

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111822\  
 Data File : VY011496.D  
 Acq On : 18 Nov 2022 12:12  
 Operator : KP/MD  
 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 19 21:34:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 21:29:43 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 188245   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 266431   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 217662   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 95529    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 167503   | 87.964   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 175.920%# |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 197600   | 120.918  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 241.840%# |      |
| 50) Toluene-d8              | 10.179 | 98    | 775168   | 130.233  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 260.460%# |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 249620   | 114.900  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 229.800%# |      |

|                              |       |     |         |         |      |     |
|------------------------------|-------|-----|---------|---------|------|-----|
| Target Compounds             |       |     |         | Qvalue  |      |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 168190  | 137.141 | ug/l | 100 |
| 3) Chloromethane             | 2.113 | 50  | 236753  | 130.525 | ug/l | 98  |
| 4) Vinyl Chloride            | 2.253 | 62  | 304096  | 142.994 | ug/l | 99  |
| 5) Bromomethane              | 2.650 | 94  | 171253  | 109.252 | ug/l | 100 |
| 6) Chloroethane              | 2.796 | 64  | 186493  | 125.718 | ug/l | 98  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 470371  | 150.419 | ug/l | 94  |
| 8) Diethyl Ether             | 3.527 | 74  | 101361  | 100.074 | ug/l | 90  |
| 9) 1,1,2-Trichlorotrifluo... | 3.905 | 101 | 286152  | 157.643 | ug/l | 95  |
| 10) Methyl Iodide            | 4.094 | 142 | 341443  | 161.624 | ug/l | 94  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 68904   | 261.350 | ug/l | 97  |
| 12) 1,1-Dichloroethene       | 3.875 | 96  | 256652  | 154.765 | ug/l | 90  |
| 13) Acrolein                 | 3.729 | 56  | 12617   | 248.367 | ug/l | 97  |
| 14) Allyl chloride           | 4.485 | 41  | 417315  | 143.667 | ug/l | 94  |
| 15) Acrylonitrile            | 5.161 | 53  | 204574  | 369.114 | ug/l | 98  |
| 16) Acetone                  | 3.948 | 43  | 224858  | 361.837 | ug/l | 92  |
| 17) Carbon Disulfide         | 4.198 | 76  | 690924  | 151.073 | ug/l | 100 |
| 18) Methyl Acetate           | 4.479 | 43  | 107645  | 65.280  | ug/l | 94  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 482838  | 102.257 | ug/l | 99  |
| 20) Methylene Chloride       | 4.722 | 84  | 251572  | 77.455  | ug/l | 89  |
| 21) trans-1,2-Dichloroethene | 5.222 | 96  | 277653  | 145.659 | ug/l | 94  |
| 22) Diisopropyl ether        | 6.118 | 45  | 767429  | 120.712 | ug/l | 95  |
| 23) Vinyl Acetate            | 6.064 | 43  | 1845140 | 498.332 | ug/l | 96  |
| 24) 1,1-Dichloroethane       | 6.021 | 63  | 495506  | 133.485 | ug/l | 99  |
| 25) 2-Butanone               | 6.984 | 43  | 302251  | 369.273 | ug/l | 92  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 491990  | 142.419 | ug/l | 97  |
| 27) cis-1,2-Dichloroethene   | 6.990 | 96  | 296685  | 131.704 | ug/l | 95  |
| 28) Bromochloromethane       | 7.332 | 49  | 155813  | 104.334 | ug/l | 94  |
| 29) Tetrahydrofuran          | 7.344 | 42  | 173596  | 376.999 | ug/l | 93  |
| 30) Chloroform               | 7.508 | 83  | 484421  | 125.601 | ug/l | 100 |
| 31) Cyclohexane              | 7.789 | 56  | 502190  | 157.804 | ug/l | 97  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 507870  | 147.092 | ug/l | 97  |
| 36) 1,1-Dichloropropene      | 7.923 | 75  | 431696  | 168.800 | ug/l | 99  |
| 37) Ethyl Acetate            | 7.076 | 43  | 122360  | 83.954  | ug/l | 97  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 472726  | 165.974 | ug/l | 100 |
| 39) Methylcyclohexane        | 9.185 | 83  | 543680  | 190.299 | ug/l | 94  |
| 40) Benzene                  | 8.161 | 78  | 1097453 | 147.203 | ug/l | 97  |

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 Sample : VSTDIC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 19 21:34:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 21:29:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 168202   | 248.378  | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.240  | 62   | 245514   | 106.696  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 240812   | 91.356   | ug/l   | 92       |
| 44) Trichloroethene           | 8.941  | 130  | 302282   | 150.730  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 251556   | 131.836  | ug/l   | 95       |
| 46) Dibromomethane            | 9.307  | 93   | 108894   | 101.999  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 331445   | 123.357  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 115786   | 98.725   | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 22636    | 1725.925 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 627776   | 427.843  | ug/l   | 94       |
| 52) Toluene                   | 10.246 | 92   | 708832   | 150.639  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 304633   | 113.556  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 374623   | 123.830  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.648 | 97   | 156042   | 102.821  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 199392   | 104.767  | ug/l # | 85       |
| 57) 1,3-Dichloropropane       | 10.794 | 76   | 268479   | 103.397  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.782  | 63   | 454663   | 487.271  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.831 | 43   | 442563   | 421.752  | ug/l   | 92       |
| 60) Dibromochloromethane      | 10.983 | 129  | 201575   | 107.836  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.093 | 107  | 136836   | 98.056   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 278001   | 155.586  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.520 | 112  | 688558   | 150.915  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.593 | 131  | 249463   | 143.883  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 1410286  | 171.655  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.703 | 106  | 1064104  | 339.253  | ug/l   | 96       |
| 69) o-Xylene                  | 12.032 | 106  | 479442   | 163.875  | ug/l   | 96       |
| 70) Styrene                   | 12.044 | 104  | 768750   | 154.655  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 111382   | 105.497  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 1400015  | 202.868  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.148 | 43   | 205790   | 120.326  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 158170   | 116.558  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.636 | 75   | 214380   | 181.072  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 252277   | 155.918  | ug/l   | 94       |
| 78) n-propylbenzene           | 12.672 | 91   | 1658658  | 196.729  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 851578   | 179.056  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 1091247  | 187.651  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 52180    | 111.804  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 852005   | 171.639  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 1020029  | 201.099  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 1029561  | 178.960  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.257 | 105  | 1483654  | 195.885  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 1192803  | 188.876  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 512135   | 155.857  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 482734   | 147.320  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 1096751  | 188.729  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.959 | 117  | 218818   | 172.402  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 408722   | 140.645  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 21367    | 95.233   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 214518   | 134.121  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 159532   | 158.481  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 330990   | 109.974  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 163398   | 119.412  | ug/l   | 98       |

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Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

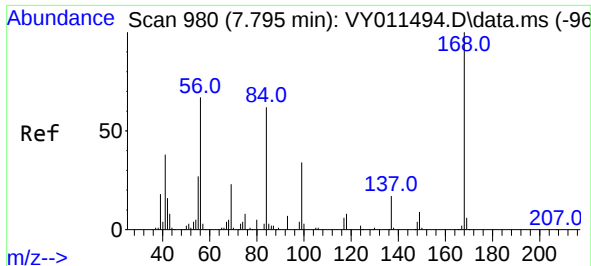
Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 19 21:34:09 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
Quant Title : SW846 8260  
QLast Update : Sat Nov 19 21:29:43 2022  
Response via : Initial Calibration

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

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

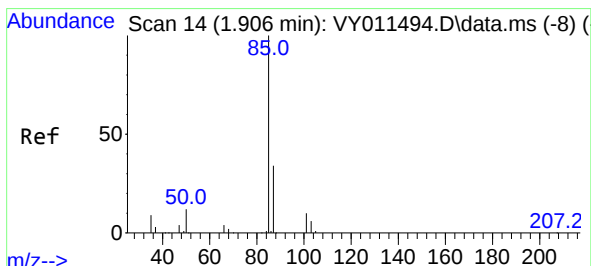
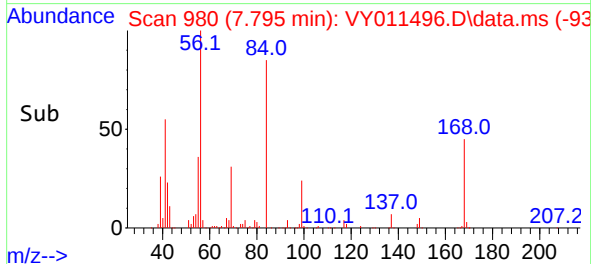
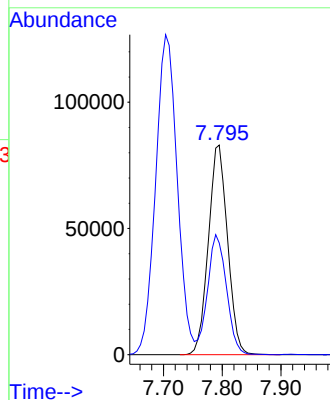
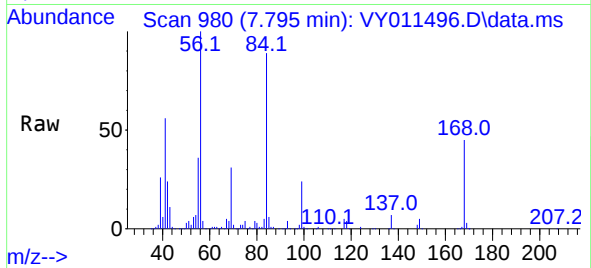




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

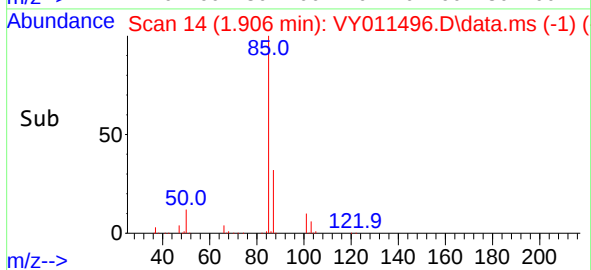
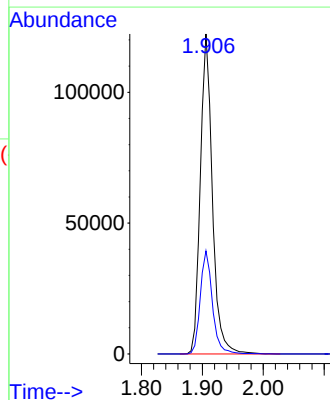
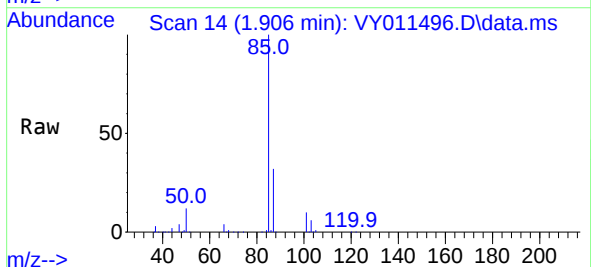
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:168 Resp: 188245  
Ion Ratio Lower Upper  
168 100  
99 53.3 46.9 70.3

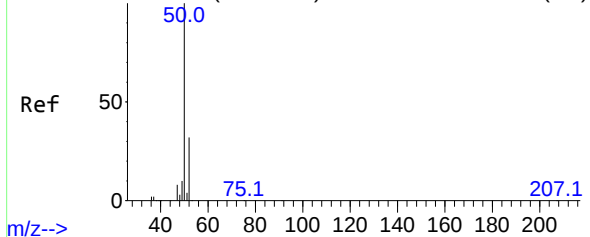


#2  
Dichlorodifluoromethane  
Concen: 137.141 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 85 Resp: 168190  
Ion Ratio Lower Upper  
85 100  
87 32.2 16.1 48.2



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: 130.525 ug/l

RT: 2.113 min Scan# 49

Delta R.T. -0.006 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

ClientSampleId :

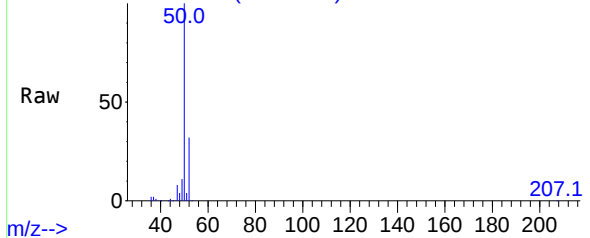
Tgt Ion: 50 Resp: 236753

Ion Ratio Lower Upper

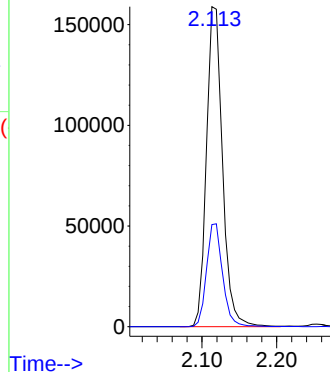
50 100

52 31.9 24.6 37.0

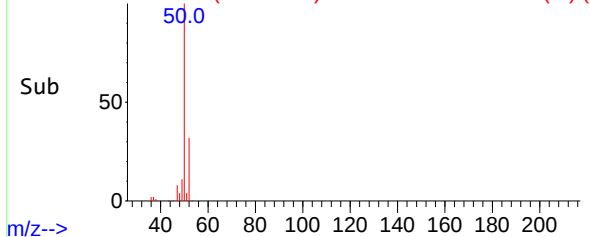
Abundance Scan 48 (2.113 min): VY011496.D\data.ms



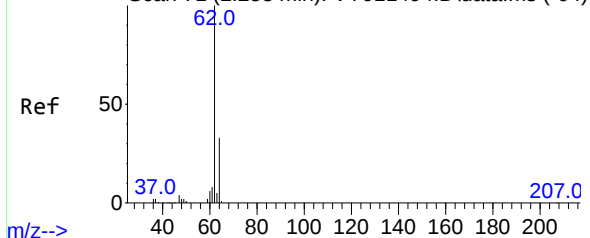
Abundance



Abundance Scan 48 (2.113 min): VY011496.D\data.ms (-1)



Abundance Scan 71 (2.253 min): VY011494.D\data.ms (-64)



#4

Vinyl Chloride

Concen: 142.994 ug/l

RT: 2.253 min Scan# 71

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

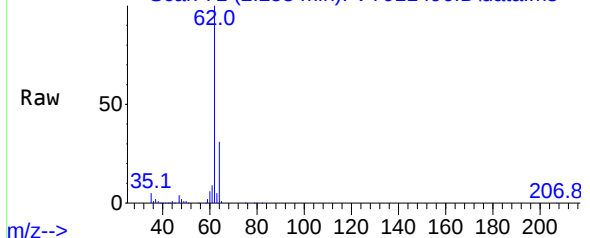
Tgt Ion: 62 Resp: 304096

Ion Ratio Lower Upper

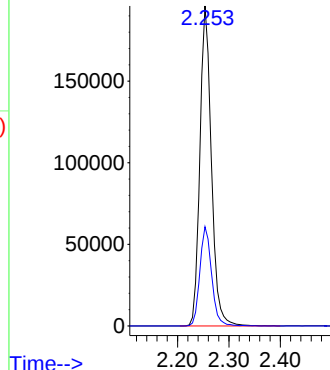
62 100

64 31.0 25.0 37.6

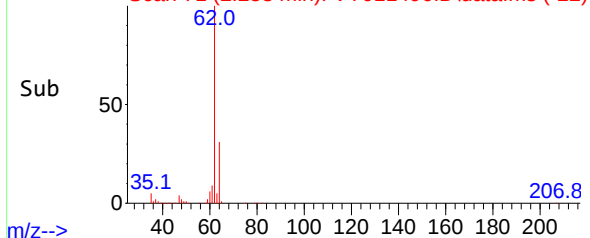
Abundance Scan 71 (2.253 min): VY011496.D\data.ms

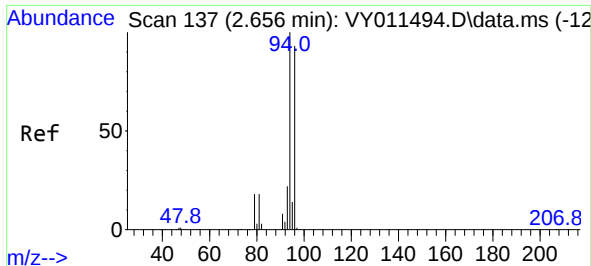


Abundance



Abundance Scan 71 (2.253 min): VY011496.D\data.ms (-22)

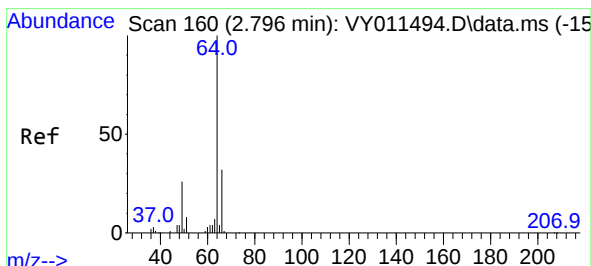
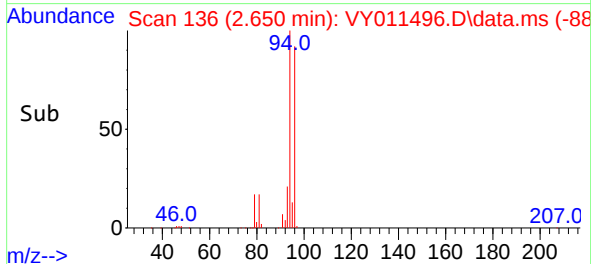
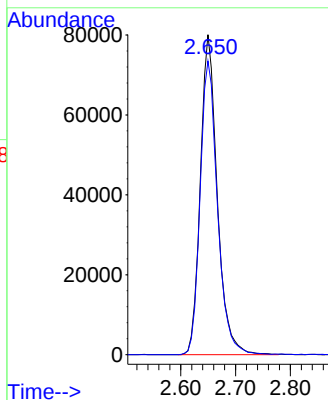
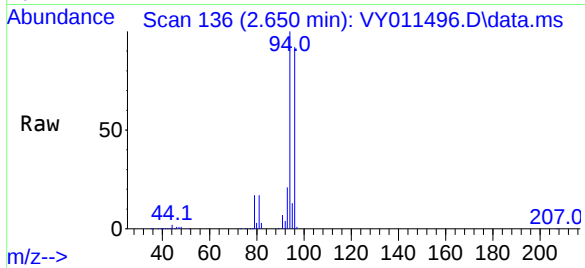




#5  
Bromomethane  
Concen: 109.252 ug/l  
RT: 2.650 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

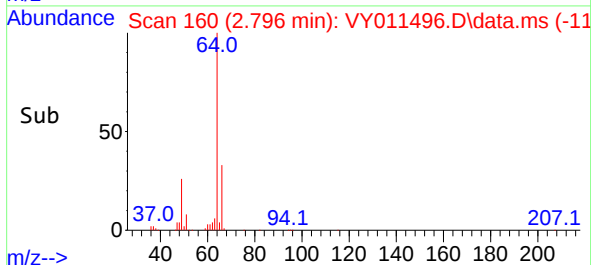
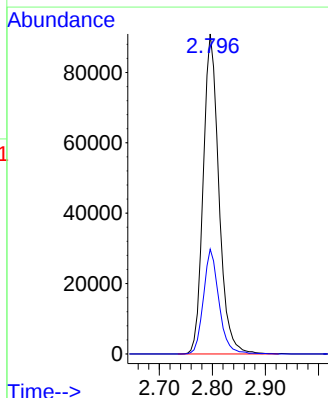
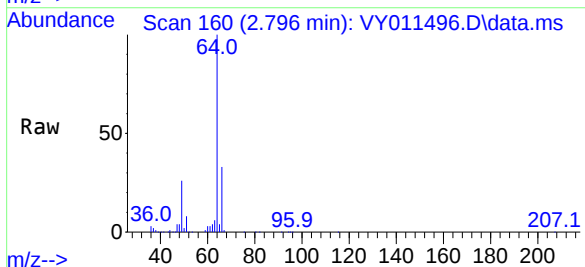
Instrument :  
MSVOA\_Y  
ClientSampleId :

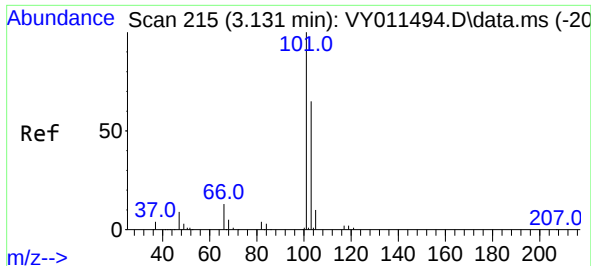
Tgt Ion: 94 Resp: 171253  
Ion Ratio Lower Upper  
94 100  
96 91.7 73.5 110.3



#6  
Chloroethane  
Concen: 125.718 ug/l  
RT: 2.796 min Scan# 160  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

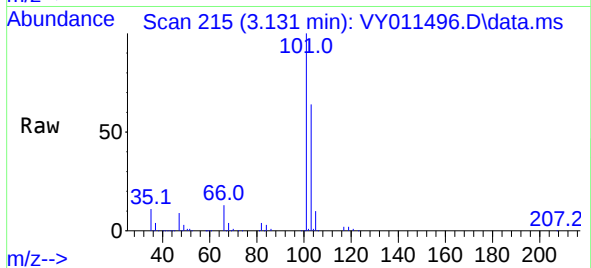
Tgt Ion: 64 Resp: 186493  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.4 38.0



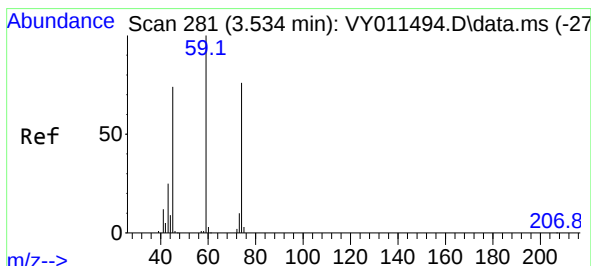
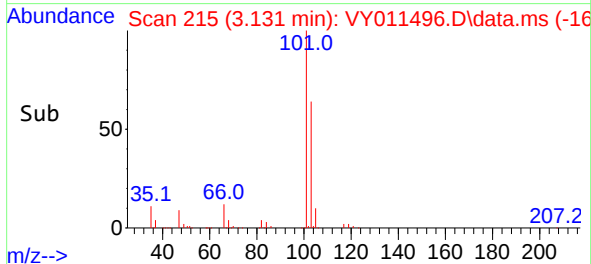
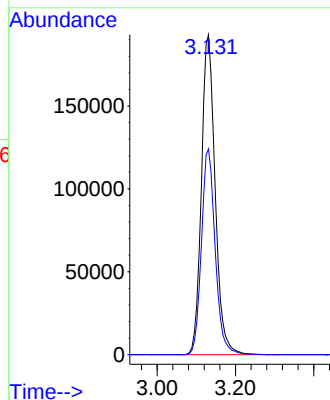


#7  
Trichlorofluoromethane  
Concen: 150.419 ug/l  
RT: 3.131 min Scan# 215  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

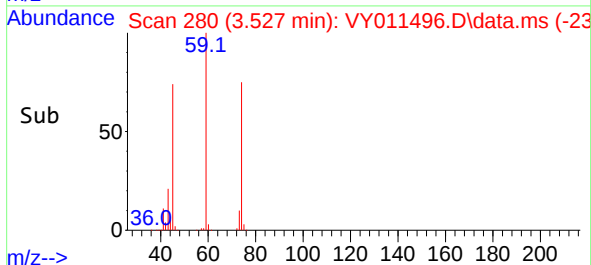
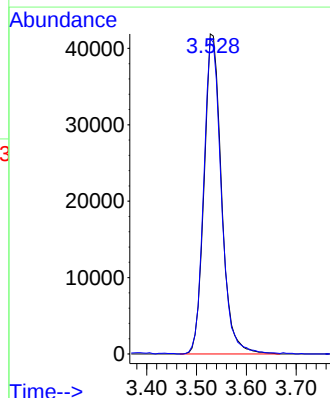
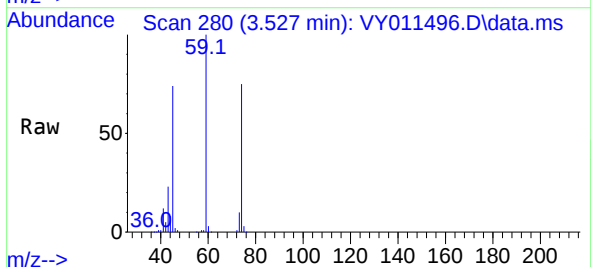


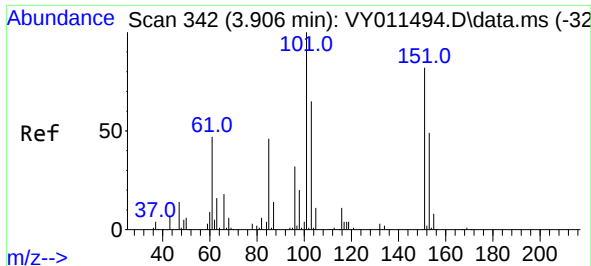
Tgt Ion:101 Resp: 470371  
Ion Ratio Lower Upper  
101 100  
103 64.3 48.0 72.0



#8  
Diethyl Ether  
Concen: 100.074 ug/l  
RT: 3.527 min Scan# 280  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 74 Resp: 101361  
Ion Ratio Lower Upper  
74 100  
45 99.7 55.1 165.5

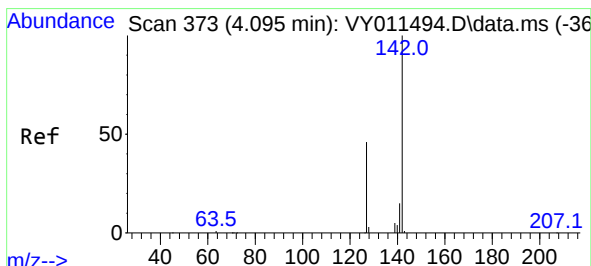
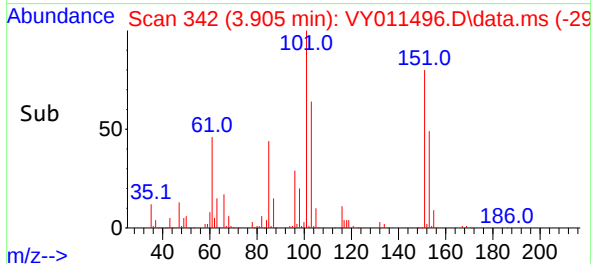
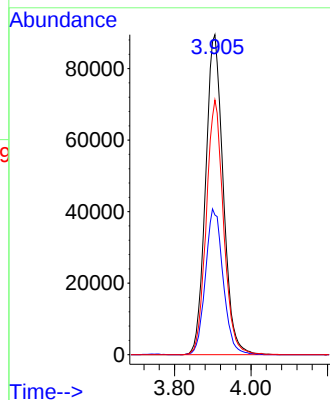
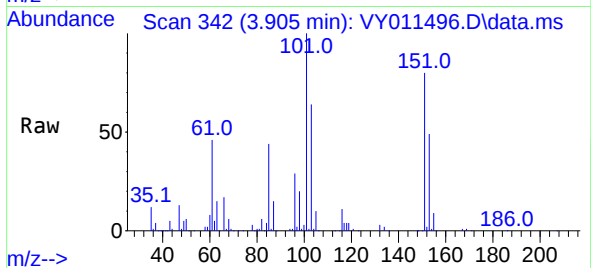




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 157.643 ug/l  
RT: 3.905 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

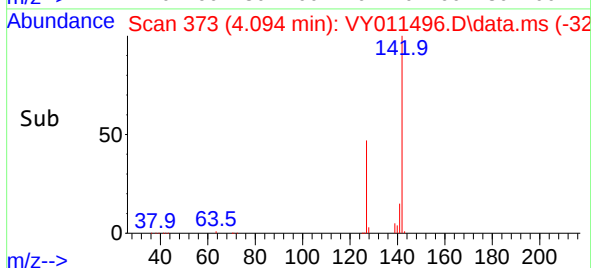
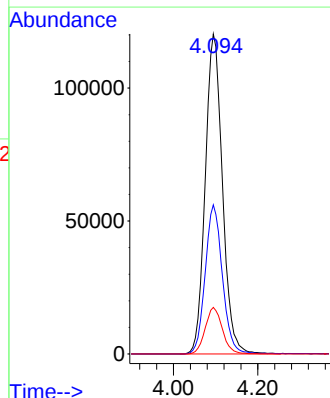
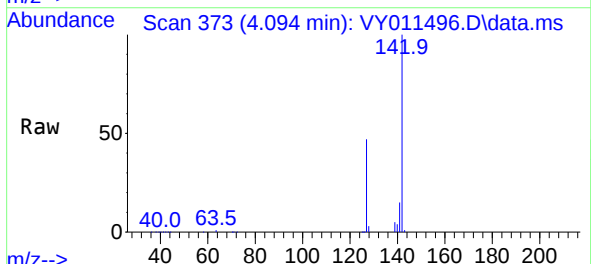
Instrument :  
MSVOA\_Y  
ClientSampleId :

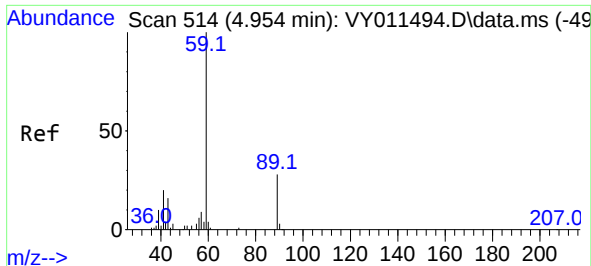
Tgt Ion:101 Resp: 286152  
Ion Ratio Lower Upper  
101 100  
85 45.7 40.6 60.8  
151 78.0 64.9 97.3



#10  
Methyl Iodide  
Concen: 161.624 ug/l  
RT: 4.094 min Scan# 373  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

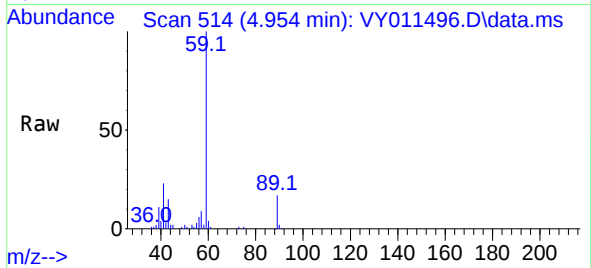
Tgt Ion:142 Resp: 341443  
Ion Ratio Lower Upper  
142 100  
127 46.6 41.5 62.3  
141 14.6 11.9 17.9



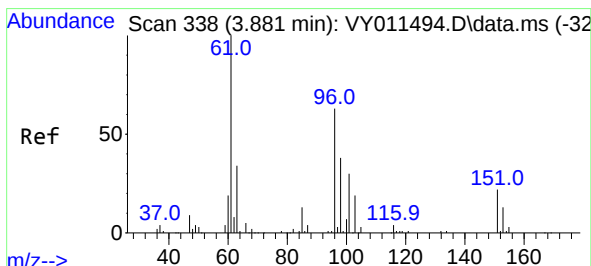
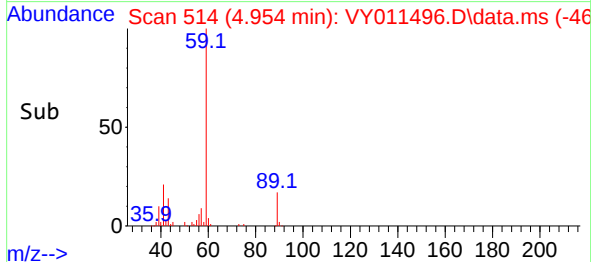
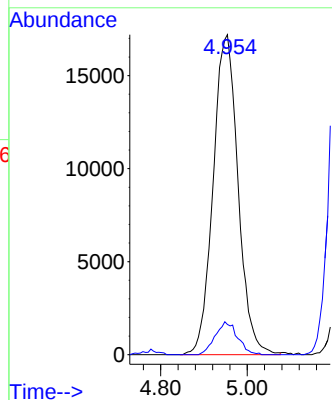


#11  
Tert butyl alcohol  
Concen: 261.350 ug/l  
RT: 4.954 min Scan# 514  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

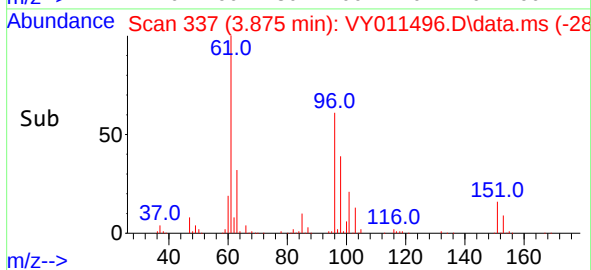
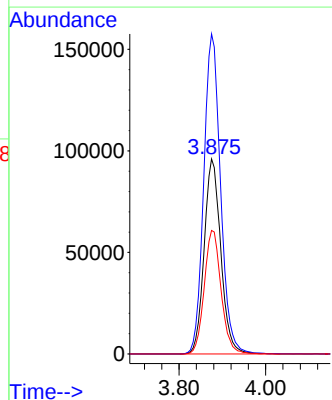
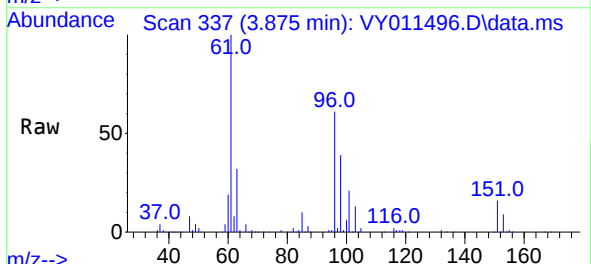


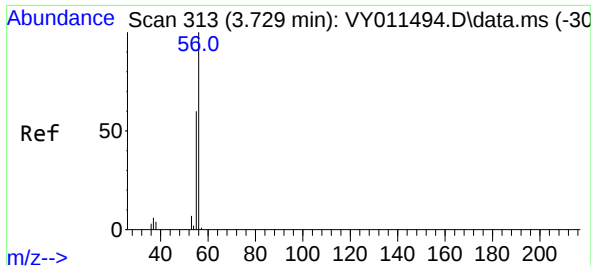
Tgt Ion: 59 Resp: 68904  
Ion Ratio Lower Upper  
59 100  
57 9.2 6.4 9.6



#12  
1,1-Dichloroethene  
Concen: 154.765 ug/l  
RT: 3.875 min Scan# 337  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 96 Resp: 256652  
Ion Ratio Lower Upper  
96 100  
61 164.0 145.8 218.6  
98 63.3 52.5 78.7





#13

Acrolein

Concen: 248.367 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

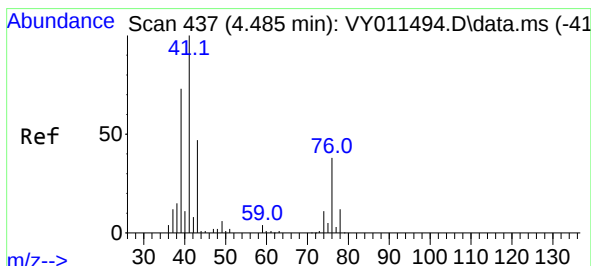
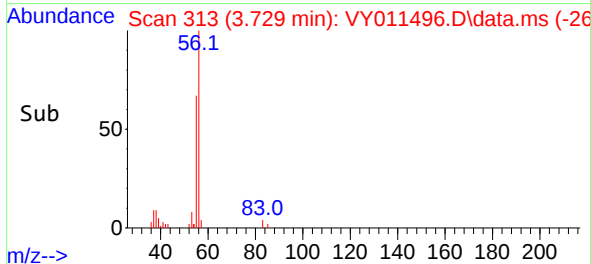
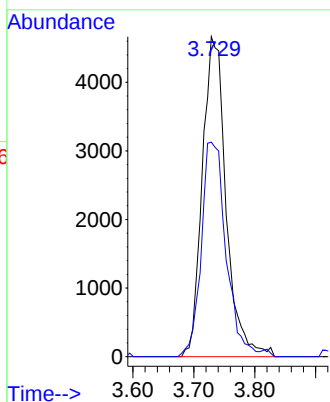
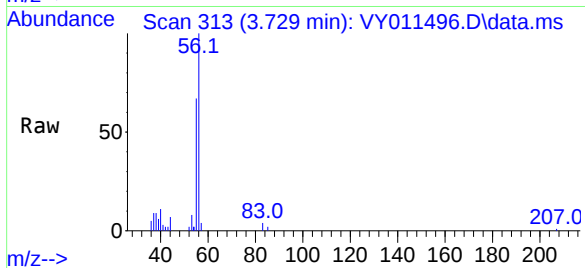
ClientSampleId :

Tgt Ion: 56 Resp: 12617

Ion Ratio Lower Upper

56 100

55 69.8 57.6 86.4



#14

Allyl chloride

Concen: 143.667 ug/l

RT: 4.485 min Scan# 437

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

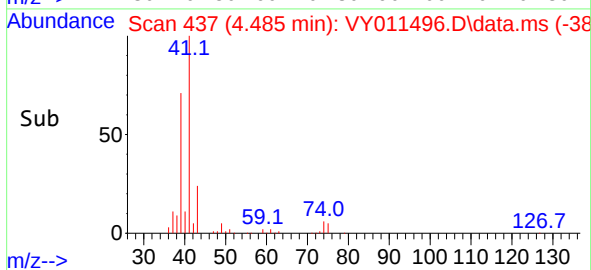
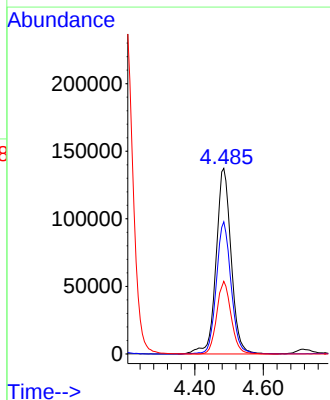
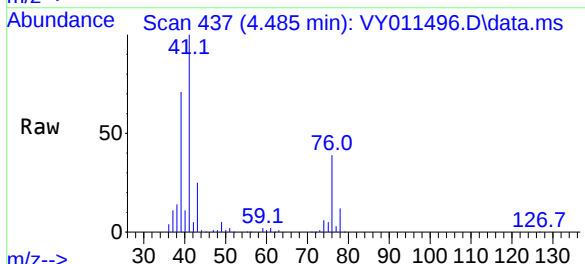
Tgt Ion: 41 Resp: 417315

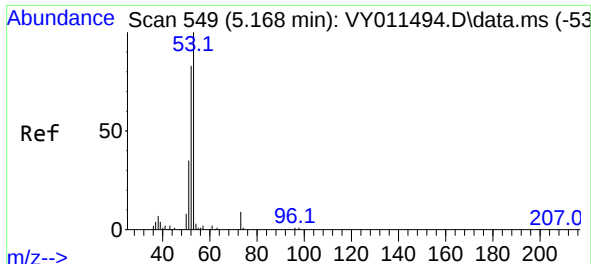
Ion Ratio Lower Upper

41 100

39 69.8 58.8 88.2

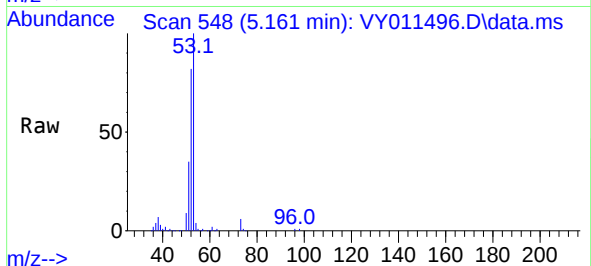
76 37.3 25.1 37.7



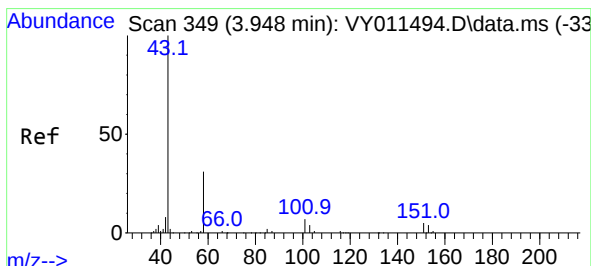
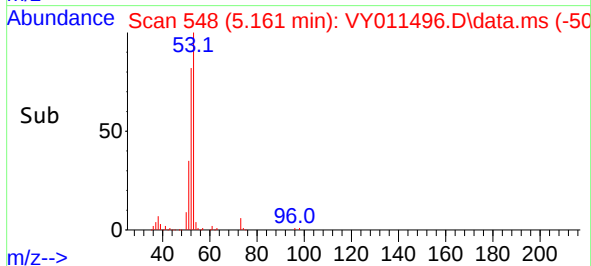
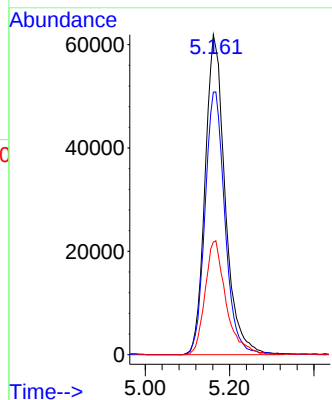


#15  
Acrylonitrile  
Concen: 369.114 ug/l  
RT: 5.161 min Scan# 549  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

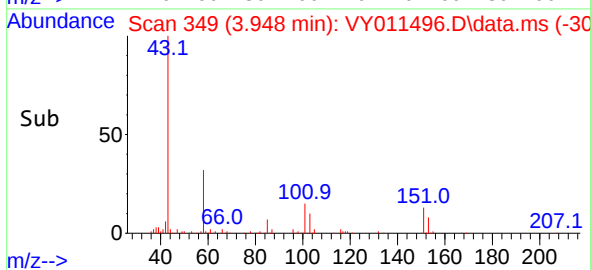
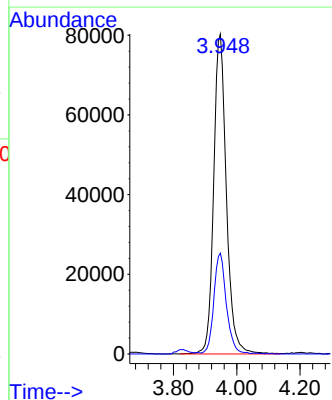
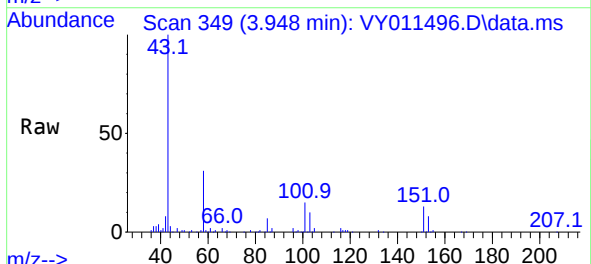


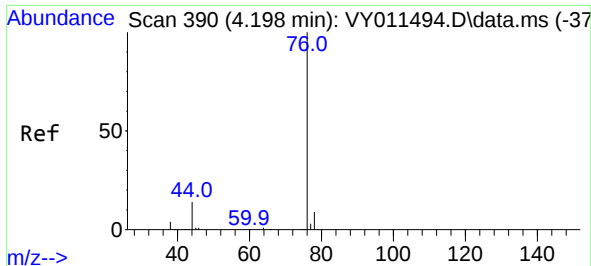
Tgt Ion: 53 Resp: 204574  
Ion Ratio Lower Upper  
53 100  
52 81.6 67.0 100.4  
51 37.4 29.8 44.6



#16  
Acetone  
Concen: 361.837 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 43 Resp: 224858  
Ion Ratio Lower Upper  
43 100  
58 31.5 22.0 33.0

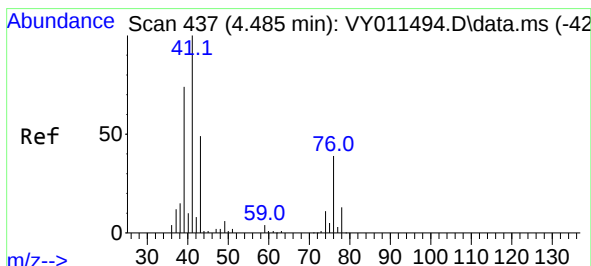
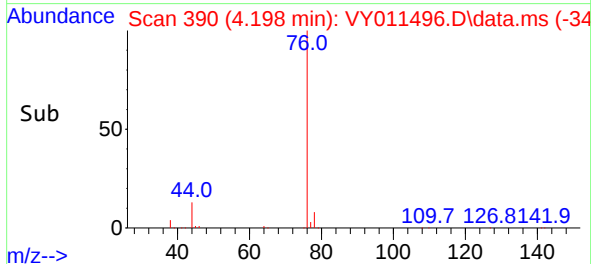
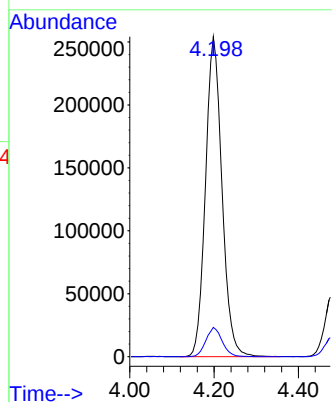
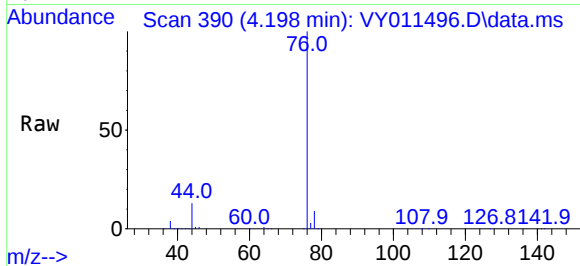




#17  
Carbon Disulfide  
Concen: 151.073 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

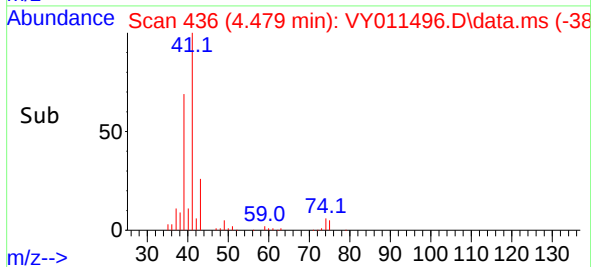
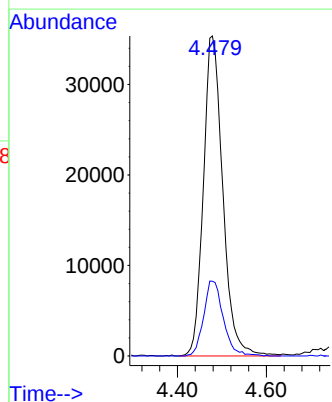
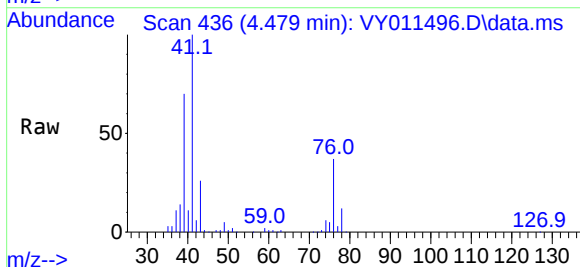
Instrument :  
MSVOA\_Y  
ClientSampleId :

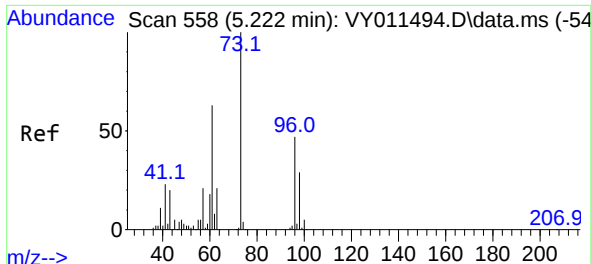
Tgt Ion: 76 Resp: 690924  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0



#18  
Methyl Acetate  
Concen: 65.280 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 43 Resp: 107645  
Ion Ratio Lower Upper  
43 100  
74 23.7 16.6 24.8





#19

Methyl tert-butyl Ether

Concen: 102.257 ug/l

RT: 5.222 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

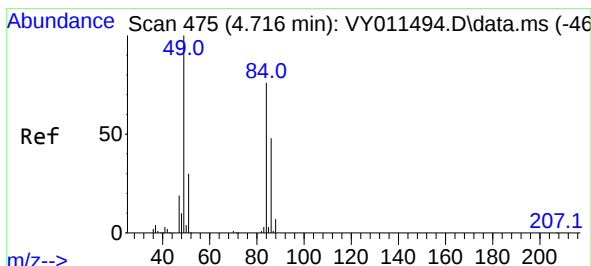
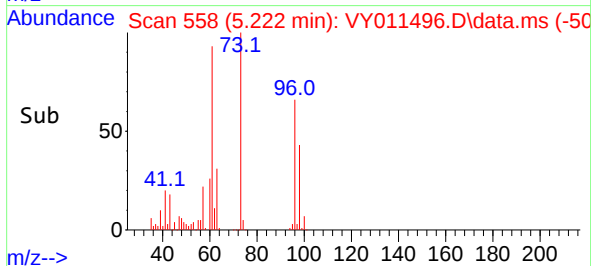
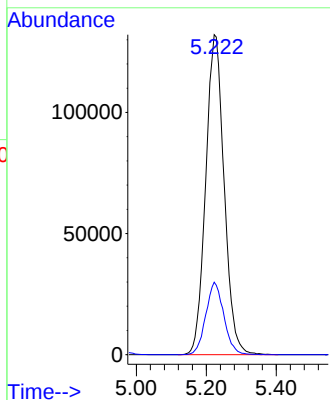
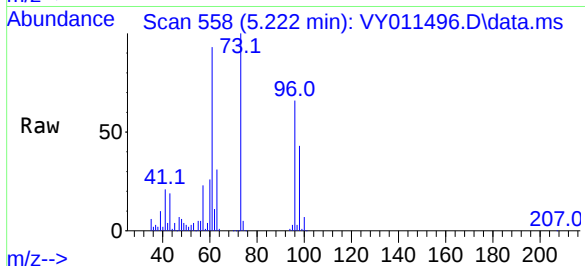
ClientSampleId :

Tgt Ion: 73 Resp: 482838

Ion Ratio Lower Upper

73 100

57 22.6 18.6 27.8



#20

Methylene Chloride

Concen: 77.455 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Tgt Ion: 84 Resp: 251572

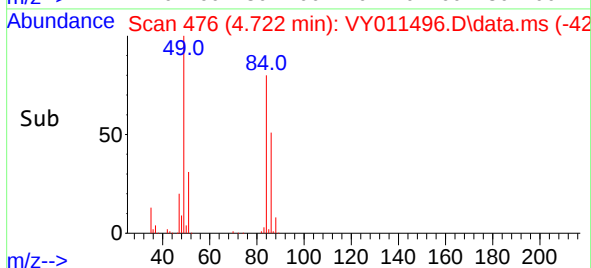
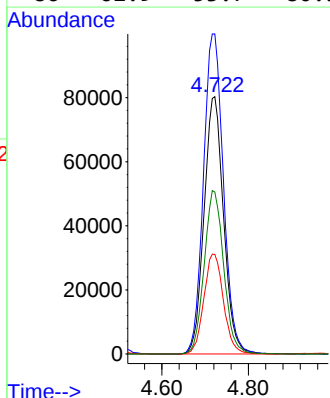
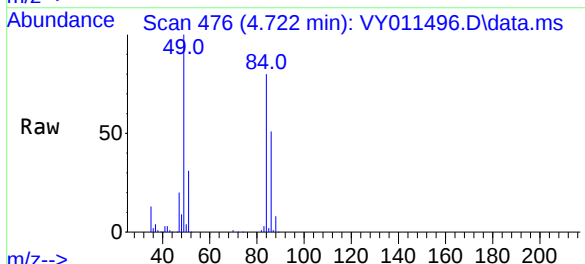
Ion Ratio Lower Upper

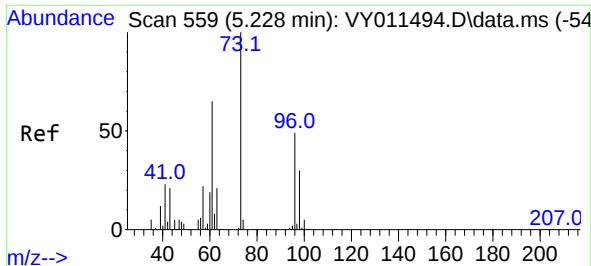
84 100

49 124.4 114.4 171.6

51 38.7 35.3 52.9

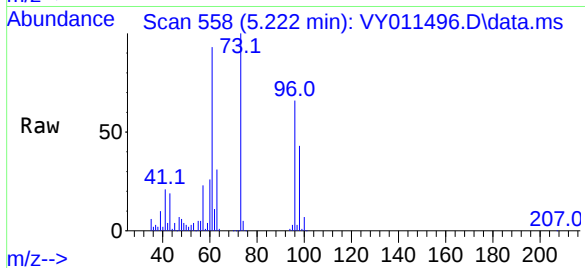
86 62.9 53.7 80.5



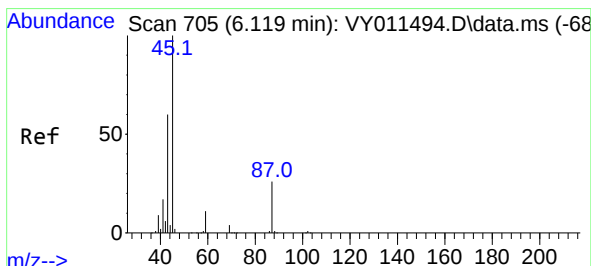
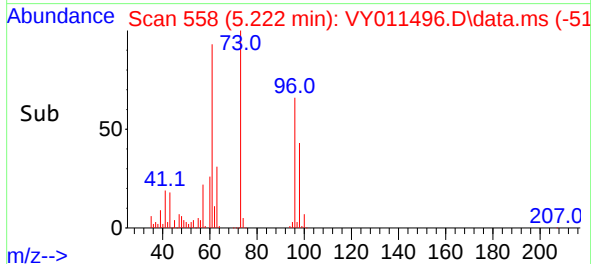
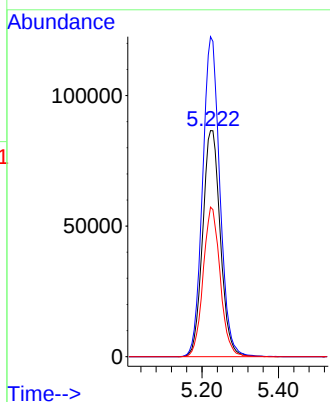


#21  
trans-1,2-Dichloroethene  
Concen: 145.659 ug/l  
RT: 5.222 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

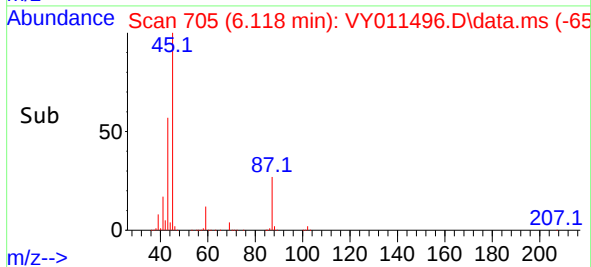
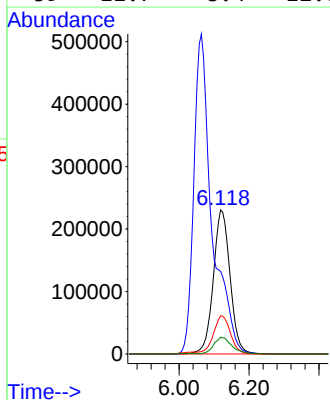
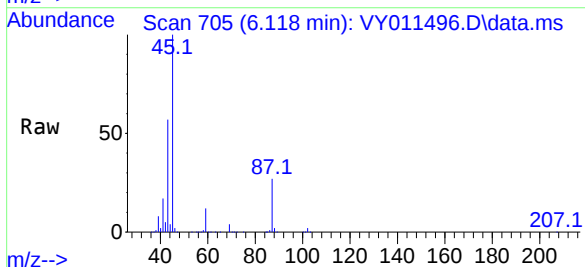


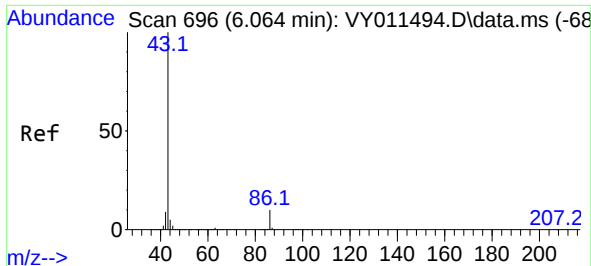
Tgt Ion: 96 Resp: 277653  
Ion Ratio Lower Upper  
96 100  
61 141.6 120.5 180.7  
98 66.2 49.8 74.8



#22  
Diisopropyl ether  
Concen: 120.712 ug/l  
RT: 6.118 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

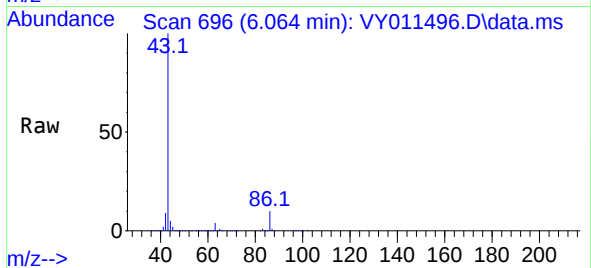
Tgt Ion: 45 Resp: 767429  
Ion Ratio Lower Upper  
45 100  
43 57.2 49.3 73.9  
87 26.6 19.2 28.8  
59 11.7 8.4 12.6



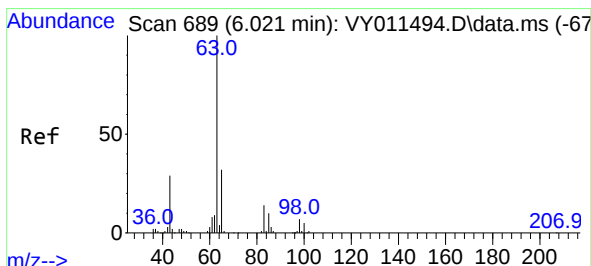
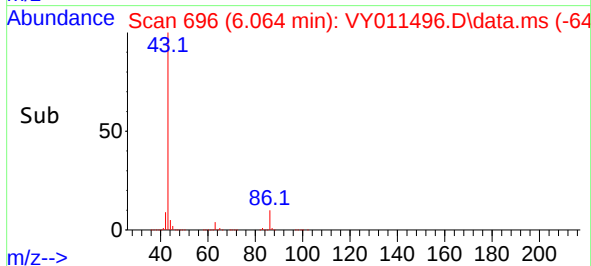
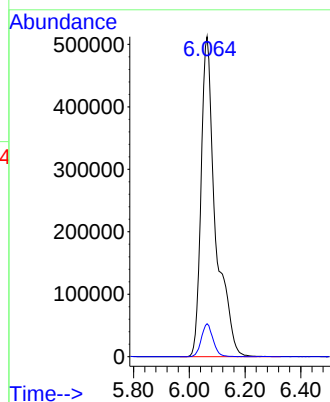


#23  
Vinyl Acetate  
Concen: 498.332 ug/l  
RT: 6.064 min Scan# 696  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

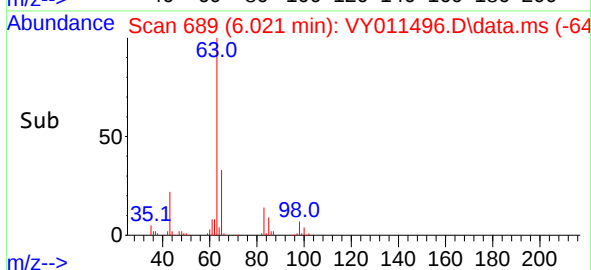
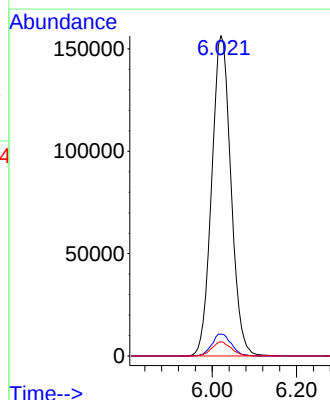
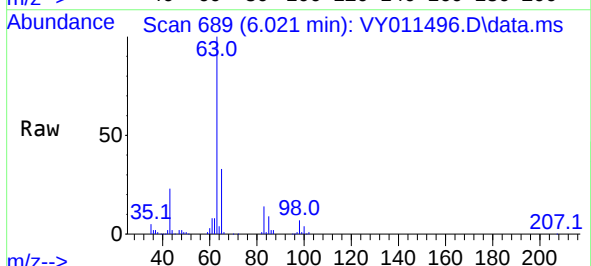


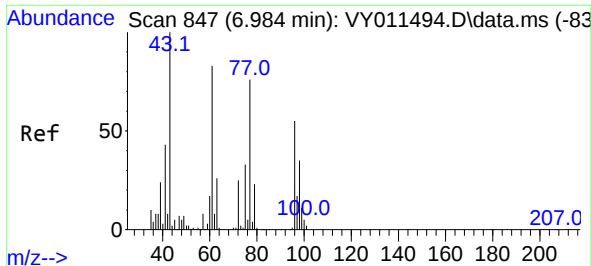
Tgt Ion: 43 Resp: 1845140  
Ion Ratio Lower Upper  
43 100  
86 10.3 7.1 10.7



#24  
1,1-Dichloroethane  
Concen: 133.485 ug/l  
RT: 6.021 min Scan# 689  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 63 Resp: 495506  
Ion Ratio Lower Upper  
63 100  
98 6.8 3.6 10.8  
100 4.5 2.0 5.8

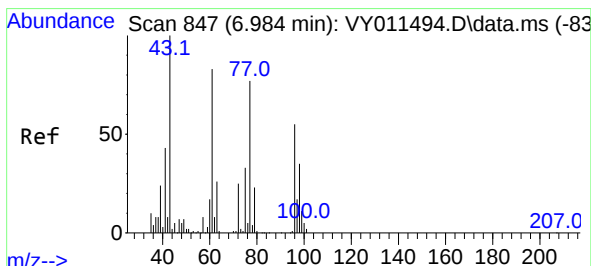
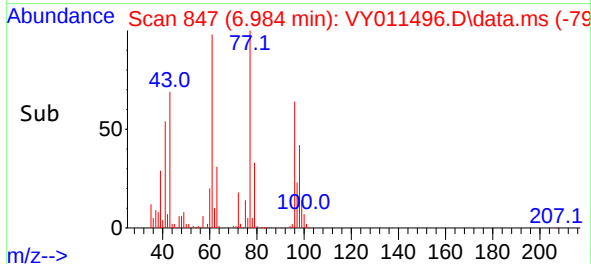
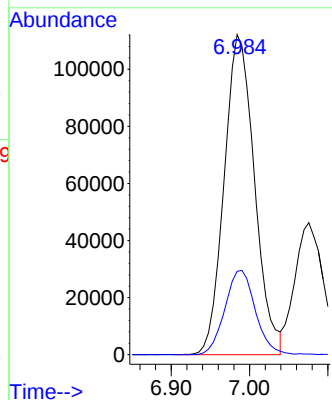
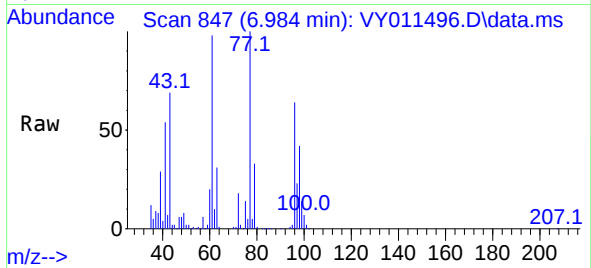




#25  
2-Butanone  
Concen: 369.273 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

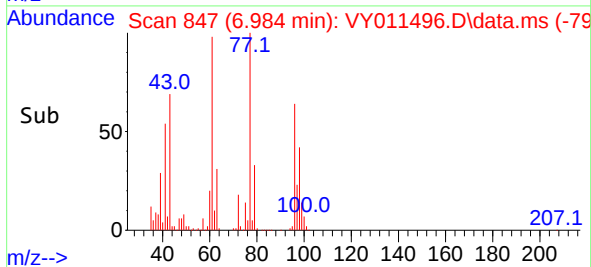
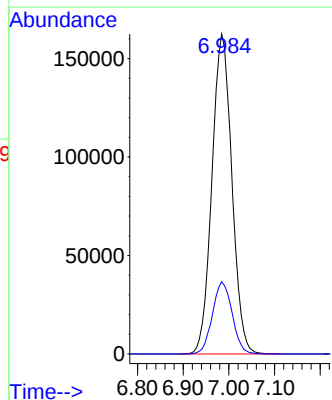
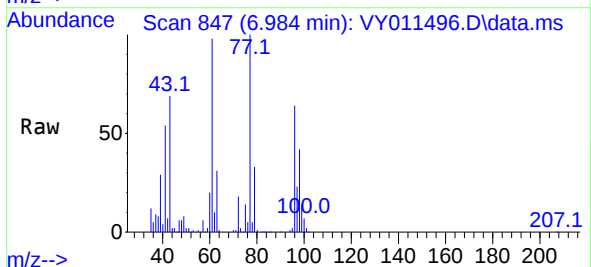
Instrument :  
MSVOA\_Y  
ClientSampleId :

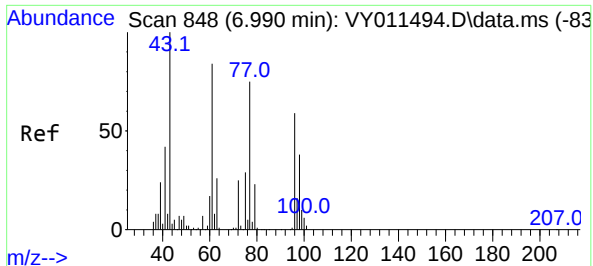
Tgt Ion: 43 Resp: 302251  
Ion Ratio Lower Upper  
43 100  
72 26.1 17.7 26.5



#26  
2,2-Dichloropropane  
Concen: 142.419 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

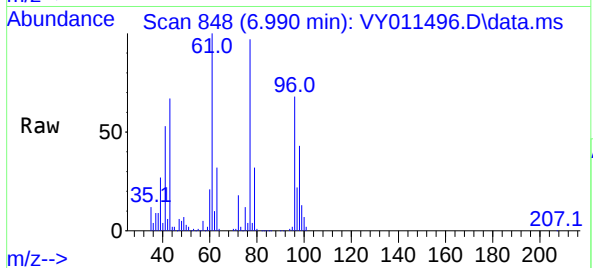
Tgt Ion: 77 Resp: 491990  
Ion Ratio Lower Upper  
77 100  
97 22.3 10.4 31.4



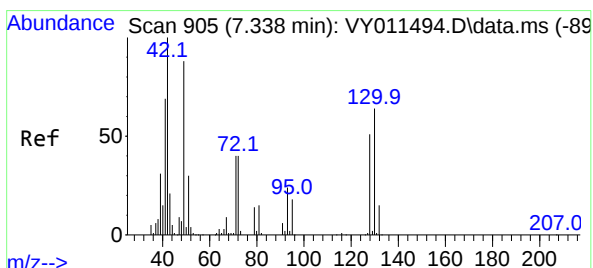
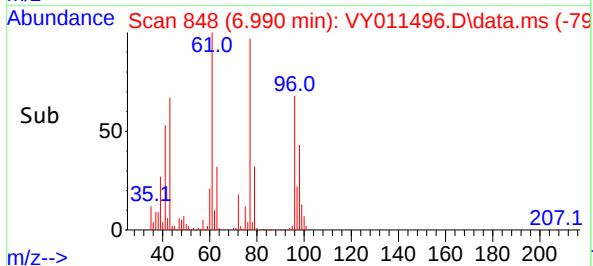
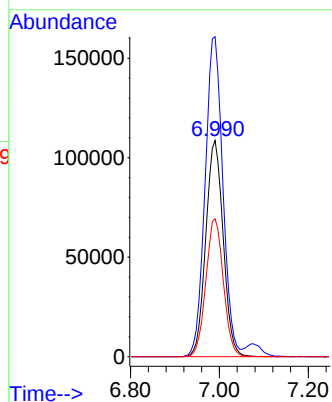


#27  
cis-1,2-Dichloroethene  
Concen: 131.704 ug/l  
RT: 6.990 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

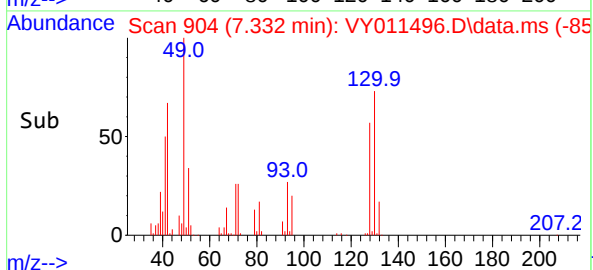
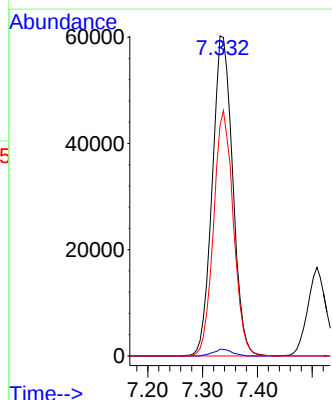
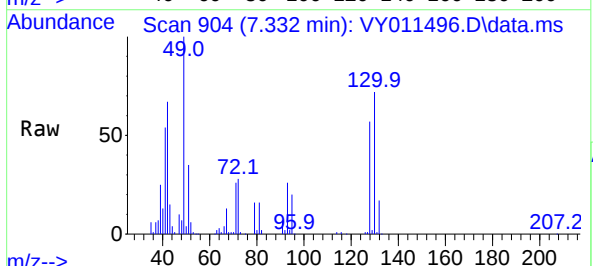


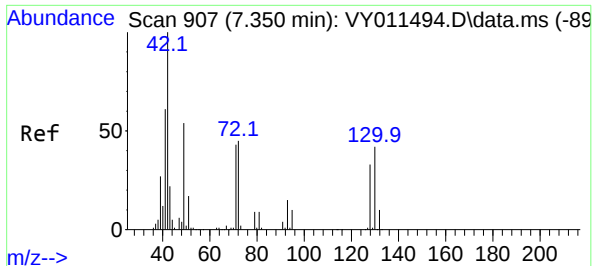
Tgt Ion: 96 Resp: 296685  
Ion Ratio Lower Upper  
96 100  
61 150.8 0.0 319.8  
98 64.2 0.0 127.0



#28  
Bromochloromethane  
Concen: 104.334 ug/l  
RT: 7.332 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

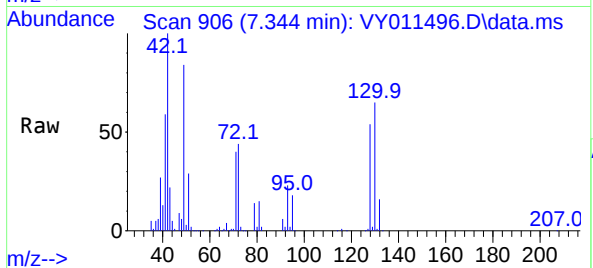
Tgt Ion: 49 Resp: 155813  
Ion Ratio Lower Upper  
49 100  
129 2.0 0.0 2.2  
130 74.2 55.4 83.0



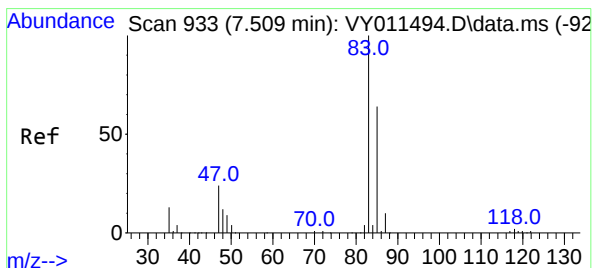
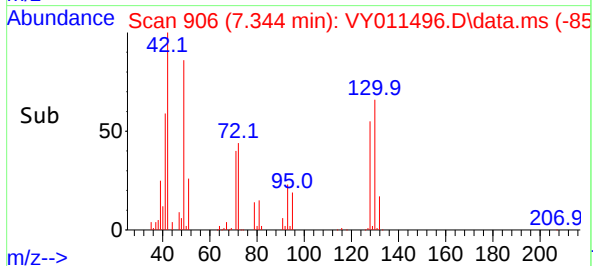
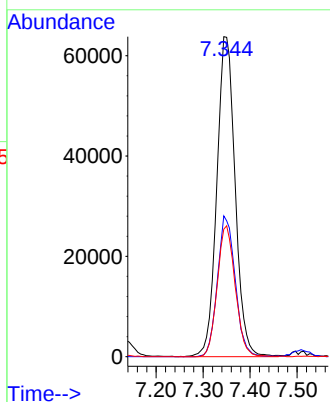


#29  
Tetrahydrofuran  
Concen: 376.999 ug/l  
RT: 7.344 min Scan# 907  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

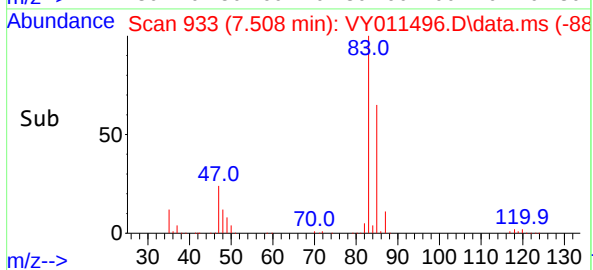
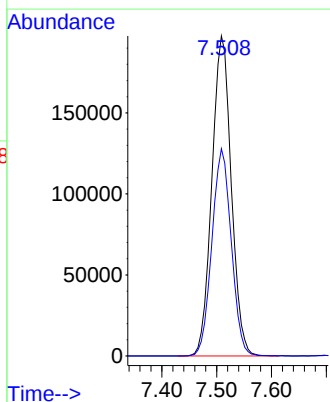
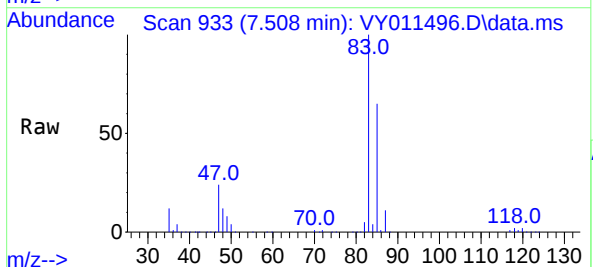


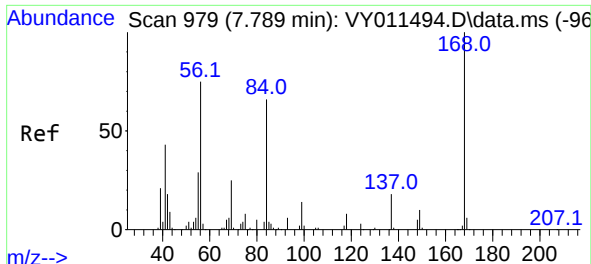
Tgt Ion: 42 Resp: 173596  
Ion Ratio Lower Upper  
42 100  
72 42.7 30.3 45.5  
71 40.1 29.0 43.4



#30  
Chloroform  
Concen: 125.601 ug/l  
RT: 7.508 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

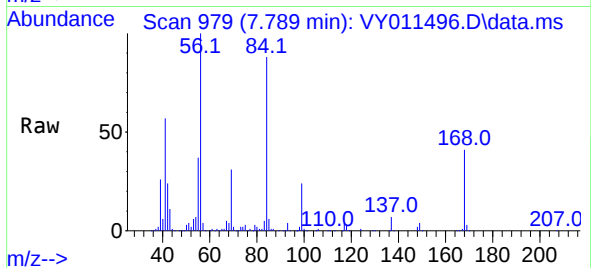
Tgt Ion: 83 Resp: 484421  
Ion Ratio Lower Upper  
83 100  
85 64.7 51.8 77.6



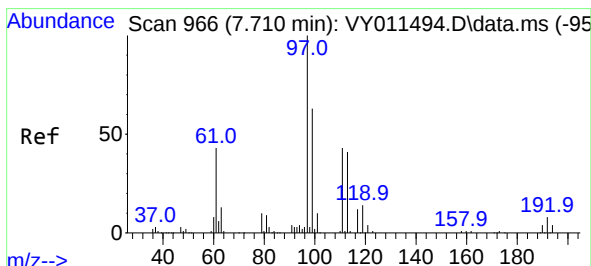
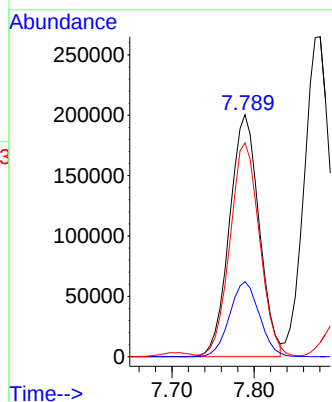
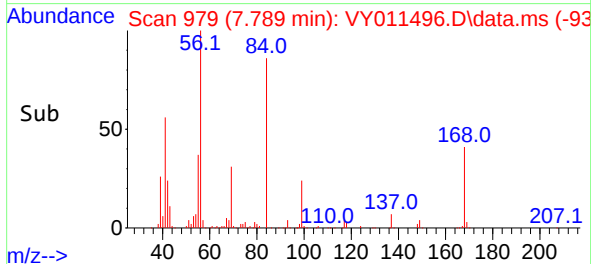


#31  
Cyclohexane  
Concen: 157.804 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

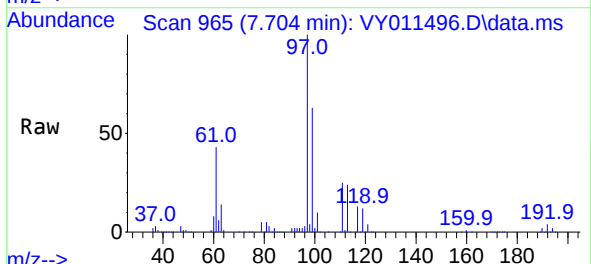
Instrument :  
MSVOA\_Y  
ClientSampleId :



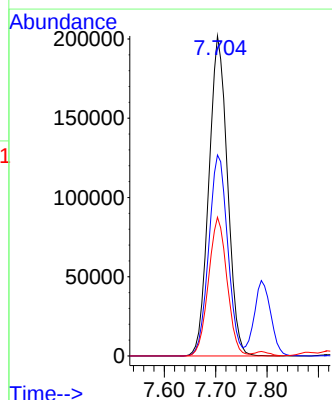
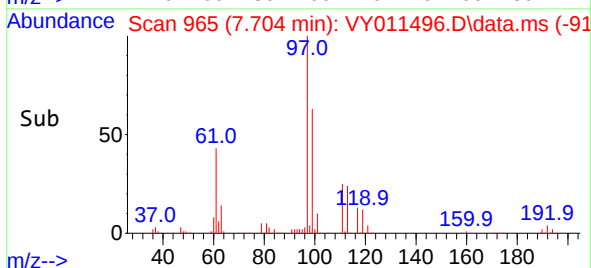
Tgt Ion: 56 Resp: 502190  
Ion Ratio Lower Upper  
56 100  
69 31.0 26.7 40.1  
84 86.7 67.2 100.8

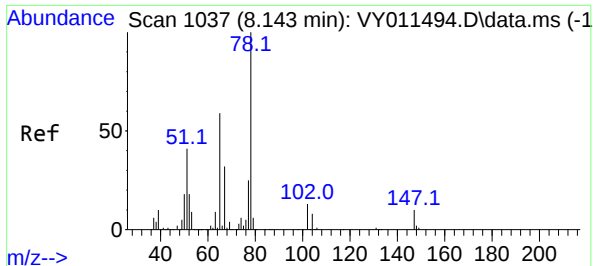


#32  
1,1,1-Trichloroethane  
Concen: 147.092 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12



Tgt Ion: 97 Resp: 507870  
Ion Ratio Lower Upper  
97 100  
99 63.7 50.7 76.1  
61 43.2 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 87.964 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

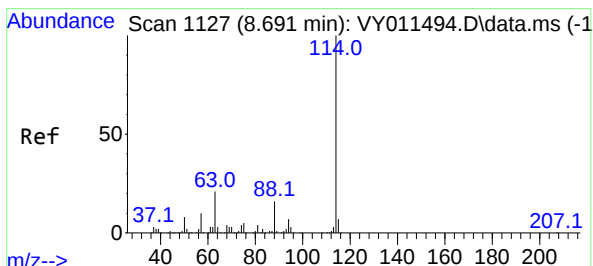
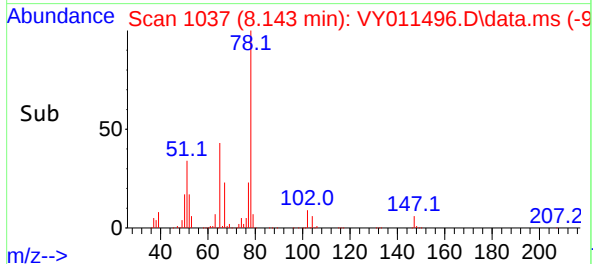
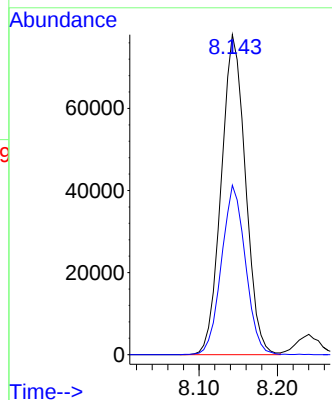
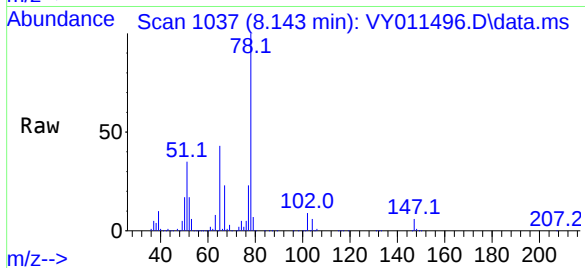
ClientSampleId :

Tgt Ion: 65 Resp: 167503

Ion Ratio Lower Upper

65 100

67 52.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

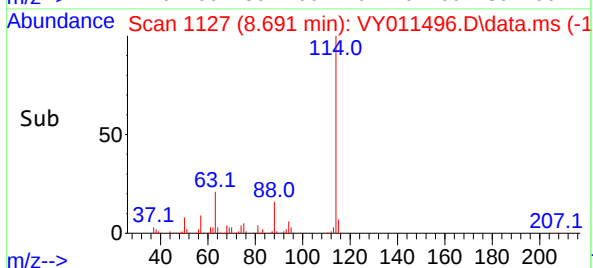
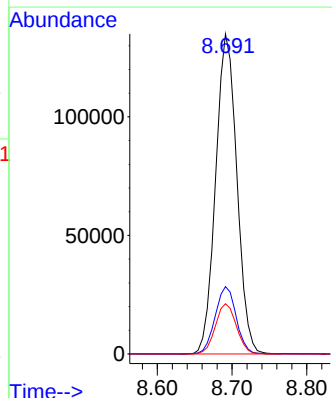
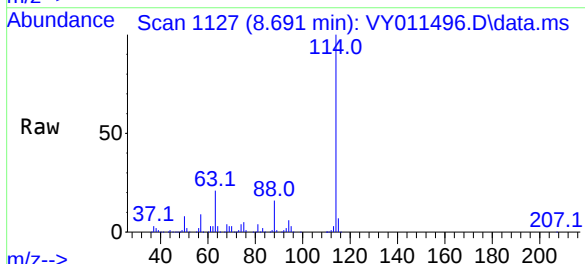
Tgt Ion: 114 Resp: 266431

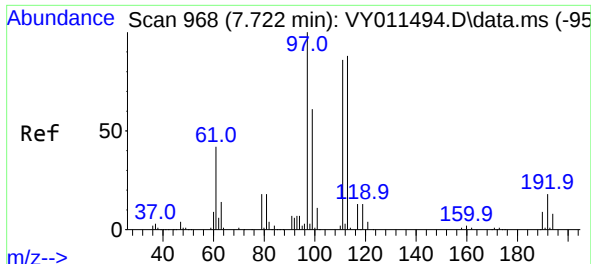
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

88 15.7 0.0 31.8

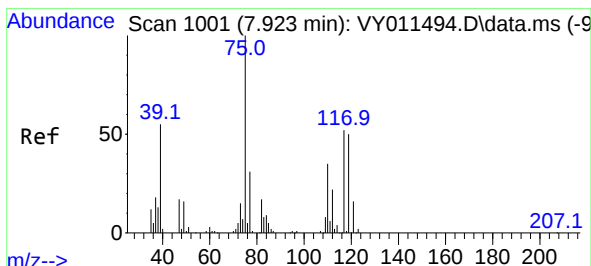
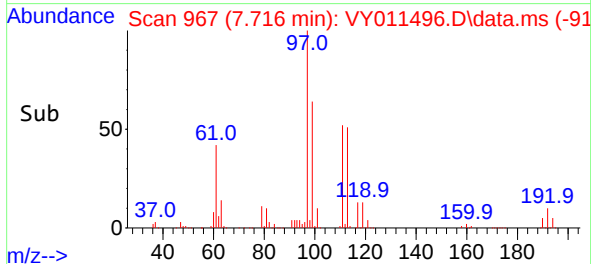
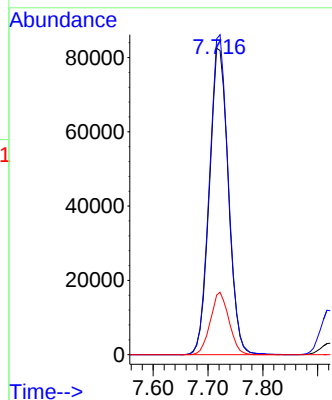
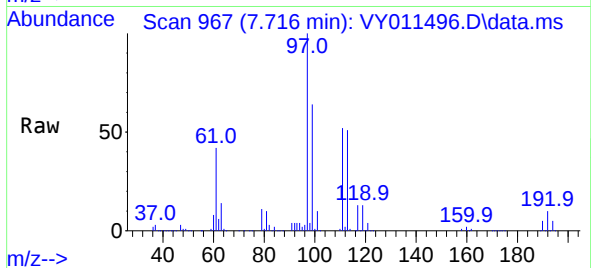




#35  
Dibromofluoromethane  
Concen: 120.918 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

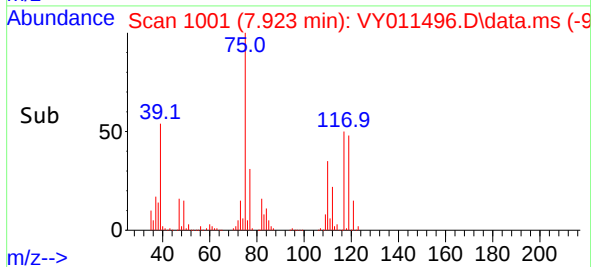
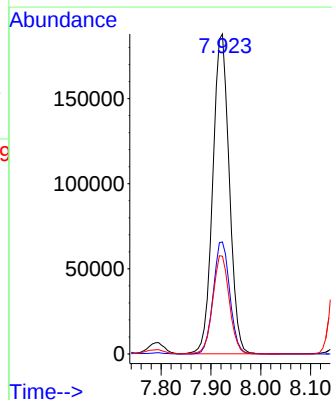
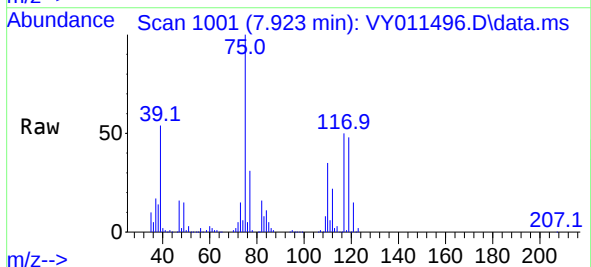
Instrument :  
MSVOA\_Y  
ClientSampleId :

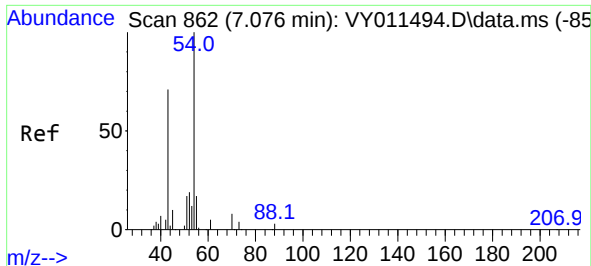
Tgt Ion:113 Resp: 197600  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.6 124.0  
192 19.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 168.800 ug/l  
RT: 7.923 min Scan# 1001  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

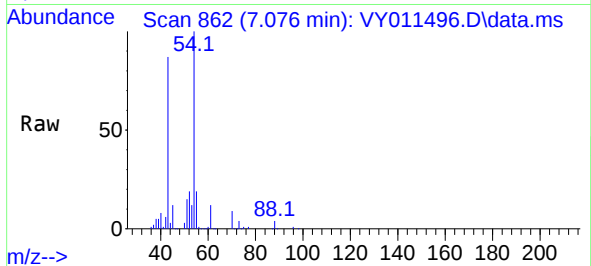
Tgt Ion: 75 Resp: 431696  
Ion Ratio Lower Upper  
75 100  
110 35.1 17.1 51.2  
77 31.0 24.4 36.6



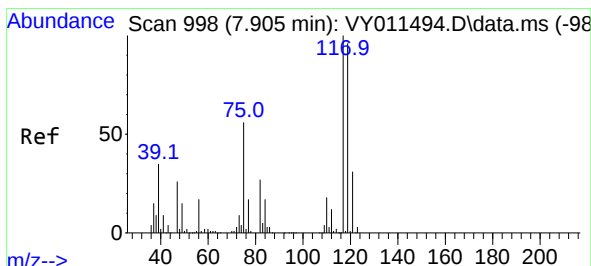
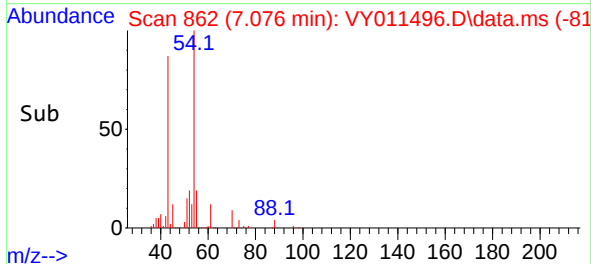
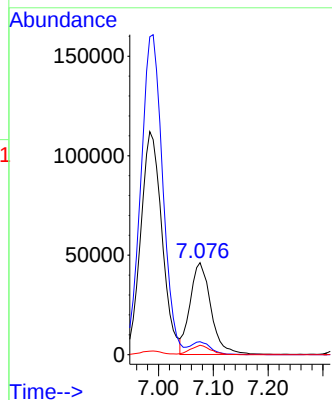


#37  
Ethyl Acetate  
Concen: 83.954 ug/l  
RT: 7.076 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

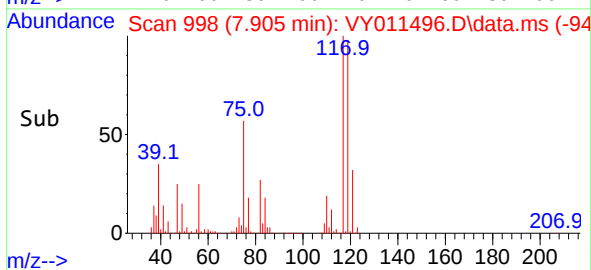
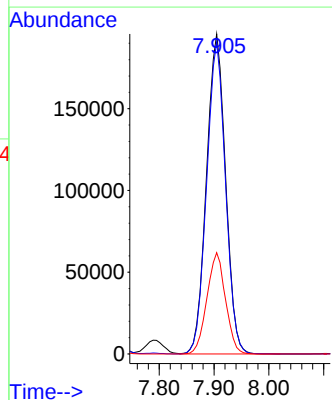
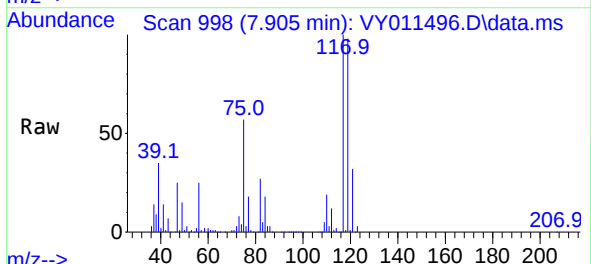


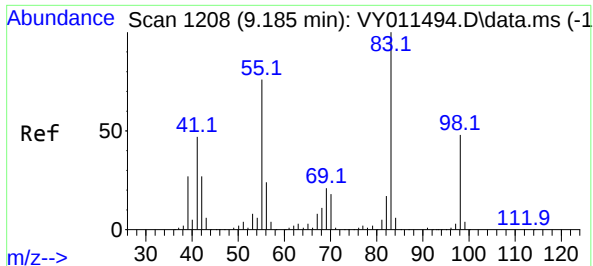
Tgt Ion: 43 Resp: 122360  
Ion Ratio Lower Upper  
43 100  
61 13.2 9.7 14.5  
70 9.9 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 165.974 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 117 Resp: 472726  
Ion Ratio Lower Upper  
117 100  
119 97.5 77.9 116.9  
121 31.6 24.8 37.2





#39

Methylcyclohexane

Concen: 190.299 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

ClientSampleId :

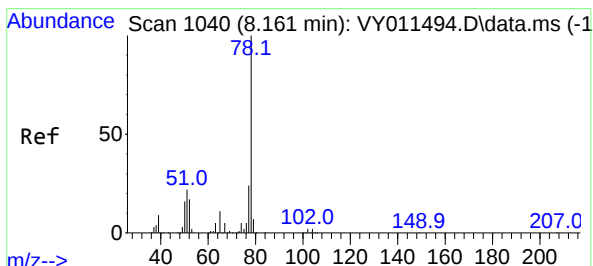
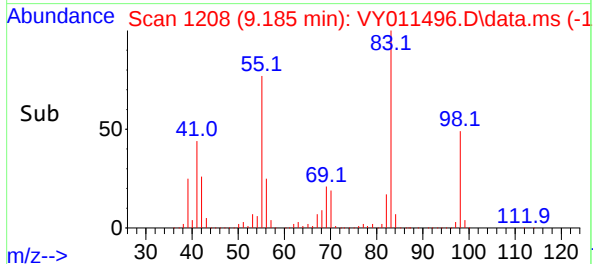
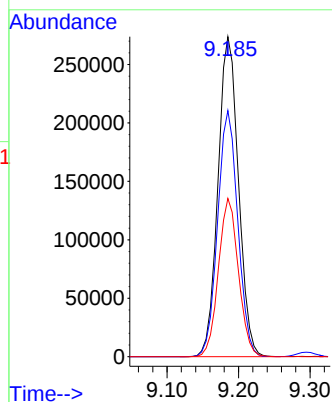
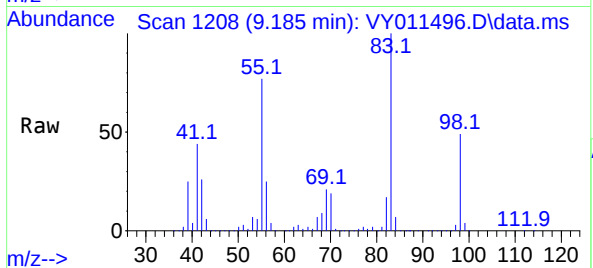
Tgt Ion: 83 Resp: 543680

Ion Ratio Lower Upper

83 100

55 76.9 66.5 99.7

98 49.5 37.9 56.9



#40

Benzene

Concen: 147.203 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY011496.D

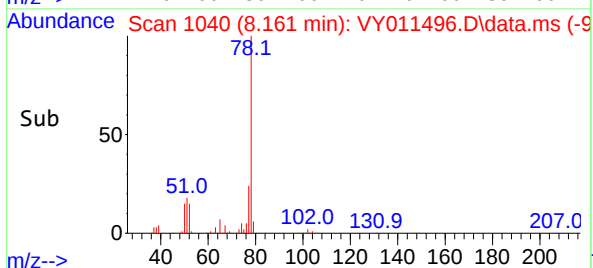
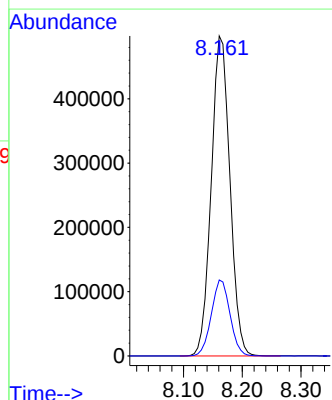
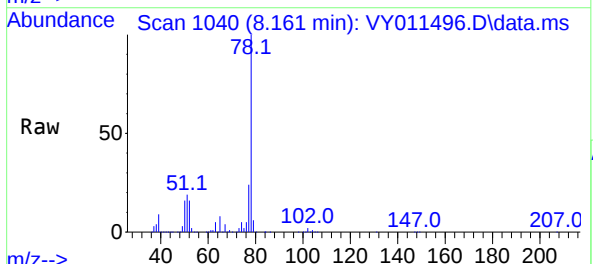
Acq: 18 Nov 2022 12:12

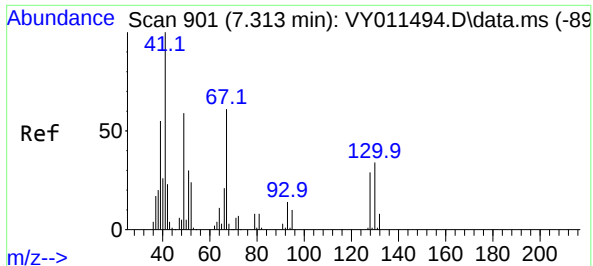
Tgt Ion: 78 Resp: 1097453

Ion Ratio Lower Upper

78 100

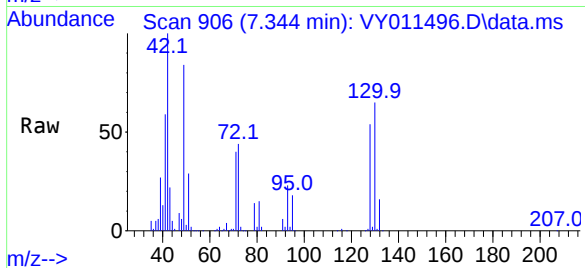
77 23.8 20.4 30.6



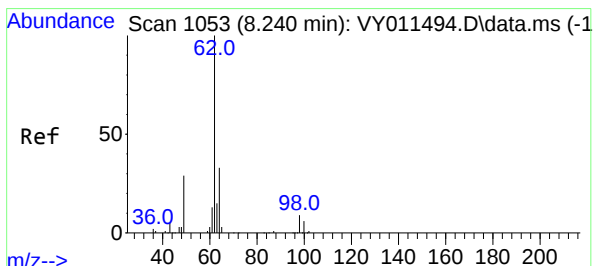
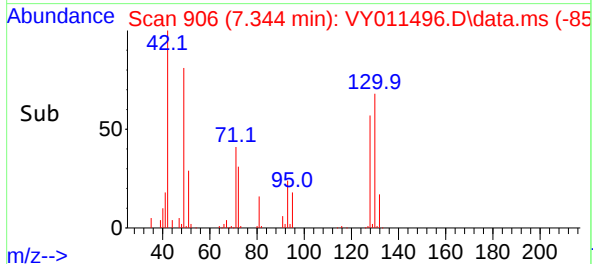
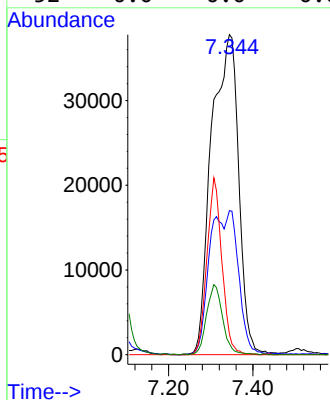


#41  
Methacrylonitrile  
Concen: 248.378 ug/l  
RT: 7.344 min Scan# 901  
Delta R.T. 0.030 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

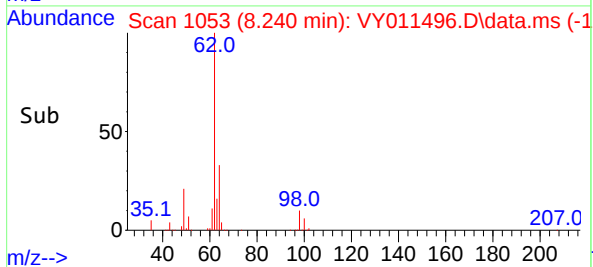
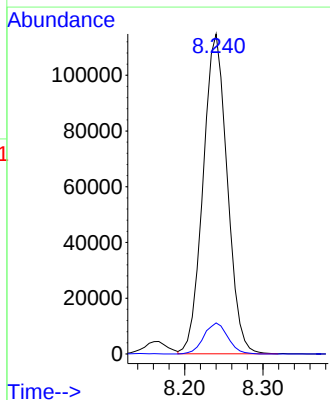
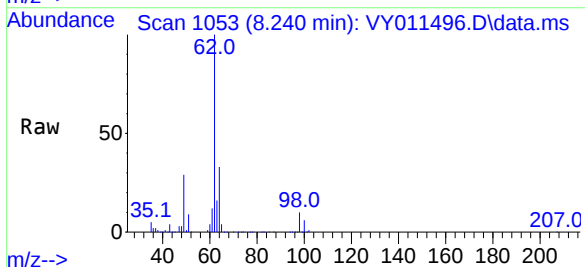


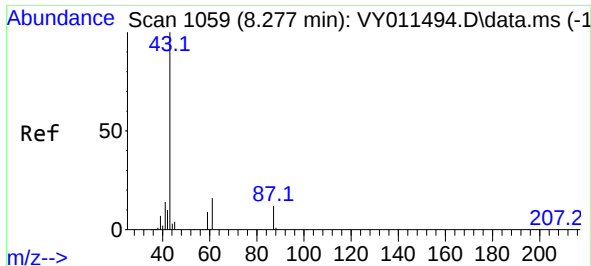
Tgt Ion: 41 Resp: 168202  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 106.696 ug/l  
RT: 8.240 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

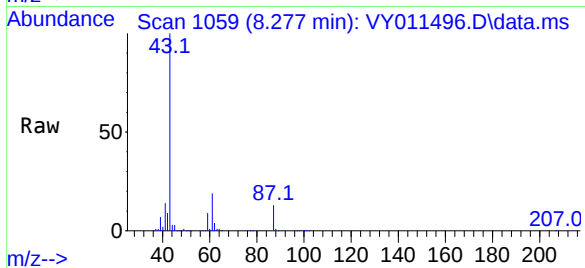
Tgt Ion: 62 Resp: 245514  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 14.8



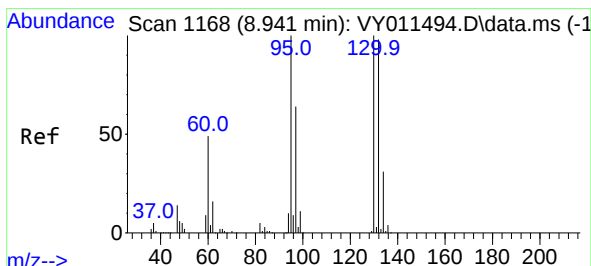
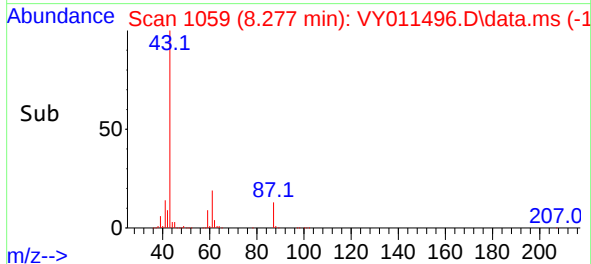
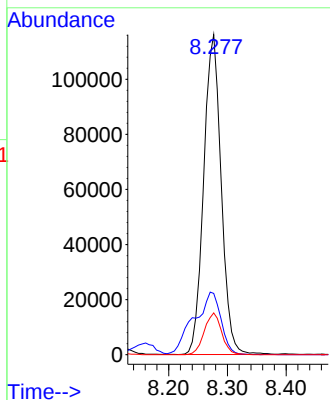


#43  
Isopropyl Acetate  
Concen: 91.356 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

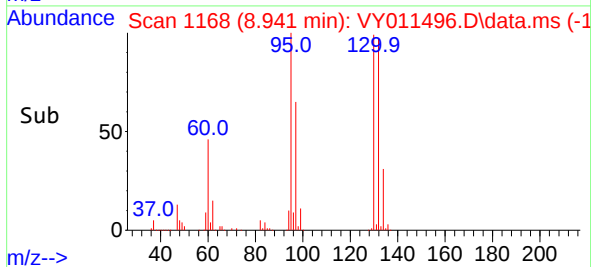
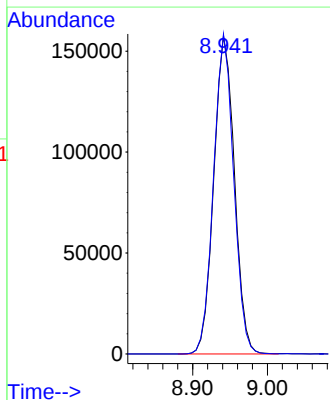
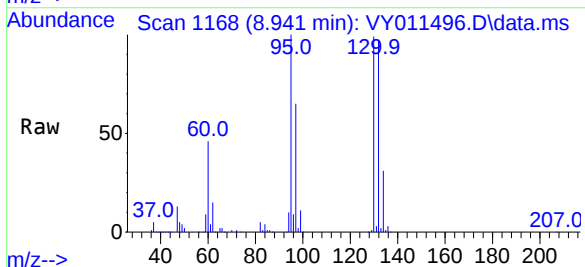


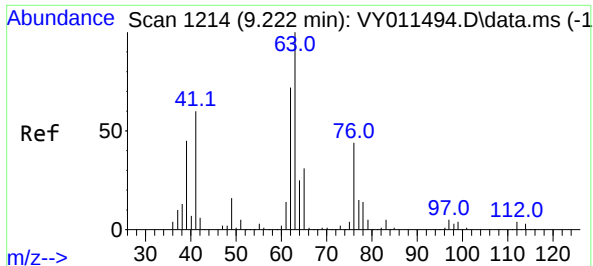
Tgt Ion: 43 Resp: 240812  
Ion Ratio Lower Upper  
43 100  
61 30.2 20.2 30.2  
87 13.0 8.9 13.3



#44  
Trichloroethene  
Concen: 150.730 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:130 Resp: 302282  
Ion Ratio Lower Upper  
130 100  
95 100.6 0.0 188.2





#45

1,2-Dichloropropane

Concen: 131.836 ug/l

RT: 9.216 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

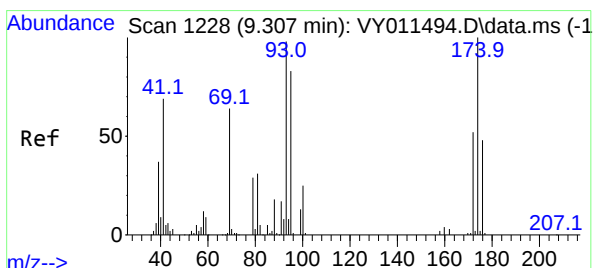
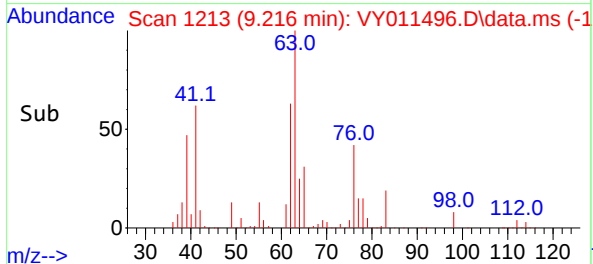
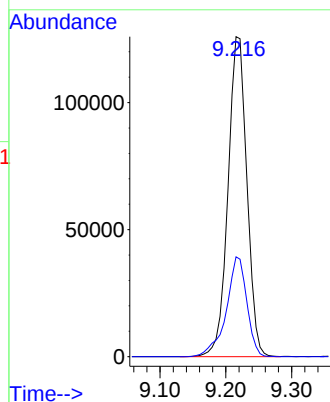
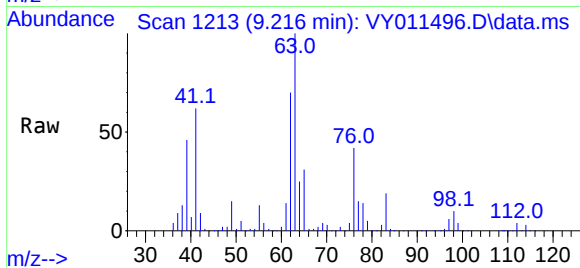
ClientSampleId :

Tgt Ion: 63 Resp: 251556

Ion Ratio Lower Upper

63 100

65 31.2 23.0 34.6



#46

Dibromomethane

Concen: 101.999 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

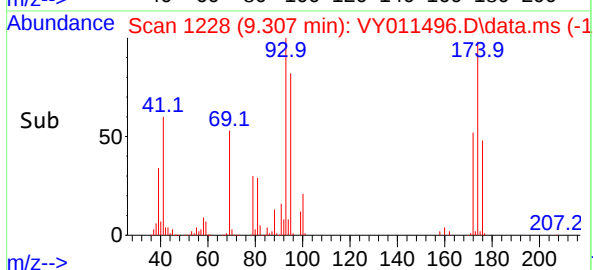
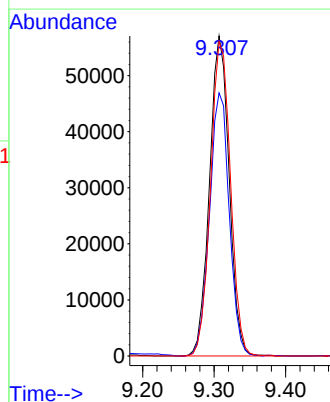
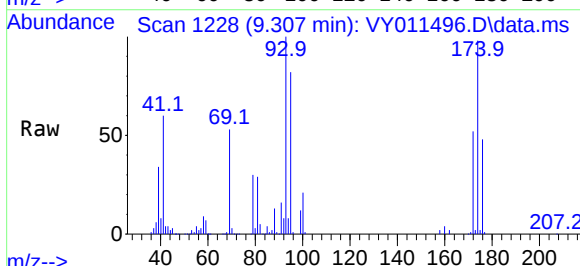
Tgt Ion: 93 Resp: 108894

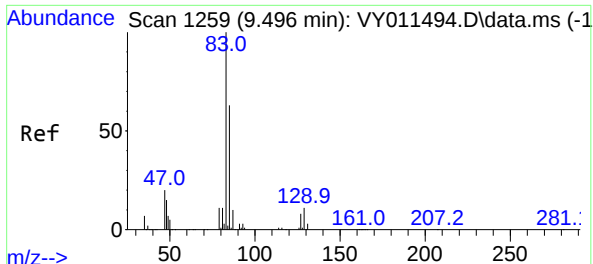
Ion Ratio Lower Upper

93 100

95 82.6 64.3 96.5

174 99.6 83.4 125.0

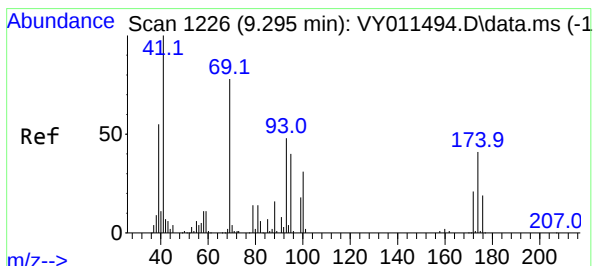
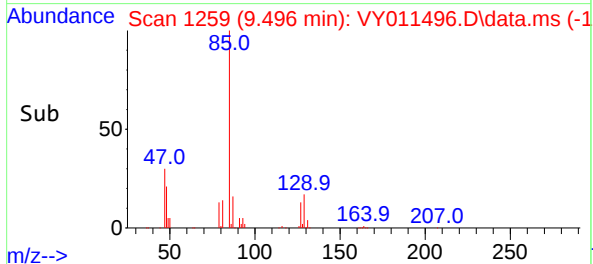
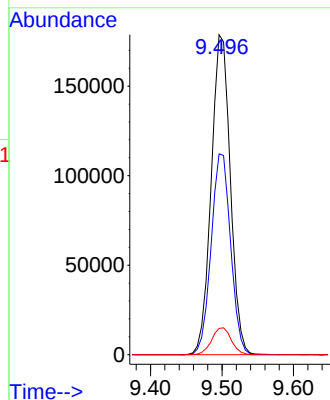
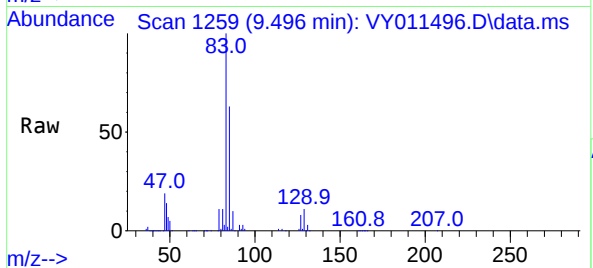




#47  
Bromodichloromethane  
Concen: 123.357 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

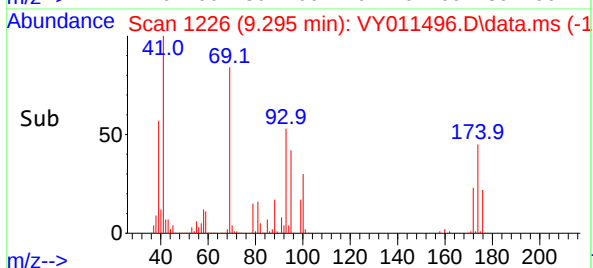
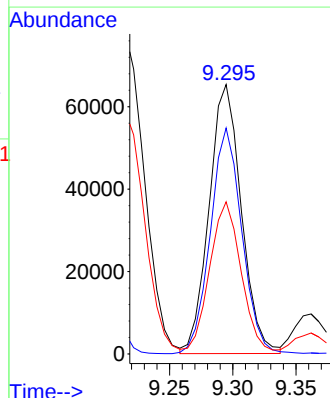
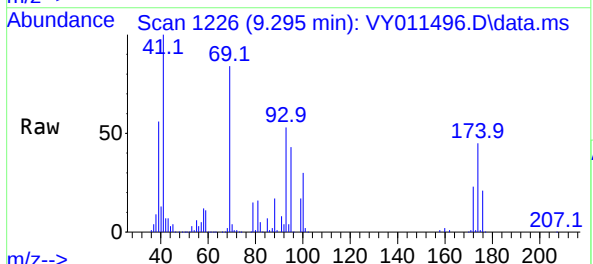
Instrument :  
MSVOA\_Y  
ClientSampleId :

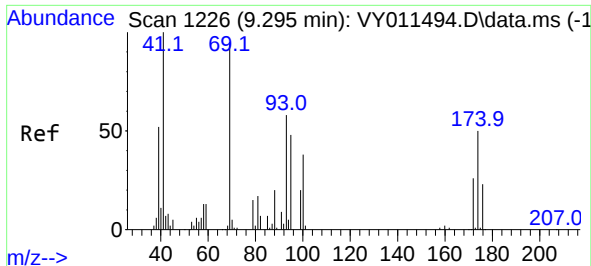
Tgt Ion: 83 Resp: 331445  
Ion Ratio Lower Upper  
83 100  
85 62.8 51.9 77.9  
127 8.2 6.6 10.0



#48  
Methyl methacrylate  
Concen: 98.725 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 41 Resp: 115786  
Ion Ratio Lower Upper  
41 100  
69 82.4 58.2 87.2  
39 52.6 47.4 71.0





#49

1,4-Dioxane

Concen: 1725.925 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.000 min

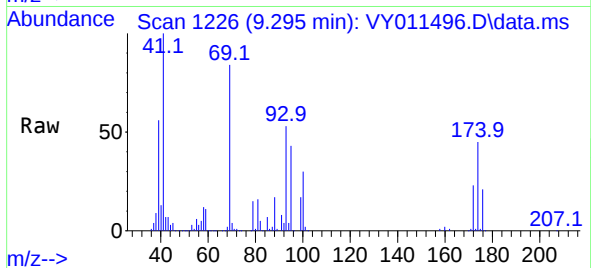
Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

ClientSampleId :



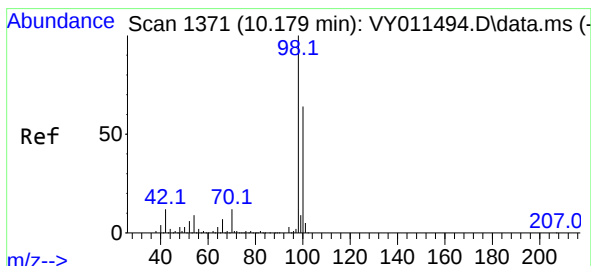
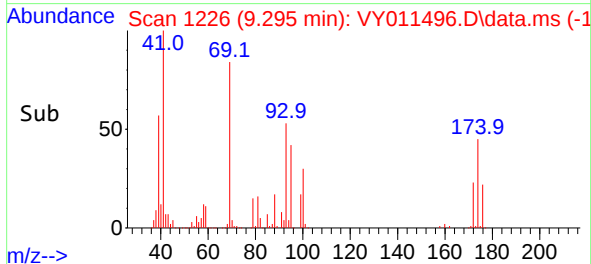
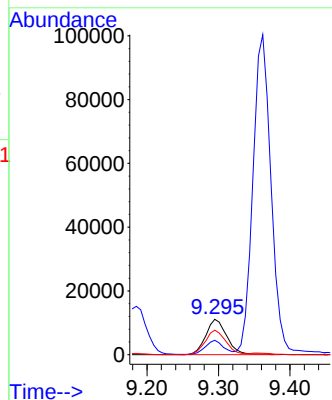
Tgt Ion: 88 Resp: 22636

Ion Ratio Lower Upper

88 100

43 34.1 32.8 49.2

58 67.8 59.8 89.6



#50

Toluene-d8

Concen: 130.233 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011496.D

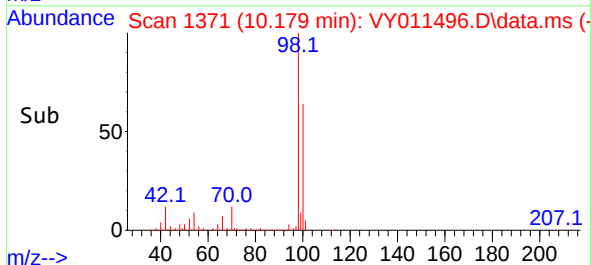
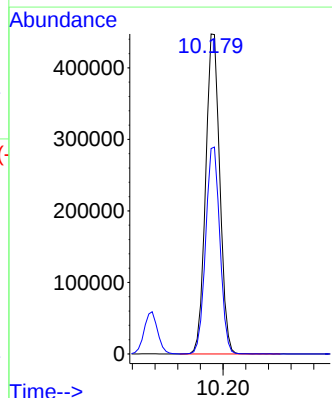
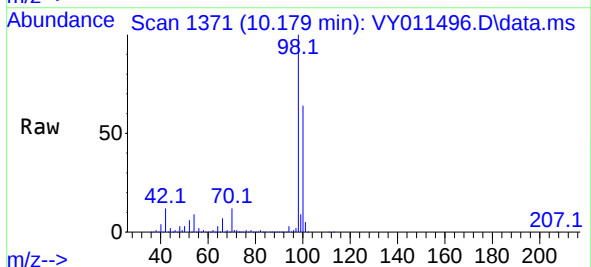
Acq: 18 Nov 2022 12:12

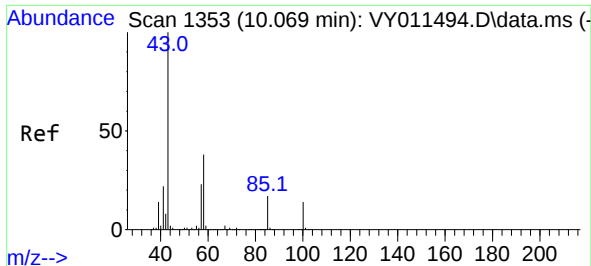
Tgt Ion: 98 Resp: 775168

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2

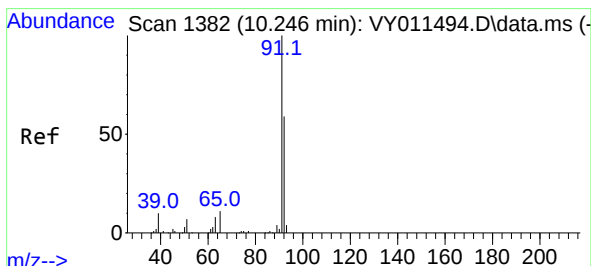
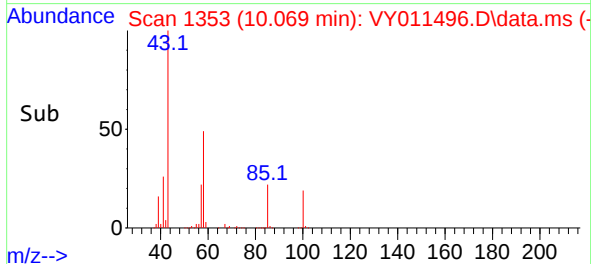
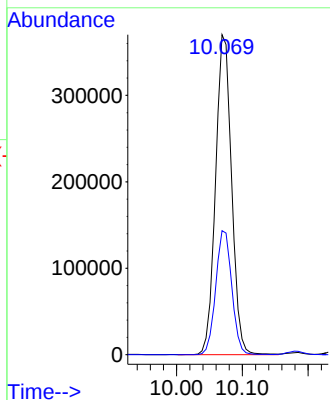
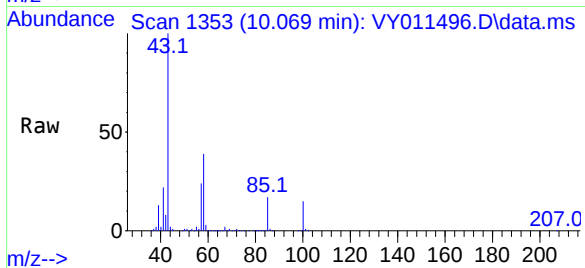




#51  
4-Methyl-2-Pentanone  
Concen: 427.843 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

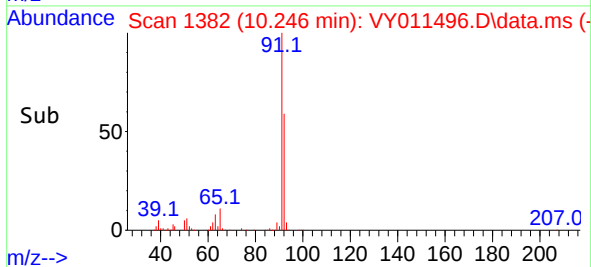
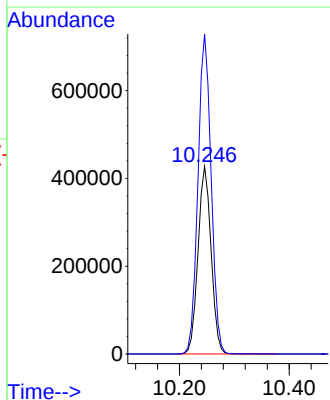
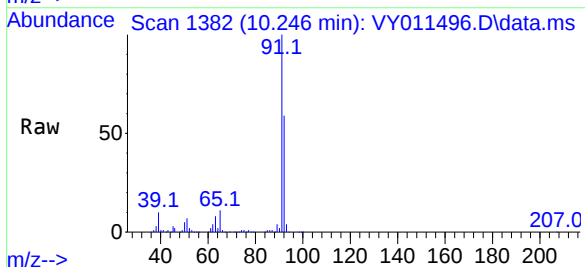
Instrument :  
MSVOA\_Y  
ClientSampleId :

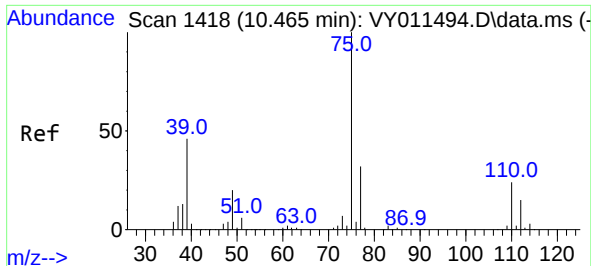
Tgt Ion: 43 Resp: 627776  
Ion Ratio Lower Upper  
43 100  
58 38.9 28.1 42.1



#52  
Toluene  
Concen: 150.639 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 92 Resp: 708832  
Ion Ratio Lower Upper  
92 100  
91 171.6 142.6 213.8

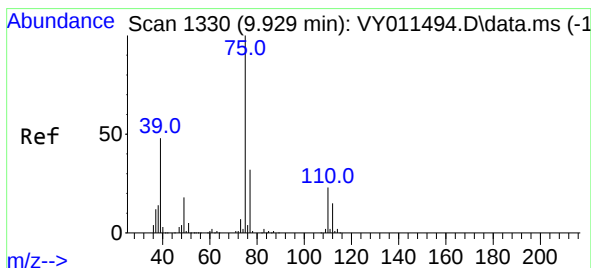
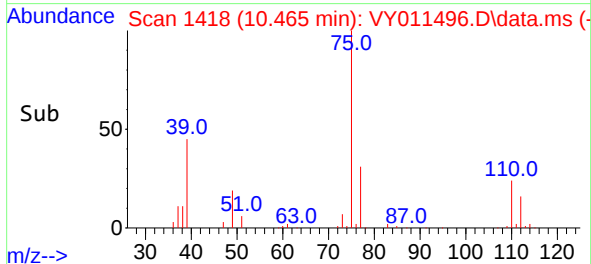
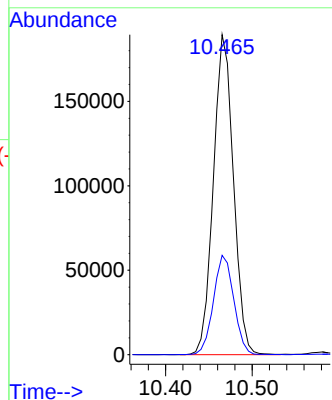
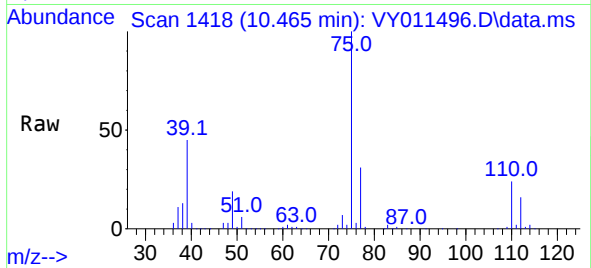




#53  
t-1,3-Dichloropropene  
Concen: 113.556 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

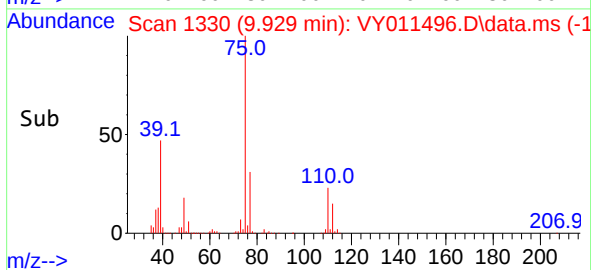
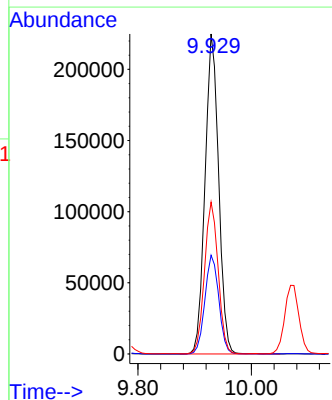
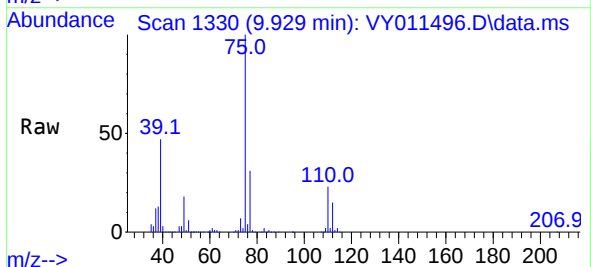
Instrument :  
MSVOA\_Y  
ClientSampleId :

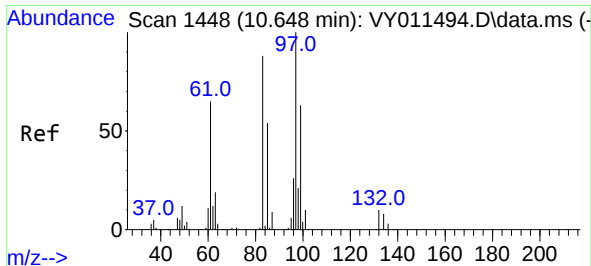
Tgt Ion: 75 Resp: 304633  
Ion Ratio Lower Upper  
75 100  
77 31.0 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 123.830 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

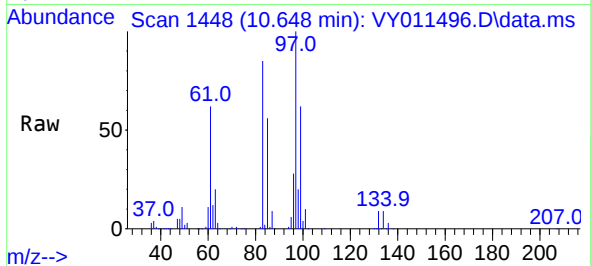
Tgt Ion: 75 Resp: 374623  
Ion Ratio Lower Upper  
75 100  
77 30.9 25.6 38.4  
39 47.4 47.6 71.4#





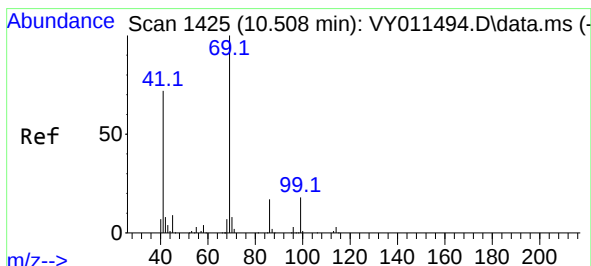
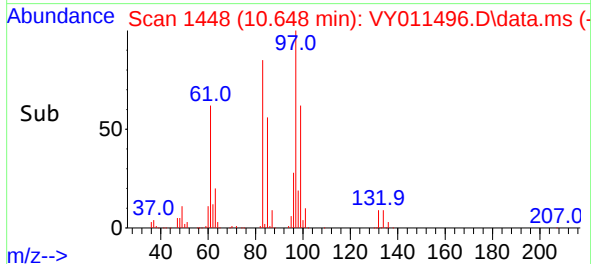
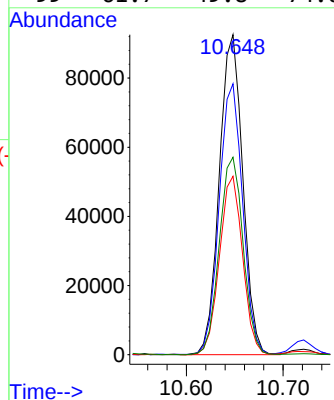
#55  
1,1,2-Trichloroethane  
Concen: 102.821 ug/l  
RT: 10.648 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 97 Resp: 156042

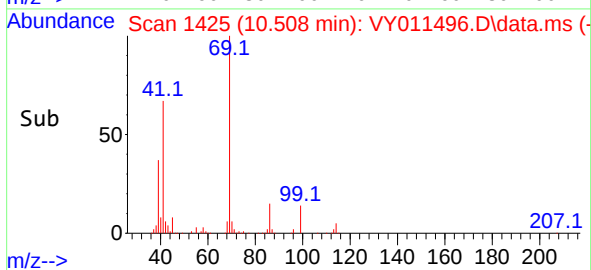
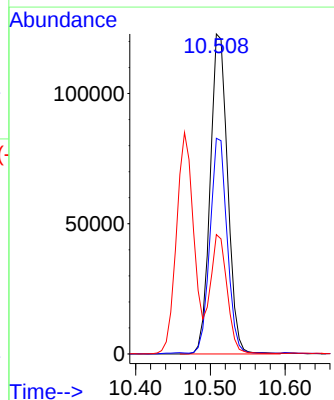
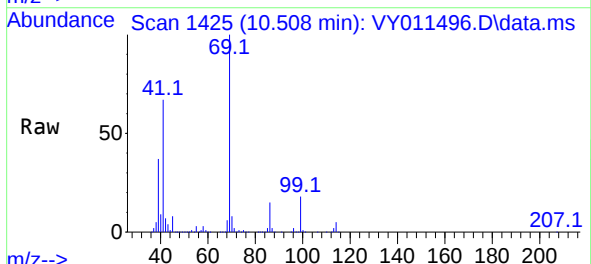
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.5  | 69.8  | 104.8 |
| 85  | 55.7  | 44.3  | 66.5  |
| 99  | 61.7  | 49.8  | 74.6  |

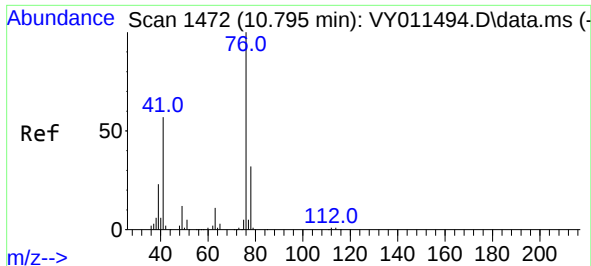


#56  
Ethyl methacrylate  
Concen: 104.767 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 69 Resp: 199392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 65.6  | 63.4  | 95.0  |
| 39  | 35.5  | 35.8  | 53.8  |





#57

1,3-Dichloropropane

Concen: 103.397 ug/l

RT: 10.794 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

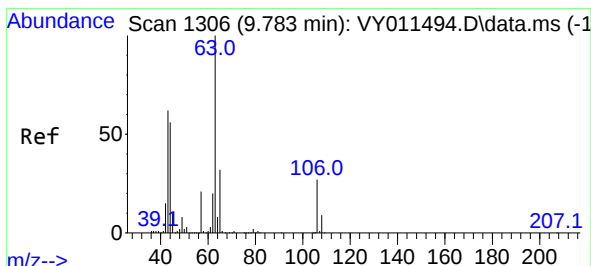
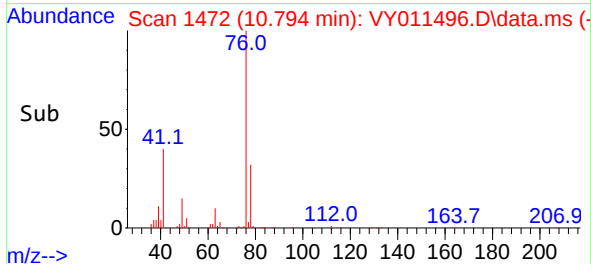
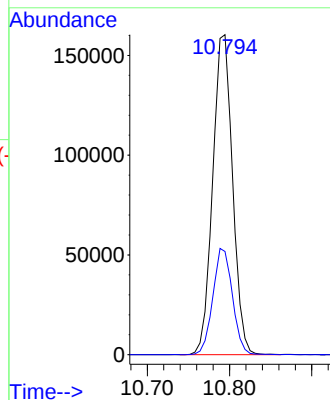
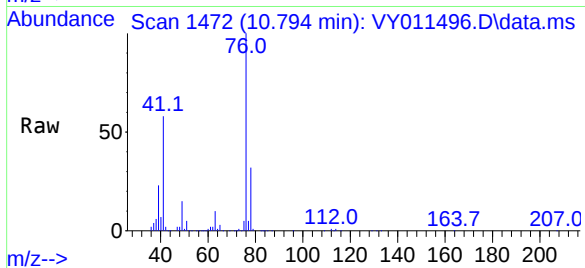
ClientSampleId :

Tgt Ion: 76 Resp: 268479

Ion Ratio Lower Upper

76 100

78 32.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 487.271 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY011496.D

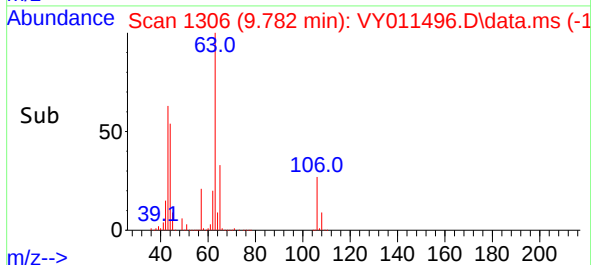
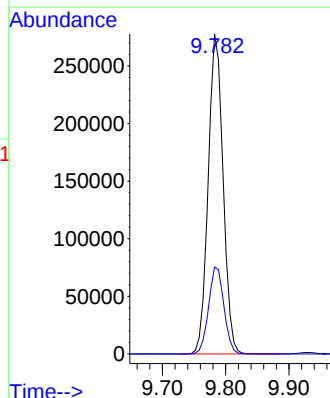
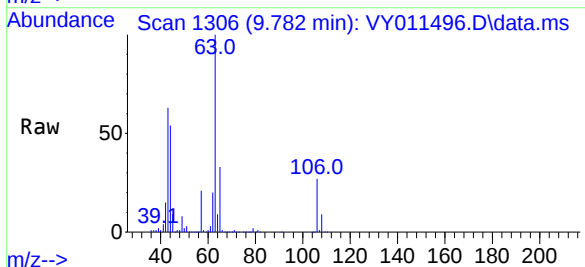
Acq: 18 Nov 2022 12:12

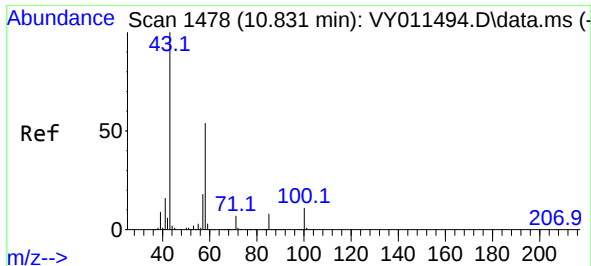
Tgt Ion: 63 Resp: 454663

Ion Ratio Lower Upper

63 100

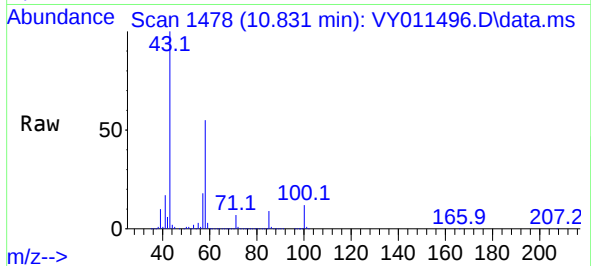
106 28.0 21.5 32.3



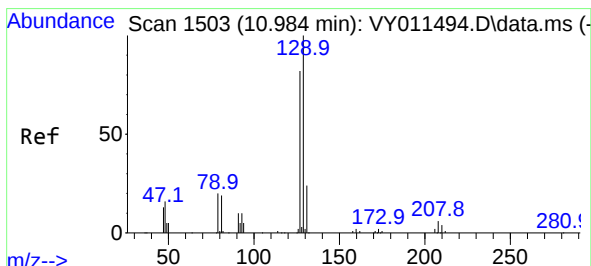
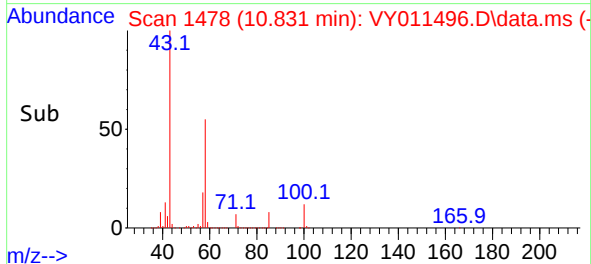
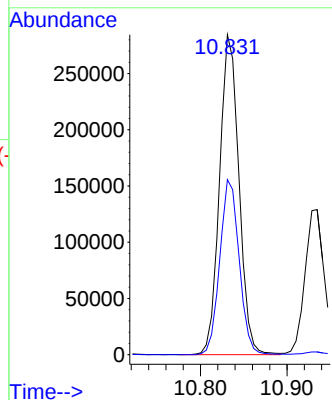


#59  
2-Hexanone  
Concen: 421.752 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

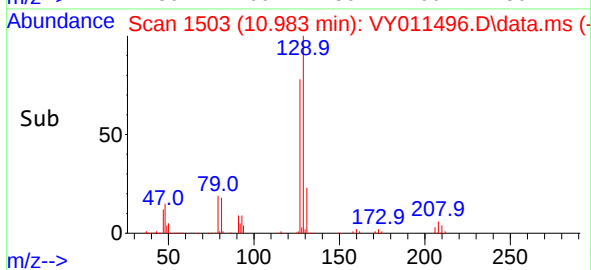
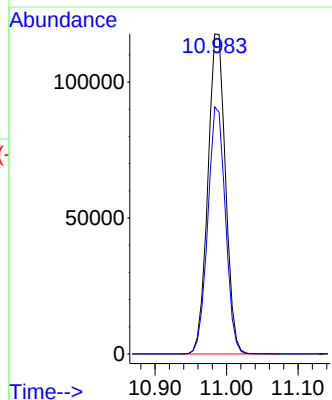
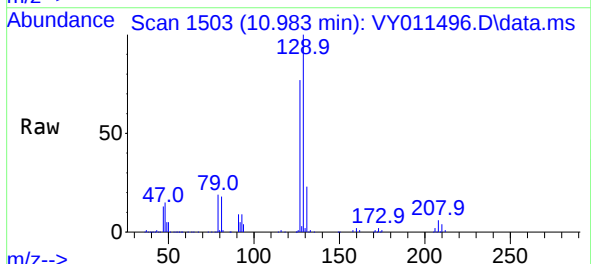


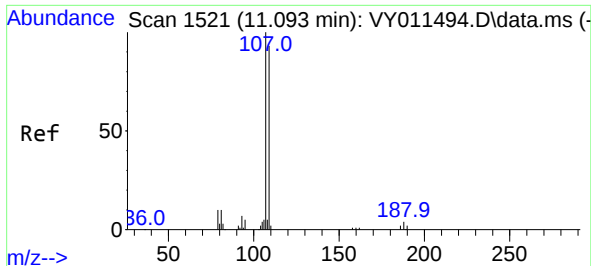
Tgt Ion: 43 Resp: 442563  
Ion Ratio Lower Upper  
43 100  
58 54.7 24.4 73.4



#60  
Dibromochloromethane  
Concen: 107.836 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 129 Resp: 201575  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.7 116.1

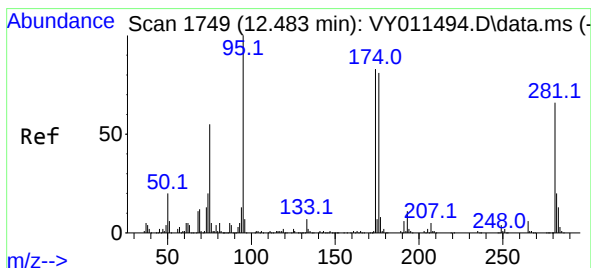
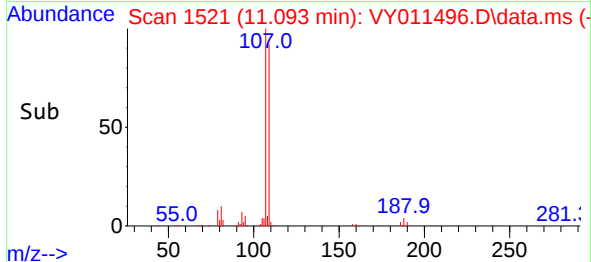
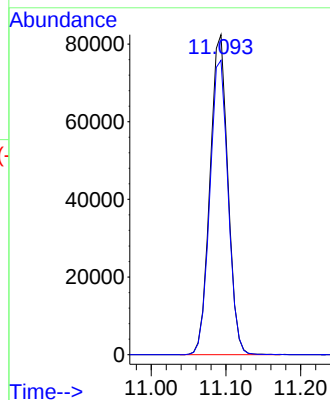
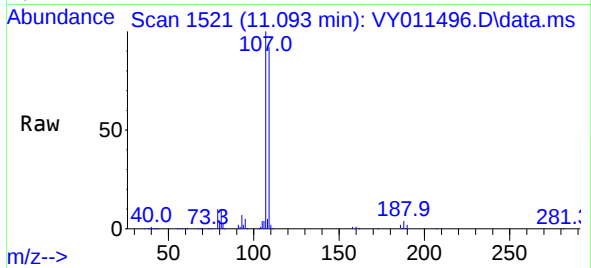




#61  
1,2-Dibromoethane  
Concen: 98.056 ug/l  
RT: 11.093 min Scan# 1521  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

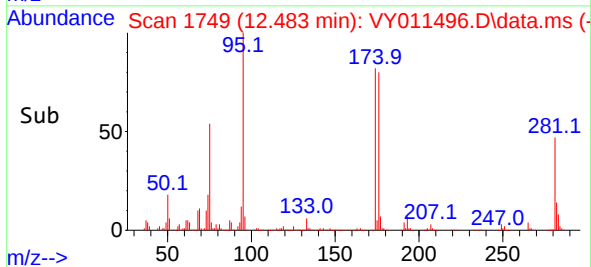
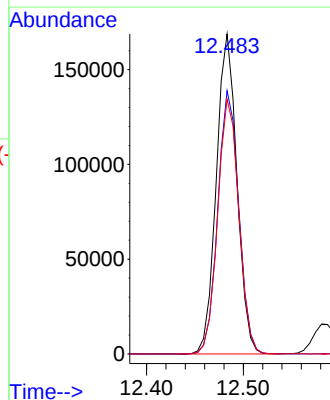
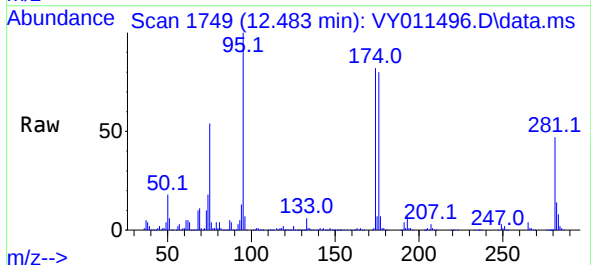
Instrument :  
MSVOA\_Y  
ClientSampleId :

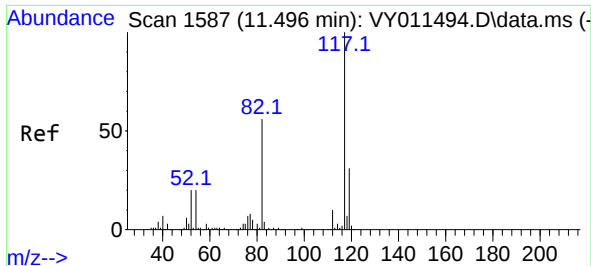
Tgt Ion:107 Resp: 136836  
Ion Ratio Lower Upper  
107 100  
109 93.8 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 114.900 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

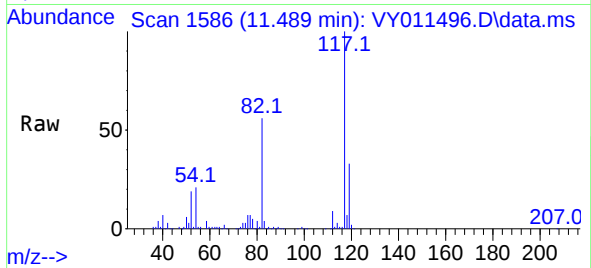
Tgt Ion: 95 Resp: 249620  
Ion Ratio Lower Upper  
95 100  
174 83.5 0.0 177.0  
176 81.5 0.0 175.8



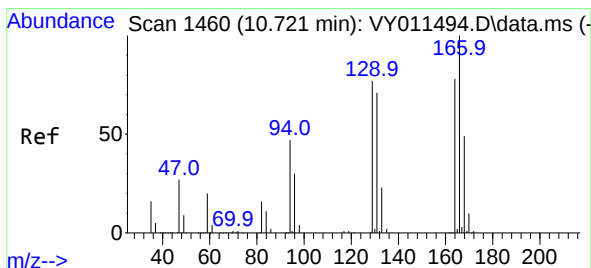
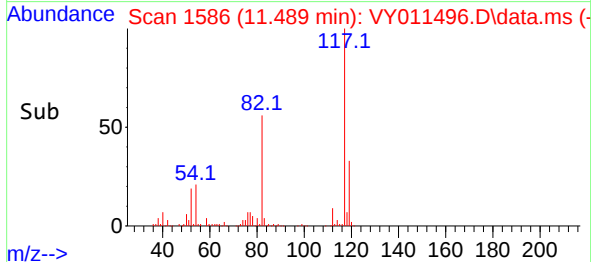
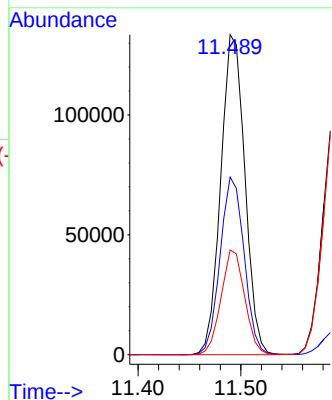


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

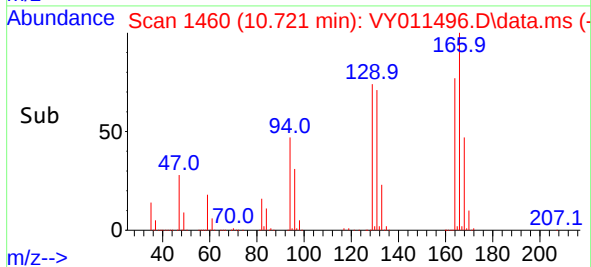
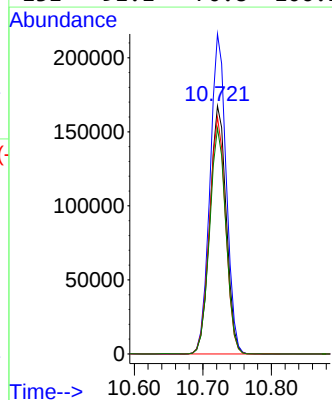
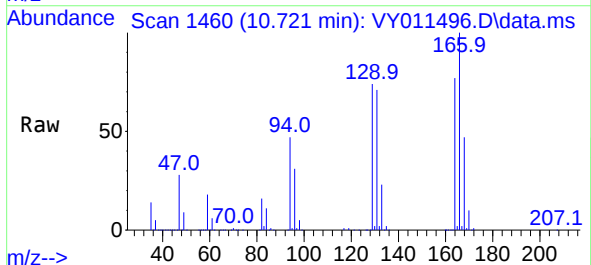


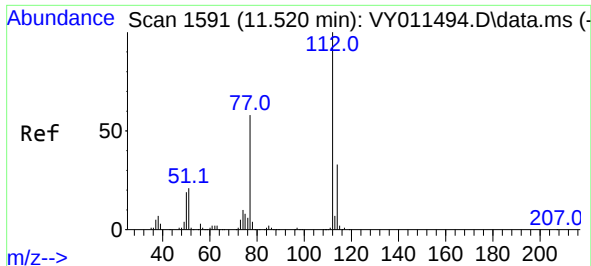
Tgt Ion:117 Resp: 217662  
Ion Ratio Lower Upper  
117 100  
82 55.5 43.0 64.4  
119 32.7 25.4 38.0



#64  
Tetrachloroethene  
Concen: 155.586 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

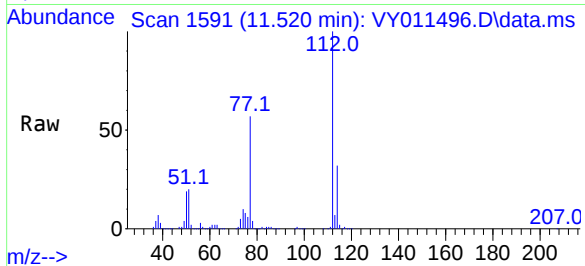
Tgt Ion:164 Resp: 278001  
Ion Ratio Lower Upper  
164 100  
166 129.1 100.4 150.6  
129 95.5 71.4 107.0  
131 91.1 70.8 106.2



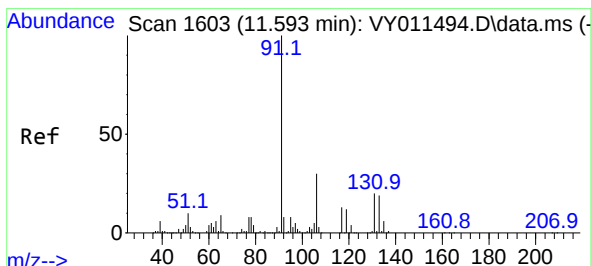
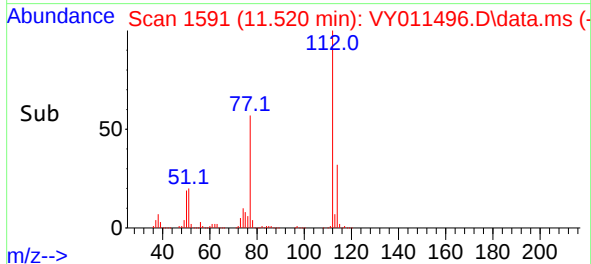
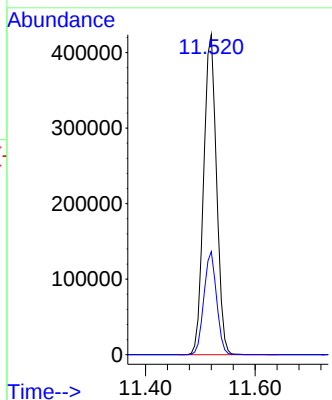


#65  
Chlorobenzene  
Concen: 150.915 ug/l  
RT: 11.520 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

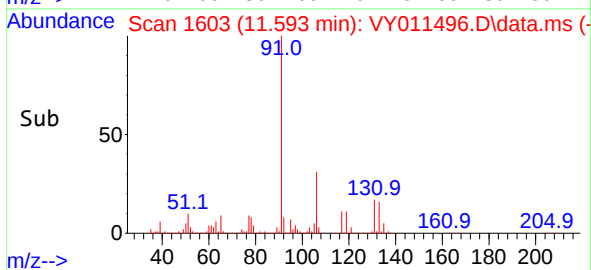
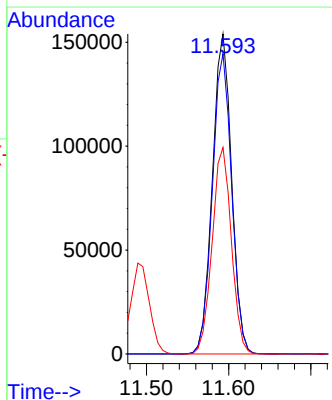
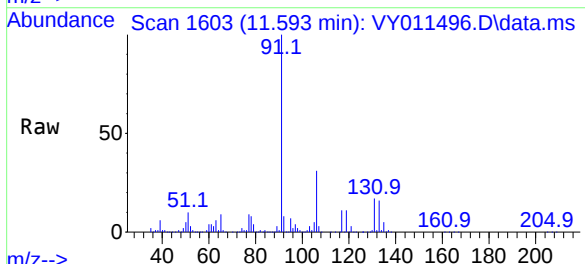


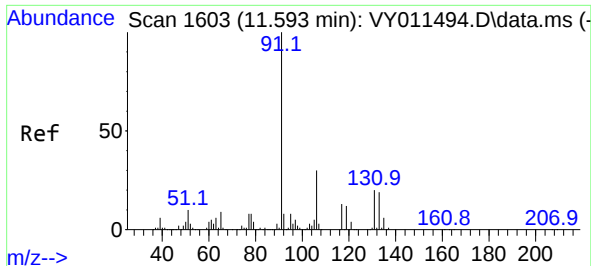
Tgt Ion:112 Resp: 688558  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 143.883 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:131 Resp: 249463  
Ion Ratio Lower Upper  
131 100  
133 94.5 47.9 143.6  
119 64.6 30.8 92.3





#67

Ethyl Benzene

Concen: 171.655 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. -0.000 min

Lab File: VY011496.D

Acq: 18 Nov 2022 12:12

Instrument :

MSVOA\_Y

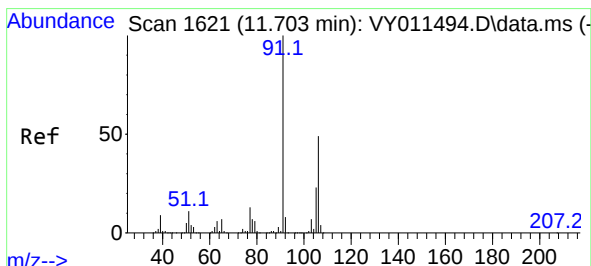
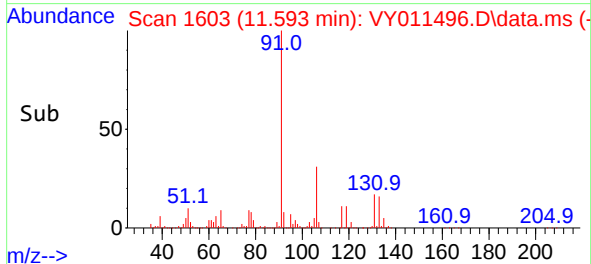
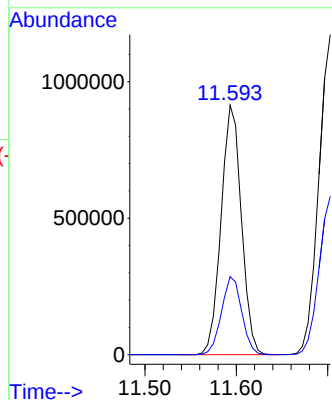
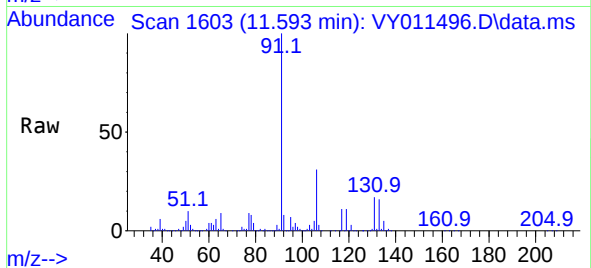
ClientSampleId :

Tgt Ion: 91 Resp: 1410286

Ion Ratio Lower Upper

91 100

106 31.3 24.5 36.7



#68

m/p-Xylenes

Concen: 339.253 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY011496.D

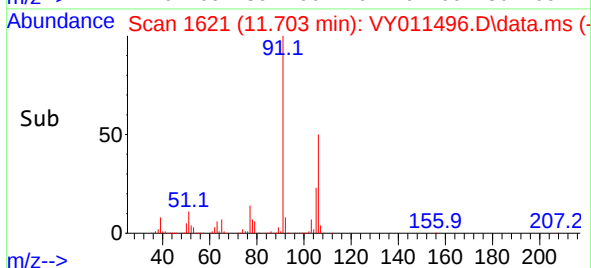
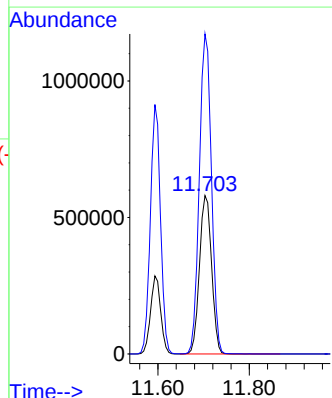
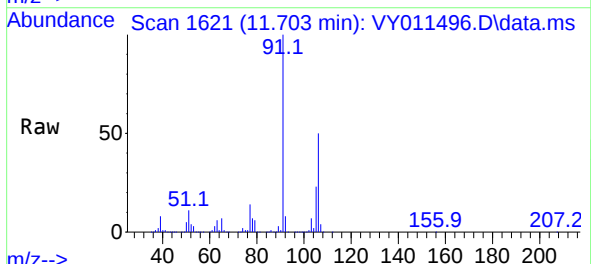
Acq: 18 Nov 2022 12:12

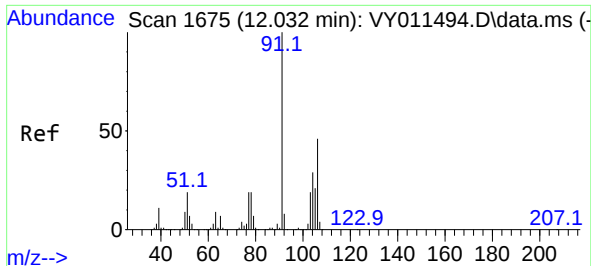
Tgt Ion:106 Resp: 1064104

Ion Ratio Lower Upper

106 100

91 201.5 166.6 249.8

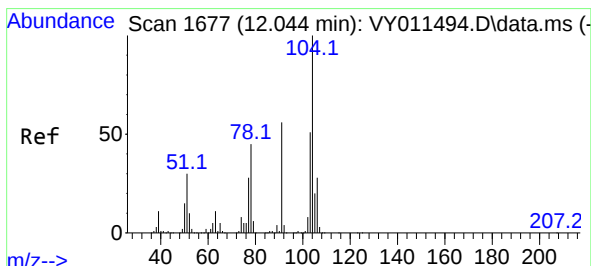
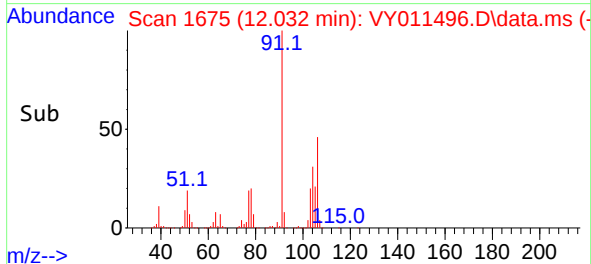
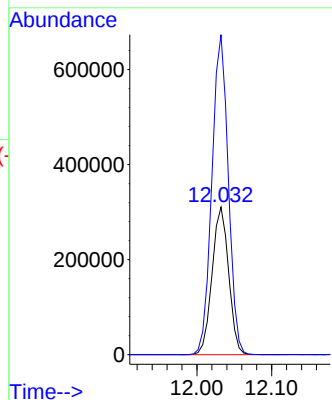
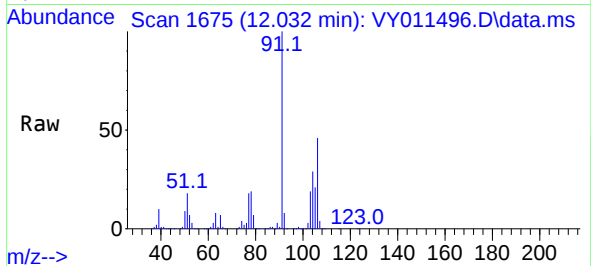




#69  
o-Xylene  
Concen: 163.875 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

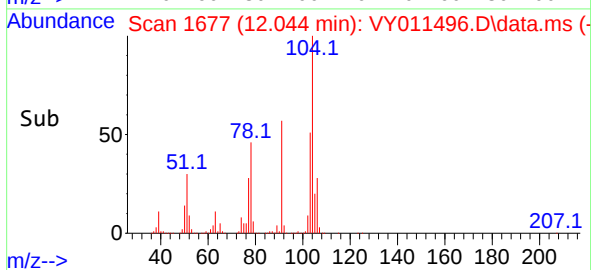
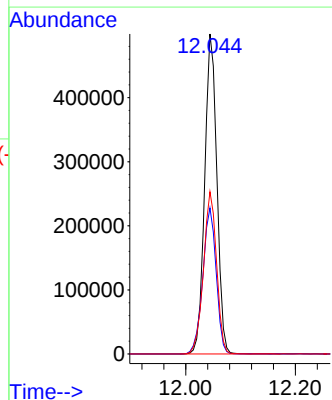
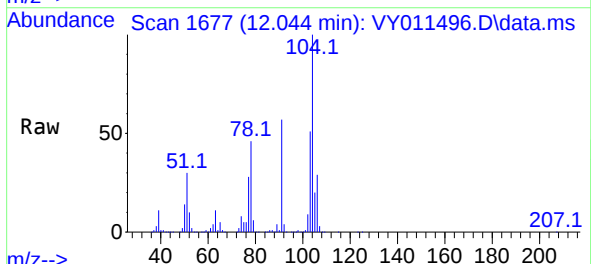
Instrument :  
MSVOA\_Y  
ClientSampleId :

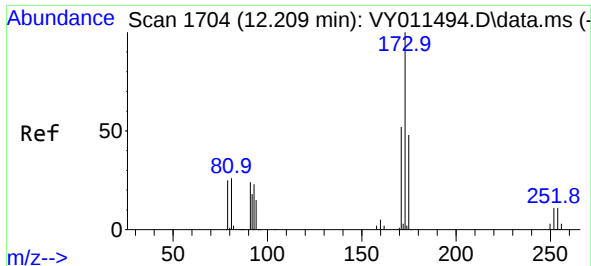
Tgt Ion:106 Resp: 479442  
Ion Ratio Lower Upper  
106 100  
91 214.9 110.3 331.0



#70  
Styrene  
Concen: 154.655 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:104 Resp: 768750  
Ion Ratio Lower Upper  
104 100  
78 50.1 42.4 63.6  
103 54.7 44.4 66.6

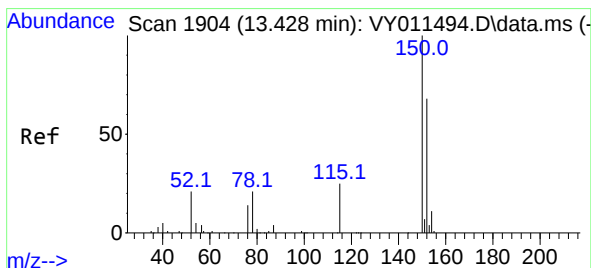
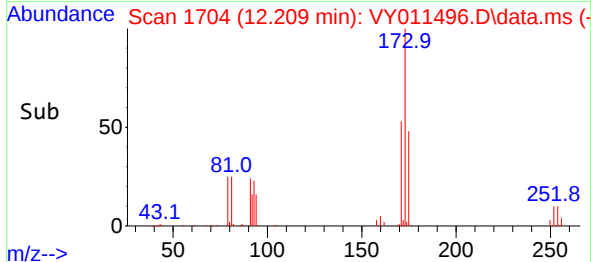
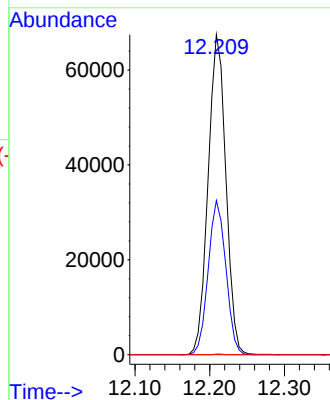
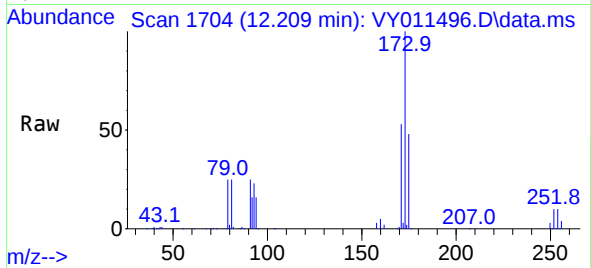




#71  
Bromoform  
Concen: 105.497 ug/l  
RT: 12.209 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

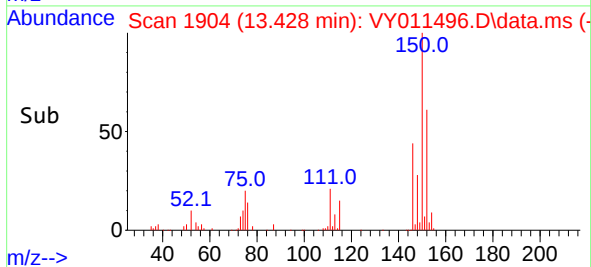
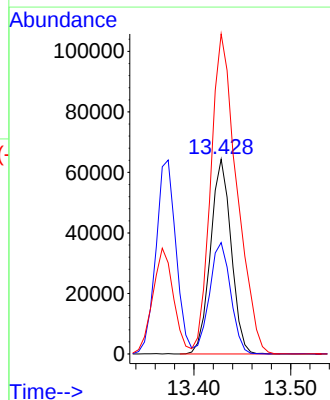
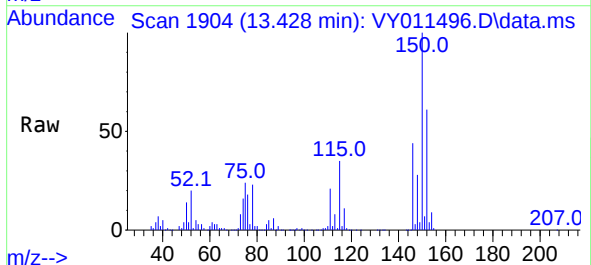
Instrument :  
MSVOA\_Y  
ClientSampleId :

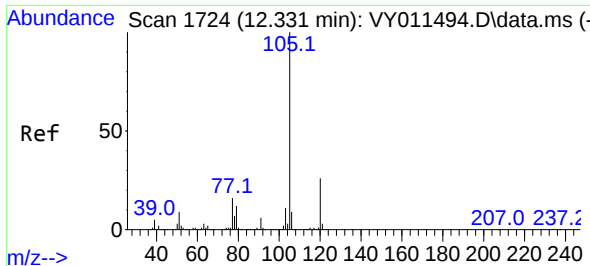
Tgt Ion:173 Resp: 111382  
Ion Ratio Lower Upper  
173 100  
175 47.8 24.6 74.0  
254 0.1 0.0 0.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:152 Resp: 95529  
Ion Ratio Lower Upper  
152 100  
115 58.7 28.2 84.7  
150 208.0 0.0 347.6

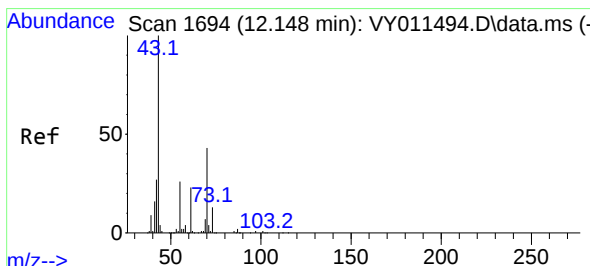
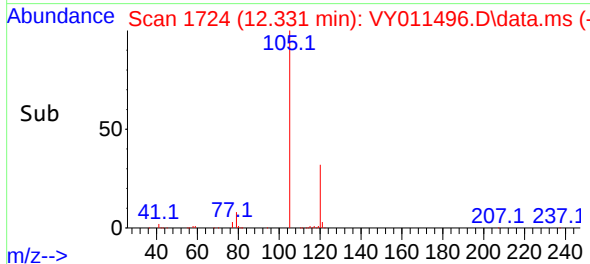
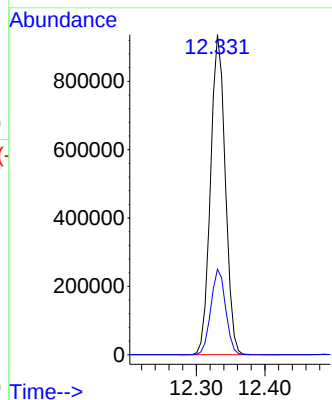
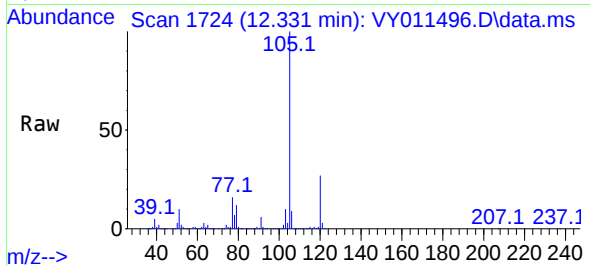




#73  
Isopropylbenzene  
Concen: 202.868 ug/l  
RT: 12.331 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

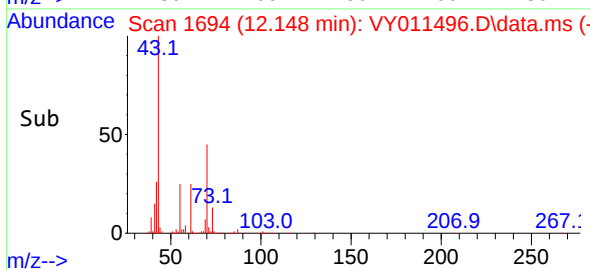
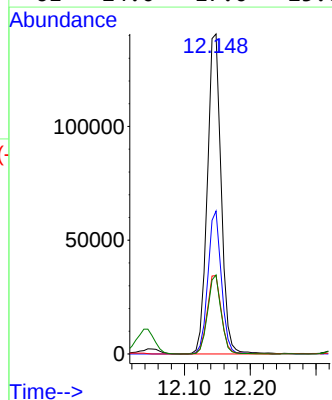
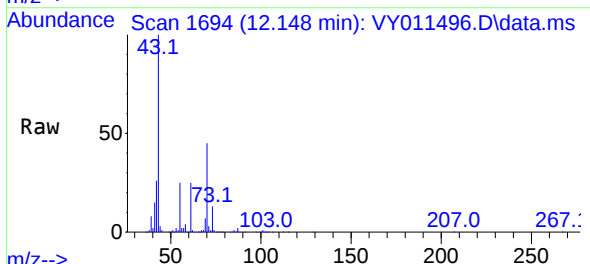
Instrument :  
MSVOA\_Y  
ClientSampleId :

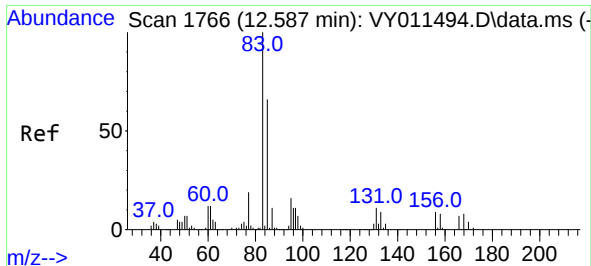
Tgt Ion:105 Resp: 1400015  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.4 40.2



#74  
N-ethyl acetate  
Concen: 120.326 ug/l  
RT: 12.148 min Scan# 1694  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 43 Resp: 205790  
Ion Ratio Lower Upper  
43 100  
70 43.5 28.7 43.1#  
55 25.3 17.3 25.9  
61 24.0 17.0 25.6

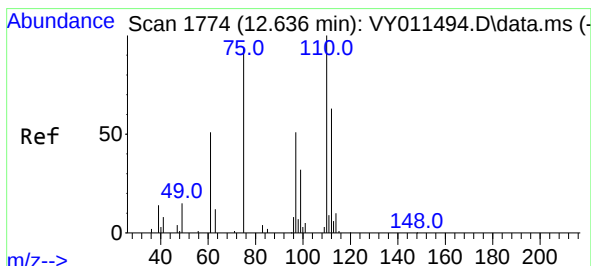
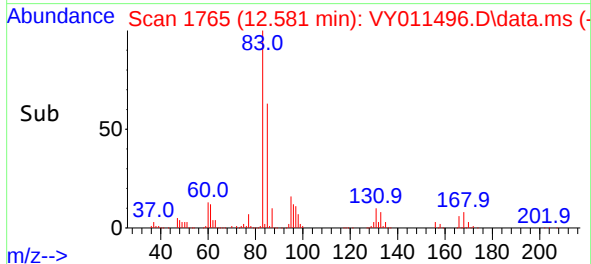
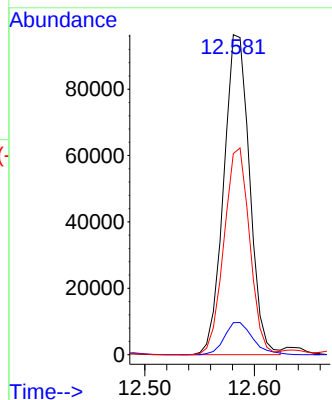
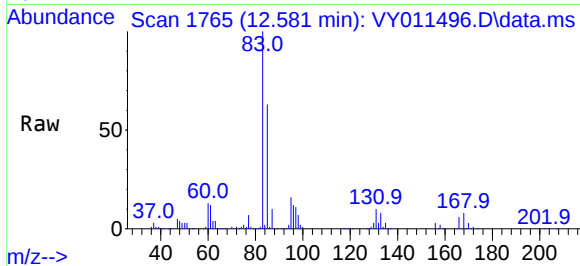




#75  
1,1,2,2-Tetrachloroethane  
Concen: 116.558 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

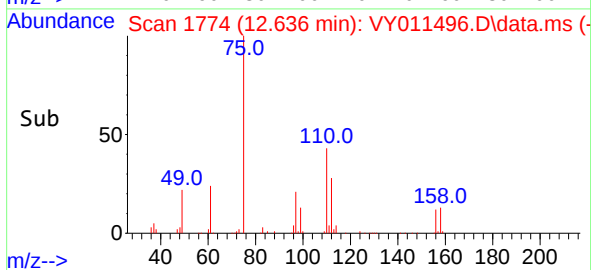
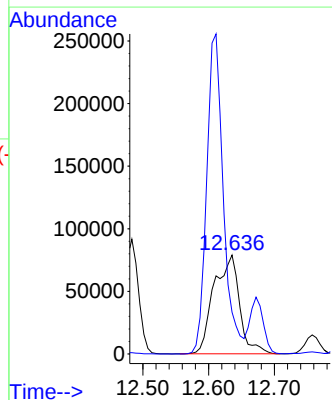
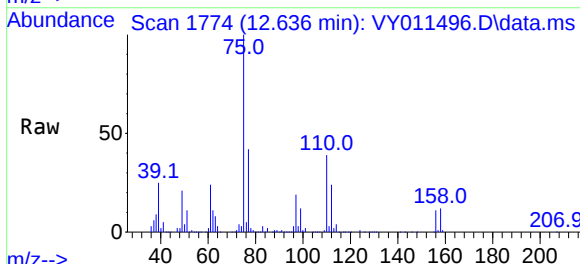
Instrument :  
MSVOA\_Y  
ClientSampleId :

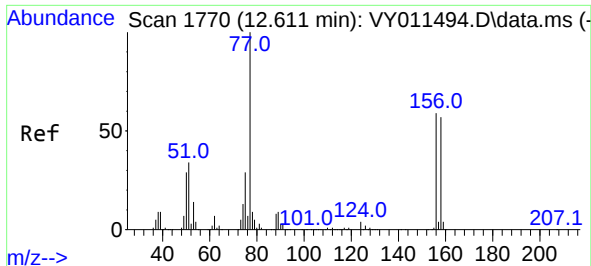
Tgt Ion: 83 Resp: 158170  
Ion Ratio Lower Upper  
83 100  
131 11.0 5.6 16.8  
85 64.3 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 181.072 ug/l  
RT: 12.636 min Scan# 1774  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

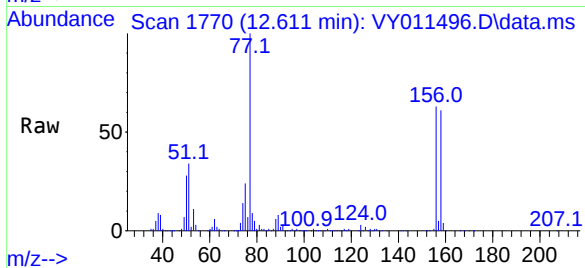
Tgt Ion: 75 Resp: 214380  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



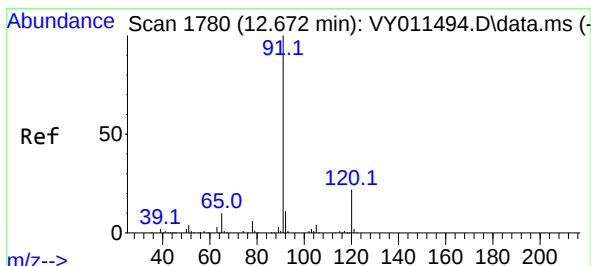
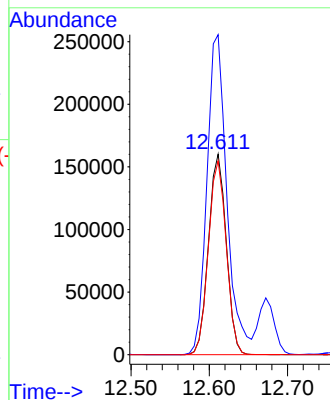
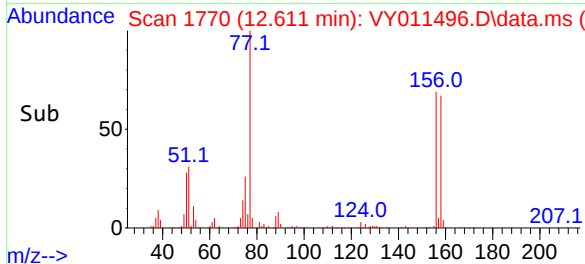


#77  
Bromobenzene  
Concen: 155.918 ug/l  
RT: 12.611 min Scan# 1770  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

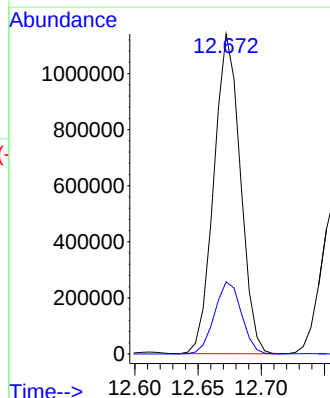
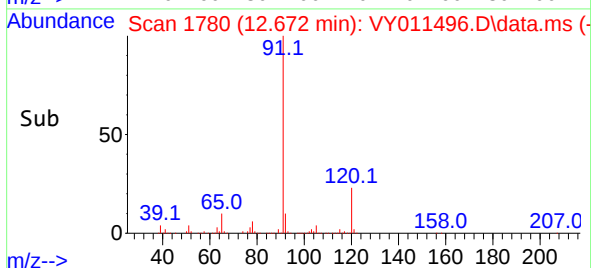
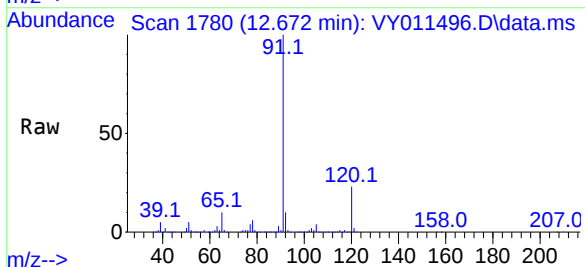


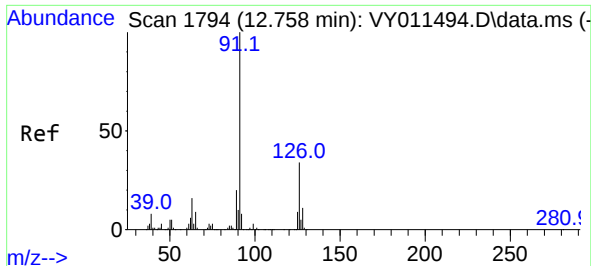
Tgt Ion:156 Resp: 252277  
Ion Ratio Lower Upper  
156 100  
77 179.1 95.5 286.4  
158 97.1 48.0 144.0



#78  
n-propylbenzene  
Concen: 196.729 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 91 Resp: 1658658  
Ion Ratio Lower Upper  
91 100  
120 23.0 11.3 33.9

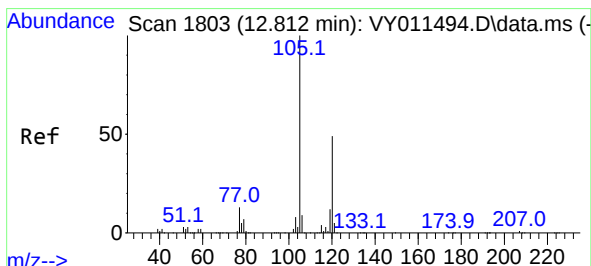
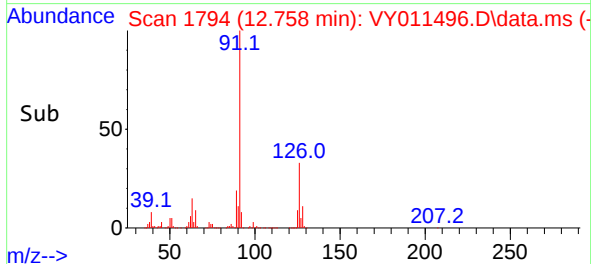
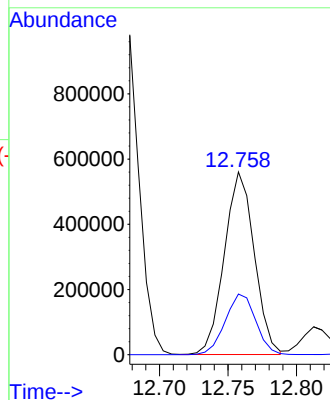
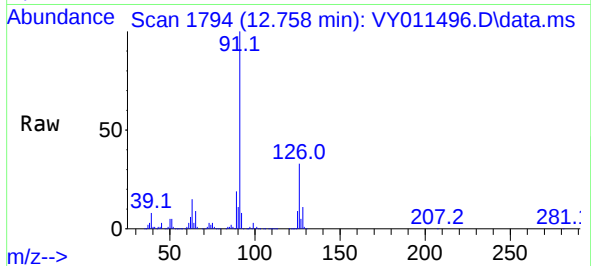




#79  
2-Chlorotoluene  
Concen: 179.056 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

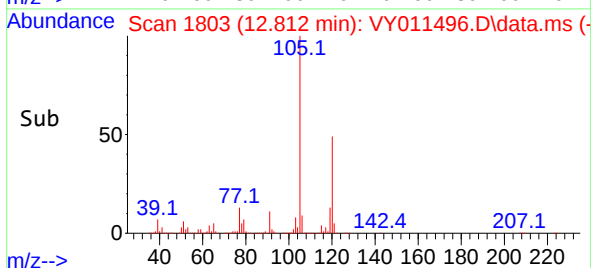
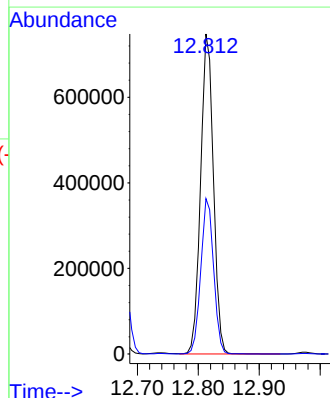
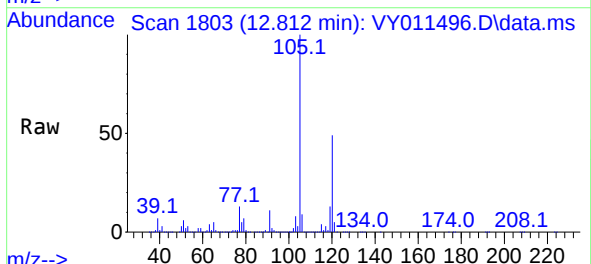
Instrument :  
MSVOA\_Y  
ClientSampleId :

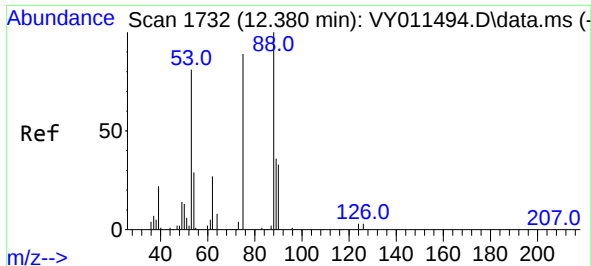
Tgt Ion: 91 Resp: 851578  
Ion Ratio Lower Upper  
91 100  
126 34.0 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 187.651 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion: 105 Resp: 1091247  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.4 73.4

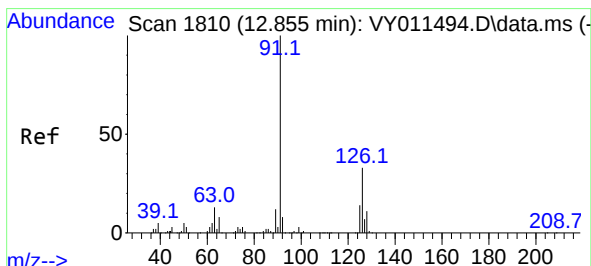
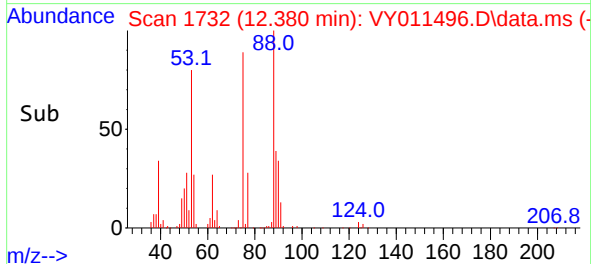
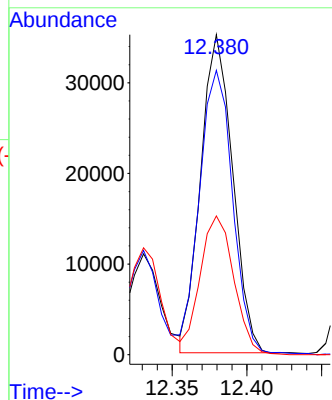
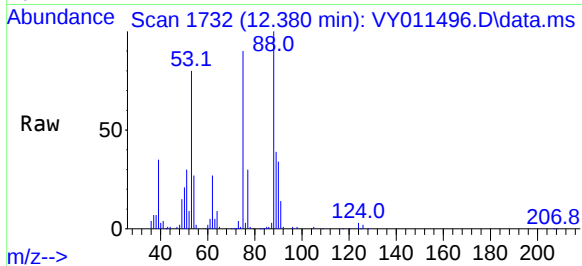




#81  
trans-1,4-Dichloro-2-butene  
Concen: 111.804 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

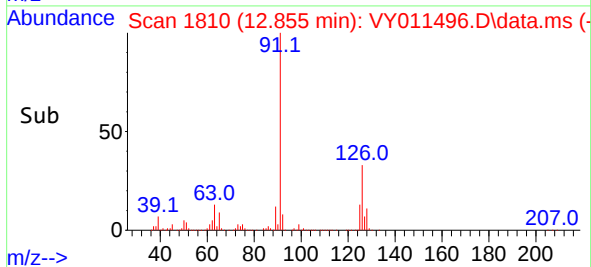
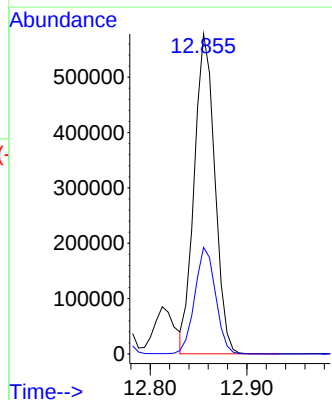
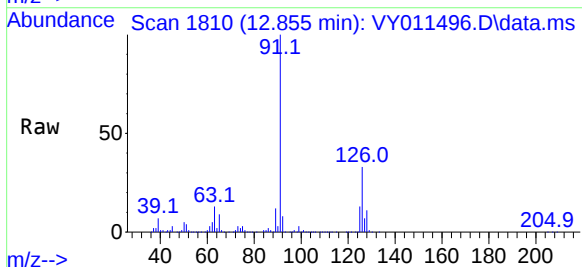
Instrument :  
MSVOA\_Y  
ClientSampleId :

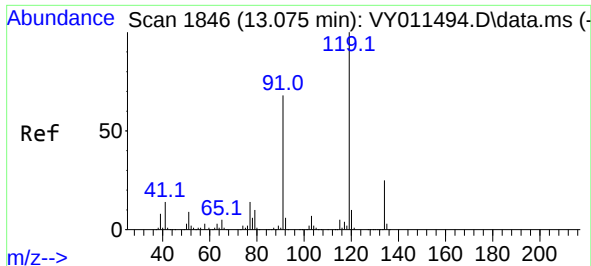
Tgt Ion: 75 Resp: 52180  
Ion Ratio Lower Upper  
75 100  
53 94.6 85.3 127.9  
89 46.0 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 171.639 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

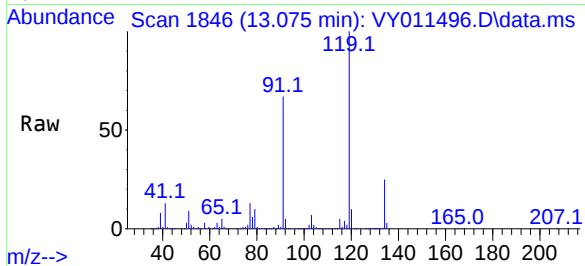
Tgt Ion: 91 Resp: 852005  
Ion Ratio Lower Upper  
91 100  
126 33.9 17.0 51.0



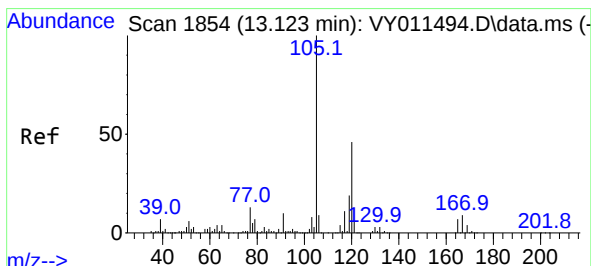
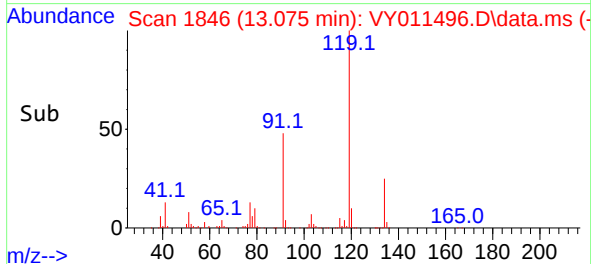
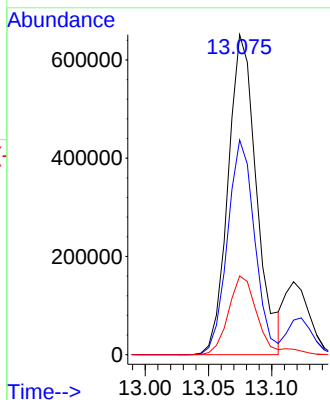


#83  
tert-Butylbenzene  
Concen: 201.099 ug/l  
RT: 13.075 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

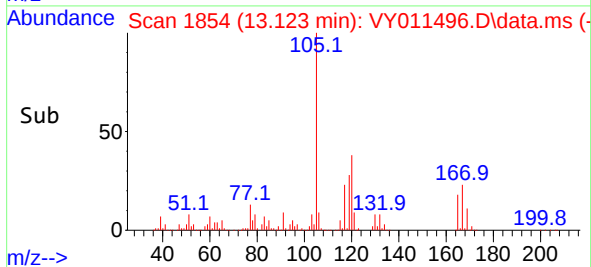
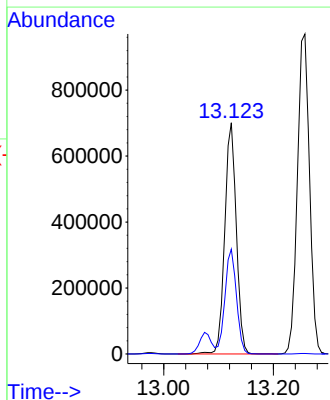
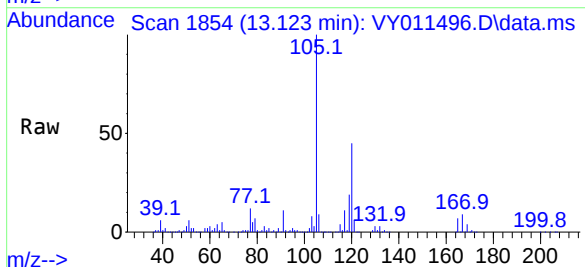


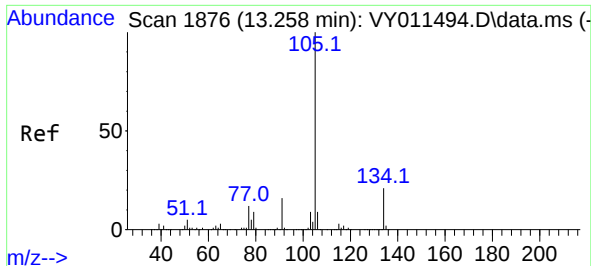
Tgt Ion:119 Resp: 1020029  
Ion Ratio Lower Upper  
119 100  
91 64.4 34.8 104.4  
134 25.4 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 178.960 ug/l  
RT: 13.123 min Scan# 1854  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:105 Resp: 1029561  
Ion Ratio Lower Upper  
105 100  
120 45.3 22.3 66.9

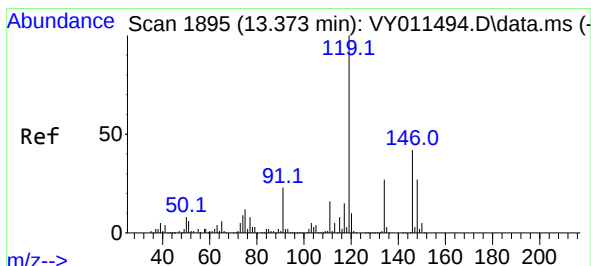
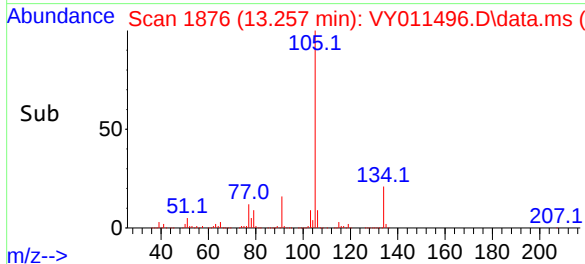
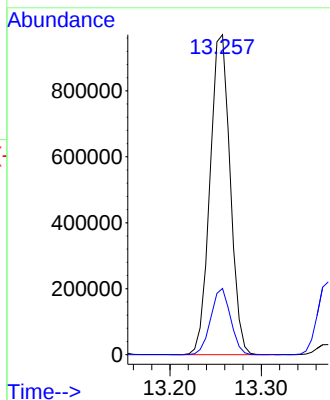
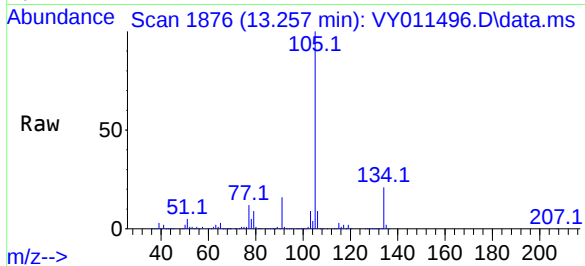




#85  
 sec-Butylbenzene  
 Concen: 195.885 ug/l  
 RT: 13.257 min Scan# 1876  
 Delta R.T. -0.000 min  
 Lab File: VY011496.D  
 Acq: 18 Nov 2022 12:12

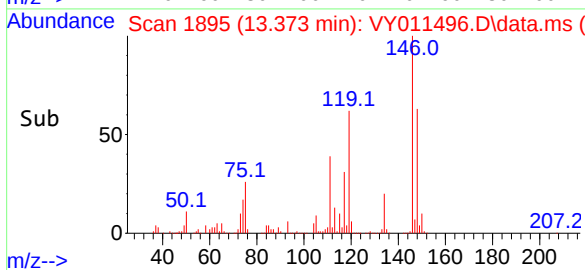
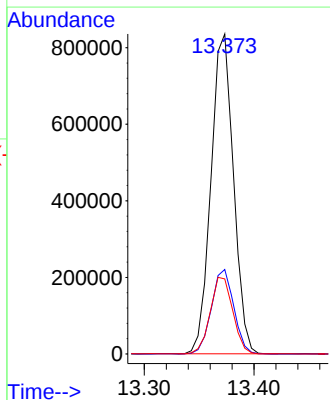
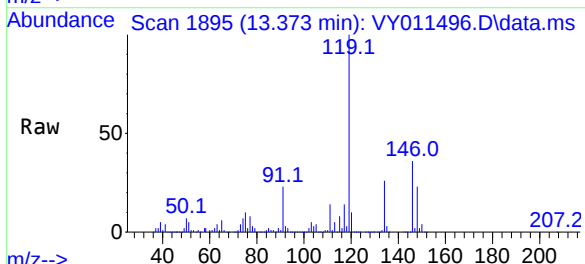
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

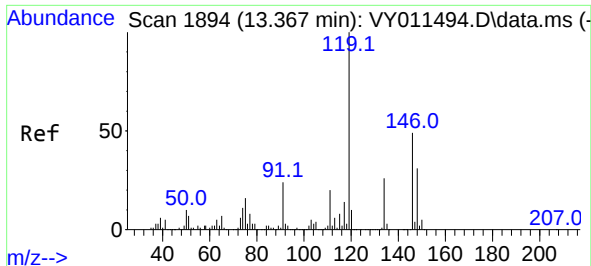
Tgt Ion:105 Resp: 1483654  
 Ion Ratio Lower Upper  
 105 100  
 134 20.3 10.2 30.4



#86  
 p-Isopropyltoluene  
 Concen: 188.876 ug/l  
 RT: 13.373 min Scan# 1895  
 Delta R.T. -0.000 min  
 Lab File: VY011496.D  
 Acq: 18 Nov 2022 12:12

Tgt Ion:119 Resp: 1192803  
 Ion Ratio Lower Upper  
 119 100  
 134 26.2 13.2 39.5  
 91 24.0 12.4 37.2

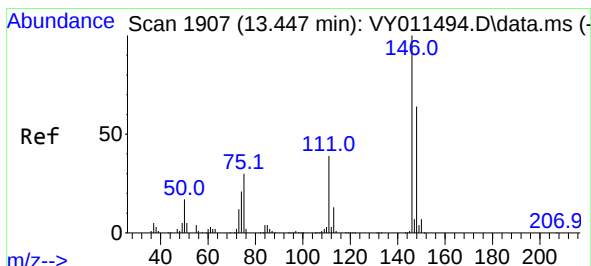
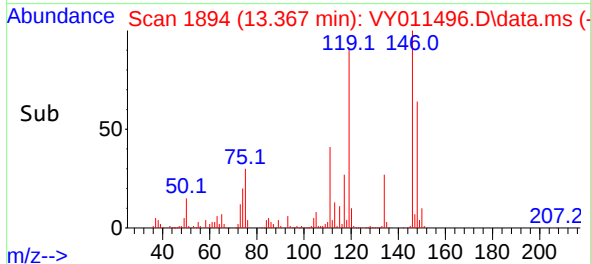
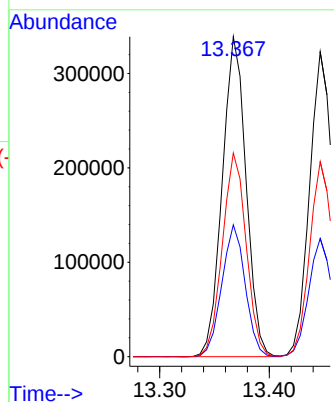
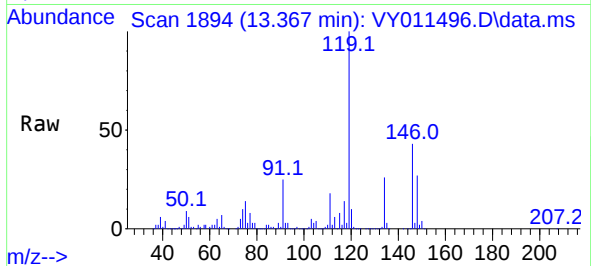




#87  
1,3-Dichlorobenzene  
Concen: 155.857 ug/l  
RT: 13.367 min Scan# 1894  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

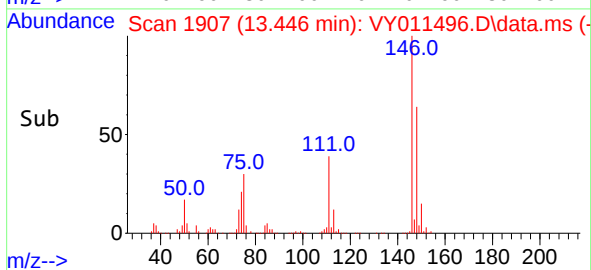
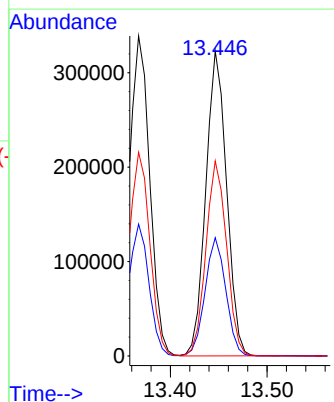
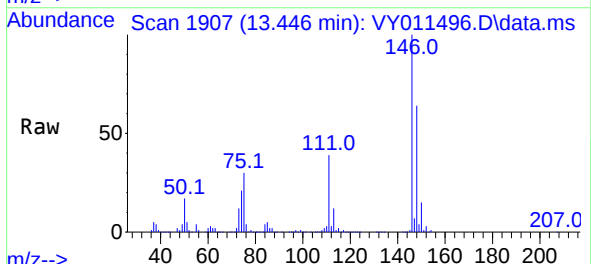
Instrument :  
MSVOA\_Y  
ClientSampleId :

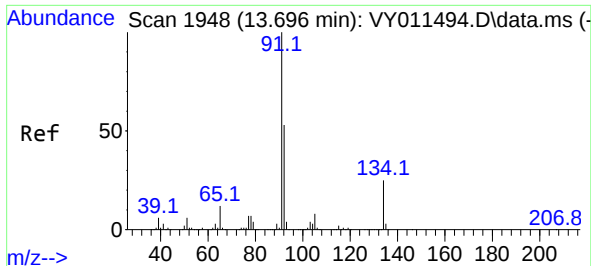
Tgt Ion:146 Resp: 512135  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.5 58.5  
148 63.6 31.6 95.0



#88  
1,4-Dichlorobenzene  
Concen: 147.320 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:146 Resp: 482734  
Ion Ratio Lower Upper  
146 100  
111 38.8 19.3 57.8  
148 63.8 32.6 97.8

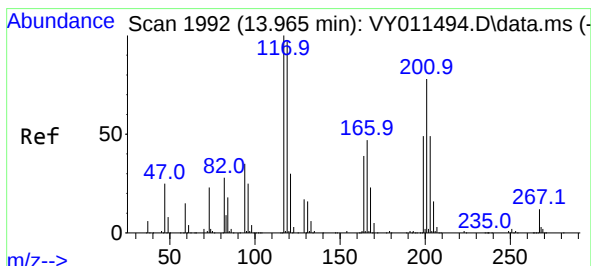
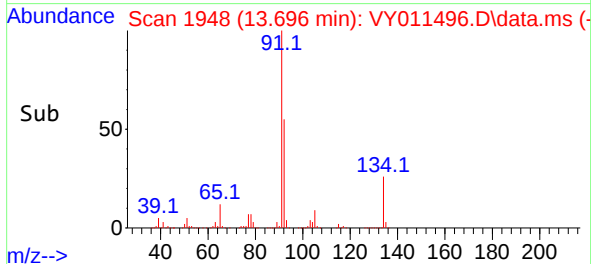
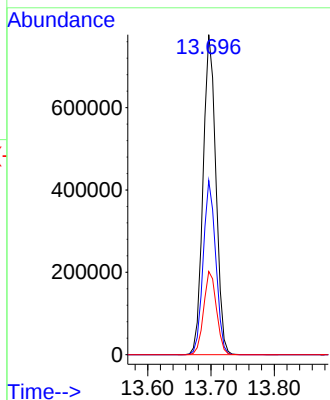
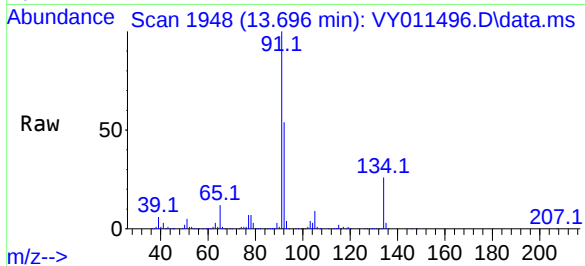




#89  
n-Butylbenzene  
Concen: 188.729 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

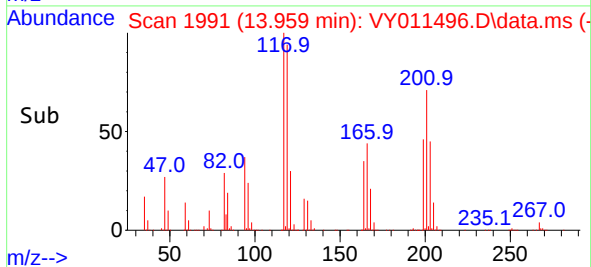
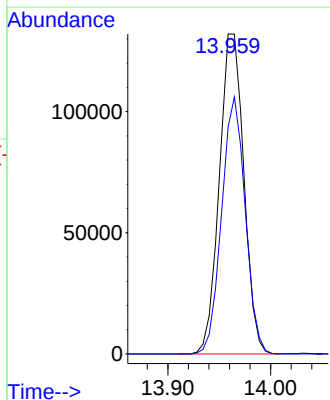
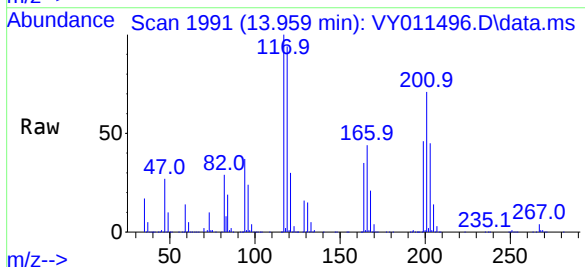
Instrument :  
MSVOA\_Y  
ClientSampleId :

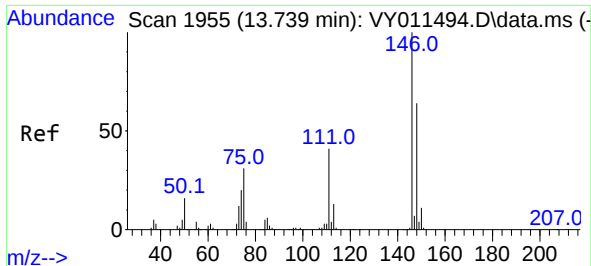
Tgt Ion: 91 Resp: 1096751  
Ion Ratio Lower Upper  
91 100  
92 53.4 26.3 78.9  
134 26.1 13.0 38.9



#90  
Hexachloroethane  
Concen: 172.402 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

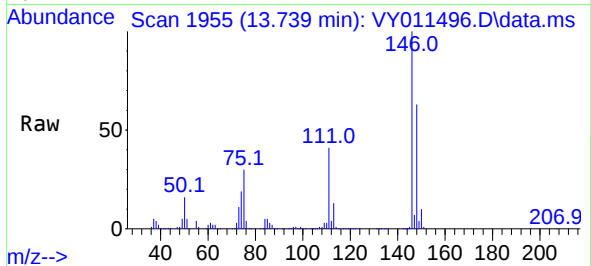
Tgt Ion: 117 Resp: 218818  
Ion Ratio Lower Upper  
117 100  
201 77.1 43.0 128.8



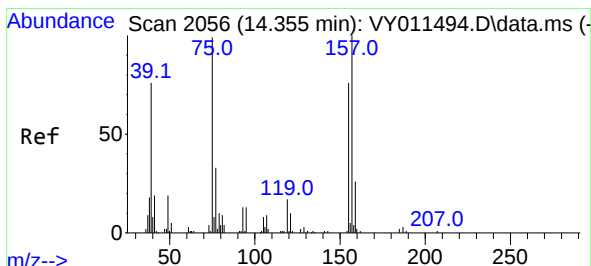
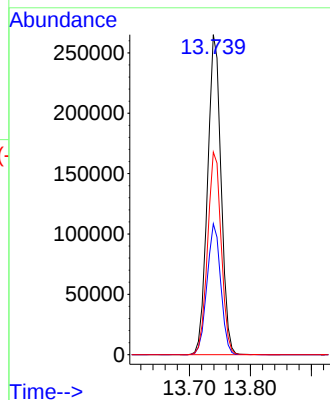
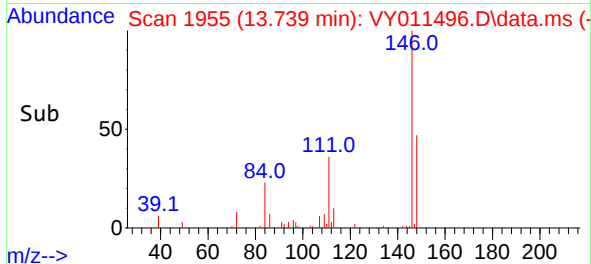


#91  
1,2-Dichlorobenzene  
Concen: 140.645 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

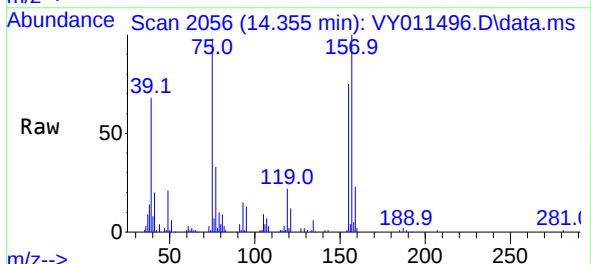
Instrument :  
MSVOA\_Y  
ClientSampleId :



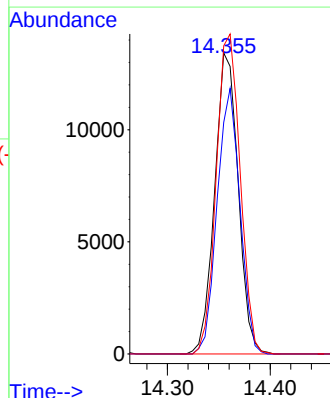
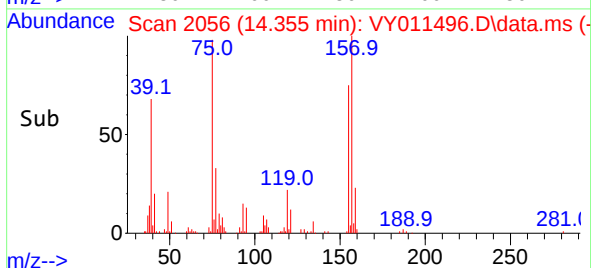
Tgt Ion:146 Resp: 408722  
Ion Ratio Lower Upper  
146 100  
111 41.5 20.3 60.9  
148 63.8 32.3 96.9

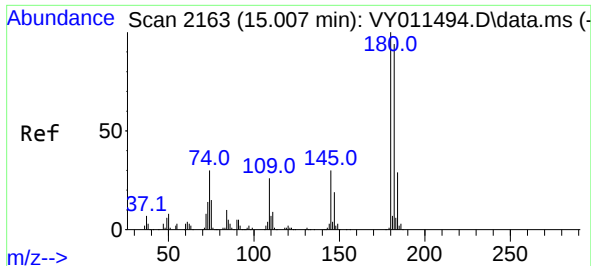


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 95.233 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12



Tgt Ion: 75 Resp: 21367  
Ion Ratio Lower Upper  
75 100  
155 85.2 38.0 113.9  
157 107.8 47.8 143.3

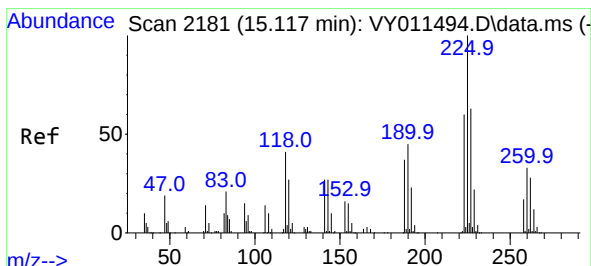
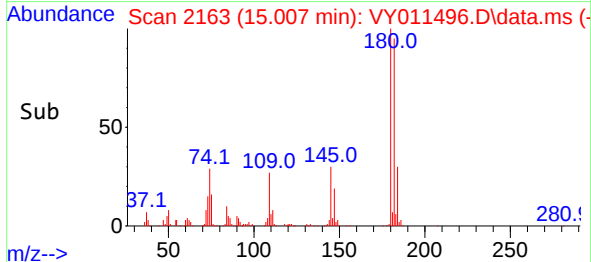
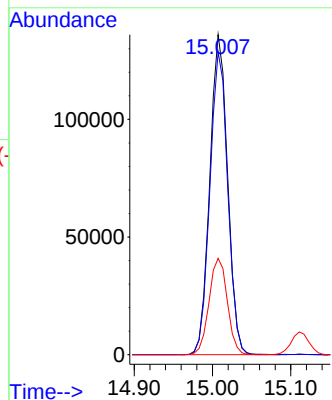
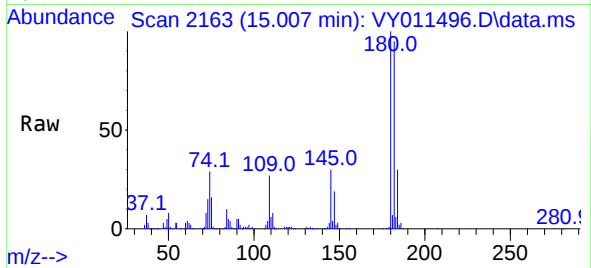




#93  
1,2,4-Trichlorobenzene  
Concen: 134.121 ug/l  
RT: 15.007 min Scan# 2163  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

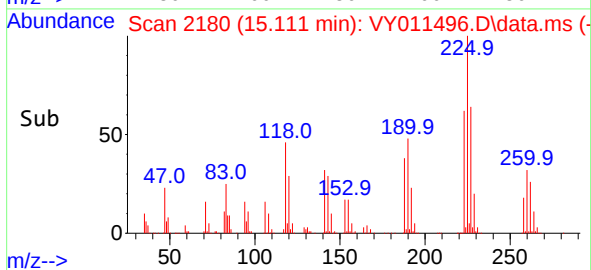
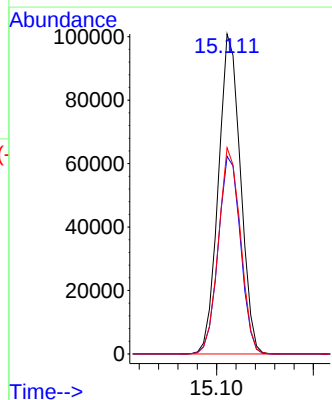
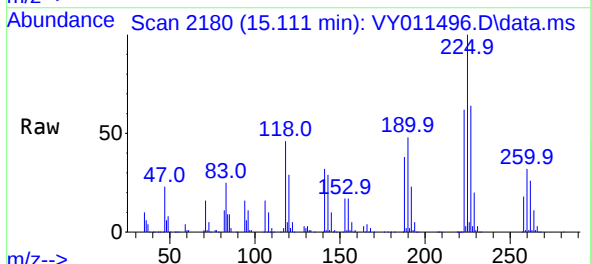
Instrument :  
MSVOA\_Y  
ClientSampleId :

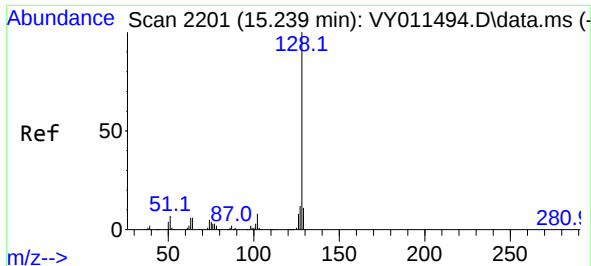
Tgt Ion:180 Resp: 214518  
Ion Ratio Lower Upper  
180 100  
182 94.7 47.3 141.9  
145 30.9 14.6 43.8



#94  
Hexachlorobutadiene  
Concen: 158.481 ug/l  
RT: 15.111 min Scan# 2180  
Delta R.T. -0.006 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Tgt Ion:225 Resp: 159532  
Ion Ratio Lower Upper  
225 100  
223 62.2 30.8 92.3  
227 64.3 31.6 94.7

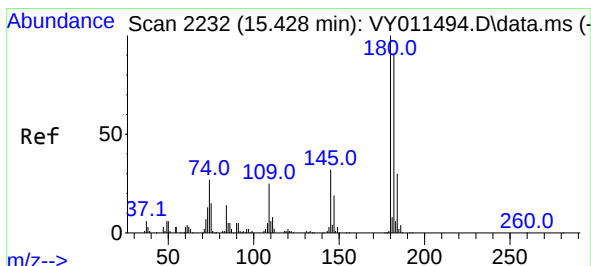
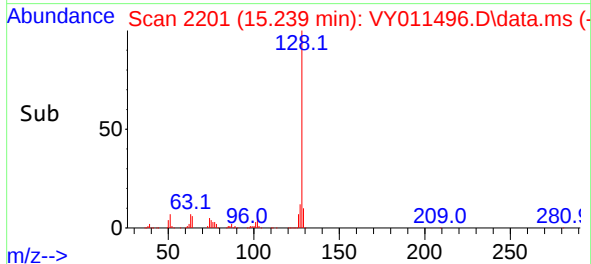
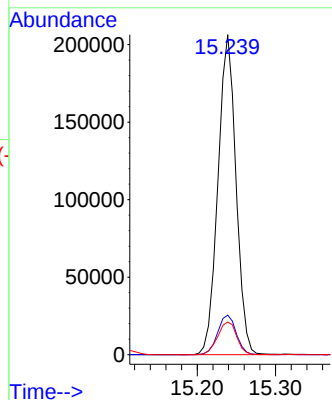
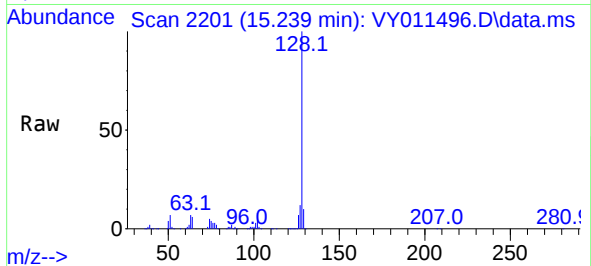




#95  
Naphthalene  
Concen: 109.974 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

Instrument :  
MSVOA\_Y  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 330990 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 11.0  | 16.4   |
| 129      | 10.8  | 8.4   | 12.6   |



#96  
1,2,3-Trichlorobenzene  
Concen: 119.412 ug/l  
RT: 15.428 min Scan# 2232  
Delta R.T. -0.000 min  
Lab File: VY011496.D  
Acq: 18 Nov 2022 12:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 163398 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.7  | 47.3  | 141.9  |
| 145      | 32.9  | 15.3  | 45.9   |

