

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071023\  
 Data File : VY014610.D  
 Acq On : 10 Jul 2023 12:09  
 Operator : SY/MD  
 Sample : VY0710SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 11 03:14:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 332347   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 482838   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 444536   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 243369   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 164235   | 49.676   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 99.360%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 156971   | 52.793   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.580% |
| 50) Toluene-d8              | 10.179 | 98    | 610345   | 51.927   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 103.860% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 209629   | 51.361   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 102.720% |

|                              |       |     |        |        |        |     |
|------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds             |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 63314  | 24.207 | ug/l   | 93  |
| 3) Chloromethane             | 2.113 | 50  | 87034  | 22.612 | ug/l   | 96  |
| 4) Vinyl Chloride            | 2.247 | 62  | 101200 | 22.810 | ug/l   | 96  |
| 5) Bromomethane              | 2.631 | 94  | 75615  | 21.980 | ug/l   | 95  |
| 6) Chloroethane              | 2.784 | 64  | 62671  | 21.938 | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 3.119 | 101 | 118058 | 21.910 | ug/l   | 99  |
| 8) Diethyl Ether             | 3.528 | 74  | 41274  | 20.230 | ug/l   | 89  |
| 9) 1,1,2-Trichlorotrifluo... | 3.893 | 101 | 69892  | 21.721 | ug/l   | 98  |
| 10) Methyl Iodide            | 4.089 | 142 | 74486  | 20.285 | ug/l   | 93  |
| 11) Tert butyl alcohol       | 4.954 | 59  | 43980  | 62.278 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.869 | 96  | 64362  | 20.647 | ug/l   | 90  |
| 13) Acrolein                 | 3.735 | 56  | 39679  | 90.171 | ug/l   | 100 |
| 14) Allyl chloride           | 4.479 | 41  | 90113  | 19.179 | ug/l # | 88  |
| 15) Acrylonitrile            | 5.168 | 53  | 102947 | 87.896 | ug/l   | 98  |
| 16) Acetone                  | 3.948 | 43  | 95653  | 92.644 | ug/l # | 85  |
| 17) Carbon Disulfide         | 4.192 | 76  | 198449 | 20.890 | ug/l   | 99  |
| 18) Methyl Acetate           | 4.479 | 43  | 85833  | 18.262 | ug/l # | 90  |
| 19) Methyl tert-butyl Ether  | 5.222 | 73  | 162514 | 18.140 | ug/l   | 99  |
| 20) Methylene Chloride       | 4.716 | 84  | 98710  | 23.762 | ug/l   | 86  |
| 21) trans-1,2-Dichloroethene | 5.216 | 96  | 66675  | 18.896 | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.119 | 45  | 180513 | 18.645 | ug/l   | 92  |
| 23) Vinyl Acetate            | 6.058 | 43  | 511750 | 91.363 | ug/l # | 94  |
| 24) 1,1-Dichloroethane       | 6.015 | 63  | 116051 | 19.094 | ug/l   | 99  |
| 25) 2-Butanone               | 6.984 | 43  | 132405 | 86.609 | ug/l   | 91  |
| 26) 2,2-Dichloropropane      | 6.984 | 77  | 99160  | 19.141 | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 6.984 | 96  | 75245  | 18.799 | ug/l   | 89  |
| 28) Bromochloromethane       | 7.332 | 49  | 50292  | 19.706 | ug/l # | 81  |
| 29) Tetrahydrofuran          | 7.350 | 42  | 86819  | 88.044 | ug/l # | 86  |
| 30) Chloroform               | 7.509 | 83  | 121739 | 19.202 | ug/l   | 93  |
| 31) Cyclohexane              | 7.789 | 56  | 99814  | 19.243 | ug/l   | 91  |
| 32) 1,1,1-Trichloroethane    | 7.704 | 97  | 106221 | 19.601 | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 7.917 | 75  | 92645  | 20.346 | ug/l   | 98  |
| 37) Ethyl Acetate            | 7.076 | 43  | 56974  | 18.245 | ug/l # | 93  |
| 38) Carbon Tetrachloride     | 7.905 | 117 | 98965  | 20.820 | ug/l   | 99  |
| 39) Methylcyclohexane        | 9.185 | 83  | 108607 | 19.955 | ug/l   | 94  |
| 40) Benzene                  | 8.161 | 78  | 264383 | 19.181 | ug/l   | 99  |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 11 03:14:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 30 19:02:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.350  | 41   | 78392    | 51.386  | ug/l # | 29       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 79623    | 19.654  | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.277  | 43   | 98306    | 18.577  | ug/l # | 91       |
| 44) Trichloroethene           | 8.941  | 130  | 78228    | 20.358  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 68706    | 19.431  | ug/l   | 98       |
| 46) Dibromomethane            | 9.307  | 93   | 42387    | 19.691  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.496  | 83   | 93379    | 19.688  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.295  | 41   | 46262    | 19.224  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.301  | 88   | 13248    | 344.652 | ug/l # | 60       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 292140   | 93.247  | ug/l   | 90       |
| 52) Toluene                   | 10.246 | 92   | 169924   | 19.591  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 103278   | 20.363  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 109681   | 19.382  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 63470    | 20.263  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 82678    | 19.404  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 10.789 | 76   | 101537   | 19.895  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 202866   | 98.281  | ug/l   | 96       |
| 59) 2-Hexanone                | 10.831 | 43   | 226287   | 99.988  | ug/l   | 89       |
| 60) Dibromochloromethane      | 10.984 | 129  | 73019    | 19.895  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 60707    | 19.852  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 79489    | 20.003  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.514 | 112  | 186109   | 19.645  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 72247    | 20.065  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.593 | 91   | 311345   | 19.272  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 250981   | 39.166  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 117373   | 19.311  | ug/l   | 94       |
| 70) Styrene                   | 12.044 | 104  | 202805   | 19.394  | ug/l   | 97       |
| 71) Bromoform                 | 12.209 | 173  | 56336    | 20.595  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.331 | 105  | 306978   | 19.260  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 89685    | 18.644  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 80245    | 19.619  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 99596    | 34.874  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 84542    | 19.420  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.672 | 91   | 386307   | 19.869  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 217566   | 19.444  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 263047   | 19.495  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 26825    | 18.283  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 228456   | 19.489  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 228710   | 19.286  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 262327   | 19.483  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.252 | 105  | 349454   | 19.970  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 292286   | 19.848  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 165662   | 19.463  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 166536   | 19.523  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.697 | 91   | 274458   | 20.167  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.959 | 117  | 58812    | 20.161  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 151656   | 19.670  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 14511    | 19.378  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 99568    | 19.994  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 65683    | 21.460  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 193853   | 18.297  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 89827    | 19.797  | ug/l   | 97       |

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Sample : VY0710SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

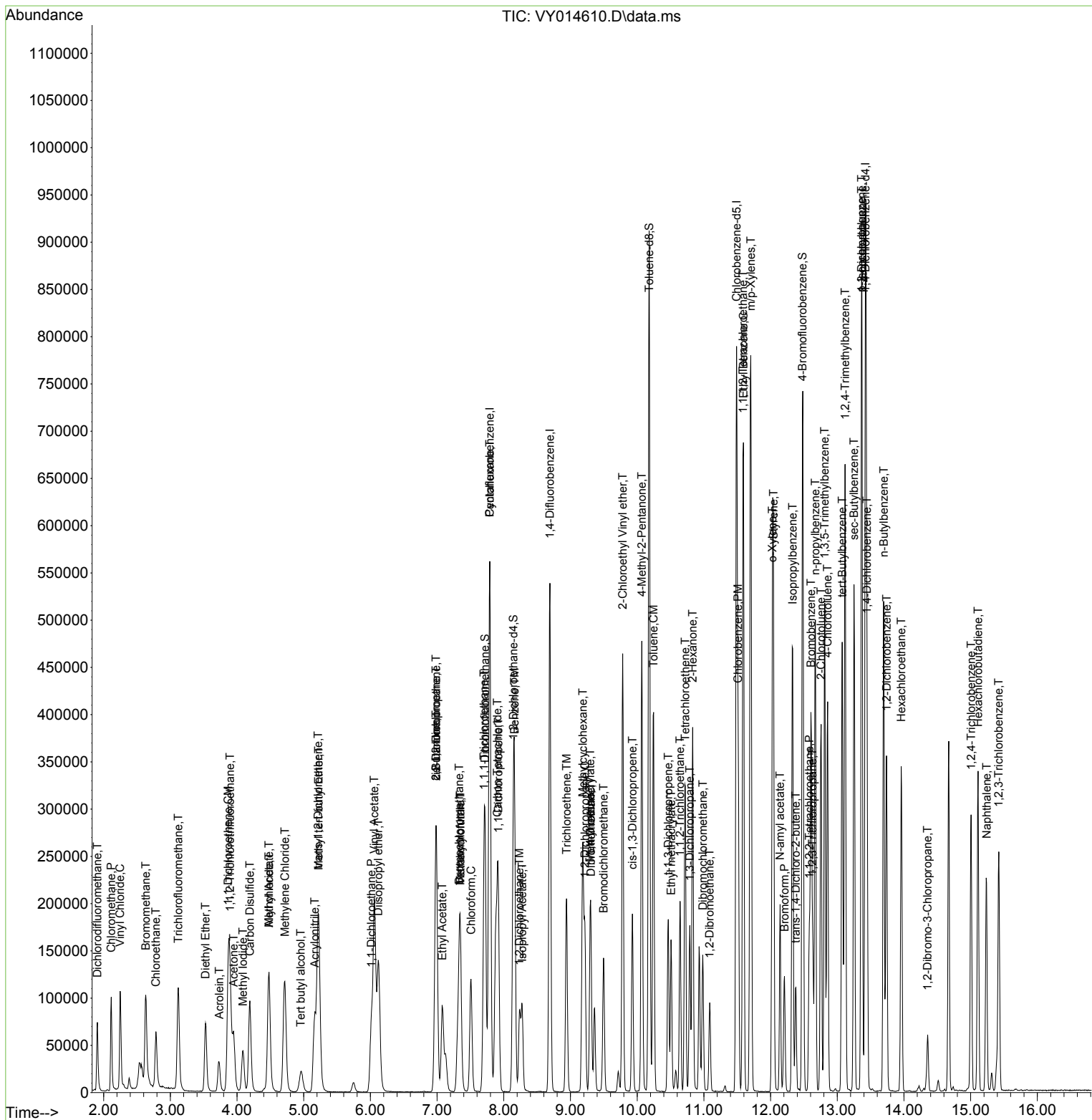
Instrument :  
MSVOA\_Y  
ClientSampleId :

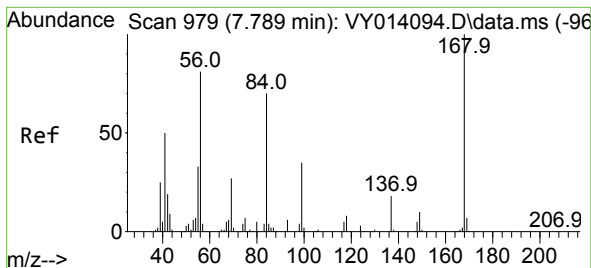
Quant Time: Jul 11 03:14:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y063023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 30 19:02:11 2023  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

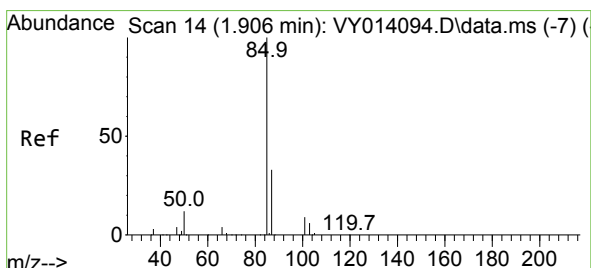
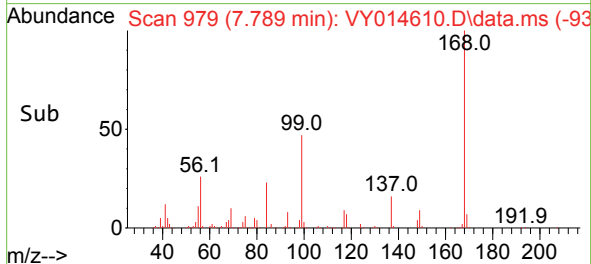
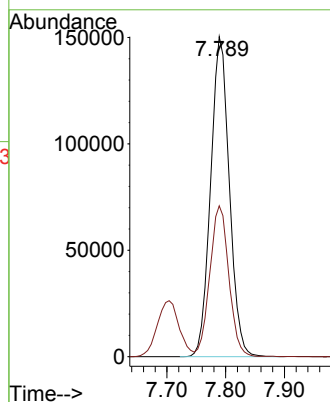
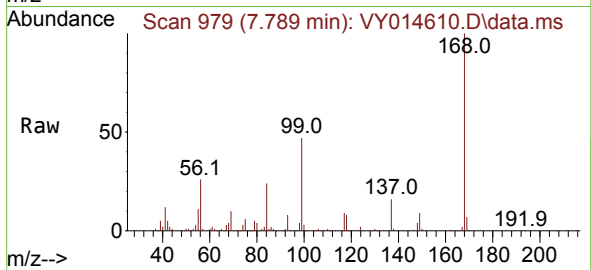
ClientSampleId :

Tgt Ion:168 Resp: 332347

Ion Ratio Lower Upper

168 100

99 47.1 43.4 65.0



#2

Dichlorodifluoromethane

Concen: 24.207 ug/l

RT: 1.906 min Scan# 14

Delta R.T. -0.000 min

Lab File: VY014610.D

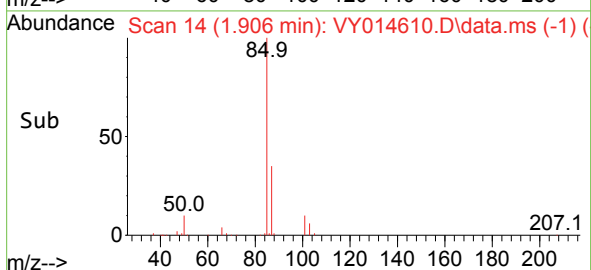
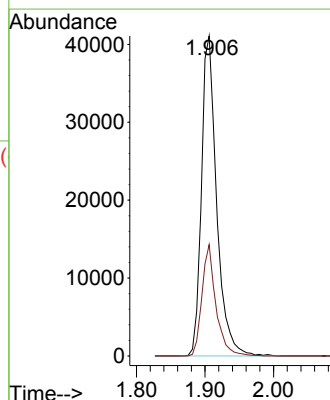
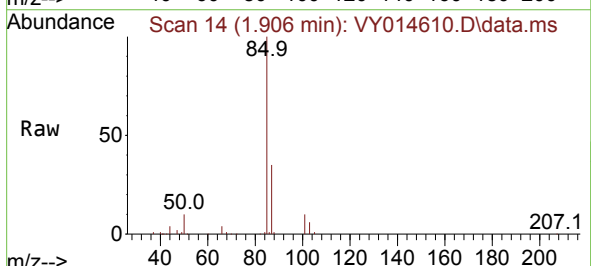
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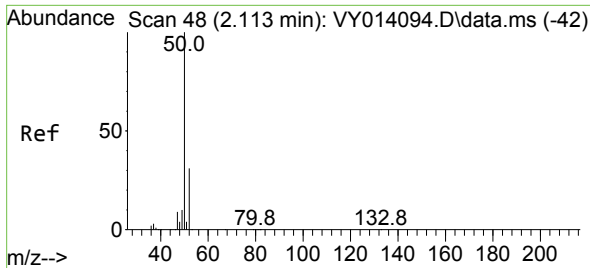
Tgt Ion: 85 Resp: 63314

Ion Ratio Lower Upper

85 100

87 34.8 15.6 46.8

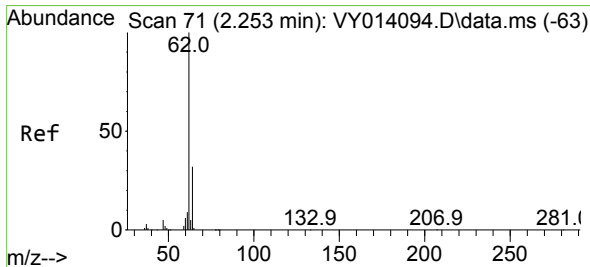
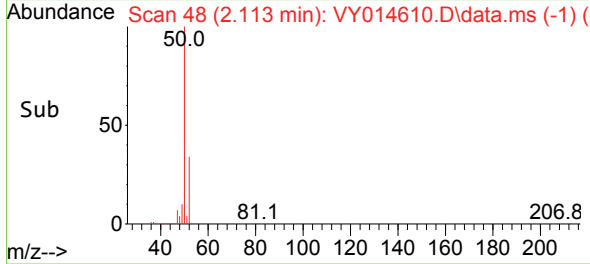
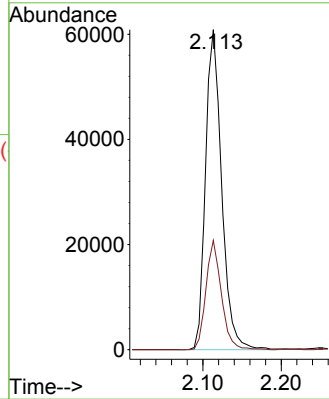
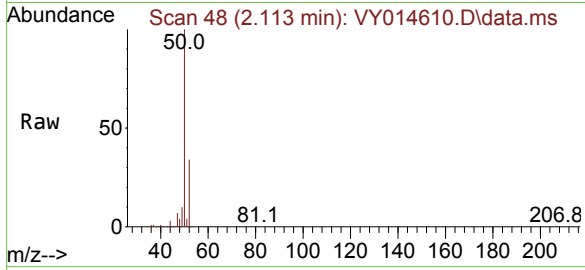




#3  
Chloromethane  
Concen: 22.612 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

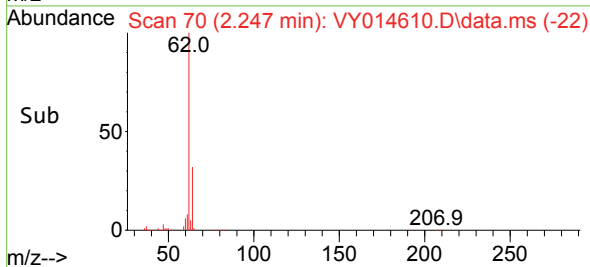
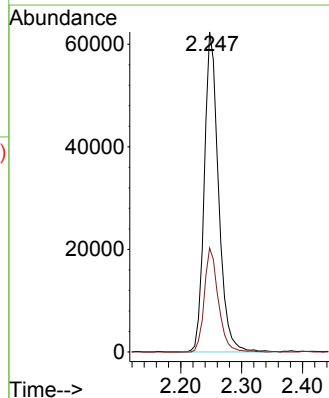
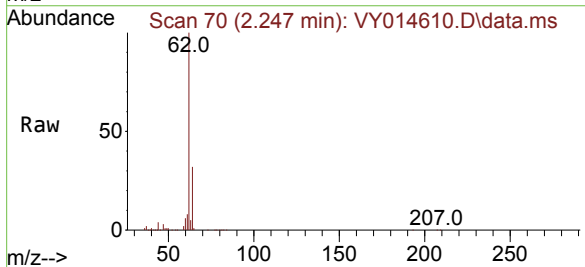
Instrument :  
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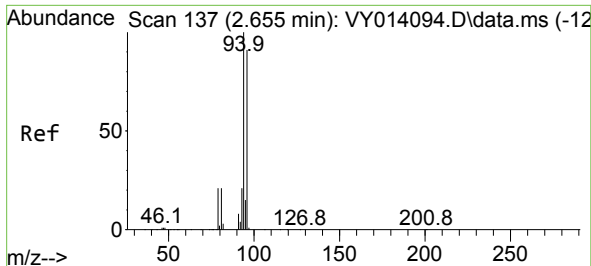
Tgt Ion: 50 Resp: 87034  
Ion Ratio Lower Upper  
50 100  
52 34.2 25.4 38.2



#4  
Vinyl Chloride  
Concen: 22.810 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 62 Resp: 101200  
Ion Ratio Lower Upper  
62 100  
64 32.5 24.3 36.5

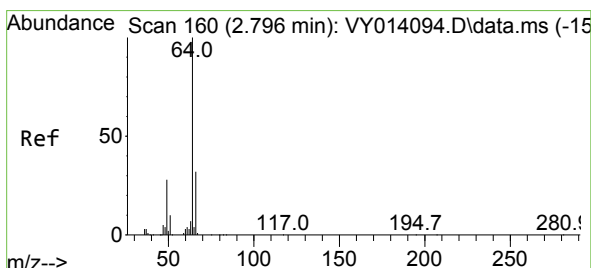
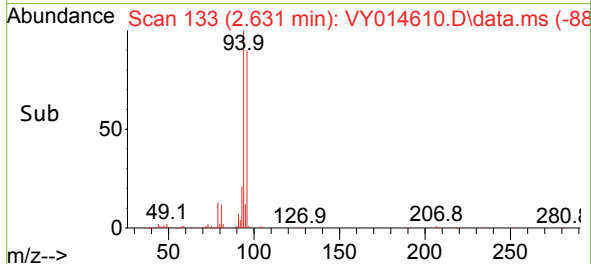
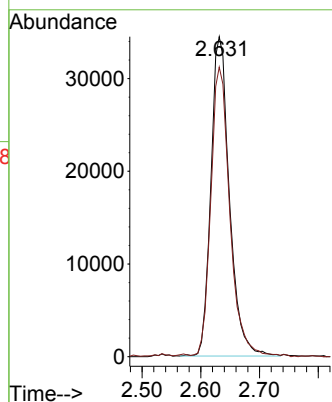
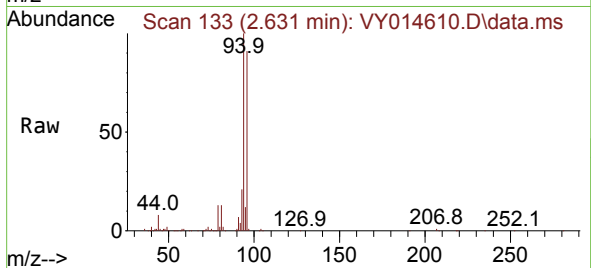




#5  
Bromomethane  
Concen: 21.980 ug/l  
RT: 2.631 min Scan# 11  
Delta R.T. -0.024 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

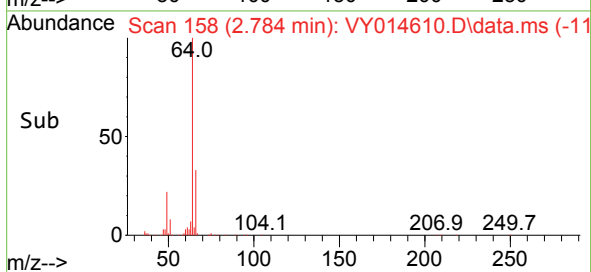
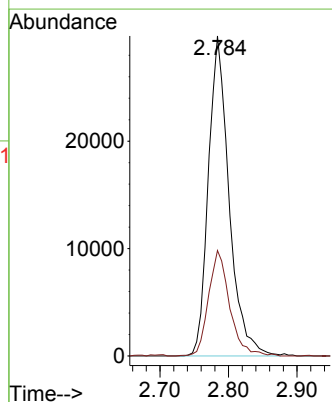
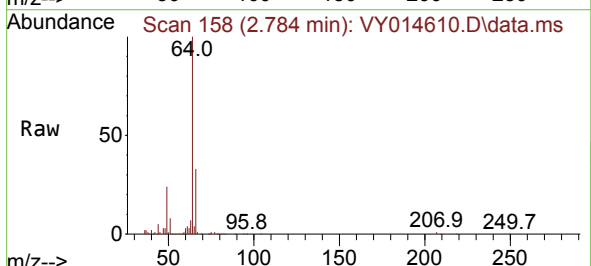
Instrument :  
MSVOA\_Y  
ClientSampleId :

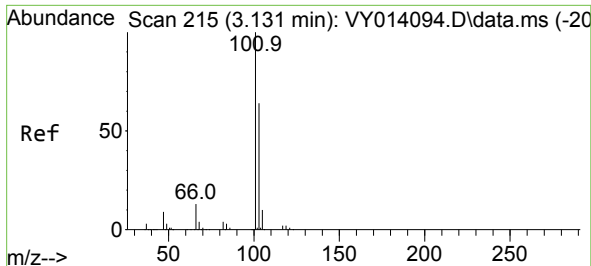
Tgt Ion: 94 Resp: 75615  
Ion Ratio Lower Upper  
94 100  
96 90.3 75.8 113.6



#6  
Chloroethane  
Concen: 21.938 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.012 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

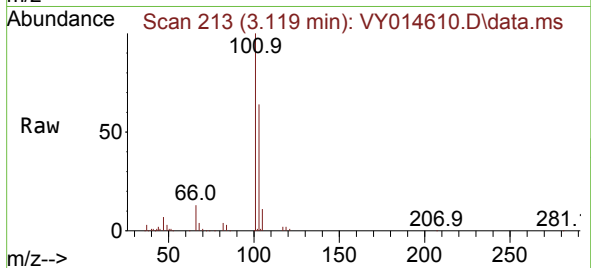
Tgt Ion: 64 Resp: 62671  
Ion Ratio Lower Upper  
64 100  
66 33.0 24.4 36.6



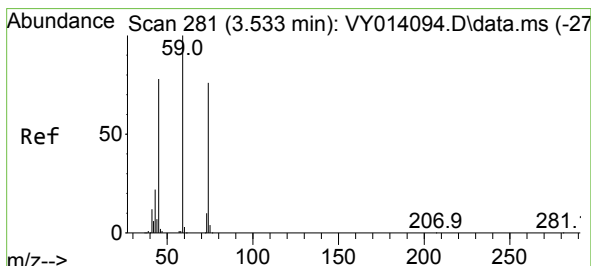
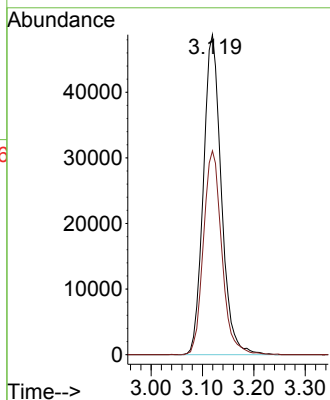
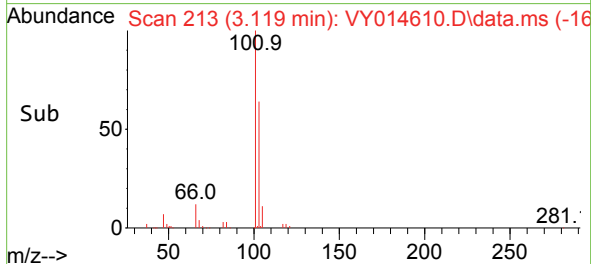


#7  
Trichlorofluoromethane  
Concen: 21.910 ug/l  
RT: 3.119 min Scan# 215  
Delta R.T. -0.012 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

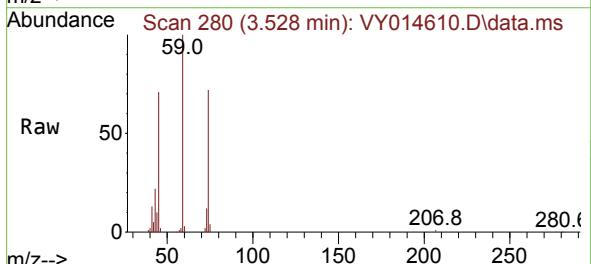
Instrument :  
MSVOA\_Y  
ClientSampleId :



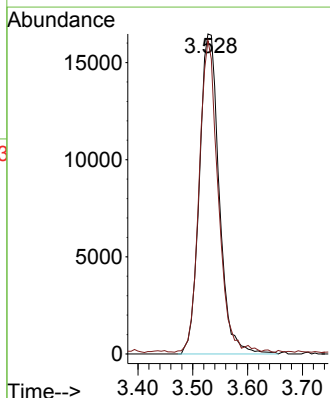
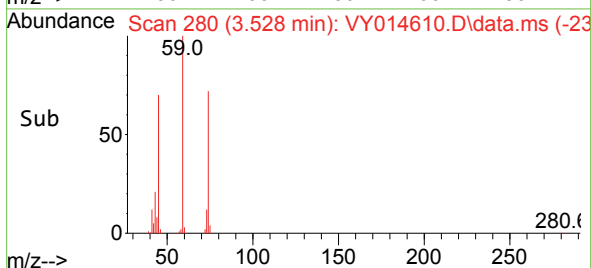
Tgt Ion:101 Resp: 118058  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.4 77.0



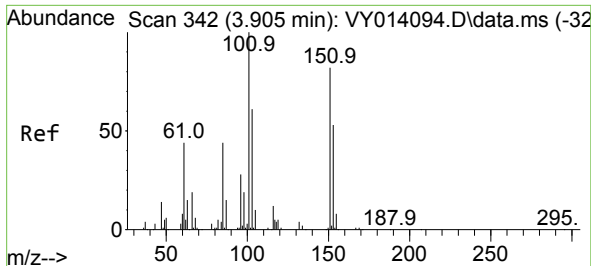
#8  
Diethyl Ether  
Concen: 20.230 ug/l  
RT: 3.528 min Scan# 280  
Delta R.T. -0.005 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09



Tgt Ion: 74 Resp: 41274  
Ion Ratio Lower Upper  
74 100  
45 92.2 51.5 154.5



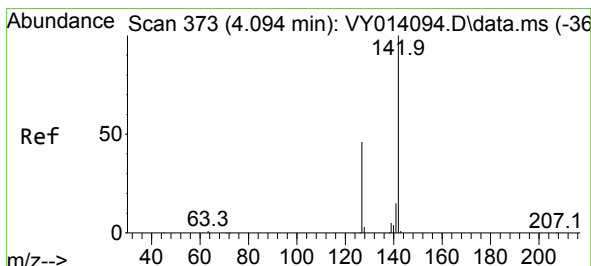
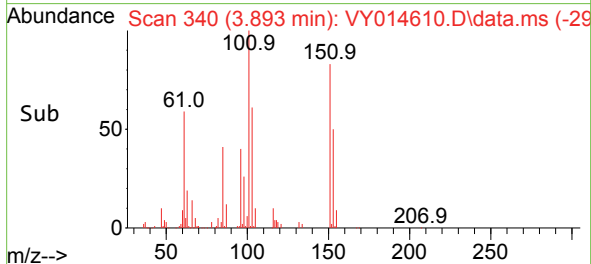
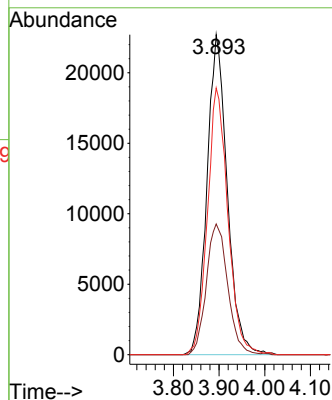
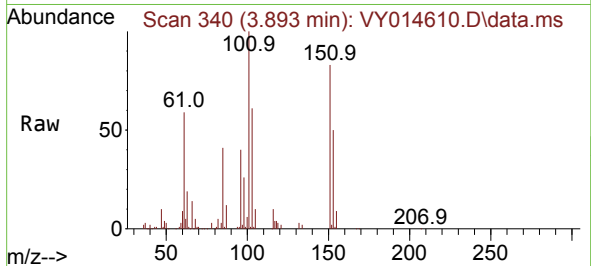




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 21.721 ug/l  
 RT: 3.893 min Scan# 341  
 Delta R.T. -0.012 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

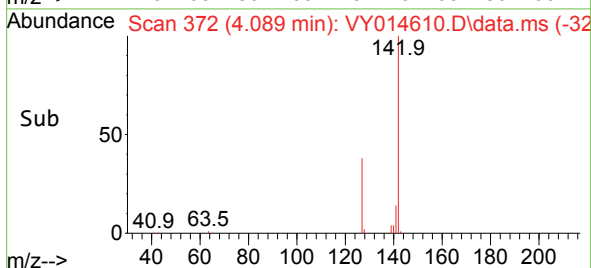
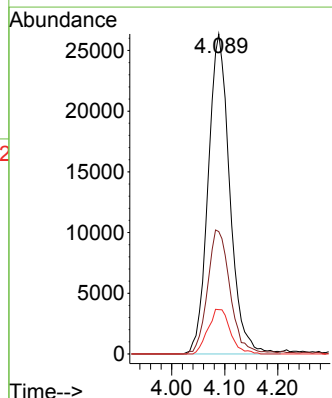
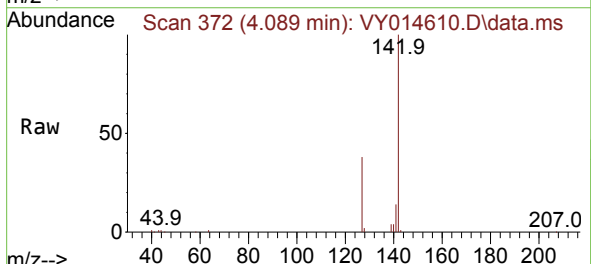
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

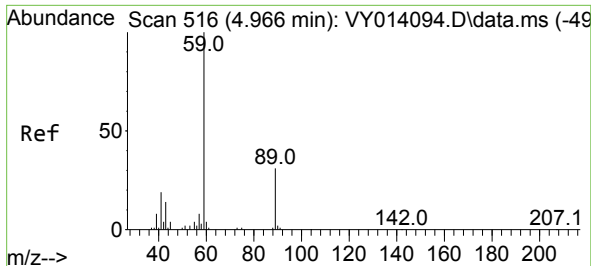
Tgt Ion:101 Resp: 69892  
 Ion Ratio Lower Upper  
 101 100  
 85 43.2 36.6 55.0  
 151 84.2 67.0 100.6



#10  
 Methyl Iodide  
 Concen: 20.285 ug/l  
 RT: 4.089 min Scan# 372  
 Delta R.T. -0.005 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

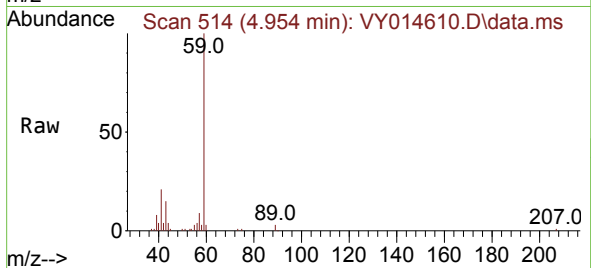
Tgt Ion:142 Resp: 74486  
 Ion Ratio Lower Upper  
 142 100  
 127 40.7 37.6 56.4  
 141 14.4 11.8 17.8



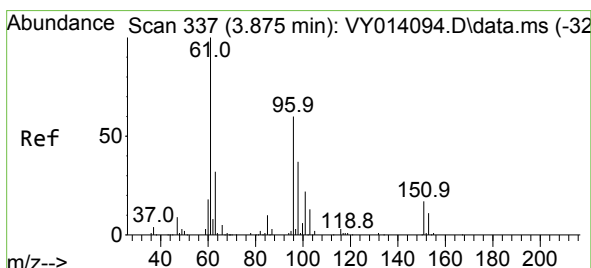
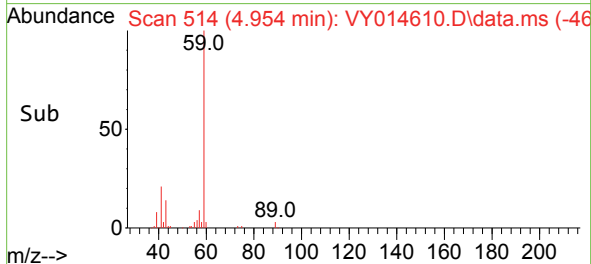
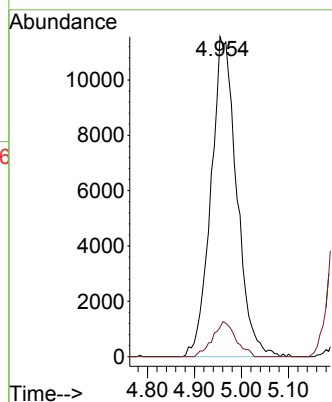


#11  
Tert butyl alcohol  
Concen: 62.278 ug/l  
RT: 4.954 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

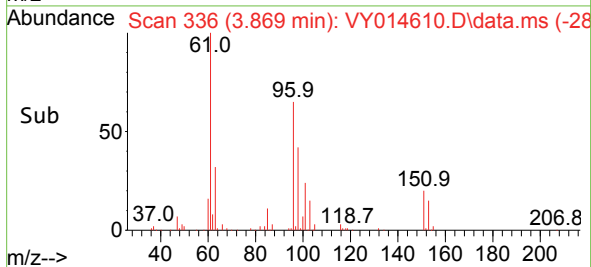
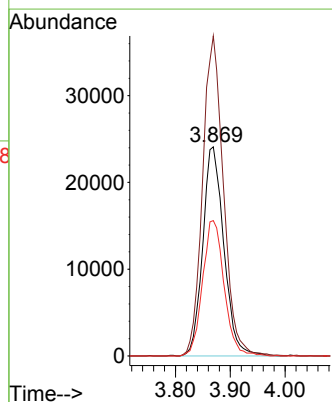
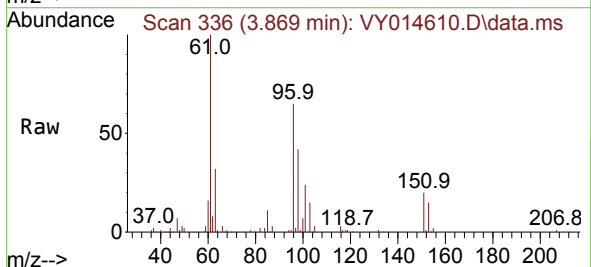


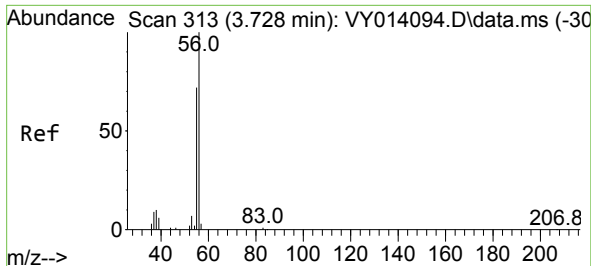
Tgt Ion: 59 Resp: 43980  
Ion Ratio Lower Upper  
59 100  
57 9.9 3.0 4.4#



#12  
1,1-Dichloroethene  
Concen: 20.647 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 96 Resp: 64362  
Ion Ratio Lower Upper  
96 100  
61 153.1 136.4 204.6  
98 64.7 49.4 74.2





#13

Acrolein

Concen: 90.171 ug/l

RT: 3.735 min Scan# 313

Delta R.T. 0.007 min

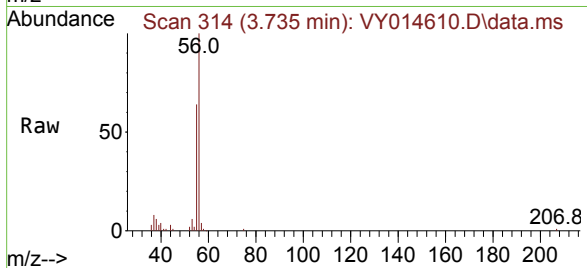
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

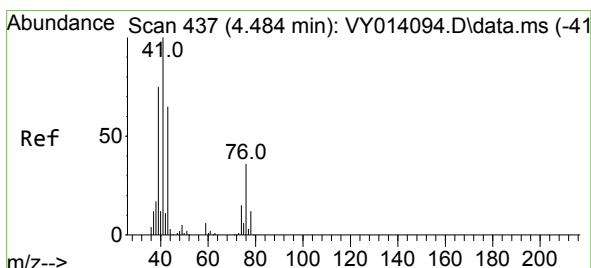
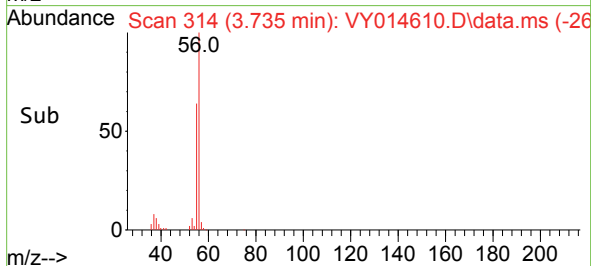
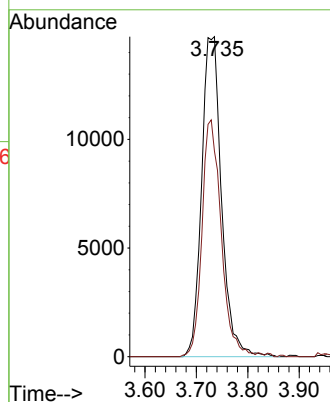


Tgt Ion: 56 Resp: 39679

Ion Ratio Lower Upper

56 100

55 71.2 57.0 85.4



#14

Allyl chloride

Concen: 19.179 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.005 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

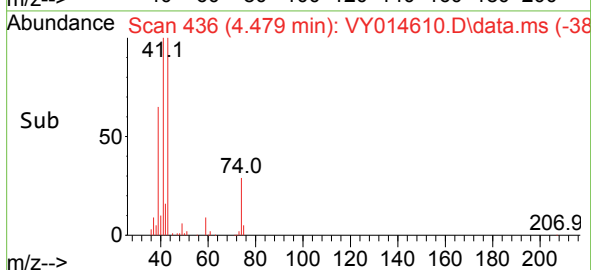
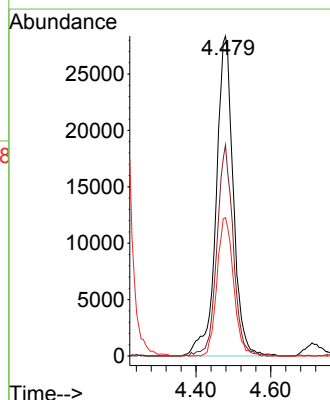
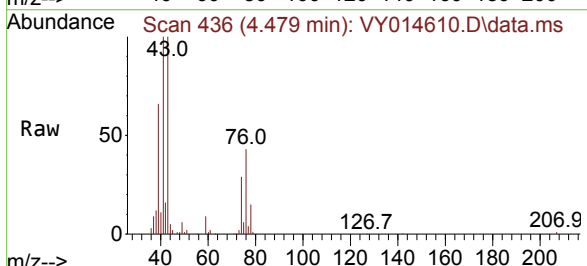
Tgt Ion: 41 Resp: 90113

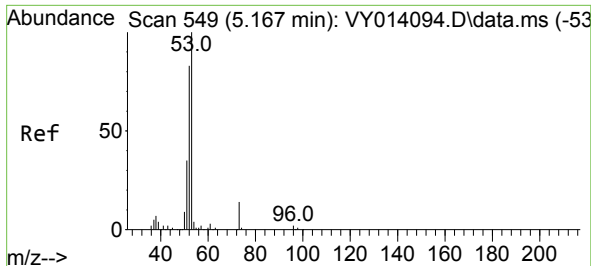
Ion Ratio Lower Upper

41 100

39 62.6 58.0 87.0

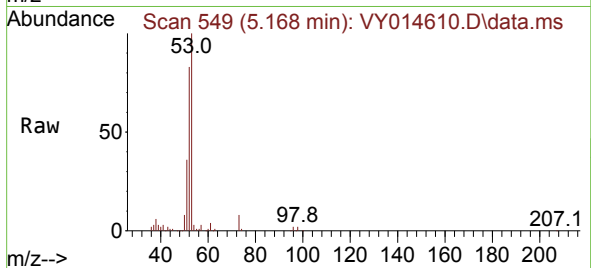
76 41.8 27.4 41.2#



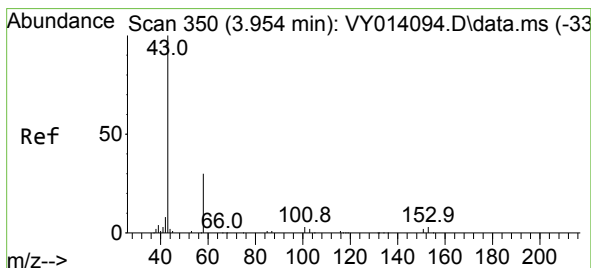
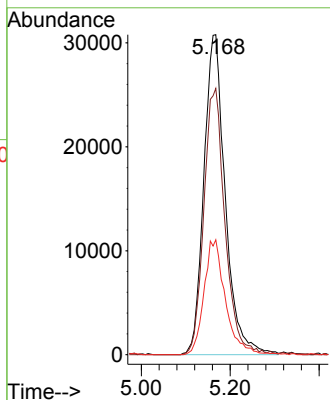
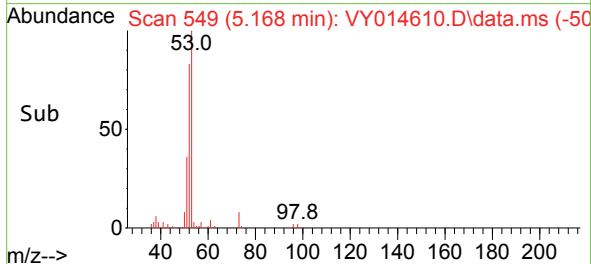


#15  
Acrylonitrile  
Concen: 87.896 ug/l  
RT: 5.168 min Scan# 549  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

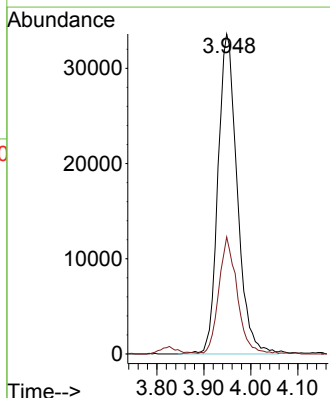
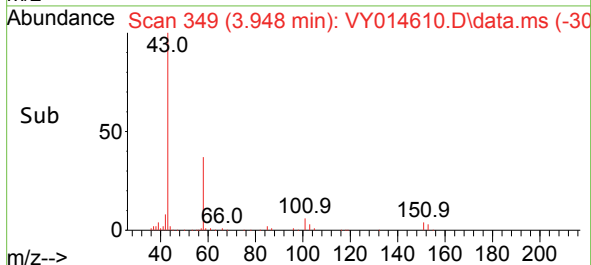
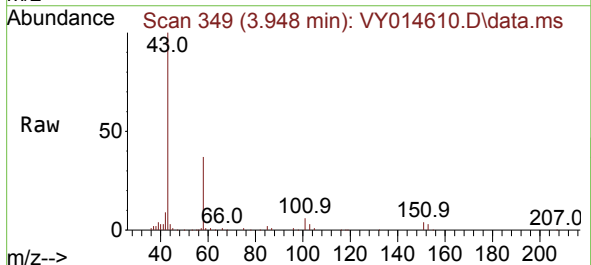


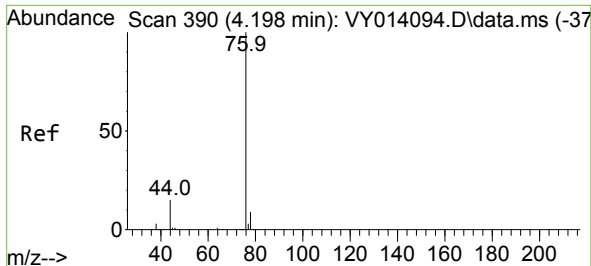
Tgt Ion: 53 Resp: 102947  
Ion Ratio Lower Upper  
53 100  
52 82.1 66.9 100.3  
51 36.1 29.8 44.6



#16  
Acetone  
Concen: 92.644 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 43 Resp: 95653  
Ion Ratio Lower Upper  
43 100  
58 36.3 22.7 34.1#

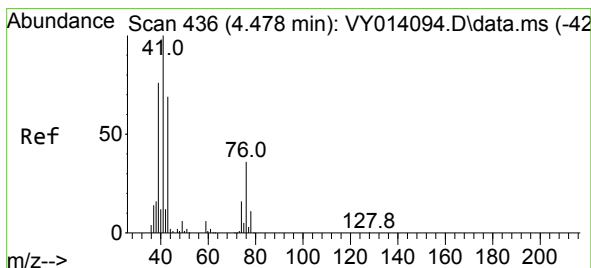
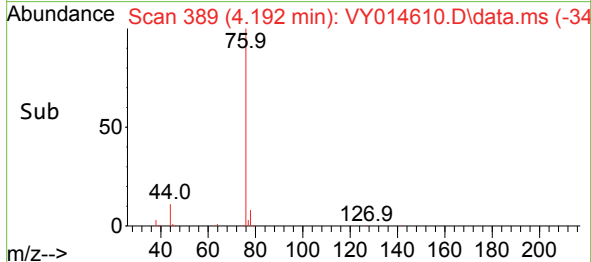
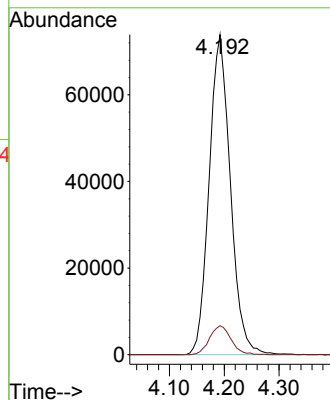
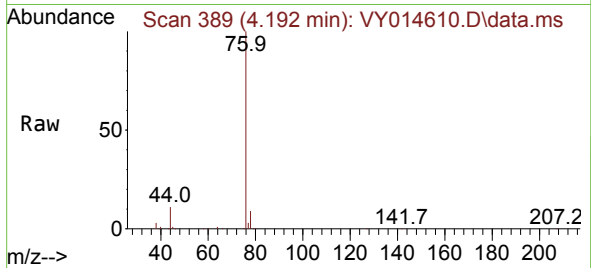




#17  
Carbon Disulfide  
Concen: 20.890 ug/l  
RT: 4.192 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

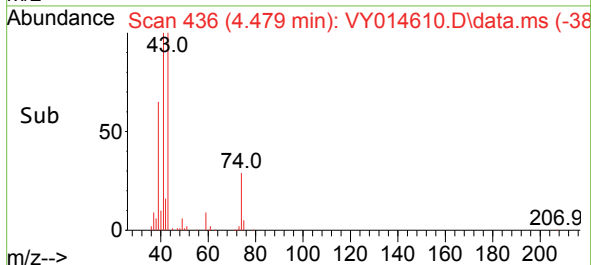
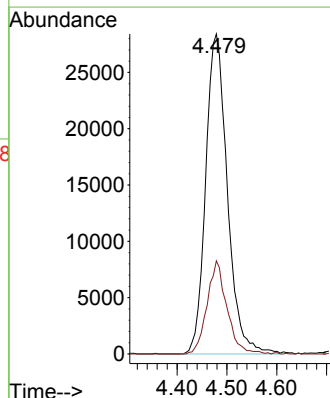
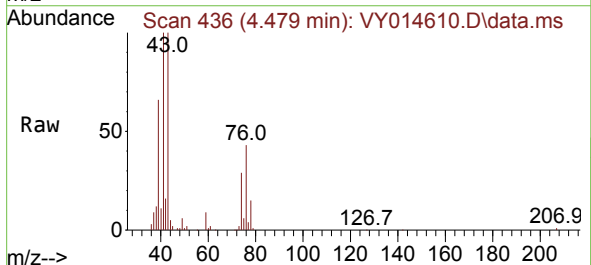
Instrument :  
MSVOA\_Y  
ClientSampleId :

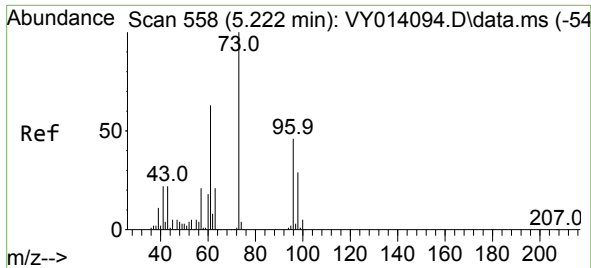
Tgt Ion: 76 Resp: 198449  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.4



#18  
Methyl Acetate  
Concen: 18.262 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 43 Resp: 85833  
Ion Ratio Lower Upper  
43 100  
74 26.6 17.4 26.0#

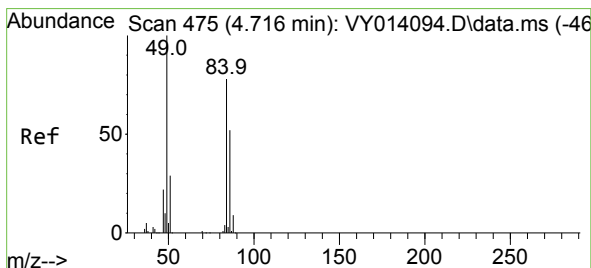
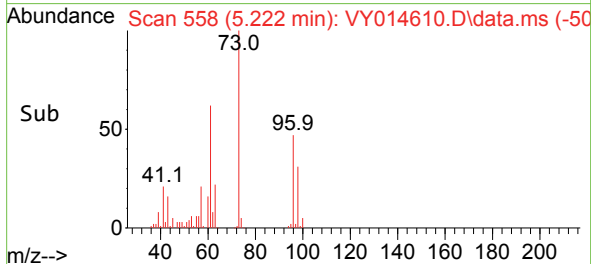
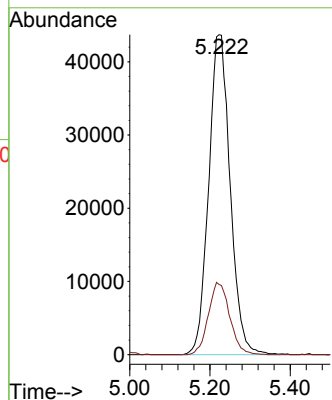
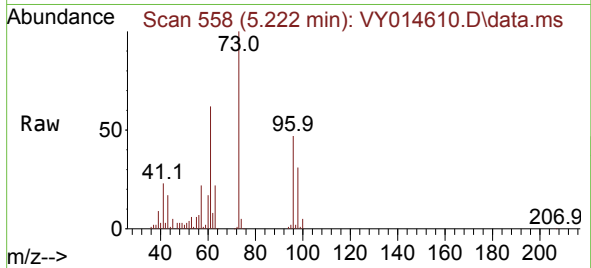




#19  
Methyl tert-butyl Ether  
Concen: 18.140 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

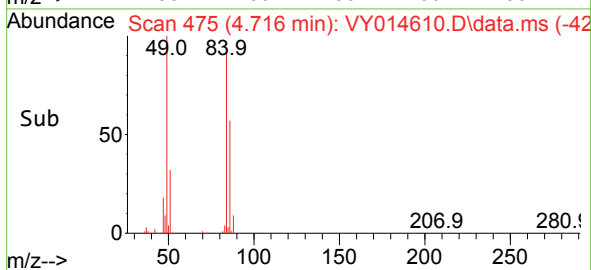
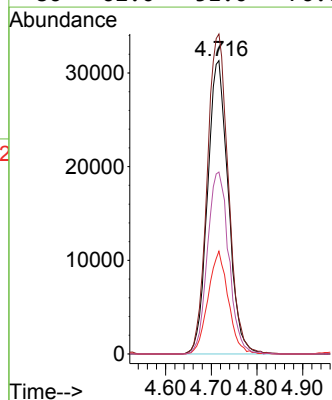
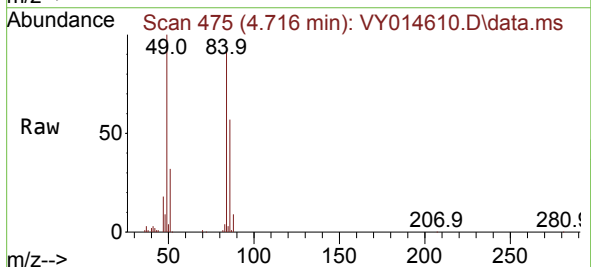
Instrument :  
MSVOA\_Y  
ClientSampleId :

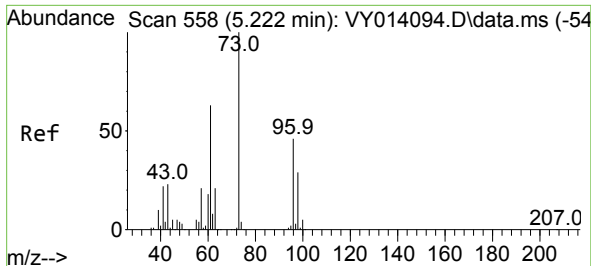
Tgt Ion: 73 Resp: 162514  
Ion Ratio Lower Upper  
73 100  
57 21.9 17.3 25.9



#20  
Methylene Chloride  
Concen: 23.762 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

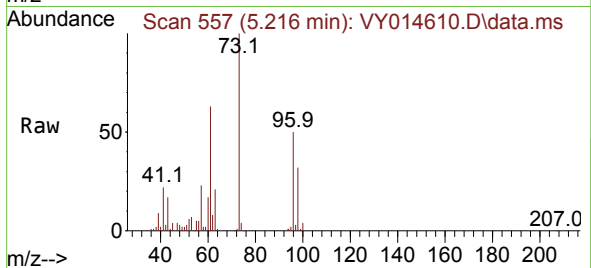
Tgt Ion: 84 Resp: 98710  
Ion Ratio Lower Upper  
84 100  
49 109.1 106.9 160.3  
51 35.0 33.2 49.8  
86 62.0 51.0 76.6



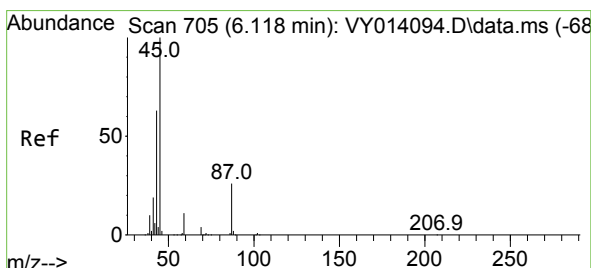
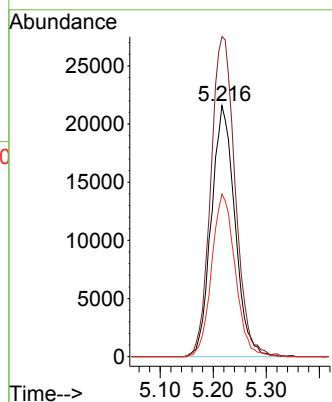
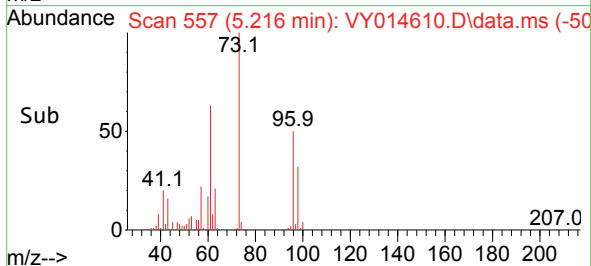


#21  
trans-1,2-Dichloroethene  
Concen: 18.896 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

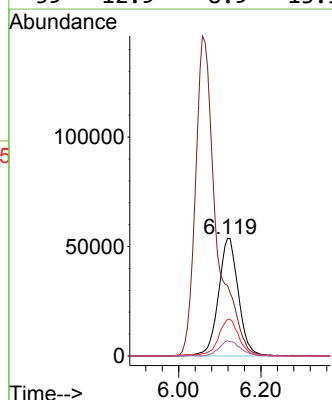
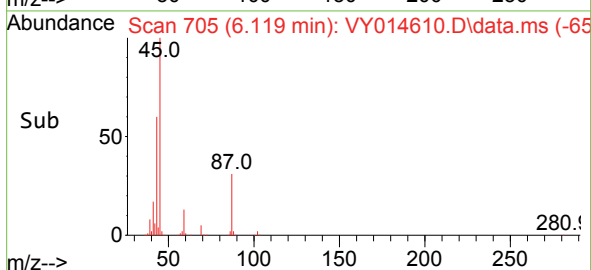
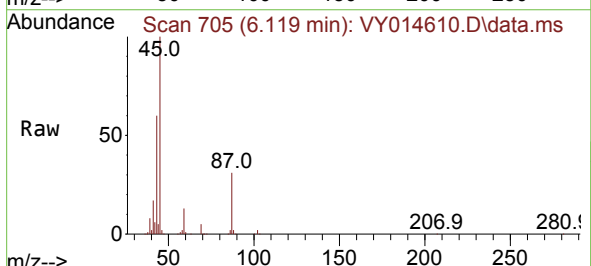


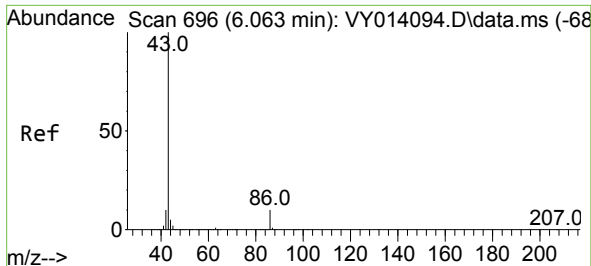
Tgt Ion: 96 Resp: 66675  
Ion Ratio Lower Upper  
96 100  
61 127.5 110.2 165.4  
98 64.7 51.8 77.6



#22  
Diisopropyl ether  
Concen: 18.645 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 45 Resp: 180513  
Ion Ratio Lower Upper  
45 100  
43 59.6 52.2 78.4  
87 31.4 21.0 31.6  
59 12.9 8.9 13.3

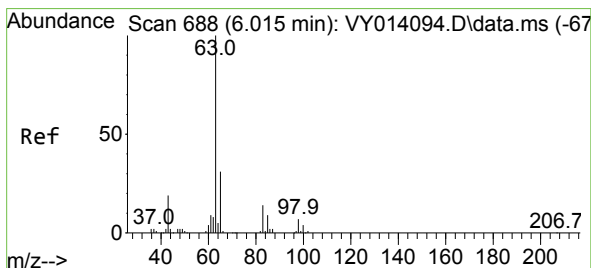
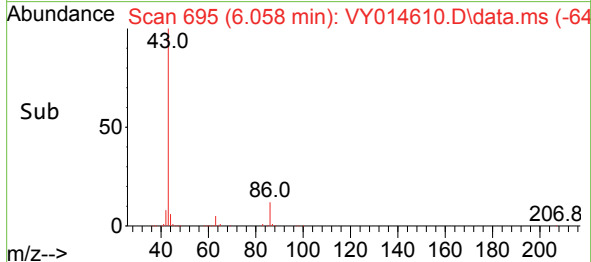
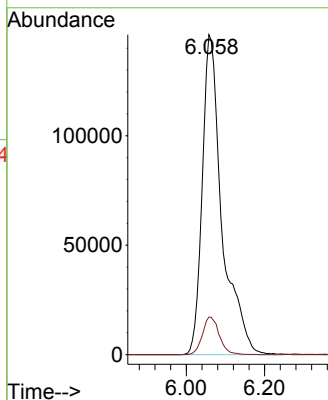
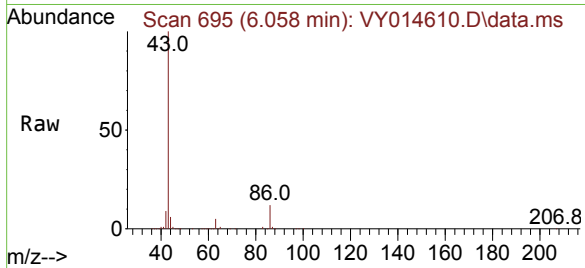




#23  
 Vinyl Acetate  
 Concen: 91.363 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.005 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

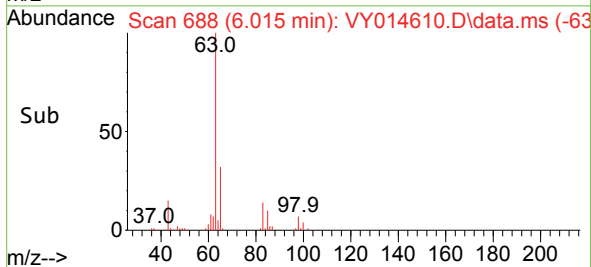
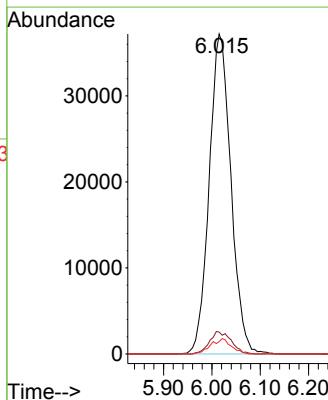
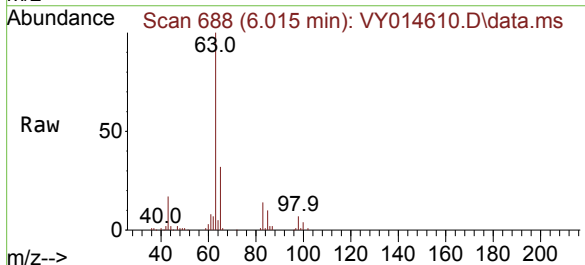
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Tgt Ion: 43 Resp: 511750  
 Ion Ratio Lower Upper  
 43 100  
 86 11.8 7.5 11.3#

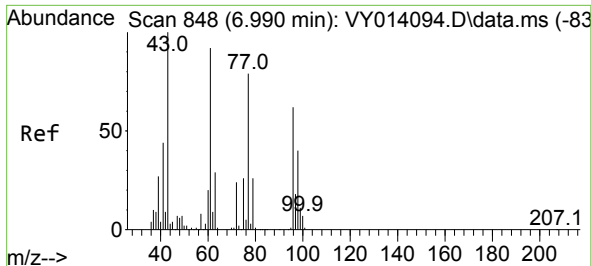


#24  
 1,1-Dichloroethane  
 Concen: 19.094 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. 0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

Tgt Ion: 63 Resp: 116051  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.1 9.4  
 100 3.9 1.8 5.5







#25

2-Butanone

Concen: 86.609 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

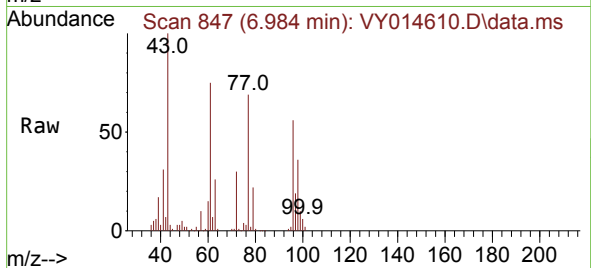
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

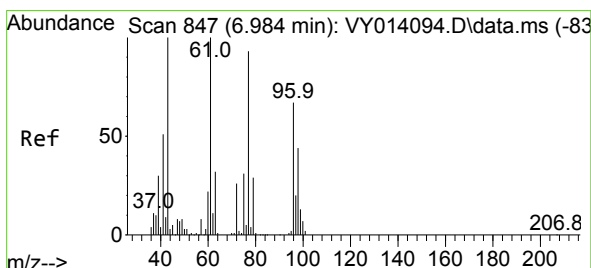
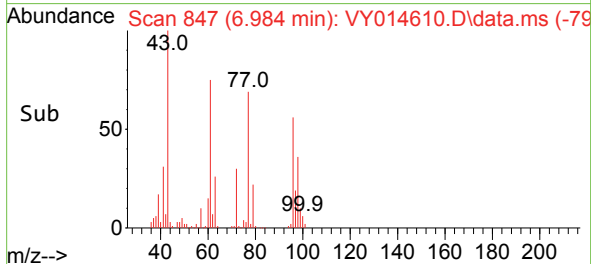
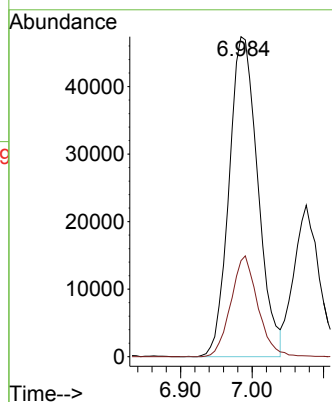


Tgt Ion: 43 Resp: 132405

Ion Ratio Lower Upper

43 100

72 30.0 20.5 30.7



#26

2,2-Dichloropropane

Concen: 19.141 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY014610.D

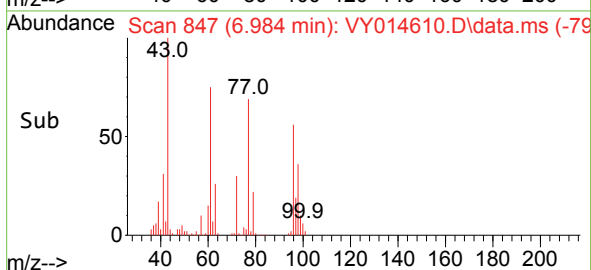
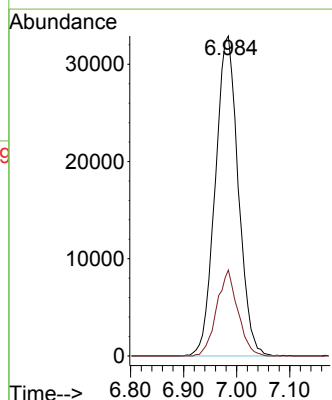
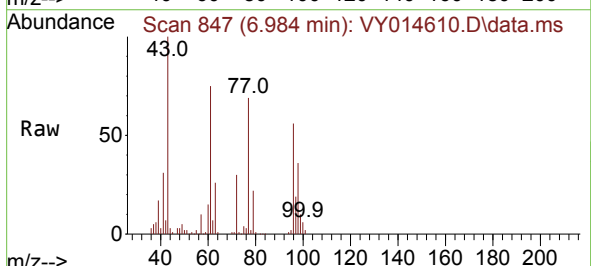
Acq: 10 Jul 2023 12:09

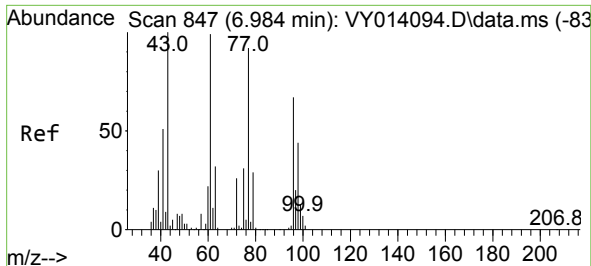
Tgt Ion: 77 Resp: 99160

Ion Ratio Lower Upper

77 100

97 24.7 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.799 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

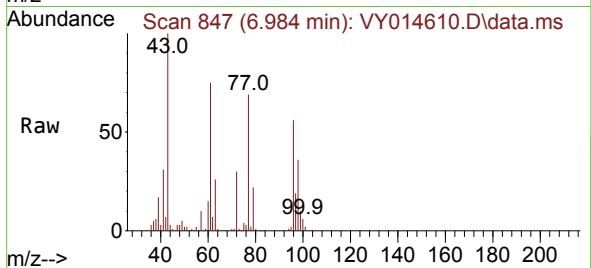
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

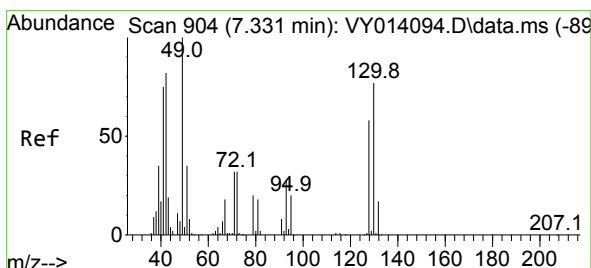
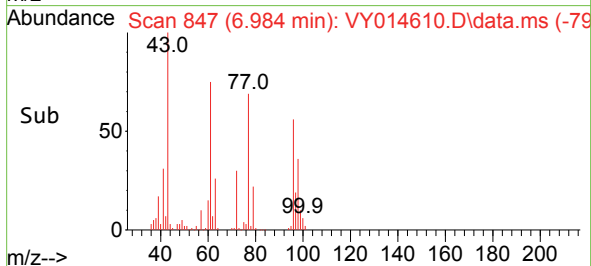
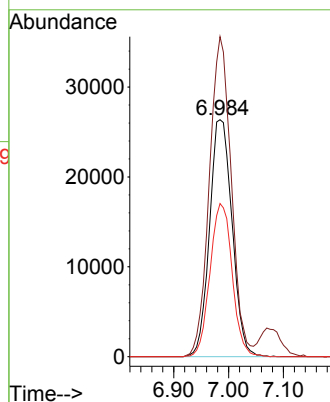
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 75245 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 131.3 | 0.0   | 301.4 |
| 98       | 63.5  | 0.0   | 130.4 |



#28

Bromochloromethane

Concen: 19.706 ug/l

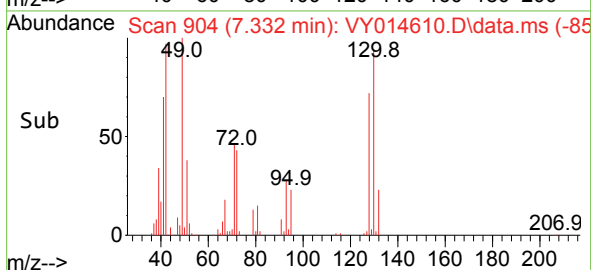
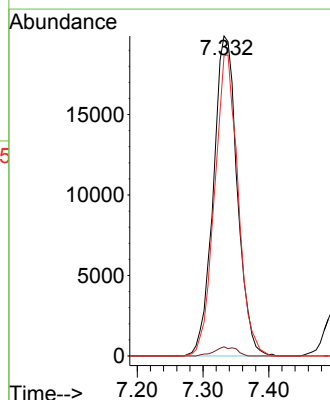
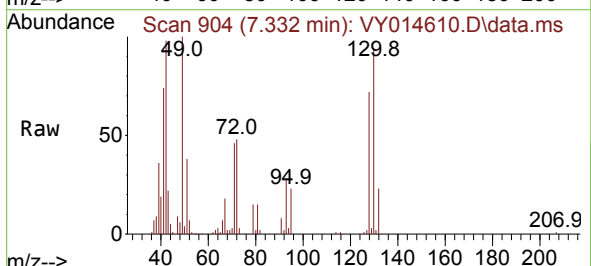
RT: 7.332 min Scan# 904

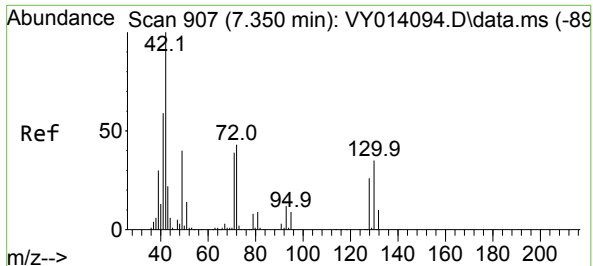
Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 50292 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 2.6   | 0.0   | 4.6   |
| 130      | 92.7  | 60.7  | 91.1  |





#29

Tetrahydrofuran

Concen: 88.044 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

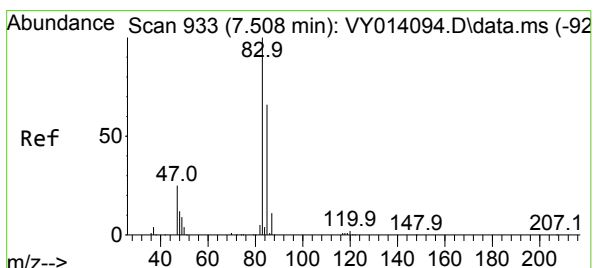
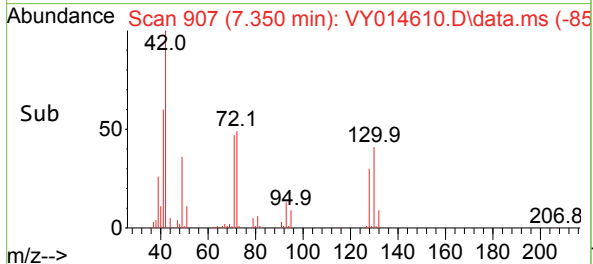
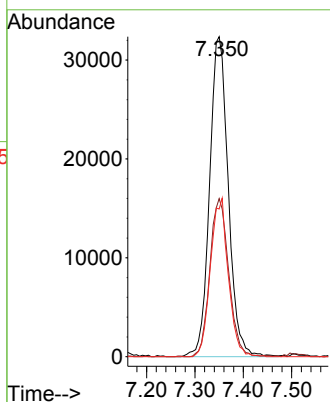
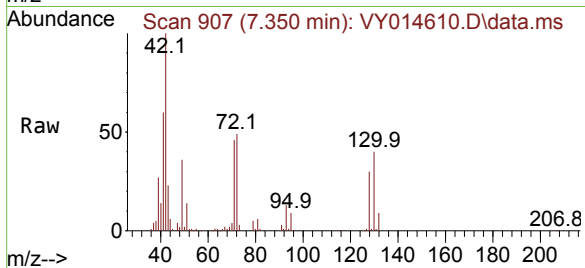
Tgt Ion: 42 Resp: 86819

Ion Ratio Lower Upper

42 100

72 49.9 32.8 49.2#

71 47.2 31.0 46.4#



#30

Chloroform

Concen: 19.202 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.001 min

Lab File: VY014610.D

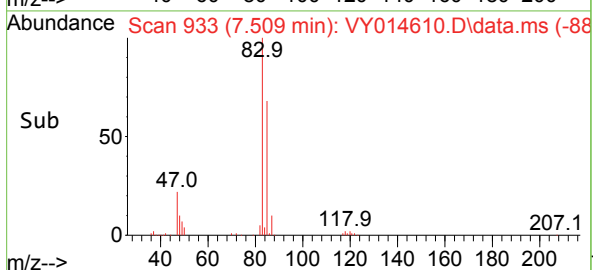
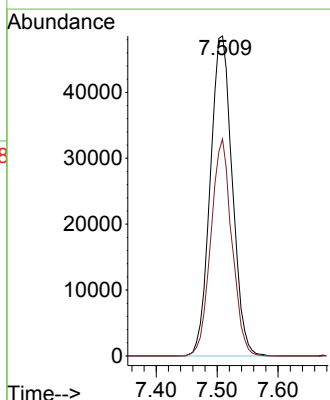
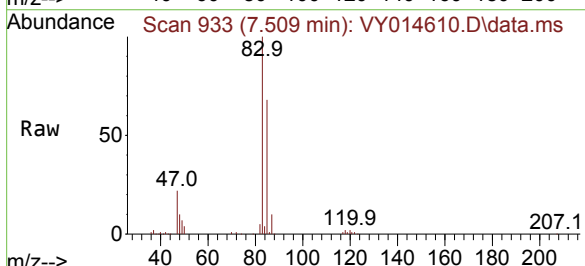
Acq: 10 Jul 2023 12:09

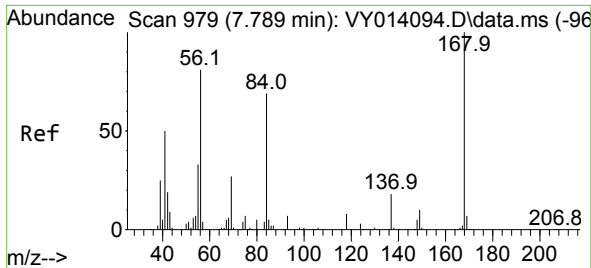
Tgt Ion: 83 Resp: 121739

Ion Ratio Lower Upper

83 100

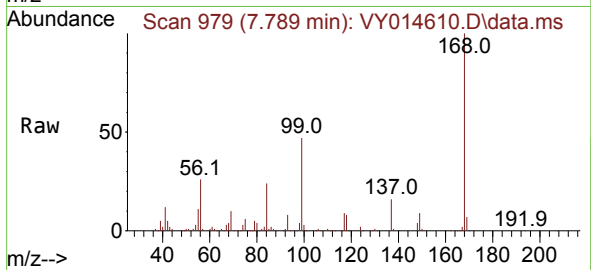
85 67.8 49.7 74.5



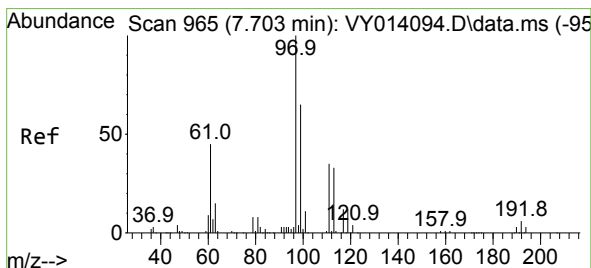
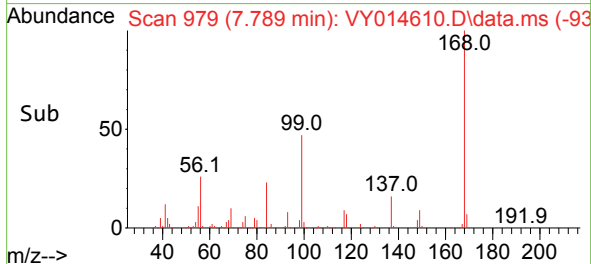
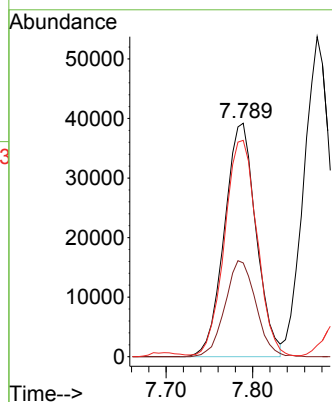


#31  
Cyclohexane  
Concen: 19.243 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

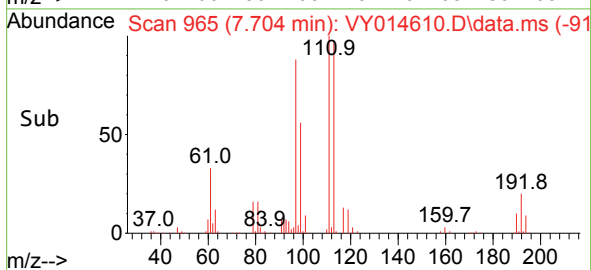
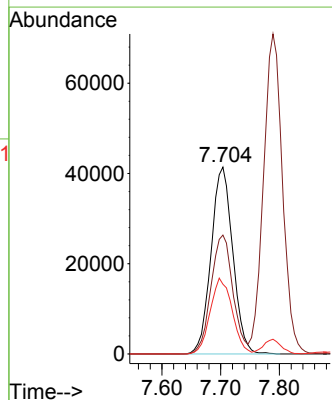
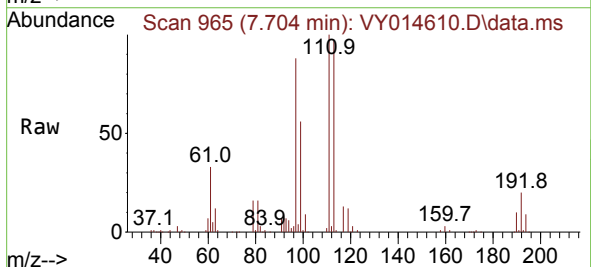


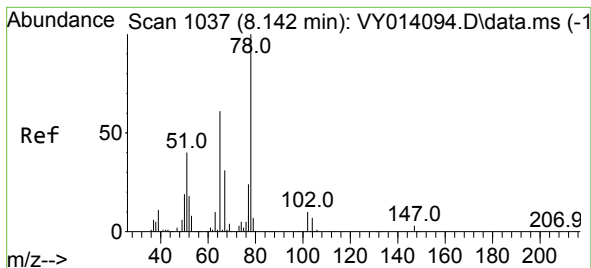
| Tgt Ion | Resp | Ion Ratio | Lower | Upper |
|---------|------|-----------|-------|-------|
| 56      | 100  |           |       |       |
| 69      | 40.1 |           | 27.8  | 41.6  |
| 84      | 91.6 |           | 66.4  | 99.6  |



#32  
1,1,1-Trichloroethane  
Concen: 19.601 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

| Tgt Ion | Resp | Ion Ratio | Lower | Upper |
|---------|------|-----------|-------|-------|
| 97      | 100  |           |       |       |
| 99      | 64.4 |           | 50.8  | 76.2  |
| 61      | 41.2 |           | 35.1  | 52.7  |





#33

1,2-Dichloroethane-d4

Concen: 49.676 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

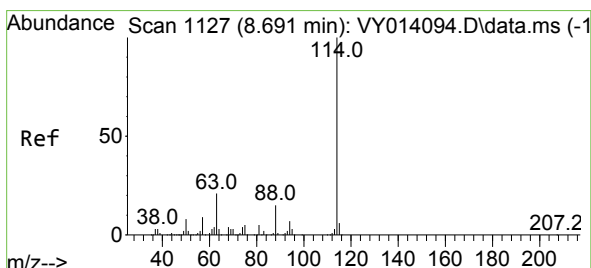
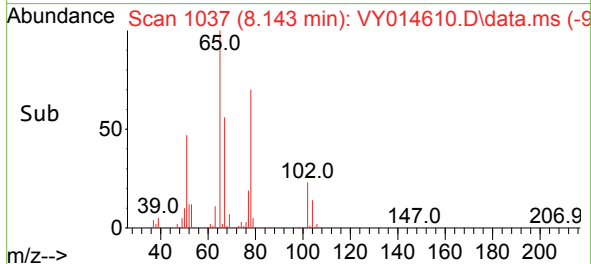
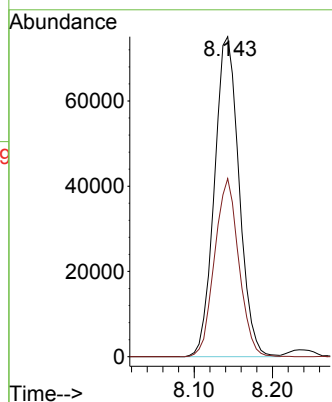
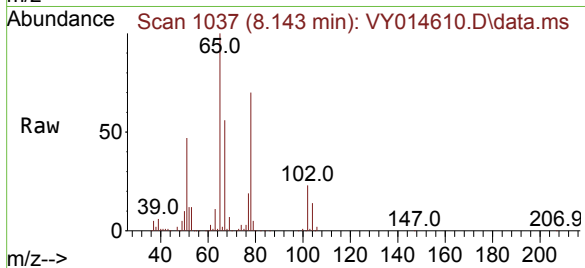
ClientSampleId :

Tgt Ion: 65 Resp: 164235

Ion Ratio Lower Upper

65 100

67 54.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

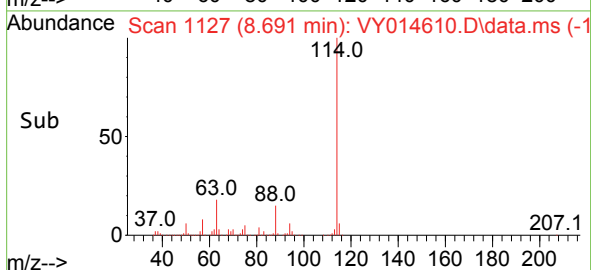
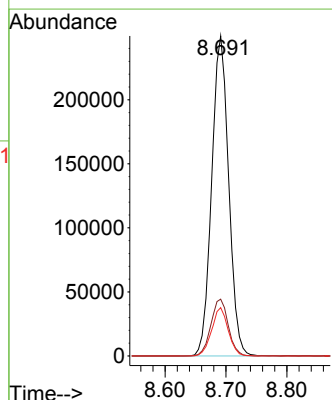
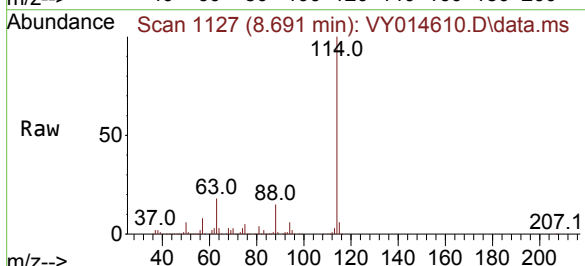
Tgt Ion: 114 Resp: 482838

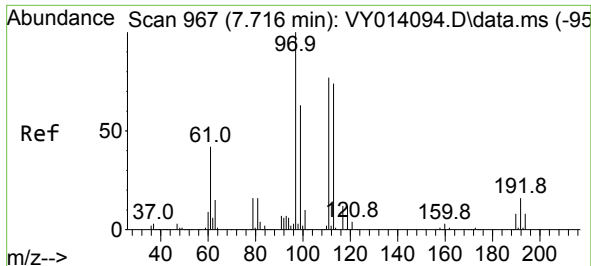
Ion Ratio Lower Upper

114 100

63 17.7 0.0 42.4

88 15.1 0.0 30.6

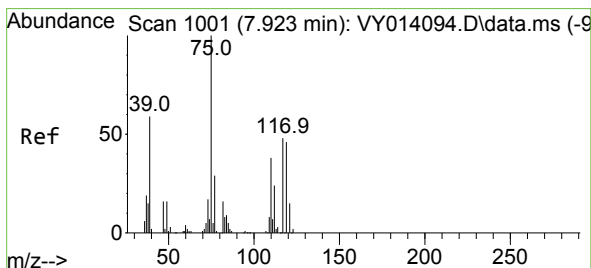
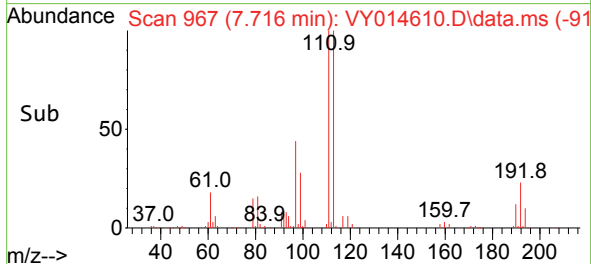
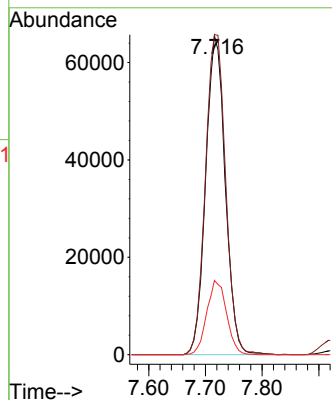
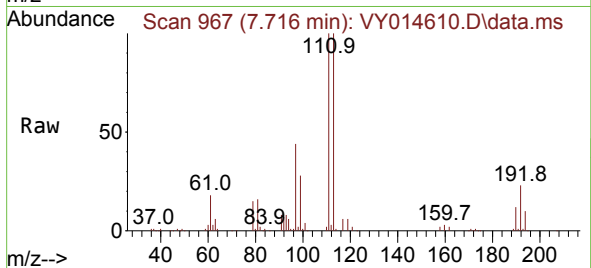




#35  
 Dibromofluoromethane  
 Concen: 52.793 ug/l  
 RT: 7.716 min Scan# 91  
 Delta R.T. -0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

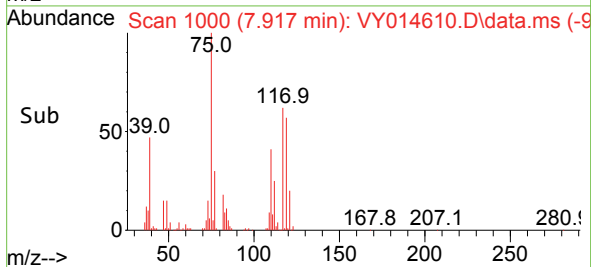
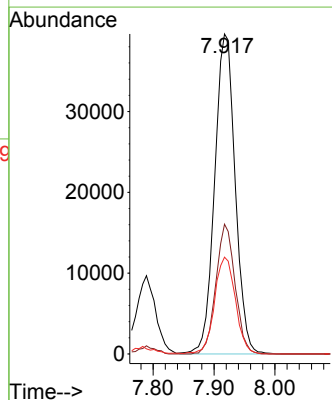
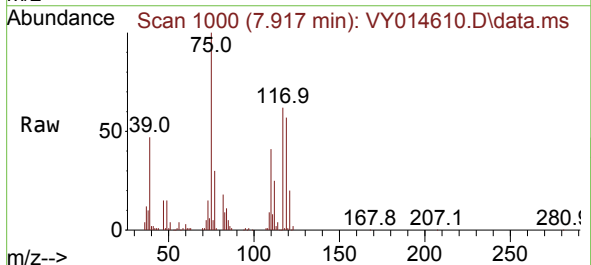
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

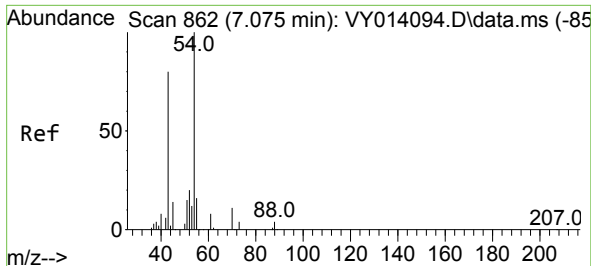
Tgt Ion:113 Resp: 156971  
 Ion Ratio Lower Upper  
 113 100  
 111 104.1 81.3 121.9  
 192 23.5 16.9 25.3



#36  
 1,1-Dichloropropene  
 Concen: 20.346 ug/l  
 RT: 7.917 min Scan# 1000  
 Delta R.T. -0.006 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

Tgt Ion: 75 Resp: 92645  
 Ion Ratio Lower Upper  
 75 100  
 110 37.9 17.8 53.5  
 77 30.8 24.4 36.6

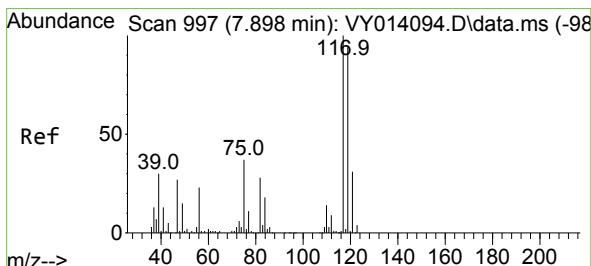
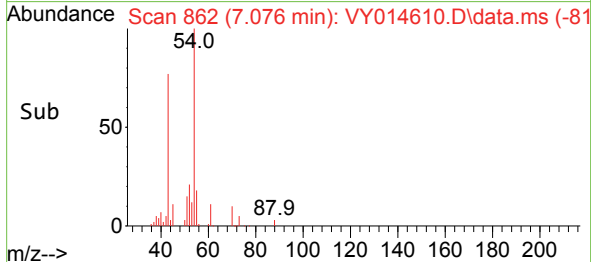
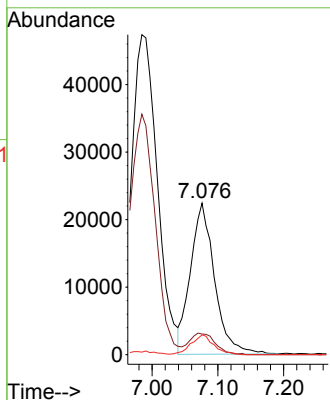
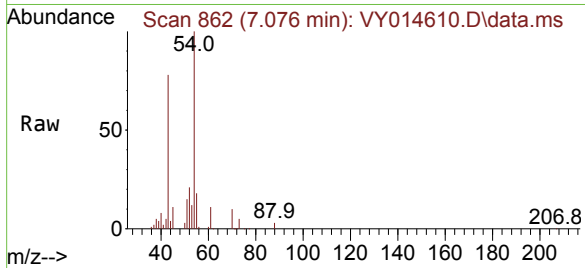




#37  
Ethyl Acetate  
Concen: 18.245 ug/l  
RT: 7.076 min Scan# 80  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

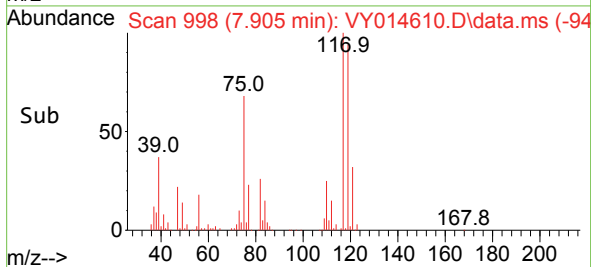
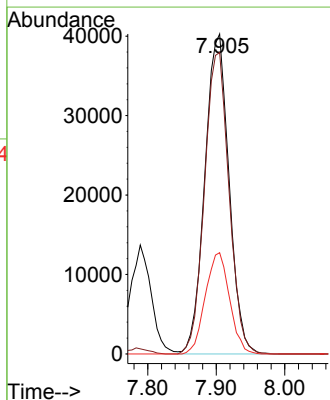
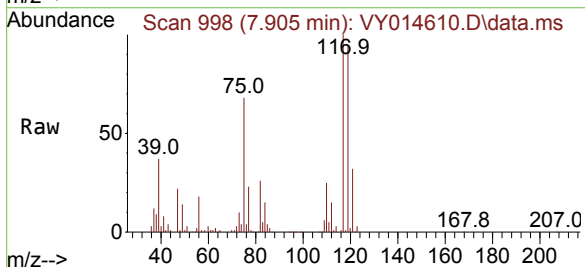
Instrument :  
MSVOA\_Y  
ClientSampleId :

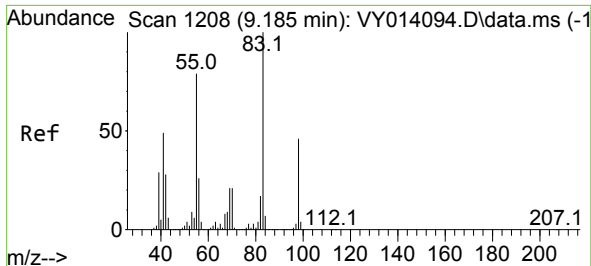
Tgt Ion: 43 Resp: 56974  
Ion Ratio Lower Upper  
43 100  
61 15.1 10.1 15.1#  
70 12.1 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 20.820 ug/l  
RT: 7.905 min Scan# 998  
Delta R.T. 0.007 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 117 Resp: 98965  
Ion Ratio Lower Upper  
117 100  
119 94.2 76.4 114.6  
121 31.7 25.8 38.6





#39

Methylcyclohexane

Concen: 19.955 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

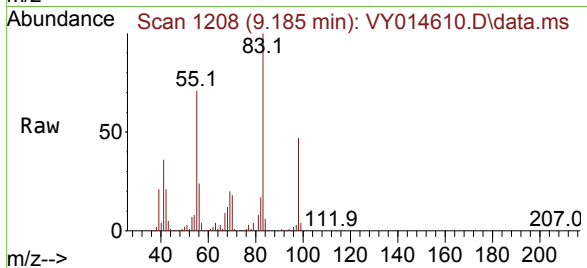
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :



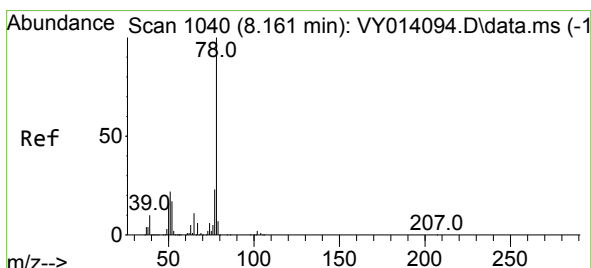
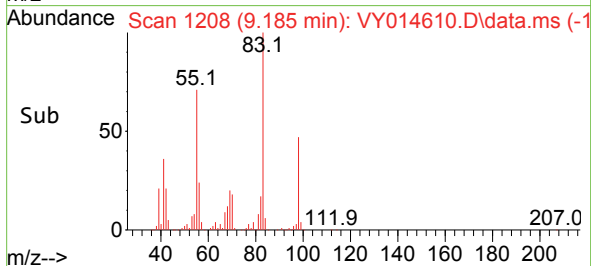
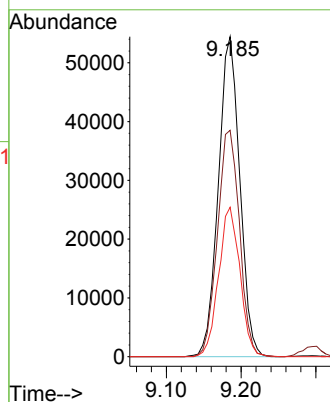
Tgt Ion: 83 Resp: 108607

Ion Ratio Lower Upper

83 100

55 70.8 63.0 94.4

98 46.7 37.4 56.2



#40

Benzene

Concen: 19.181 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY014610.D

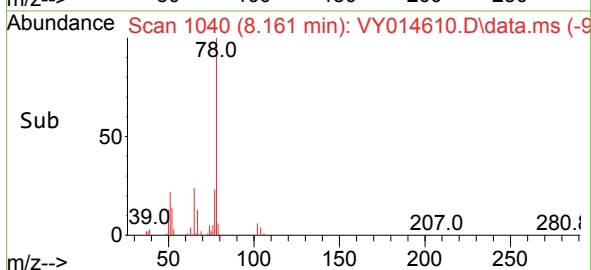
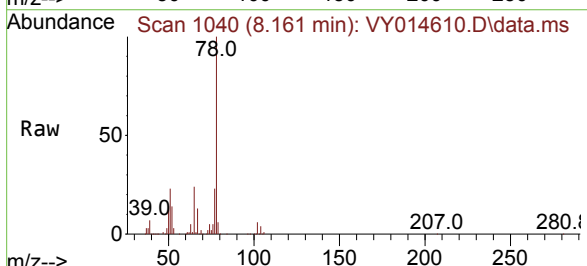
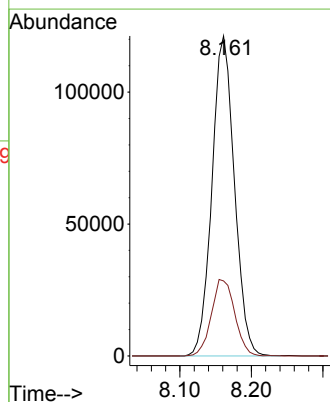
Acq: 10 Jul 2023 12:09

Tgt Ion: 78 Resp: 264383

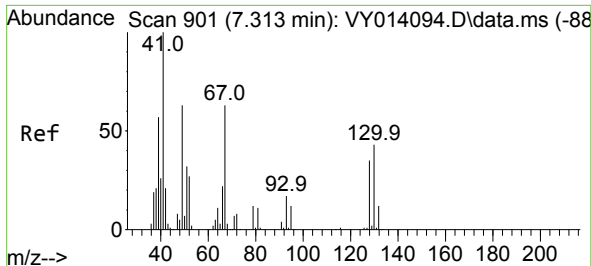
Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

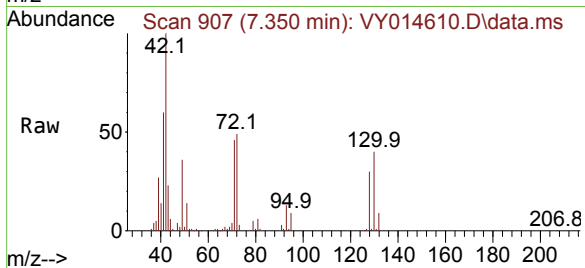




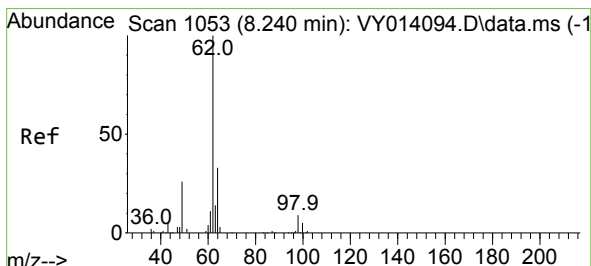
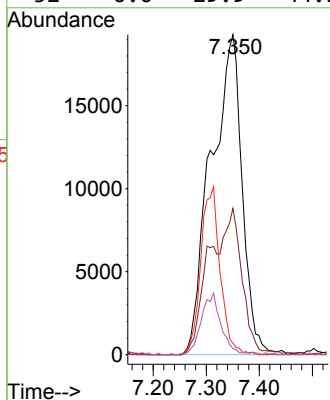
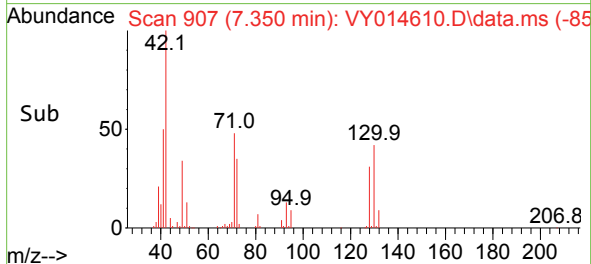


#41  
Methacrylonitrile  
Concen: 51.386 ug/l  
RT: 7.350 min Scan# 901  
Delta R.T. 0.037 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

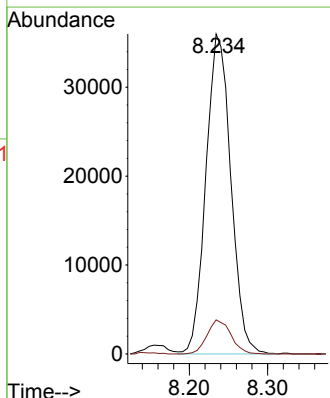
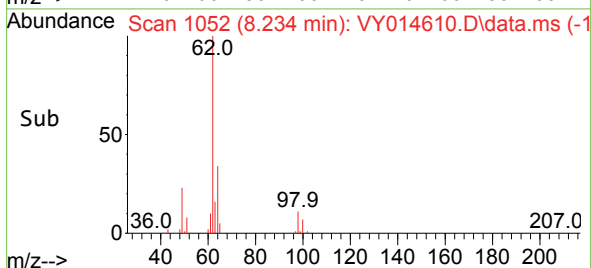
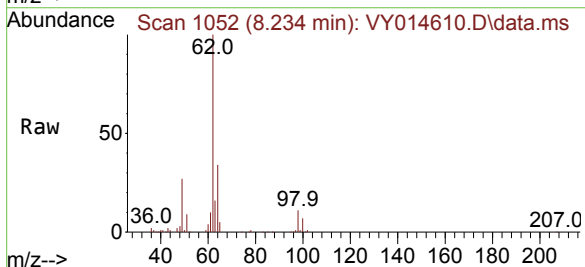


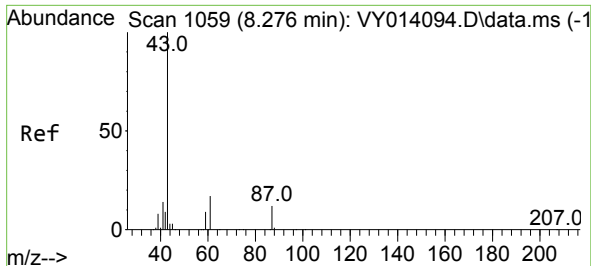
Tgt Ion: 41 Resp: 78392  
Ion Ratio Lower Upper  
41 100  
39 26.5 52.1 78.1#  
67 0.0 66.2 99.2#  
52 0.0 29.9 44.9#



#42  
1,2-Dichloroethane  
Concen: 19.654 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

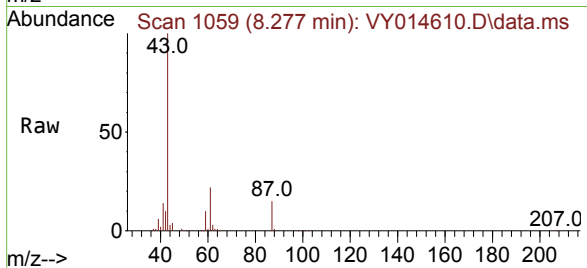
Tgt Ion: 62 Resp: 79623  
Ion Ratio Lower Upper  
62 100  
98 10.2 0.0 15.8



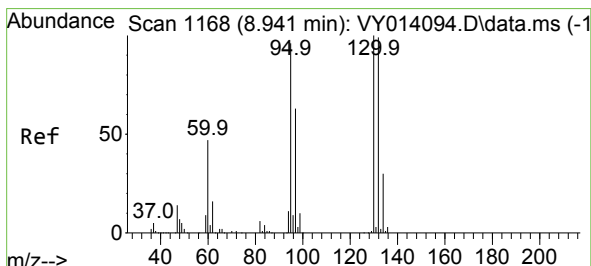
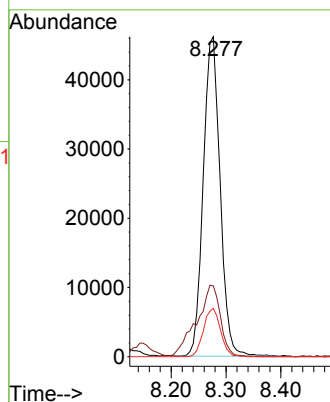
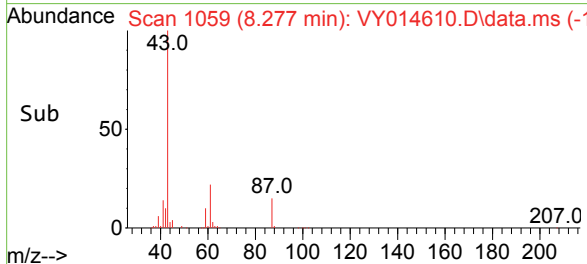


#43  
Isopropyl Acetate  
Concen: 18.577 ug/l  
RT: 8.277 min Scan# 1059  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

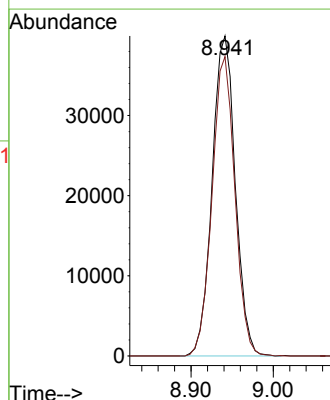
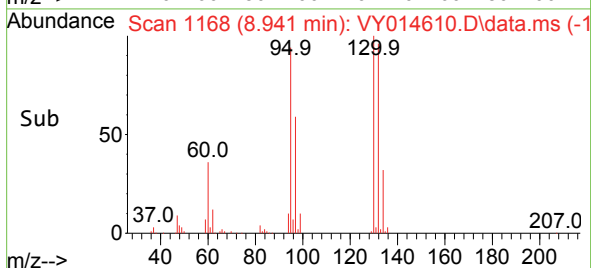
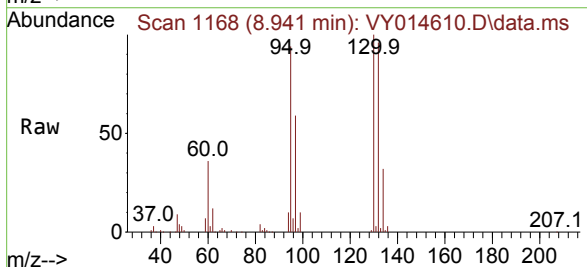


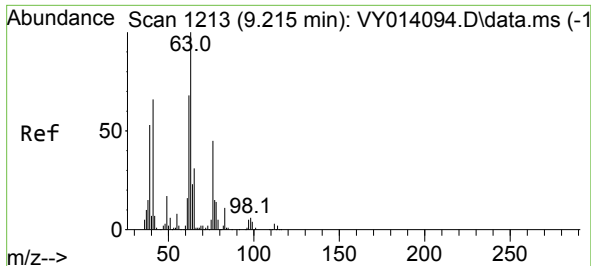
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 31.7  | 21.1  | 31.7  |
| 87      | 15.3  | 9.8   | 14.8  |



#44  
Trichloroethene  
Concen: 20.358 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 130     | 100   |       |       |
| 95      | 93.5  | 0.0   | 196.0 |





#45

1,2-Dichloropropane

Concen: 19.431 ug/l

RT: 9.216 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

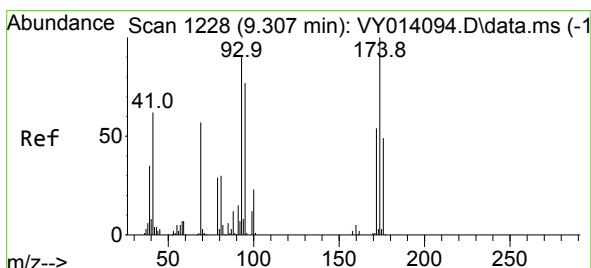
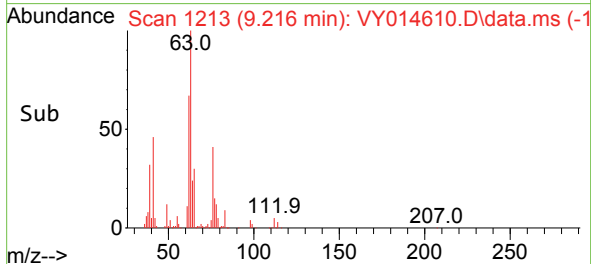
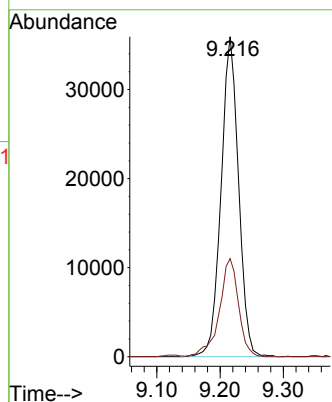
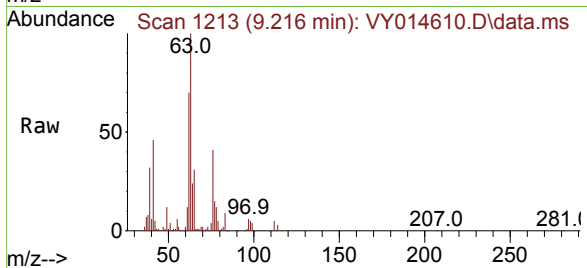
ClientSampleId :

Tgt Ion: 63 Resp: 68706

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 19.691 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

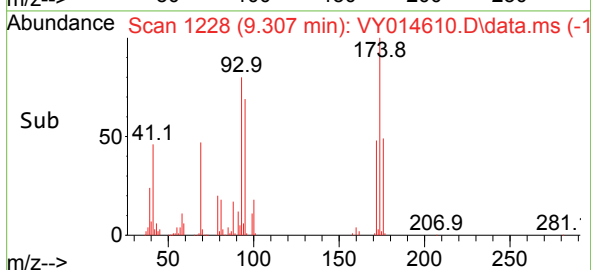
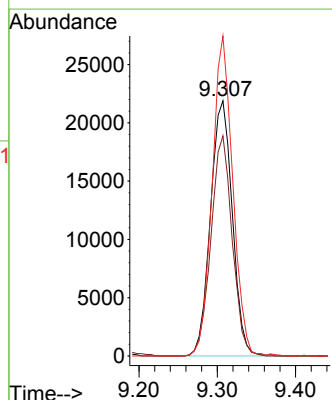
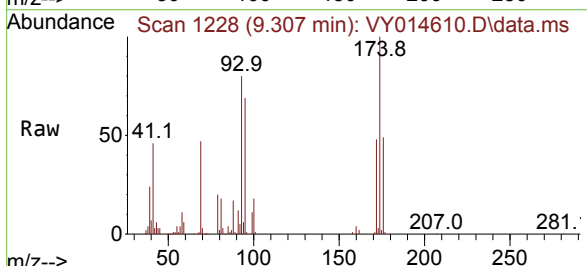
Tgt Ion: 93 Resp: 42387

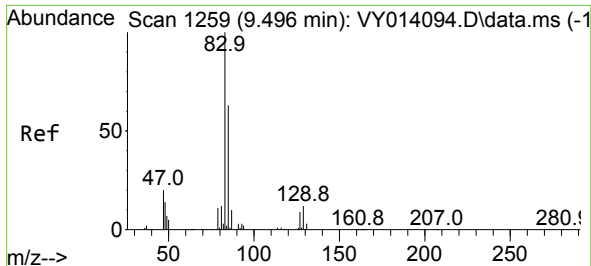
Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

174 118.2 84.8 127.2

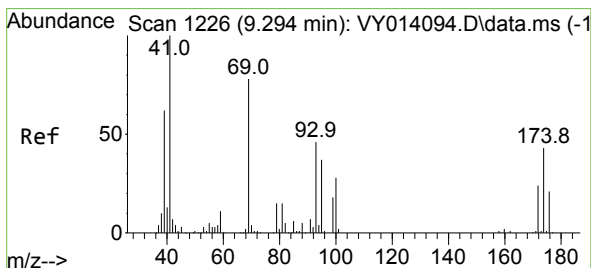
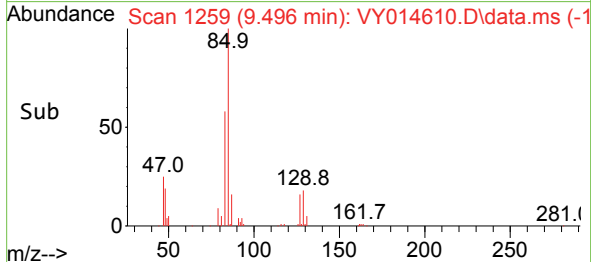
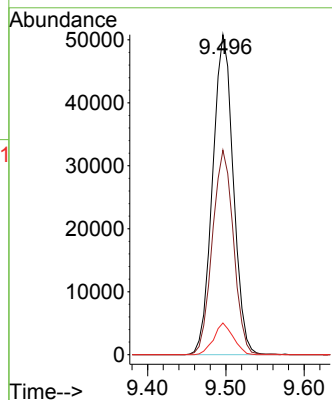
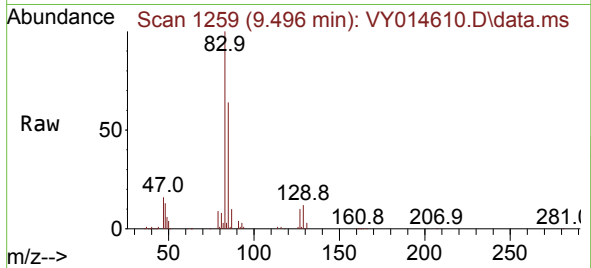




#47  
Bromodichloromethane  
Concen: 19.688 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

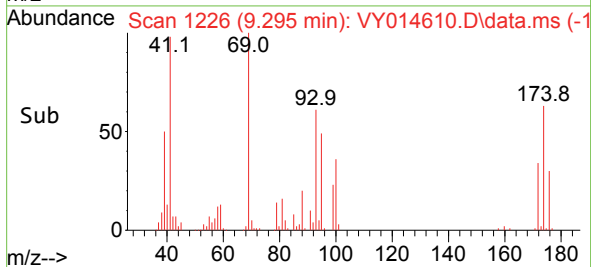
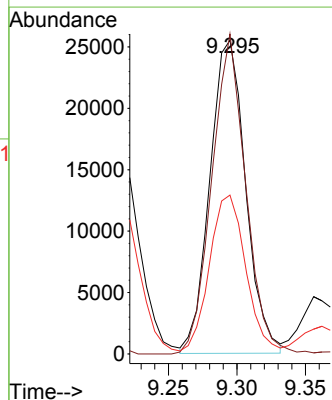
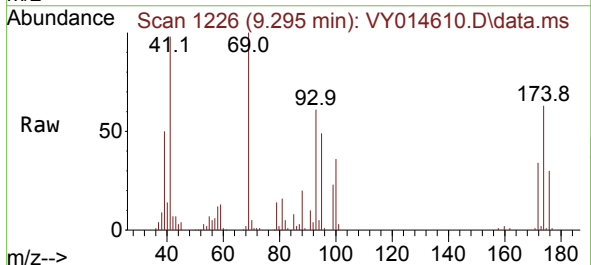
Instrument :  
MSVOA\_Y  
ClientSampleId :

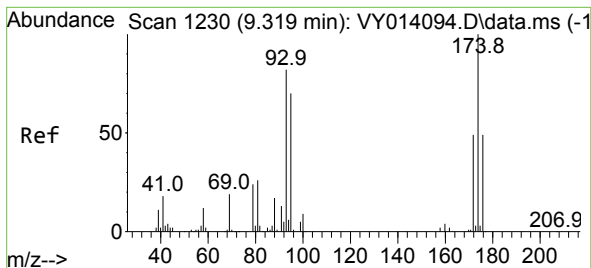
Tgt Ion: 83 Resp: 93379  
Ion Ratio Lower Upper  
83 100  
85 63.9 50.1 75.1  
127 9.9 7.1 10.7



#48  
Methyl methacrylate  
Concen: 19.224 ug/l  
RT: 9.295 min Scan# 1226  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 41 Resp: 46262  
Ion Ratio Lower Upper  
41 100  
69 96.9 64.5 96.7#  
39 50.1 50.8 76.2#





#49

1,4-Dioxane

Concen: 344.652 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.018 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

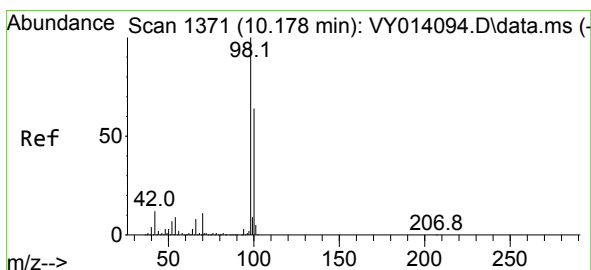
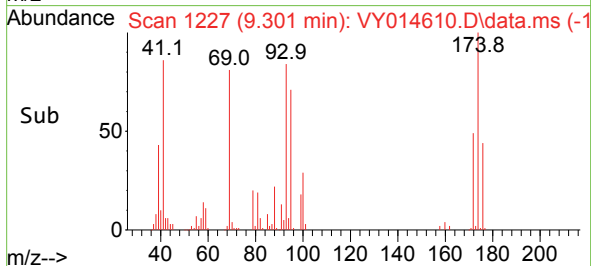
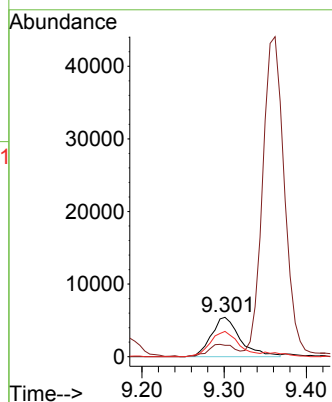
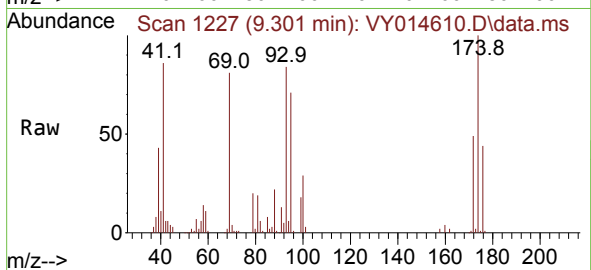
Tgt Ion: 88 Resp: 13248

Ion Ratio Lower Upper

88 100

43 28.7 0.0 0.0#

58 63.1 30.9 46.3#



#50

Toluene-d8

Concen: 51.927 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY014610.D

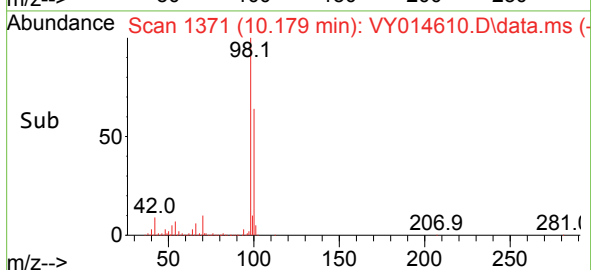
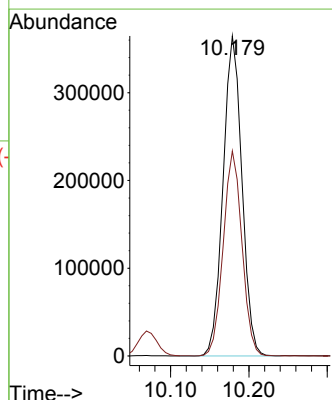
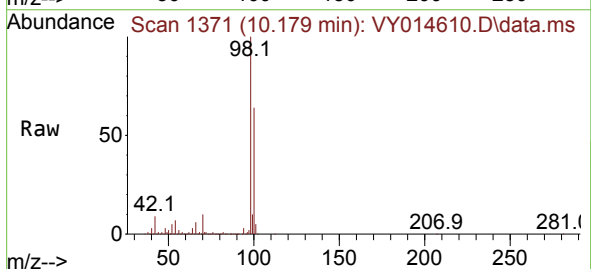
Acq: 10 Jul 2023 12:09

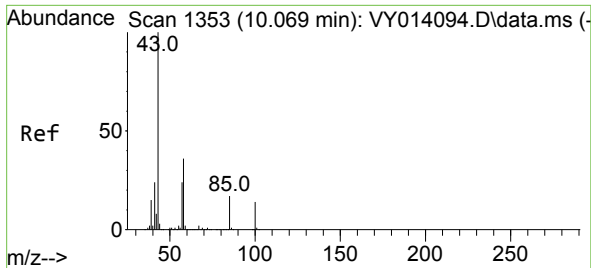
Tgt Ion: 98 Resp: 610345

Ion Ratio Lower Upper

98 100

100 63.6 50.1 75.1

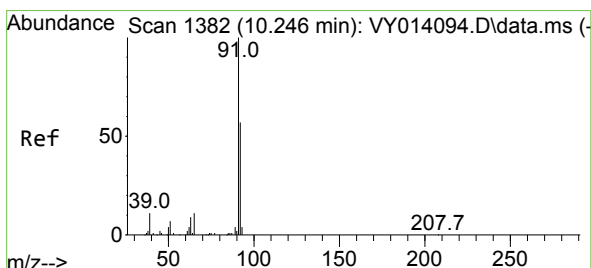
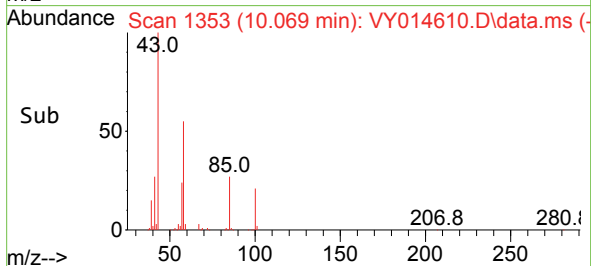
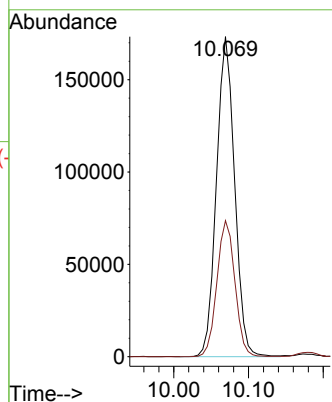
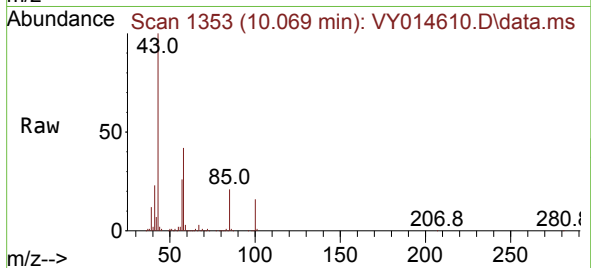




#51  
4-Methyl-2-Pentanone  
Concen: 93.247 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

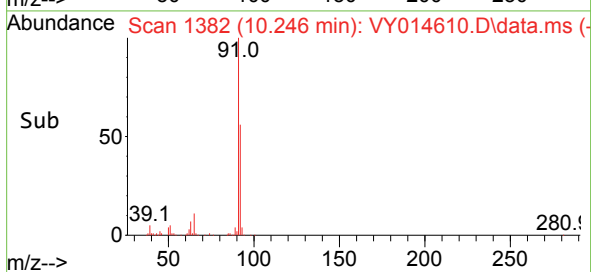
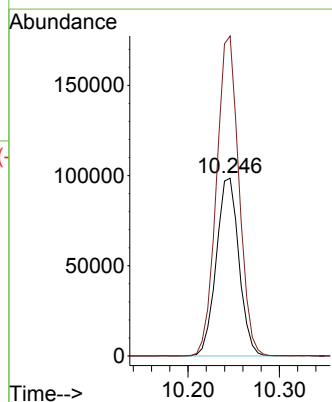
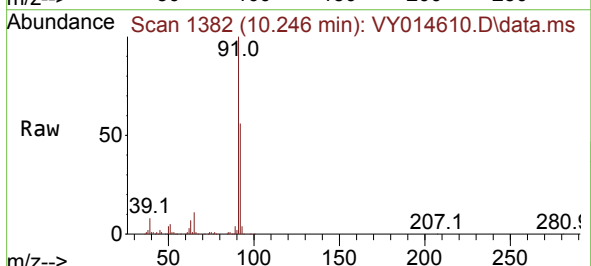
Instrument :  
MSVOA\_Y  
ClientSampleId :

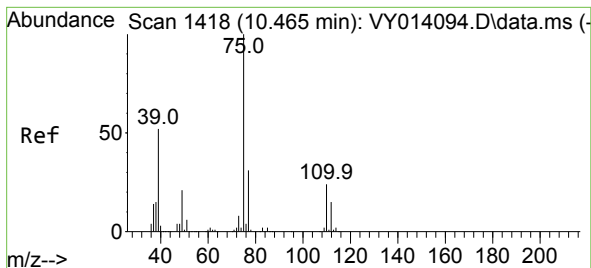
Tgt Ion: 43 Resp: 292140  
Ion Ratio Lower Upper  
43 100  
58 42.2 29.0 43.6



#52  
Toluene  
Concen: 19.591 ug/l  
RT: 10.246 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 92 Resp: 169924  
Ion Ratio Lower Upper  
92 100  
91 178.4 143.8 215.6

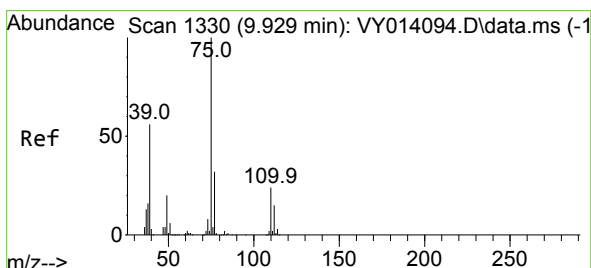
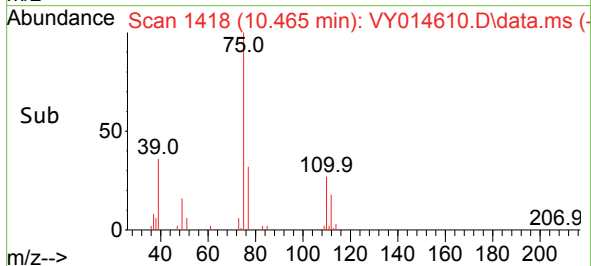
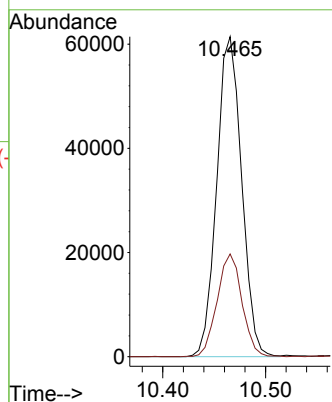
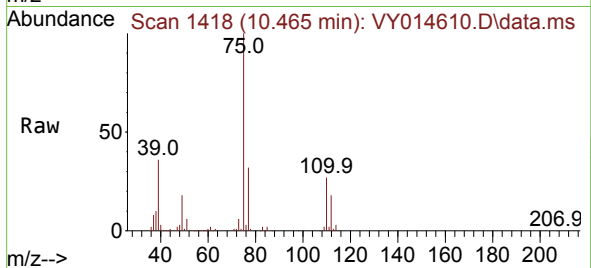




#53  
 t-1,3-Dichloropropene  
 Concen: 20.363 ug/l  
 RT: 10.465 min Scan# 1418  
 Delta R.T. 0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

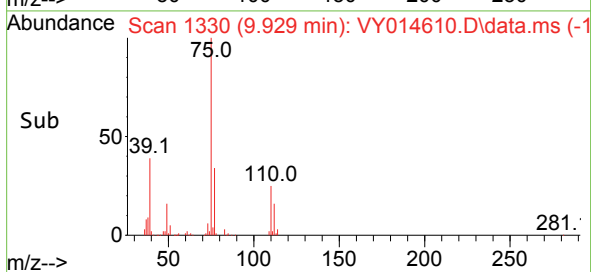
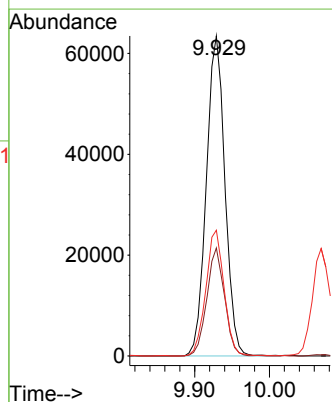
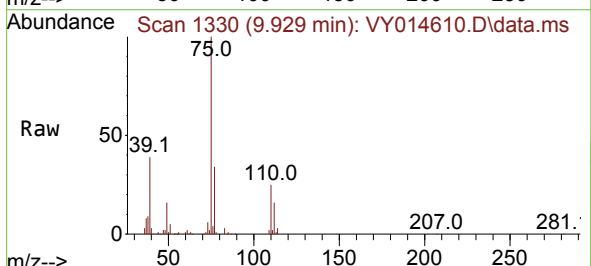
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

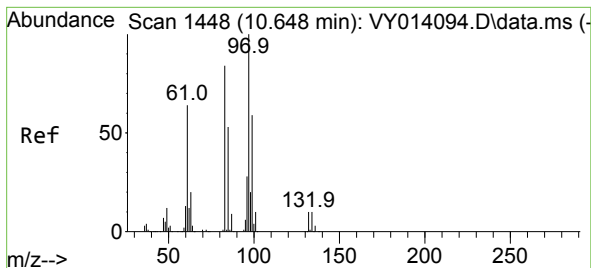
Tgt Ion: 75 Resp: 103278  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.382 ug/l  
 RT: 9.929 min Scan# 1330  
 Delta R.T. -0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

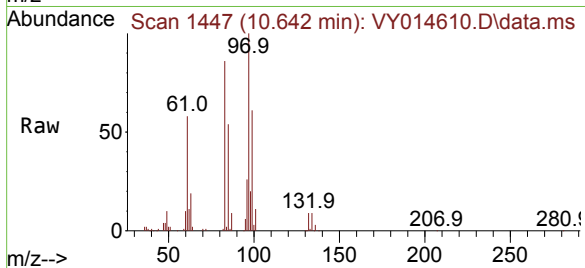
Tgt Ion: 75 Resp: 109681  
 Ion Ratio Lower Upper  
 75 100  
 77 33.7 24.2 36.4  
 39 39.3 42.2 63.4#



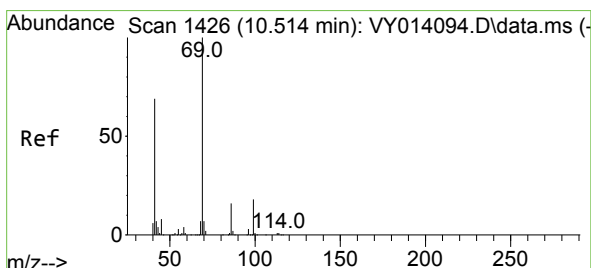
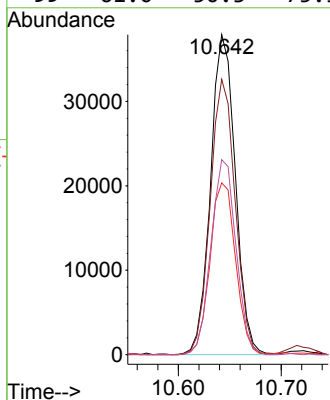
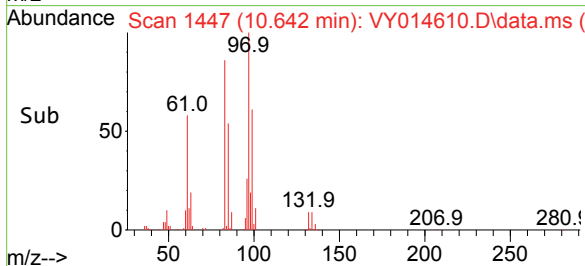


#55  
1,1,2-Trichloroethane  
Concen: 20.263 ug/l  
RT: 10.642 min Scan# 1448  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Instrument :  
MSVOA\_Y  
ClientSampleId :

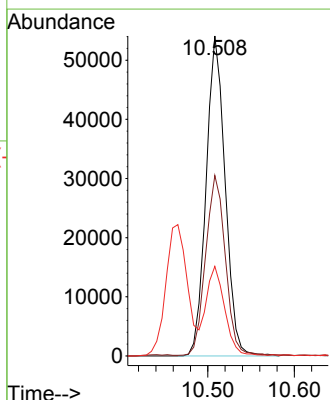
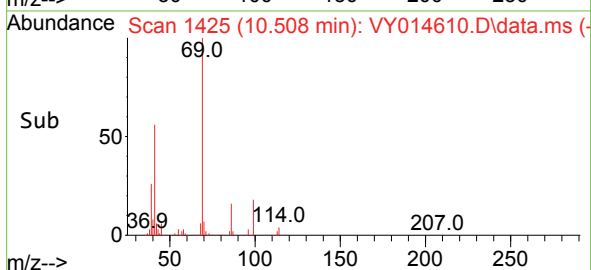
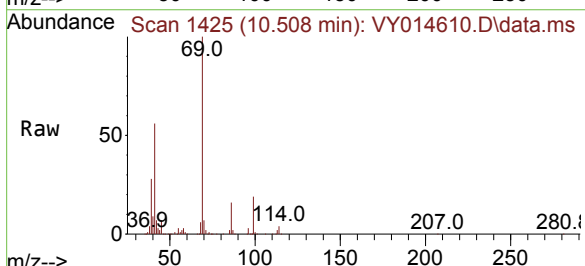


|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 63470 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 85.9     | 72.0 108.0  |
| 85 53.7     | 45.4 68.0   |
| 99 61.0     | 50.3 75.5   |

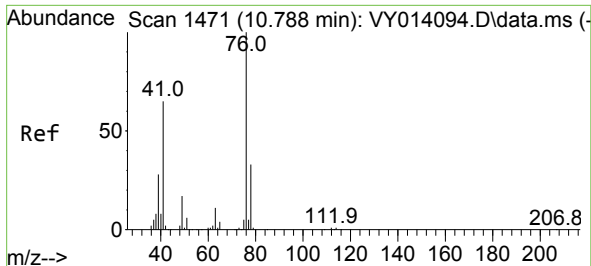


#56  
Ethyl methacrylate  
Concen: 19.404 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 82678 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 58.6     | 57.6 86.4   |
| 39 26.8     | 34.1 51.1#  |







#57

1,3-Dichloropropane

Concen: 19.895 ug/l

RT: 10.789 min Scan# 1471

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

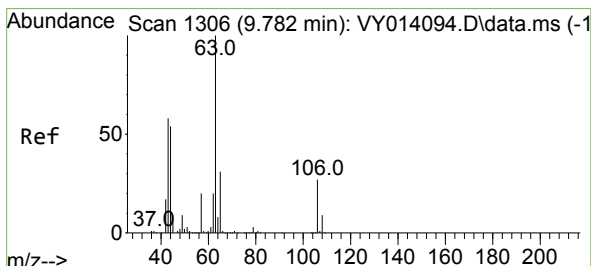
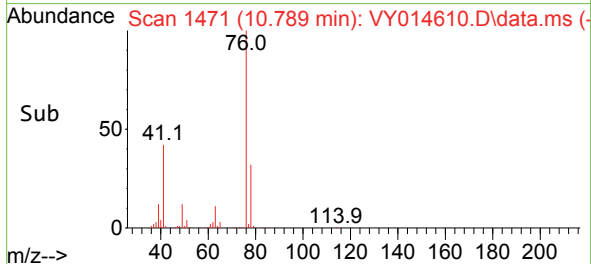
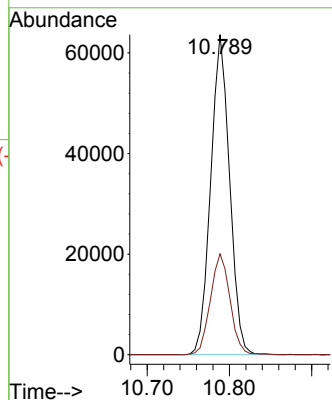
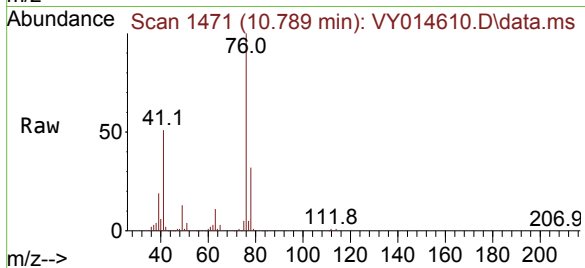
ClientSampleId :

Tgt Ion: 76 Resp: 101537

Ion Ratio Lower Upper

76 100

78 32.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 98.281 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. 0.001 min

Lab File: VY014610.D

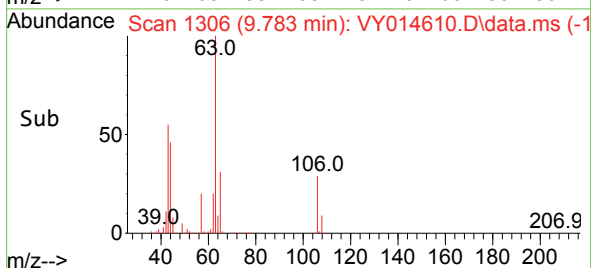
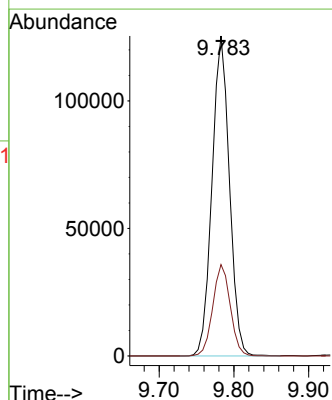
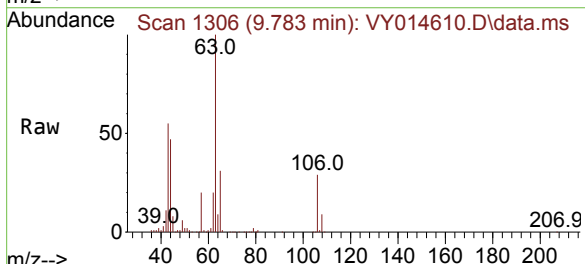
Acq: 10 Jul 2023 12:09

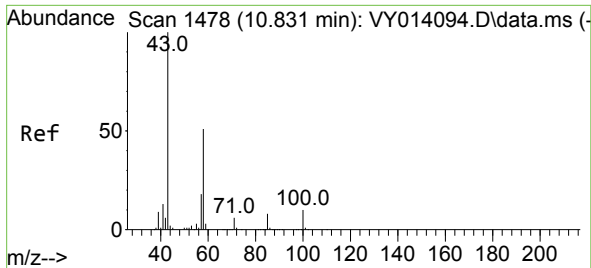
Tgt Ion: 63 Resp: 202866

Ion Ratio Lower Upper

63 100

106 28.7 21.2 31.8

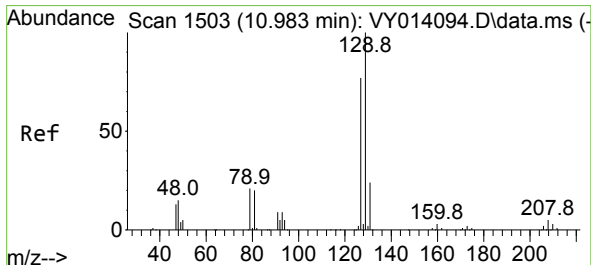
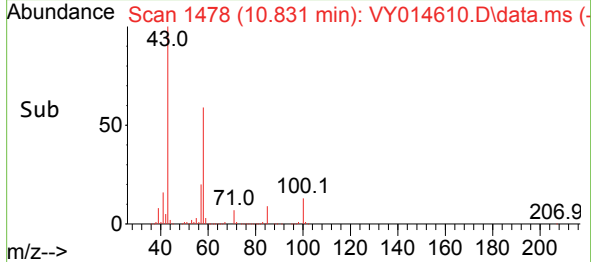
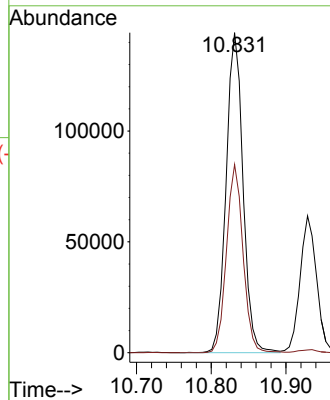
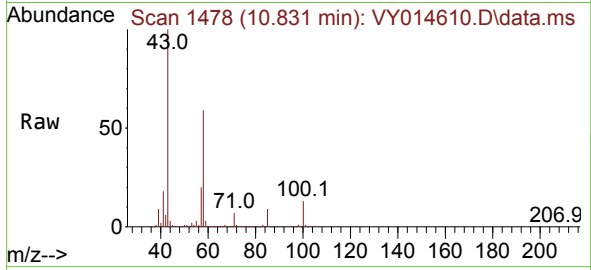




#59  
2-Hexanone  
Concen: 99.988 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

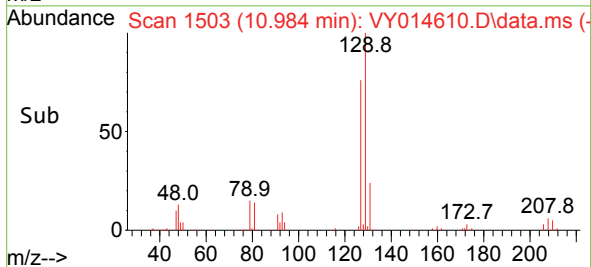
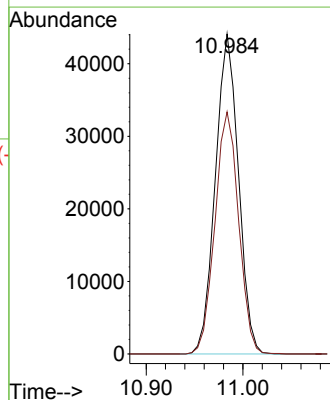
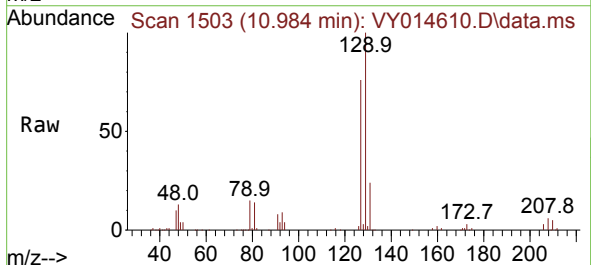
Instrument :  
MSVOA\_Y  
ClientSampleId :

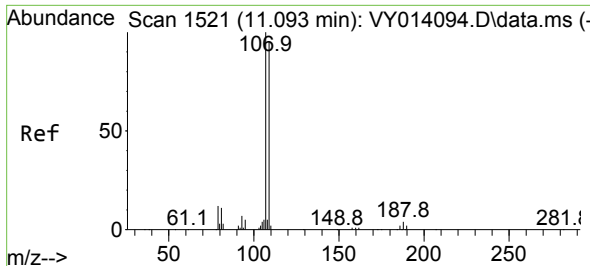
Tgt Ion: 43 Resp: 226287  
Ion Ratio Lower Upper  
43 100  
58 57.6 25.1 75.3



#60  
Dibromochloromethane  
Concen: 19.895 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 129 Resp: 73019  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.5 115.5

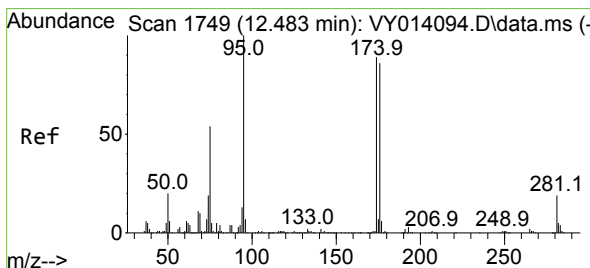
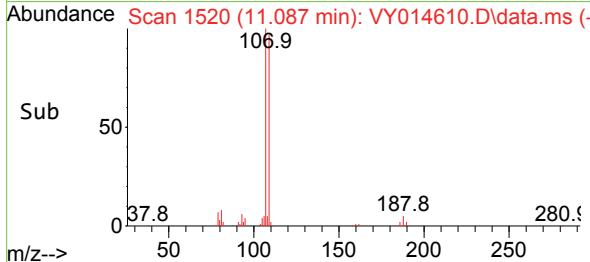
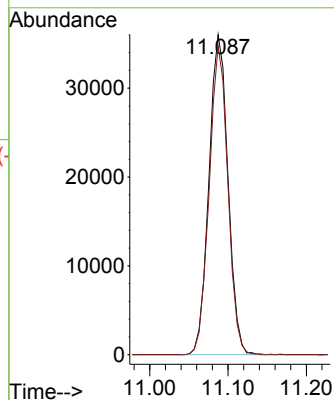
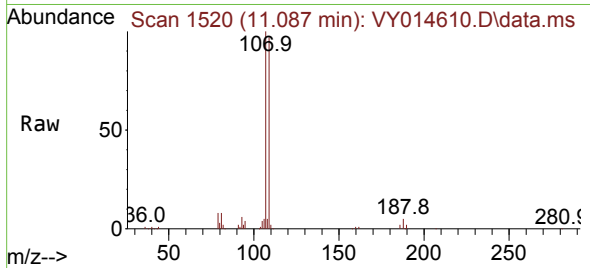




#61  
1,2-Dibromoethane  
Concen: 19.852 ug/l  
RT: 11.087 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

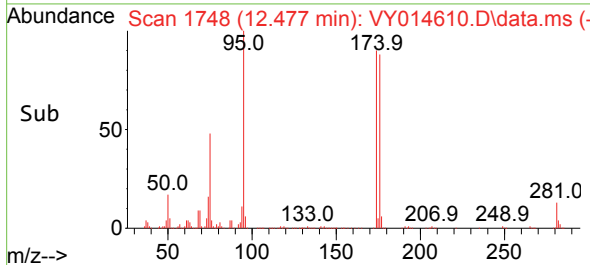
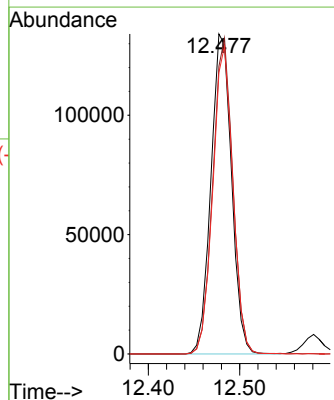
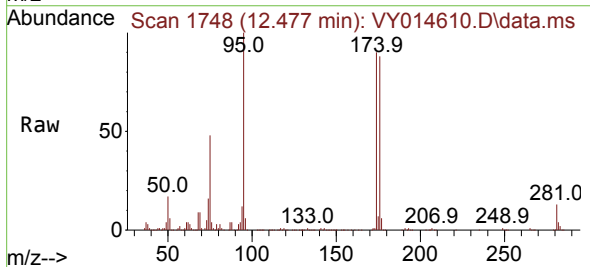
Instrument :  
MSVOA\_Y  
ClientSampleId :

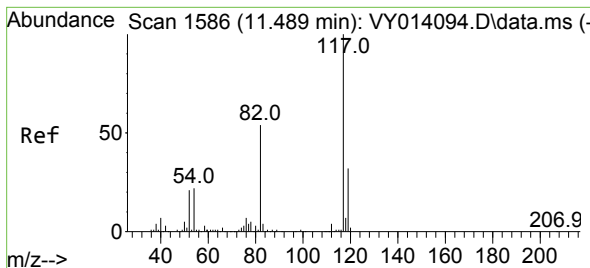
Tgt Ion:107 Resp: 60707  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 51.361 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 95 Resp: 209629  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 178.2  
176 93.6 0.0 173.8

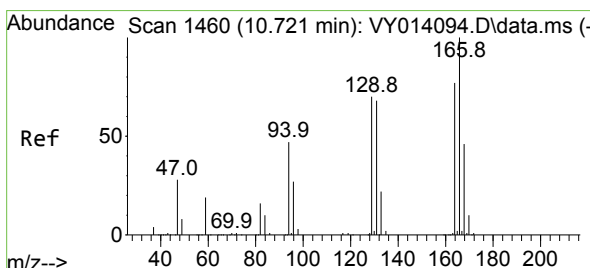
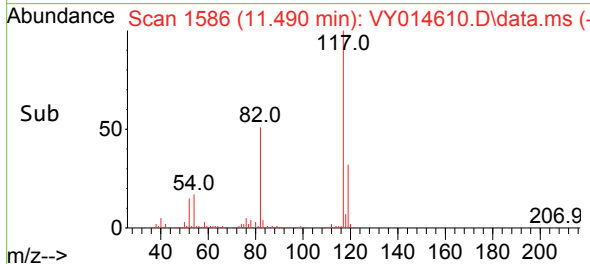
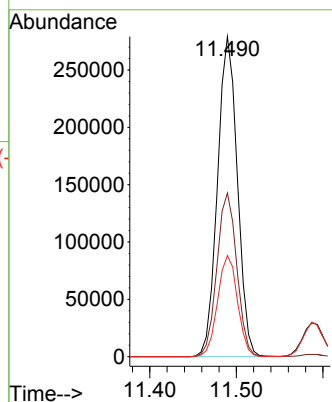
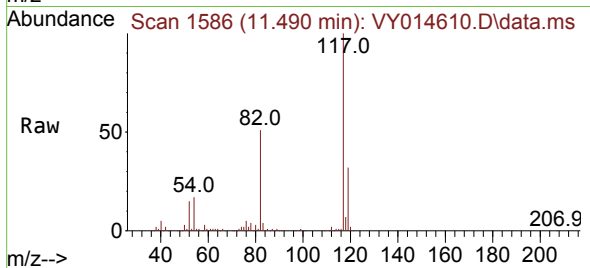




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

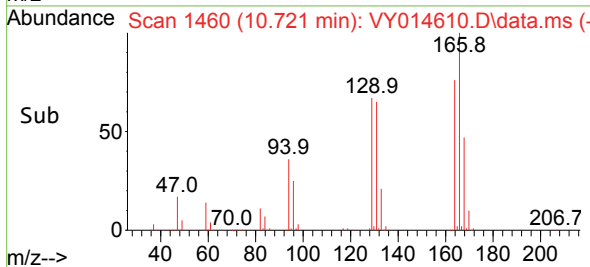
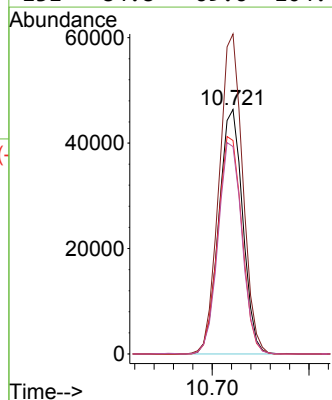
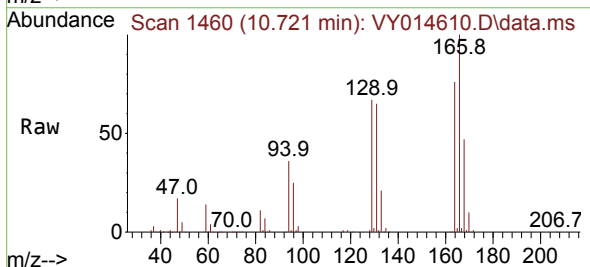
Instrument :  
MSVOA\_Y  
ClientSampleId :

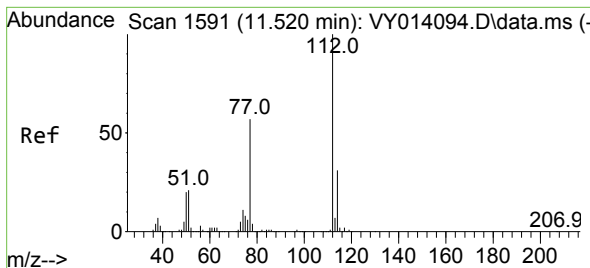
Tgt Ion:117 Resp: 444536  
Ion Ratio Lower Upper  
117 100  
82 51.2 43.4 65.0  
119 31.6 26.3 39.5



#64  
Tetrachloroethene  
Concen: 20.003 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion:164 Resp: 79489  
Ion Ratio Lower Upper  
164 100  
166 130.9 103.0 154.6  
129 87.3 77.2 115.8  
131 84.8 69.6 104.4

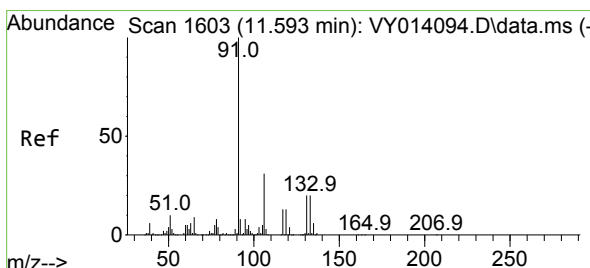
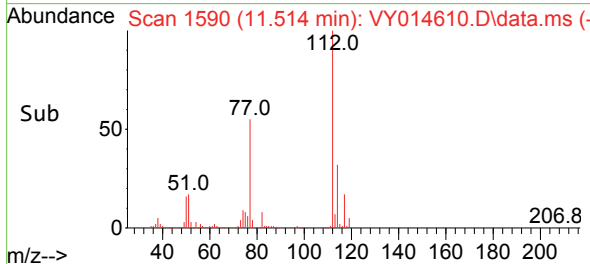
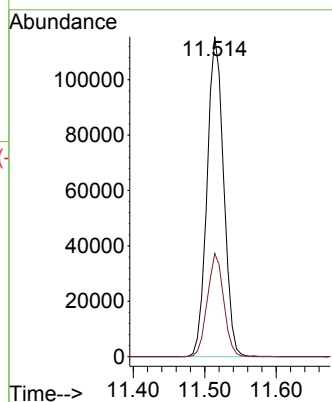
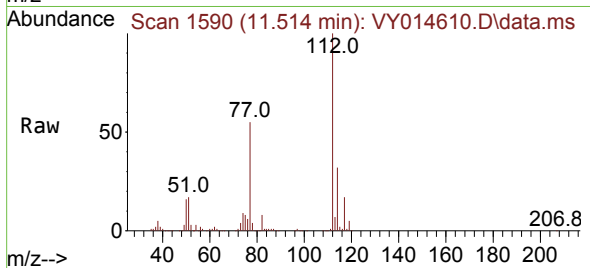




#65  
Chlorobenzene  
Concen: 19.645 ug/l  
RT: 11.514 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

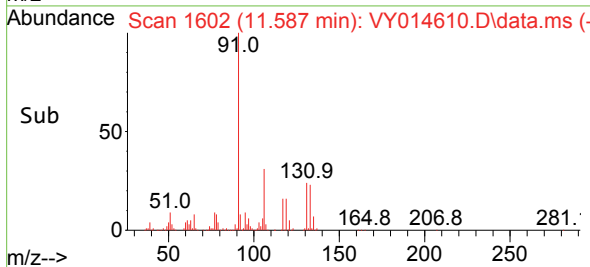
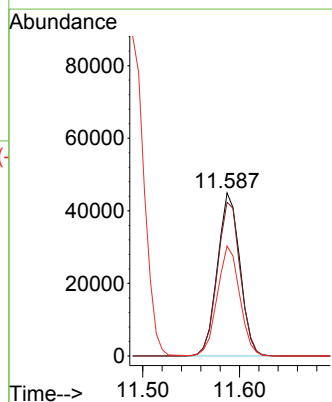
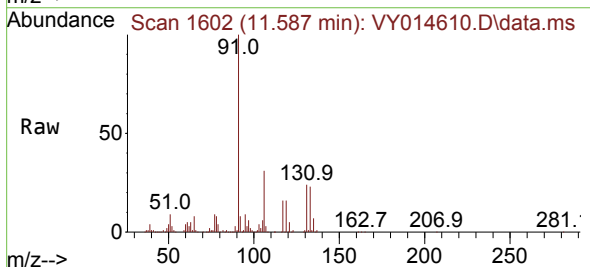
Instrument :  
MSVOA\_Y  
ClientSampleId :

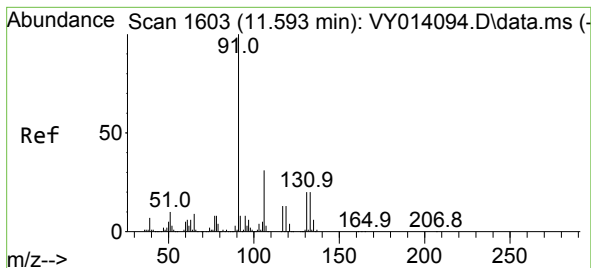
Tgt Ion:112 Resp: 186109  
Ion Ratio Lower Upper  
112 100  
114 32.2 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.065 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.006 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion:131 Resp: 72247  
Ion Ratio Lower Upper  
131 100  
133 96.6 47.5 142.6  
119 67.2 31.6 94.7

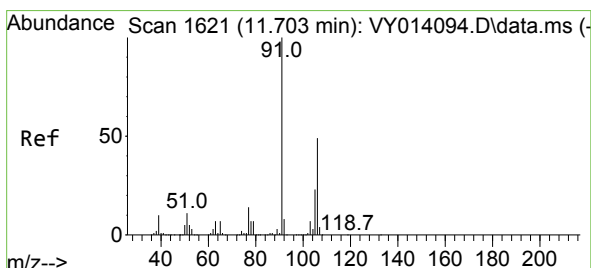
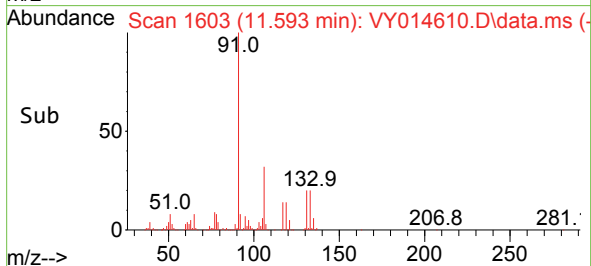
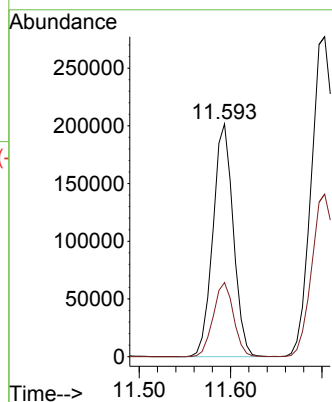
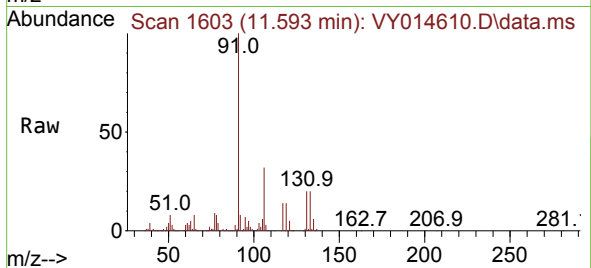




#67  
Ethyl Benzene  
Concen: 19.272 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

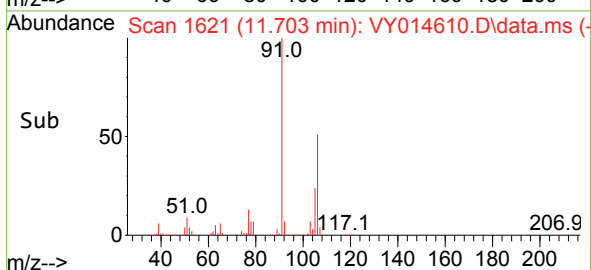
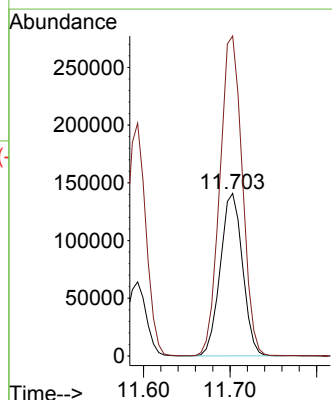
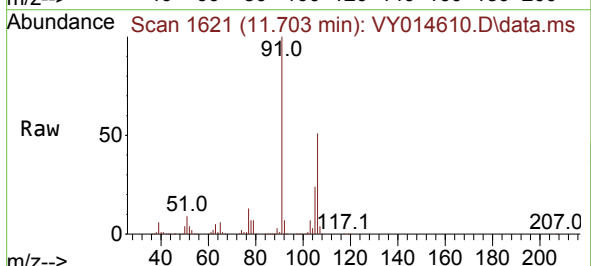
Instrument :  
MSVOA\_Y  
ClientSampleId :

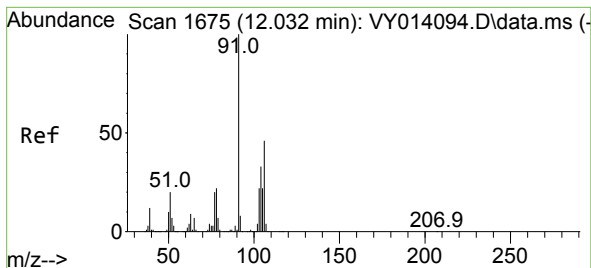
Tgt Ion: 91 Resp: 311345  
Ion Ratio Lower Upper  
91 100  
106 31.8 24.6 36.8



#68  
m/p-Xylenes  
Concen: 39.166 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 106 Resp: 250981  
Ion Ratio Lower Upper  
106 100  
91 199.1 166.1 249.1





#69

o-Xylene

Concen: 19.311 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

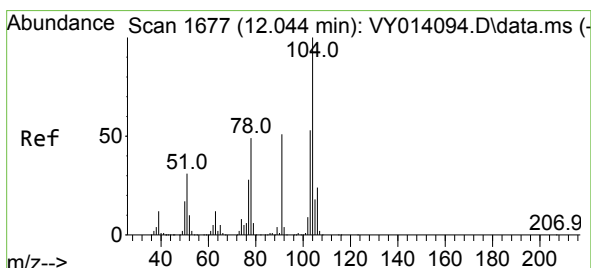
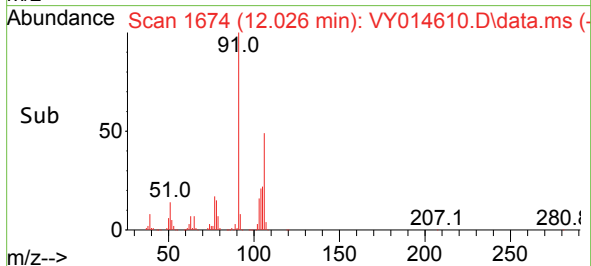
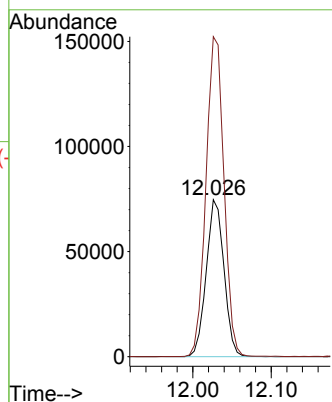
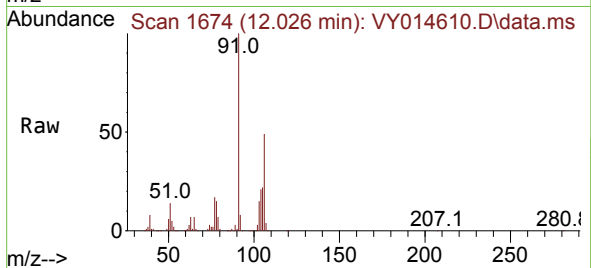
ClientSampleId :

Tgt Ion:106 Resp: 117373

Ion Ratio Lower Upper

106 100

91 206.5 108.1 324.3



#70

Styrene

Concen: 19.394 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

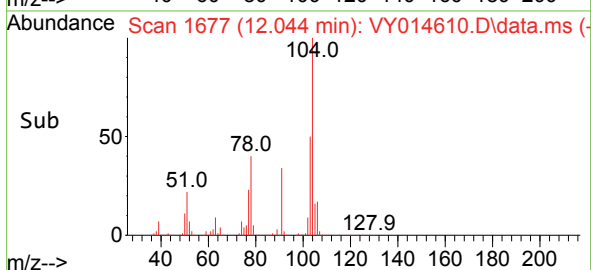
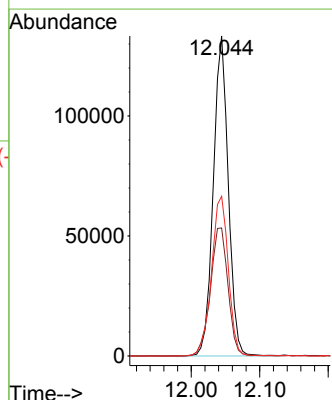
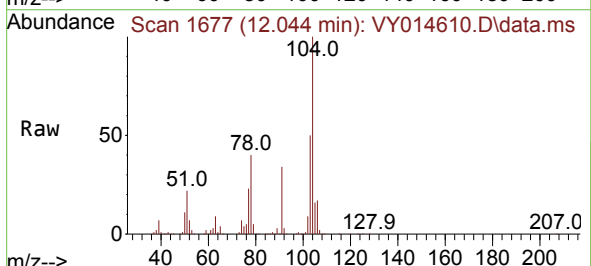
Tgt Ion:104 Resp: 202805

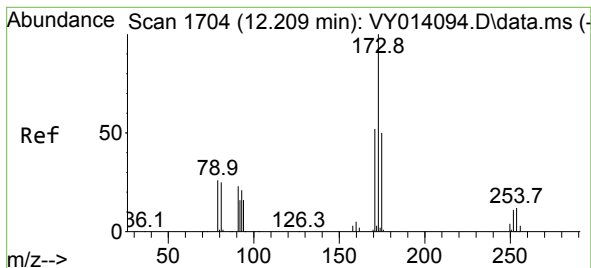
Ion Ratio Lower Upper

104 100

78 47.1 41.5 62.3

103 56.0 44.6 67.0





#71

Bromoform

Concen: 20.595 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

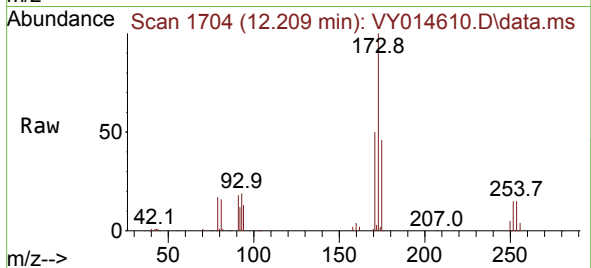
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

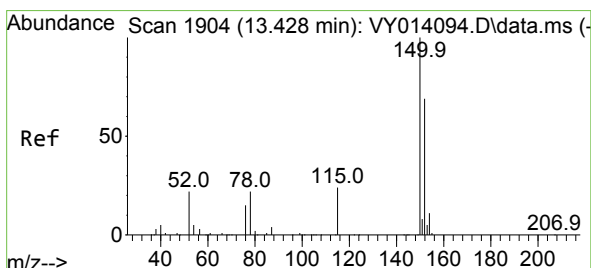
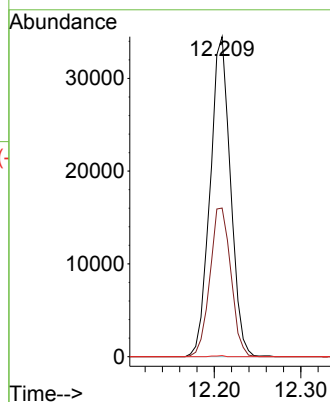
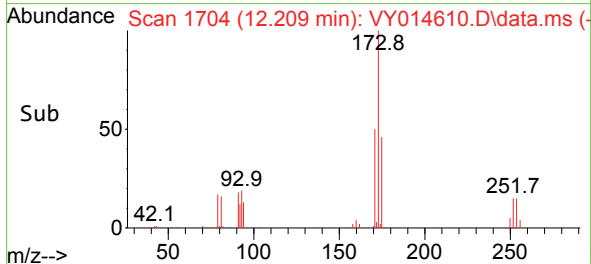
Instrument :

MSVOA\_Y

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 56336 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 47.8  | 24.6  | 73.8  |
| 254       | 0.2   | 0.2   | 0.2#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

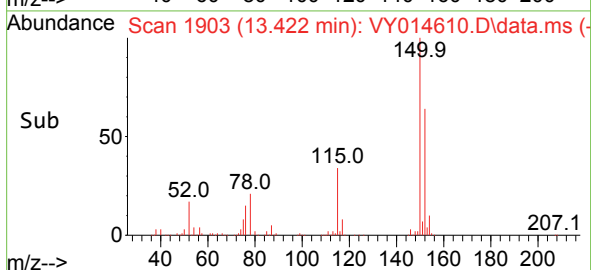
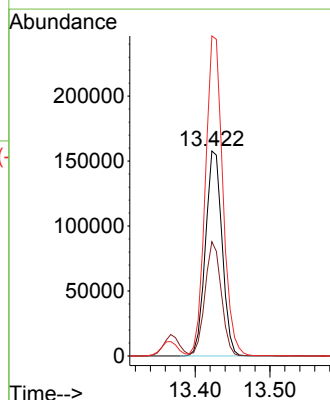
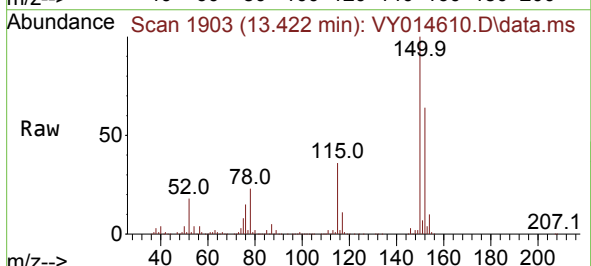
RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

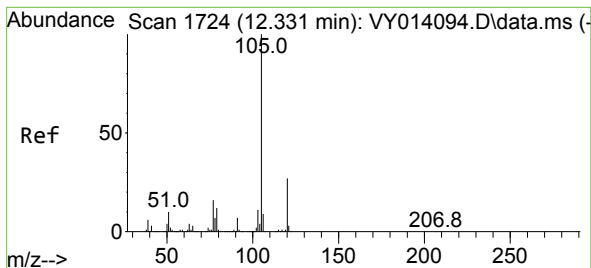
Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 243369 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 54.5  | 28.8  | 86.5   |
| 150       | 163.7 | 0.0   | 348.8  |







#73

Isopropylbenzene

Concen: 19.260 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

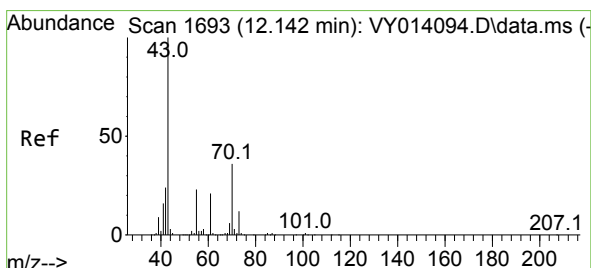
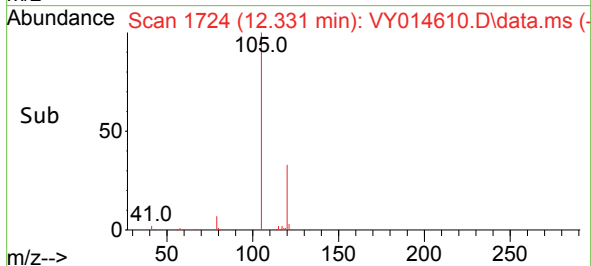
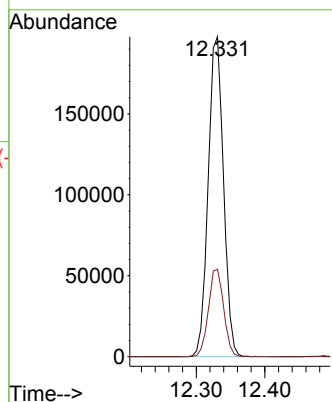
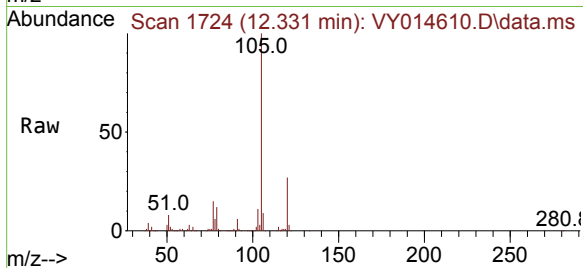
ClientSampleId :

Tgt Ion:105 Resp: 306978

Ion Ratio Lower Upper

105 100

120 27.2 13.3 39.9



#74

N-ethyl acetate

Concen: 18.644 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Tgt Ion: 43 Resp: 89685

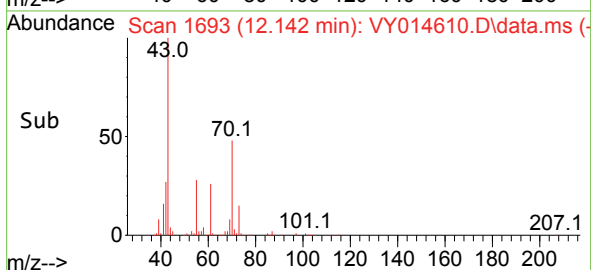
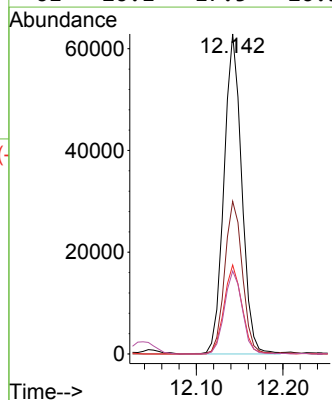
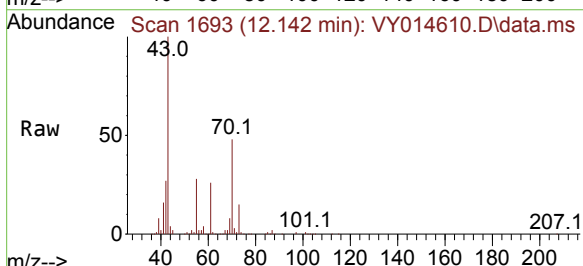
Ion Ratio Lower Upper

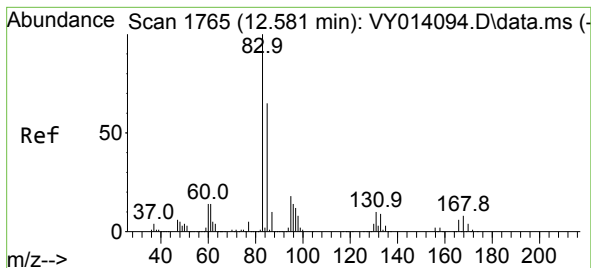
43 100

70 47.6 29.7 44.5#

55 28.0 18.3 27.5#

61 26.1 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.619 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

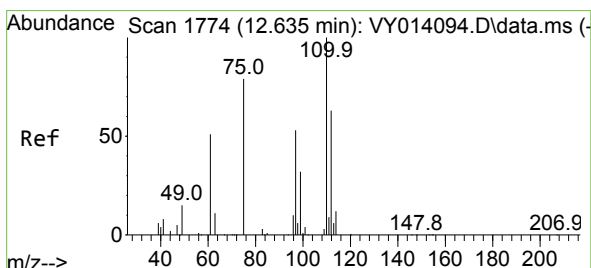
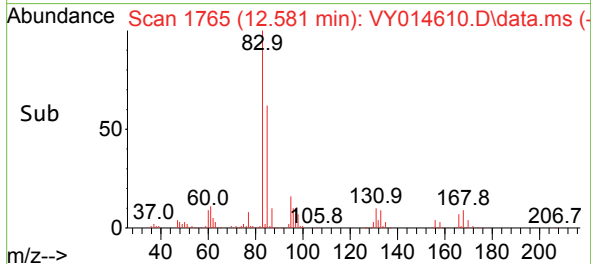
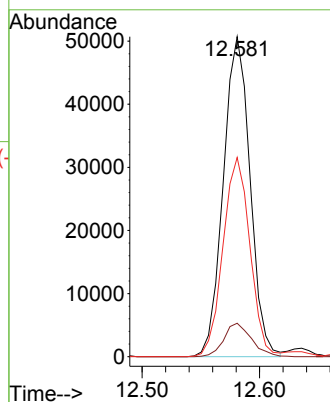
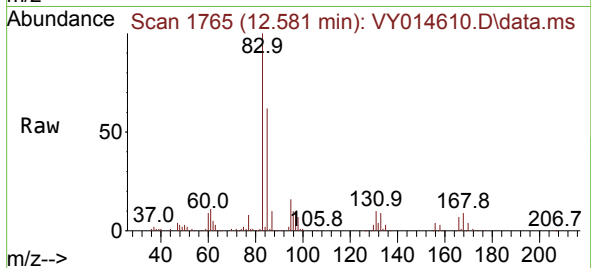
Tgt Ion: 83 Resp: 80245

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

85 62.7 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 34.874 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.005 min

Lab File: VY014610.D

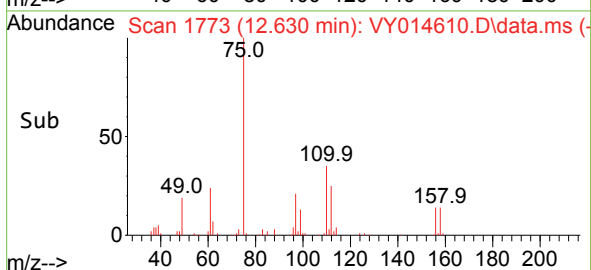
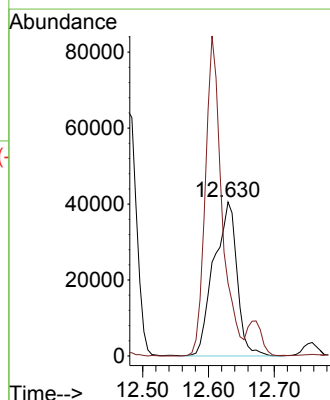
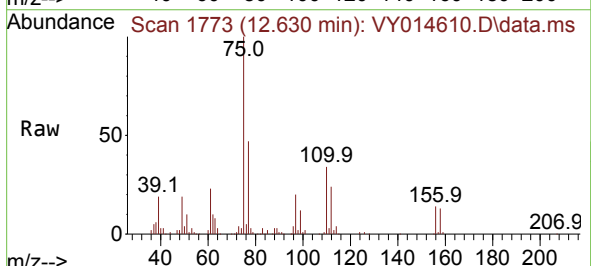
Acq: 10 Jul 2023 12:09

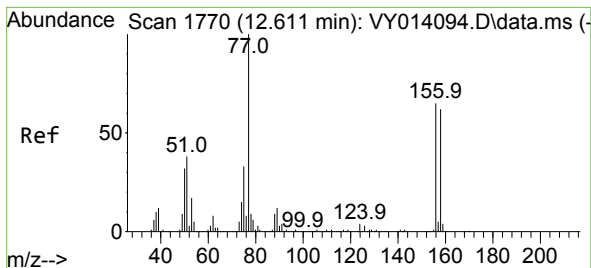
Tgt Ion: 75 Resp: 99596

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.420 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY014610.D

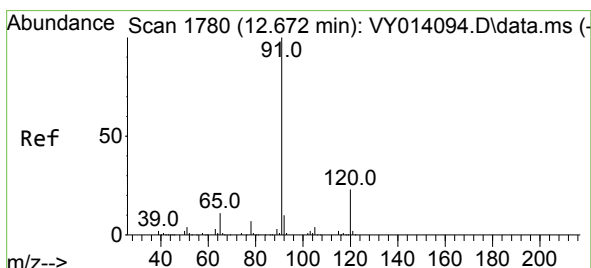
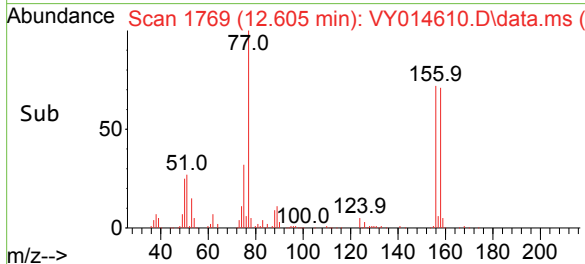
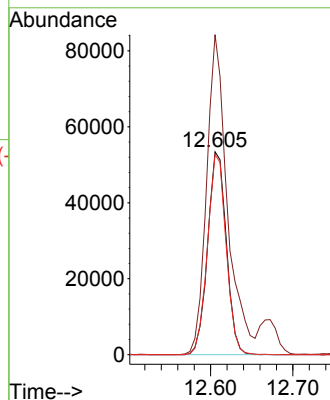
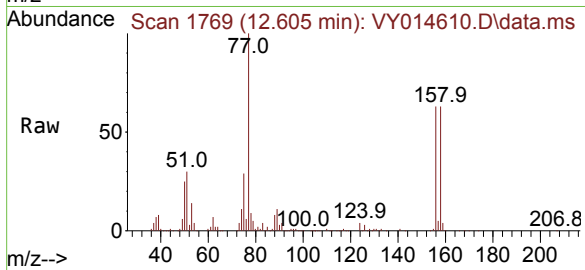
Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 84542 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 175.8 | 92.8  | 278.6 |
| 158       | 98.3  | 48.4  | 145.3 |



#78

n-propylbenzene

Concen: 19.869 ug/l

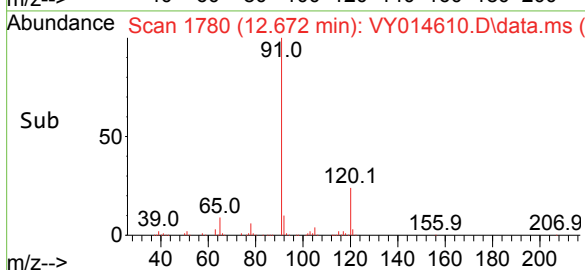
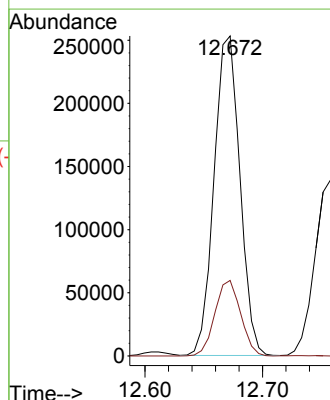
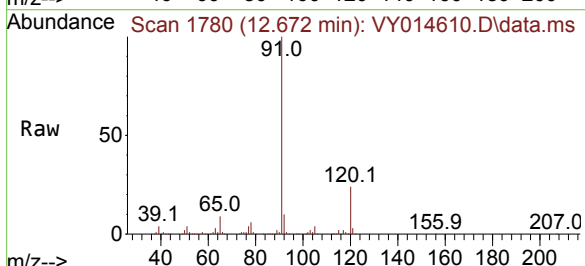
RT: 12.672 min Scan# 1780

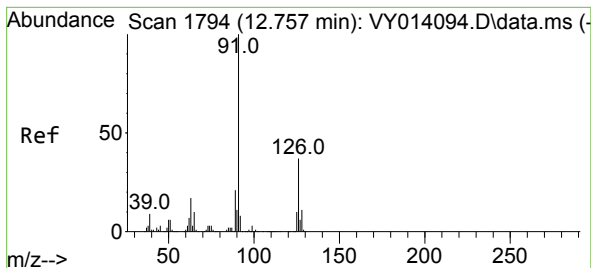
Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 386307 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 23.6  | 11.5  | 34.4   |

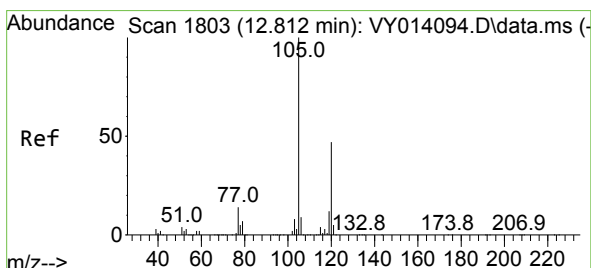
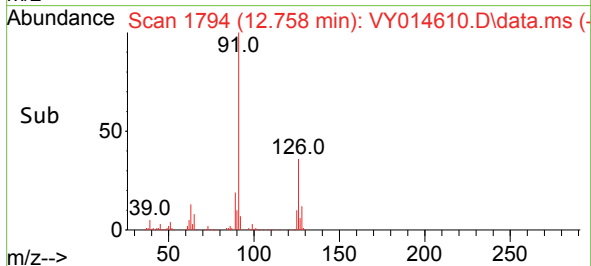
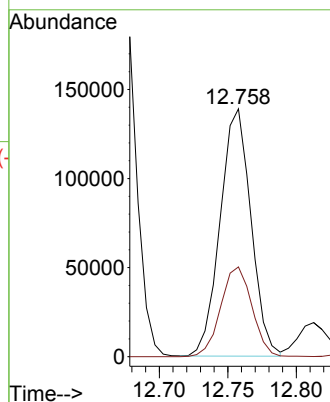
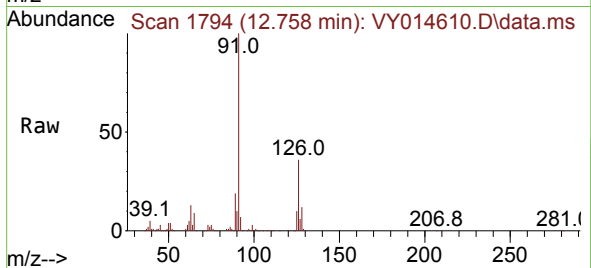




#79  
2-Chlorotoluene  
Concen: 19.444 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

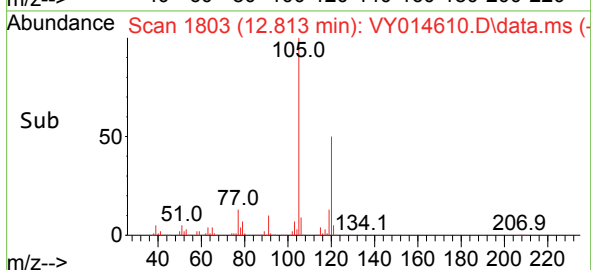
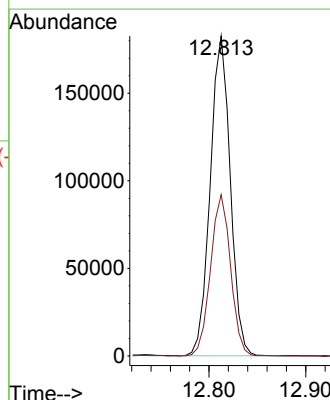
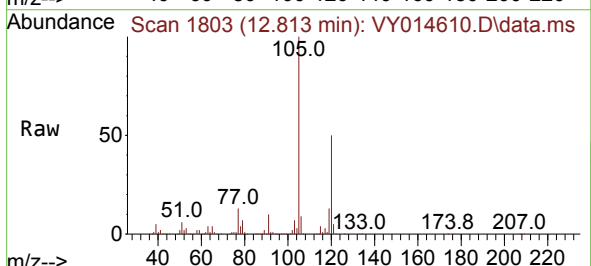
Instrument :  
MSVOA\_Y  
ClientSampleId :

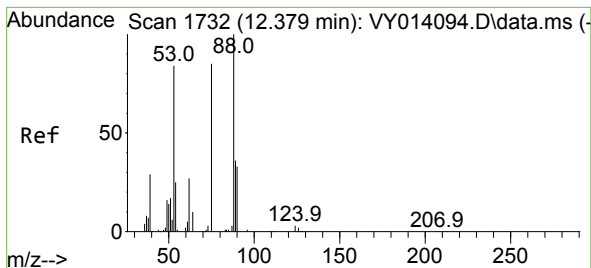
Tgt Ion: 91 Resp: 217566  
Ion Ratio Lower Upper  
91 100  
126 36.8 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 19.495 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 105 Resp: 263047  
Ion Ratio Lower Upper  
105 100  
120 50.5 23.9 71.7

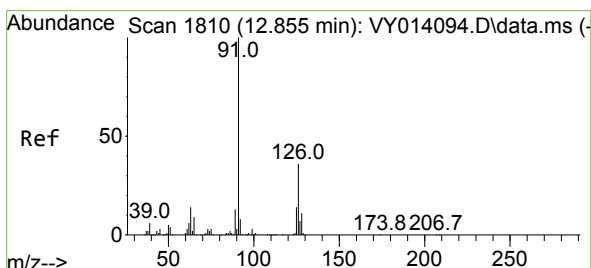
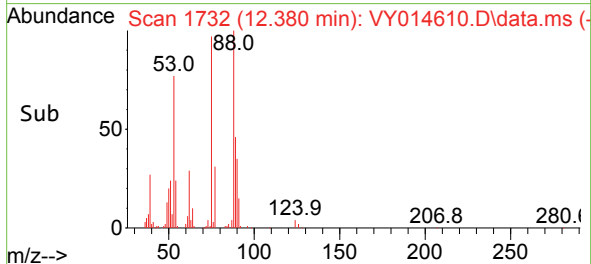
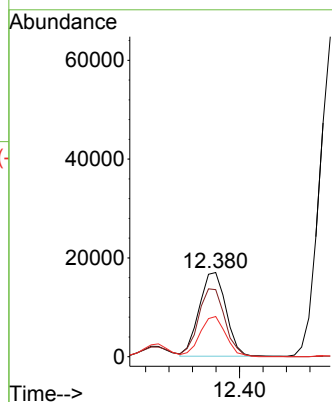
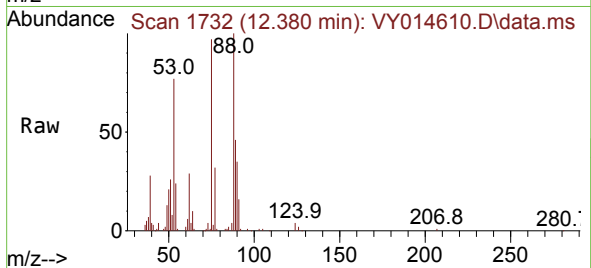




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.283 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. 0.001 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

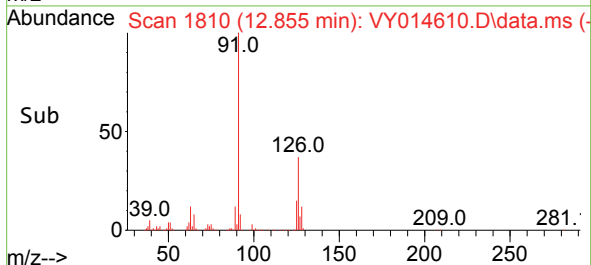
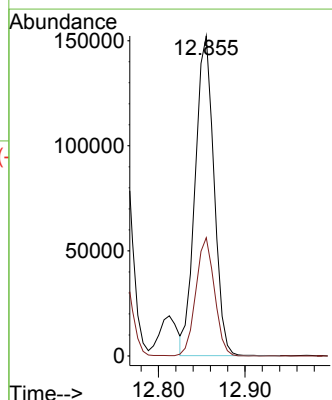
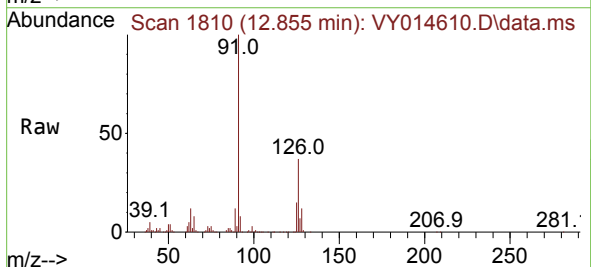
Instrument :  
MSVOA\_Y  
ClientSampleId :

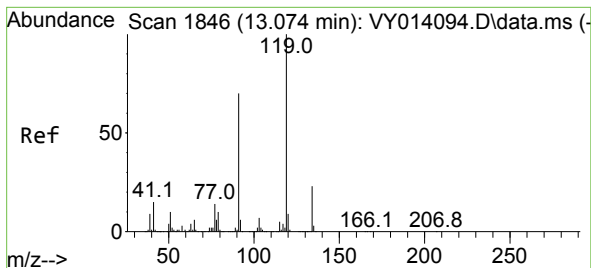
Tgt Ion: 75 Resp: 26825  
Ion Ratio Lower Upper  
75 100  
53 80.9 77.8 116.8  
89 46.3 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 19.489 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY014610.D  
Acq: 10 Jul 2023 12:09

Tgt Ion: 91 Resp: 228456  
Ion Ratio Lower Upper  
91 100  
126 36.7 17.2 51.6





#83

tert-Butylbenzene

Concen: 19.286 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

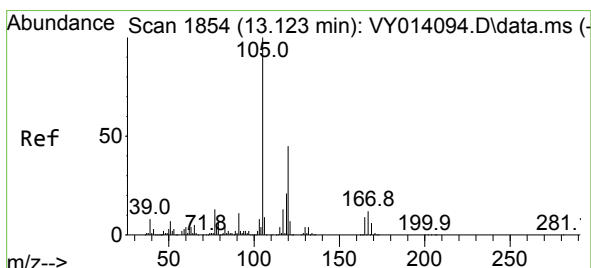
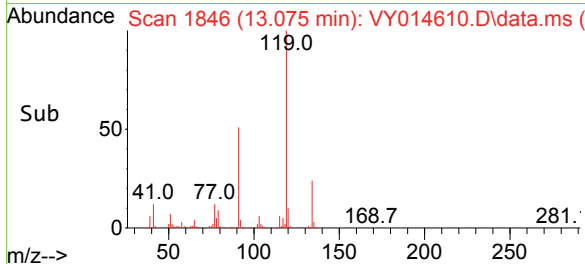
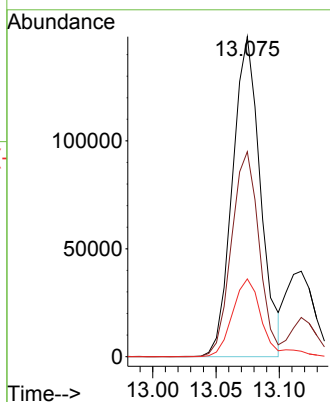
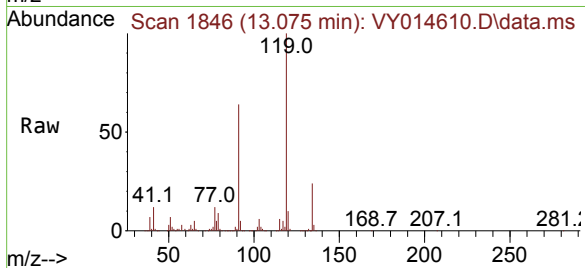
Tgt Ion:119 Resp: 228710

Ion Ratio Lower Upper

119 100

91 63.2 32.9 98.6

134 26.0 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 19.483 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY014610.D

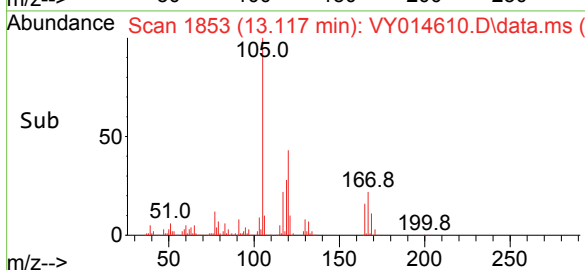
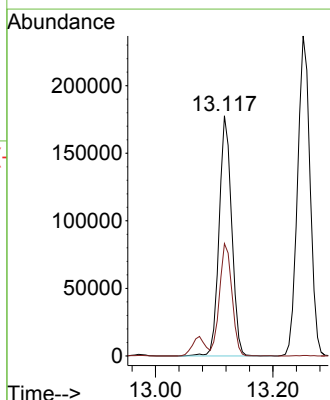
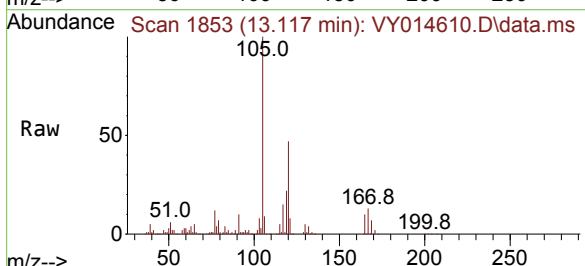
Acq: 10 Jul 2023 12:09

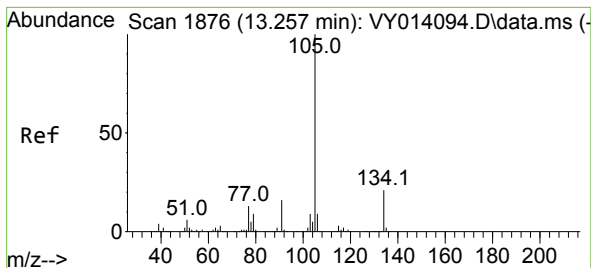
Tgt Ion:105 Resp: 262327

Ion Ratio Lower Upper

105 100

120 46.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.970 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. -0.005 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

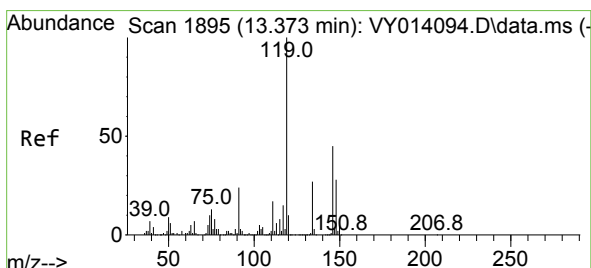
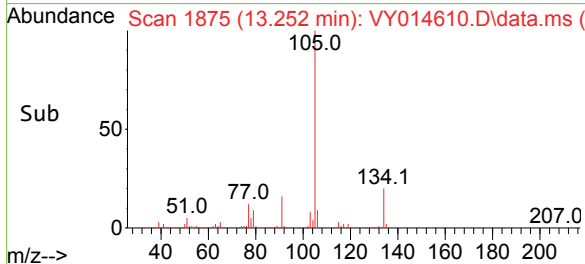
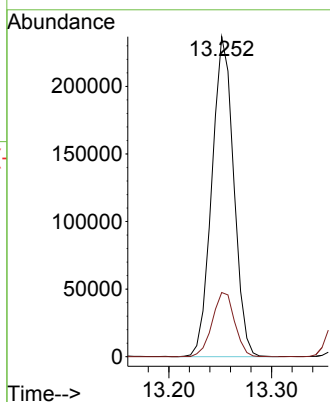
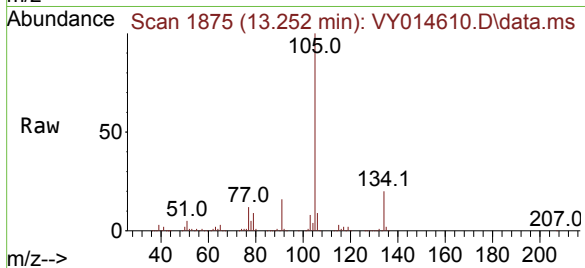
ClientSampleId :

Tgt Ion:105 Resp: 349454

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 19.848 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

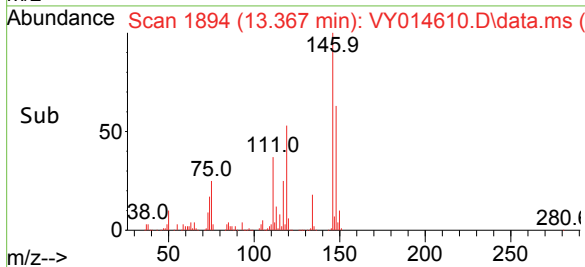
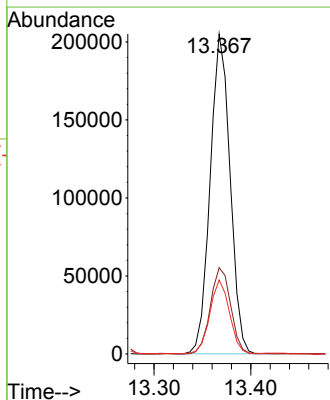
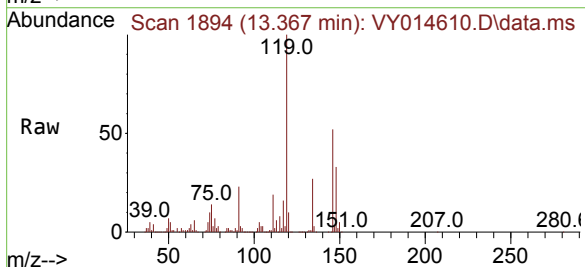
Tgt Ion:119 Resp: 292286

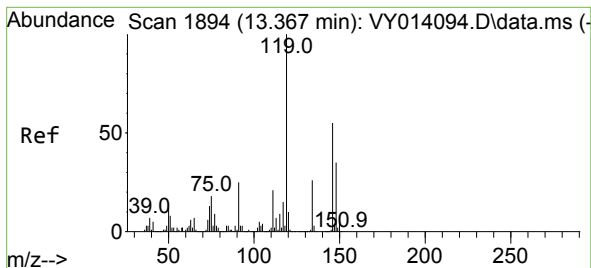
Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.8

91 22.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.463 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

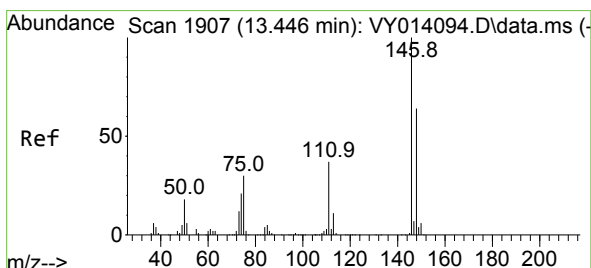
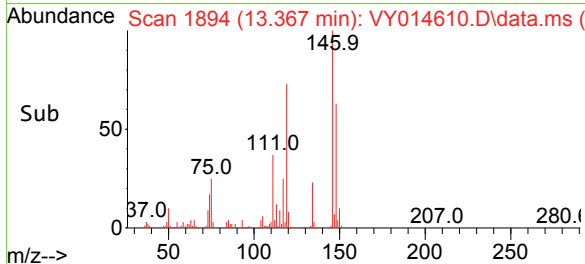
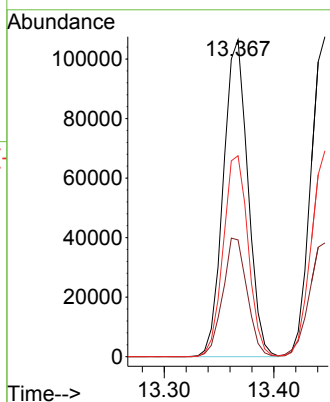
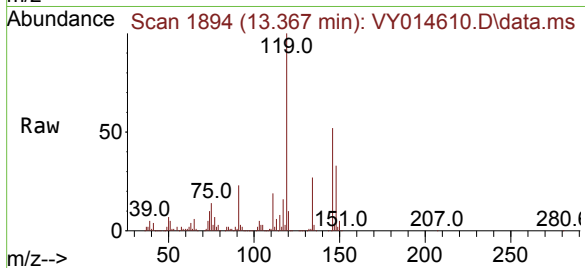
Tgt Ion:146 Resp: 165662

Ion Ratio Lower Upper

146 100

111 37.1 19.4 58.2

148 64.3 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 19.523 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

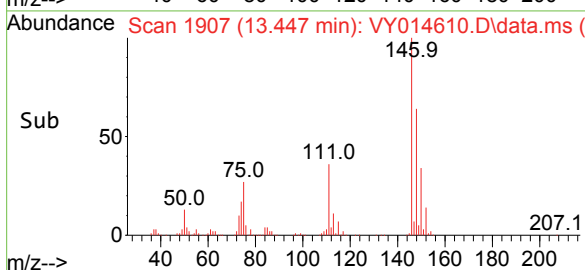
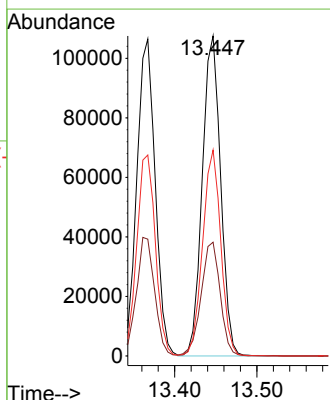
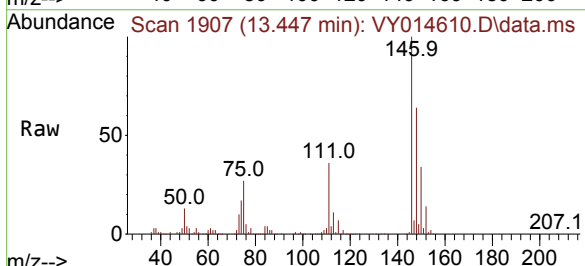
Tgt Ion:146 Resp: 166536

Ion Ratio Lower Upper

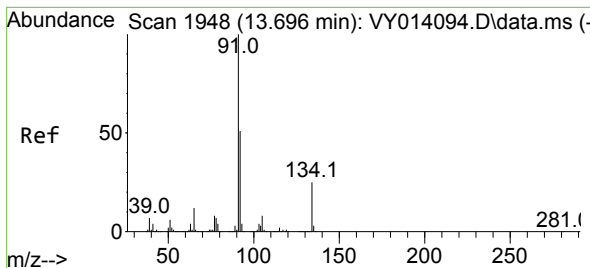
146 100

111 37.0 18.9 56.7

148 63.8 32.1 96.5







#89

n-Butylbenzene

Concen: 20.167 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.001 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

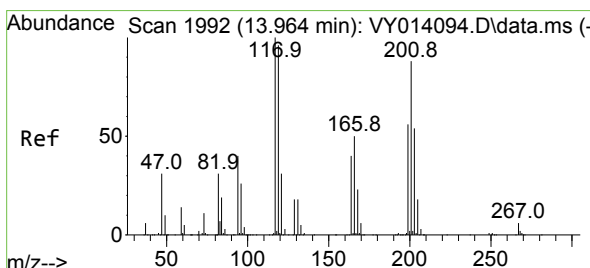
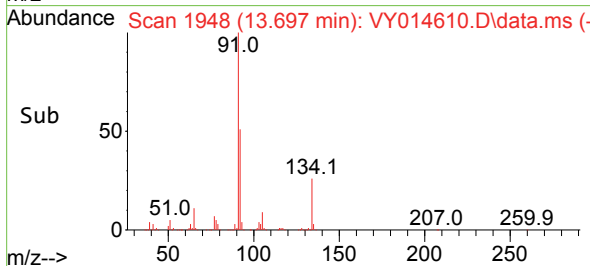
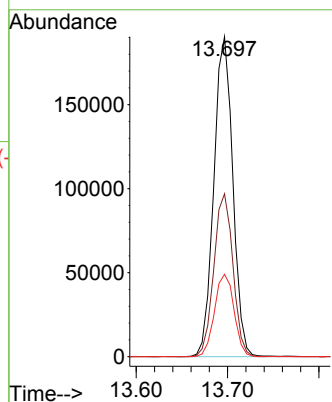
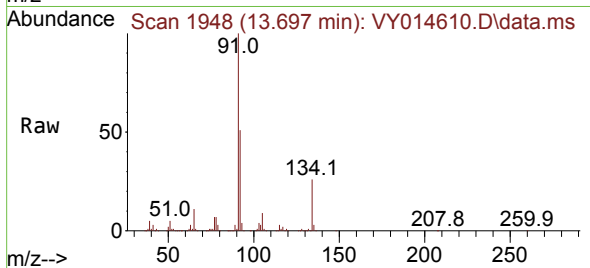
Tgt Ion: 91 Resp: 274458

Ion Ratio Lower Upper

91 100

92 51.3 25.4 76.0

134 26.6 12.6 37.6



#90

Hexachloroethane

Concen: 20.161 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.005 min

Lab File: VY014610.D

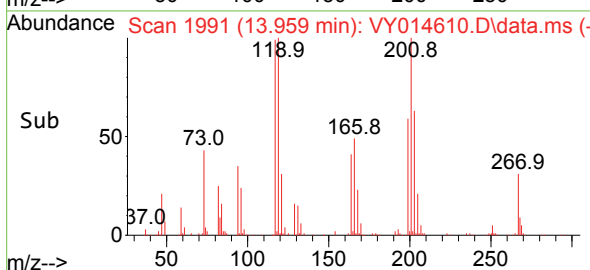
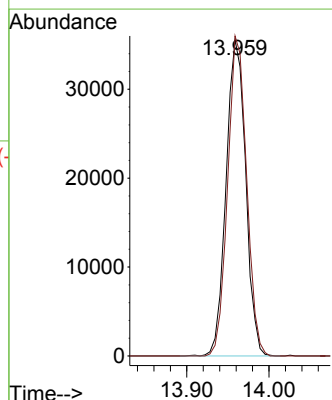
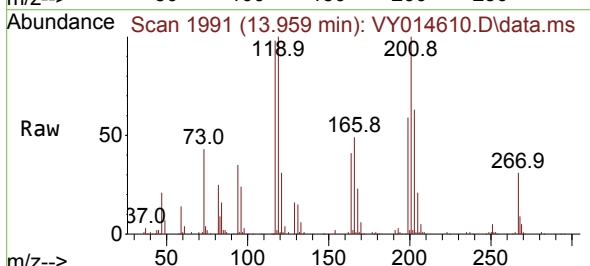
Acq: 10 Jul 2023 12:09

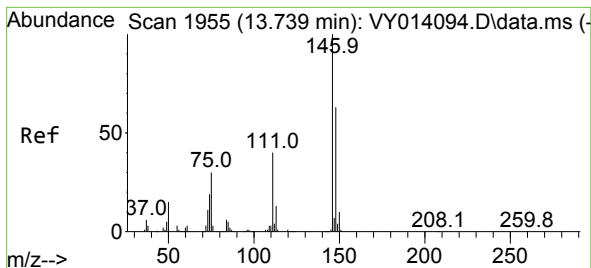
Tgt Ion: 117 Resp: 58812

Ion Ratio Lower Upper

117 100

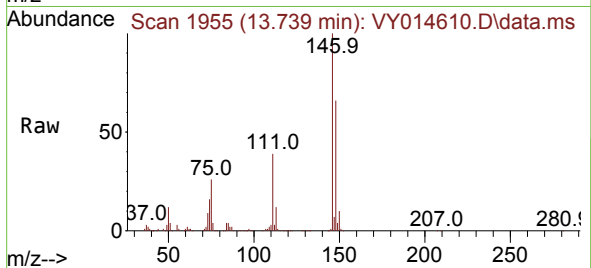
201 97.8 41.6 124.8



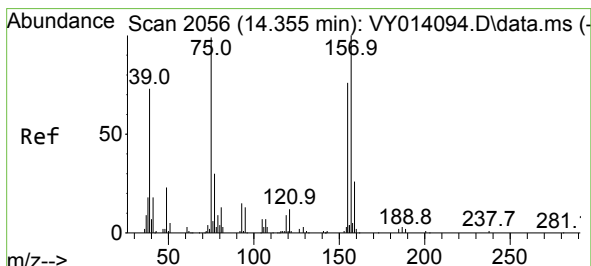
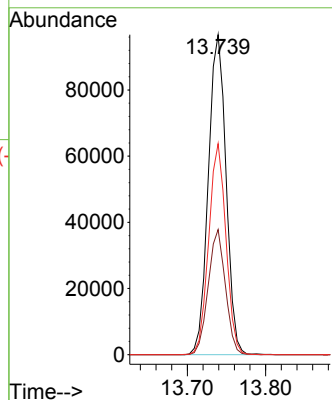
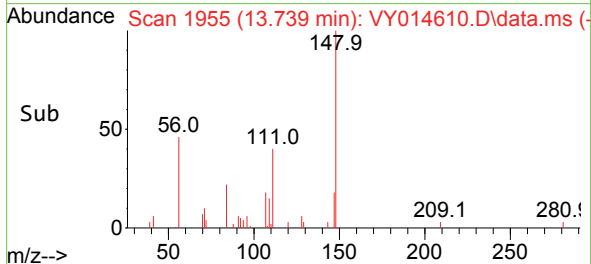


#91  
 1,2-Dichlorobenzene  
 Concen: 19.670 ug/l  
 RT: 13.739 min Scan# 1955  
 Delta R.T. 0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09

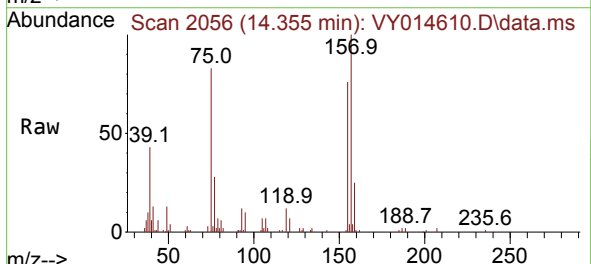
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



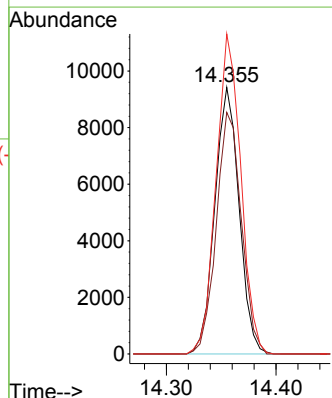
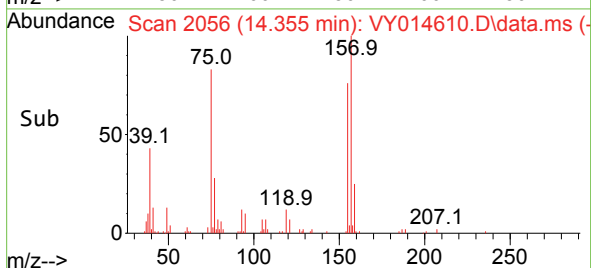
Tgt Ion:146 Resp: 151656  
 Ion Ratio Lower Upper  
 146 100  
 111 38.0 19.7 59.0  
 148 64.2 32.0 96.2

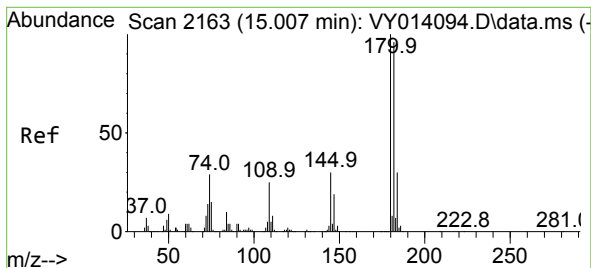


#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 19.378 ug/l  
 RT: 14.355 min Scan# 2056  
 Delta R.T. -0.000 min  
 Lab File: VY014610.D  
 Acq: 10 Jul 2023 12:09



Tgt Ion: 75 Resp: 14511  
 Ion Ratio Lower Upper  
 75 100  
 155 93.7 41.5 124.6  
 157 122.1 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 19.994 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

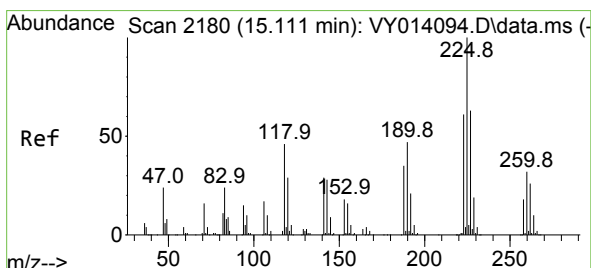
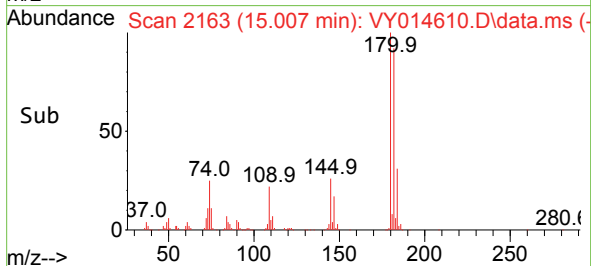
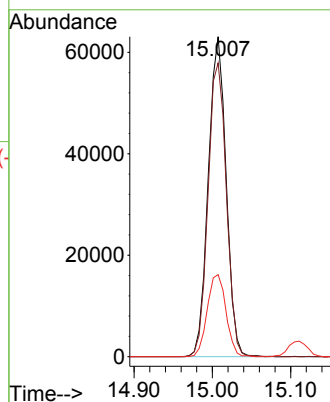
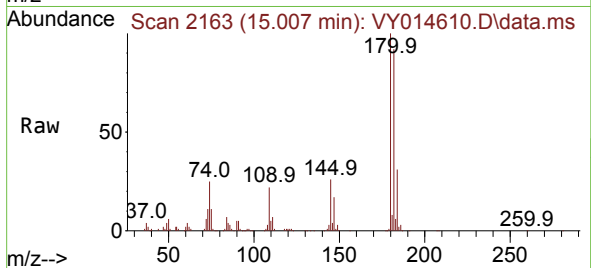
Tgt Ion:180 Resp: 99568

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.2

145 27.0 14.5 43.5



#94

Hexachlorobutadiene

Concen: 21.460 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

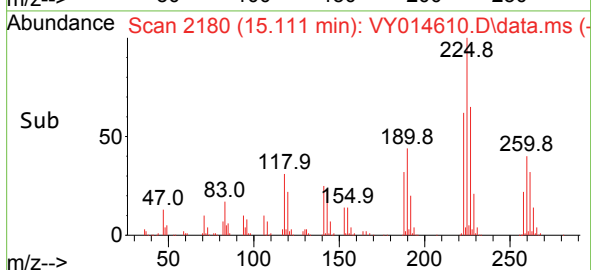
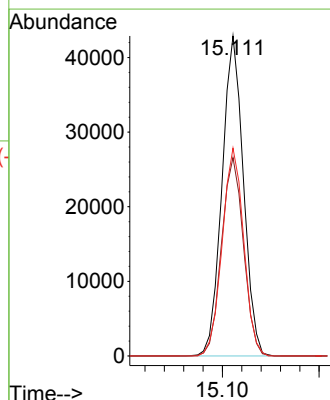
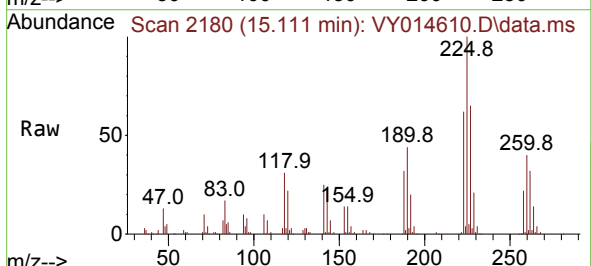
Tgt Ion:225 Resp: 65683

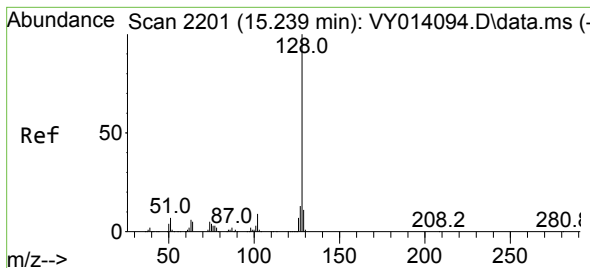
Ion Ratio Lower Upper

225 100

223 63.6 31.9 95.9

227 65.3 33.0 98.9





#95

Naphthalene

Concen: 18.297 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Instrument :

MSVOA\_Y

ClientSampleId :

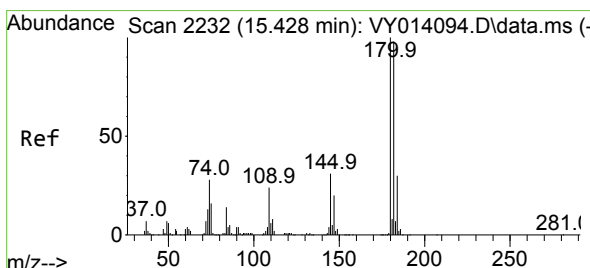
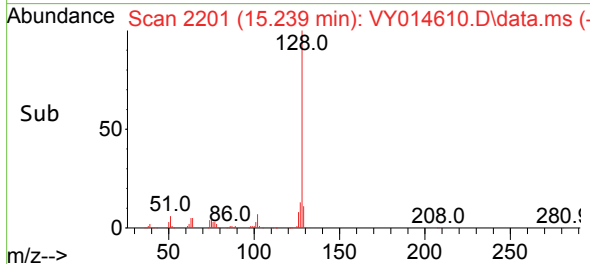
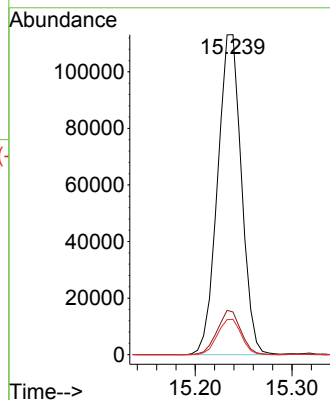
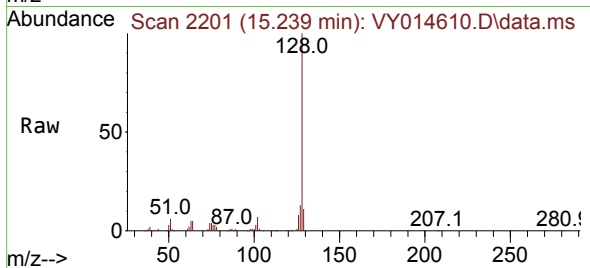
Tgt Ion:128 Resp: 193853

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 11.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 19.797 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY014610.D

Acq: 10 Jul 2023 12:09

Tgt Ion:180 Resp: 89827

Ion Ratio Lower Upper

180 100

182 97.0 47.3 141.8

145 29.5 15.4 46.2

