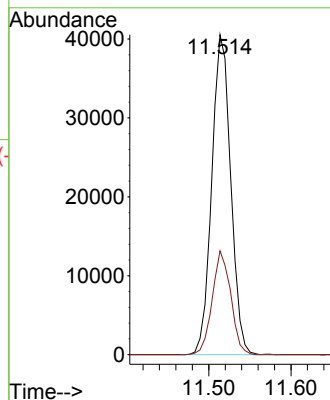
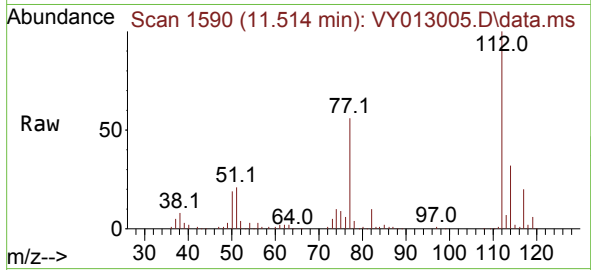




#65  
Chlorobenzene  
Concen: 20.738 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

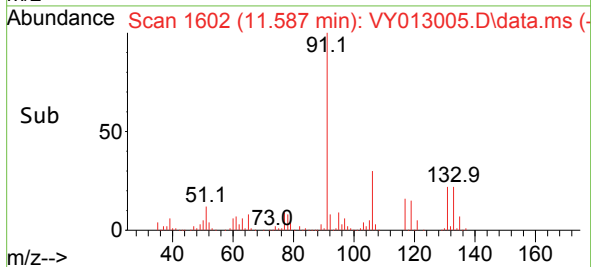
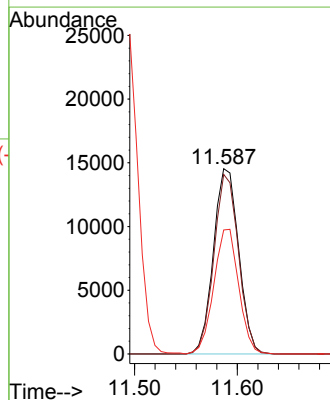
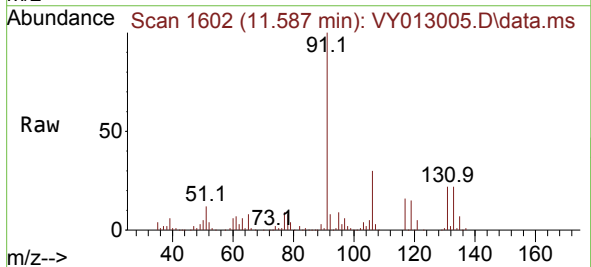
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

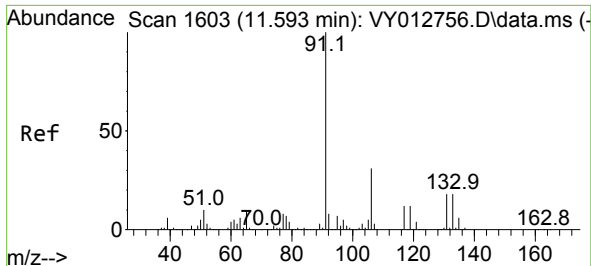
Tgt Ion:112 Resp: 64797  
Ion Ratio Lower Upper  
112 100  
114 32.5 24.5 36.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.466 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:131 Resp: 24818  
Ion Ratio Lower Upper  
131 100  
133 94.6 48.0 144.0  
119 66.6 32.6 98.0

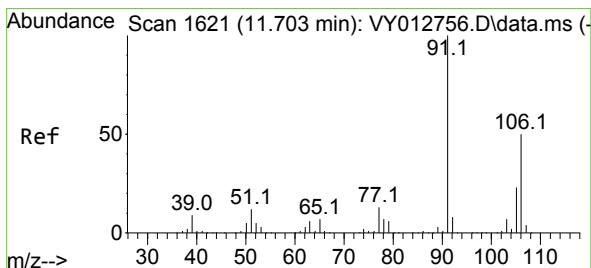
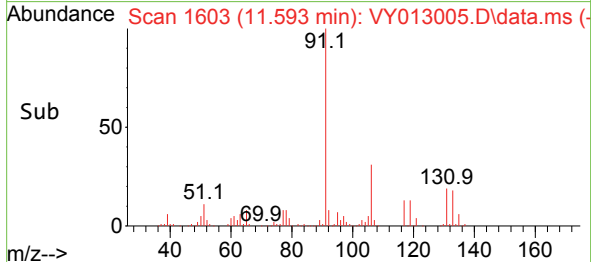
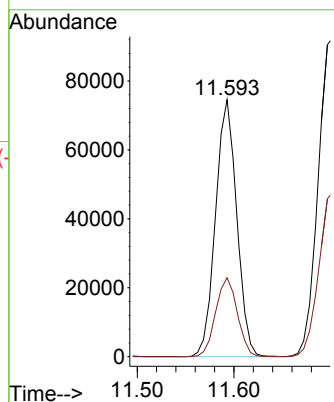
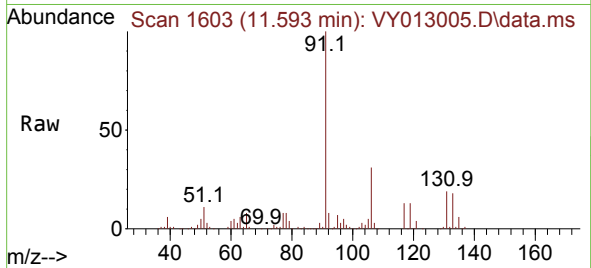




#67  
Ethyl Benzene  
Concen: 20.661 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

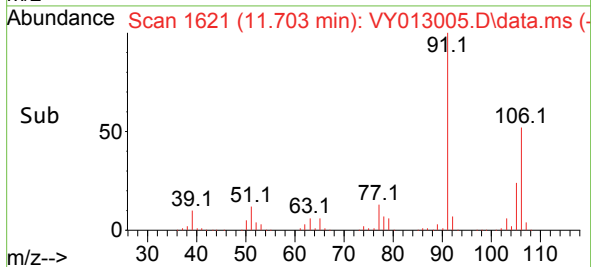
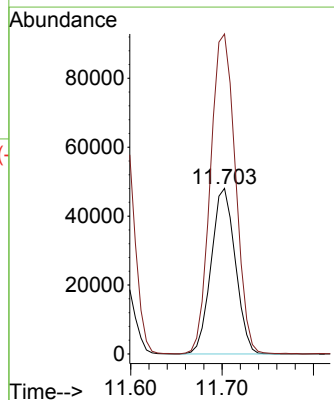
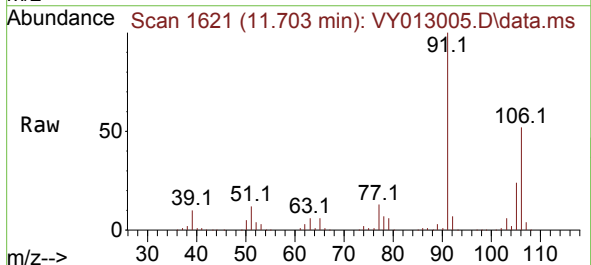
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

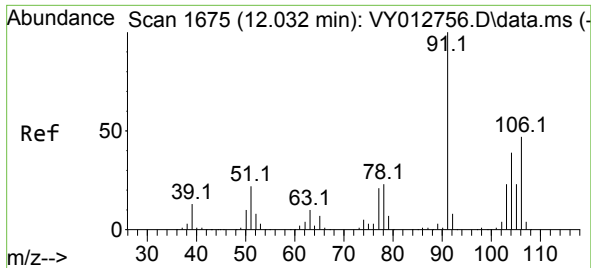
Tgt Ion: 91 Resp: 113500  
Ion Ratio Lower Upper  
91 100  
106 30.7 25.1 37.7



#68  
m/p-Xylenes  
Concen: 41.764 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:106 Resp: 88258  
Ion Ratio Lower Upper  
106 100  
91 200.2 159.8 239.8

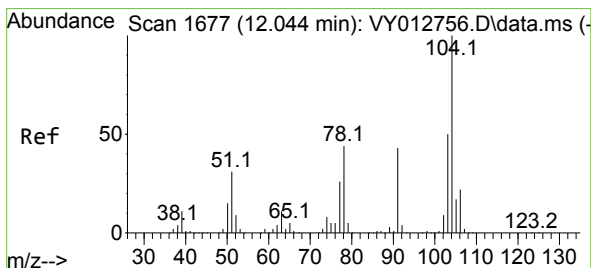
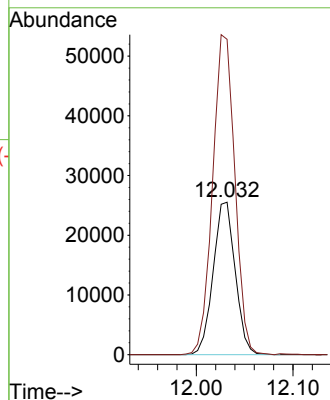
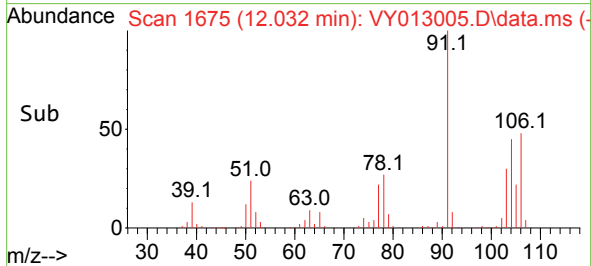
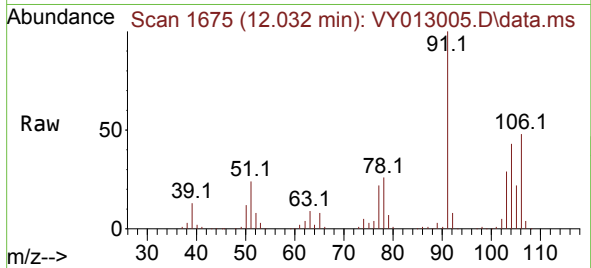




#69  
o-Xylene  
Concen: 20.490 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

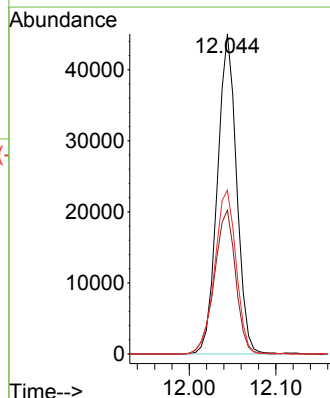
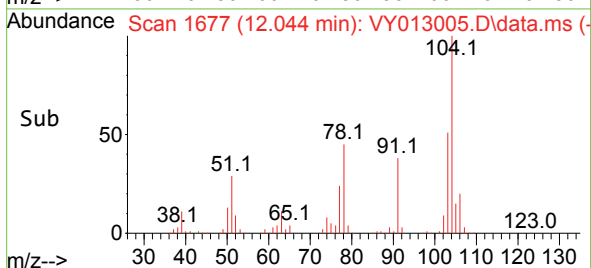
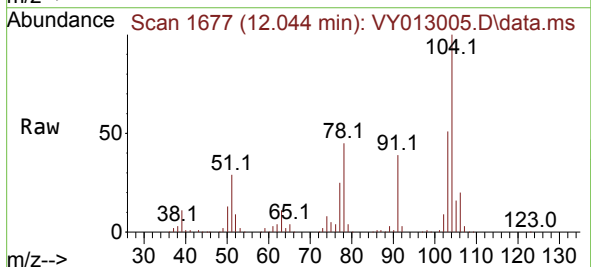
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

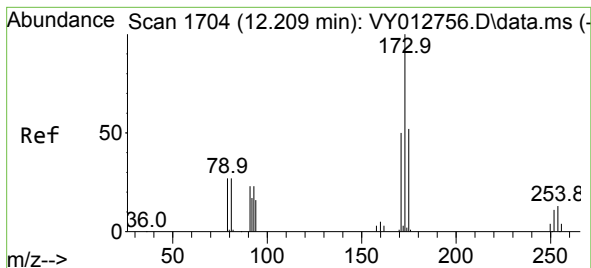
Tgt Ion:106 Resp: 40412  
Ion Ratio Lower Upper  
106 100  
91 211.5 107.2 321.6



#70  
Styrene  
Concen: 21.082 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:104 Resp: 69388  
Ion Ratio Lower Upper  
104 100  
78 49.7 39.2 58.8  
103 57.1 43.7 65.5





#71

Bromoform

Concen: 21.936 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

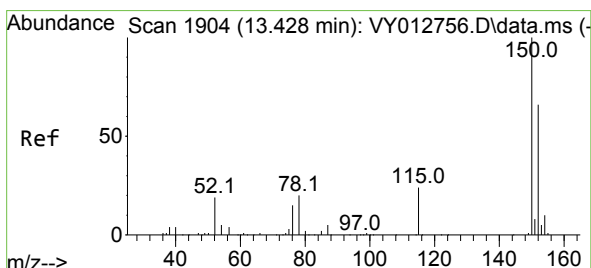
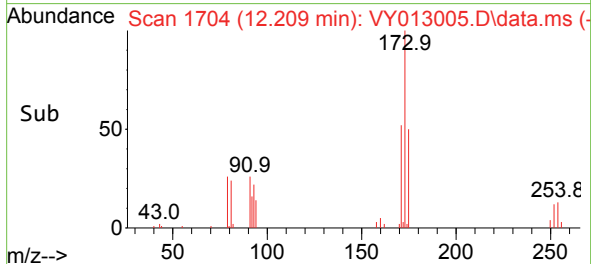
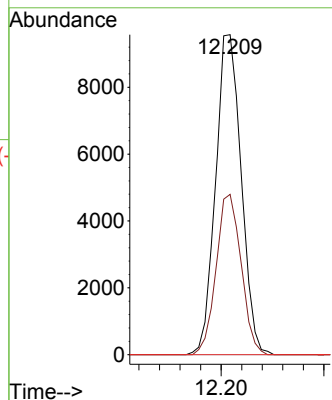
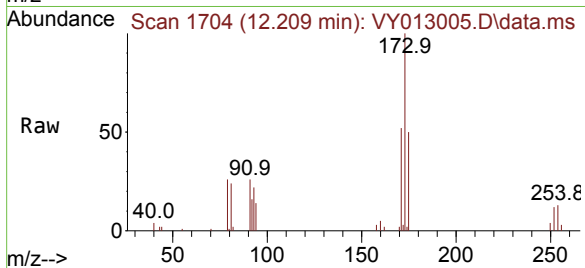
Tgt Ion:173 Resp: 16536

Ion Ratio Lower Upper

173 100

175 48.9 25.0 75.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

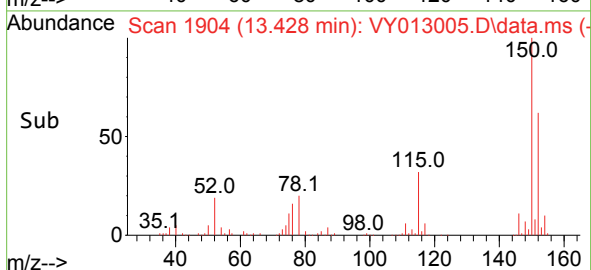
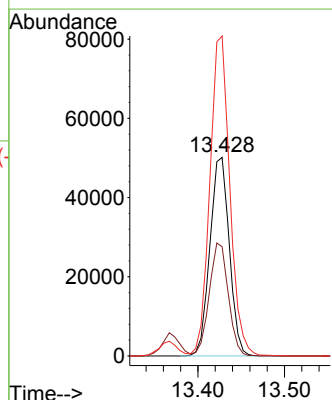
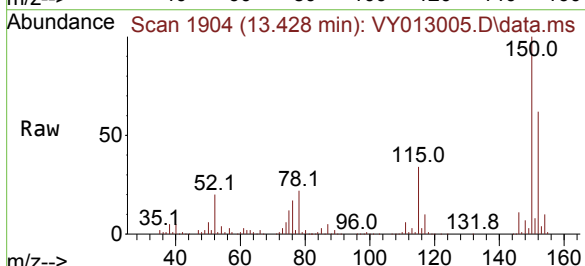
Tgt Ion:152 Resp: 78062

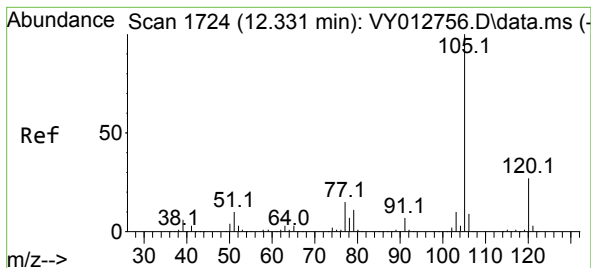
Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 165.4 0.0 347.8





#73

Isopropylbenzene

Concen: 19.703 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

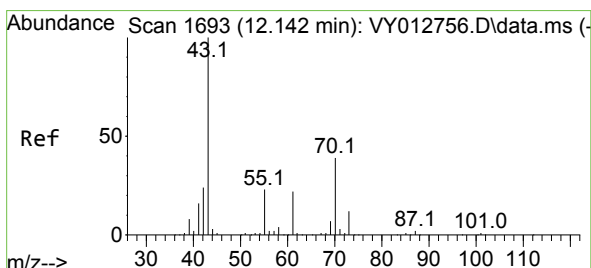
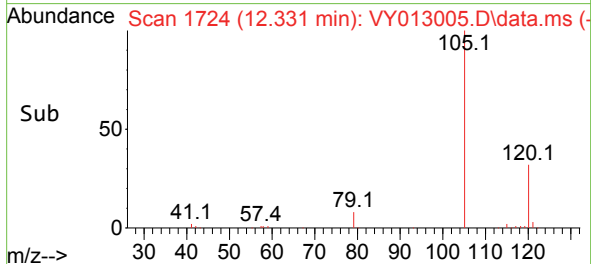
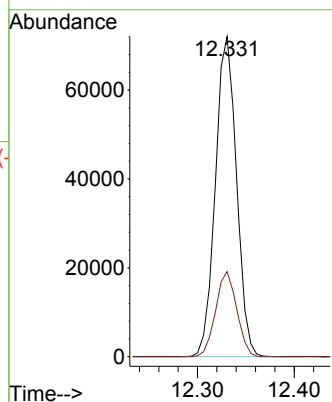
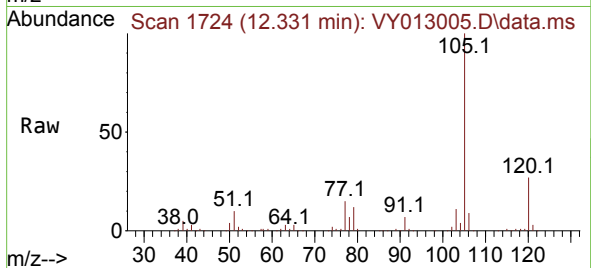
VY0320SBS01

Tgt Ion:105 Resp: 109003

Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.2



#74

N-ethyl acetate

Concen: 20.657 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Tgt Ion: 43 Resp: 35957

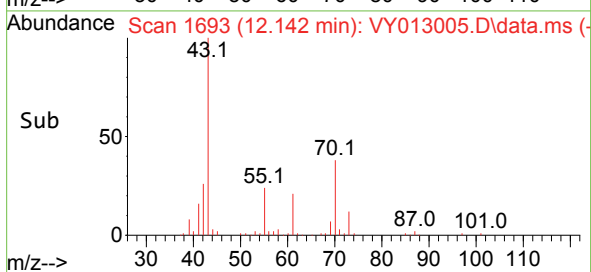
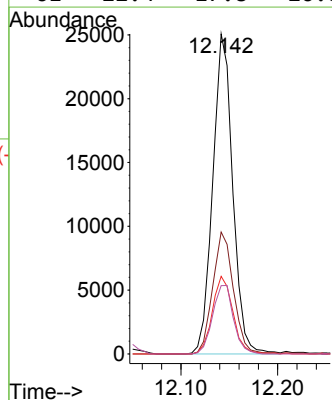
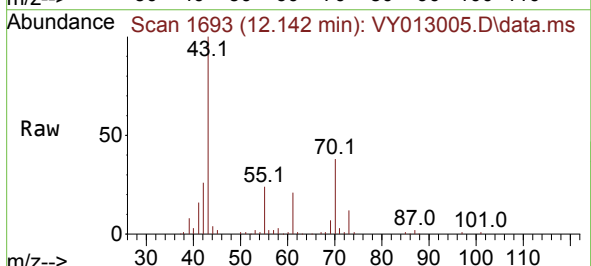
Ion Ratio Lower Upper

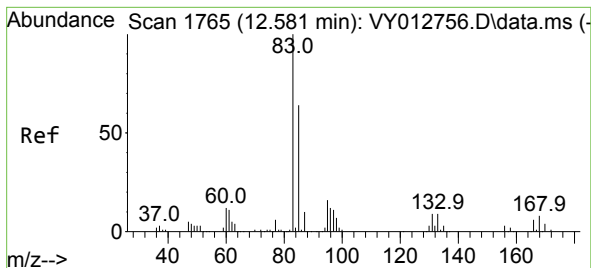
43 100

70 39.8 31.6 47.4

55 25.1 18.8 28.2

61 22.4 17.8 26.8

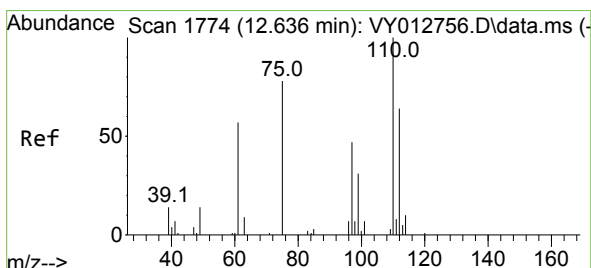
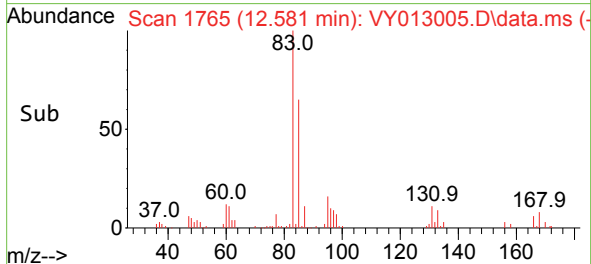
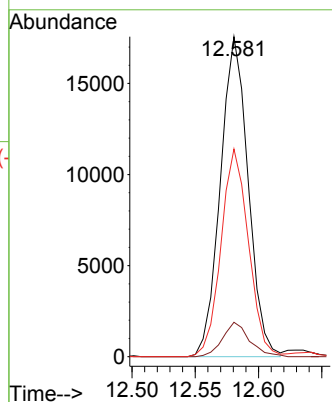
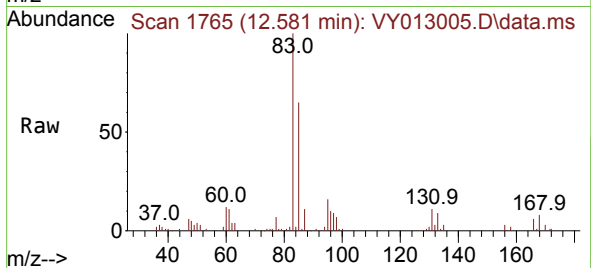




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.571 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

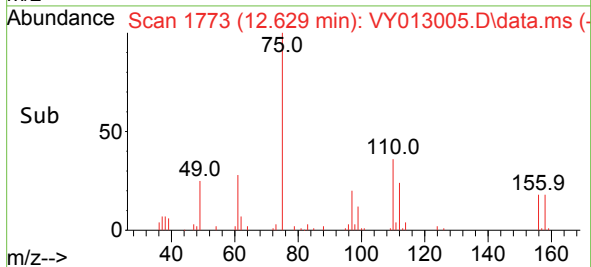
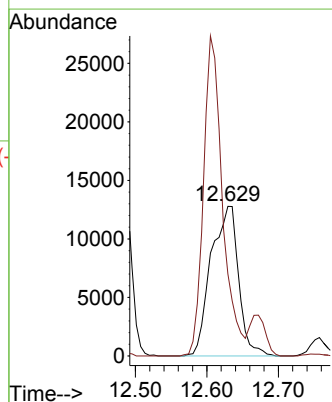
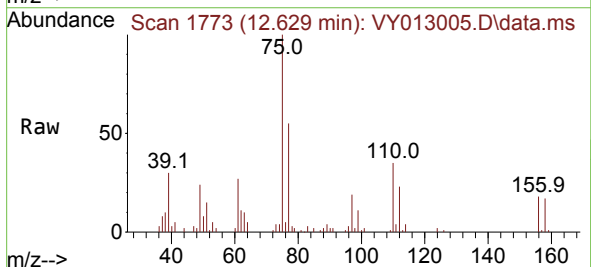
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

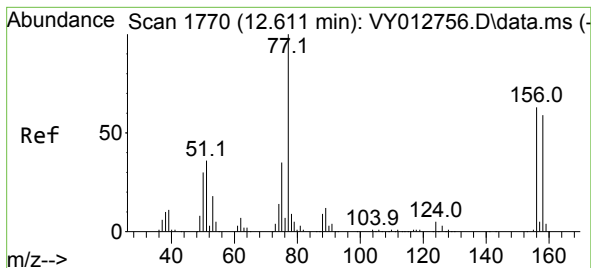
Tgt Ion: 83 Resp: 26826  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.1 15.2  
85 64.3 31.8 95.3



#76  
1,2,3-Trichloropropane  
Concen: 36.717 ug/l  
RT: 12.629 min Scan# 1773  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 75 Resp: 34227  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.128 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

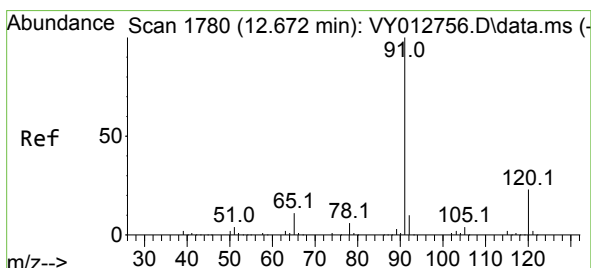
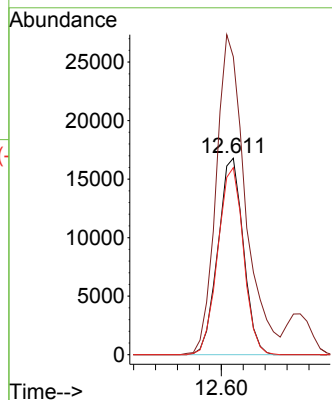
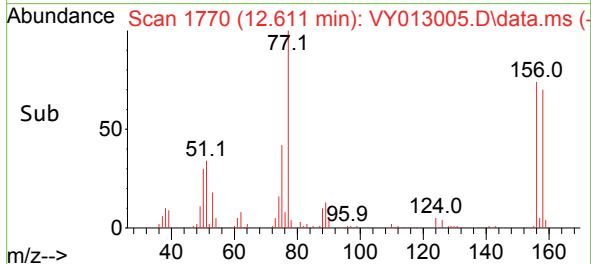
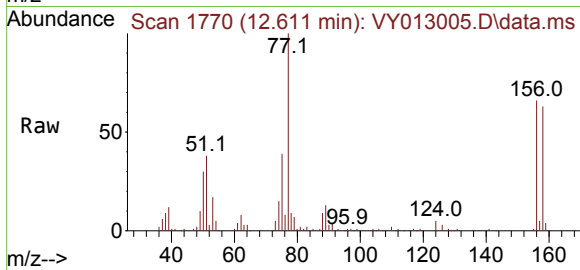
Tgt Ion:156 Resp: 27051

Ion Ratio Lower Upper

156 100

77 187.3 94.0 282.1

158 96.1 48.1 144.4



#78

n-propylbenzene

Concen: 19.859 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY013005.D

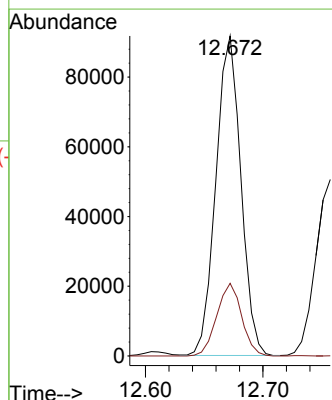
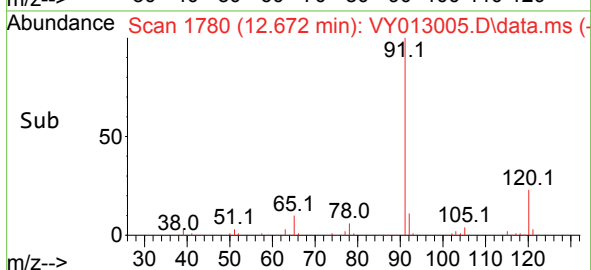
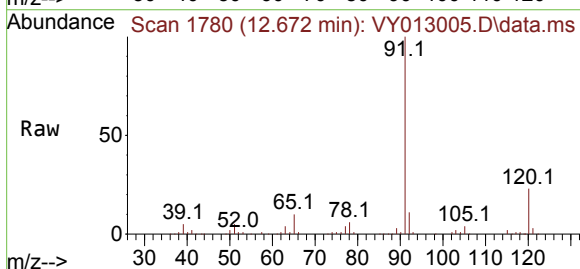
Acq: 20 Mar 2023 13:27

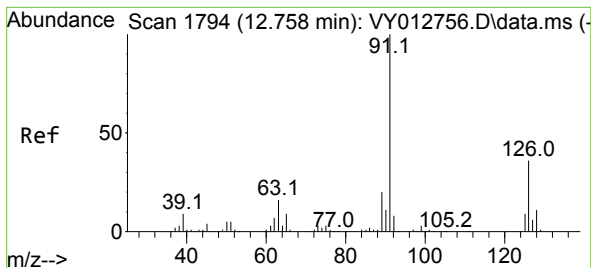
Tgt Ion: 91 Resp: 135456

Ion Ratio Lower Upper

91 100

120 22.6 11.6 34.8

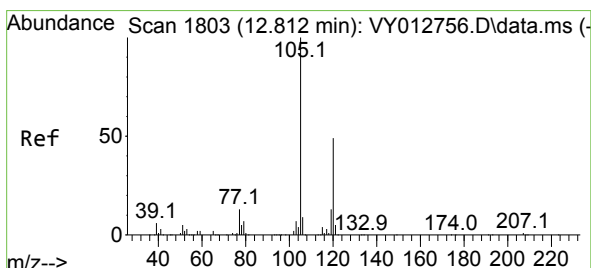
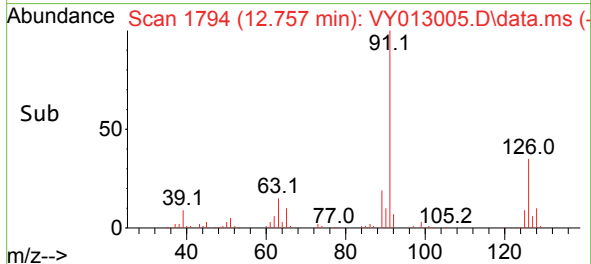
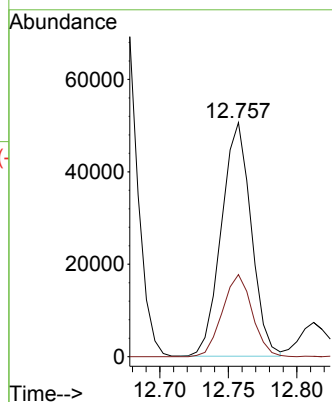
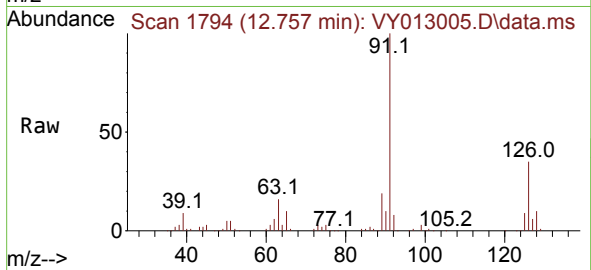




#79  
2-Chlorotoluene  
Concen: 20.228 ug/l  
RT: 12.757 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

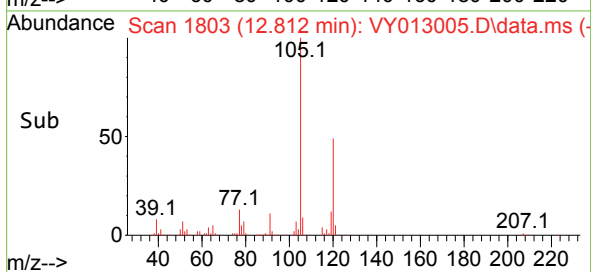
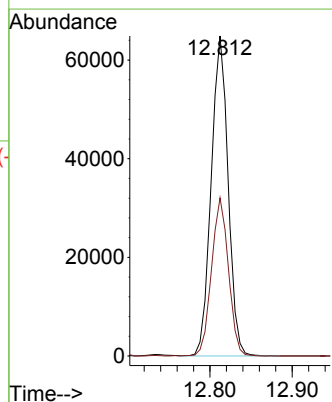
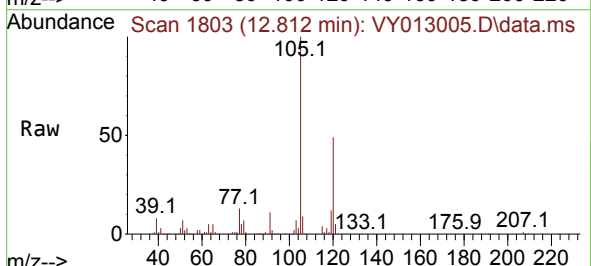
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

Tgt Ion: 91 Resp: 76682  
Ion Ratio Lower Upper  
91 100  
126 35.1 17.4 52.2



#80  
1,3,5-Trimethylbenzene  
Concen: 20.331 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion: 105 Resp: 92823  
Ion Ratio Lower Upper  
105 100  
120 49.4 24.8 74.4

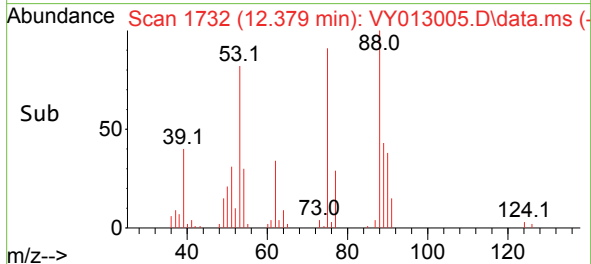
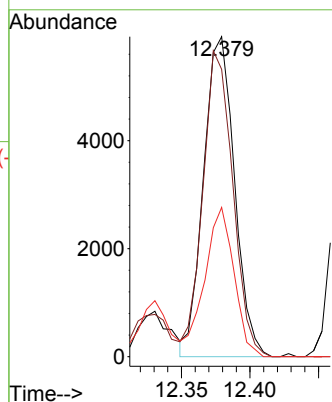
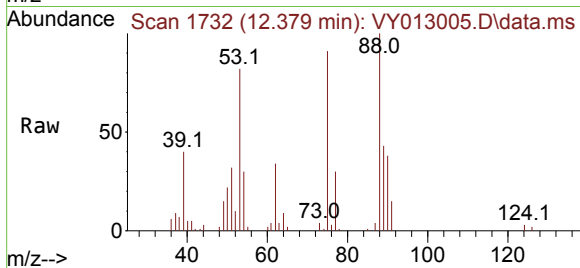




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.678 ug/l  
RT: 12.379 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

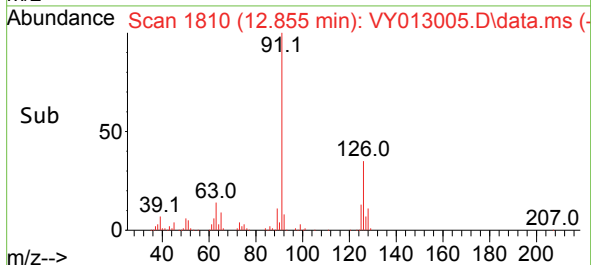
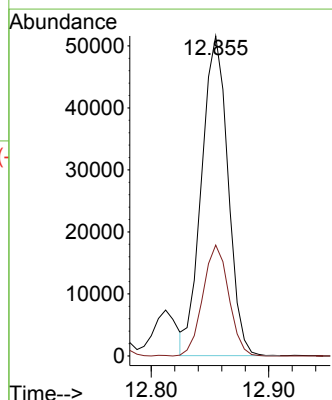
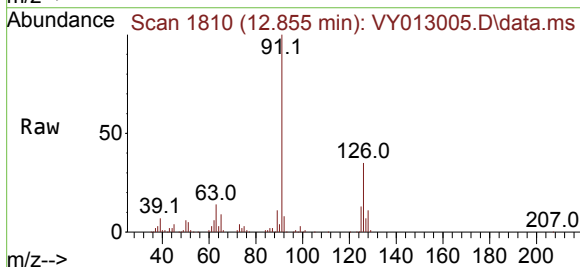
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

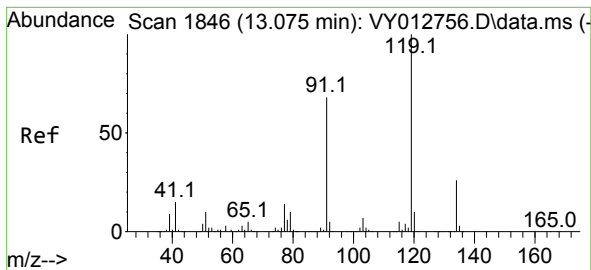
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9303  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 92.6  | 73.4  | 110.0 |
| 89       | 44.3  | 36.6  | 55.0  |



#82  
4-Chlorotoluene  
Concen: 20.483 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 80378 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 34.0  | 17.7  | 53.1  |

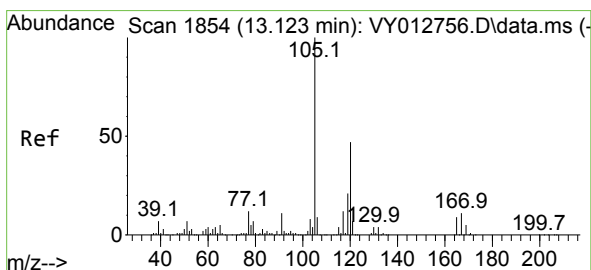
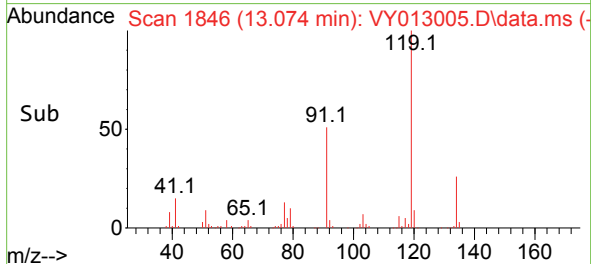
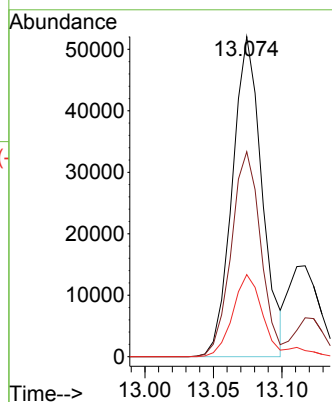
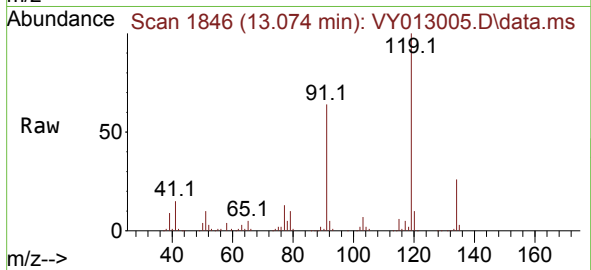




#83  
 tert-Butylbenzene  
 Concen: 19.976 ug/l  
 RT: 13.074 min Scan# 1846  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

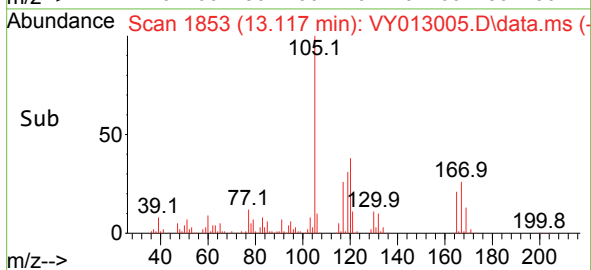
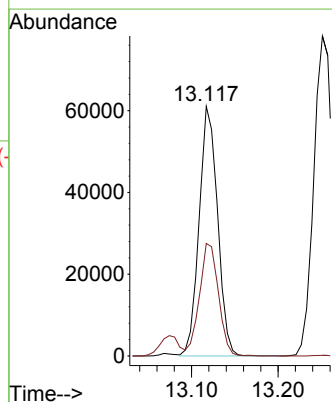
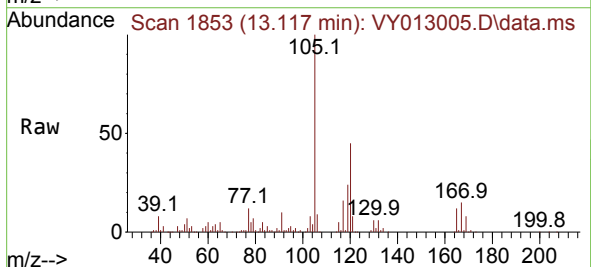
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBSD01

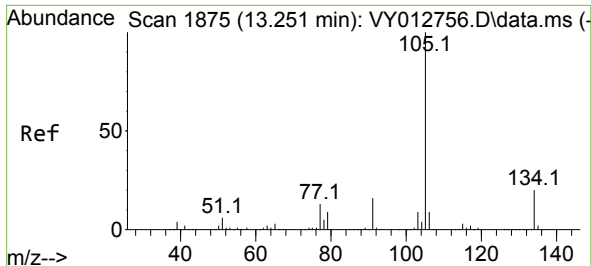
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:119 | Resp: | 78718       |
| Ion         | Ratio | Lower Upper |
| 119         | 100   |             |
| 91          | 63.4  | 32.8 98.3   |
| 134         | 27.4  | 13.6 40.8   |



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.247 ug/l  
 RT: 13.117 min Scan# 1853  
 Delta R.T. -0.006 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:105 | Resp: | 90392       |
| Ion         | Ratio | Lower Upper |
| 105         | 100   |             |
| 120         | 46.3  | 23.0 69.0   |

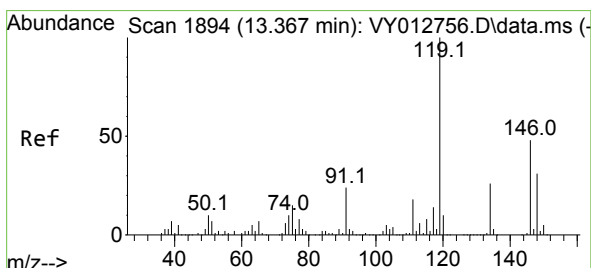
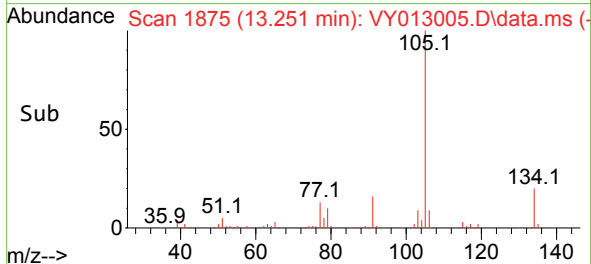
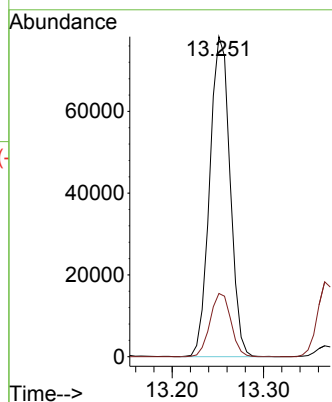
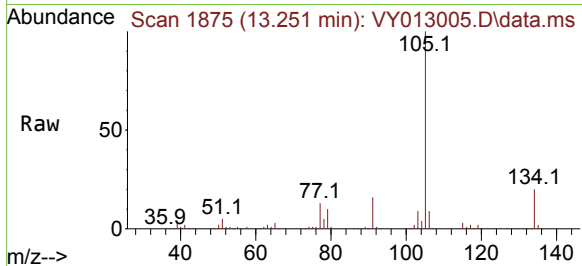




#85  
 sec-Butylbenzene  
 Concen: 20.101 ug/l  
 RT: 13.251 min Scan# 1875  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

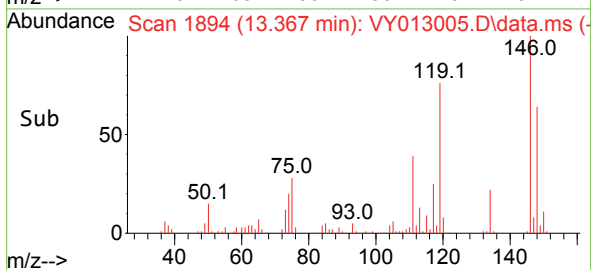
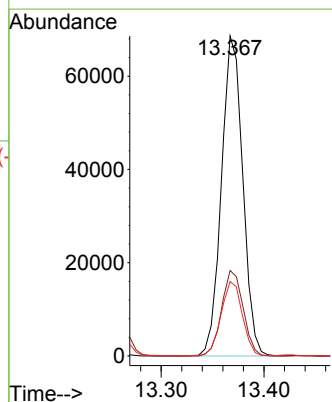
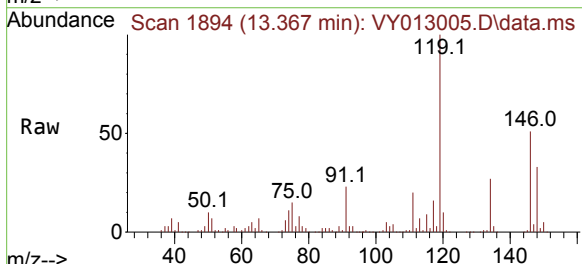
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBSD01

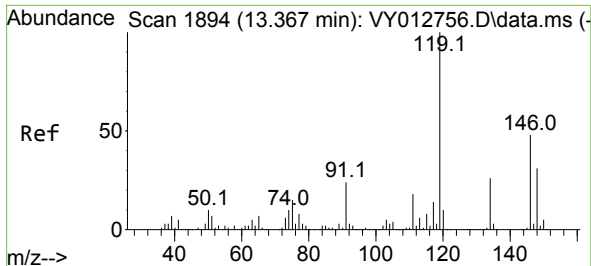
Tgt Ion:105 Resp: 120841  
 Ion Ratio Lower Upper  
 105 100  
 134 20.2 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 20.065 ug/l  
 RT: 13.367 min Scan# 1894  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

Tgt Ion:119 Resp: 98587  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.2 39.6  
 91 23.3 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 20.719 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBSD01

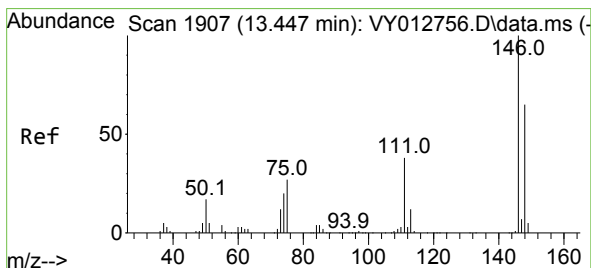
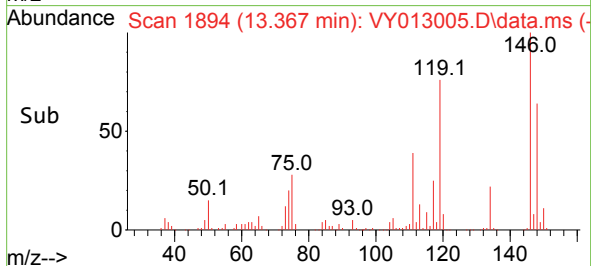
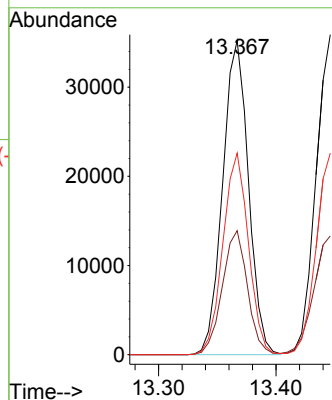
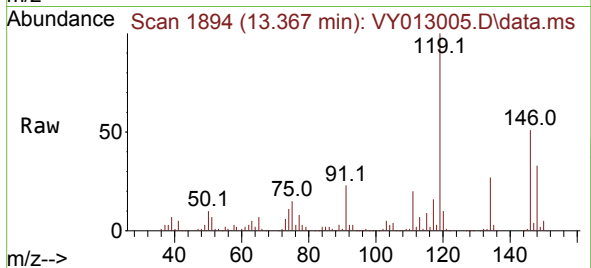
Tgt Ion:146 Resp: 53706

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.5

148 63.7 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 20.422 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

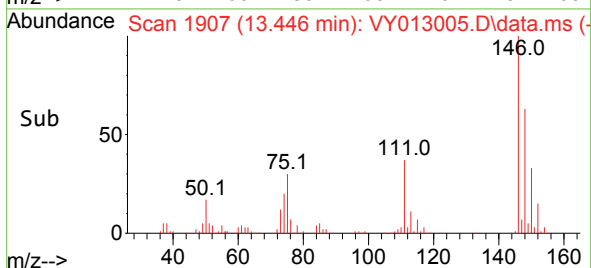
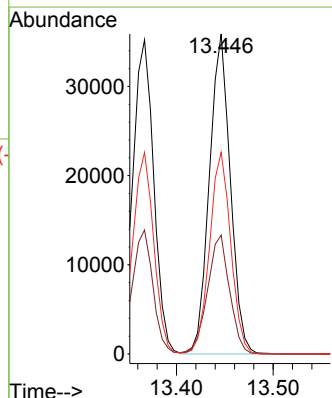
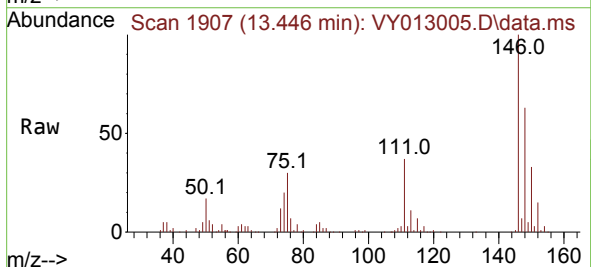
Tgt Ion:146 Resp: 54027

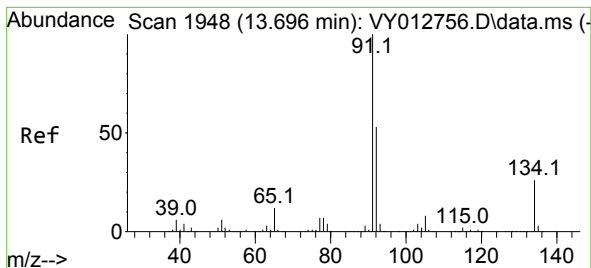
Ion Ratio Lower Upper

146 100

111 39.3 18.6 55.8

148 63.8 31.5 94.5





#89

n-Butylbenzene

Concen: 19.891 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

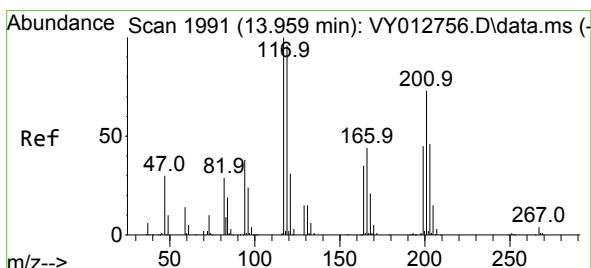
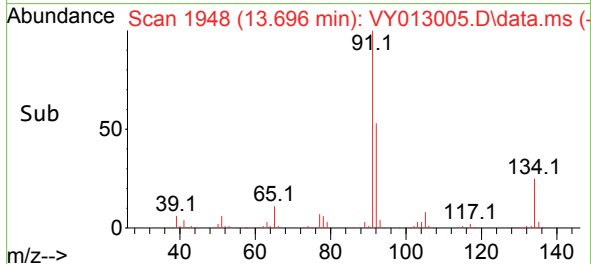
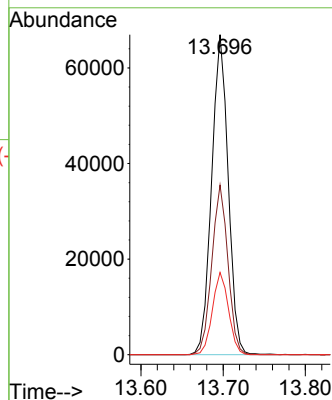
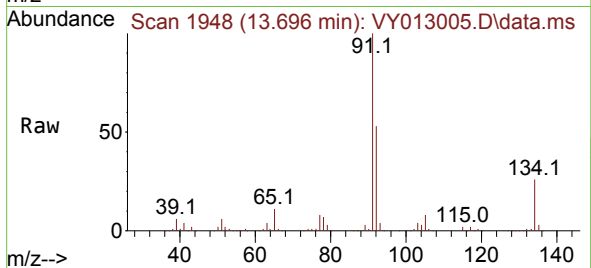
Tgt Ion: 91 Resp: 93558

Ion Ratio Lower Upper

91 100

92 51.7 26.4 79.0

134 25.0 13.0 38.9



#90

Hexachloroethane

Concen: 20.283 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY013005.D

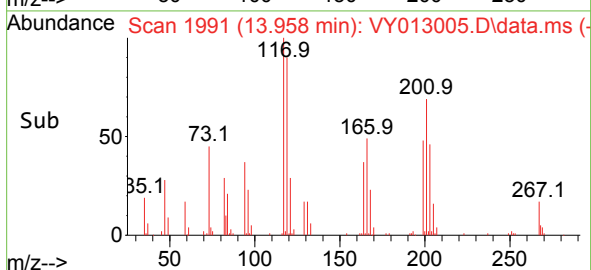
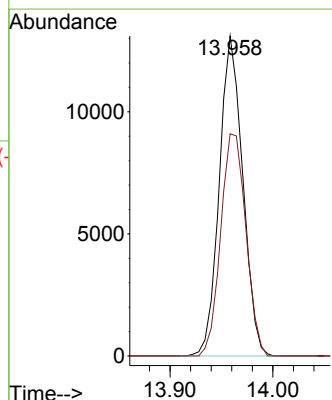
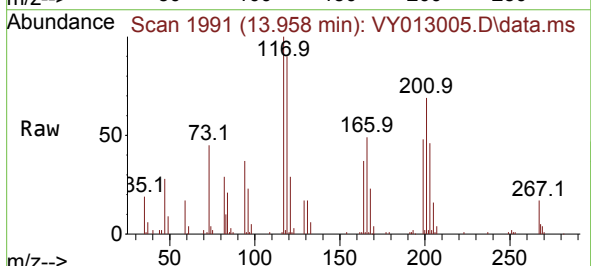
Acq: 20 Mar 2023 13:27

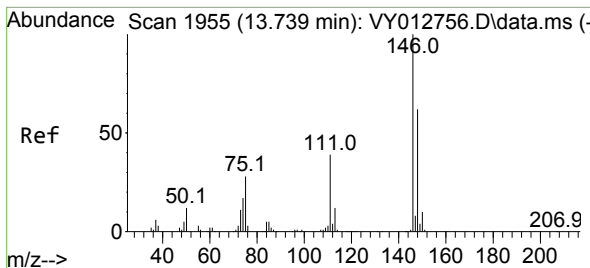
Tgt Ion: 117 Resp: 20756

Ion Ratio Lower Upper

117 100

201 74.5 39.4 118.1

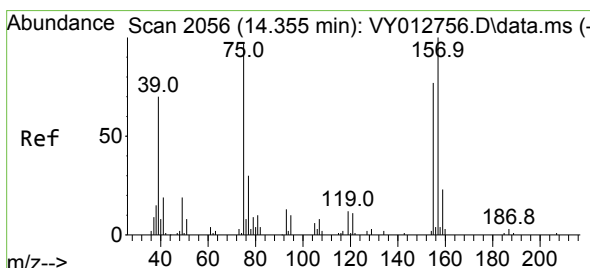
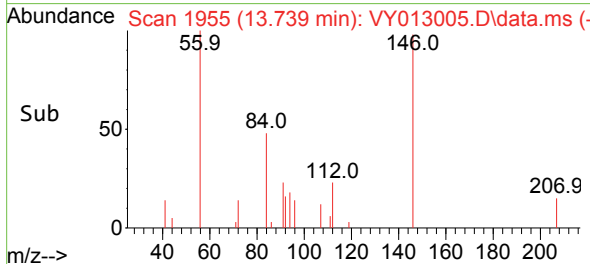
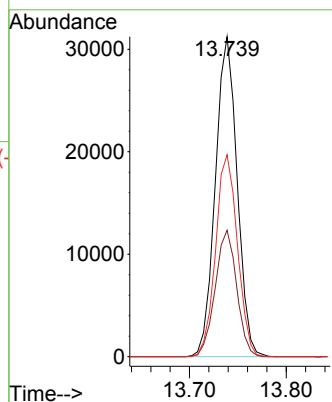
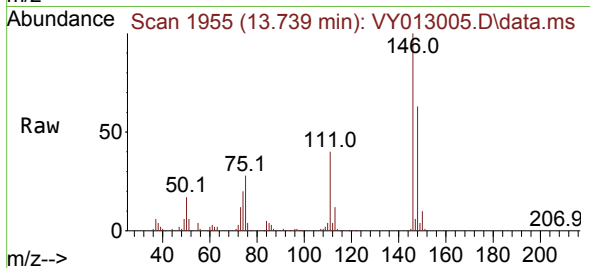




#91  
 1,2-Dichlorobenzene  
 Concen: 20.809 ug/l  
 RT: 13.739 min Scan# 1955  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

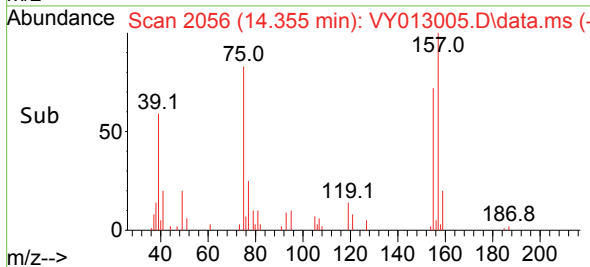
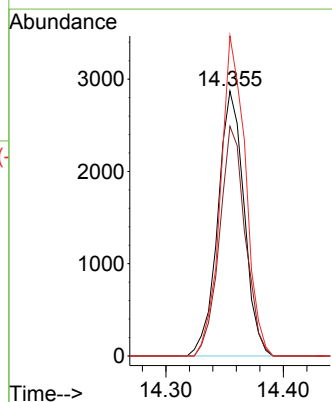
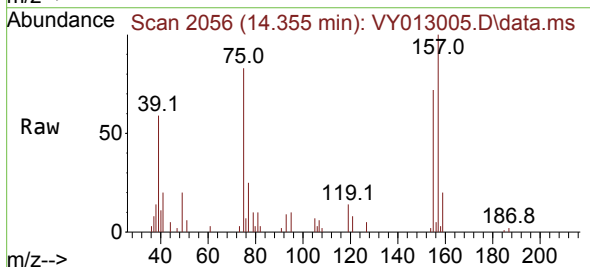
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0320SBS01

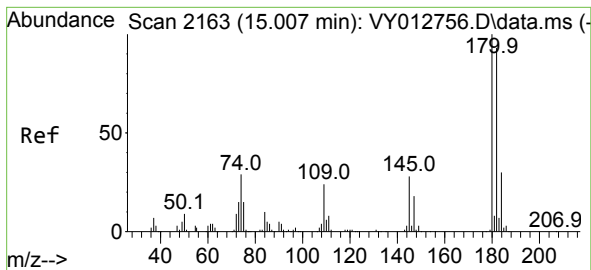
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 48759 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 39.1  | 19.7  | 59.1  |
| 148       | 63.2  | 31.9  | 95.5  |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 22.151 ug/l  
 RT: 14.355 min Scan# 2056  
 Delta R.T. -0.000 min  
 Lab File: VY013005.D  
 Acq: 20 Mar 2023 13:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 4452  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 84.8  | 43.8  | 131.4 |
| 157       | 114.7 | 54.1  | 162.3 |





#93

1,2,4-Trichlorobenzene

Concen: 19.843 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

Instrument :

MSVOA\_Y

ClientSampleId :

VY0320SBS01

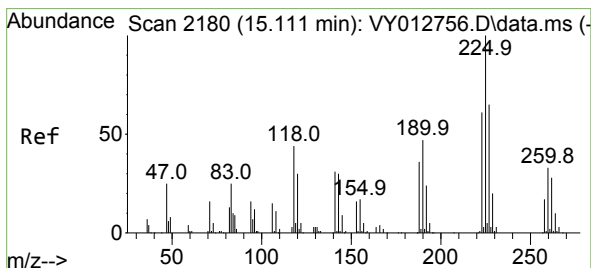
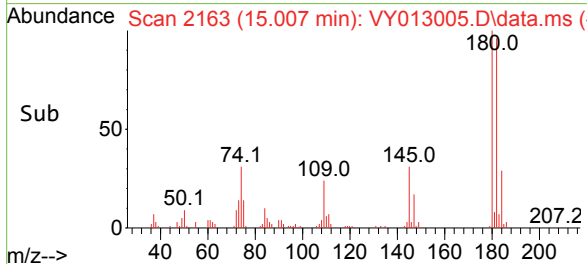
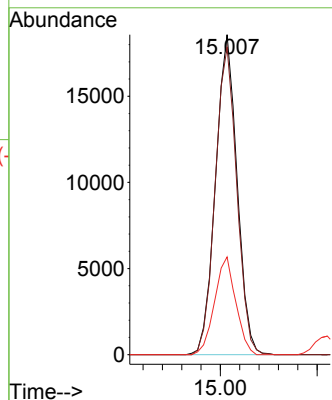
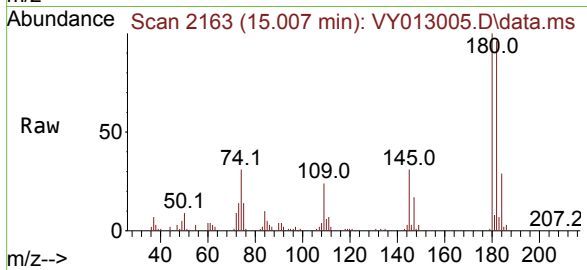
Tgt Ion:180 Resp: 28628

Ion Ratio Lower Upper

180 100

182 96.3 46.7 140.1

145 30.1 14.6 43.8



#94

Hexachlorobutadiene

Concen: 20.224 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY013005.D

Acq: 20 Mar 2023 13:27

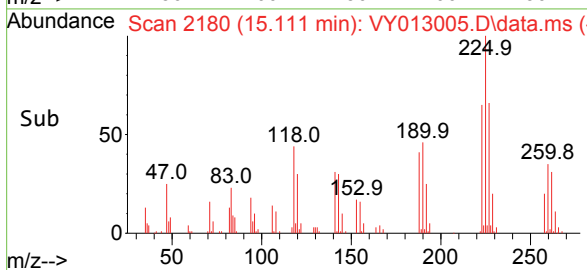
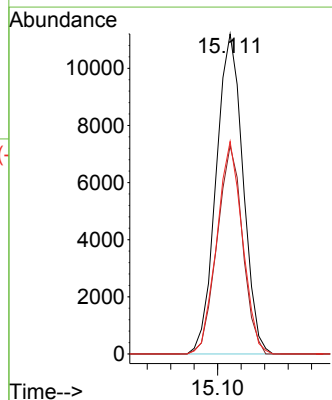
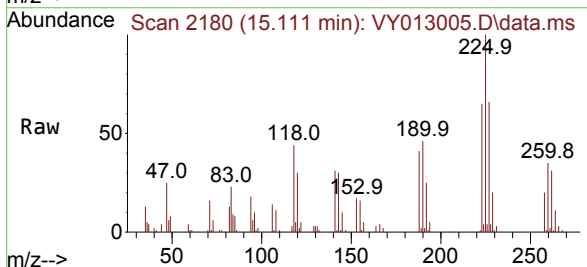
Tgt Ion:225 Resp: 17796

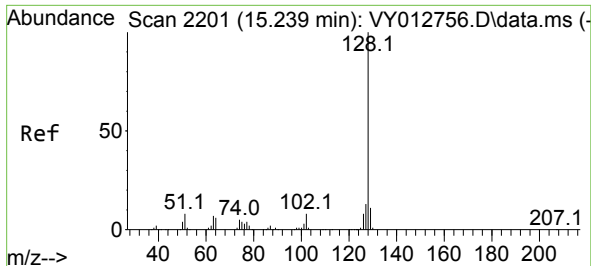
Ion Ratio Lower Upper

225 100

223 61.7 31.1 93.3

227 63.3 32.4 97.0

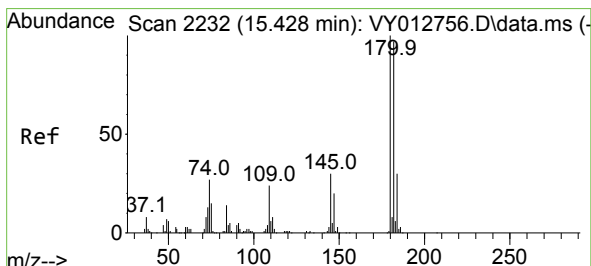
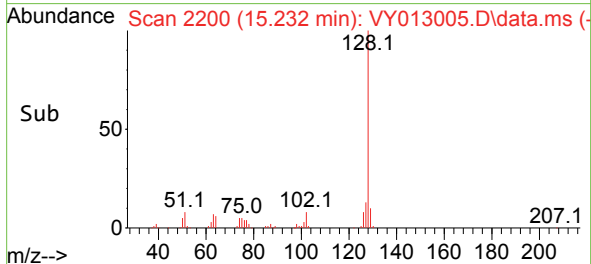
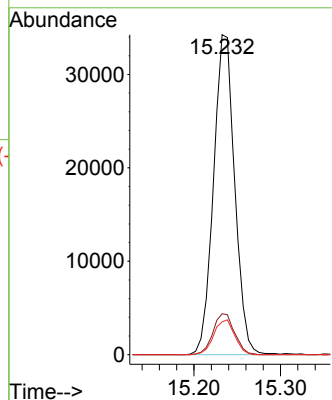
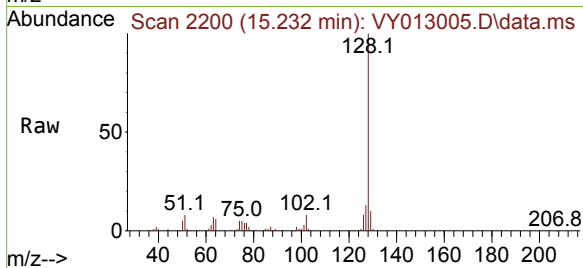




#95  
Naphthalene  
Concen: 20.162 ug/l  
RT: 15.232 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0320SBS01

Tgt Ion:128 Resp: 58289  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 10.8 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 20.318 ug/l  
RT: 15.421 min Scan# 2231  
Delta R.T. -0.006 min  
Lab File: VY013005.D  
Acq: 20 Mar 2023 13:27

Tgt Ion:180 Resp: 26070  
Ion Ratio Lower Upper  
180 100  
182 93.6 47.4 142.3  
145 30.6 15.3 45.8

