

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092923\  
 Data File : VY015772.D  
 Acq On : 29 Sep 2023 22:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 30 01:21:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 182365   | 50.000 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 8.703  | 114  | 310972   | 50.000 | ug/l  | 0.02     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 289580   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 145868   | 50.000 | ug/l  | 0.01     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 95462    | 47.576   | ug/l | 0.02    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.160% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 84897    | 45.612   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 91.220% |
| 50) Toluene-d8              | 10.191 | 98    | 294973   | 46.740   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.480% |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 113814   | 45.955   | ug/l | 0.01    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 91.920% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.912 | 85  | 51606  | 42.930  | ug/l   | 98  |
| 3) Chloromethane             | 2.119 | 50  | 64948  | 42.827  | ug/l   | 97  |
| 4) Vinyl Chloride            | 2.253 | 62  | 79528  | 45.866  | ug/l   | 98  |
| 5) Bromomethane              | 2.656 | 94  | 57871  | 38.322  | ug/l   | 96  |
| 6) Chloroethane              | 2.796 | 64  | 57446  | 44.698  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.131 | 101 | 131665 | 45.278  | ug/l   | 99  |
| 8) Diethyl Ether             | 3.540 | 74  | 58938  | 47.528  | ug/l   | 89  |
| 9) 1,1,2-Trichlorotrifluo... | 3.912 | 101 | 82716  | 45.430  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.101 | 142 | 89489  | 42.245  | ug/l   | 97  |
| 11) Tert butyl alcohol       | 5.021 | 59  | 115542 | 280.212 | ug/l # | 81  |
| 12) 1,1-Dichloroethene       | 3.881 | 96  | 71212  | 44.386  | ug/l   | 93  |
| 13) Acrolein                 | 3.747 | 56  | 67911  | 220.996 | ug/l   | 99  |
| 14) Allyl chloride           | 4.491 | 41  | 131567 | 44.851  | ug/l   | 95  |
| 15) Acrylonitrile            | 5.186 | 53  | 239246 | 262.995 | ug/l   | 99  |
| 16) Acetone                  | 3.979 | 43  | 237200 | 220.897 | ug/l   | 91  |
| 17) Carbon Disulfide         | 4.204 | 76  | 127492 | 40.905  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.497 | 43  | 226983 | 63.001  | ug/l   | 93  |
| 19) Methyl tert-butyl Ether  | 5.241 | 73  | 326118 | 49.908  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.729 | 84  | 109748 | 46.312  | ug/l   | 91  |
| 21) trans-1,2-Dichloroethene | 5.235 | 96  | 83853  | 45.726  | ug/l   | 96  |
| 22) Diisopropyl ether        | 6.137 | 45  | 329697 | 46.703  | ug/l   | 94  |
| 23) Vinyl Acetate            | 6.076 | 43  | 948250 | 217.620 | ug/l   | 95  |
| 24) 1,1-Dichloroethane       | 6.033 | 63  | 176220 | 45.797  | ug/l   | 97  |
| 25) 2-Butanone               | 7.009 | 43  | 363400 | 239.428 | ug/l   | 96  |
| 26) 2,2-Dichloropropane      | 6.996 | 77  | 139038 | 39.534  | ug/l   | 97  |
| 27) cis-1,2-Dichloroethene   | 7.003 | 96  | 112733 | 46.306  | ug/l   | 93  |
| 28) Bromochloromethane       | 7.350 | 49  | 40913  | 39.190  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 7.368 | 42  | 236775 | 276.005 | ug/l   | 92  |
| 30) Chloroform               | 7.521 | 83  | 195311 | 47.397  | ug/l   | 96  |
| 31) Cyclohexane              | 7.795 | 56  | 113853 | 40.960  | ug/l   | 92  |
| 32) 1,1,1-Trichloroethane    | 7.716 | 97  | 161798 | 47.563  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.929 | 75  | 121681 | 44.215  | ug/l   | 100 |
| 37) Ethyl Acetate            | 7.094 | 43  | 144768 | 52.738  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 7.911 | 117 | 136695 | 45.759  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.191 | 83  | 133335 | 43.804  | ug/l   | 94  |
| 40) Benzene                  | 8.173 | 78  | 381534 | 45.461  | ug/l   | 98  |

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 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 30 01:21:41 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091923S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 20 01:39:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.320  | 41   | 60149    | 40.695   | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.246  | 62   | 138957   | 48.345   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.283  | 43   | 238321   | 50.825   | ug/l   | 99       |
| 44) Trichloroethene           | 8.947  | 130  | 112349   | 47.930   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.228  | 63   | 107607   | 45.978   | ug/l   | 96       |
| 46) Dibromomethane            | 9.319  | 93   | 73130    | 48.848   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.508  | 83   | 160205   | 48.009   | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.301  | 41   | 107041   | 52.007   | ug/l   | 91       |
| 49) 1,4-Dioxane               | 9.344  | 88   | 36595    | 1237.306 | ug/l # | 55       |
| 51) 4-Methyl-2-Pentanone      | 10.081 | 43   | 789477   | 271.639  | ug/l   | 93       |
| 52) Toluene                   | 10.252 | 92   | 251246   | 46.436   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.471 | 75   | 169035   | 47.237   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.935  | 75   | 176445   | 45.807   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.654 | 97   | 106736   | 48.650   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.520 | 69   | 164729   | 50.949   | ug/l   | 89       |
| 57) 1,3-Dichloropropane       | 10.795 | 76   | 179678   | 48.836   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.789  | 63   | 213980   | 208.353  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.843 | 43   | 608513   | 272.902  | ug/l   | 91       |
| 60) Dibromochloromethane      | 10.990 | 129  | 127054   | 49.610   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.099 | 107  | 106366   | 49.557   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.727 | 164  | 128105   | 51.562   | ug/l   | 96       |
| 65) Chlorobenzene             | 11.526 | 112  | 287661   | 45.509   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.599 | 131  | 116660   | 47.513   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.599 | 91   | 503528   | 45.576   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.709 | 106  | 385888   | 91.893   | ug/l   | 96       |
| 69) o-Xylene                  | 12.038 | 106  | 190598   | 46.287   | ug/l   | 100      |
| 70) Styrene                   | 12.050 | 104  | 334845   | 47.507   | ug/l   | 98       |
| 71) Bromoform                 | 12.215 | 173  | 93117    | 52.335   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.337 | 105  | 508683   | 46.487   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.148 | 43   | 205108   | 49.871   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.587 | 83   | 150172   | 49.311   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.642 | 75   | 203797   | 87.576   | ug/l # | 100      |
| 77) Bromobenzene              | 12.617 | 156  | 127475   | 47.458   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.678 | 91   | 611861   | 46.026   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.764 | 91   | 355145   | 46.867   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.819 | 105  | 428280   | 46.751   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.386 | 75   | 51464    | 49.801   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 12.861 | 91   | 366679   | 46.353   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.081 | 119  | 383744   | 47.828   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.123 | 105  | 432947   | 47.234   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.258 | 105  | 564266   | 46.994   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.373 | 119  | 470944   | 46.954   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.373 | 146  | 250636   | 47.034   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.453 | 146  | 252243   | 47.330   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.703 | 91   | 437747   | 46.090   | ug/l   | 96       |
| 90) Hexachloroethane          | 13.965 | 117  | 91137    | 47.081   | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 13.745 | 146  | 238882   | 48.562   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.361 | 75   | 34728    | 57.416   | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.013 | 180  | 150245   | 48.516   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.117 | 225  | 76711    | 48.371   | ug/l   | 97       |
| 95) Naphthalene               | 15.239 | 128  | 495988   | 61.423   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 143201   | 50.100   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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Quant Title : SW846 8260  
QLast Update : Wed Sep 20 01:39:40 2023  
Response via : Initial Calibration

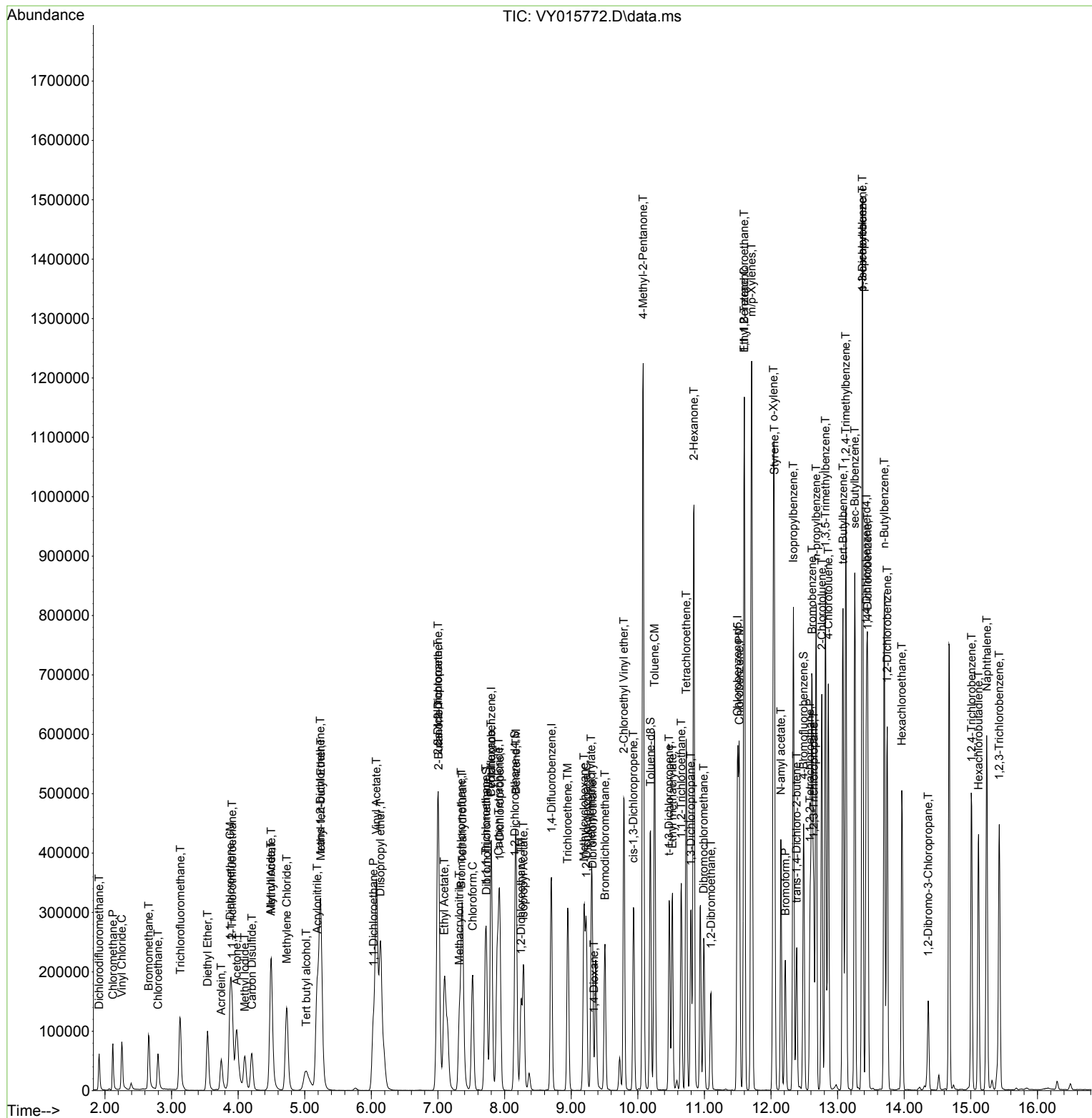
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

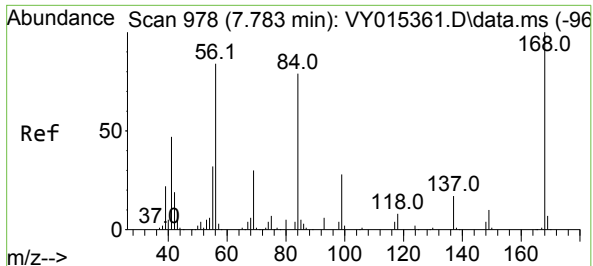
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 Sample : VSTDCCC050  
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 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
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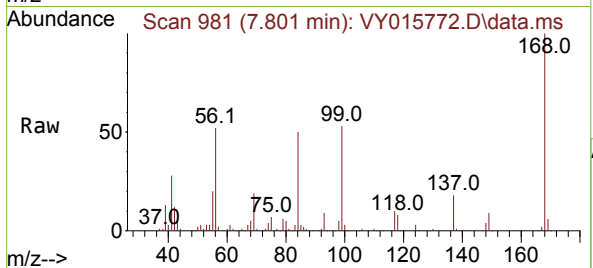
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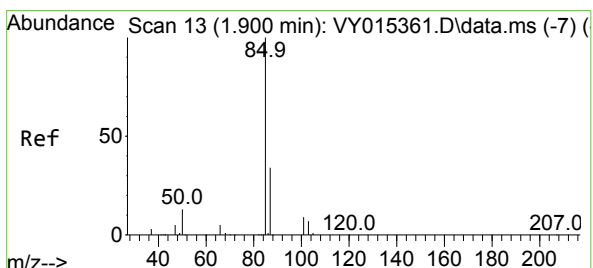
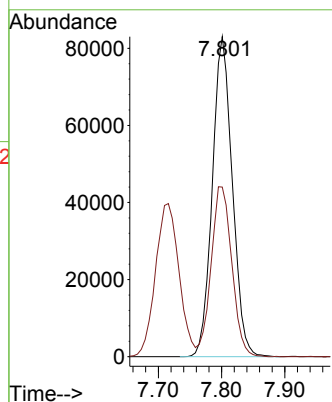
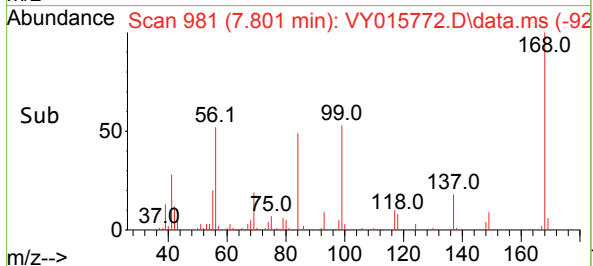


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

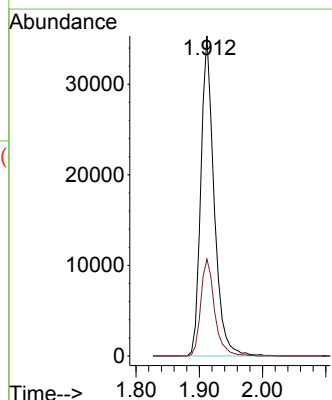
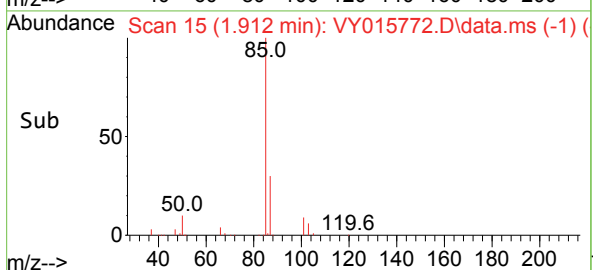
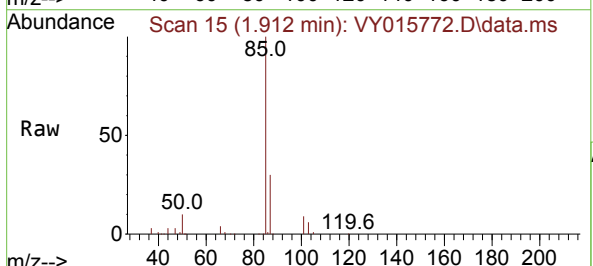


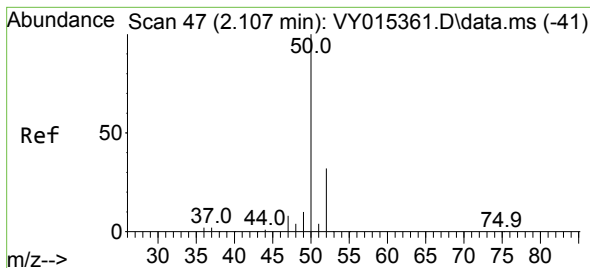
Tgt Ion:168 Resp: 182365  
Ion Ratio Lower Upper  
168 100  
99 53.0 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 42.930 ug/l  
RT: 1.912 min Scan# 15  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 85 Resp: 51606  
Ion Ratio Lower Upper  
85 100  
87 30.2 15.6 46.8





#3

Chloromethane

Concen: 42.827 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

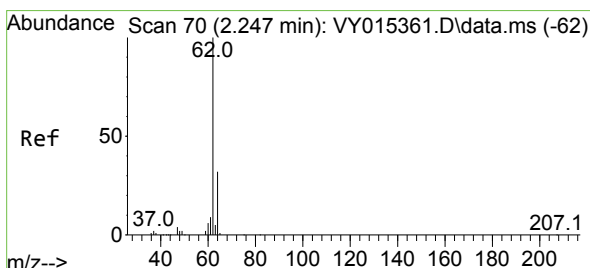
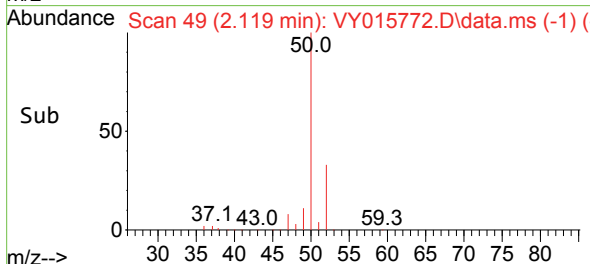
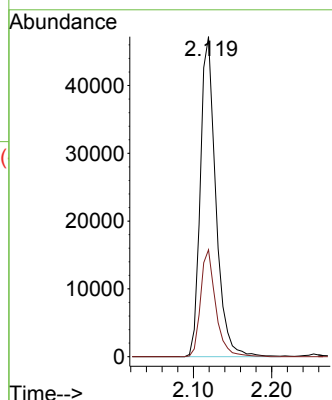
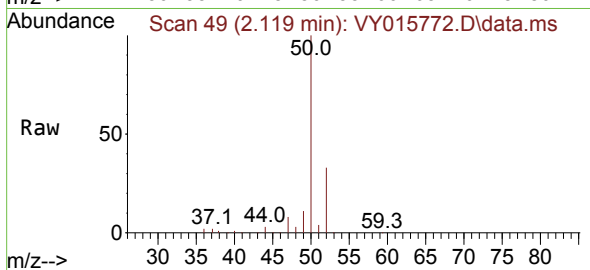
ClientSampleId :

Tgt Ion: 50 Resp: 64948

Ion Ratio Lower Upper

50 100

52 33.4 25.4 38.2



#4

Vinyl Chloride

Concen: 45.866 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.012 min

Lab File: VY015772.D

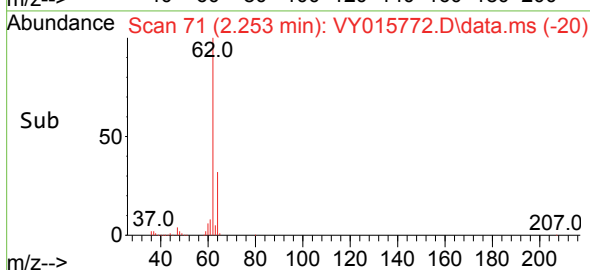
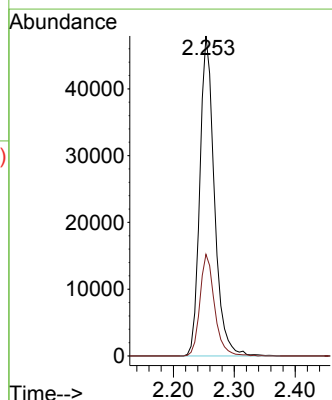
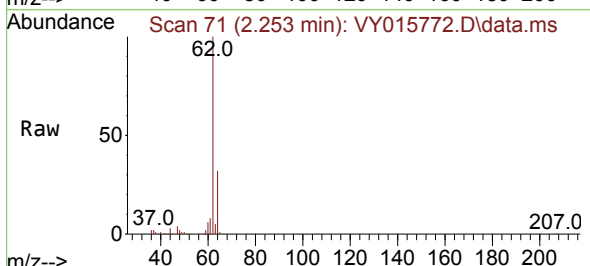
Acq: 29 Sep 2023 22:32

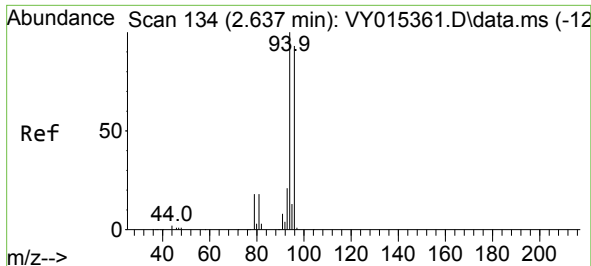
Tgt Ion: 62 Resp: 79528

Ion Ratio Lower Upper

62 100

64 31.7 24.3 36.5





#5

Bromomethane

Concen: 38.322 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

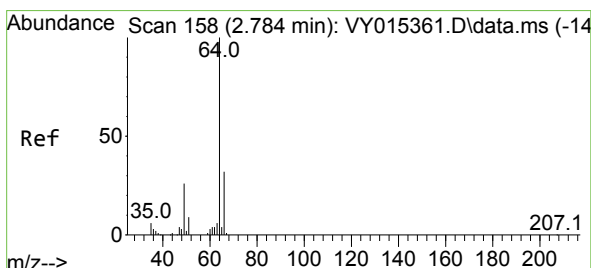
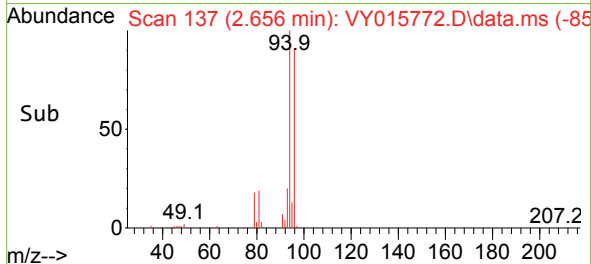
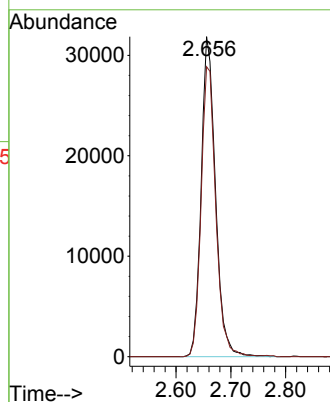
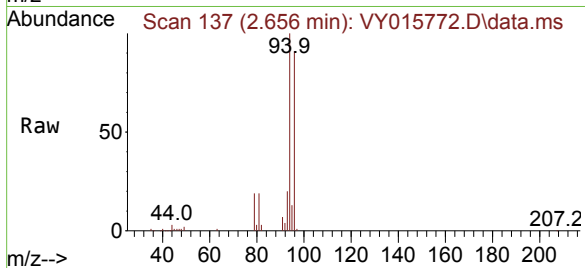
ClientSampleId :

Tgt Ion: 94 Resp: 57871

Ion Ratio Lower Upper

94 100

96 90.6 75.8 113.6



#6

Chloroethane

Concen: 44.698 ug/l

RT: 2.796 min Scan# 160

Delta R.T. 0.012 min

Lab File: VY015772.D

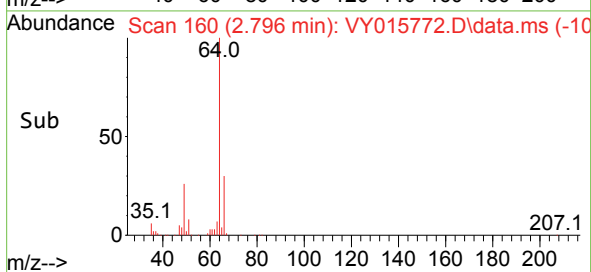
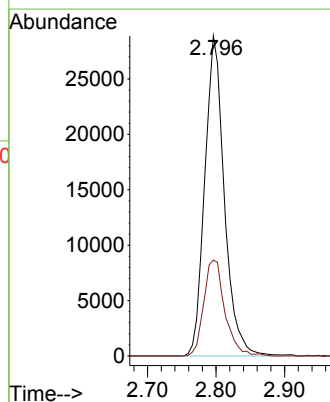
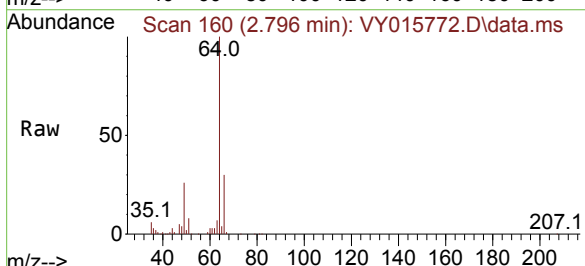
Acq: 29 Sep 2023 22:32

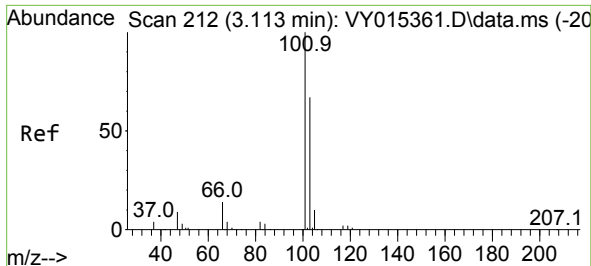
Tgt Ion: 64 Resp: 57446

Ion Ratio Lower Upper

64 100

66 30.0 24.4 36.6

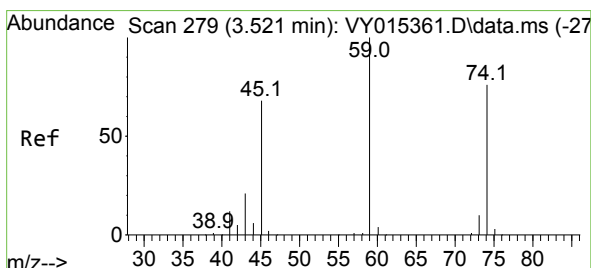
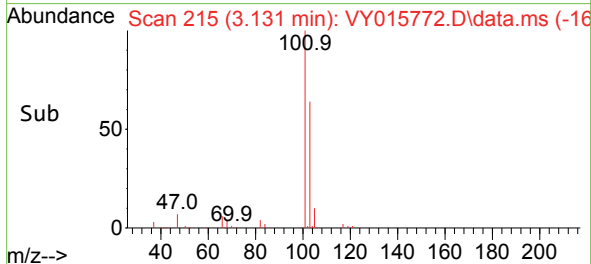
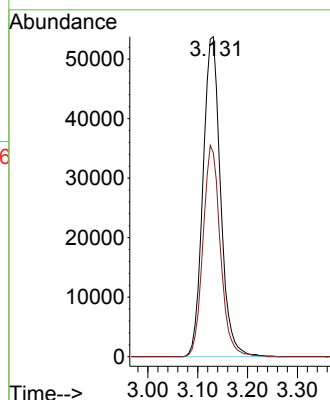
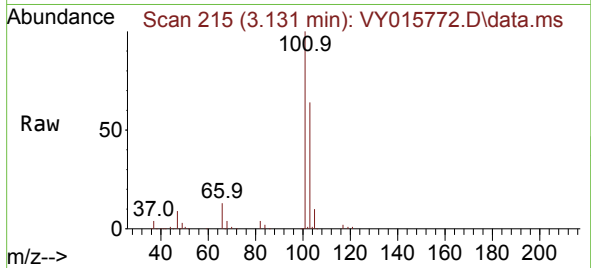




#7  
Trichlorofluoromethane  
Concen: 45.278 ug/l  
RT: 3.131 min Scan# 212  
Delta R.T. 0.018 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

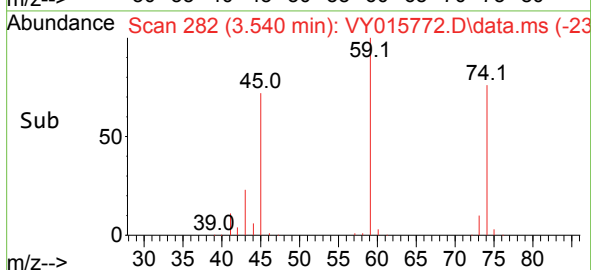
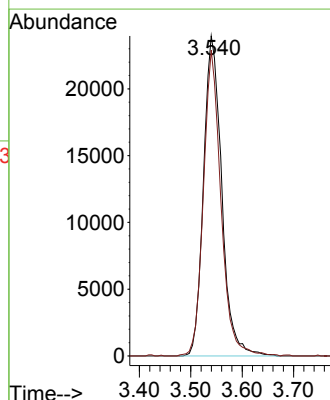
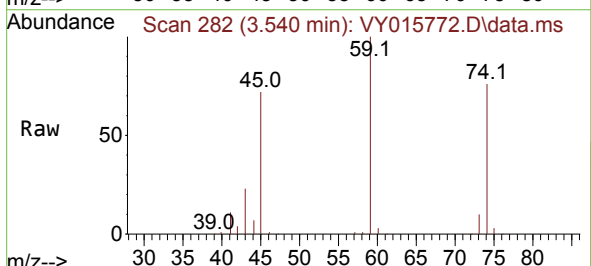
Instrument :  
MSVOA\_Y  
ClientSampleId :

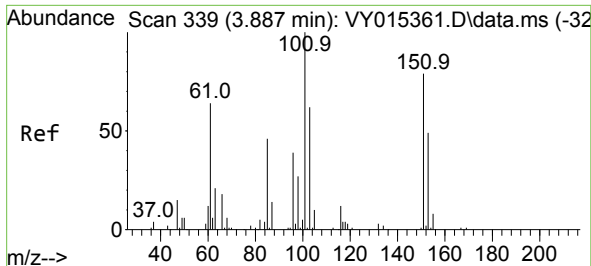
Tgt Ion:101 Resp: 131665  
Ion Ratio Lower Upper  
101 100  
103 63.7 51.4 77.0



#8  
Diethyl Ether  
Concen: 47.528 ug/l  
RT: 3.540 min Scan# 282  
Delta R.T. 0.019 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 74 Resp: 58938  
Ion Ratio Lower Upper  
74 100  
45 92.1 51.5 154.5

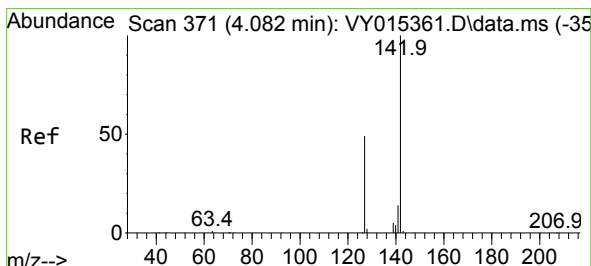
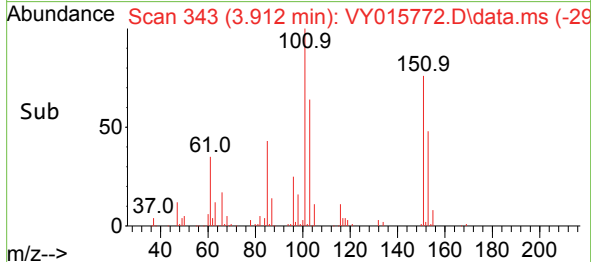
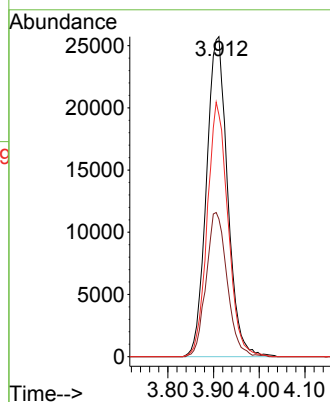
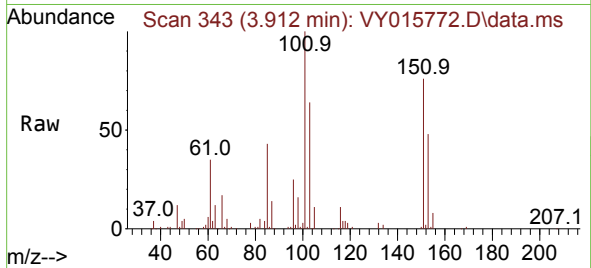




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.430 ug/l  
RT: 3.912 min Scan# 341  
Delta R.T. 0.019 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

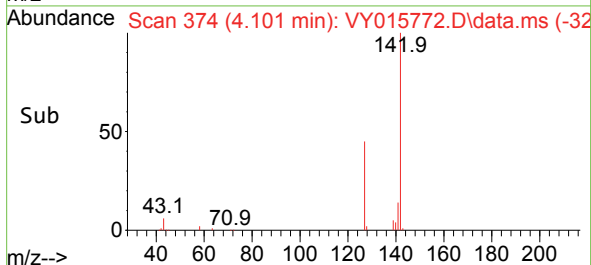
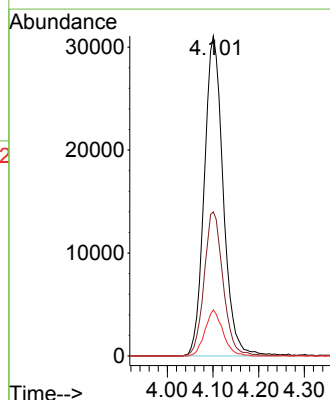
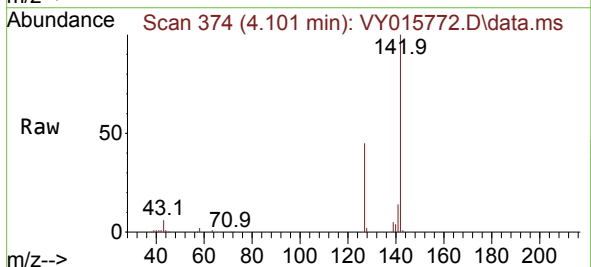
Instrument :  
MSVOA\_Y  
ClientSampleId :

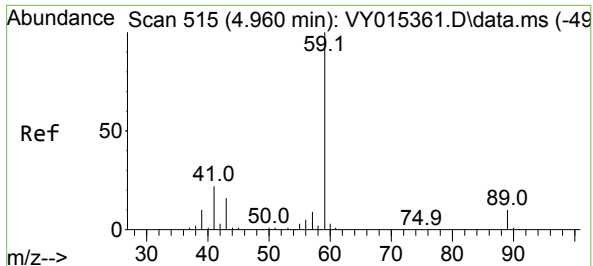
Tgt Ion:101 Resp: 82716  
Ion Ratio Lower Upper  
101 100  
85 44.9 36.6 55.0  
151 77.7 67.0 100.6



#10  
Methyl Iodide  
Concen: 42.245 ug/l  
RT: 4.101 min Scan# 374  
Delta R.T. 0.019 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion:142 Resp: 89489  
Ion Ratio Lower Upper  
142 100  
127 45.0 37.6 56.4  
141 13.7 11.8 17.8





#11

Tert butyl alcohol

Concen: 280.212 ug/l

RT: 5.021 min Scan# 51

Delta R.T. 0.067 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

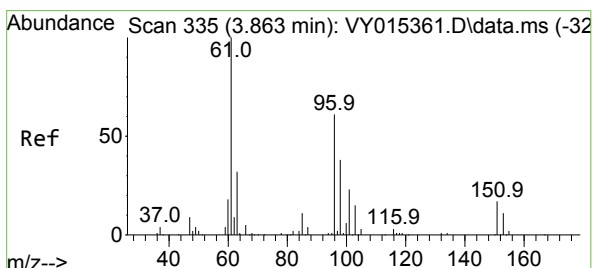
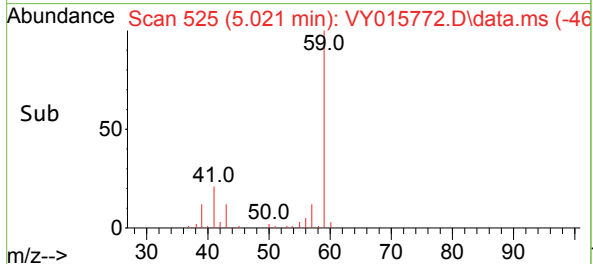
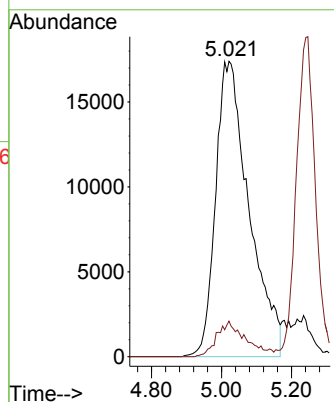
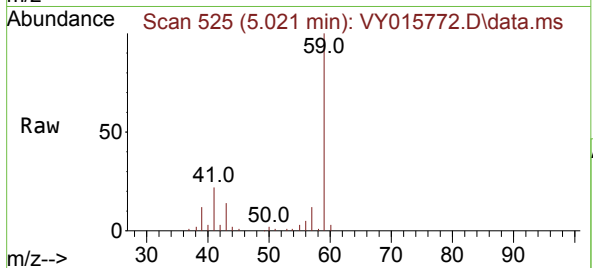
ClientSampleId :

Tgt Ion: 59 Resp: 115542

Ion Ratio Lower Upper

59 100

57 10.1 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 44.386 ug/l

RT: 3.881 min Scan# 338

Delta R.T. 0.018 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

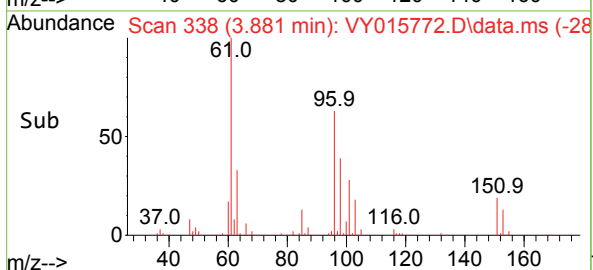
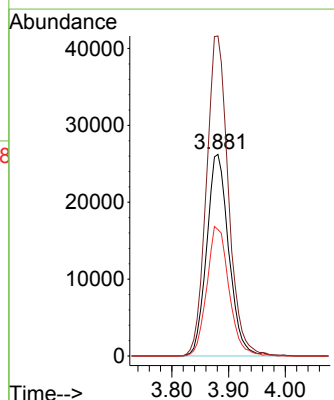
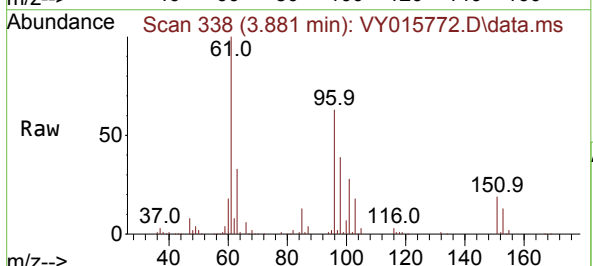
Tgt Ion: 96 Resp: 71212

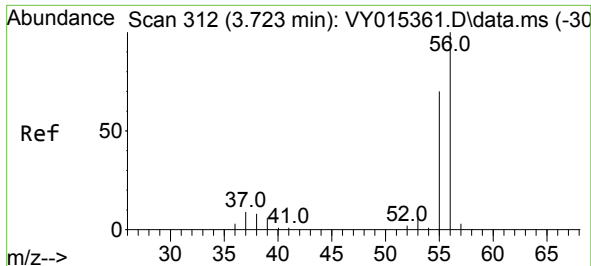
Ion Ratio Lower Upper

96 100

61 158.7 136.4 204.6

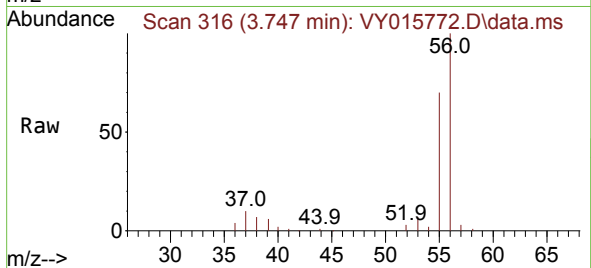
98 62.7 49.4 74.2



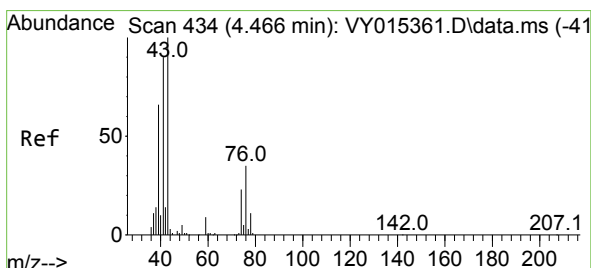
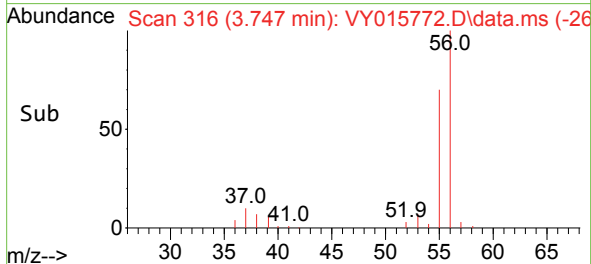
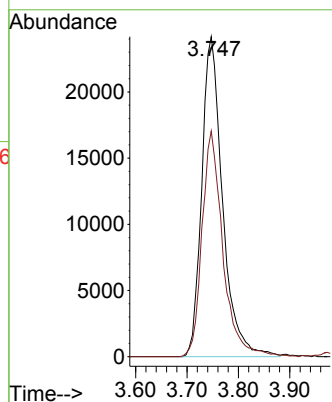


#13  
Acrolein  
Concen: 220.996 ug/l  
RT: 3.747 min Scan# 312  
Delta R.T. 0.024 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

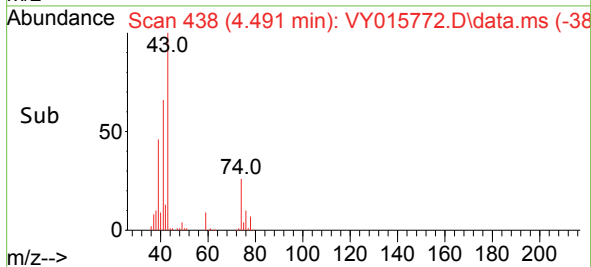
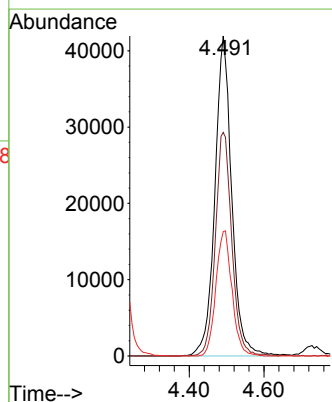
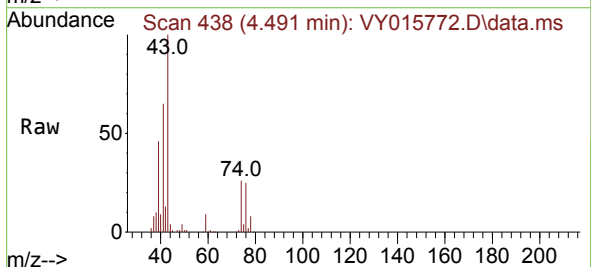


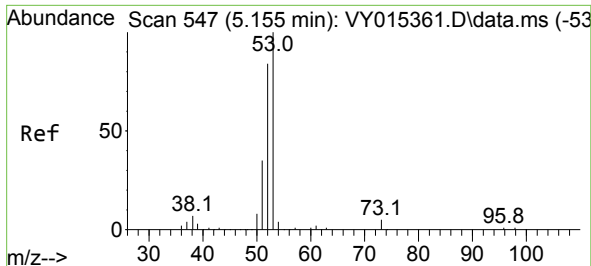
Tgt Ion: 56 Resp: 67911  
Ion Ratio Lower Upper  
56 100  
55 70.6 57.0 85.4



#14  
Allyl chloride  
Concen: 44.851 ug/l  
RT: 4.491 min Scan# 438  
Delta R.T. 0.019 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

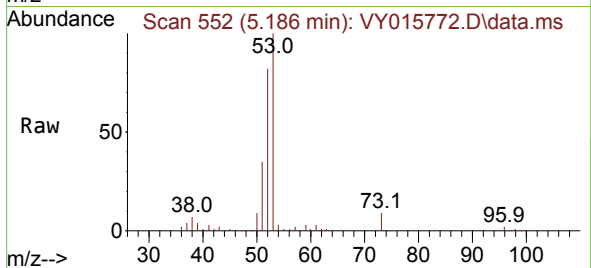
Tgt Ion: 41 Resp: 131567  
Ion Ratio Lower Upper  
41 100  
39 68.0 58.0 87.0  
76 37.3 27.4 41.2



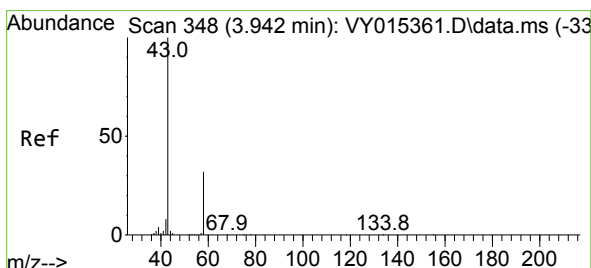
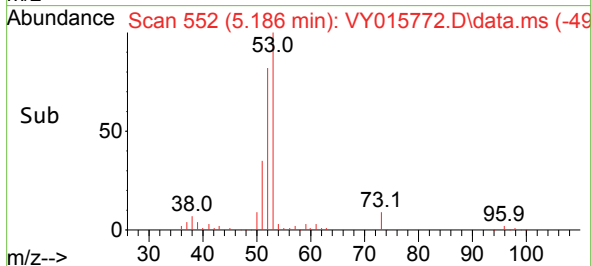
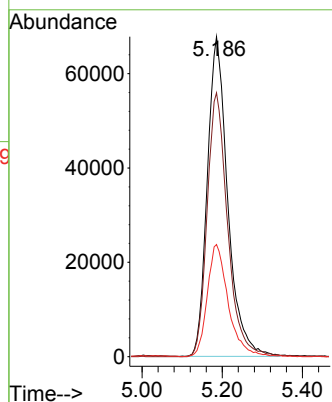


#15  
Acrylonitrile  
Concen: 262.995 ug/l  
RT: 5.186 min Scan# 51  
Delta R.T. 0.025 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

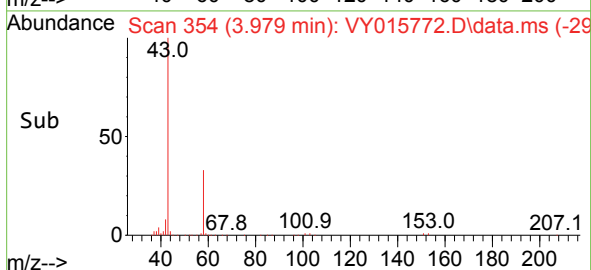
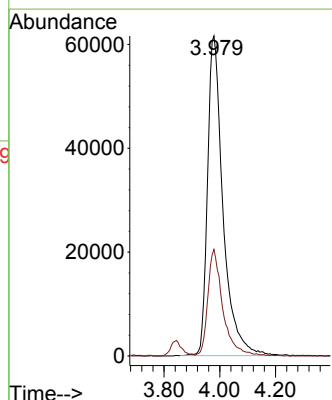
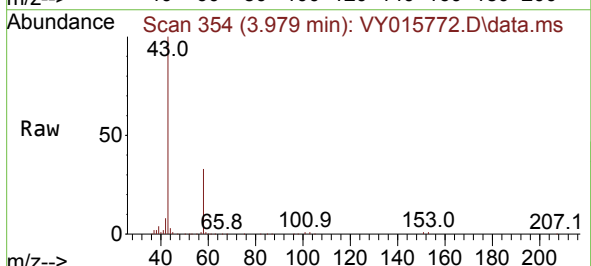


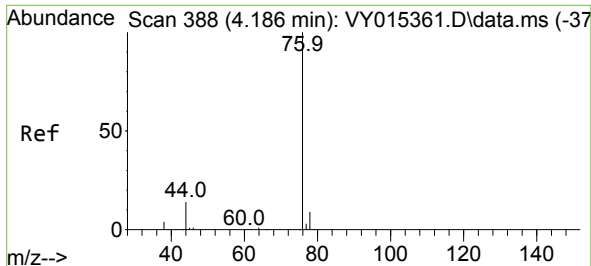
Tgt Ion: 53 Resp: 239246  
Ion Ratio Lower Upper  
53 100  
52 83.2 66.9 100.3  
51 36.4 29.8 44.6



#16  
Acetone  
Concen: 220.897 ug/l  
RT: 3.979 min Scan# 354  
Delta R.T. 0.037 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 43 Resp: 237200  
Ion Ratio Lower Upper  
43 100  
58 33.2 22.7 34.1





#17

Carbon Disulfide

Concen: 40.905 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

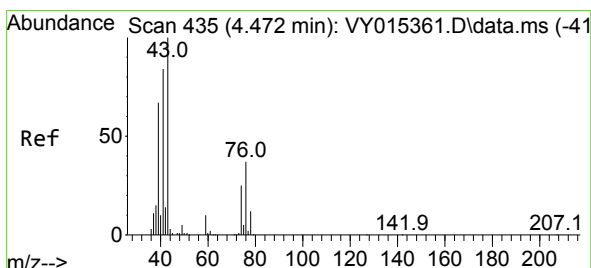
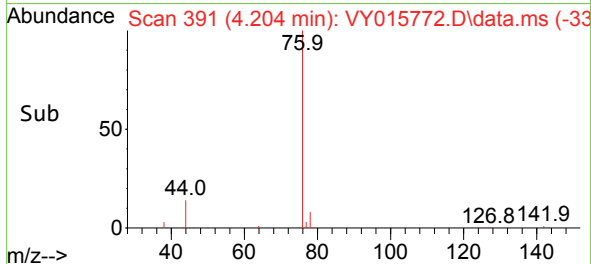
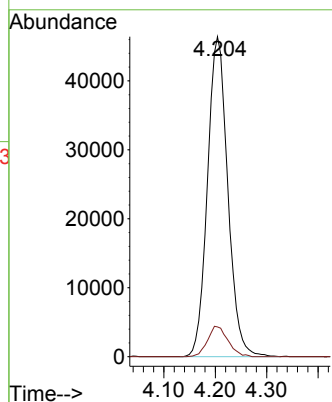
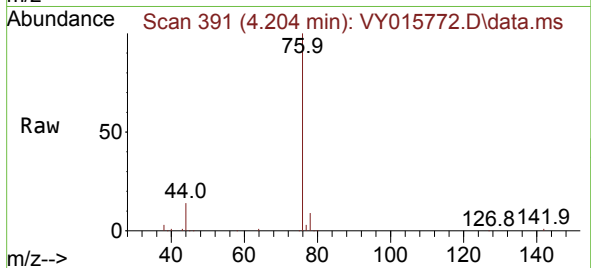
ClientSampleId :

Tgt Ion: 76 Resp: 127492

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



#18

Methyl Acetate

Concen: 63.001 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.025 min

Lab File: VY015772.D

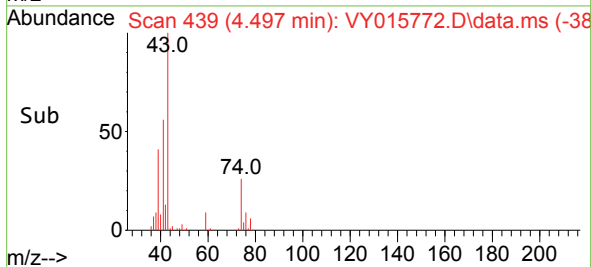
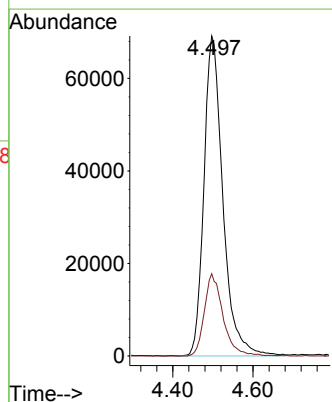
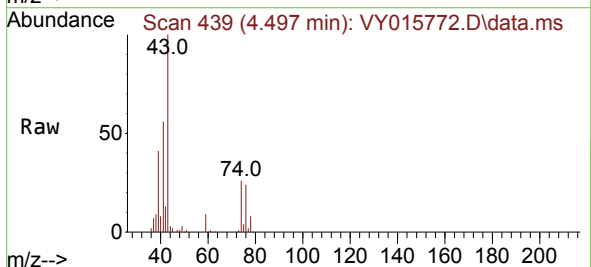
Acq: 29 Sep 2023 22:32

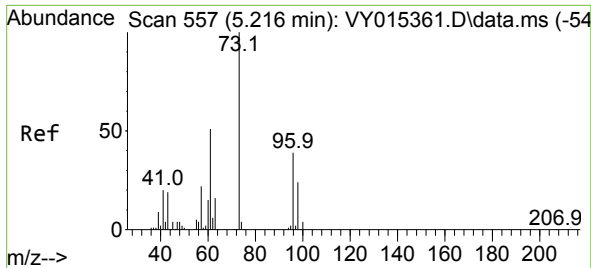
Tgt Ion: 43 Resp: 226983

Ion Ratio Lower Upper

43 100

74 25.2 17.4 26.0

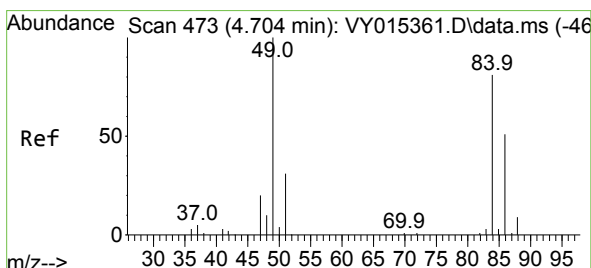
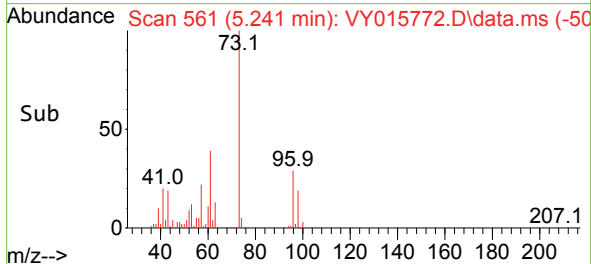
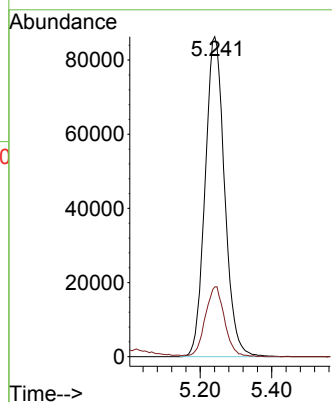
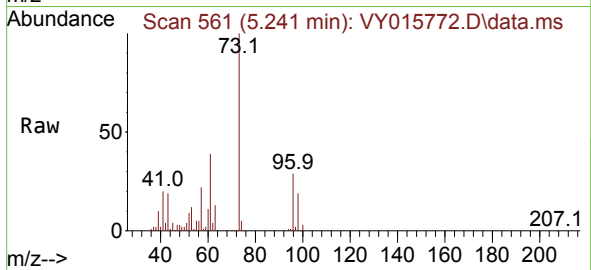




#19  
Methyl tert-butyl Ether  
Concen: 49.908 ug/l  
RT: 5.241 min Scan# 50  
Delta R.T. 0.031 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

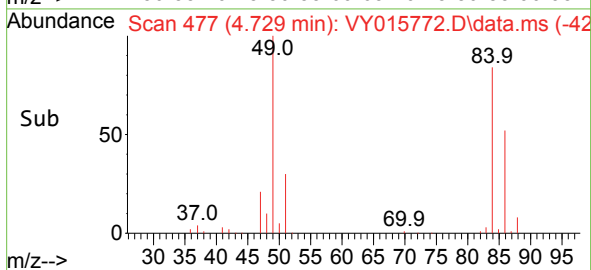
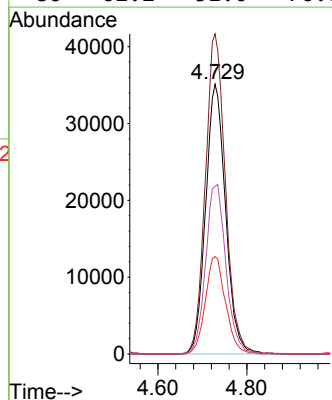
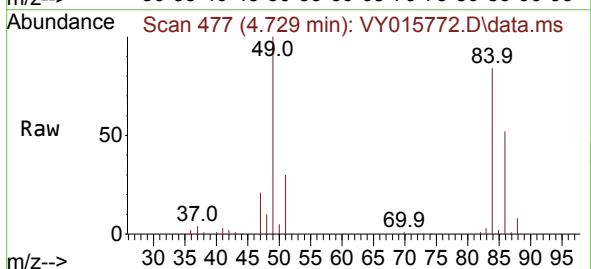
Instrument :  
MSVOA\_Y  
ClientSampleId :

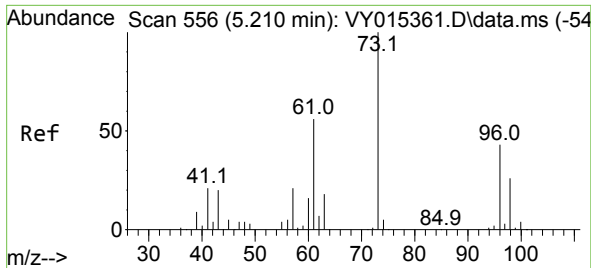
Tgt Ion: 73 Resp: 326118  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.3 25.9



#20  
Methylene Chloride  
Concen: 46.312 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. 0.025 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 84 Resp: 109748  
Ion Ratio Lower Upper  
84 100  
49 118.6 106.9 160.3  
51 36.1 33.2 49.8  
86 62.2 51.0 76.6

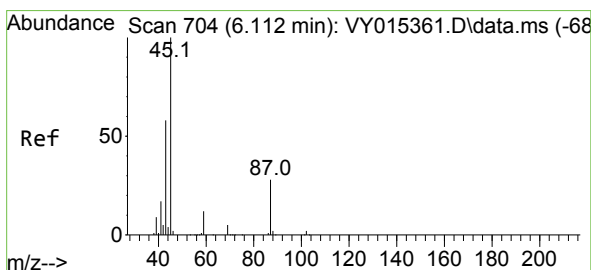
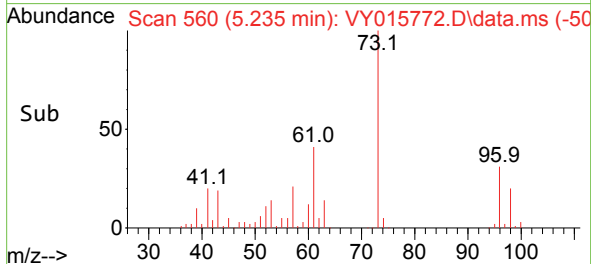
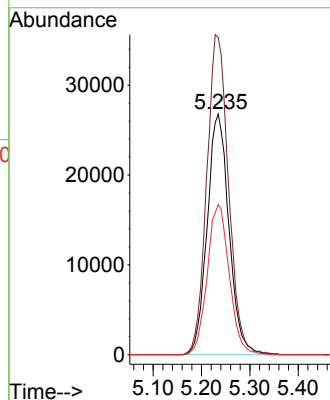
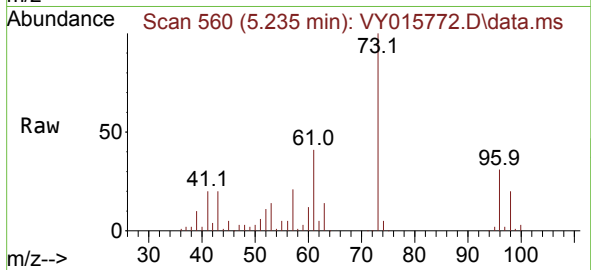




#21  
trans-1,2-Dichloroethene  
Concen: 45.726 ug/l  
RT: 5.235 min Scan# 501  
Delta R.T. 0.025 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

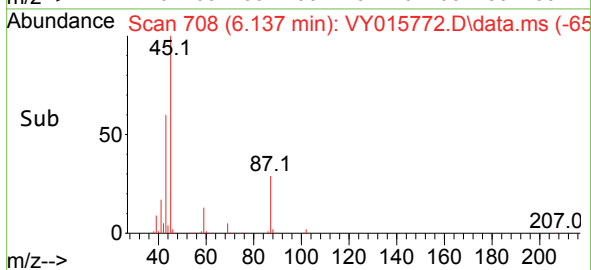
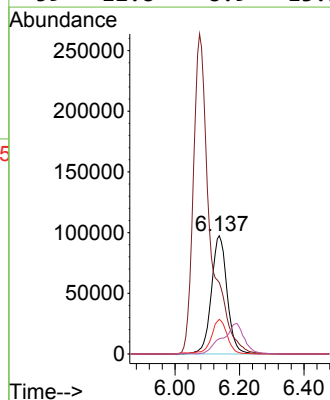
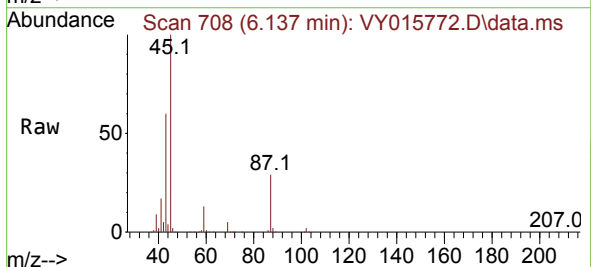
Instrument :  
MSVOA\_Y  
ClientSampleId :

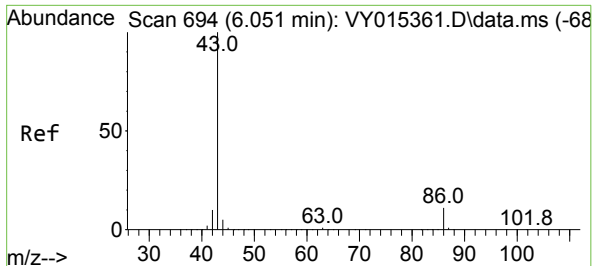
Tgt Ion: 96 Resp: 83853  
Ion Ratio Lower Upper  
96 100  
61 131.7 110.2 165.4  
98 62.3 51.8 77.6



#22  
Diisopropyl ether  
Concen: 46.703 ug/l  
RT: 6.137 min Scan# 708  
Delta R.T. 0.025 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 45 Resp: 329697  
Ion Ratio Lower Upper  
45 100  
43 60.3 52.2 78.4  
87 29.2 21.0 31.6  
59 12.8 8.9 13.3

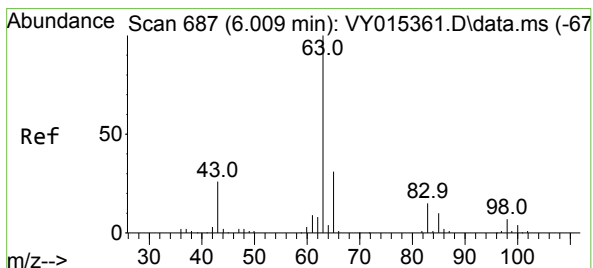
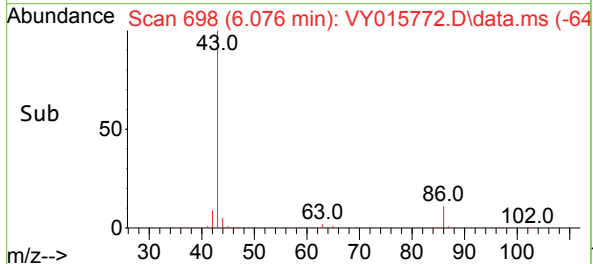
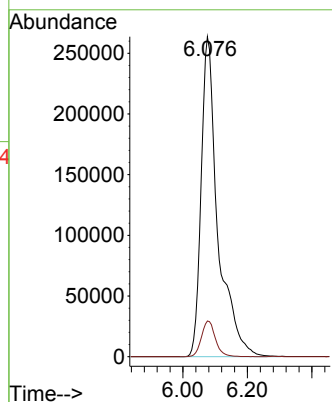
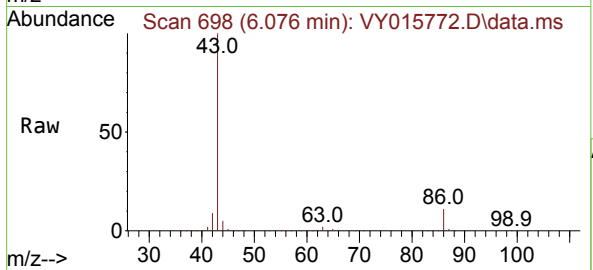




#23  
 Vinyl Acetate  
 Concen: 217.620 ug/l  
 RT: 6.076 min Scan# 694  
 Delta R.T. 0.025 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

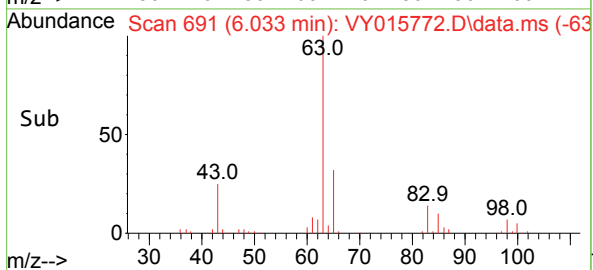
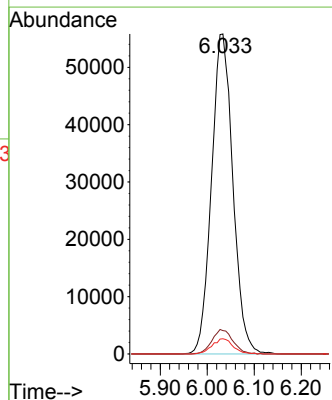
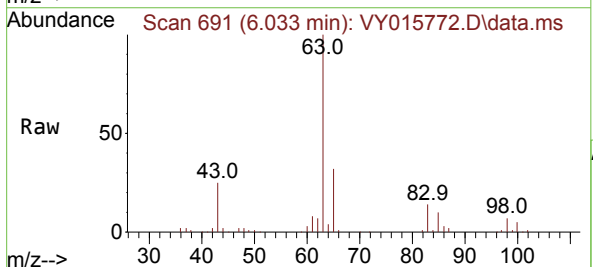
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

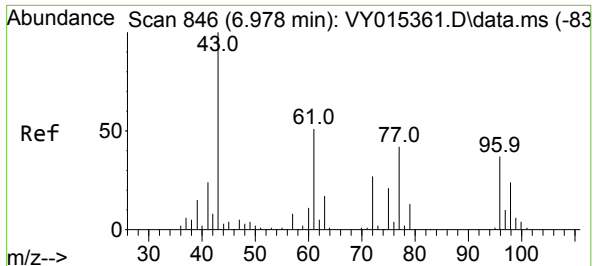
Tgt Ion: 43 Resp: 948250  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 7.5 11.3



#24  
 1,1-Dichloroethane  
 Concen: 45.797 ug/l  
 RT: 6.033 min Scan# 691  
 Delta R.T. 0.030 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

Tgt Ion: 63 Resp: 176220  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.1 9.4  
 100 4.8 1.8 5.5





#25

2-Butanone

Concen: 239.428 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.031 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

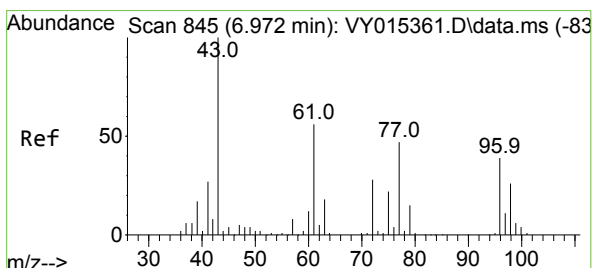
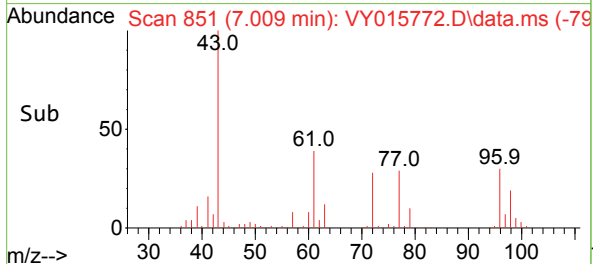
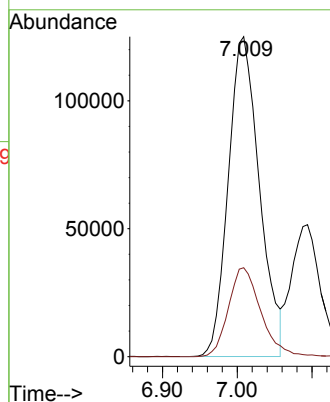
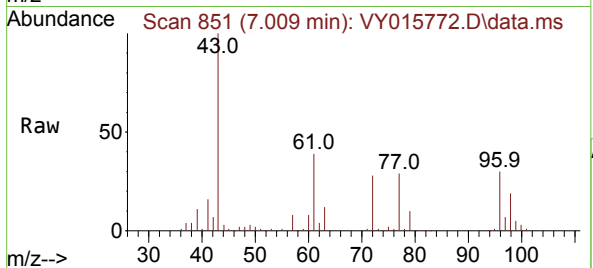
ClientSampleId :

Tgt Ion: 43 Resp: 363400

Ion Ratio Lower Upper

43 100

72 27.8 20.5 30.7



#26

2,2-Dichloropropane

Concen: 39.534 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.024 min

Lab File: VY015772.D

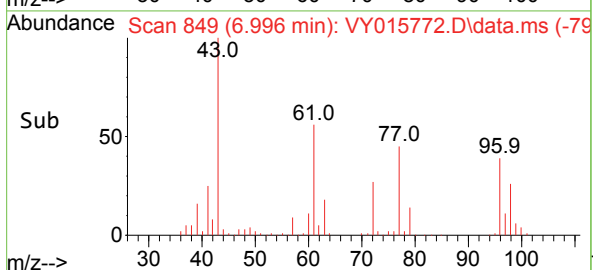
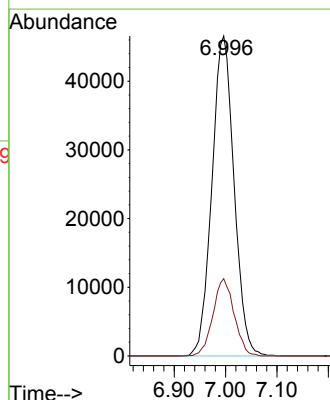
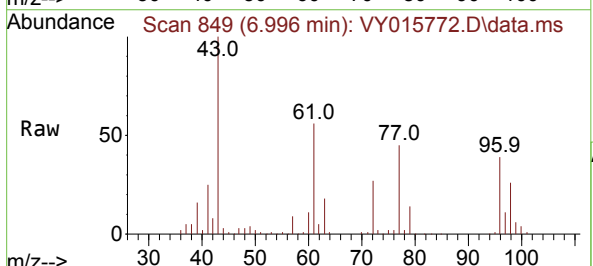
Acq: 29 Sep 2023 22:32

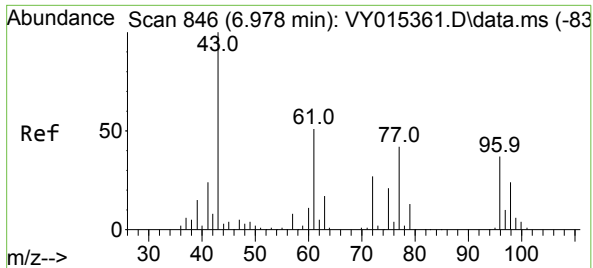
Tgt Ion: 77 Resp: 139038

Ion Ratio Lower Upper

77 100

97 23.1 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 46.306 ug/l

RT: 7.003 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

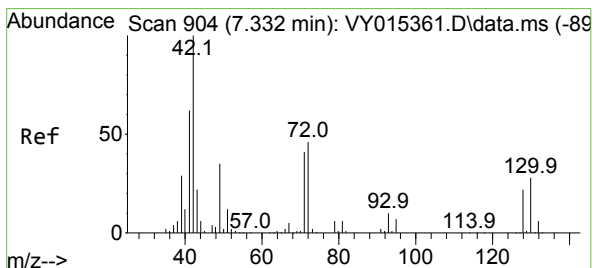
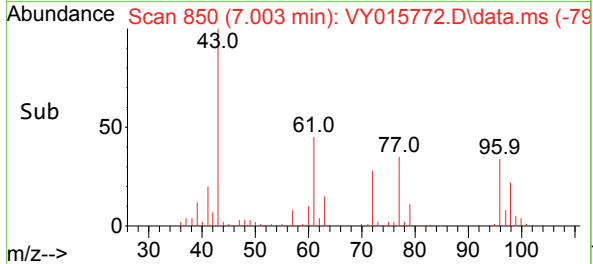
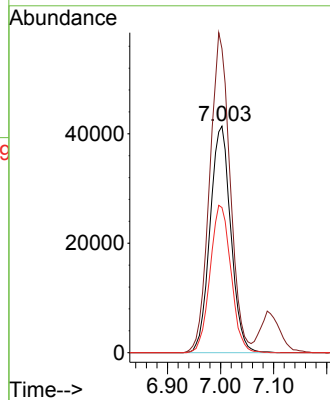
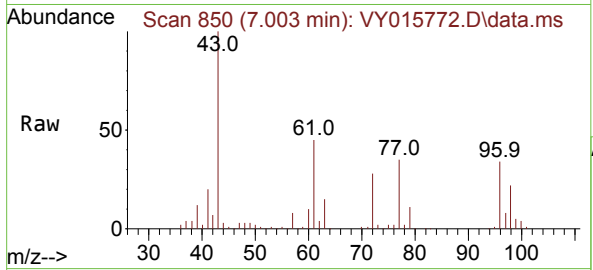
Tgt Ion: 96 Resp: 112733

Ion Ratio Lower Upper

96 100

61 138.6 0.0 301.4

98 65.3 0.0 130.4



#28

Bromochloromethane

Concen: 39.190 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.024 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

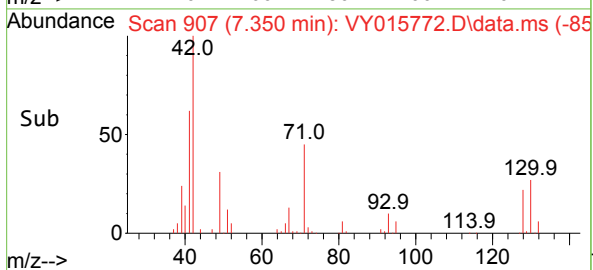
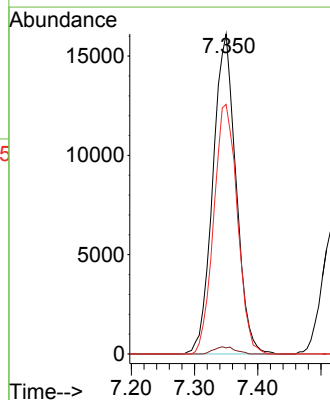
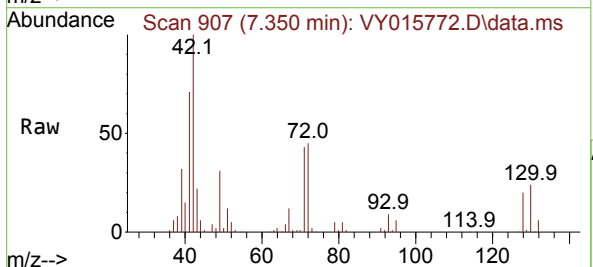
Tgt Ion: 49 Resp: 40913

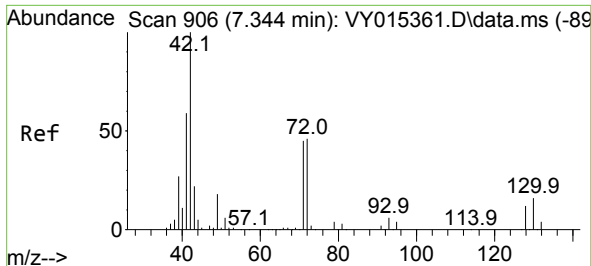
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.6

130 79.6 60.7 91.1





#29

Tetrahydrofuran

Concen: 276.005 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.024 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

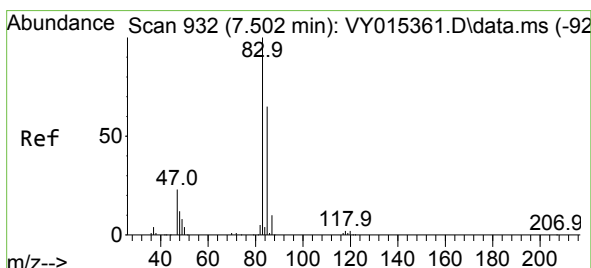
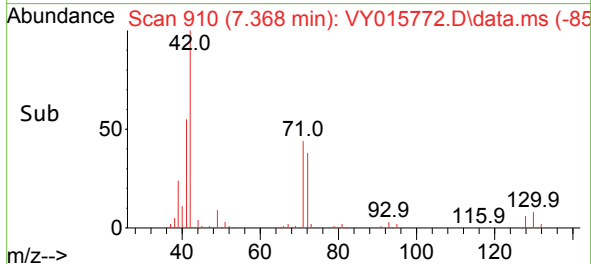
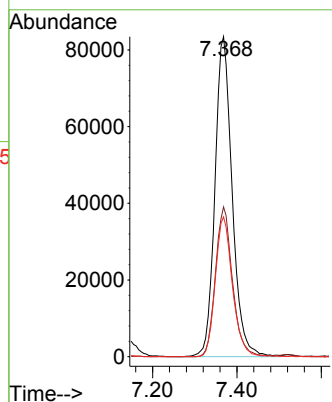
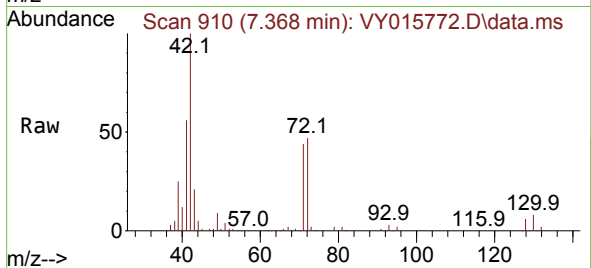
Tgt Ion: 42 Resp: 236775

Ion Ratio Lower Upper

42 100

72 46.3 32.8 49.2

71 43.5 31.0 46.4



#30

Chloroform

Concen: 47.397 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.025 min

Lab File: VY015772.D

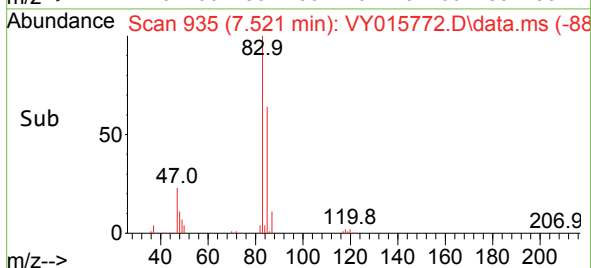
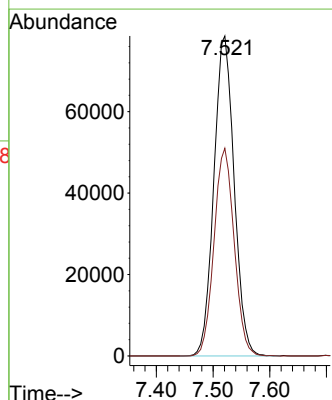
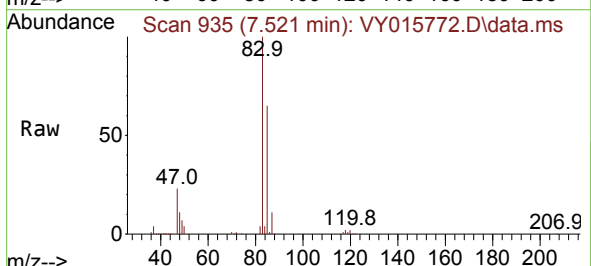
Acq: 29 Sep 2023 22:32

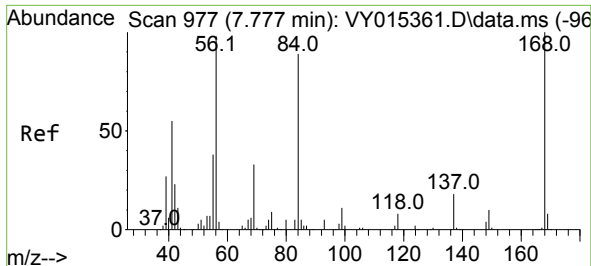
Tgt Ion: 83 Resp: 195311

Ion Ratio Lower Upper

83 100

85 64.9 49.7 74.5

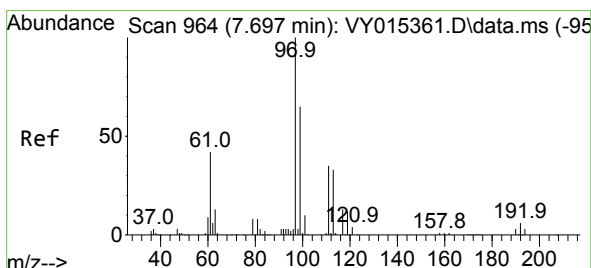
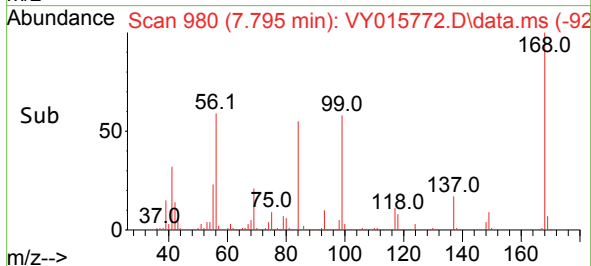
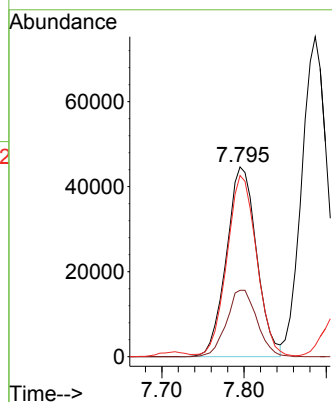
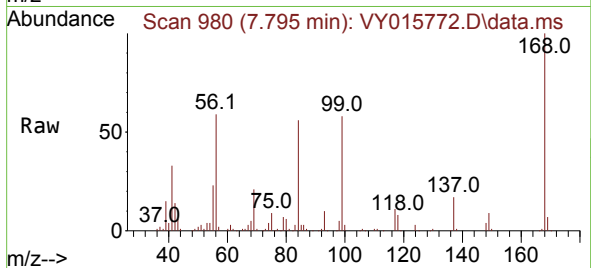




#31  
Cyclohexane  
Concen: 40.960 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

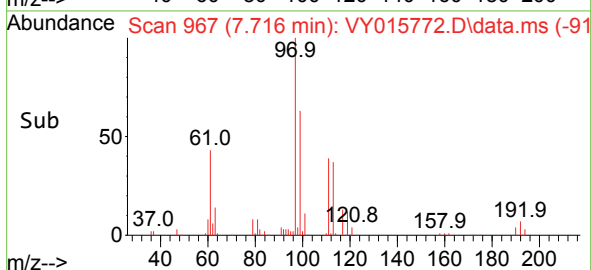
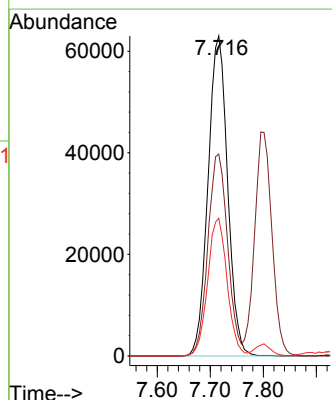
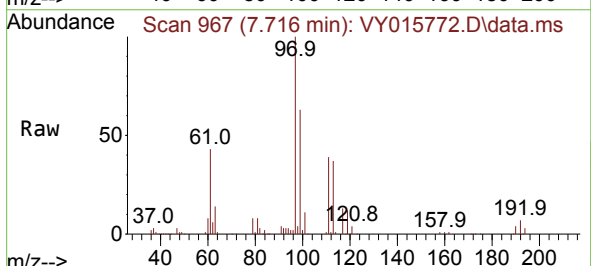
Instrument :  
MSVOA\_Y  
ClientSampleId :

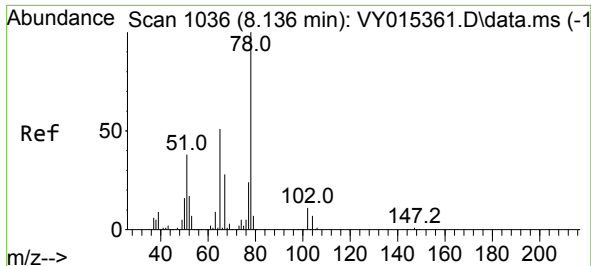
Tgt Ion: 56 Resp: 113853  
Ion Ratio Lower Upper  
56 100  
69 35.0 27.8 41.6  
84 93.3 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 47.563 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. 0.025 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 97 Resp: 161798  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.8 76.2  
61 42.8 35.1 52.7

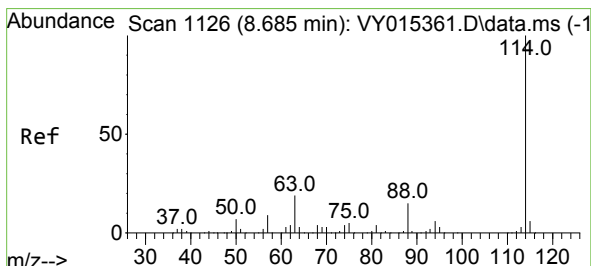
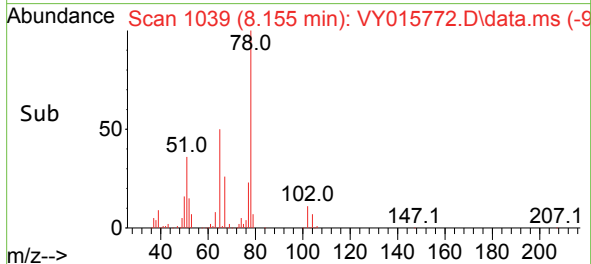
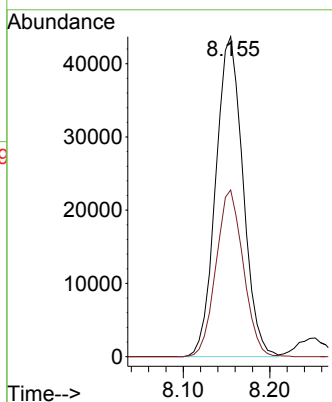
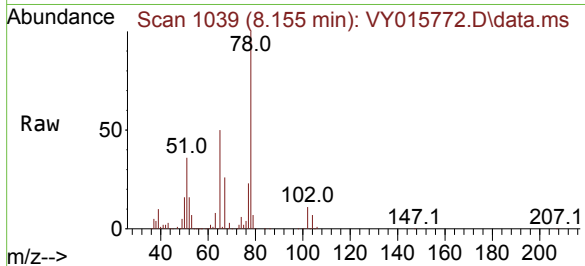




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.576 ug/l  
 RT: 8.155 min Scan# 1109  
 Delta R.T. 0.019 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

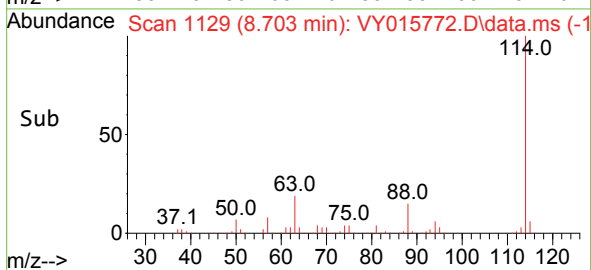
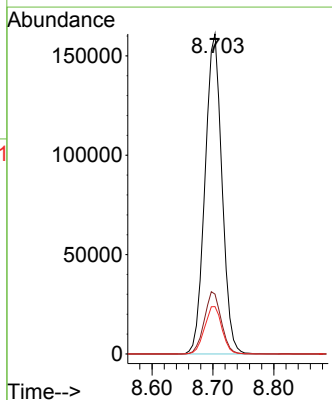
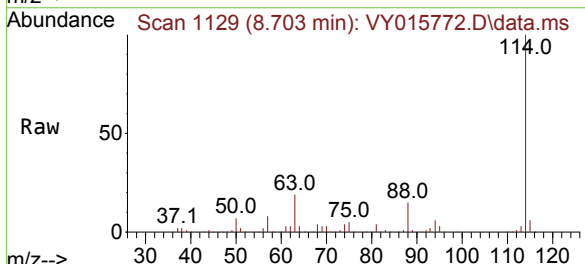
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

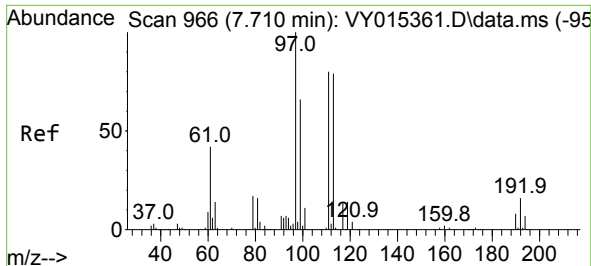
Tgt Ion: 65 Resp: 95462  
 Ion Ratio Lower Upper  
 65 100  
 67 52.2 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. 0.018 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

Tgt Ion: 114 Resp: 310972  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 42.4  
 88 14.8 0.0 30.6

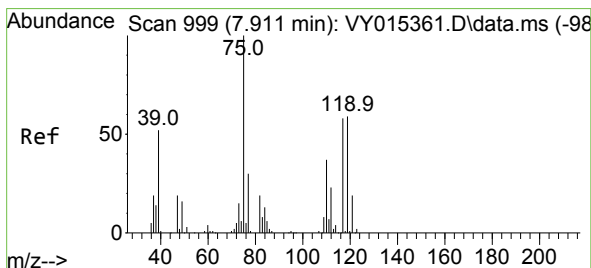
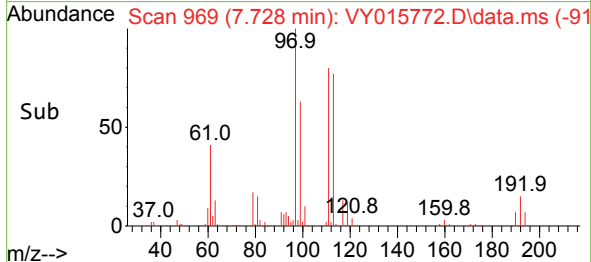
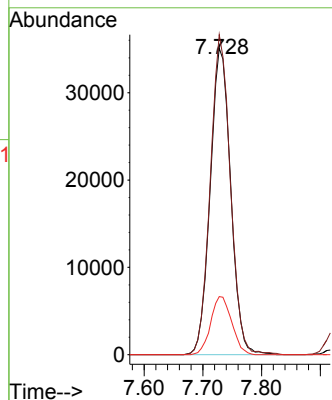
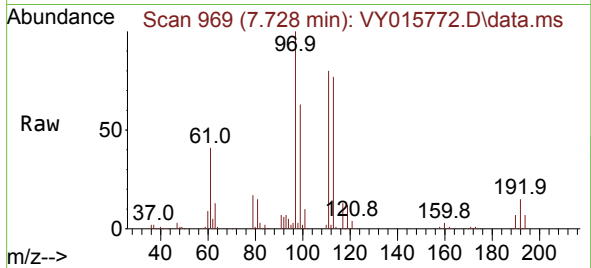




#35  
Dibromofluoromethane  
Concen: 45.612 ug/l  
RT: 7.728 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

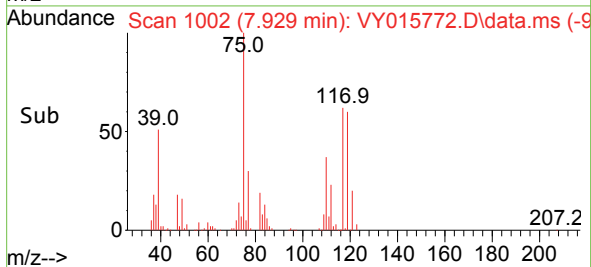
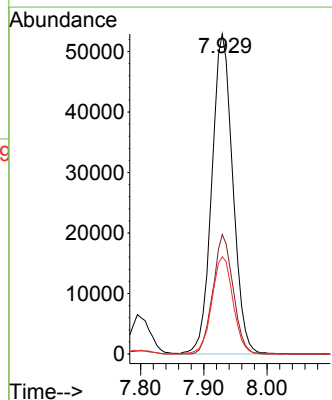
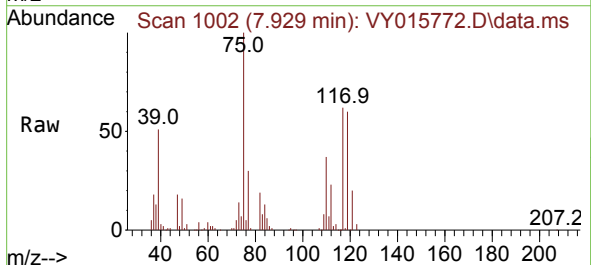
Instrument :  
MSVOA\_Y  
ClientSampleId :

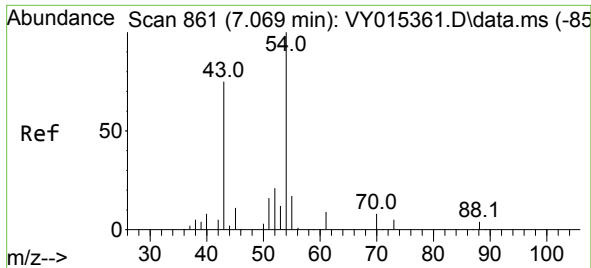
Tgt Ion:113 Resp: 84897  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.3 121.9  
192 19.5 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 44.215 ug/l  
RT: 7.929 min Scan# 1002  
Delta R.T. 0.018 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 75 Resp: 121681  
Ion Ratio Lower Upper  
75 100  
110 35.7 17.8 53.5  
77 30.7 24.4 36.6

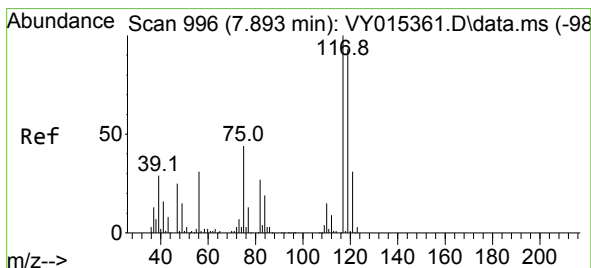
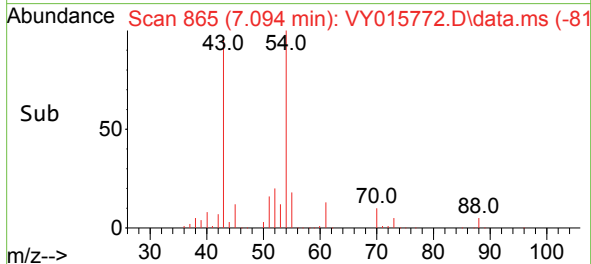
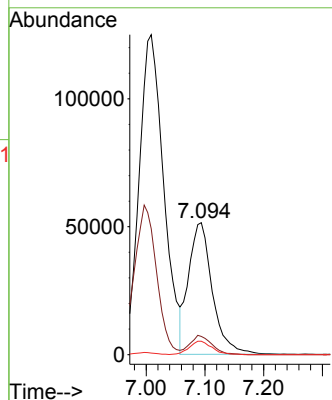
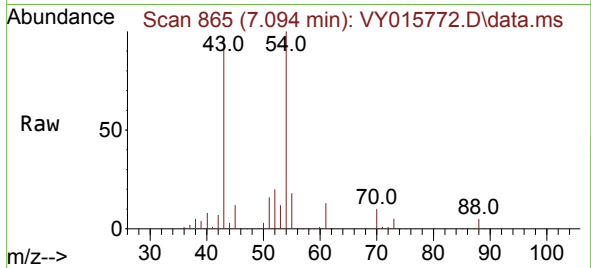




#37  
Ethyl Acetate  
Concen: 52.738 ug/l  
RT: 7.094 min Scan# 861  
Delta R.T. 0.031 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

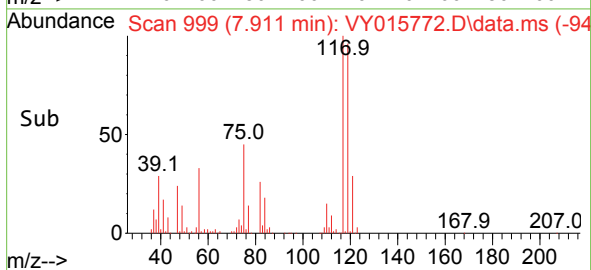
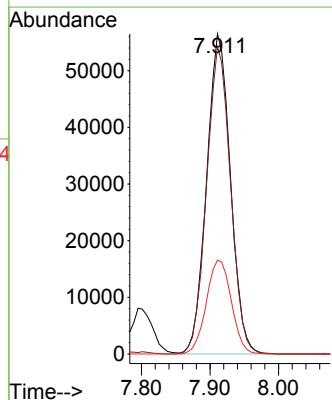
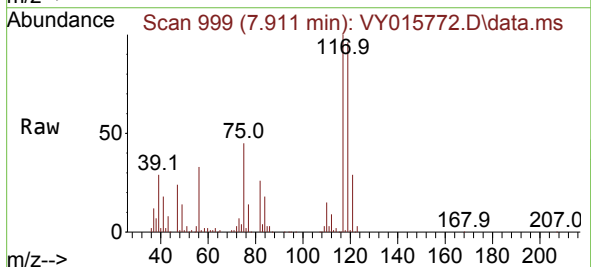
Instrument :  
MSVOA\_Y  
ClientSampleId :

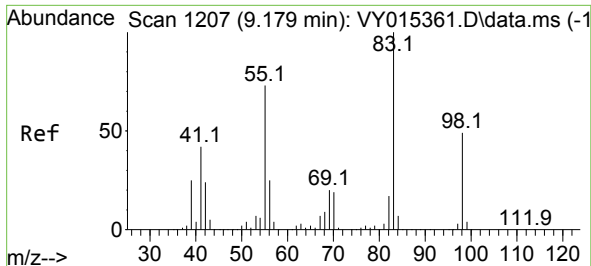
Tgt Ion: 43 Resp: 144768  
Ion Ratio Lower Upper  
43 100  
61 13.5 10.1 15.1  
70 9.9 7.1 10.7



#38  
Carbon Tetrachloride  
Concen: 45.759 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. 0.018 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 117 Resp: 136695  
Ion Ratio Lower Upper  
117 100  
119 96.1 76.4 114.6  
121 29.3 25.8 38.6





#39

Methylcyclohexane

Concen: 43.804 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

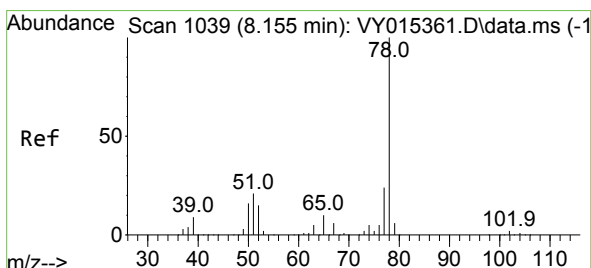
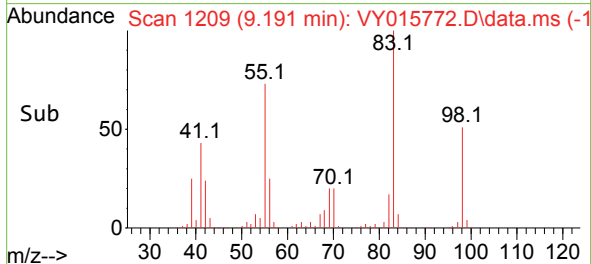
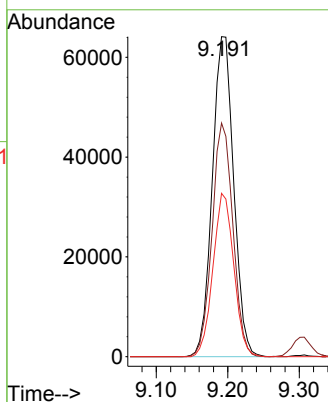
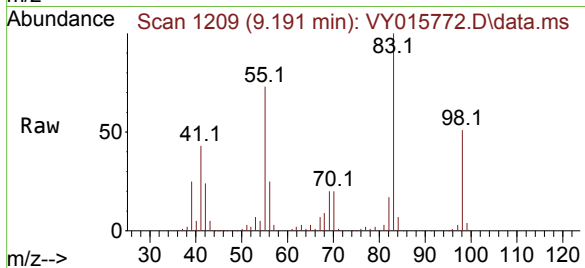
Tgt Ion: 83 Resp: 133335

Ion Ratio Lower Upper

83 100

55 73.0 63.0 94.4

98 51.1 37.4 56.2



#40

Benzene

Concen: 45.461 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.024 min

Lab File: VY015772.D

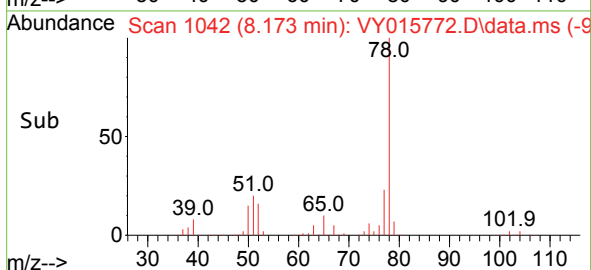
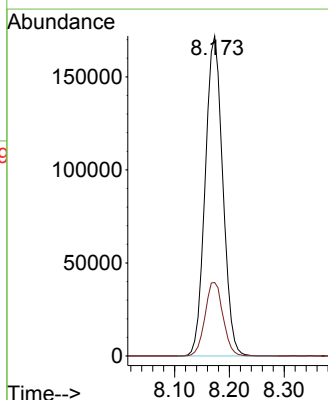
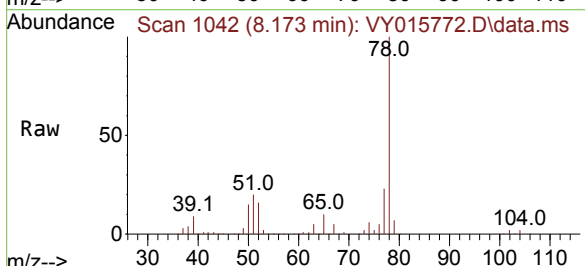
Acq: 29 Sep 2023 22:32

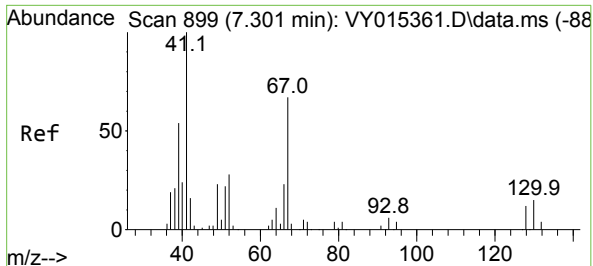
Tgt Ion: 78 Resp: 381534

Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.6



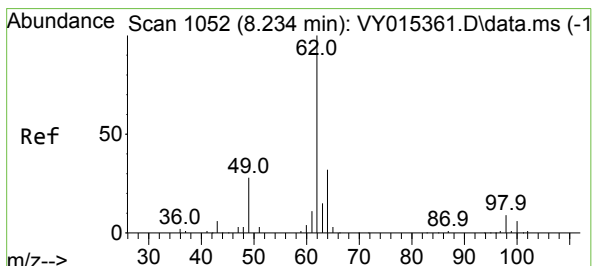
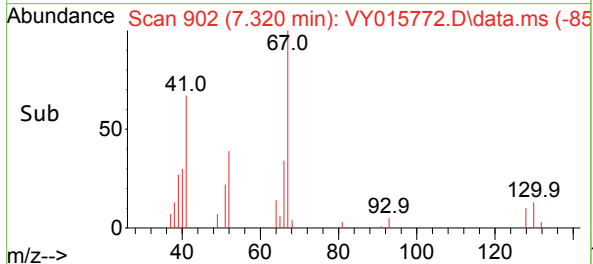
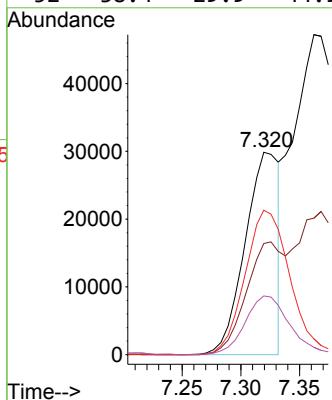
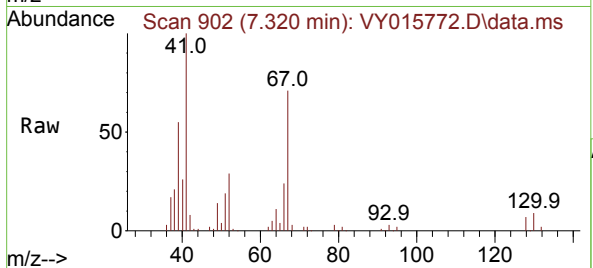


#41  
Methacrylonitrile  
Concen: 40.695 ug/l  
RT: 7.320 min Scan# 902  
Delta R.T. 0.007 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 41 Resp: 60149

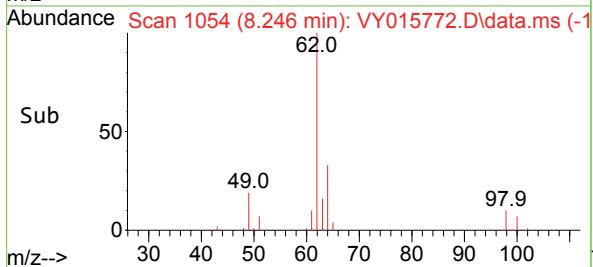
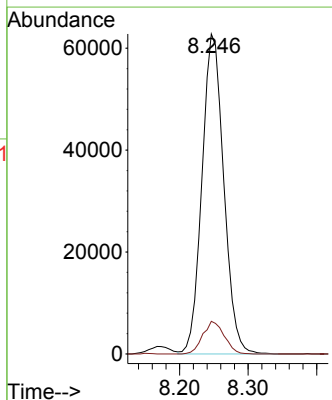
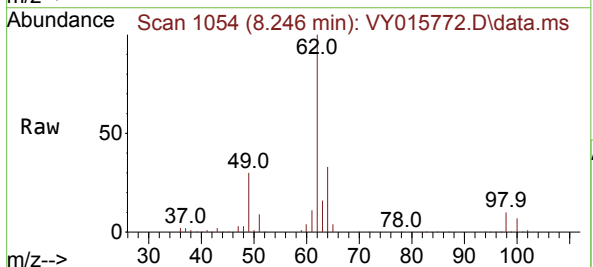
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 62.7  | 52.1  | 78.1  |
| 67  | 95.0  | 66.2  | 99.2  |
| 52  | 38.4  | 29.9  | 44.9  |

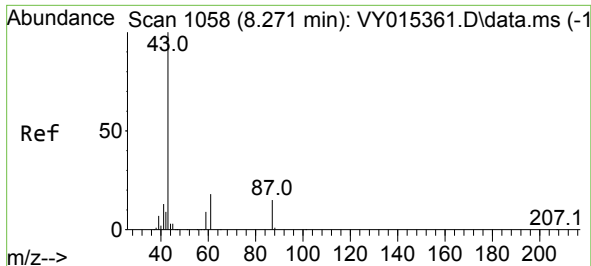


#42  
1,2-Dichloroethane  
Concen: 48.345 ug/l  
RT: 8.246 min Scan# 1054  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 62 Resp: 138957

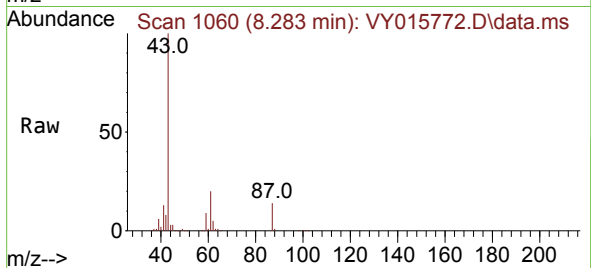
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 10.0  | 0.0   | 15.8  |



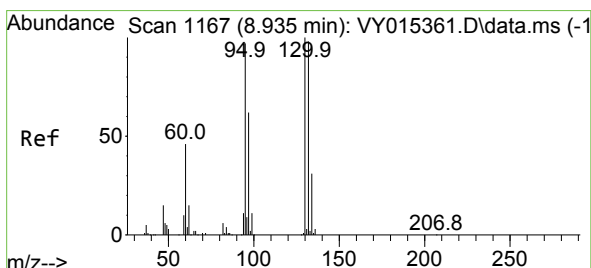
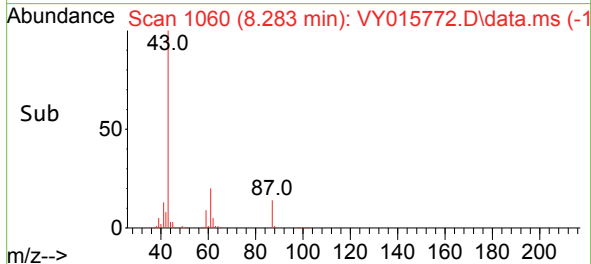
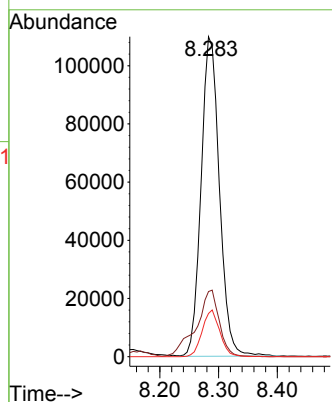


#43  
Isopropyl Acetate  
Concen: 50.825 ug/l  
RT: 8.283 min Scan# 1060  
Delta R.T. 0.019 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

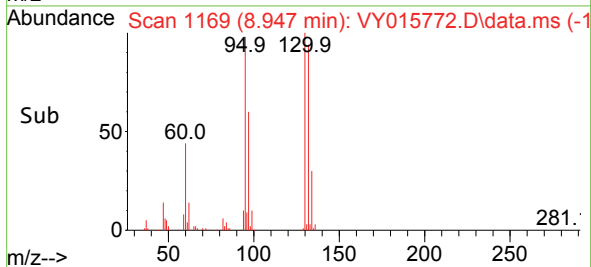
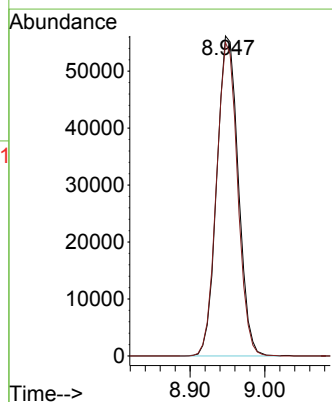
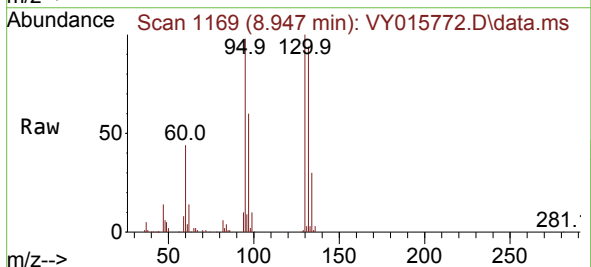


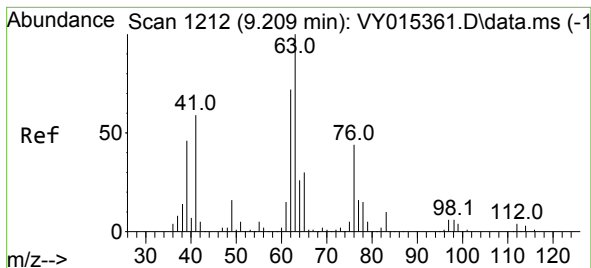
Tgt Ion: 43 Resp: 238321  
Ion Ratio Lower Upper  
43 100  
61 26.4 21.1 31.7  
87 14.0 9.8 14.8



#44  
Trichloroethene  
Concen: 47.930 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion:130 Resp: 112349  
Ion Ratio Lower Upper  
130 100  
95 97.9 0.0 196.0





#45

1,2-Dichloropropane

Concen: 45.978 ug/l

RT: 9.228 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

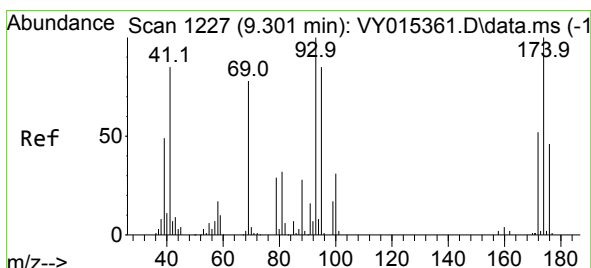
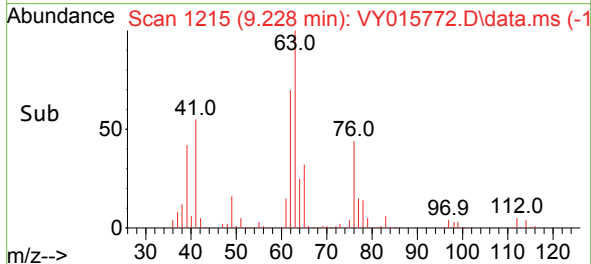
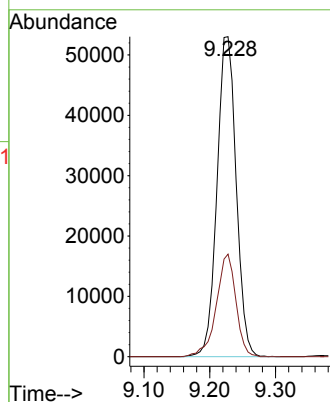
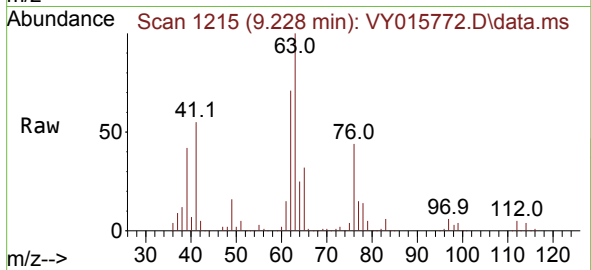
ClientSampleId :

Tgt Ion: 63 Resp: 107607

Ion Ratio Lower Upper

63 100

65 32.1 23.8 35.6



#46

Dibromomethane

Concen: 48.848 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.024 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

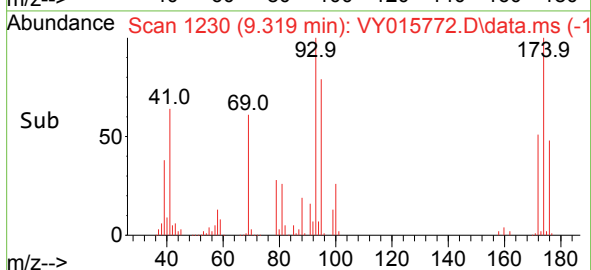
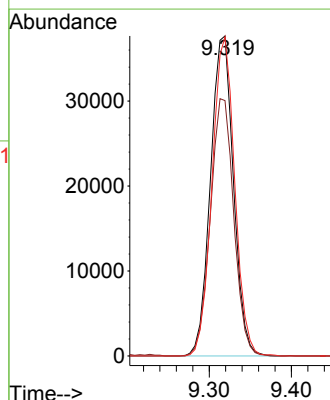
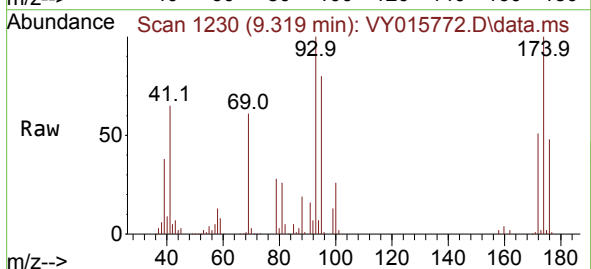
Tgt Ion: 93 Resp: 73130

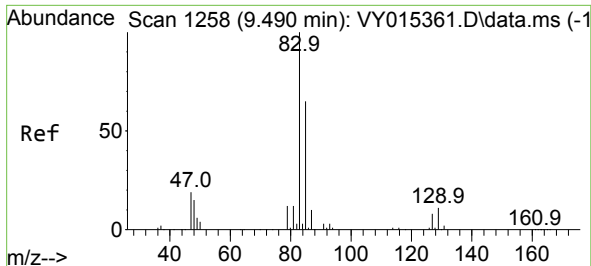
Ion Ratio Lower Upper

93 100

95 81.8 66.6 100.0

174 98.3 84.8 127.2

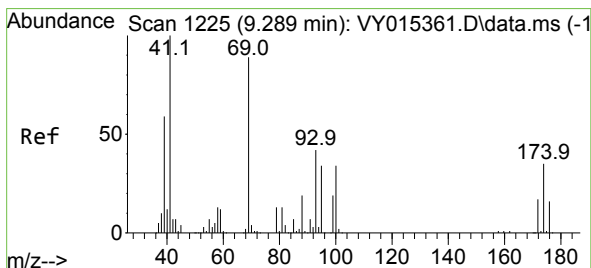
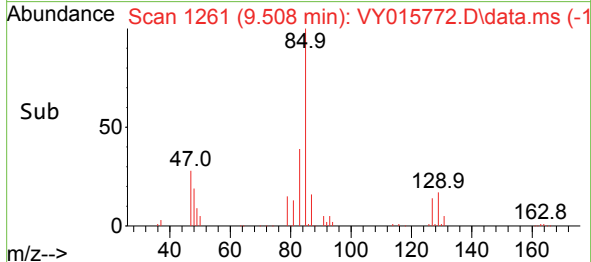
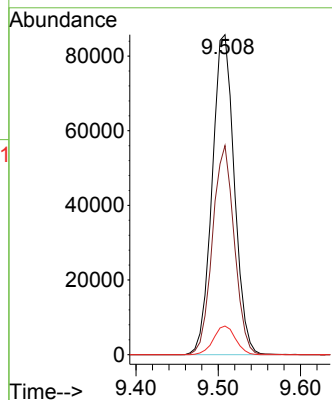
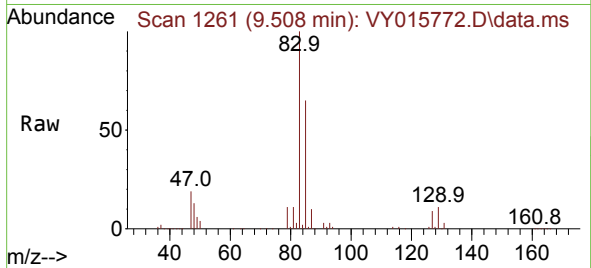




#47  
Bromodichloromethane  
Concen: 48.009 ug/l  
RT: 9.508 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

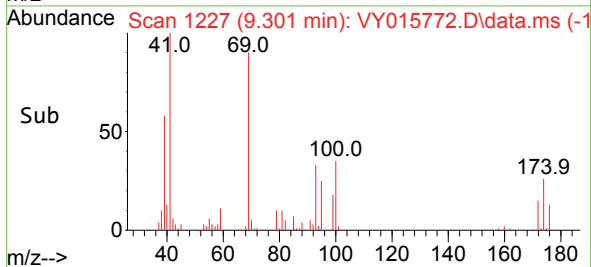
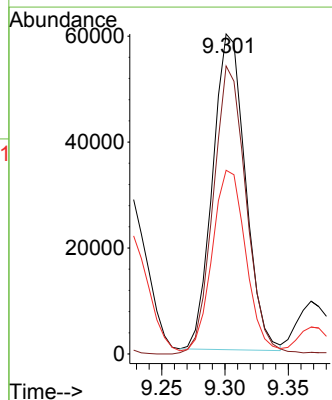
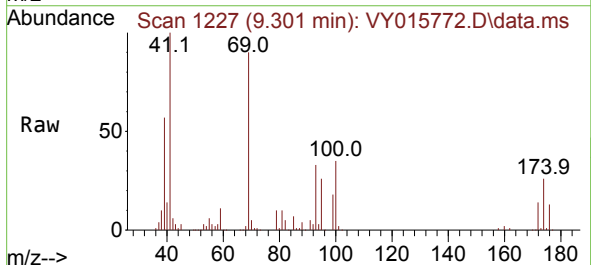
Instrument :  
MSVOA\_Y  
ClientSampleId :

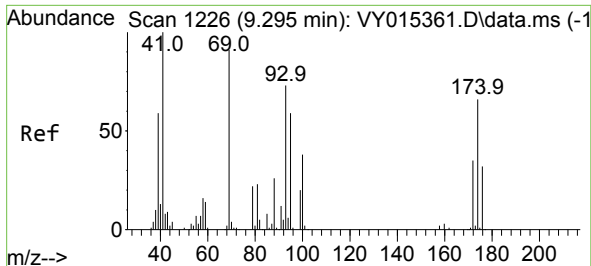
Tgt Ion: 83 Resp: 160205  
Ion Ratio Lower Upper  
83 100  
85 65.4 50.1 75.1  
127 9.0 7.1 10.7



#48  
Methyl methacrylate  
Concen: 52.007 ug/l  
RT: 9.301 min Scan# 1227  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

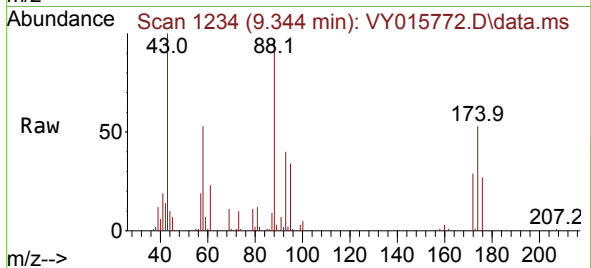
Tgt Ion: 41 Resp: 107041  
Ion Ratio Lower Upper  
41 100  
69 92.0 64.5 96.7  
39 60.4 50.8 76.2



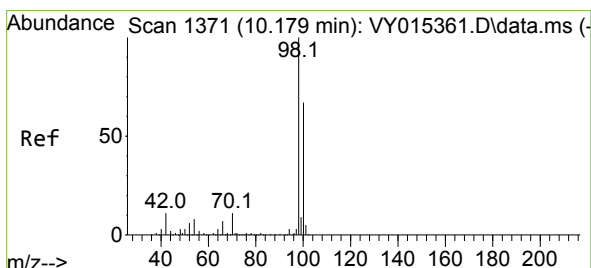
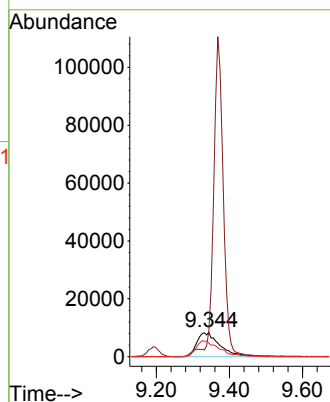
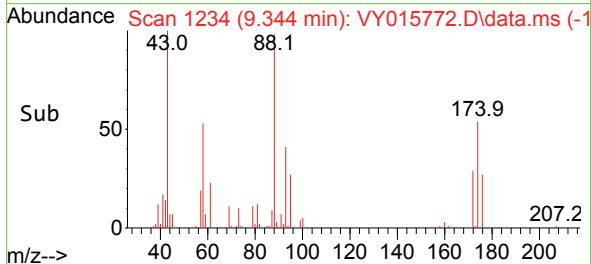


#49  
1,4-Dioxane  
Concen: 1237.306 ug/l  
RT: 9.344 min Scan# 11  
Delta R.T. 0.055 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Instrument :  
MSVOA\_Y  
ClientSampleId :

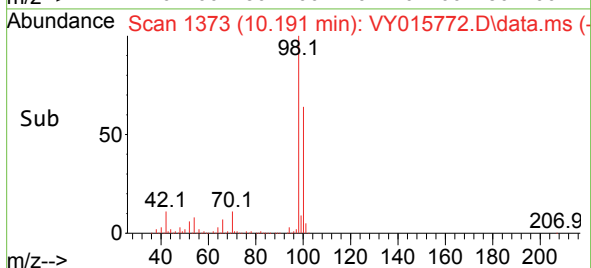
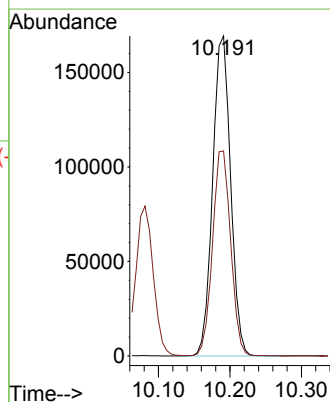
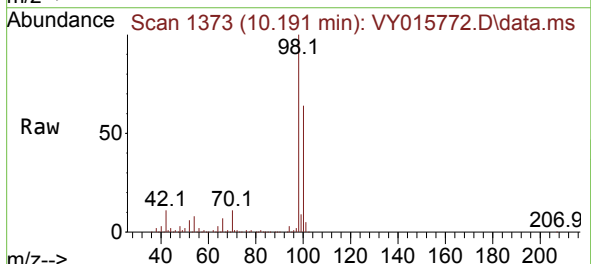


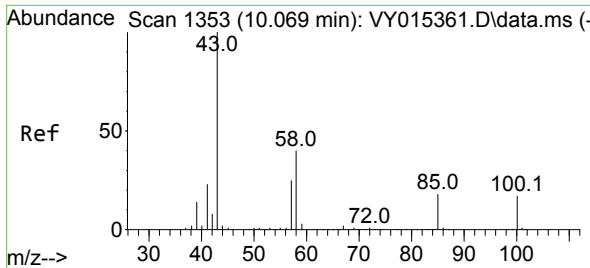
Tgt Ion: 88 Resp: 36595  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 66.0 30.9 46.3#



#50  
Toluene-d8  
Concen: 46.740 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 98 Resp: 294973  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.1 75.1

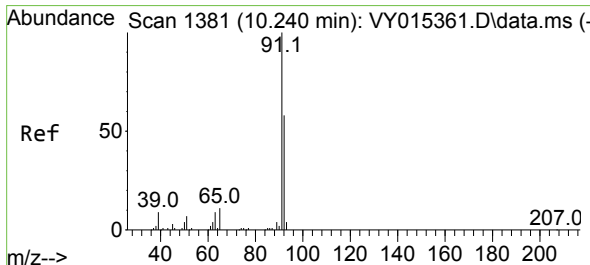
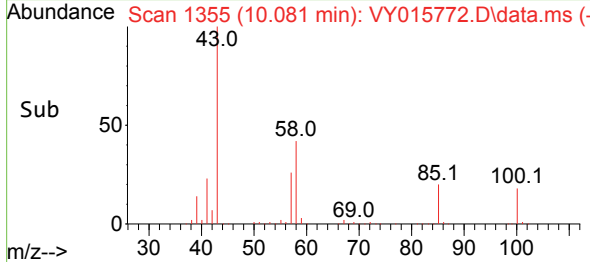
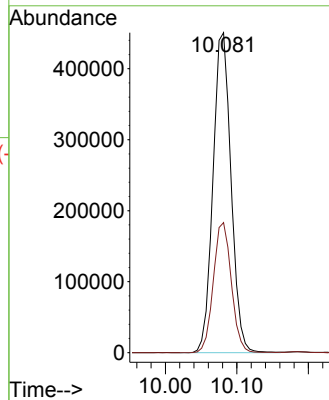
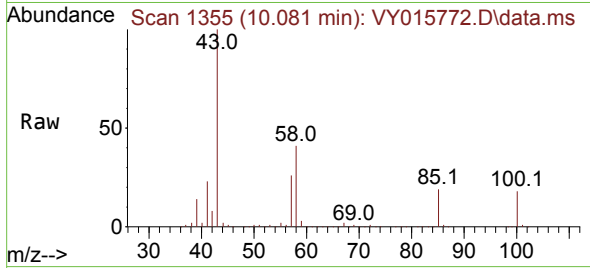




#51  
4-Methyl-2-Pentanone  
Concen: 271.639 ug/l  
RT: 10.081 min Scan# 1355  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

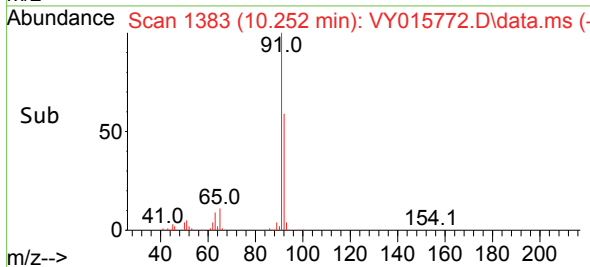
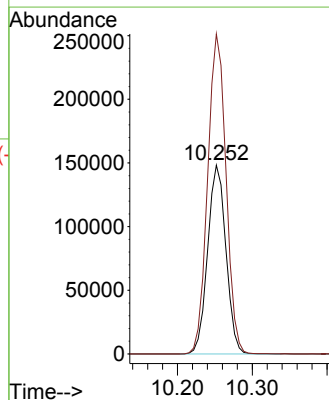
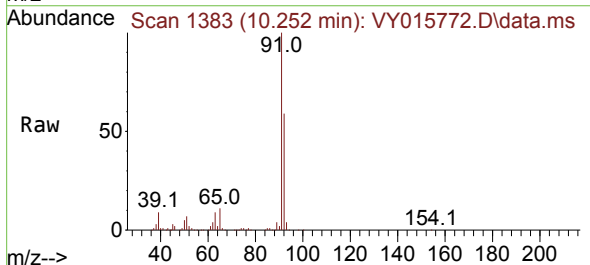
Instrument :  
MSVOA\_Y  
ClientSampleId :

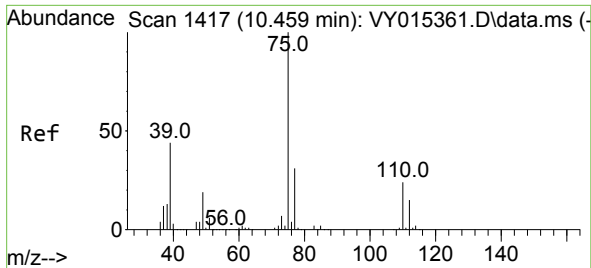
Tgt Ion: 43 Resp: 789477  
Ion Ratio Lower Upper  
43 100  
58 40.6 29.0 43.6



#52  
Toluene  
Concen: 46.436 ug/l  
RT: 10.252 min Scan# 1383  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 92 Resp: 251246  
Ion Ratio Lower Upper  
92 100  
91 170.7 143.8 215.6

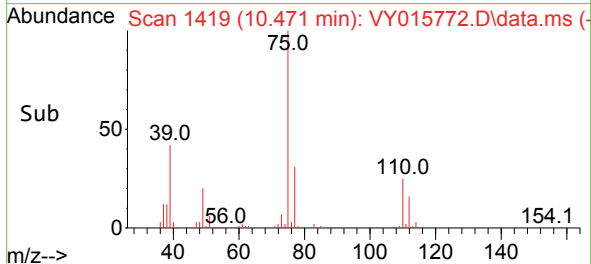
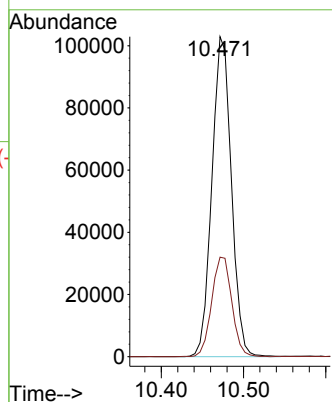
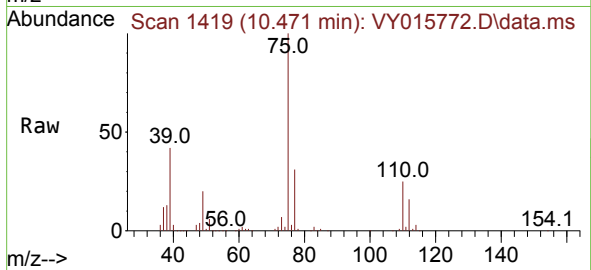




#53  
 t-1,3-Dichloropropene  
 Concen: 47.237 ug/l  
 RT: 10.471 min Scan# 1417  
 Delta R.T. 0.012 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

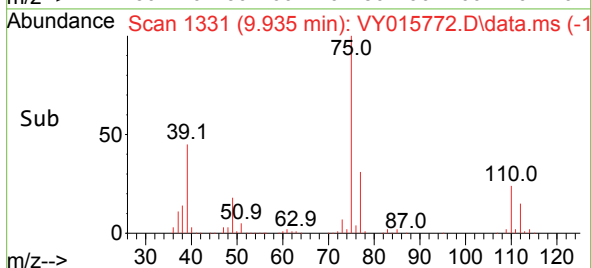
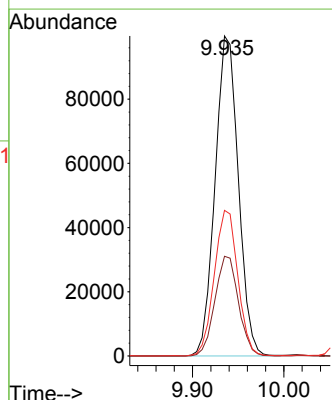
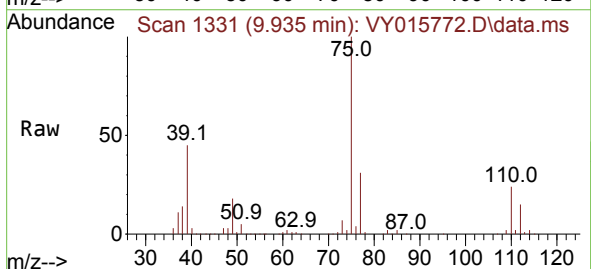
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

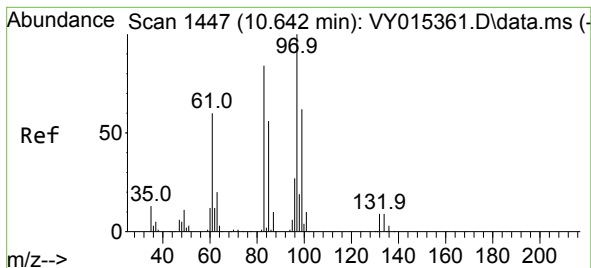
Tgt Ion: 75 Resp: 169035  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 25.0 37.4



#54  
 cis-1,3-Dichloropropene  
 Concen: 45.807 ug/l  
 RT: 9.935 min Scan# 1331  
 Delta R.T. 0.012 min  
 Lab File: VY015772.D  
 Acq: 29 Sep 2023 22:32

Tgt Ion: 75 Resp: 176445  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 24.2 36.4  
 39 45.4 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 48.650 ug/l

RT: 10.654 min Scan# 1449

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion: 97 Resp: 106736

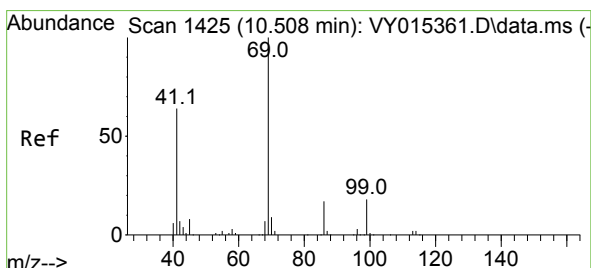
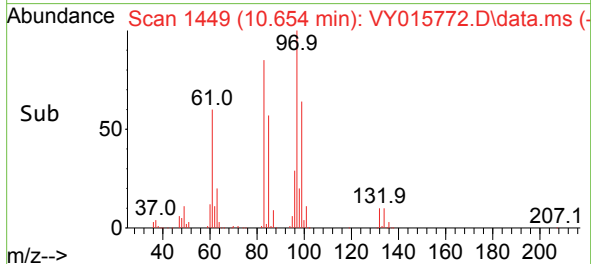
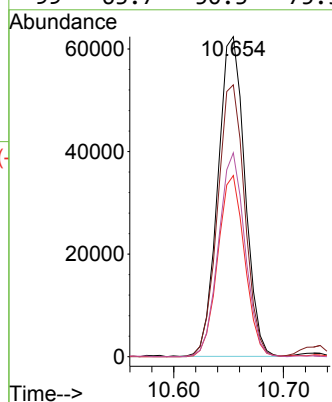
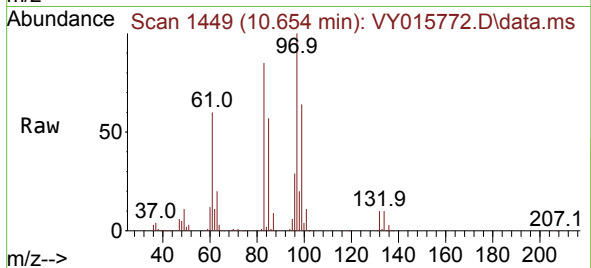
Ion Ratio Lower Upper

97 100

83 85.1 72.0 108.0

85 56.6 45.4 68.0

99 63.7 50.3 75.5



#56

Ethyl methacrylate

Concen: 50.949 ug/l

RT: 10.520 min Scan# 1427

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

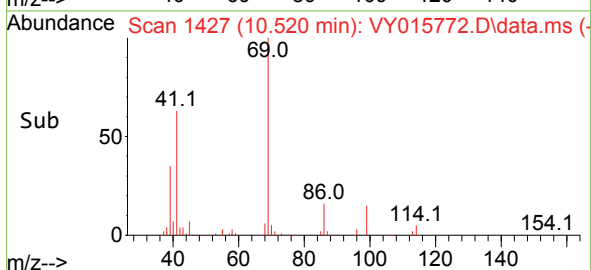
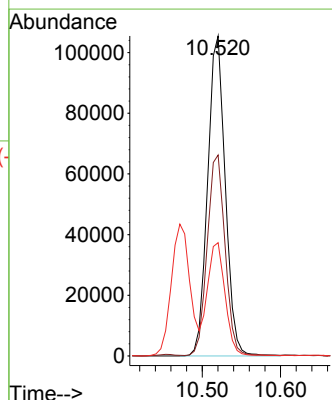
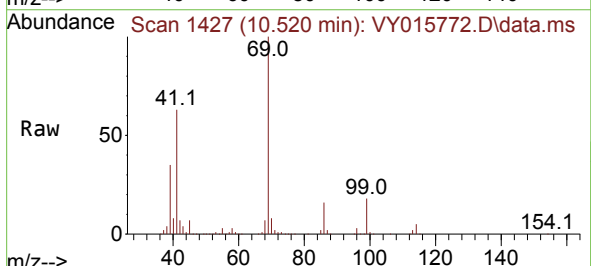
Tgt Ion: 69 Resp: 164729

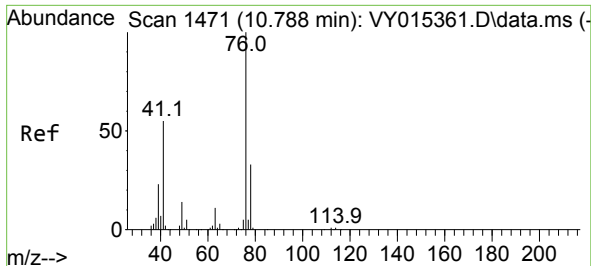
Ion Ratio Lower Upper

69 100

41 63.3 57.6 86.4

39 35.4 34.1 51.1





#57

1,3-Dichloropropane

Concen: 48.836 ug/l

RT: 10.795 min Scan# 1471

Delta R.T. 0.007 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

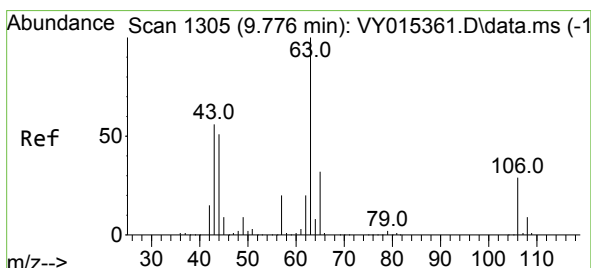
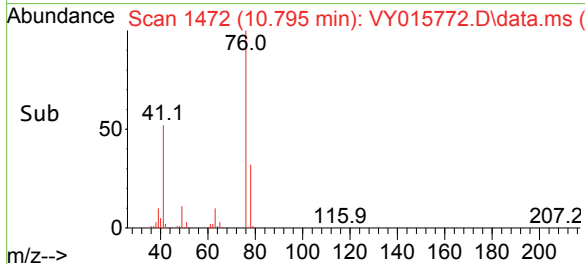
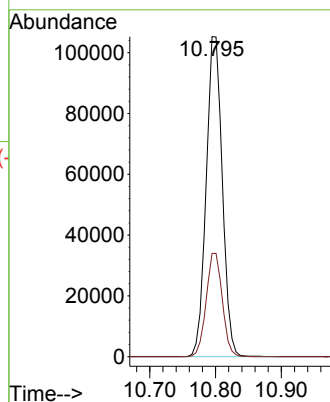
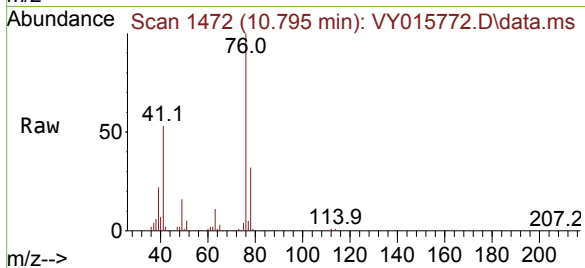
ClientSampleId :

Tgt Ion: 76 Resp: 179678

Ion Ratio Lower Upper

76 100

78 32.3 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 208.353 ug/l

RT: 9.789 min Scan# 1307

Delta R.T. 0.013 min

Lab File: VY015772.D

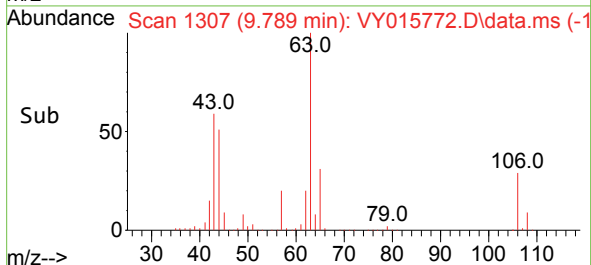
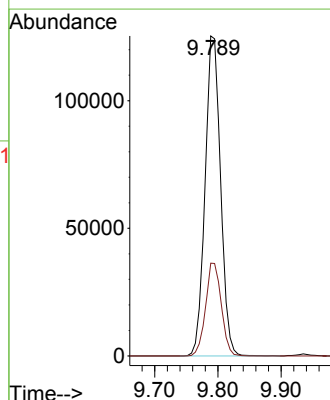
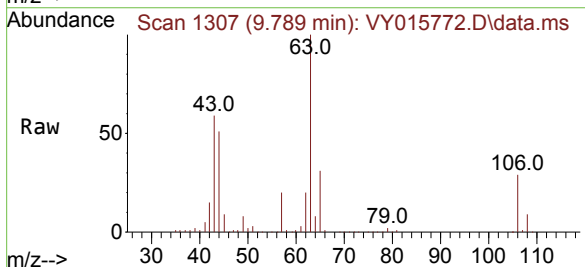
Acq: 29 Sep 2023 22:32

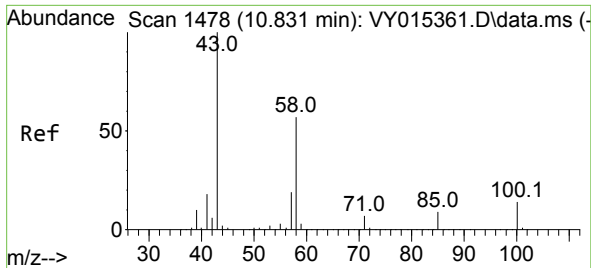
Tgt Ion: 63 Resp: 213980

Ion Ratio Lower Upper

63 100

106 29.4 21.2 31.8

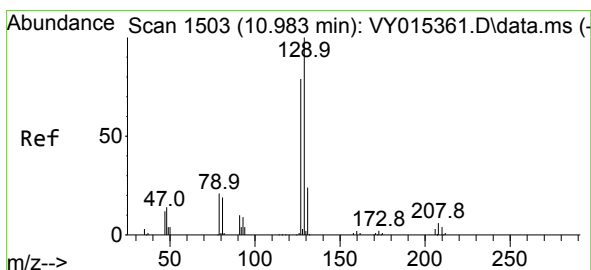
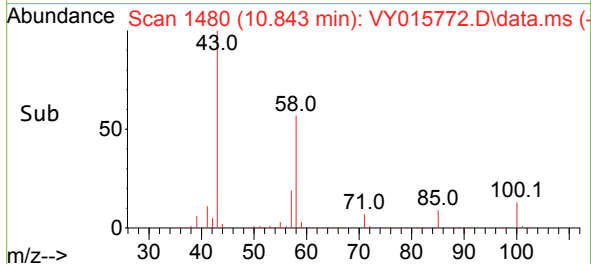
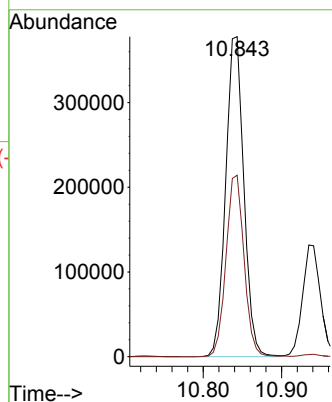
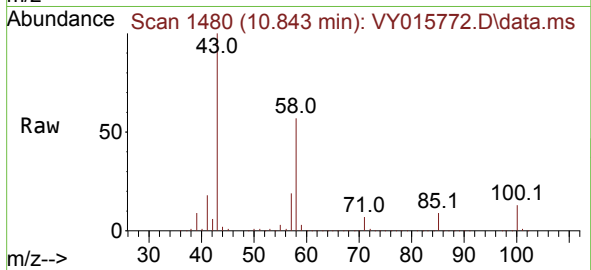




#59  
2-Hexanone  
Concen: 272.902 ug/l  
RT: 10.843 min Scan# 1478  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

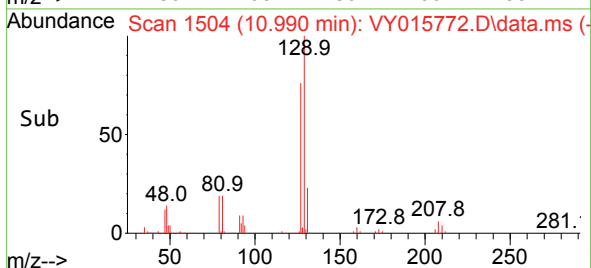
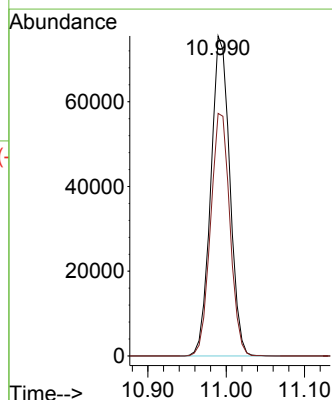
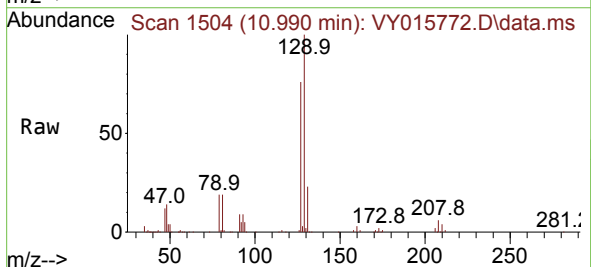
Instrument :  
MSVOA\_Y  
ClientSampleId :

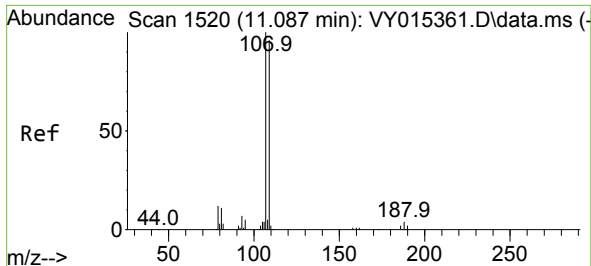
Tgt Ion: 43 Resp: 608513  
Ion Ratio Lower Upper  
43 100  
58 56.5 25.1 75.3



#60  
Dibromochloromethane  
Concen: 49.610 ug/l  
RT: 10.990 min Scan# 1504  
Delta R.T. 0.007 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 129 Resp: 127054  
Ion Ratio Lower Upper  
129 100  
127 77.0 38.5 115.5

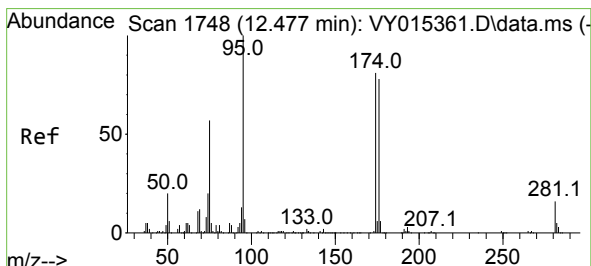
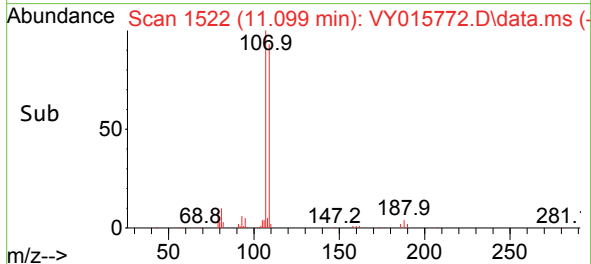
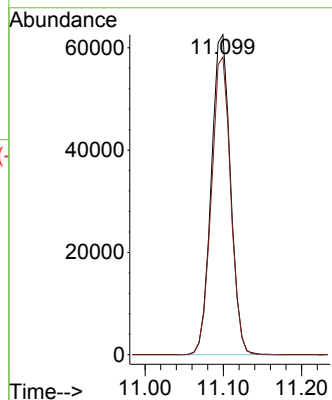
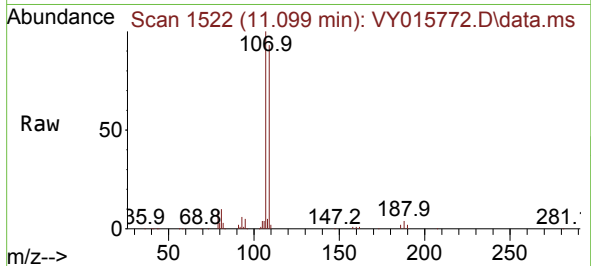




#61  
1,2-Dibromoethane  
Concen: 49.557 ug/l  
RT: 11.099 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

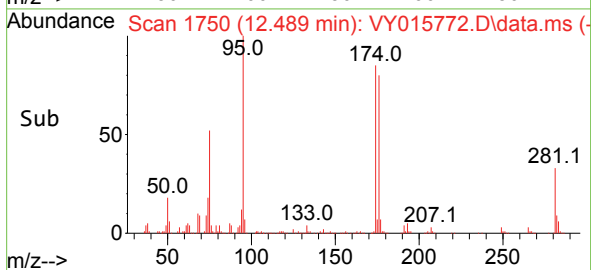
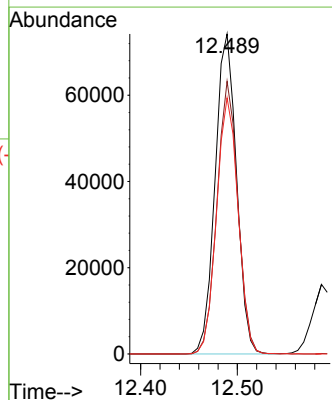
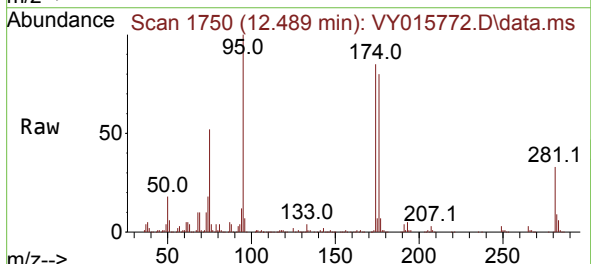
Instrument :  
MSVOA\_Y  
ClientSampleId :

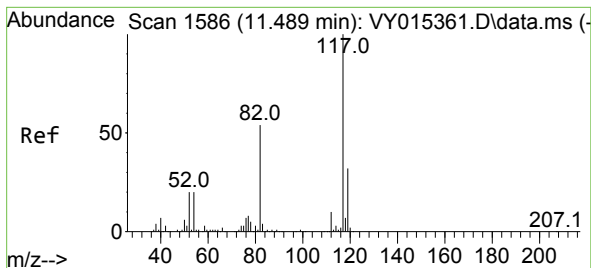
Tgt Ion:107 Resp: 106366  
Ion Ratio Lower Upper  
107 100  
109 93.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 45.955 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 95 Resp: 113814  
Ion Ratio Lower Upper  
95 100  
174 83.6 0.0 178.2  
176 80.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

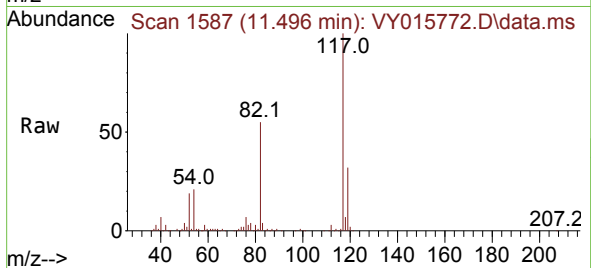
Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :



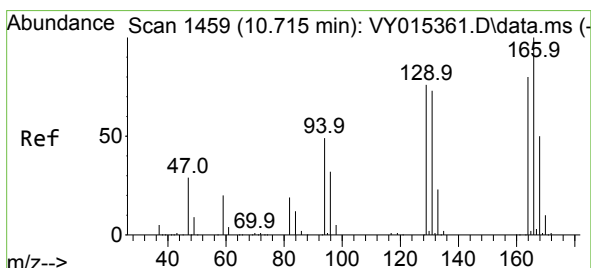
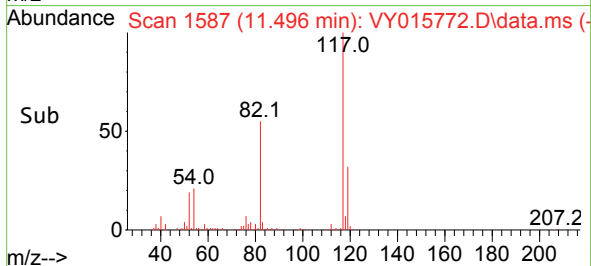
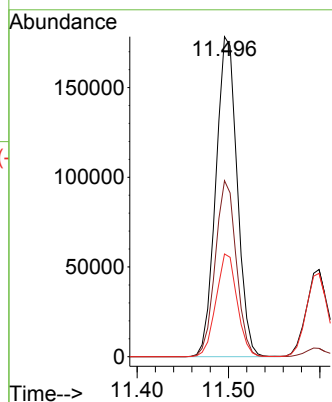
Tgt Ion:117 Resp: 289580

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.1 26.3 39.5



#64

Tetrachloroethene

Concen: 51.562 ug/l

RT: 10.727 min Scan# 1461

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Tgt Ion:164 Resp: 128105

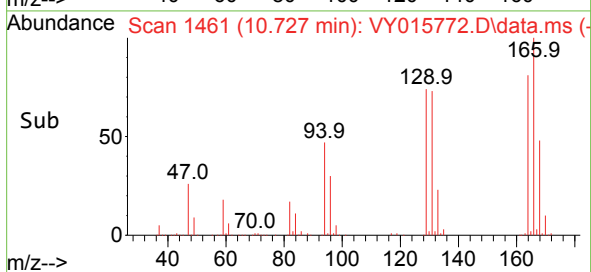
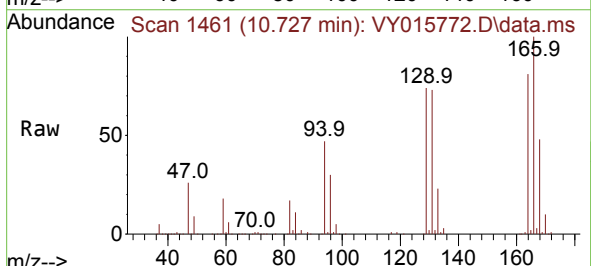
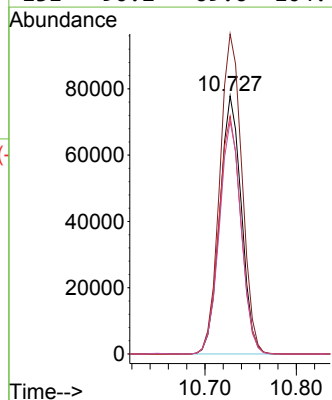
Ion Ratio Lower Upper

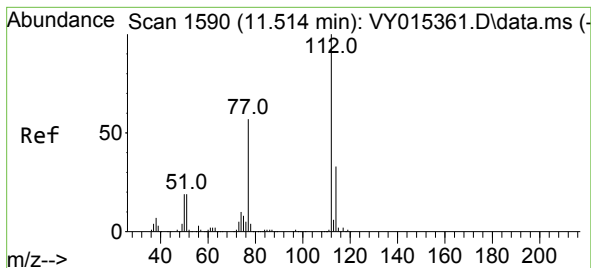
164 100

166 124.0 103.0 154.6

129 92.1 77.2 115.8

131 90.2 69.6 104.4





#65

Chlorobenzene

Concen: 45.509 ug/l

RT: 11.526 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

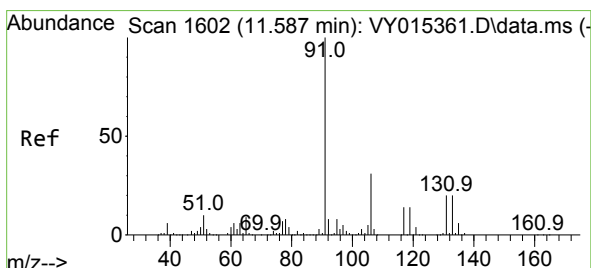
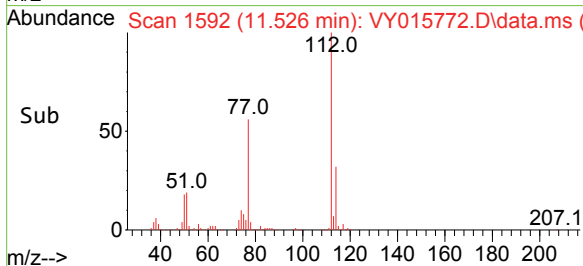
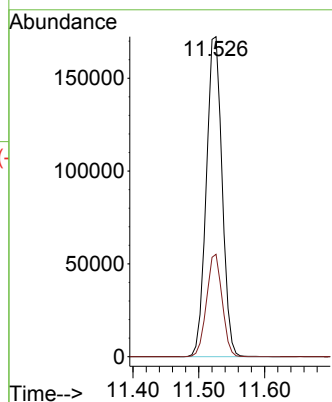
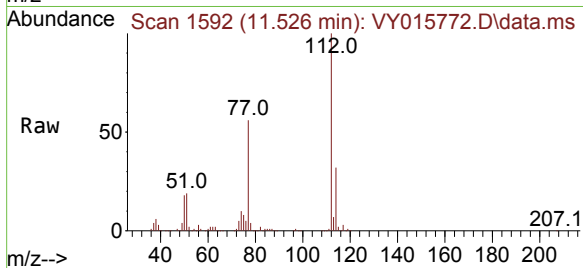
ClientSampleId :

Tgt Ion:112 Resp: 287661

Ion Ratio Lower Upper

112 100

114 32.0 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 47.513 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

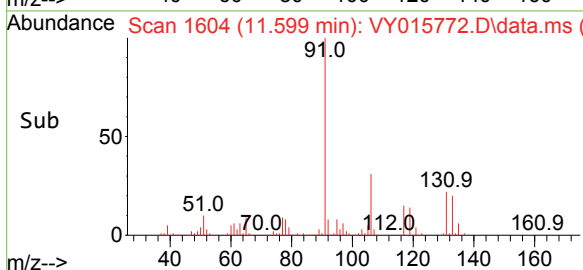
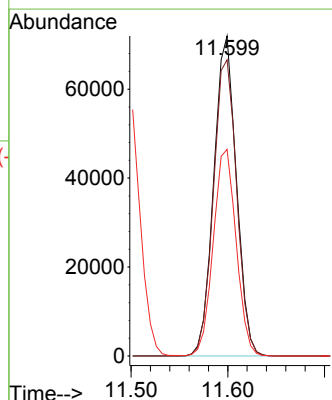
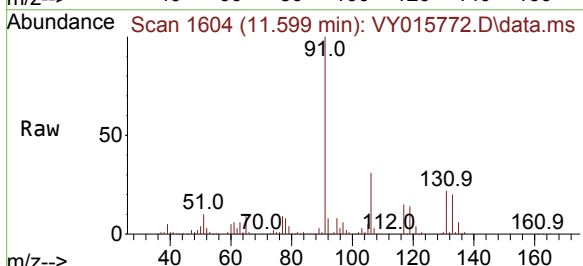
Tgt Ion:131 Resp: 116660

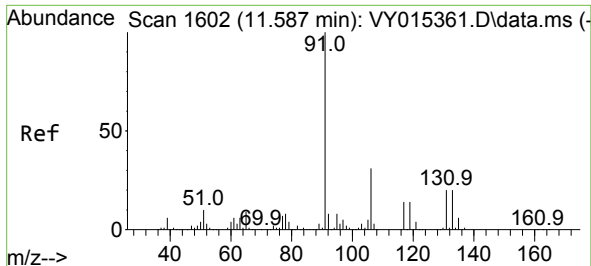
Ion Ratio Lower Upper

131 100

133 95.6 47.5 142.6

119 65.6 31.6 94.7





#67

Ethyl Benzene

Concen: 45.576 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

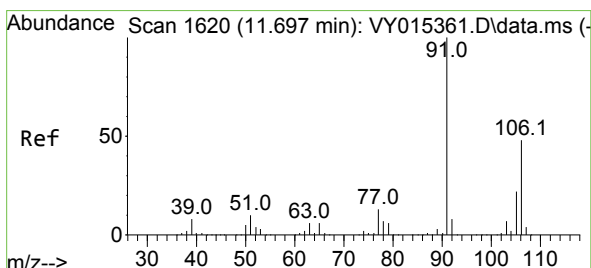
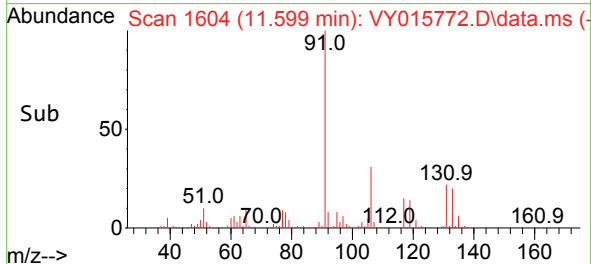
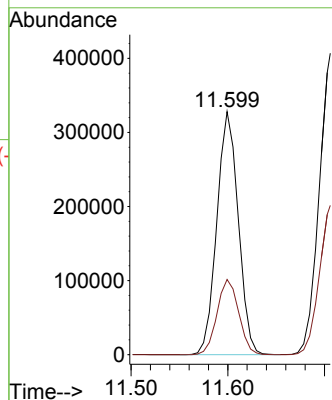
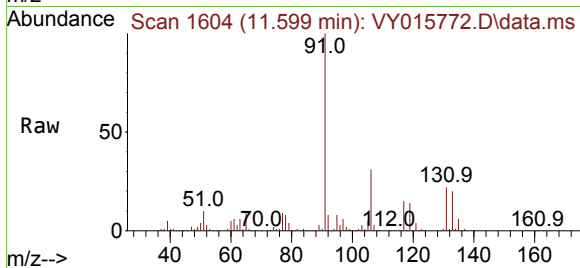
ClientSampleId :

Tgt Ion: 91 Resp: 503528

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 91.893 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015772.D

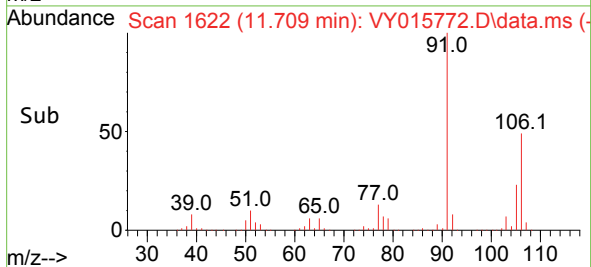
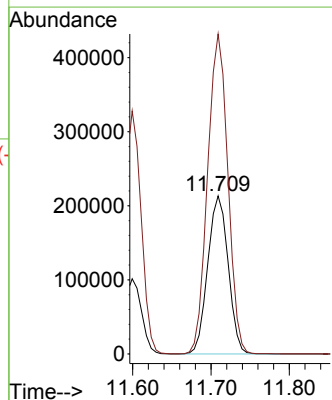
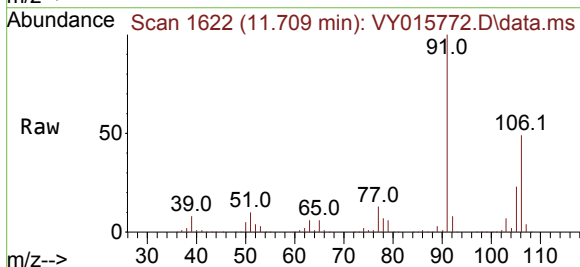
Acq: 29 Sep 2023 22:32

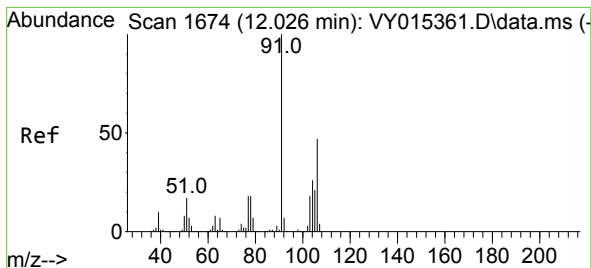
Tgt Ion:106 Resp: 385888

Ion Ratio Lower Upper

106 100

91 201.1 166.1 249.1





#69

o-Xylene

Concen: 46.287 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

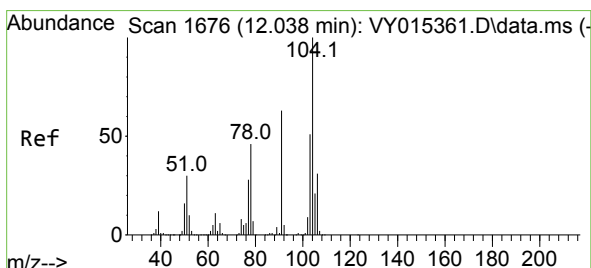
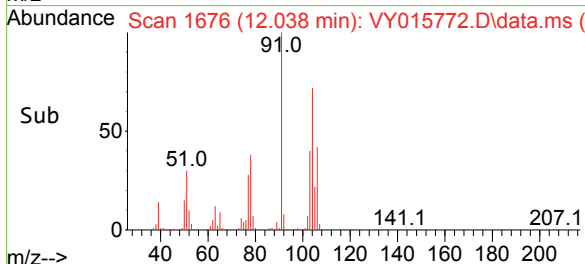
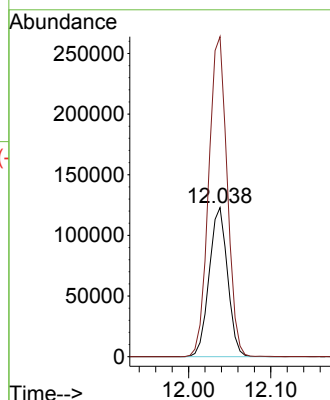
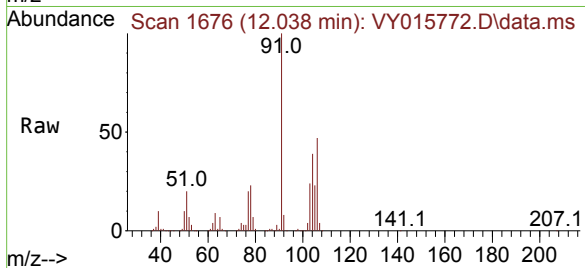
ClientSampleId :

Tgt Ion:106 Resp: 190598

Ion Ratio Lower Upper

106 100

91 216.3 108.1 324.3



#70

Styrene

Concen: 47.507 ug/l

RT: 12.050 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

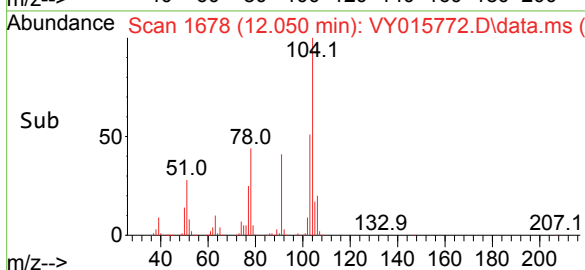
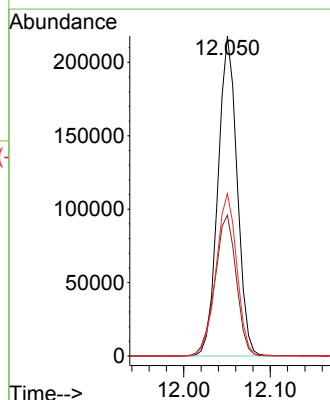
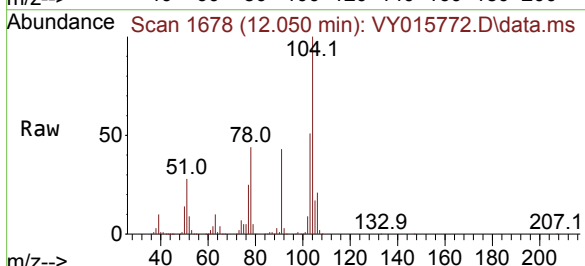
Tgt Ion:104 Resp: 334845

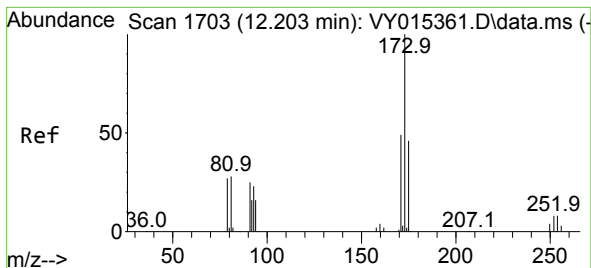
Ion Ratio Lower Upper

104 100

78 49.2 41.5 62.3

103 54.9 44.6 67.0





#71

Bromoform

Concen: 52.335 ug/l

RT: 12.215 min Scan# 1705

Delta R.T. 0.006 min

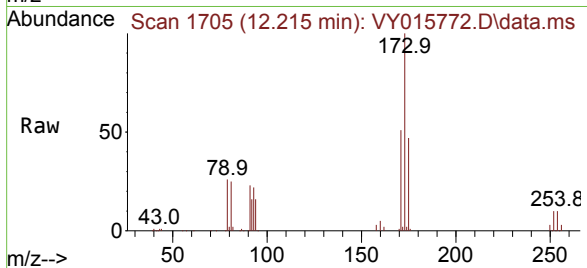
Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

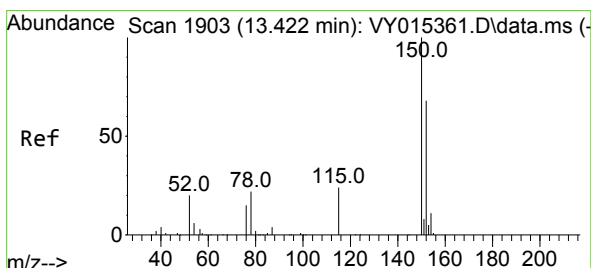
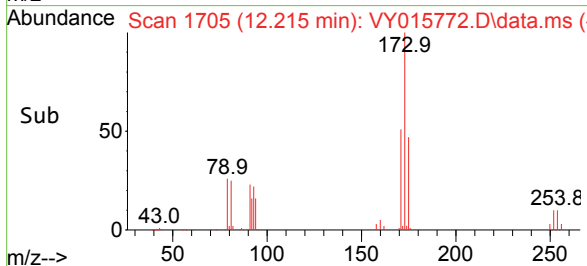
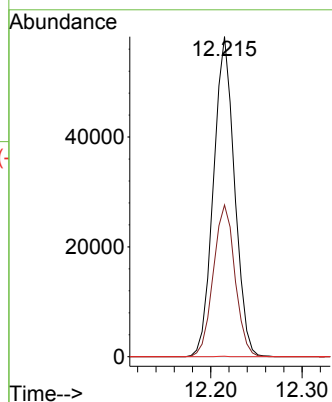
Instrument :

MSVOA\_Y

ClientSampleId :



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 93117     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 48.8  | 24.6 73.8 |
| 254         | 0.1   | 0.2 0.2#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

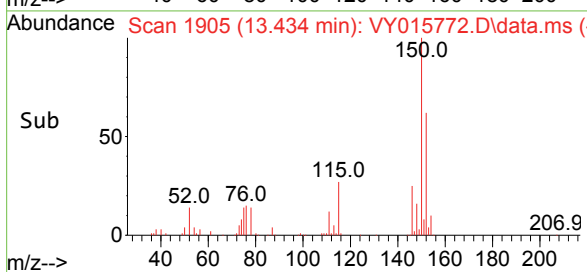
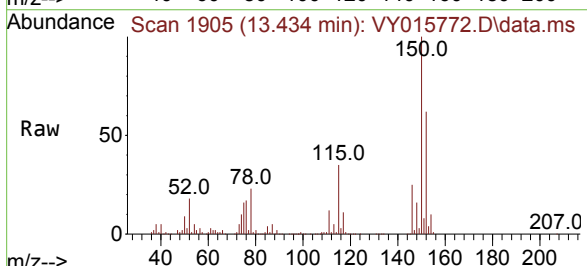
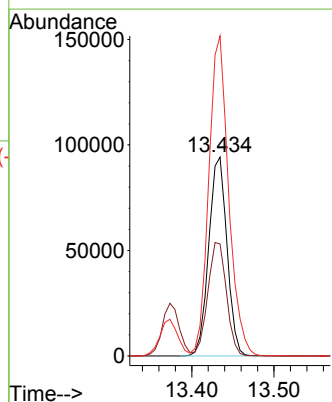
RT: 13.434 min Scan# 1905

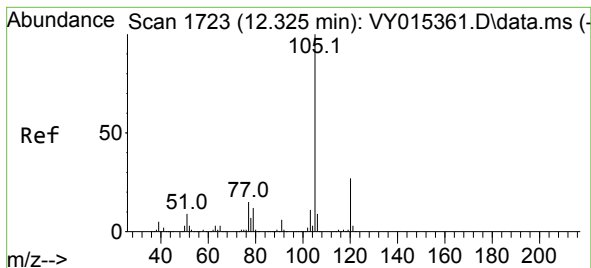
Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 145868    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 58.4  | 28.8 86.5 |
| 150         | 174.5 | 0.0 348.8 |





#73

Isopropylbenzene

Concen: 46.487 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

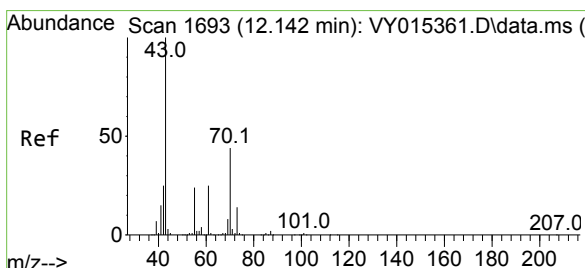
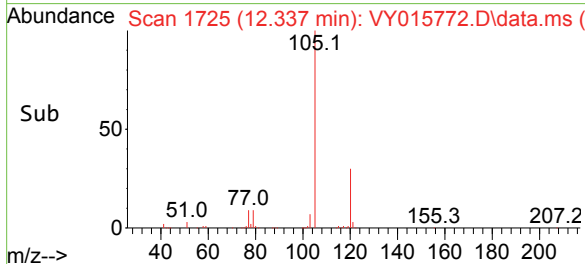
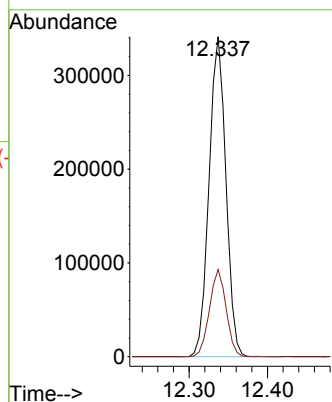
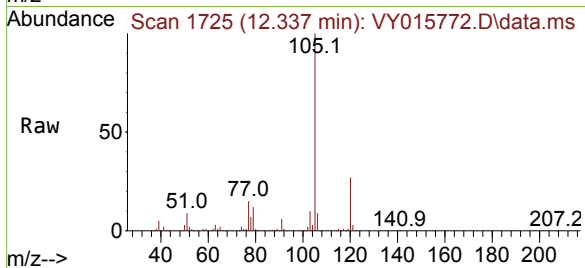
ClientSampleId :

Tgt Ion:105 Resp: 508683

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 49.871 ug/l

RT: 12.148 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Tgt Ion: 43 Resp: 205108

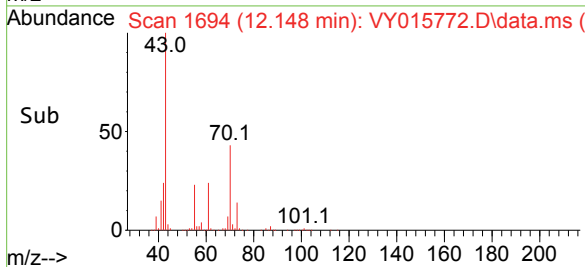
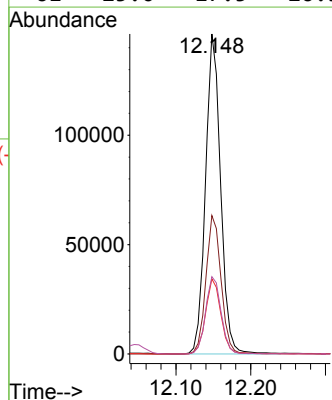
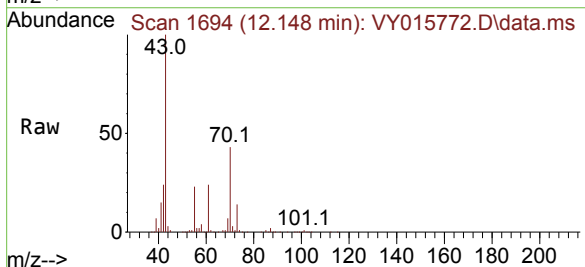
Ion Ratio Lower Upper

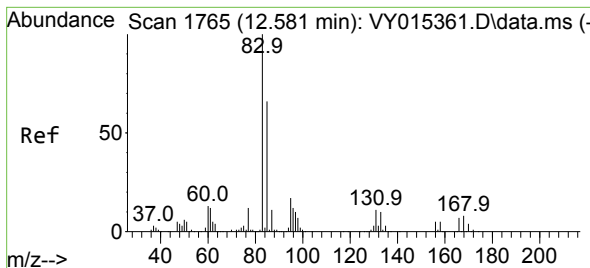
43 100

70 43.5 29.7 44.5

55 24.0 18.3 27.5

61 25.0 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.311 ug/l

RT: 12.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

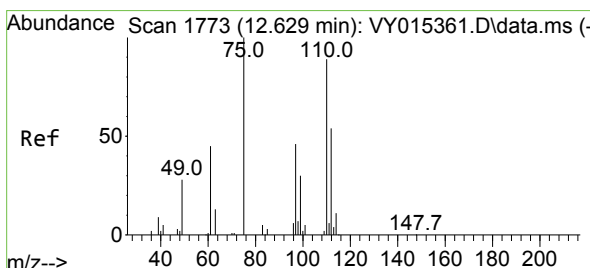
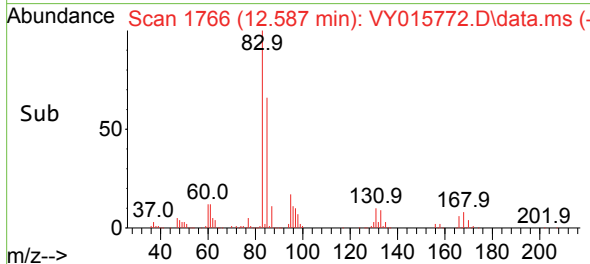
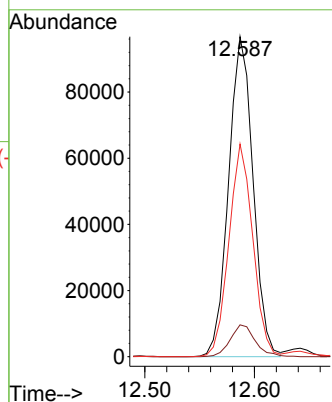
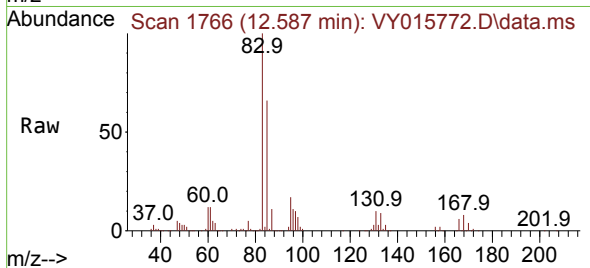
Tgt Ion: 83 Resp: 150172

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

85 65.0 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 87.576 ug/l

RT: 12.642 min Scan# 1775

Delta R.T. 0.013 min

Lab File: VY015772.D

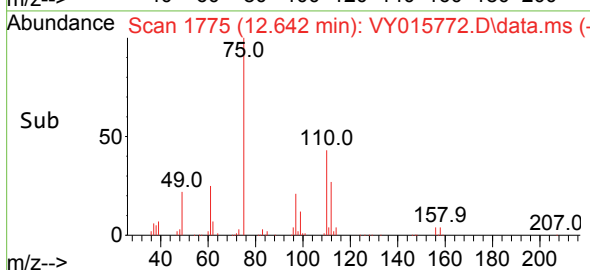
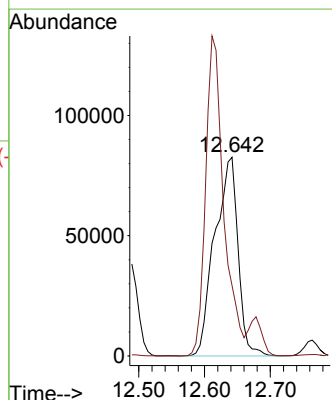
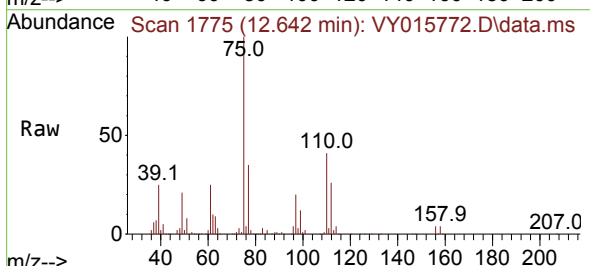
Acq: 29 Sep 2023 22:32

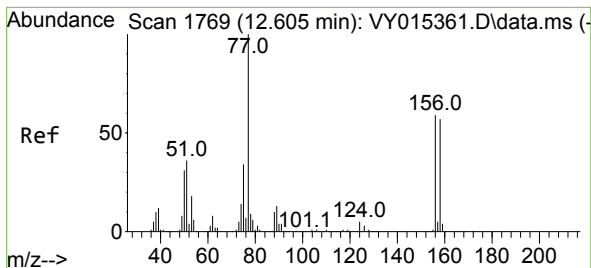
Tgt Ion: 75 Resp: 203797

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.458 ug/l

RT: 12.617 min Scan# 1771

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

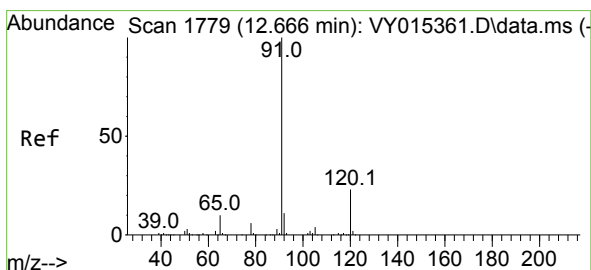
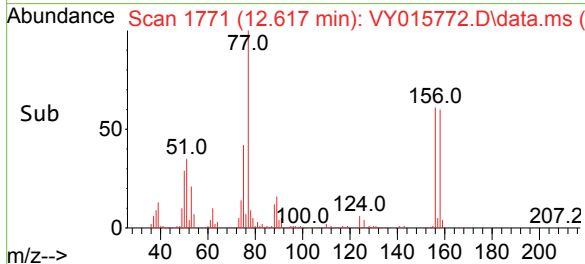
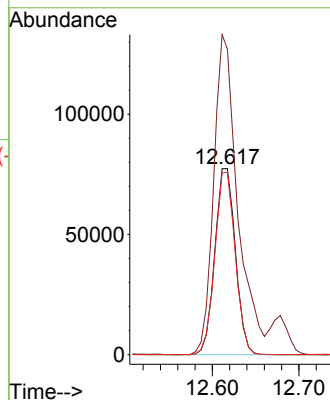
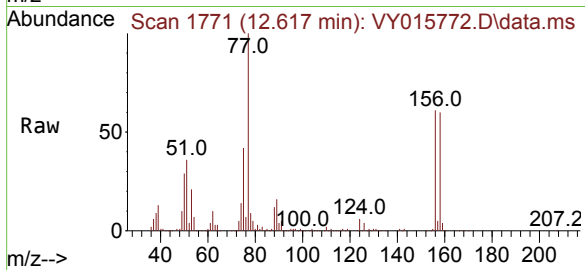
Tgt Ion:156 Resp: 127475

Ion Ratio Lower Upper

156 100

77 199.7 92.8 278.6

158 97.4 48.4 145.3



#78

n-propylbenzene

Concen: 46.026 ug/l

RT: 12.678 min Scan# 1781

Delta R.T. 0.012 min

Lab File: VY015772.D

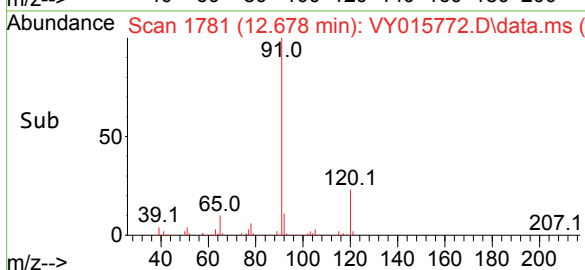
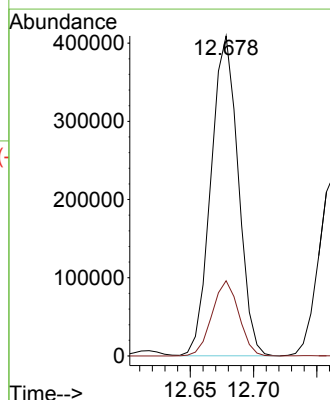
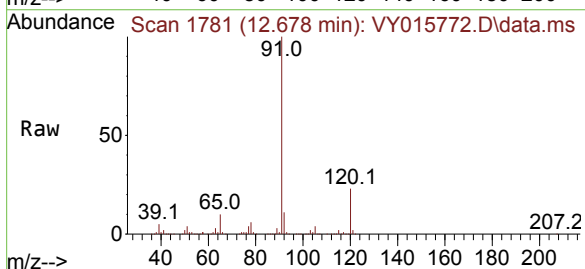
Acq: 29 Sep 2023 22:32

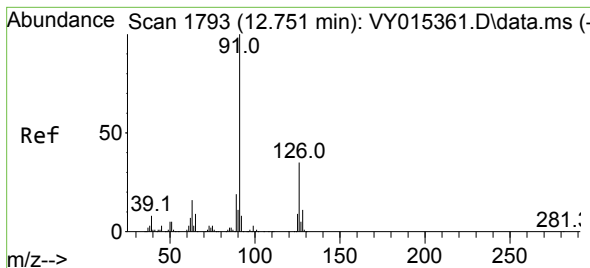
Tgt Ion: 91 Resp: 611861

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

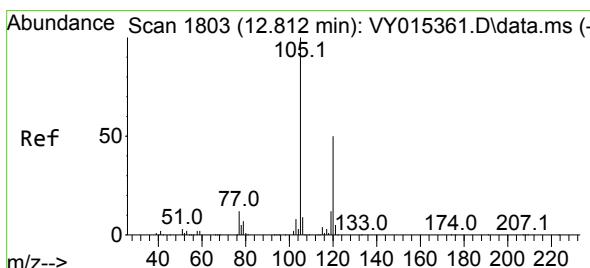
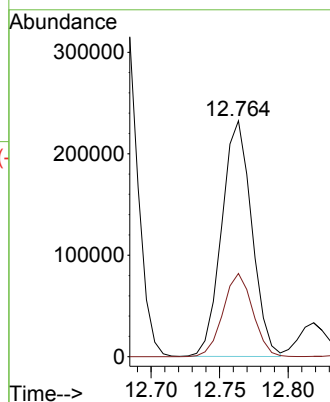
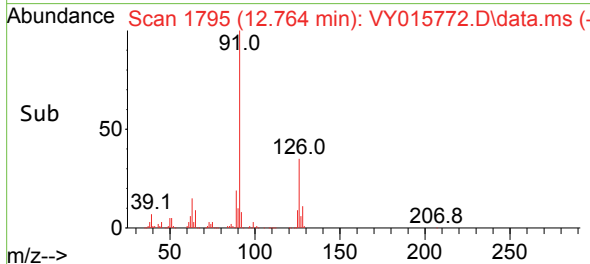
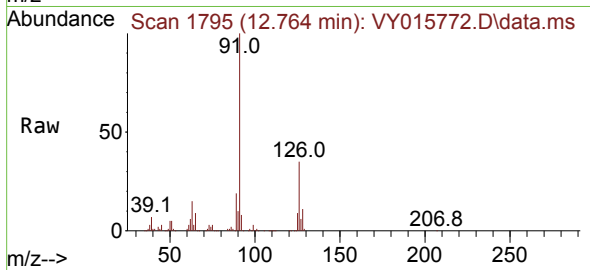




#79  
2-Chlorotoluene  
Concen: 46.867 ug/l  
RT: 12.764 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

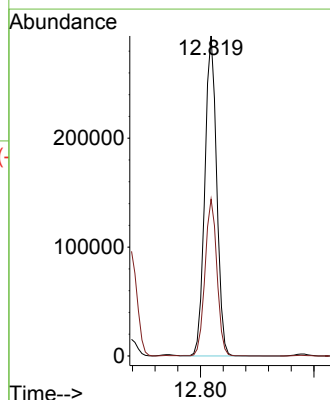
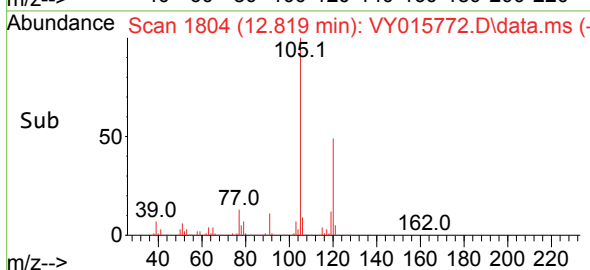
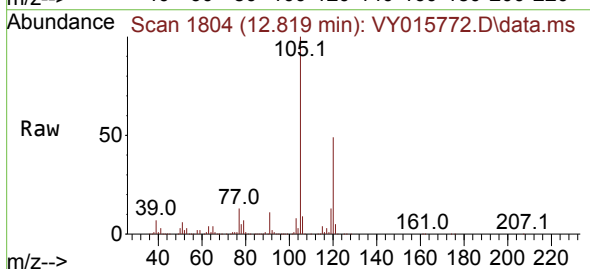
Instrument :  
MSVOA\_Y  
ClientSampleId :

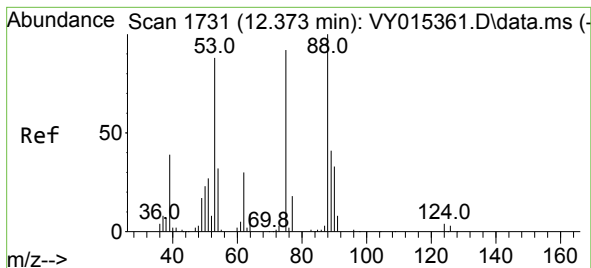
Tgt Ion: 91 Resp: 355145  
Ion Ratio Lower Upper  
91 100  
126 34.8 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 46.751 ug/l  
RT: 12.819 min Scan# 1804  
Delta R.T. 0.007 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion:105 Resp: 428280  
Ion Ratio Lower Upper  
105 100  
120 49.1 23.9 71.7

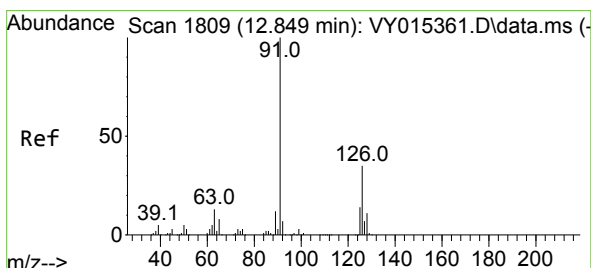
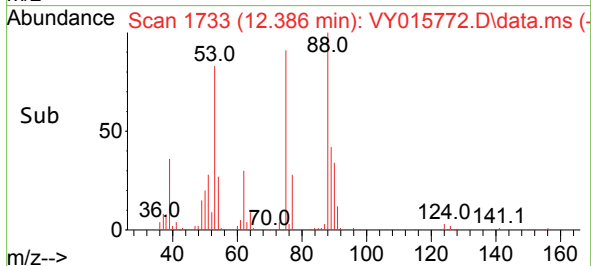
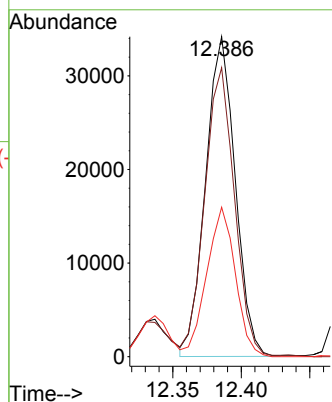
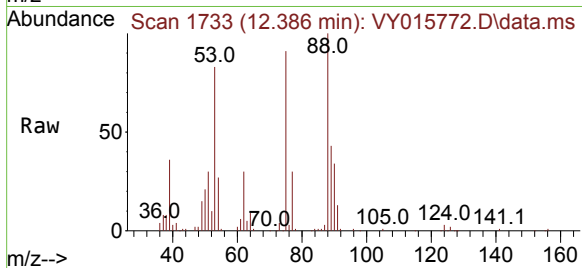




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.801 ug/l  
RT: 12.386 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

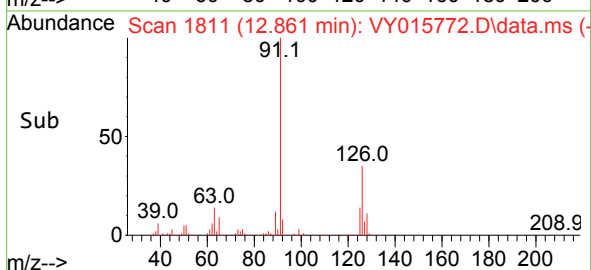
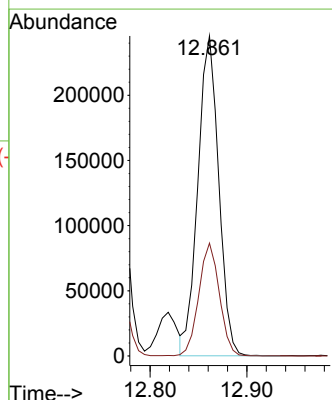
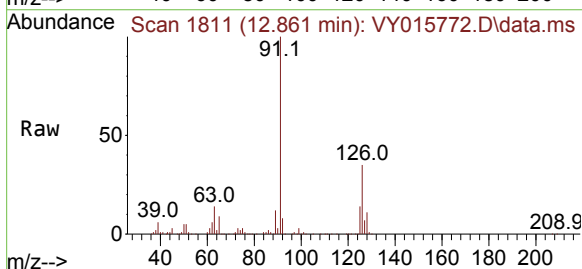
Instrument :  
MSVOA\_Y  
ClientSampleId :

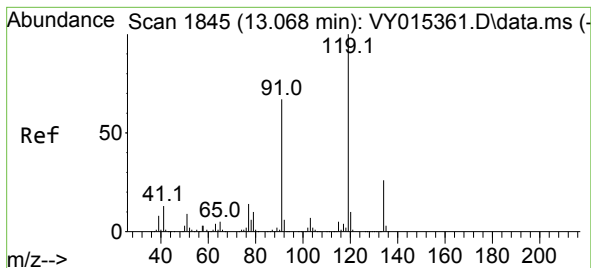
Tgt Ion: 75 Resp: 51464  
Ion Ratio Lower Upper  
75 100  
53 90.9 77.8 116.8  
89 45.2 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 46.353 ug/l  
RT: 12.861 min Scan# 1811  
Delta R.T. 0.012 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 91 Resp: 366679  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.2 51.6





#83

tert-Butylbenzene

Concen: 47.828 ug/l

RT: 13.081 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

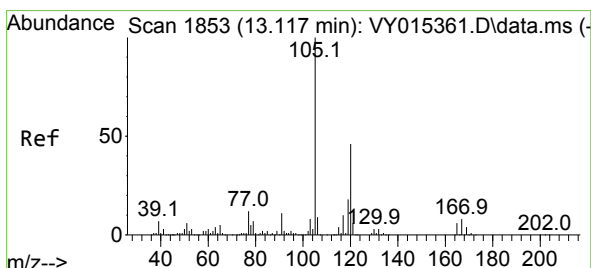
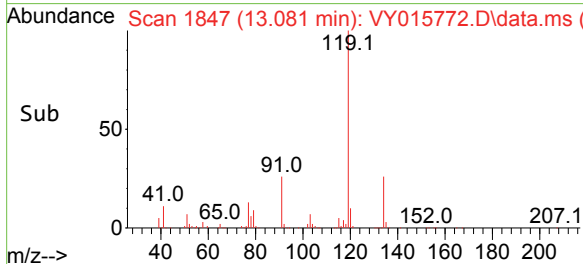
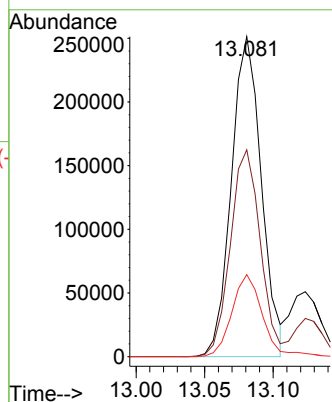
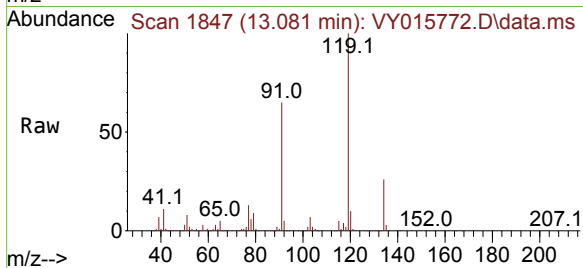
Tgt Ion:119 Resp: 383744

Ion Ratio Lower Upper

119 100

91 64.2 32.9 98.6

134 26.2 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 47.234 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015772.D

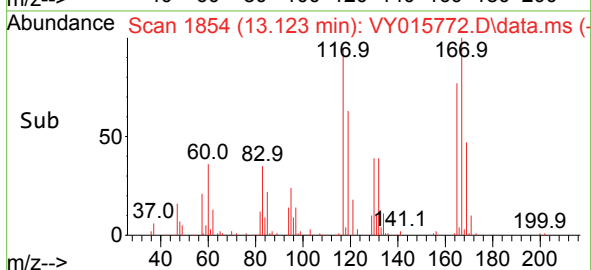
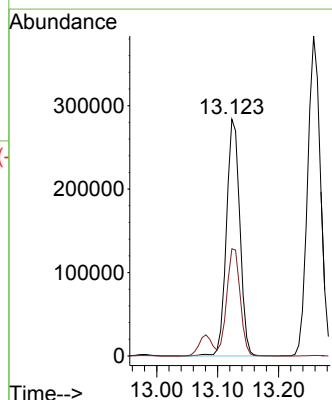
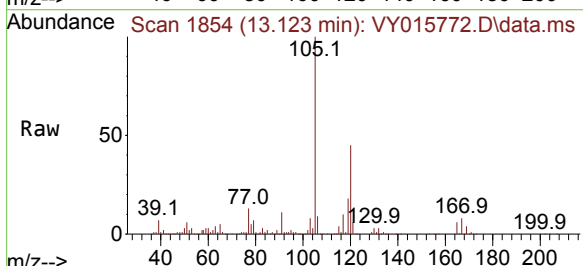
Acq: 29 Sep 2023 22:32

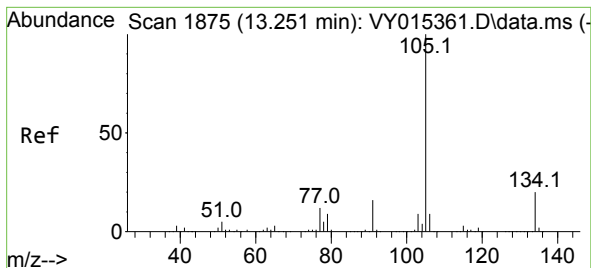
Tgt Ion:105 Resp: 432947

Ion Ratio Lower Upper

105 100

120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 46.994 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.007 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

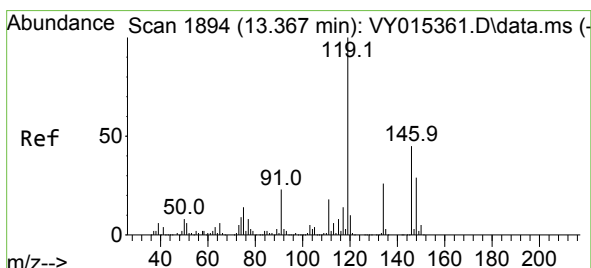
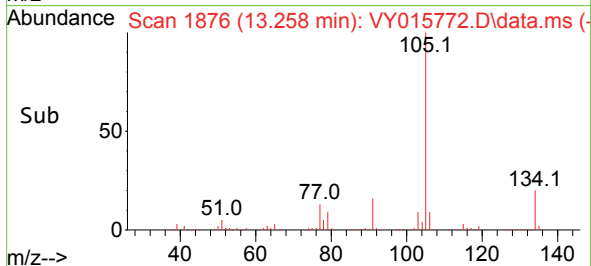
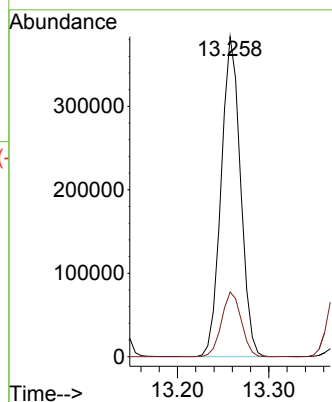
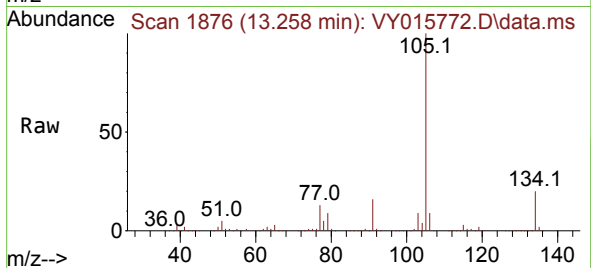
ClientSampleId :

Tgt Ion:105 Resp: 564266

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



#86

p-Isopropyltoluene

Concen: 46.954 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

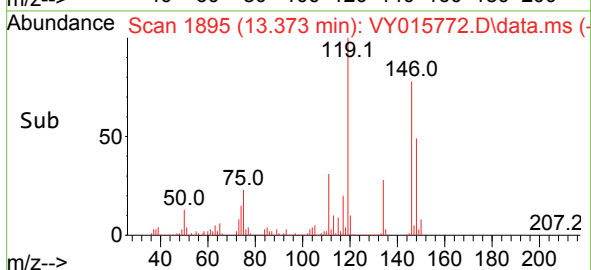
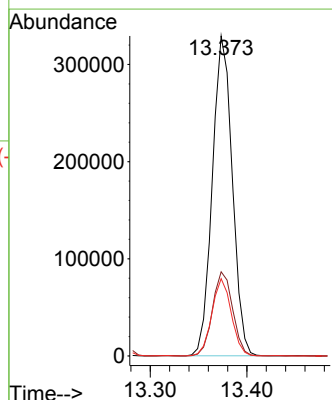
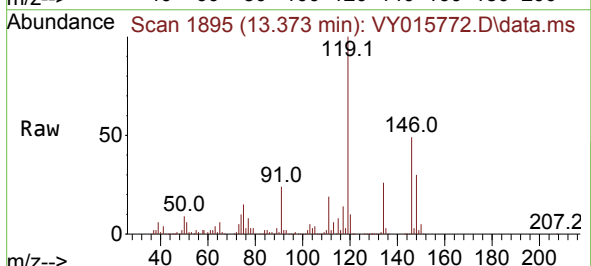
Tgt Ion:119 Resp: 470944

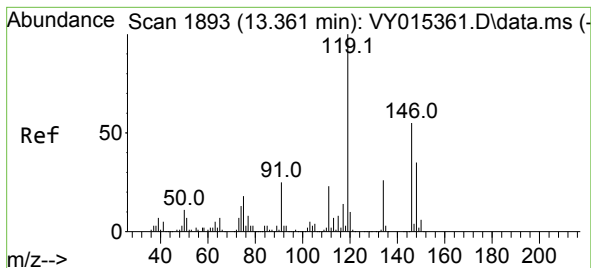
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 23.4 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 47.034 ug/l

RT: 13.373 min Scan# 1893

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

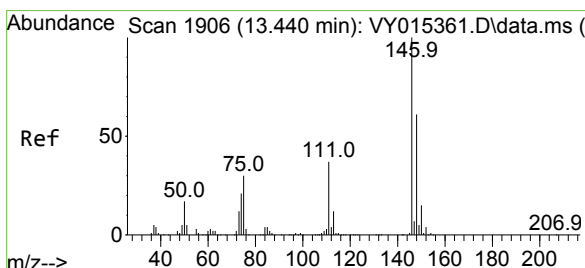
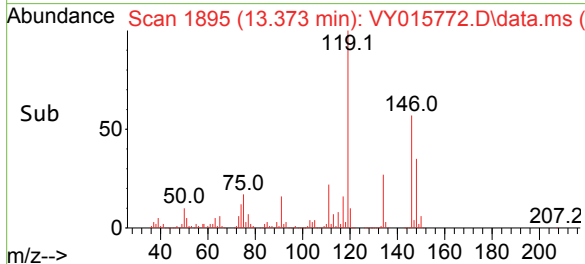
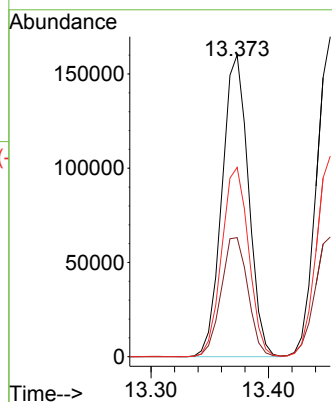
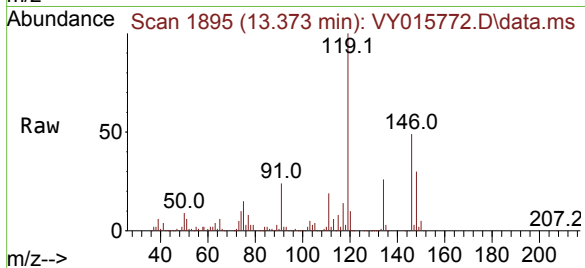
Tgt Ion:146 Resp: 250636

Ion Ratio Lower Upper

146 100

111 40.0 19.4 58.2

148 63.8 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 47.330 ug/l

RT: 13.453 min Scan# 1908

Delta R.T. 0.007 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

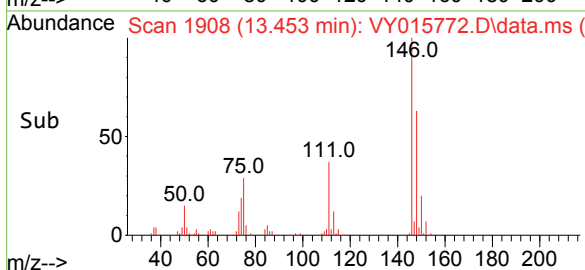
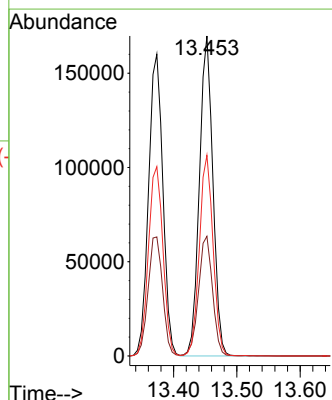
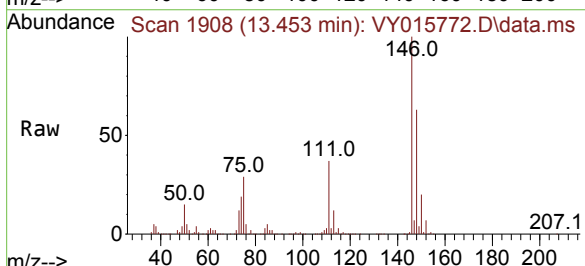
Tgt Ion:146 Resp: 252243

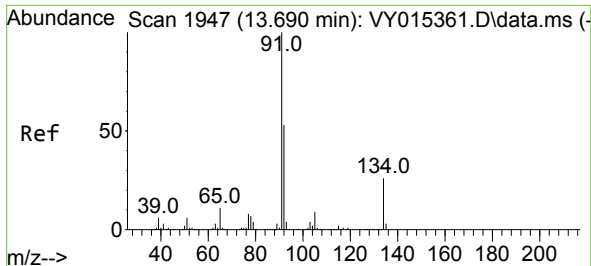
Ion Ratio Lower Upper

146 100

111 39.1 18.9 56.7

148 63.7 32.1 96.5

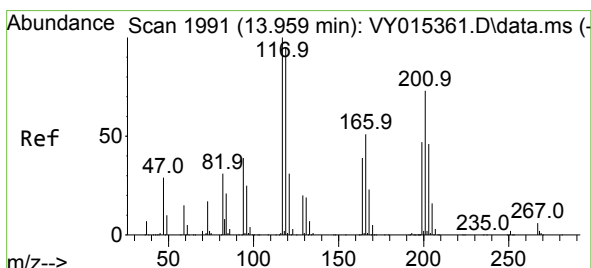
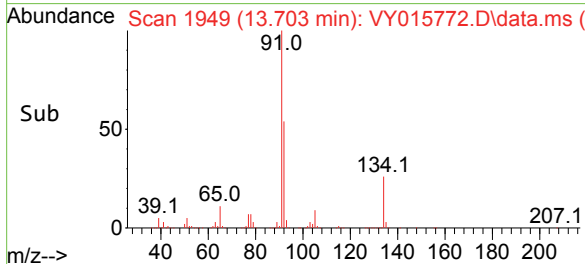
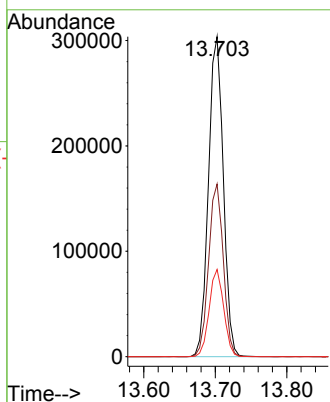
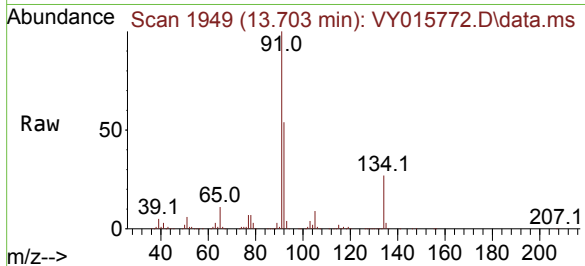




#89  
n-Butylbenzene  
Concen: 46.090 ug/l  
RT: 13.703 min Scan# 1949  
Delta R.T. 0.007 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

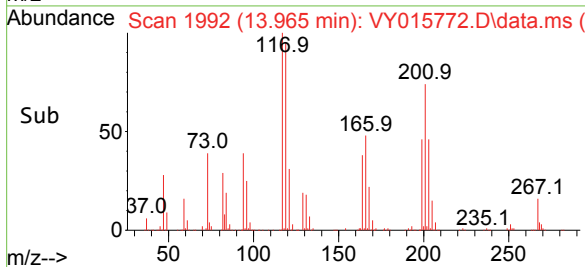
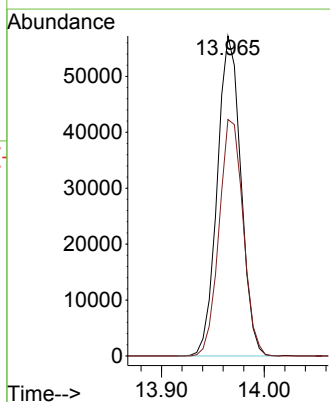
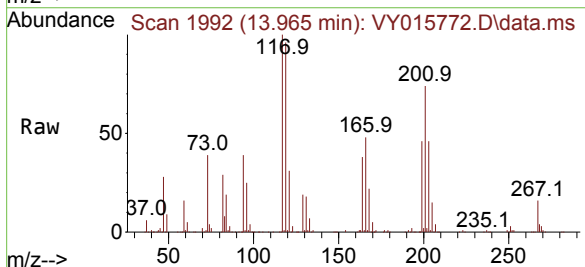
Instrument :  
MSVOA\_Y  
ClientSampleId :

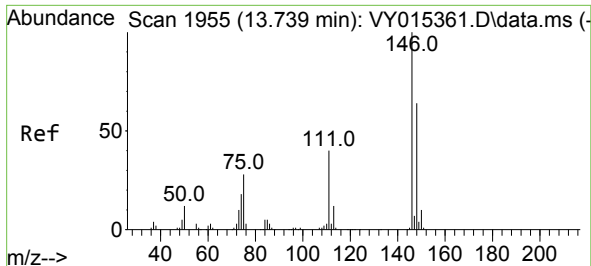
Tgt Ion: 91 Resp: 437747  
Ion Ratio Lower Upper  
91 100  
92 53.5 25.4 76.0  
134 26.7 12.6 37.6



#90  
Hexachloroethane  
Concen: 47.081 ug/l  
RT: 13.965 min Scan# 1992  
Delta R.T. 0.006 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 117 Resp: 91137  
Ion Ratio Lower Upper  
117 100  
201 75.3 41.6 124.8

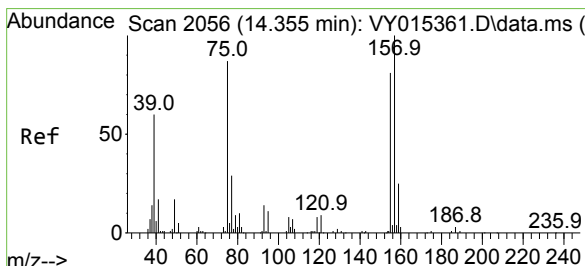
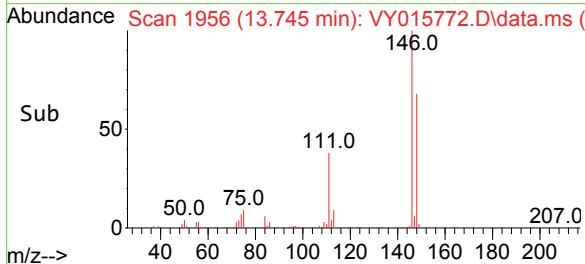
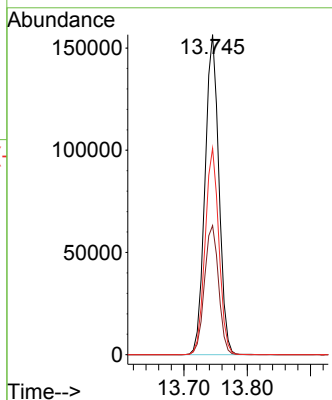
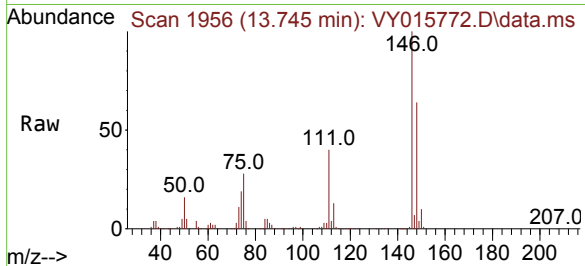




#91  
1,2-Dichlorobenzene  
Concen: 48.562 ug/l  
RT: 13.745 min Scan# 1955  
Delta R.T. 0.006 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

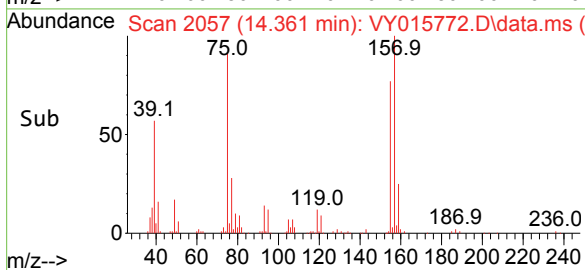
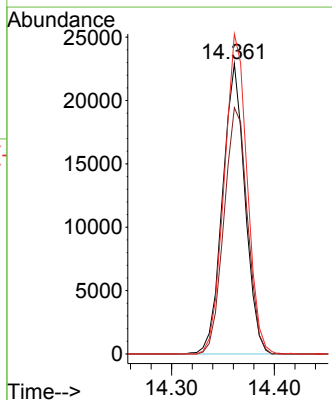
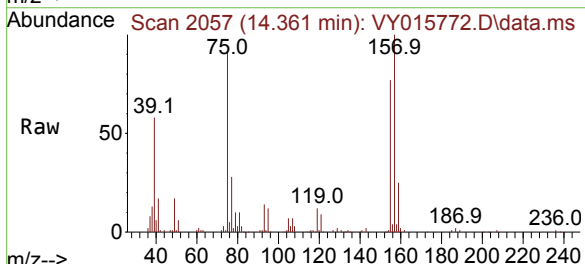
Instrument :  
MSVOA\_Y  
ClientSampleId :

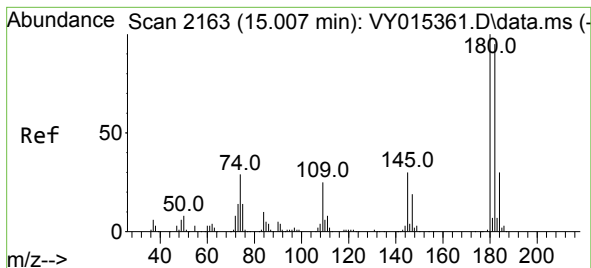
Tgt Ion:146 Resp: 238882  
Ion Ratio Lower Upper  
146 100  
111 41.2 19.7 59.0  
148 64.0 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 57.416 ug/l  
RT: 14.361 min Scan# 2057  
Delta R.T. 0.006 min  
Lab File: VY015772.D  
Acq: 29 Sep 2023 22:32

Tgt Ion: 75 Resp: 34728  
Ion Ratio Lower Upper  
75 100  
155 88.8 41.5 124.6  
157 112.6 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 48.516 ug/l

RT: 15.013 min Scan# 2163

Delta R.T. 0.012 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

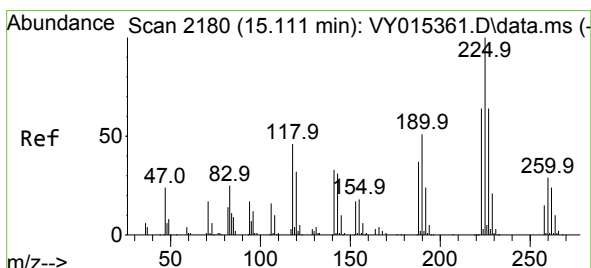
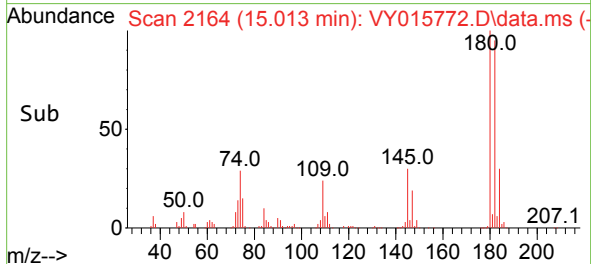
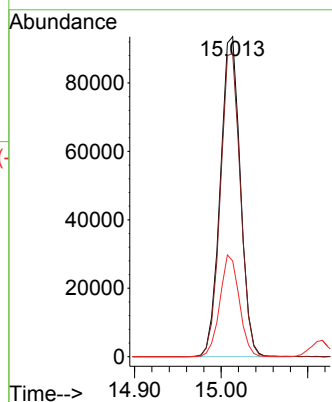
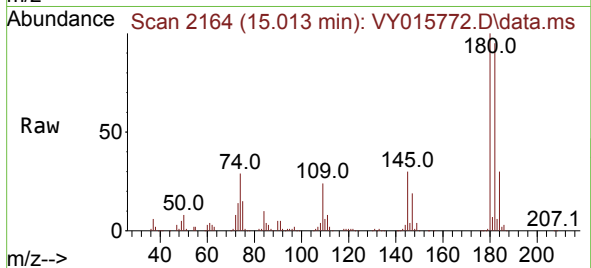
Tgt Ion:180 Resp: 150245

Ion Ratio Lower Upper

180 100

182 95.0 47.0 141.2

145 30.8 14.5 43.5



#94

Hexachlorobutadiene

Concen: 48.371 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

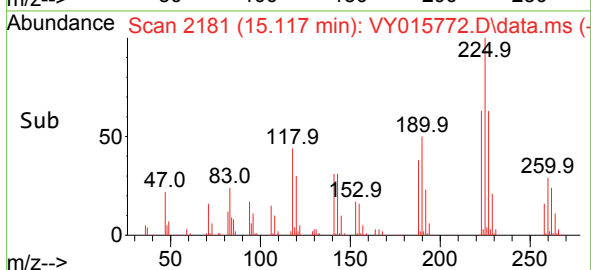
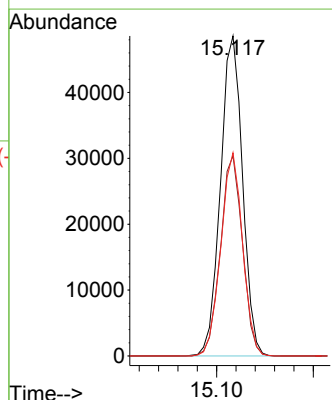
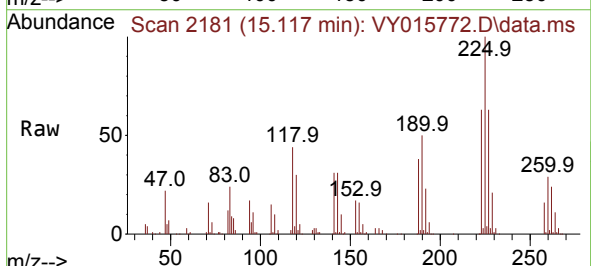
Tgt Ion:225 Resp: 76711

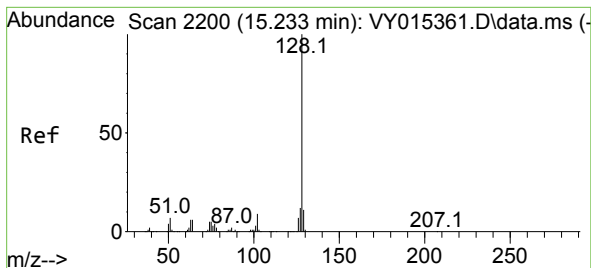
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.9

227 62.6 33.0 98.9





#95

Naphthalene

Concen: 61.423 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Instrument :

MSVOA\_Y

ClientSampleId :

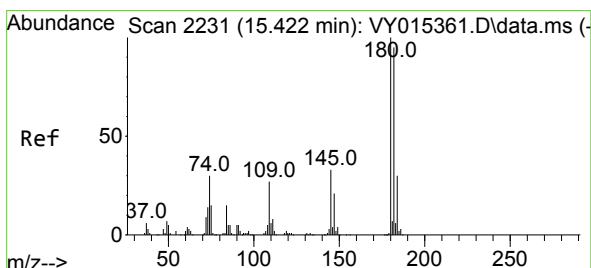
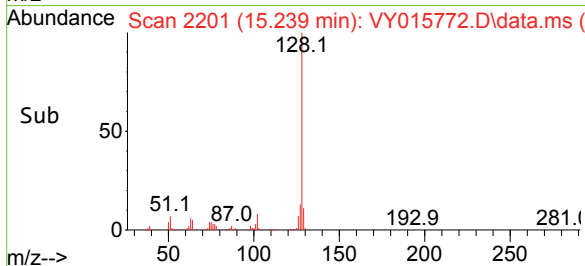
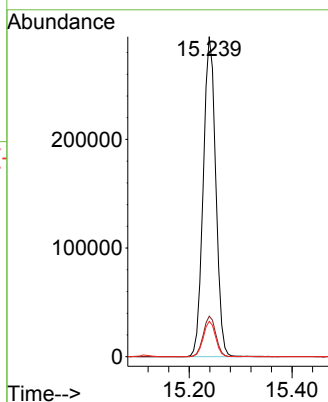
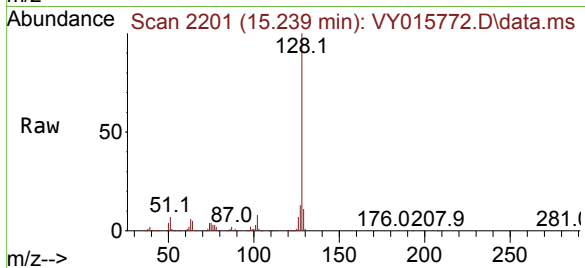
Tgt Ion:128 Resp: 495988

Ion Ratio Lower Upper

128 100

127 12.7 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 50.100 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.006 min

Lab File: VY015772.D

Acq: 29 Sep 2023 22:32

Tgt Ion:180 Resp: 143201

Ion Ratio Lower Upper

180 100

182 94.9 47.3 141.8

145 31.6 15.4 46.2

