

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100523\  
 Data File : VY015847.D  
 Acq On : 05 Oct 2023 14:01  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 06 05:19:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100523S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 05:15:27 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 210238   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 352809   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 323258   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 162505   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 208118   | 100.618  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 201.240%# |      |
| 35) Dibromofluoromethane    | 7.716  | 113   | 199596   | 99.251   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 198.500%# |      |
| 50) Toluene-d8              | 10.179 | 98    | 671556   | 102.854  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 205.700%# |      |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 264612   | 99.149   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 198.300%# |      |

|                              |       |     |         |         |        |    |
|------------------------------|-------|-----|---------|---------|--------|----|
| Target Compounds             |       |     |         |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.906 | 85  | 95790   | 99.075  | ug/l   | 98 |
| 3) Chloromethane             | 2.107 | 50  | 114683  | 106.735 | ug/l   | 99 |
| 4) Vinyl Chloride            | 2.241 | 62  | 140108  | 103.531 | ug/l   | 99 |
| 5) Bromomethane              | 2.644 | 94  | 82266   | 96.493  | ug/l   | 98 |
| 6) Chloroethane              | 2.778 | 64  | 93187   | 96.405  | ug/l   | 97 |
| 7) Trichlorofluoromethane    | 3.107 | 101 | 259727  | 98.921  | ug/l   | 99 |
| 8) Diethyl Ether             | 3.521 | 74  | 118769  | 103.754 | ug/l   | 89 |
| 9) 1,1,2-Trichlorotrifluo... | 3.887 | 101 | 165543  | 96.730  | ug/l   | 95 |
| 10) Methyl Iodide            | 4.082 | 142 | 177944  | 100.171 | ug/l   | 96 |
| 11) Tert butyl alcohol       | 4.991 | 59  | 222453  | 491.427 | ug/l # | 83 |
| 12) 1,1-Dichloroethene       | 3.863 | 96  | 141027  | 103.041 | ug/l   | 92 |
| 13) Acrolein                 | 3.729 | 56  | 86744   | 543.594 | ug/l   | 99 |
| 14) Allyl chloride           | 4.473 | 41  | 266746  | 103.377 | ug/l   | 92 |
| 15) Acrylonitrile            | 5.161 | 53  | 439219  | 491.874 | ug/l   | 98 |
| 16) Acetone                  | 3.954 | 43  | 486749  | 454.220 | ug/l   | 93 |
| 17) Carbon Disulfide         | 4.186 | 76  | 233932  | 97.754  | ug/l   | 98 |
| 18) Methyl Acetate           | 4.479 | 43  | 364556  | 104.528 | ug/l   | 93 |
| 19) Methyl tert-butyl Ether  | 5.216 | 73  | 657439  | 101.628 | ug/l   | 99 |
| 20) Methylene Chloride       | 4.710 | 84  | 203942  | 95.380  | ug/l   | 90 |
| 21) trans-1,2-Dichloroethene | 5.210 | 96  | 165558  | 105.014 | ug/l   | 97 |
| 22) Diisopropyl ether        | 6.119 | 45  | 675403  | 100.802 | ug/l   | 93 |
| 23) Vinyl Acetate            | 6.058 | 43  | 2058658 | 507.631 | ug/l # | 94 |
| 24) 1,1-Dichloroethane       | 6.009 | 63  | 354911  | 99.750  | ug/l   | 98 |
| 25) 2-Butanone               | 6.990 | 43  | 696964  | 472.821 | ug/l   | 95 |
| 26) 2,2-Dichloropropane      | 6.972 | 77  | 318931  | 96.460  | ug/l   | 98 |
| 27) cis-1,2-Dichloroethene   | 6.978 | 96  | 231977  | 101.791 | ug/l   | 94 |
| 28) Bromochloromethane       | 7.332 | 49  | 199542  | 95.899  | ug/l   | 93 |
| 29) Tetrahydrofuran          | 7.350 | 42  | 418749  | 509.116 | ug/l   | 92 |
| 30) Chloroform               | 7.502 | 83  | 392703  | 98.664  | ug/l   | 97 |
| 31) Cyclohexane              | 7.777 | 56  | 224788  | 96.415  | ug/l   | 94 |
| 32) 1,1,1-Trichloroethane    | 7.698 | 97  | 323814  | 99.518  | ug/l   | 98 |
| 36) 1,1-Dichloropropene      | 7.911 | 75  | 243813  | 101.623 | ug/l   | 99 |
| 37) Ethyl Acetate            | 7.076 | 43  | 266072  | 99.100  | ug/l # | 95 |
| 38) Carbon Tetrachloride     | 7.893 | 117 | 278853  | 98.848  | ug/l   | 98 |
| 39) Methylcyclohexane        | 9.179 | 83  | 266168  | 103.733 | ug/l   | 94 |
| 40) Benzene                  | 8.155 | 78  | 764077  | 101.492 | ug/l   | 99 |

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 Sample : VSTDIC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 06 05:19:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100523S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 06 05:15:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.301  | 41   | 134060   | 106.837  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 269691   | 99.493   | ug/l   | 93       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 463005   | 100.191  | ug/l   | 96       |
| 44) Trichloroethene           | 8.935  | 130  | 219024   | 99.408   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 217232   | 97.554   | ug/l   | 96       |
| 46) Dibromomethane            | 9.301  | 93   | 144214   | 101.300  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.496  | 83   | 327751   | 99.183   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.289  | 41   | 204236   | 101.191  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 9.313  | 88   | 65856    | 2065.113 | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 1435410  | 496.523  | ug/l   | 91       |
| 52) Toluene                   | 10.240 | 92   | 500091   | 101.526  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 359354   | 103.640  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 375147   | 101.917  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 218083   | 97.510   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 338011   | 104.235  | ug/l # | 86       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 359014   | 100.407  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 975881   | 516.471  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 1108939  | 494.337  | ug/l   | 89       |
| 60) Dibromochloromethane      | 10.984 | 129  | 260207   | 100.729  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 209962   | 100.455  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 226666   | 99.758   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.514 | 112  | 584205   | 97.723   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 240429   | 97.816   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 1024420  | 100.118  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.703 | 106  | 779936   | 200.519  | ug/l   | 95       |
| 69) o-Xylene                  | 12.026 | 106  | 389947   | 100.792  | ug/l   | 97       |
| 70) Styrene                   | 12.044 | 104  | 684880   | 101.403  | ug/l   | 96       |
| 71) Bromoform                 | 12.209 | 173  | 185233   | 101.064  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 1029711  | 97.817   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 412118   | 101.312  | ug/l # | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 305473   | 98.236   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 397570   | 165.266  | ug/l # | 100      |
| 77) Bromobenzene              | 12.611 | 156  | 255640   | 98.165   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.672 | 91   | 1237251  | 98.124   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 712884   | 98.178   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.813 | 105  | 861310   | 98.177   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 107772   | 103.706  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 744855   | 98.010   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.075 | 119  | 769779   | 95.991   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 869096   | 98.609   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 1137719  | 96.702   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 955775   | 97.553   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 504402   | 96.737   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.447 | 146  | 504690   | 95.733   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.696 | 91   | 907407   | 97.331   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.959 | 117  | 188878   | 98.766   | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 475001   | 96.731   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 61854    | 99.132   | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 317237   | 99.257   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 157350   | 94.484   | ug/l   | 98       |
| 95) Naphthalene               | 15.233 | 128  | 865935   | 101.607  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 293667   | 98.065   | ug/l   | 99       |

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Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

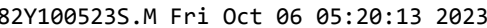
Instrument :  
MSVOA\_Y  
ClientSampleId :

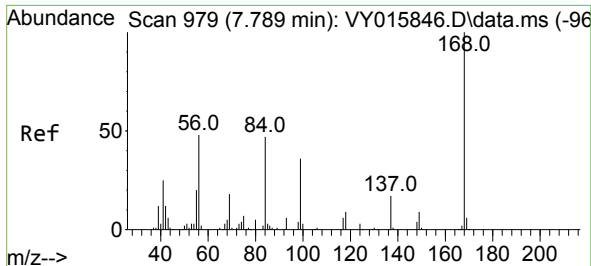
Quant Time: Oct 06 05:19:59 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100523S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 06 05:15:27 2023  
Response via : Initial Calibration

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

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

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Quant Title : SW846 8260  
QLast Update : Fri Oct 06 05:15:27 2023  
Response via : Initial Calibration

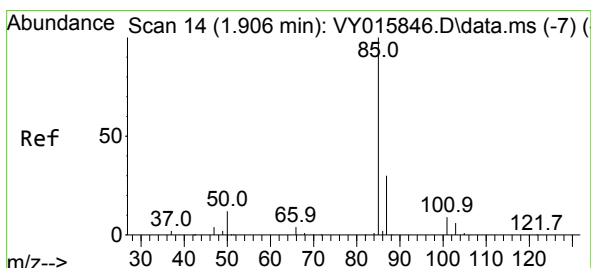
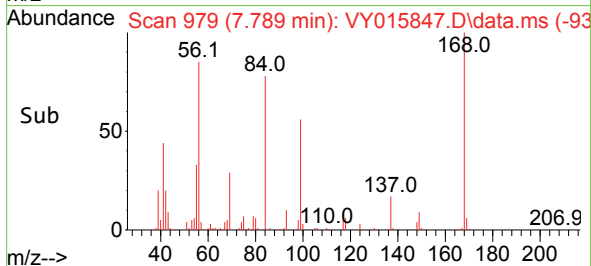
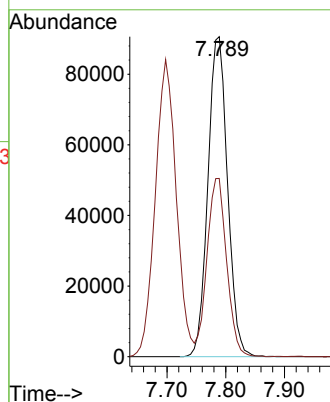
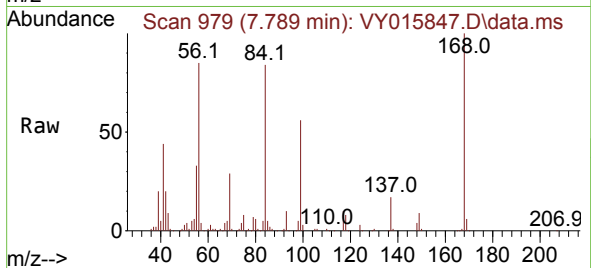




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

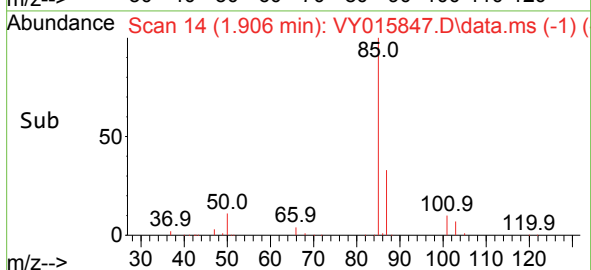
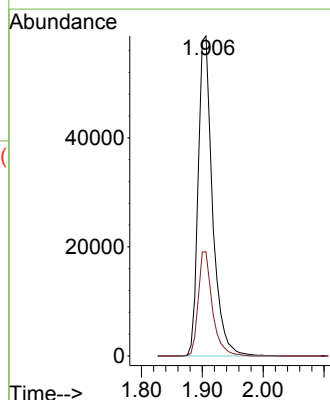
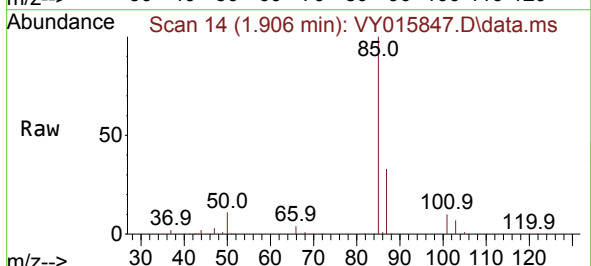
Instrument :  
MSVOA\_Y  
ClientSampleId :

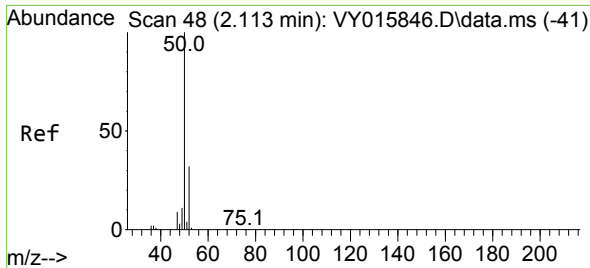
Tgt Ion:168 Resp: 210238  
Ion Ratio Lower Upper  
168 100  
99 55.6 43.4 65.0



#2  
Dichlorodifluoromethane  
Concen: 99.075 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 85 Resp: 95790  
Ion Ratio Lower Upper  
85 100  
87 32.5 15.6 46.8

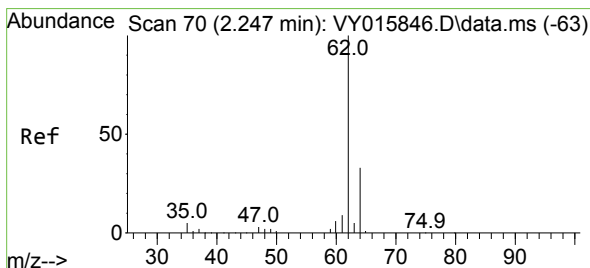
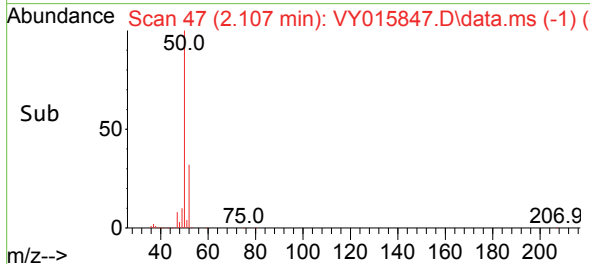
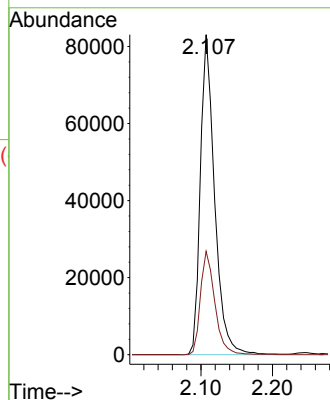
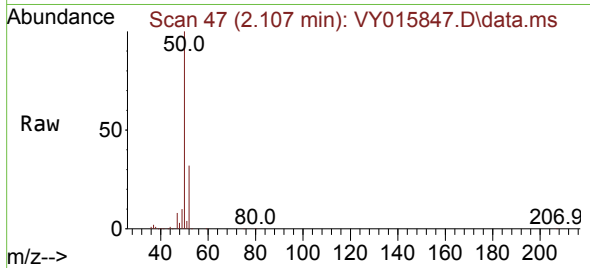




#3  
Chloromethane  
Concen: 106.735 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

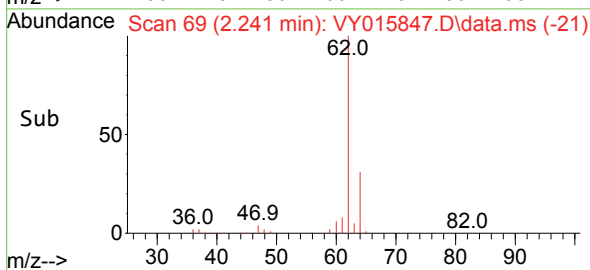
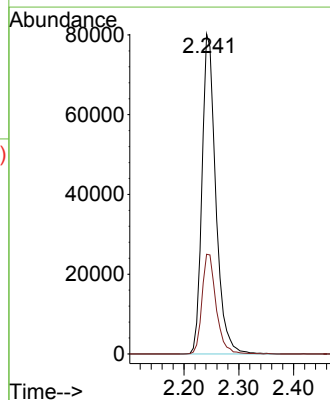
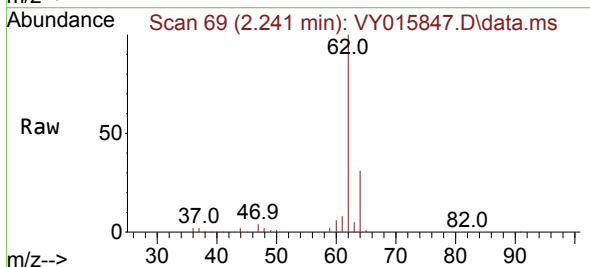
Instrument :  
MSVOA\_Y  
ClientSampleId :

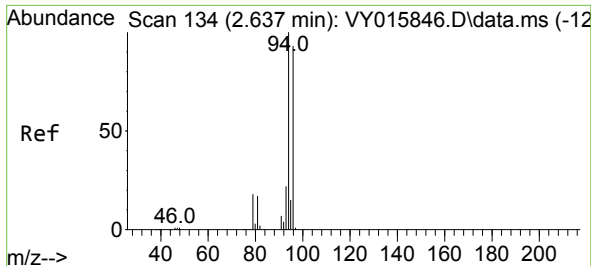
Tgt Ion: 50 Resp: 114683  
Ion Ratio Lower Upper  
50 100  
52 32.3 25.4 38.2



#4  
Vinyl Chloride  
Concen: 103.531 ug/l  
RT: 2.241 min Scan# 69  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 62 Resp: 140108  
Ion Ratio Lower Upper  
62 100  
64 31.2 24.3 36.5

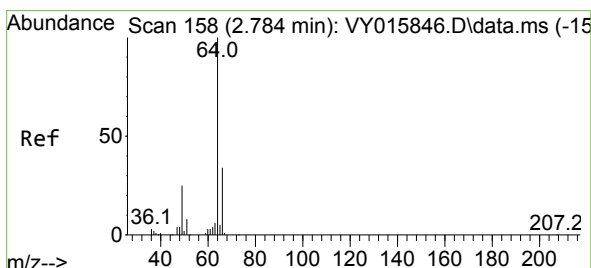
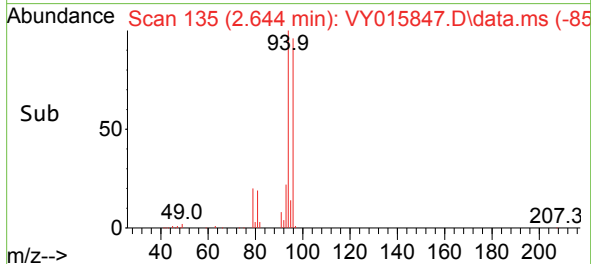
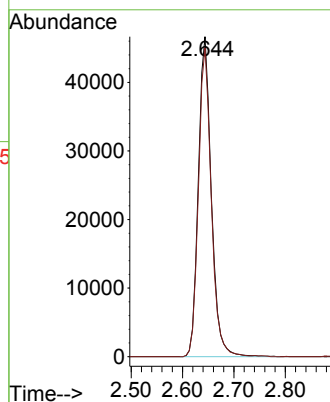
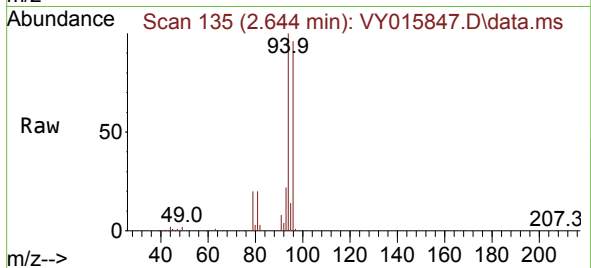




#5  
Bromomethane  
Concen: 96.493 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

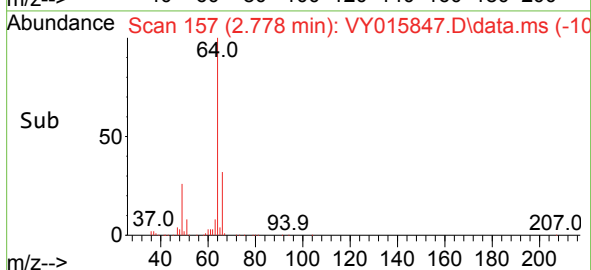
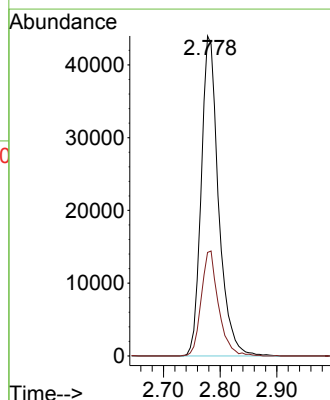
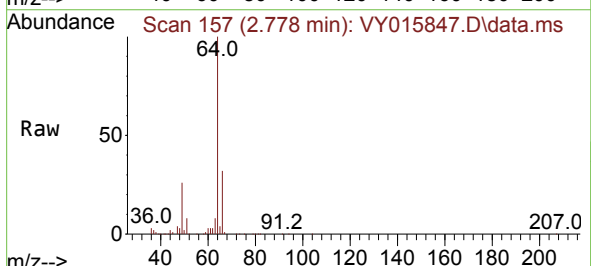
Instrument :  
MSVOA\_Y  
ClientSampleId :

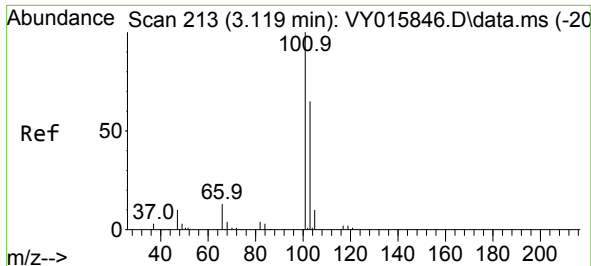
Tgt Ion: 94 Resp: 82266  
Ion Ratio Lower Upper  
94 100  
96 96.5 75.8 113.6



#6  
Chloroethane  
Concen: 96.405 ug/l  
RT: 2.778 min Scan# 157  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

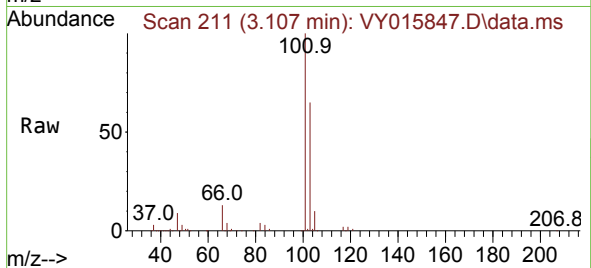
Tgt Ion: 64 Resp: 93187  
Ion Ratio Lower Upper  
64 100  
66 32.3 24.4 36.6



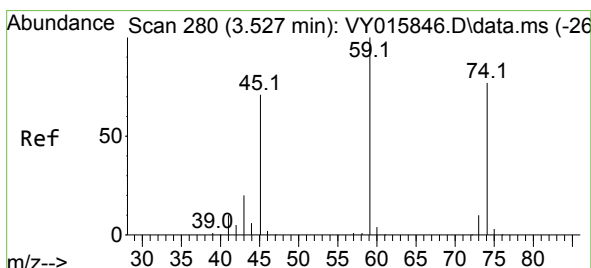
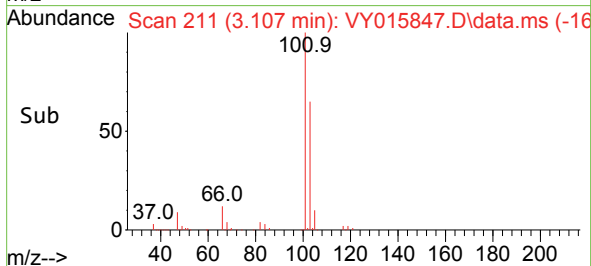
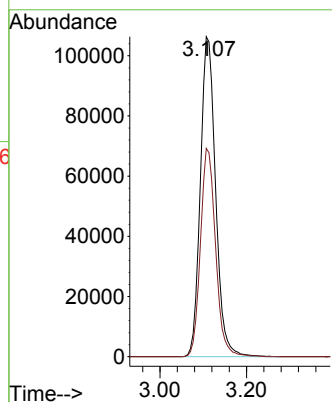


#7  
 Trichlorofluoromethane  
 Concen: 98.921 ug/l  
 RT: 3.107 min Scan# 213  
 Delta R.T. -0.012 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

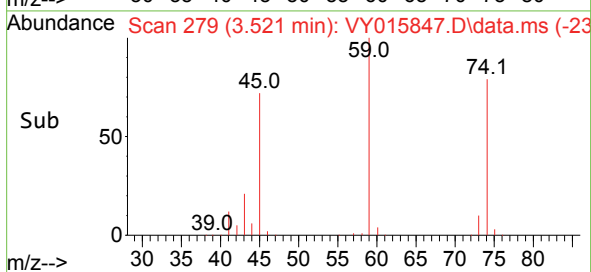
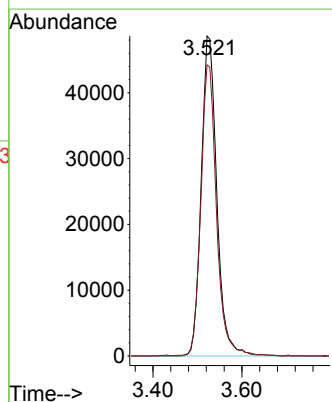
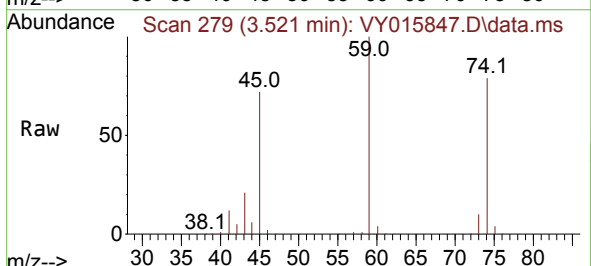


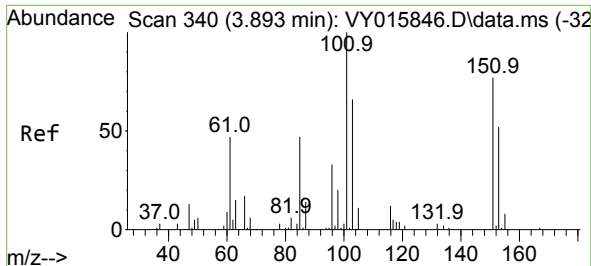
Tgt Ion:101 Resp: 259727  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 103.754 ug/l  
 RT: 3.521 min Scan# 279  
 Delta R.T. -0.006 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

Tgt Ion: 74 Resp: 118769  
 Ion Ratio Lower Upper  
 74 100  
 45 91.6 51.5 154.5

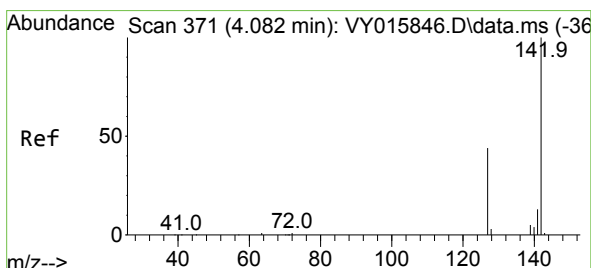
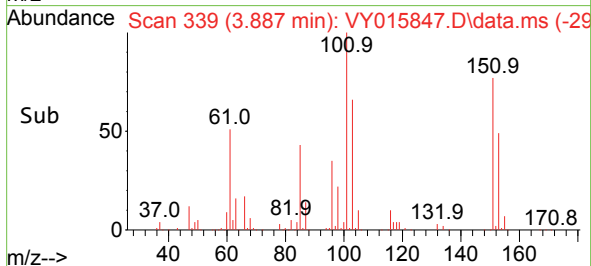
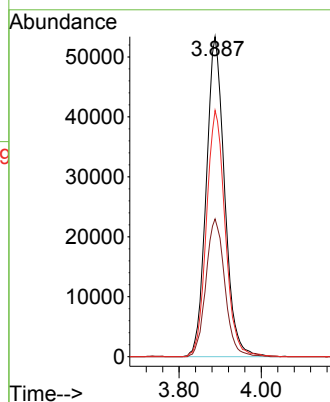
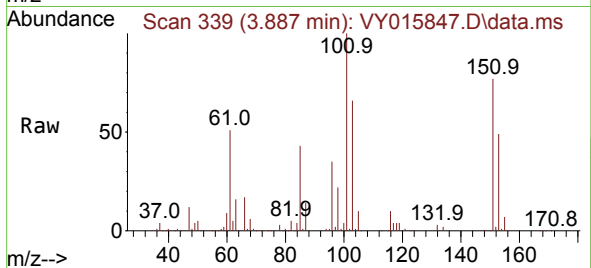




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 96.730 ug/l  
RT: 3.887 min Scan# 311  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

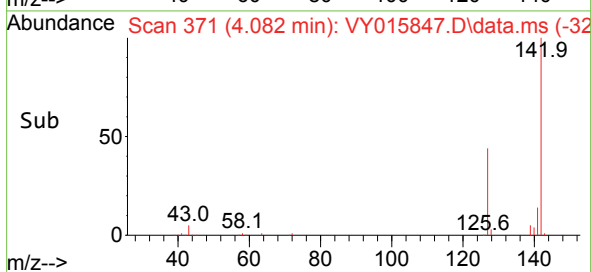
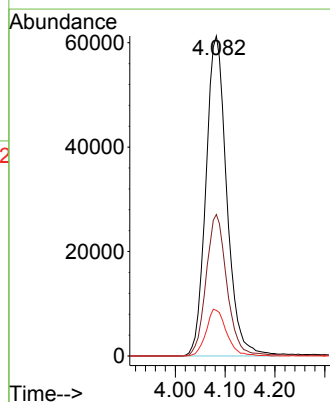
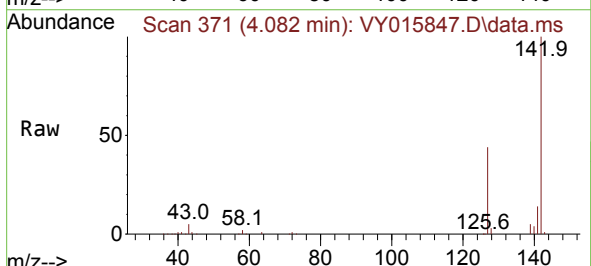
Instrument :  
MSVOA\_Y  
ClientSampleId :

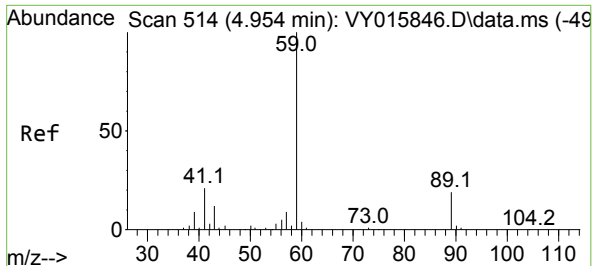
Tgt Ion:101 Resp: 165543  
Ion Ratio Lower Upper  
101 100  
85 44.3 36.6 55.0  
151 78.6 67.0 100.6



#10  
Methyl Iodide  
Concen: 100.171 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:142 Resp: 177944  
Ion Ratio Lower Upper  
142 100  
127 44.2 37.6 56.4  
141 14.3 11.8 17.8





#11

Tert butyl alcohol

Concen: 491.427 ug/l

RT: 4.991 min Scan# 51

Delta R.T. 0.037 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

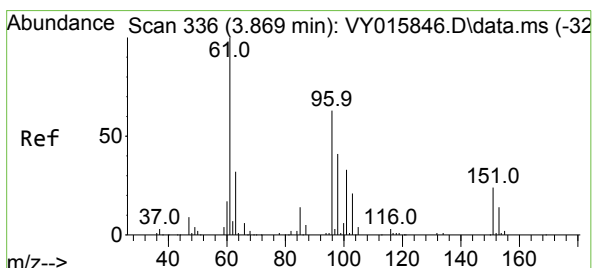
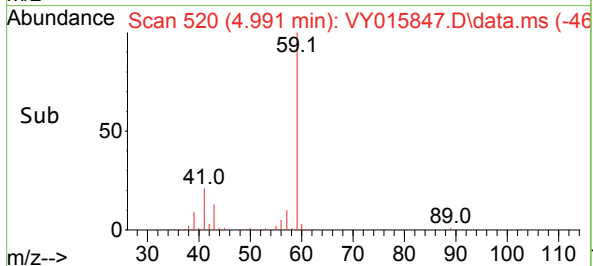
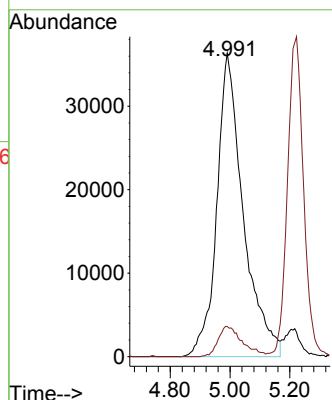
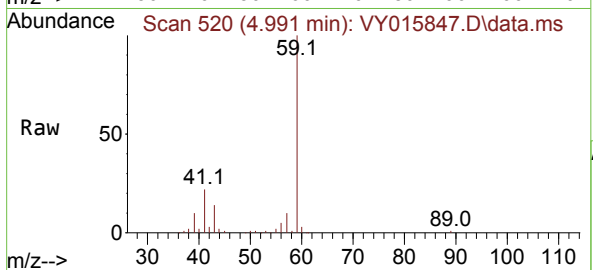
ClientSampleId :

Tgt Ion: 59 Resp: 222453

Ion Ratio Lower Upper

59 100

57 9.2 3.0 4.4#



#12

1,1-Dichloroethene

Concen: 103.041 ug/l

RT: 3.863 min Scan# 335

Delta R.T. -0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

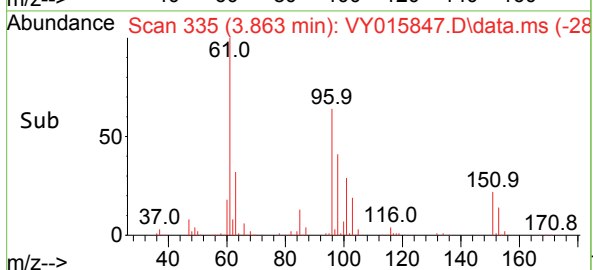
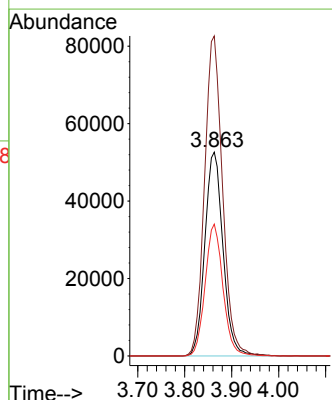
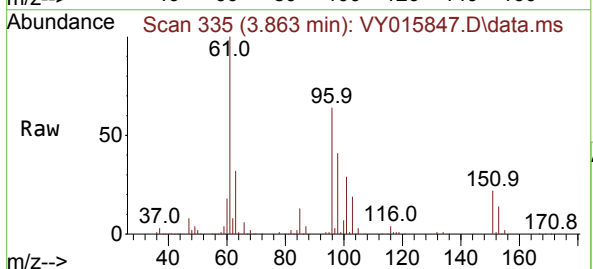
Tgt Ion: 96 Resp: 141027

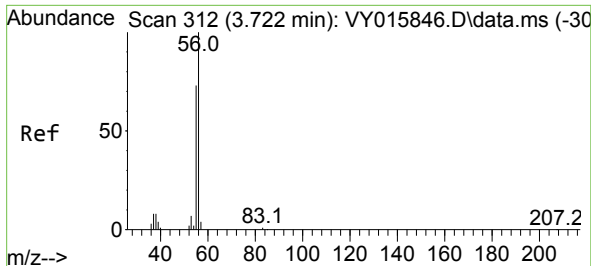
Ion Ratio Lower Upper

96 100

61 156.9 136.4 204.6

98 64.7 49.4 74.2

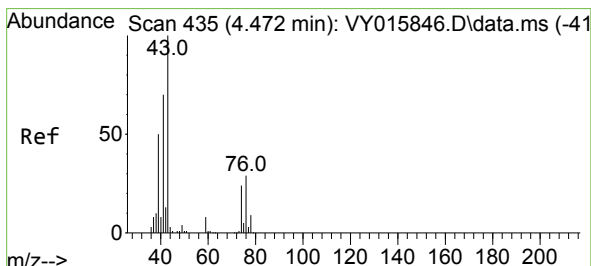
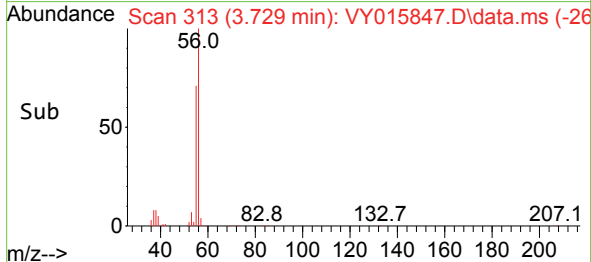
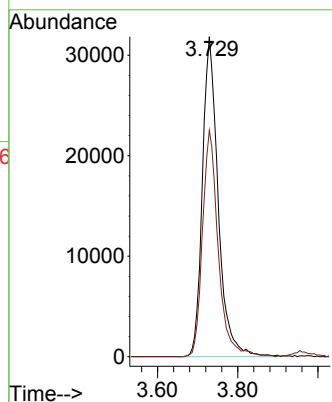
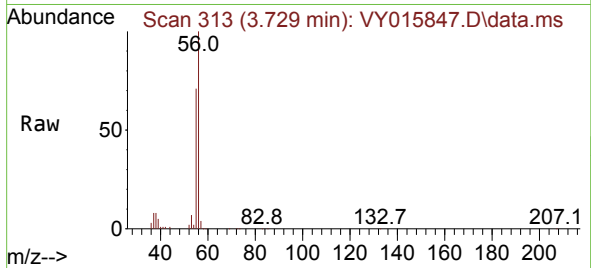




#13  
Acrolein  
Concen: 543.594 ug/l  
RT: 3.729 min Scan# 312  
Delta R.T. 0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

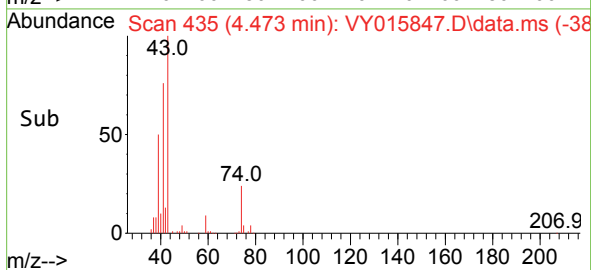
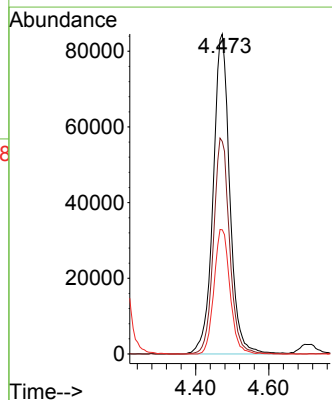
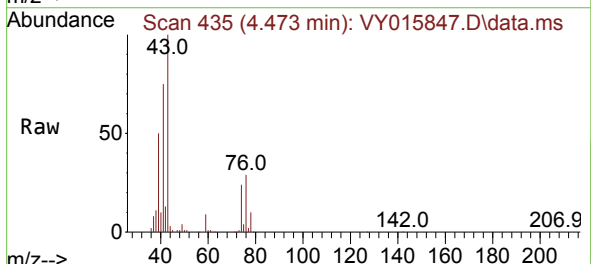
Instrument :  
MSVOA\_Y  
ClientSampleId :

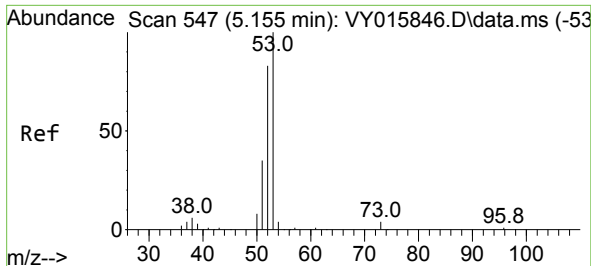
Tgt Ion: 56 Resp: 86744  
Ion Ratio Lower Upper  
56 100  
55 70.8 57.0 85.4



#14  
Allyl chloride  
Concen: 103.377 ug/l  
RT: 4.473 min Scan# 435  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

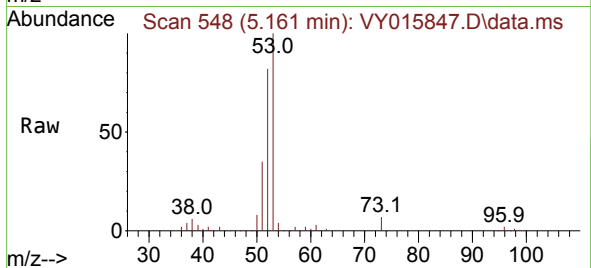
Tgt Ion: 41 Resp: 266746  
Ion Ratio Lower Upper  
41 100  
39 65.2 58.0 87.0  
76 37.2 27.4 41.2



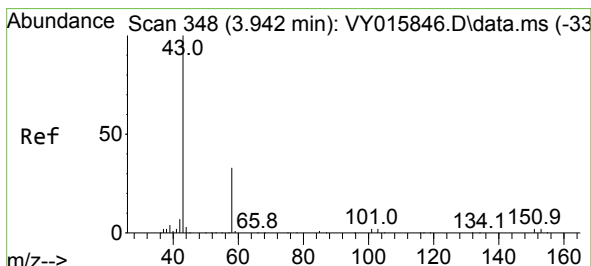
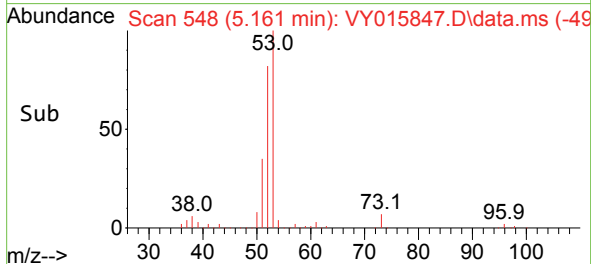
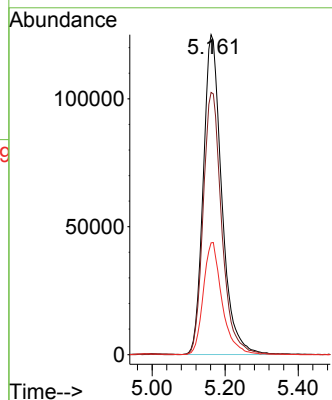


#15  
Acrylonitrile  
Concen: 491.874 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

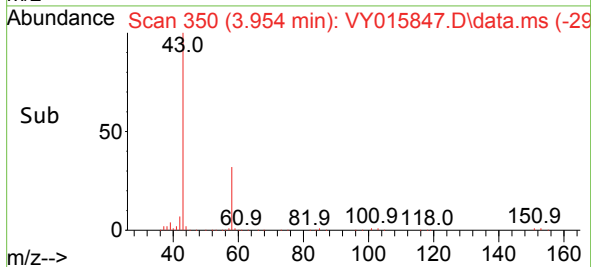
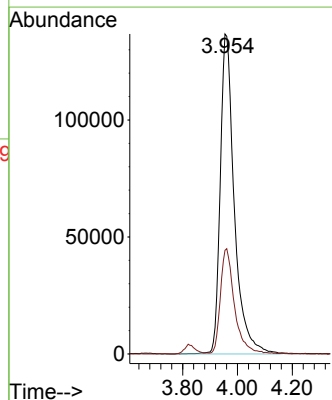
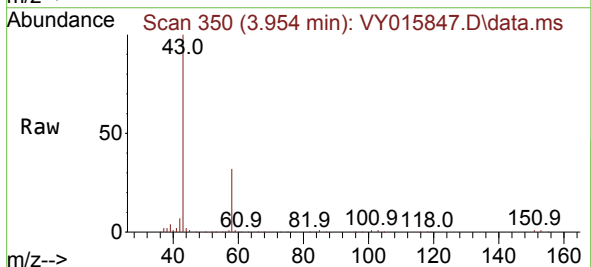


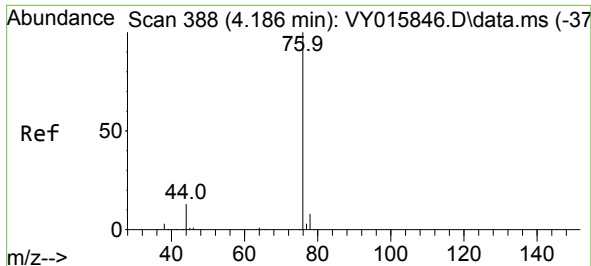
Tgt Ion: 53 Resp: 439219  
Ion Ratio Lower Upper  
53 100  
52 82.6 66.9 100.3  
51 35.5 29.8 44.6



#16  
Acetone  
Concen: 454.220 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. 0.012 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 43 Resp: 486749  
Ion Ratio Lower Upper  
43 100  
58 32.3 22.7 34.1

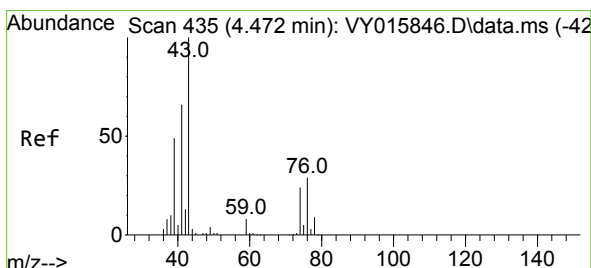
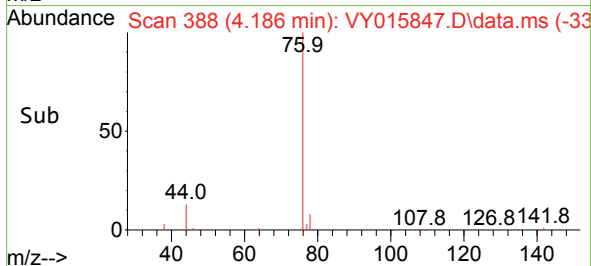
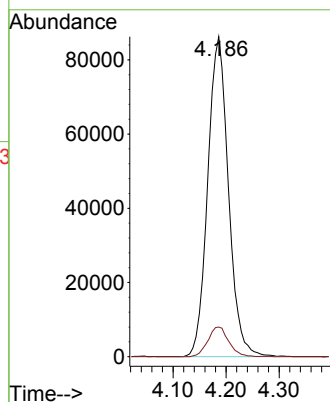
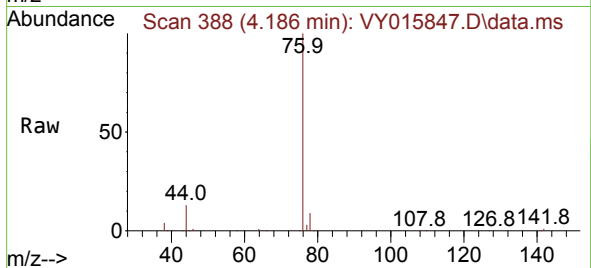




#17  
Carbon Disulfide  
Concen: 97.754 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

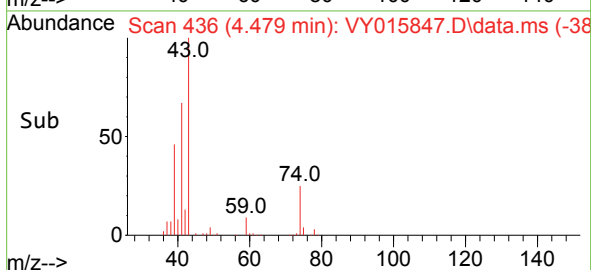
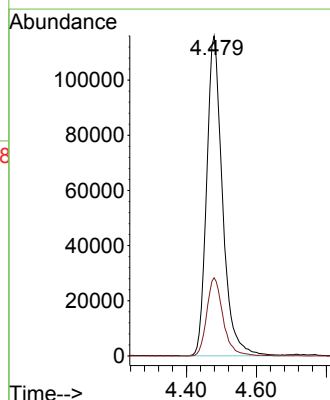
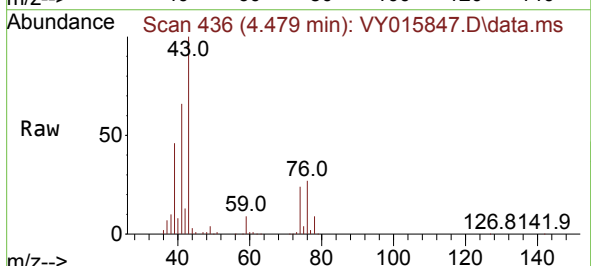
Instrument :  
MSVOA\_Y  
ClientSampleId :

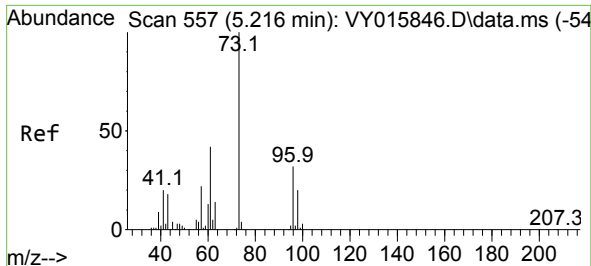
Tgt Ion: 76 Resp: 233932  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.0 10.4



#18  
Methyl Acetate  
Concen: 104.528 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 43 Resp: 364556  
Ion Ratio Lower Upper  
43 100  
74 25.2 17.4 26.0

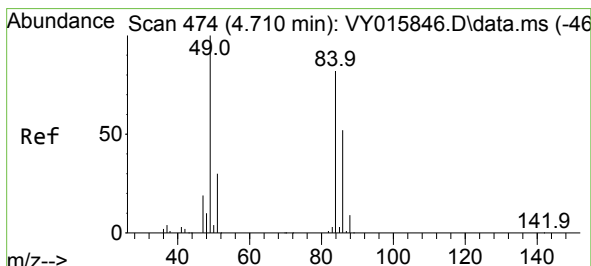
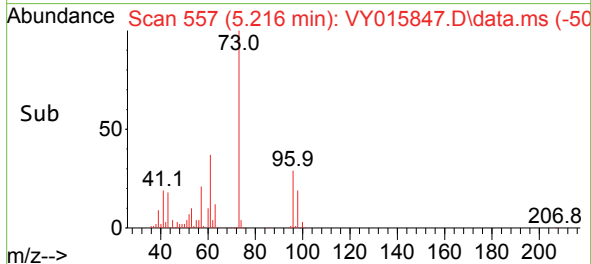
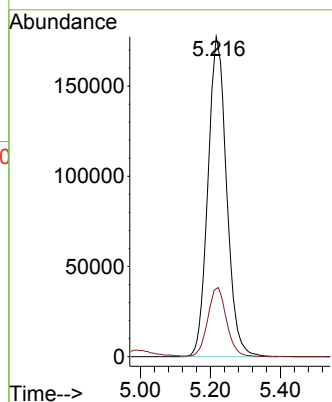
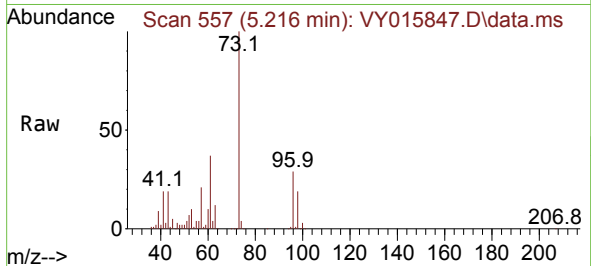




#19  
Methyl tert-butyl Ether  
Concen: 101.628 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

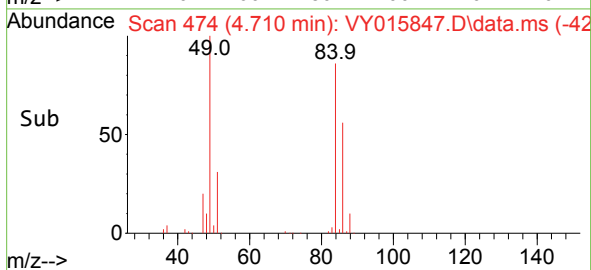
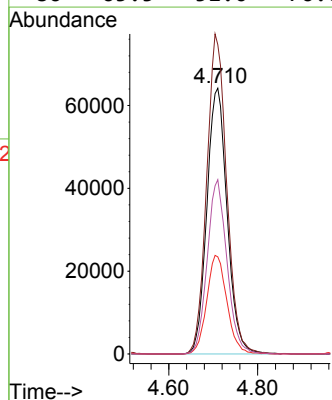
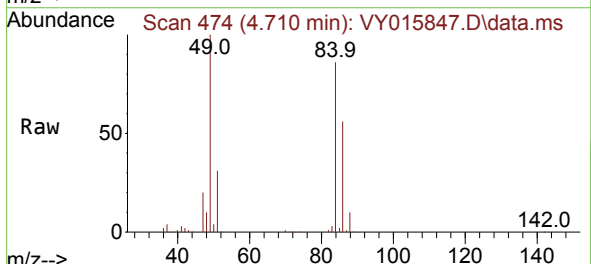
Instrument :  
MSVOA\_Y  
ClientSampleId :

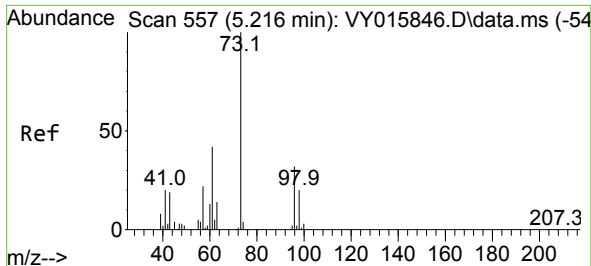
Tgt Ion: 73 Resp: 657439  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.3 25.9



#20  
Methylene Chloride  
Concen: 95.380 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

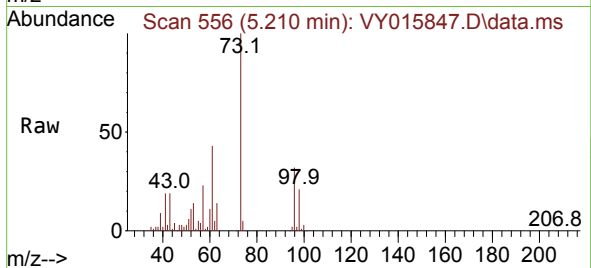
Tgt Ion: 84 Resp: 203942  
Ion Ratio Lower Upper  
84 100  
49 116.4 106.9 160.3  
51 36.5 33.2 49.8  
86 65.5 51.0 76.6



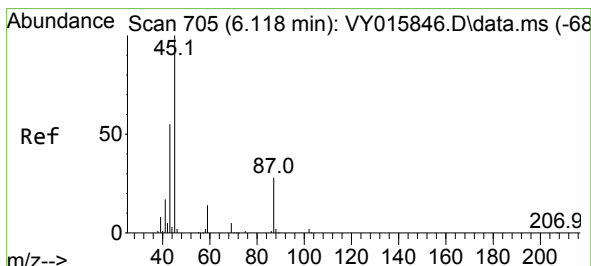
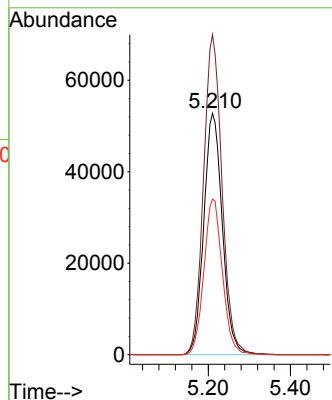
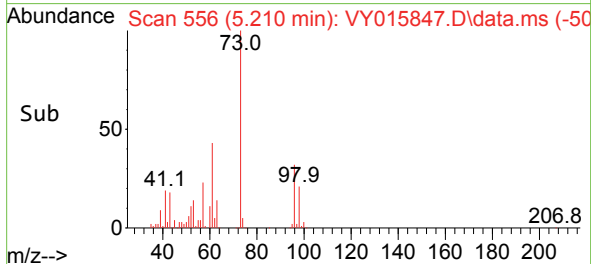


#21  
trans-1,2-Dichloroethene  
Concen: 105.014 ug/l  
RT: 5.210 min Scan# 511  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

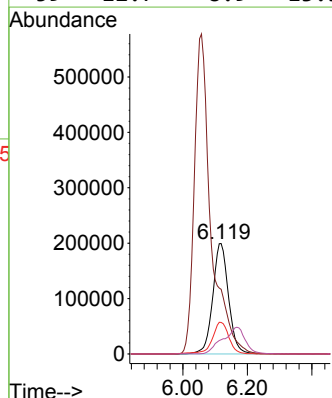
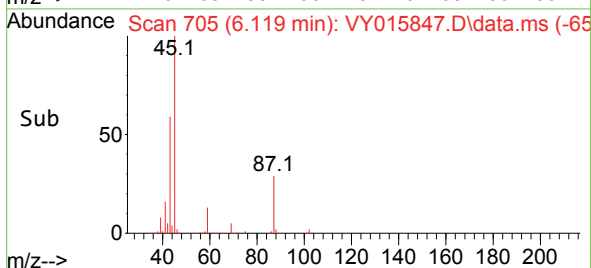
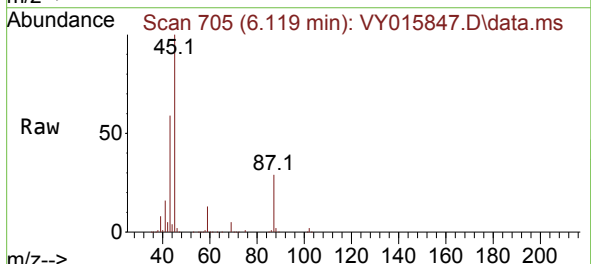


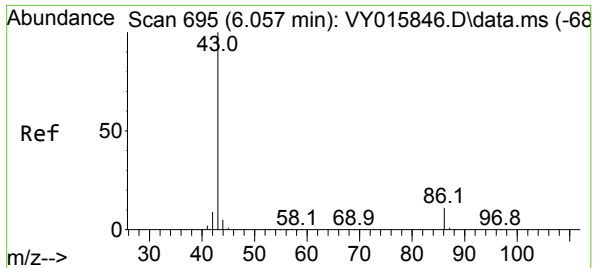
Tgt Ion: 96 Resp: 165558  
Ion Ratio Lower Upper  
96 100  
61 132.5 110.2 165.4  
98 64.4 51.8 77.6



#22  
Diisopropyl ether  
Concen: 100.802 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 45 Resp: 675403  
Ion Ratio Lower Upper  
45 100  
43 58.4 52.2 78.4  
87 28.6 21.0 31.6  
59 12.7 8.9 13.3

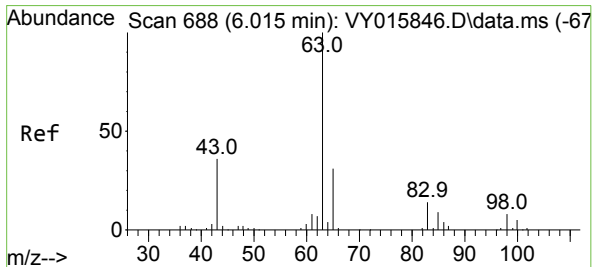
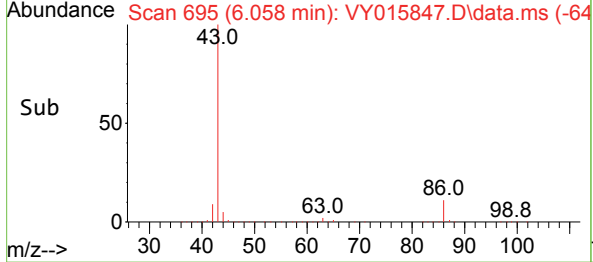
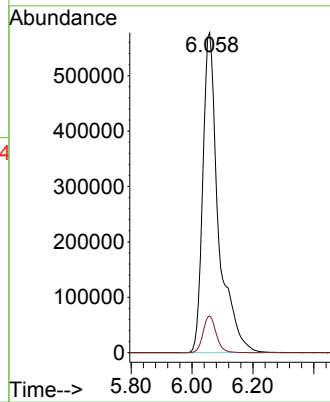
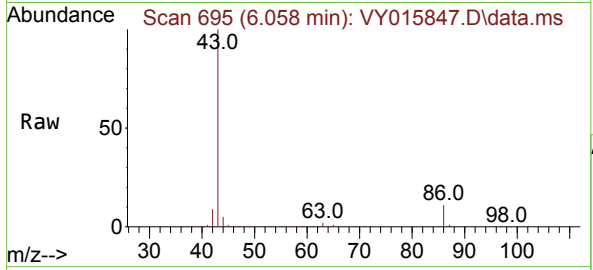




#23  
 Vinyl Acetate  
 Concen: 507.631 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. 0.000 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

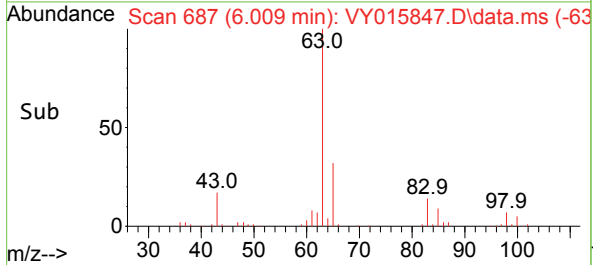
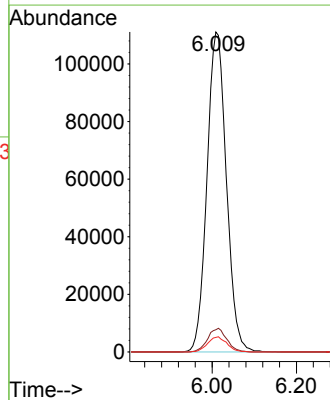
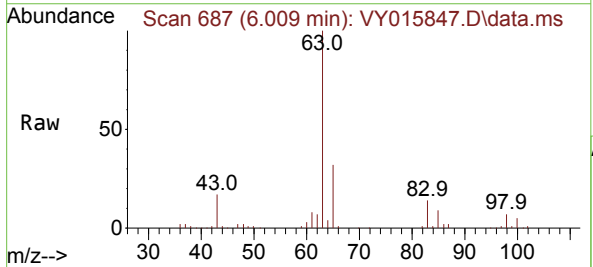
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

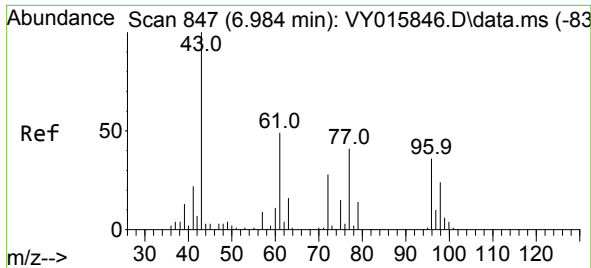
Tgt Ion: 43 Resp: 2058658  
 Ion Ratio Lower Upper  
 43 100  
 86 11.5 7.5 11.3#



#24  
 1,1-Dichloroethane  
 Concen: 99.750 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. -0.006 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

Tgt Ion: 63 Resp: 354911  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.1 9.4  
 100 4.5 1.8 5.5

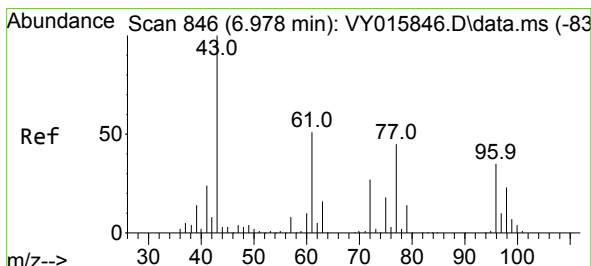
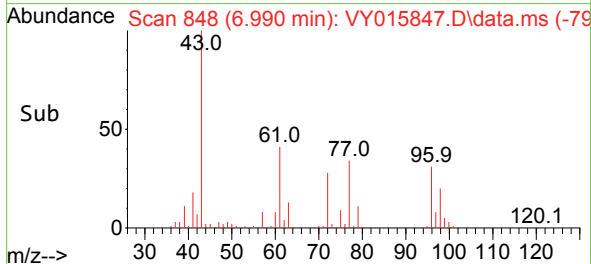
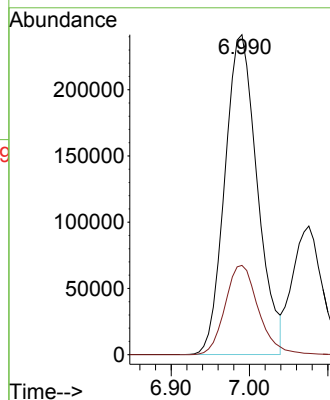
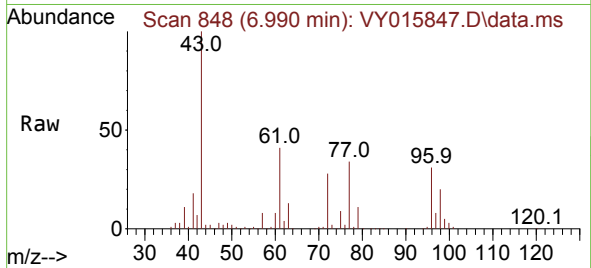




#25  
2-Butanone  
Concen: 472.821 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

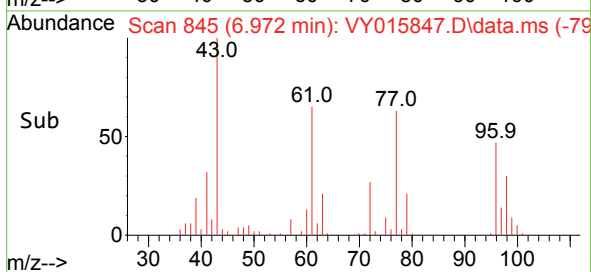
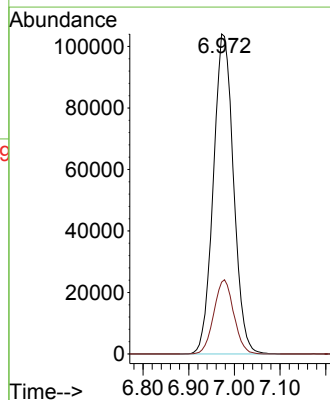
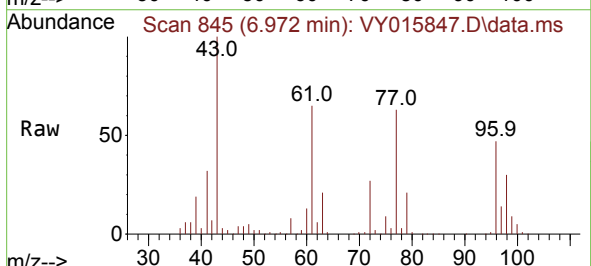
Instrument :  
MSVOA\_Y  
ClientSampleId :

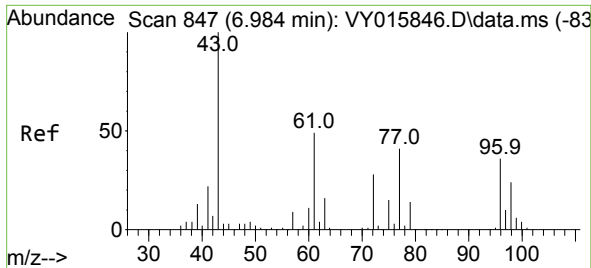
Tgt Ion: 43 Resp: 696964  
Ion Ratio Lower Upper  
43 100  
72 27.9 20.5 30.7



#26  
2,2-Dichloropropane  
Concen: 96.460 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

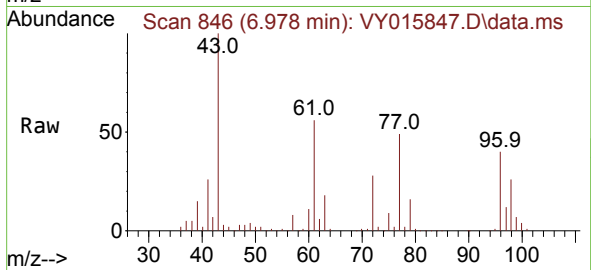
Tgt Ion: 77 Resp: 318931  
Ion Ratio Lower Upper  
77 100  
97 22.9 10.9 32.9



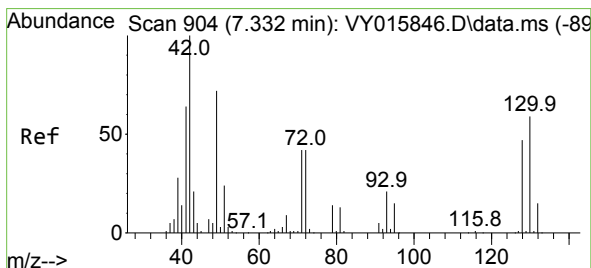
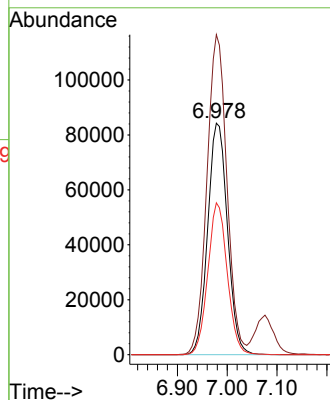
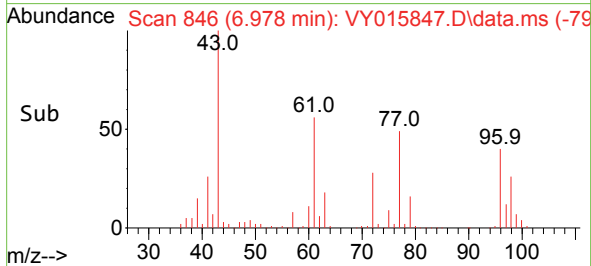


#27  
 cis-1,2-Dichloroethene  
 Concen: 101.791 ug/l  
 RT: 6.978 min Scan# 847  
 Delta R.T. -0.006 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

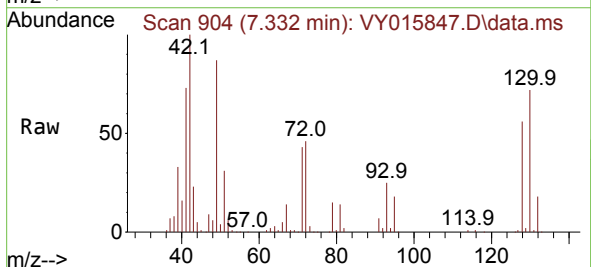
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



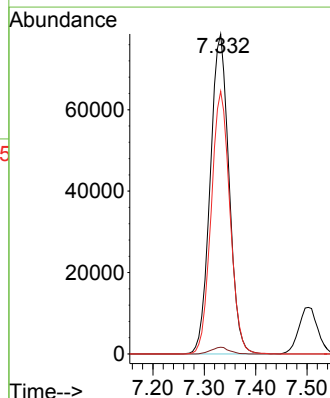
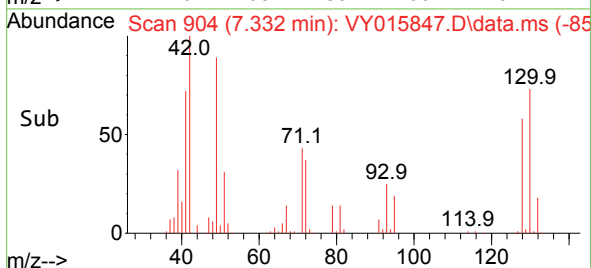
Tgt Ion: 96 Resp: 231977  
 Ion Ratio Lower Upper  
 96 100  
 61 139.8 0.0 301.4  
 98 64.5 0.0 130.4

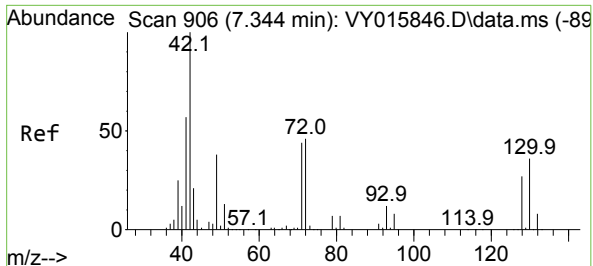


#28  
 Bromochloromethane  
 Concen: 95.899 ug/l  
 RT: 7.332 min Scan# 904  
 Delta R.T. 0.000 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01



Tgt Ion: 49 Resp: 199542  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.6  
 130 81.8 60.7 91.1





#29

Tetrahydrofuran

Concen: 509.116 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

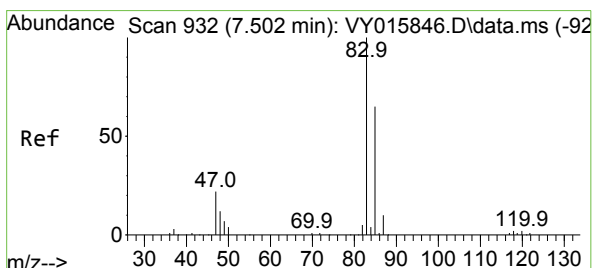
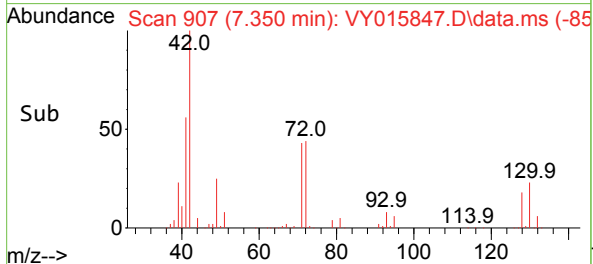
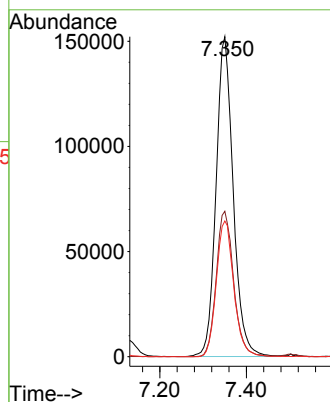
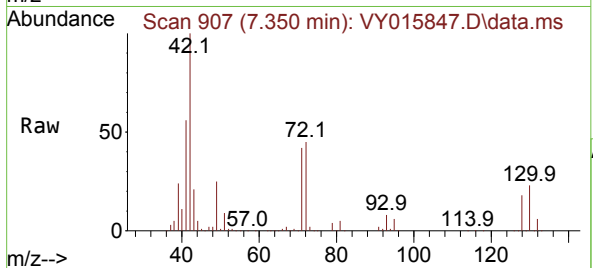
Tgt Ion: 42 Resp: 418749

Ion Ratio Lower Upper

42 100

72 46.3 32.8 49.2

71 43.4 31.0 46.4



#30

Chloroform

Concen: 98.664 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY015847.D

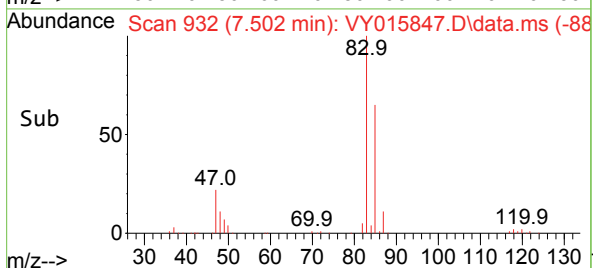
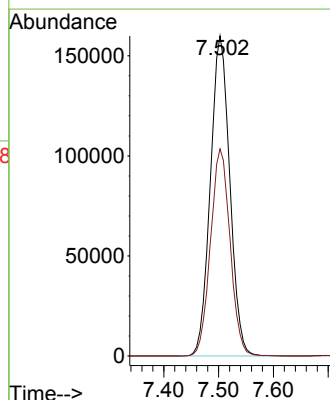
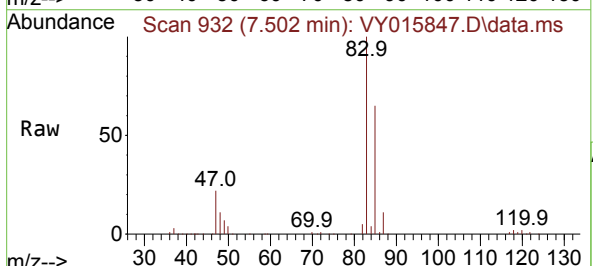
Acq: 05 Oct 2023 14:01

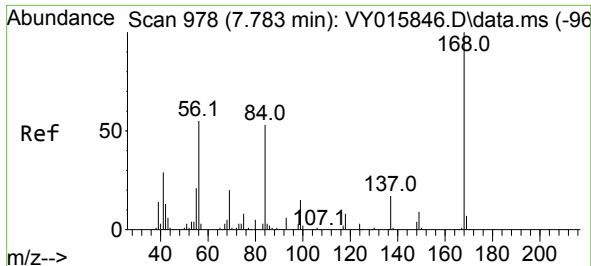
Tgt Ion: 83 Resp: 392703

Ion Ratio Lower Upper

83 100

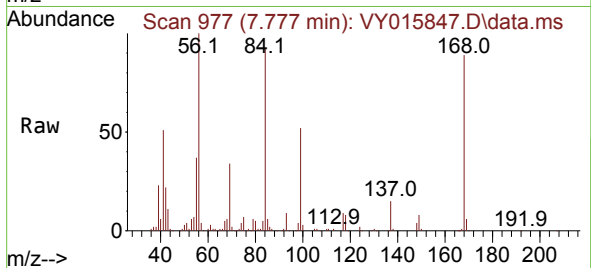
85 64.7 49.7 74.5



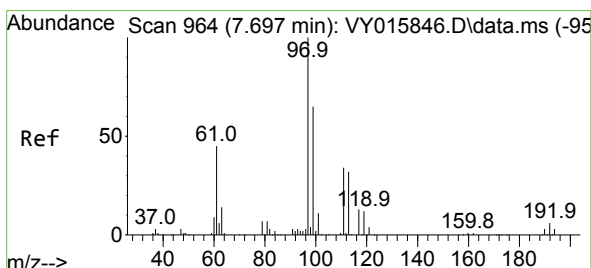
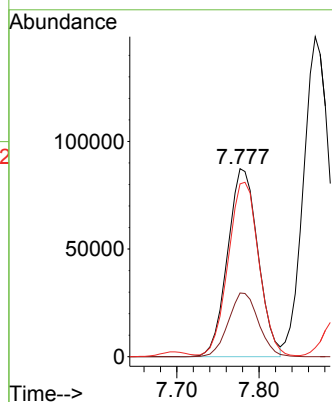
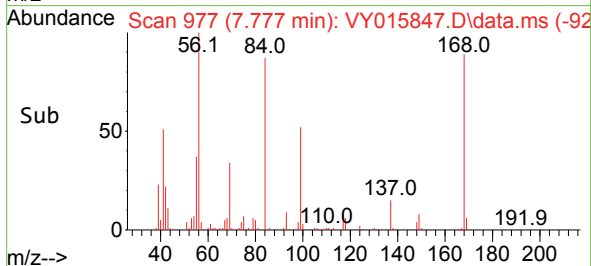


#31  
Cyclohexane  
Concen: 96.415 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

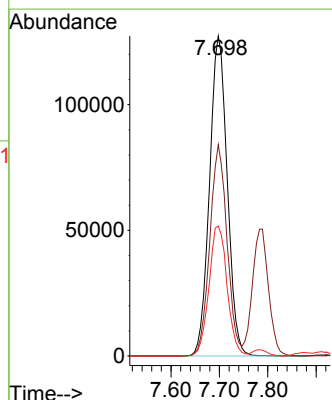
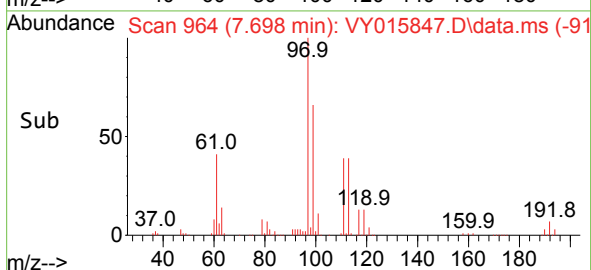
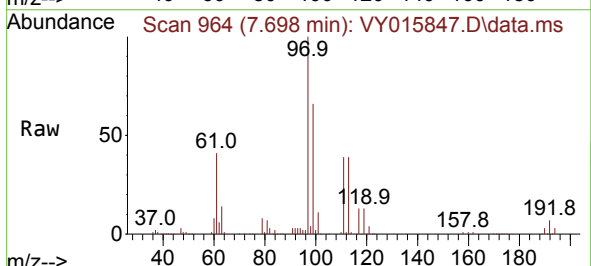


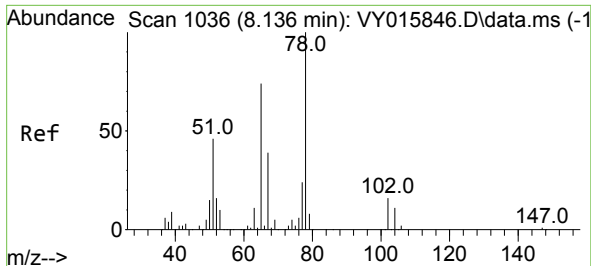
Tgt Ion: 56 Resp: 224788  
Ion Ratio Lower Upper  
56 100  
69 33.9 27.8 41.6  
84 89.6 66.4 99.6



#32  
1,1,1-Trichloroethane  
Concen: 99.518 ug/l  
RT: 7.698 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 97 Resp: 323814  
Ion Ratio Lower Upper  
97 100  
99 64.6 50.8 76.2  
61 41.7 35.1 52.7

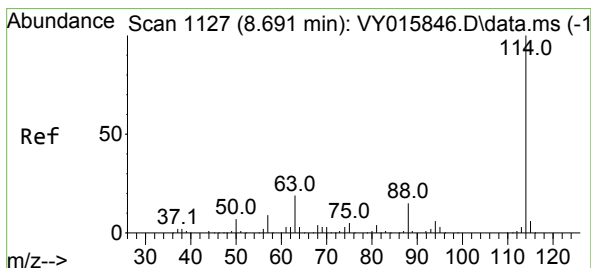
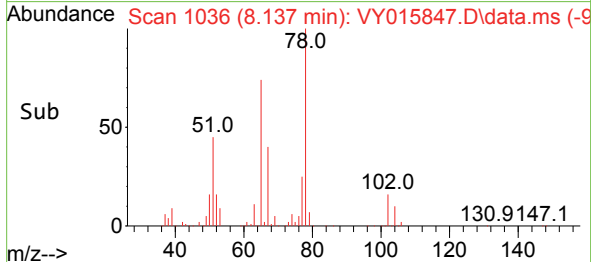
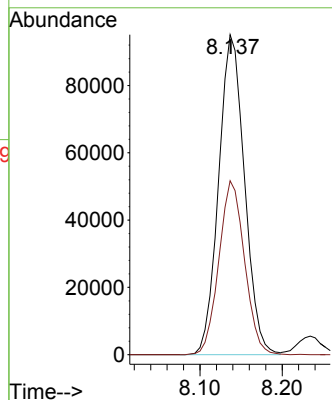
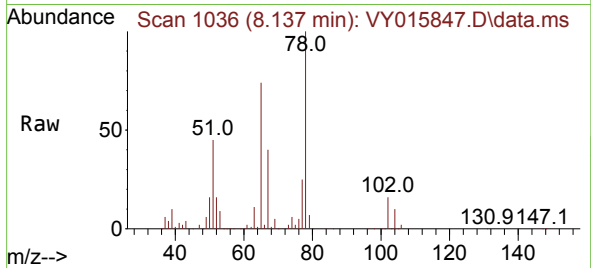




#33  
1,2-Dichloroethane-d4  
Concen: 100.618 ug/l  
RT: 8.137 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

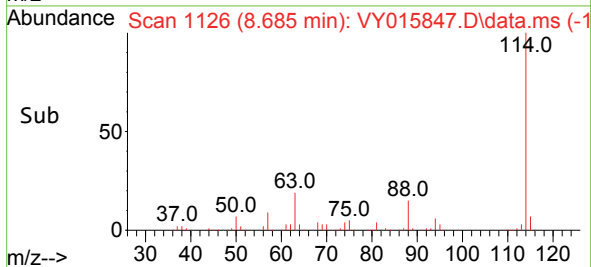
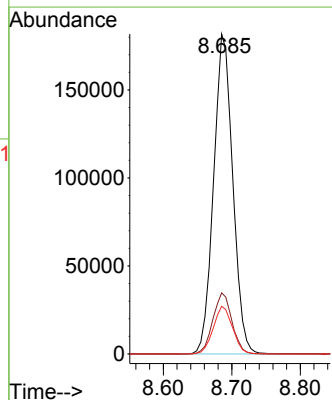
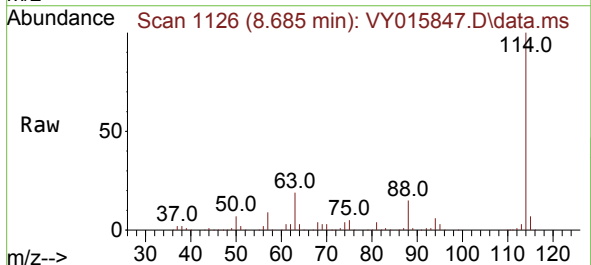
Instrument :  
MSVOA\_Y  
ClientSampleId :

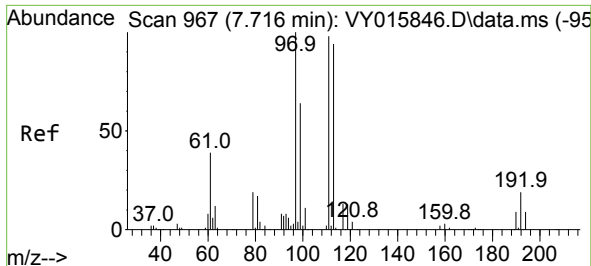
Tgt Ion: 65 Resp: 208118  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 101.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

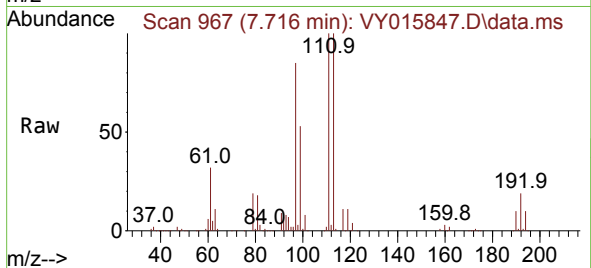
Tgt Ion: 114 Resp: 352809  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 42.4  
88 14.9 0.0 30.6



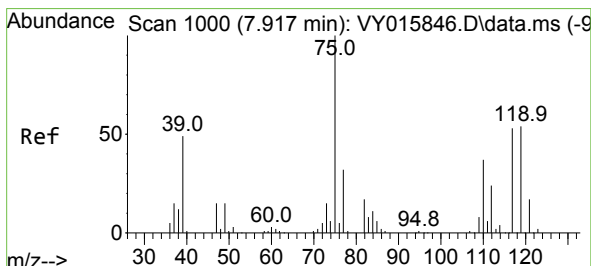
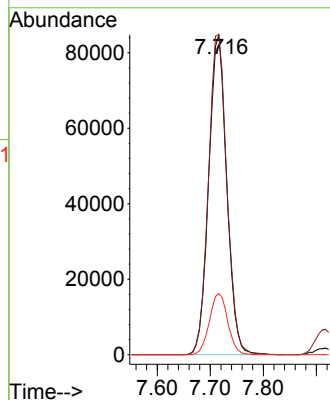
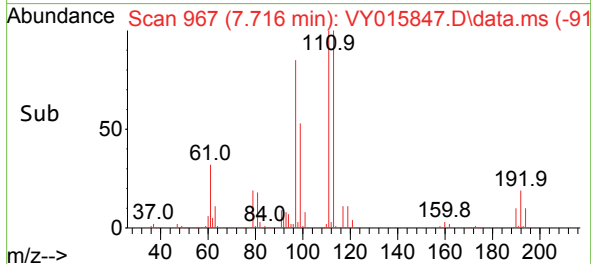


#35  
 Dibromofluoromethane  
 Concen: 99.251 ug/l  
 RT: 7.716 min Scan# 999  
 Delta R.T. 0.000 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01

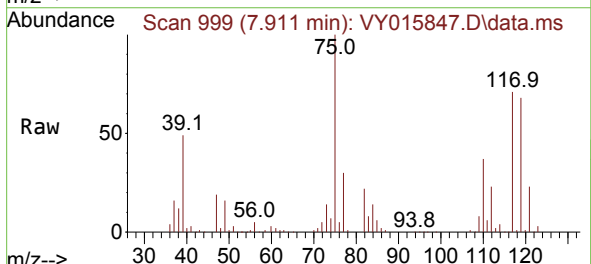
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



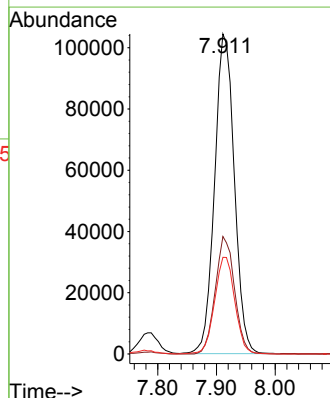
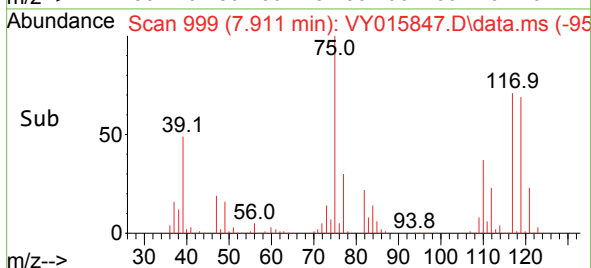
Tgt Ion:113 Resp: 199596  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.3 121.9  
 192 19.5 16.9 25.3

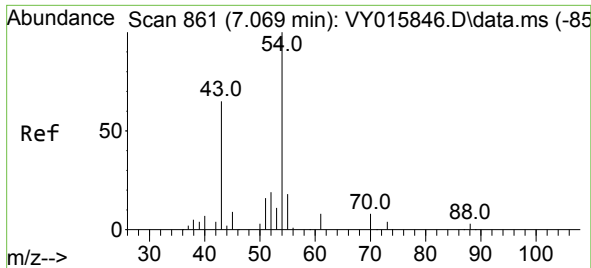


#36  
 1,1-Dichloropropene  
 Concen: 101.623 ug/l  
 RT: 7.911 min Scan# 999  
 Delta R.T. -0.006 min  
 Lab File: VY015847.D  
 Acq: 05 Oct 2023 14:01



Tgt Ion: 75 Resp: 243813  
 Ion Ratio Lower Upper  
 75 100  
 110 35.9 17.8 53.5  
 77 31.0 24.4 36.6

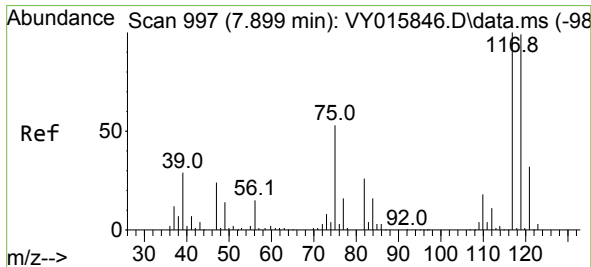
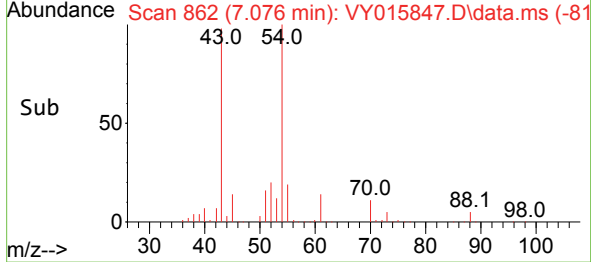
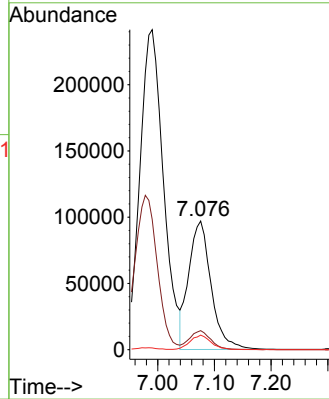
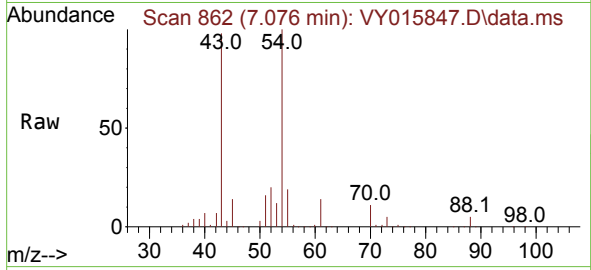




#37  
Ethyl Acetate  
Concen: 99.100 ug/l  
RT: 7.076 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

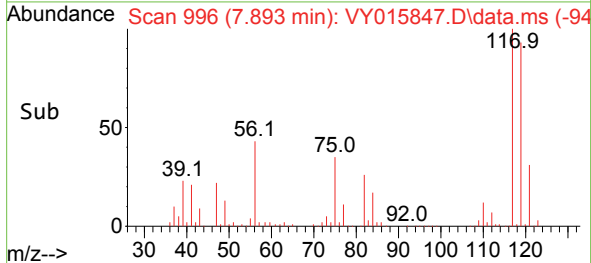
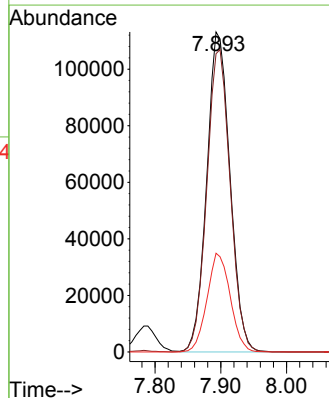
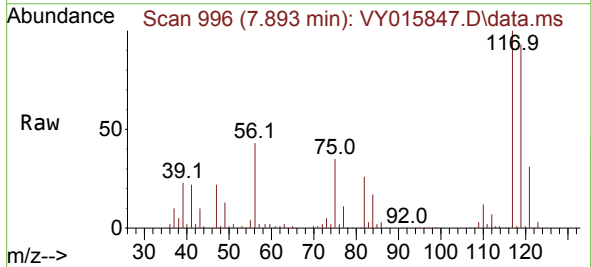
Instrument :  
MSVOA\_Y  
ClientSampleId :

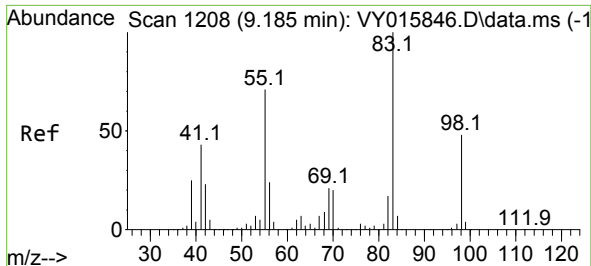
Tgt Ion: 43 Resp: 266072  
Ion Ratio Lower Upper  
43 100  
61 14.3 10.1 15.1  
70 10.7 7.1 10.7#



#38  
Carbon Tetrachloride  
Concen: 98.848 ug/l  
RT: 7.893 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 117 Resp: 278853  
Ion Ratio Lower Upper  
117 100  
119 93.1 76.4 114.6  
121 30.8 25.8 38.6





#39

Methylcyclohexane

Concen: 103.733 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

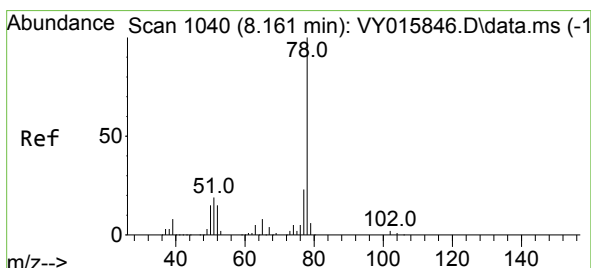
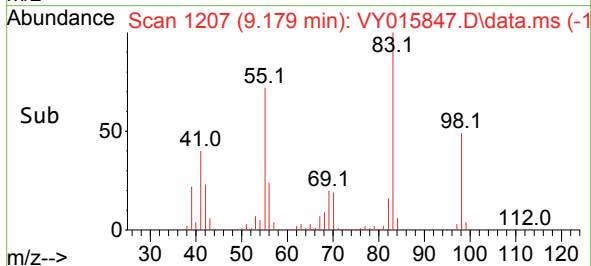
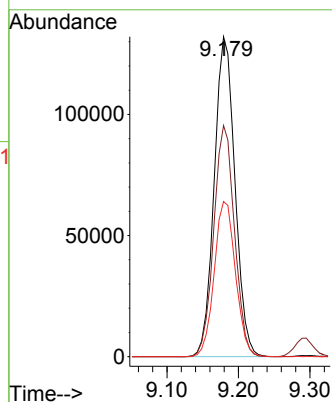
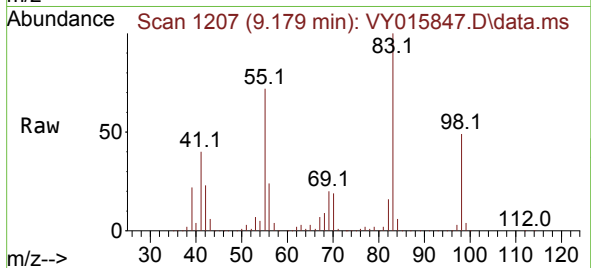
Tgt Ion: 83 Resp: 266168

Ion Ratio Lower Upper

83 100

55 72.2 63.0 94.4

98 48.5 37.4 56.2



#40

Benzene

Concen: 101.492 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY015847.D

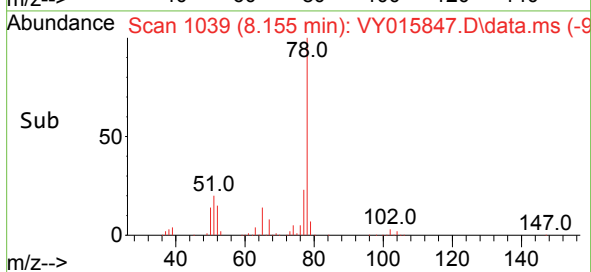
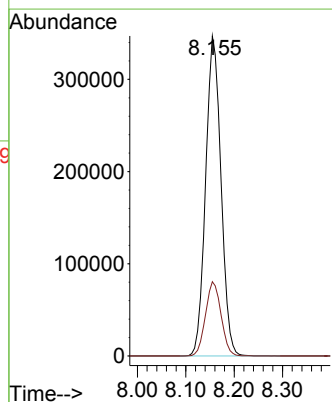
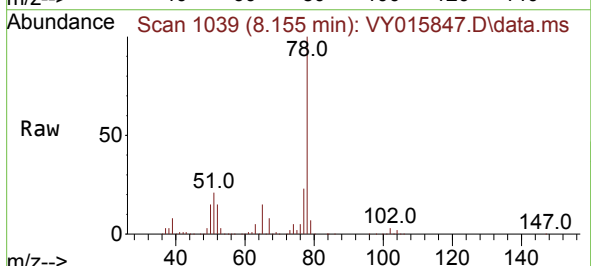
Acq: 05 Oct 2023 14:01

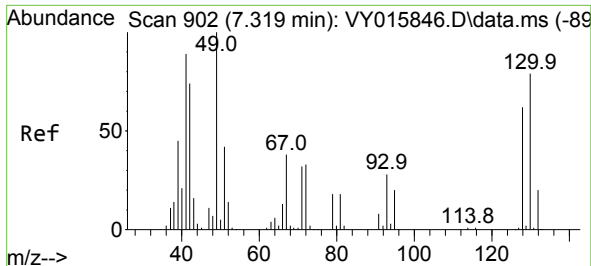
Tgt Ion: 78 Resp: 764077

Ion Ratio Lower Upper

78 100

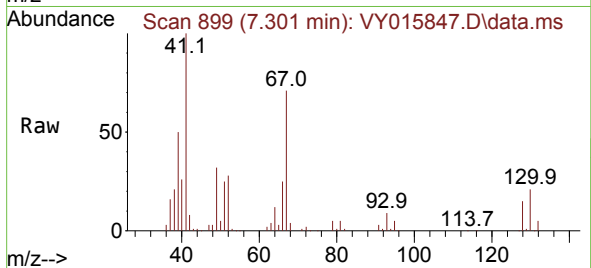
77 23.2 19.0 28.6



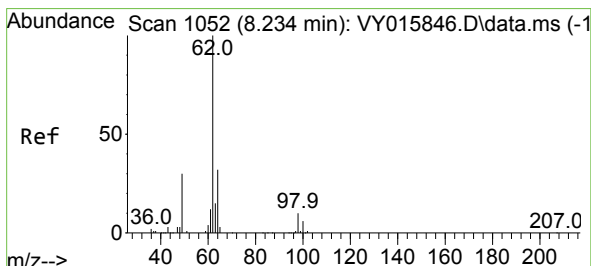
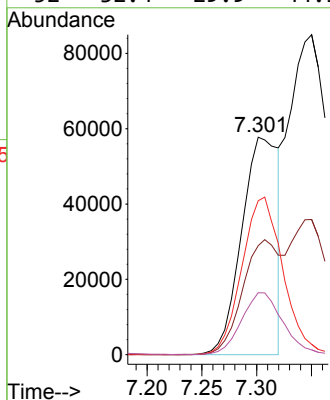
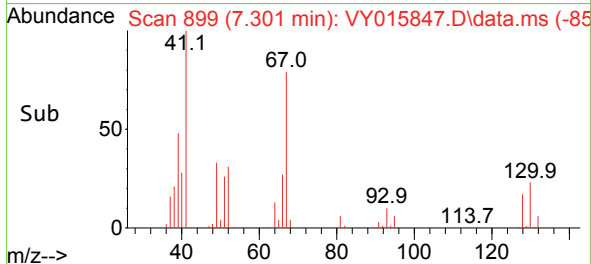


#41  
Methacrylonitrile  
Concen: 106.837 ug/l  
RT: 7.301 min Scan# 899  
Delta R.T. -0.018 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

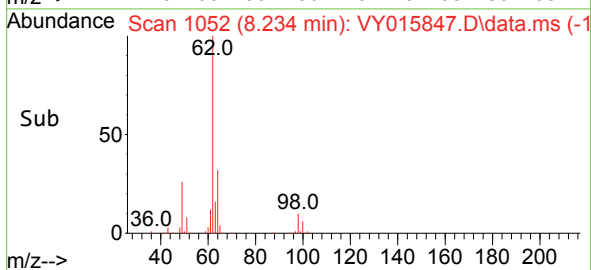
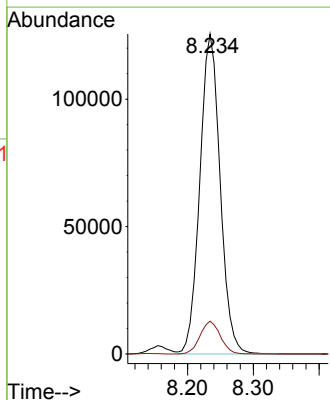
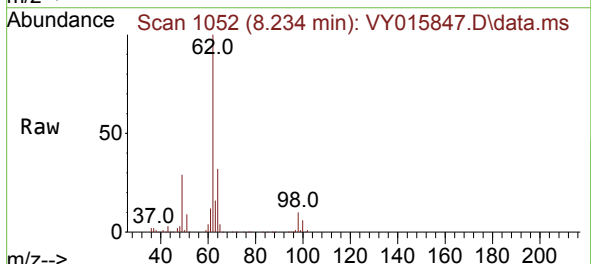


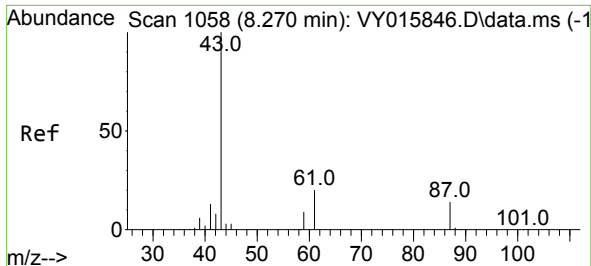
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 41    | Resp: | 134060 |
| Ion      | Ratio | Lower | Upper  |
| 41       | 100   |       |        |
| 39       | 58.1  | 52.1  | 78.1   |
| 67       | 81.9  | 66.2  | 99.2   |
| 52       | 32.4  | 29.9  | 44.9   |



#42  
1,2-Dichloroethane  
Concen: 99.493 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 269691 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 10.2  | 0.0   | 15.8   |

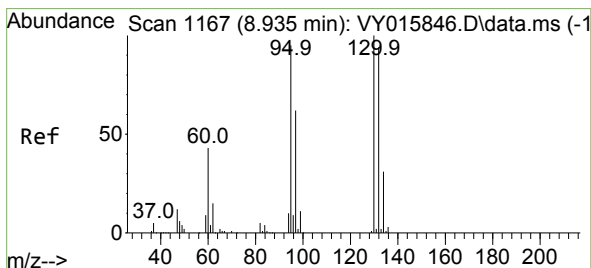
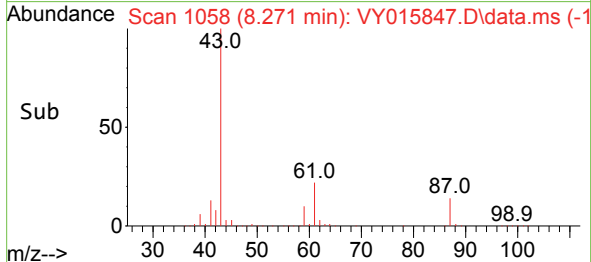
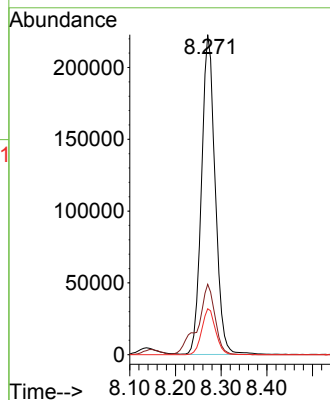
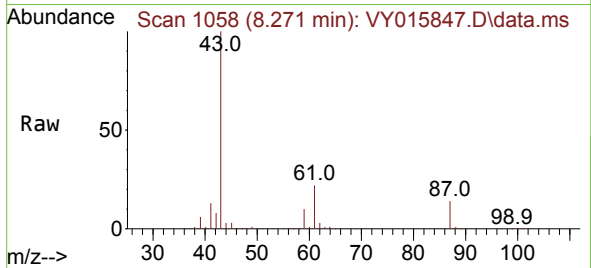




#43  
Isopropyl Acetate  
Concen: 100.191 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

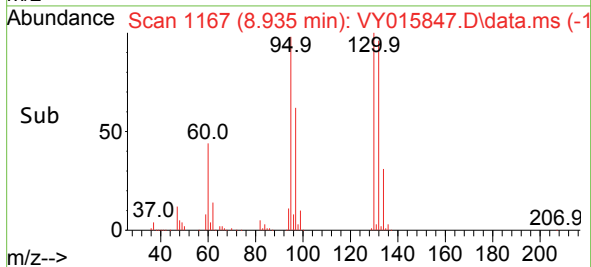
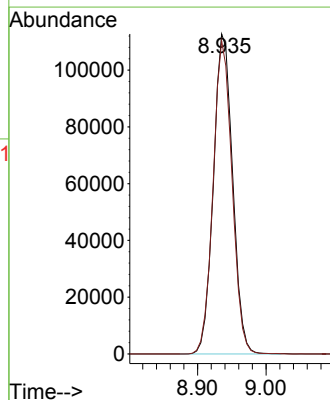
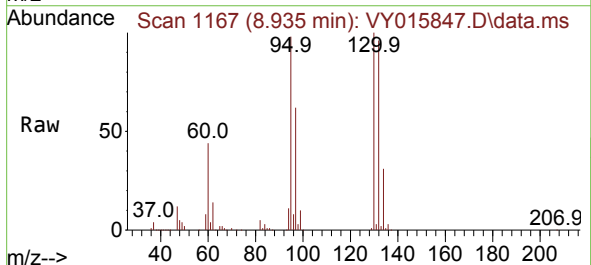
Instrument :  
MSVOA\_Y  
ClientSampleId :

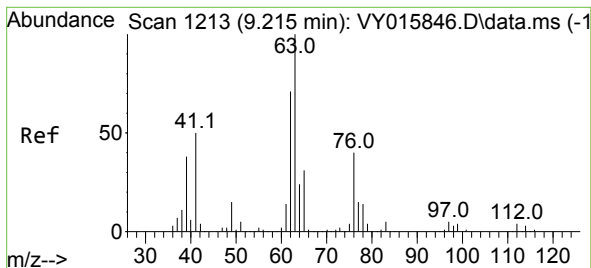
Tgt Ion: 43 Resp: 463005  
Ion Ratio Lower Upper  
43 100  
61 27.7 21.1 31.7  
87 14.5 9.8 14.8



#44  
Trichloroethene  
Concen: 99.408 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:130 Resp: 219024  
Ion Ratio Lower Upper  
130 100  
95 97.8 0.0 196.0





#45

1,2-Dichloropropane

Concen: 97.554 ug/l

RT: 9.216 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

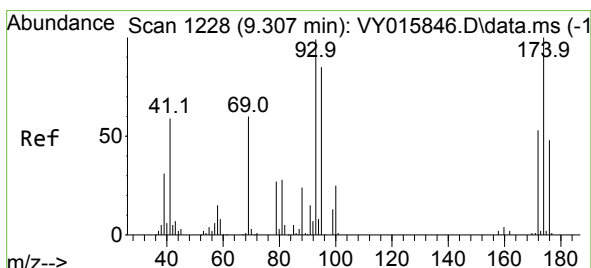
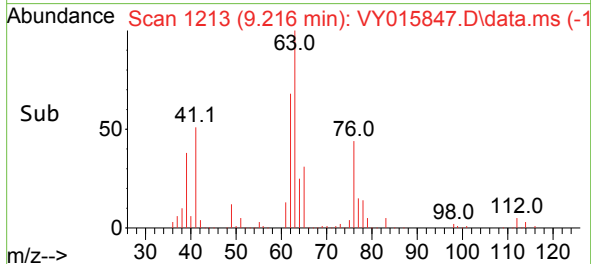
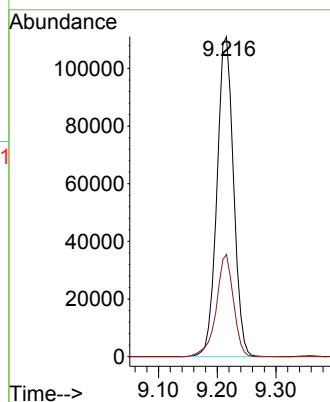
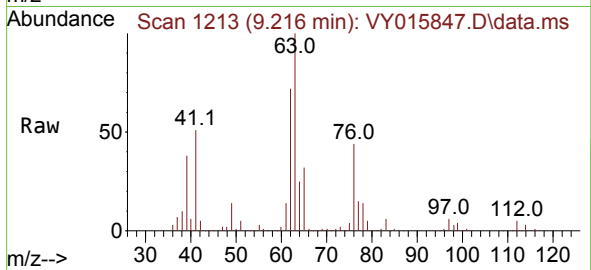
ClientSampleId :

Tgt Ion: 63 Resp: 217232

Ion Ratio Lower Upper

63 100

65 31.9 23.8 35.6



#46

Dibromomethane

Concen: 101.300 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

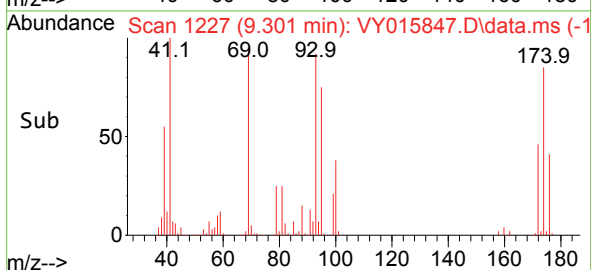
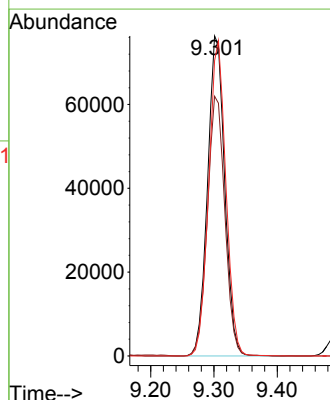
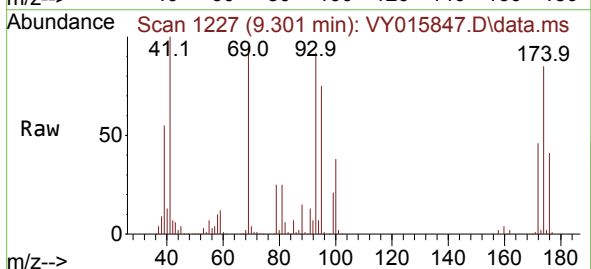
Tgt Ion: 93 Resp: 144214

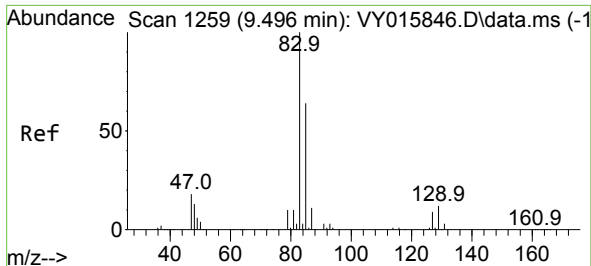
Ion Ratio Lower Upper

93 100

95 82.7 66.6 100.0

174 98.6 84.8 127.2

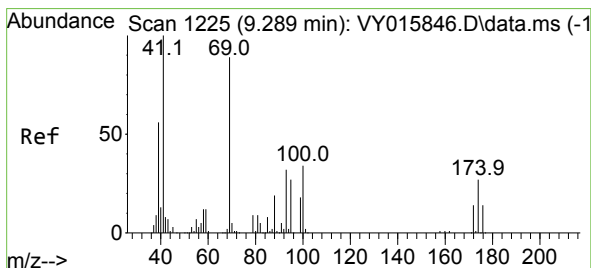
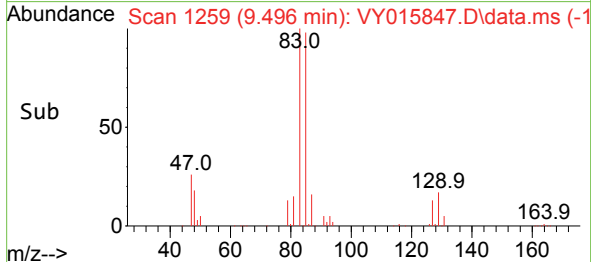
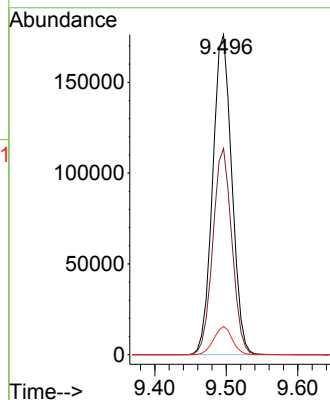
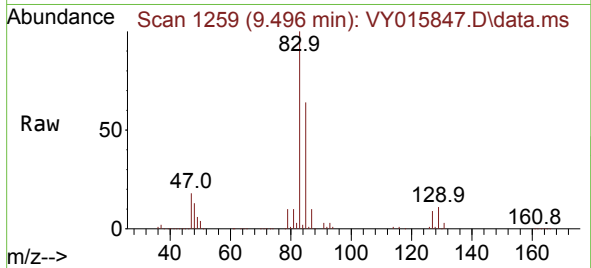




#47  
Bromodichloromethane  
Concen: 99.183 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

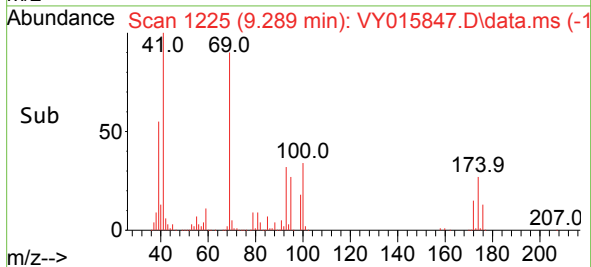
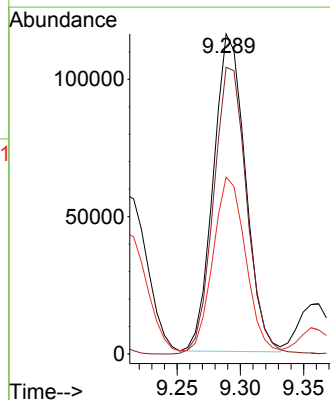
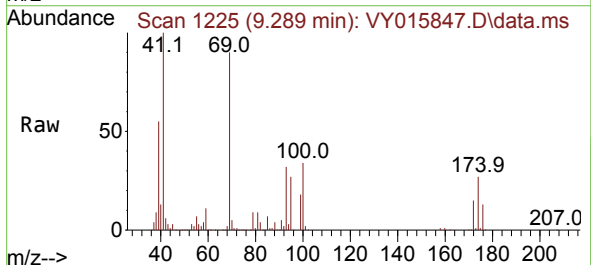
Instrument :  
MSVOA\_Y  
ClientSampleId :

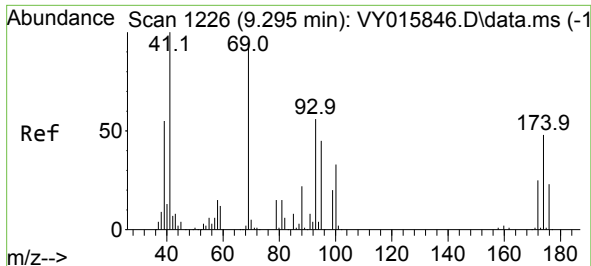
Tgt Ion: 83 Resp: 327751  
Ion Ratio Lower Upper  
83 100  
85 64.5 50.1 75.1  
127 8.8 7.1 10.7



#48  
Methyl methacrylate  
Concen: 101.191 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

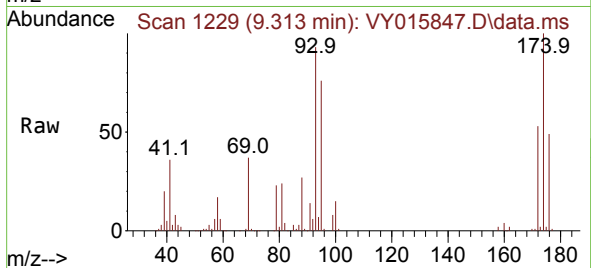
Tgt Ion: 41 Resp: 204236  
Ion Ratio Lower Upper  
41 100  
69 93.3 64.5 96.7  
39 56.9 50.8 76.2



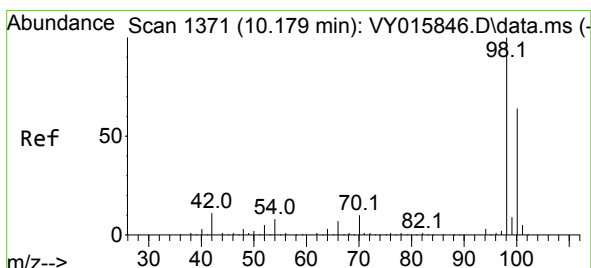
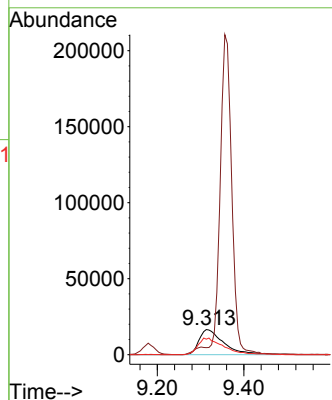
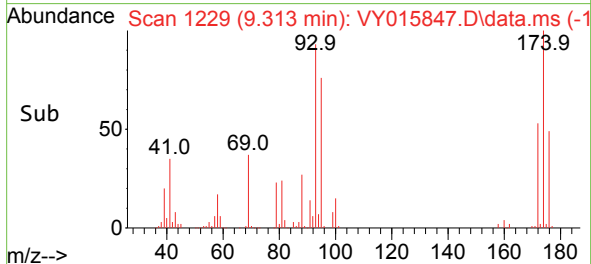


#49  
1,4-Dioxane  
Concen: 2065.113 ug/l  
RT: 9.313 min Scan# 1229  
Delta R.T. 0.018 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

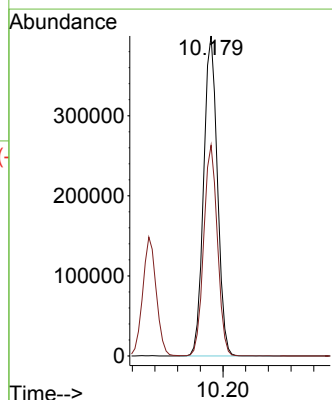
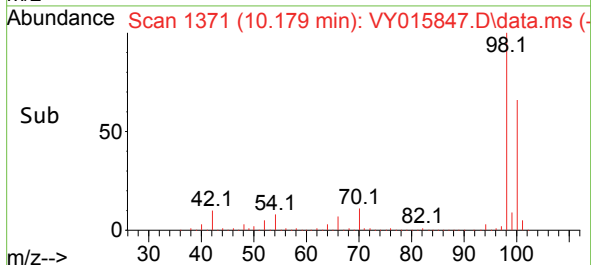
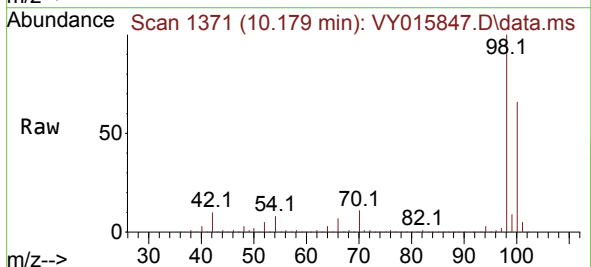


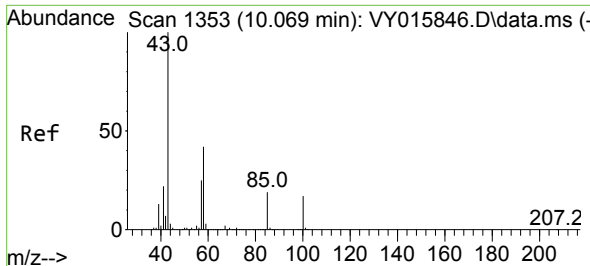
Tgt Ion: 88 Resp: 65856  
Ion Ratio Lower Upper  
88 100  
43 0.0 0.0 0.0  
58 68.7 30.9 46.3#



#50  
Toluene-d8  
Concen: 102.854 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 98 Resp: 671556  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.1 75.1

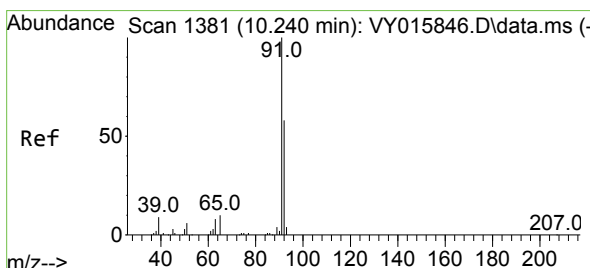
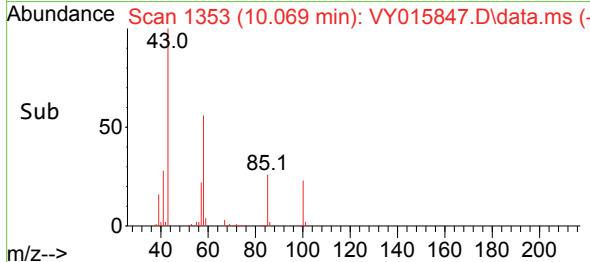
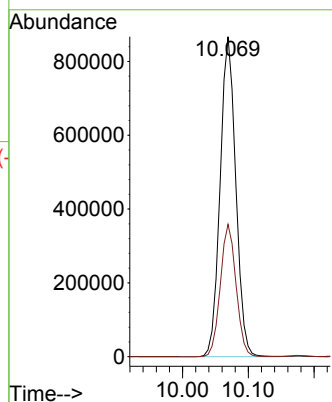
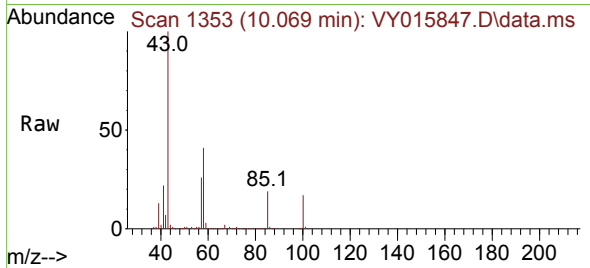




#51  
4-Methyl-2-Pentanone  
Concen: 496.523 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

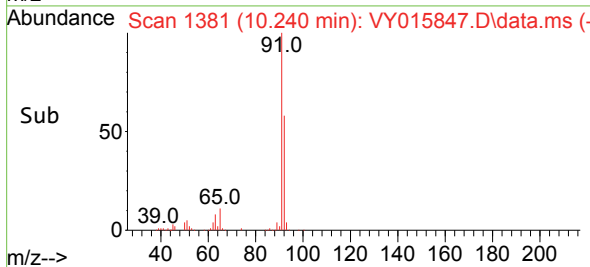
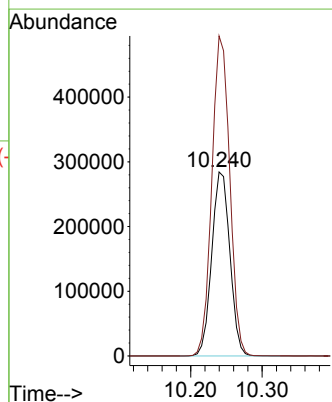
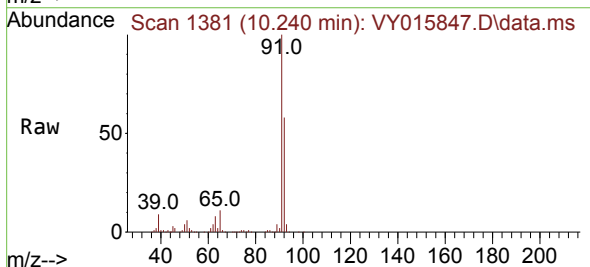
Instrument :  
MSVOA\_Y  
ClientSampleId :

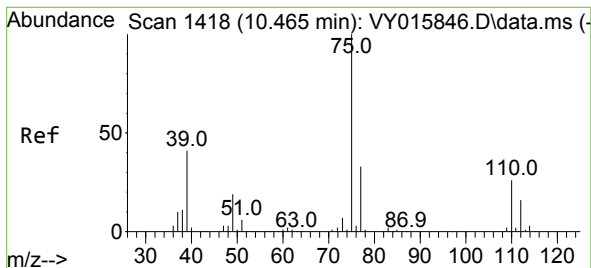
Tgt Ion: 43 Resp: 1435410  
Ion Ratio Lower Upper  
43 100  
58 41.5 29.0 43.6



#52  
Toluene  
Concen: 101.526 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 92 Resp: 500091  
Ion Ratio Lower Upper  
92 100  
91 171.9 143.8 215.6

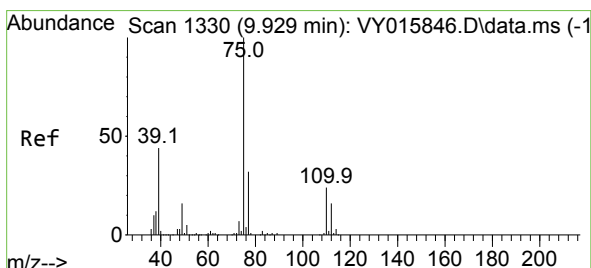
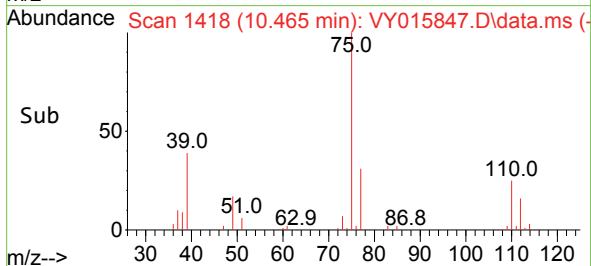
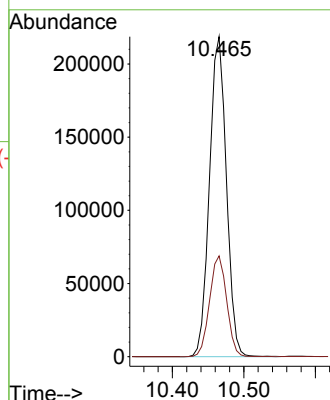
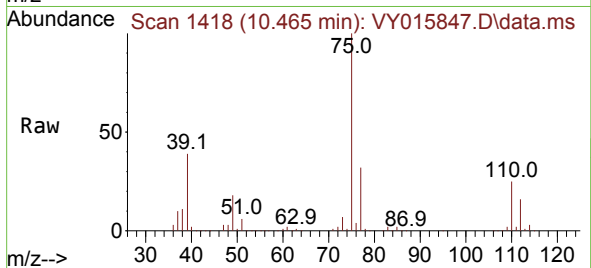




#53  
t-1,3-Dichloropropene  
Concen: 103.640 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

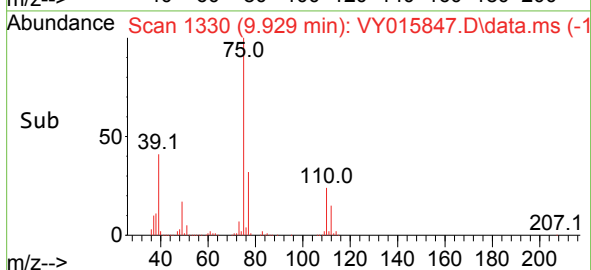
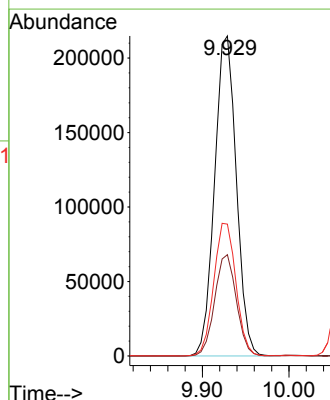
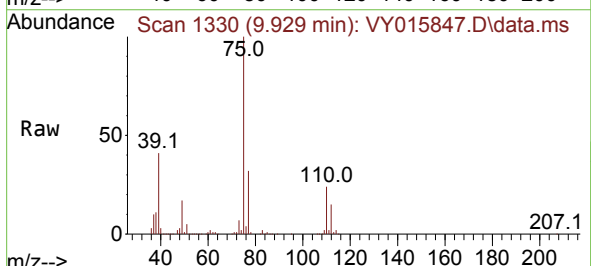
Instrument :  
MSVOA\_Y  
ClientSampleId :

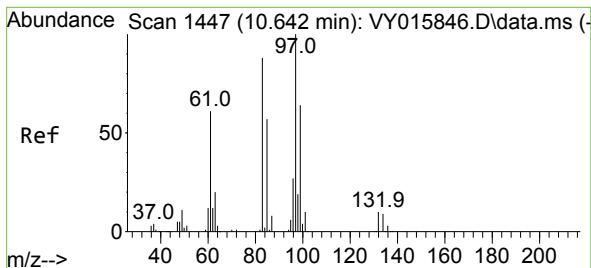
Tgt Ion: 75 Resp: 359354  
Ion Ratio Lower Upper  
75 100  
77 31.5 25.0 37.4



#54  
cis-1,3-Dichloropropene  
Concen: 101.917 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 75 Resp: 375147  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.2 36.4  
39 41.2 42.2 63.4#

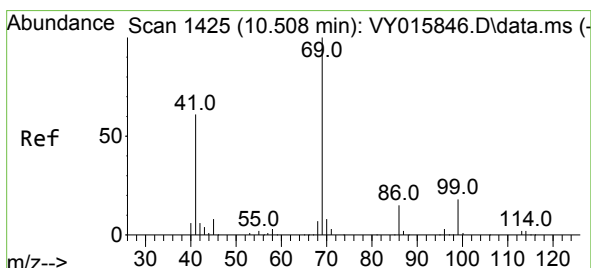
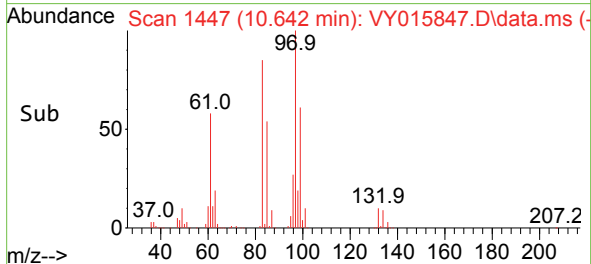
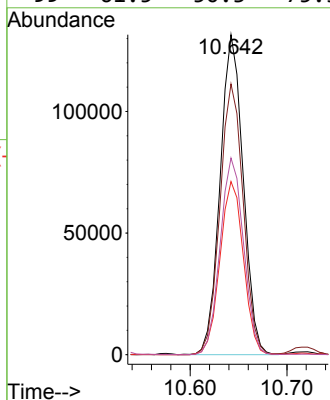
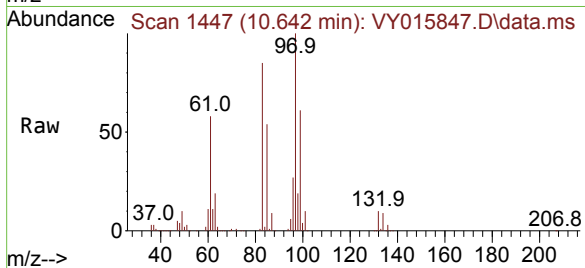




#55  
1,1,2-Trichloroethane  
Concen: 97.510 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

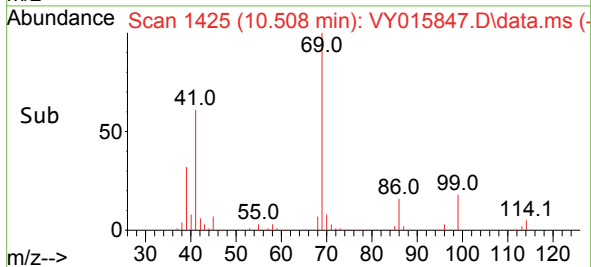
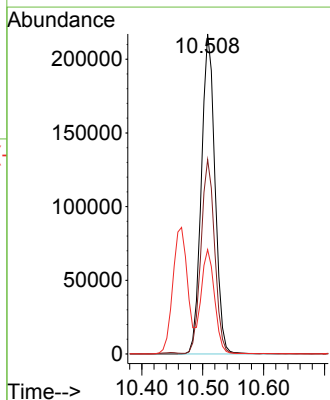
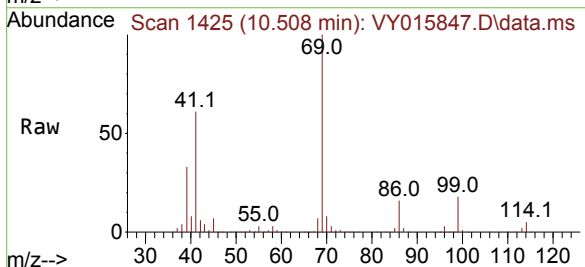
Instrument :  
MSVOA\_Y  
ClientSampleId :

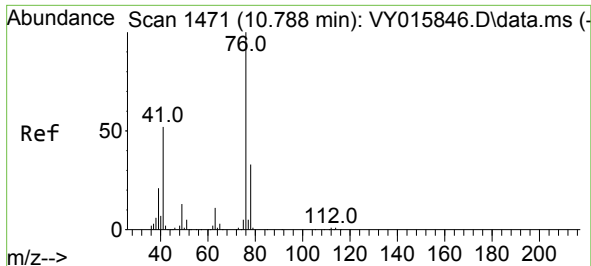
Tgt Ion: 97 Resp: 218083  
Ion Ratio Lower Upper  
97 100  
83 84.6 72.0 108.0  
85 54.1 45.4 68.0  
99 61.5 50.3 75.5



#56  
Ethyl methacrylate  
Concen: 104.235 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 69 Resp: 338011  
Ion Ratio Lower Upper  
69 100  
41 60.8 57.6 86.4  
39 32.8 34.1 51.1#

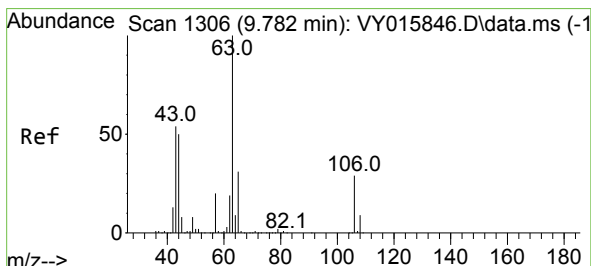
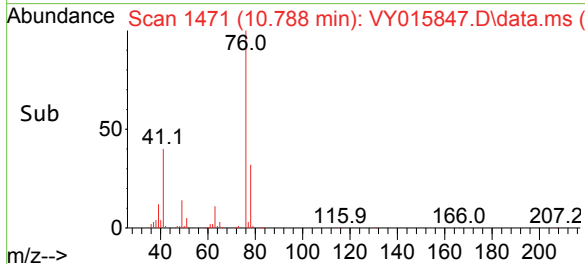
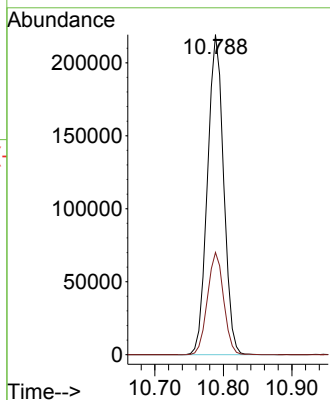
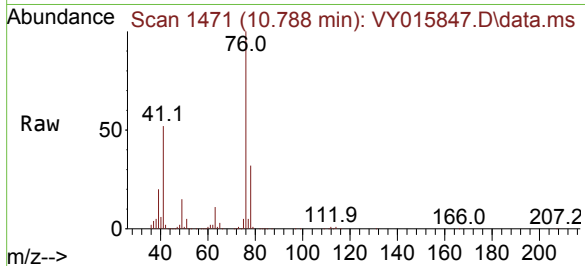




#57  
1,3-Dichloropropane  
Concen: 100.407 ug/l  
RT: 10.788 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

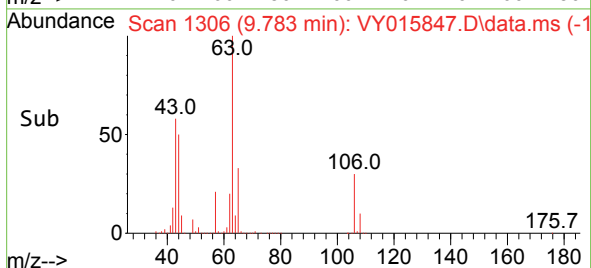
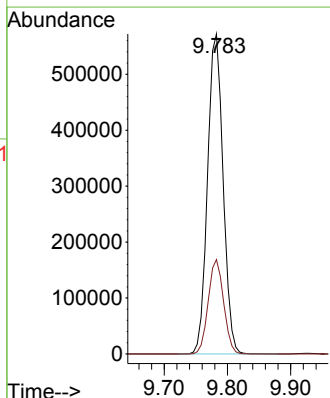
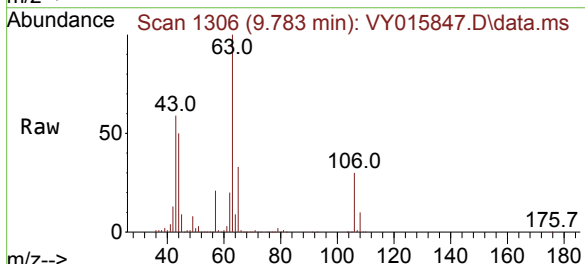
Instrument :  
MSVOA\_Y  
ClientSampleId :

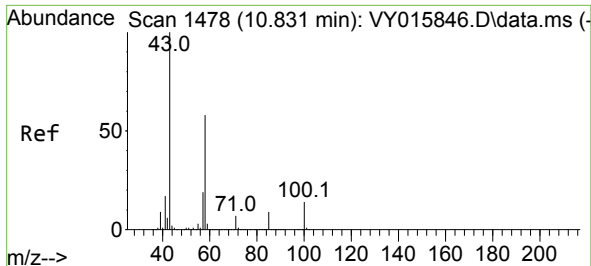
Tgt Ion: 76 Resp: 359014  
Ion Ratio Lower Upper  
76 100  
78 32.0 25.3 37.9



#58  
2-Chloroethyl Vinyl ether  
Concen: 516.471 ug/l  
RT: 9.783 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 63 Resp: 975881  
Ion Ratio Lower Upper  
63 100  
106 29.2 21.2 31.8

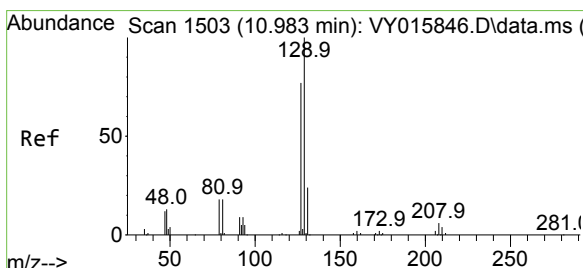
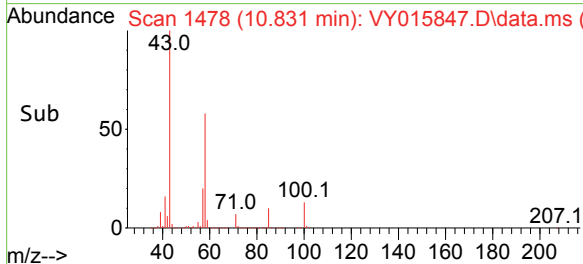
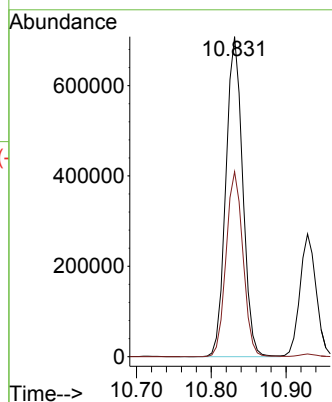
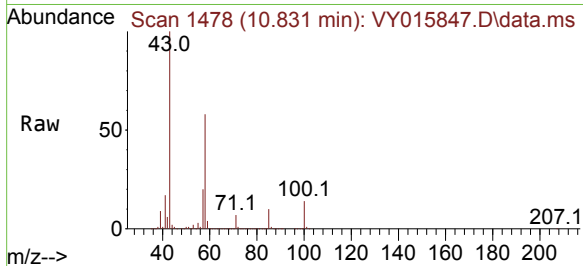




#59  
2-Hexanone  
Concen: 494.337 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

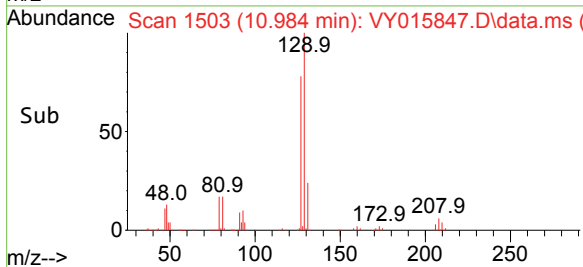
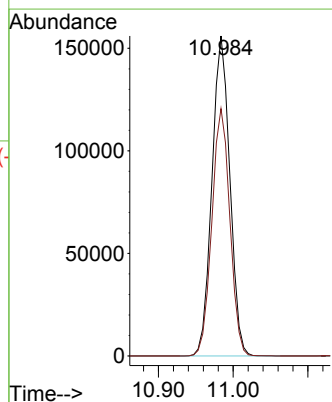
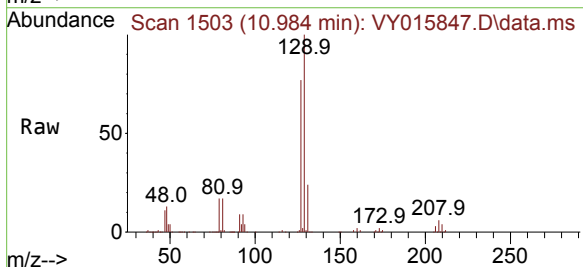
Instrument :  
MSVOA\_Y  
ClientSampleId :

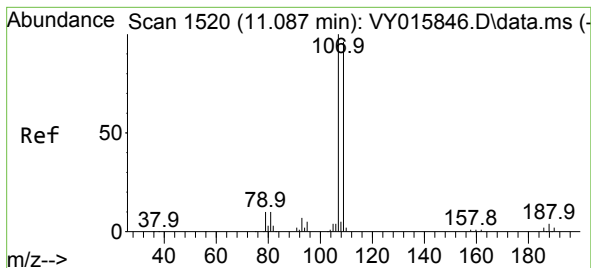
Tgt Ion: 43 Resp: 1108939  
Ion Ratio Lower Upper  
43 100  
58 57.9 25.1 75.3



#60  
Dibromochloromethane  
Concen: 100.729 ug/l  
RT: 10.984 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 129 Resp: 260207  
Ion Ratio Lower Upper  
129 100  
127 77.6 38.5 115.5

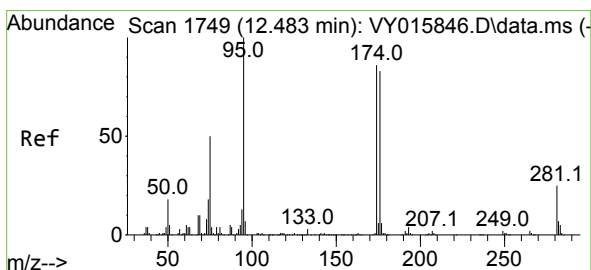
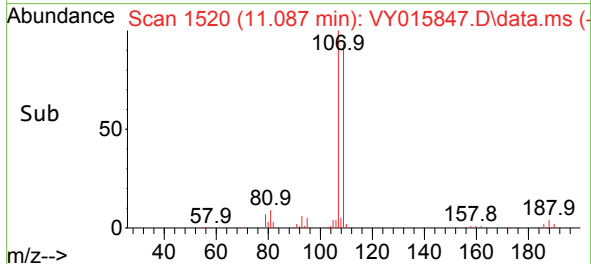
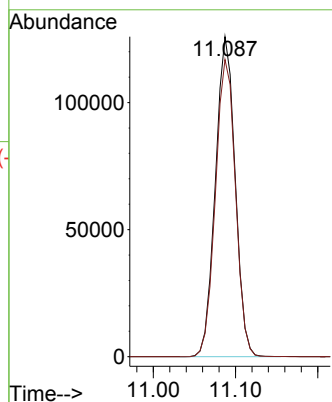
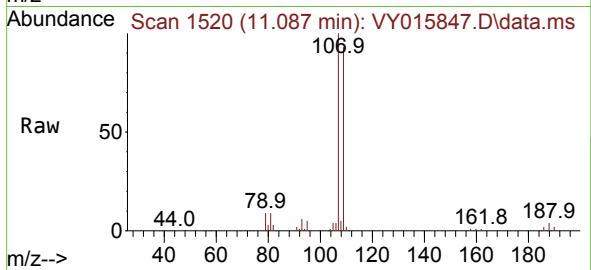




#61  
1,2-Dibromoethane  
Concen: 100.455 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

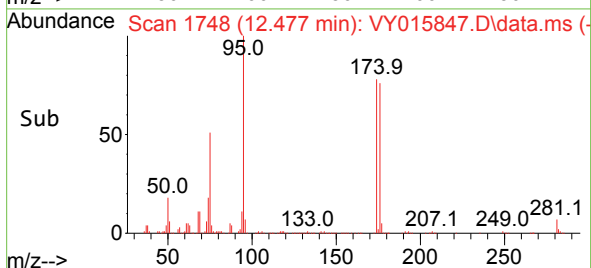
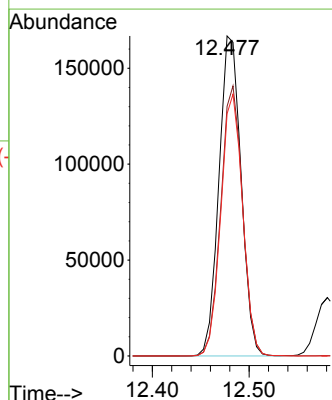
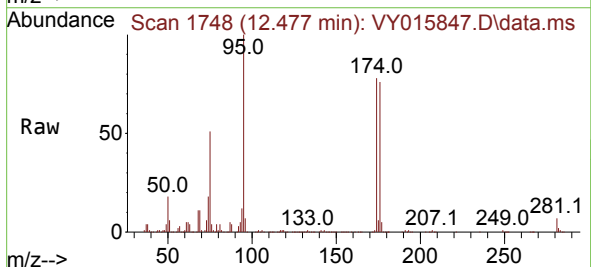
Instrument :  
MSVOA\_Y  
ClientSampleId :

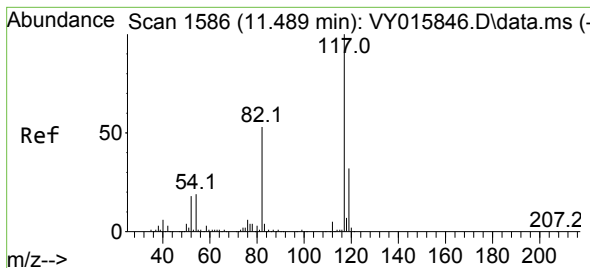
Tgt Ion:107 Resp: 209962  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 99.149 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 95 Resp: 264612  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 178.2  
176 80.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

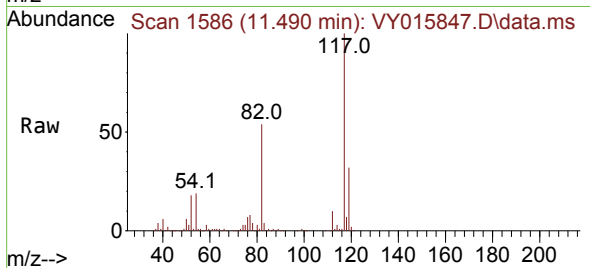
Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :



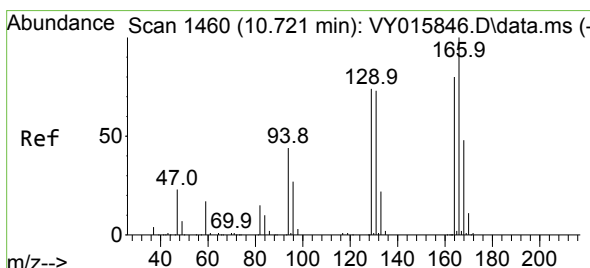
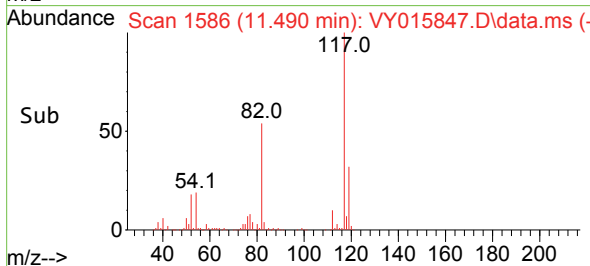
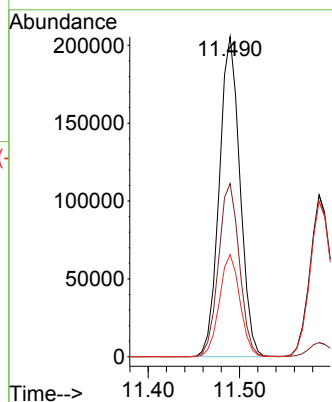
Tgt Ion:117 Resp: 323258

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 31.9 26.3 39.5



#64

Tetrachloroethene

Concen: 99.758 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Tgt Ion:164 Resp: 226666

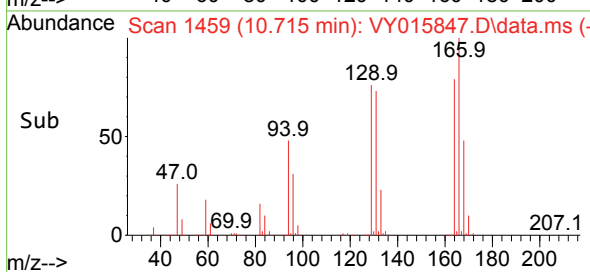
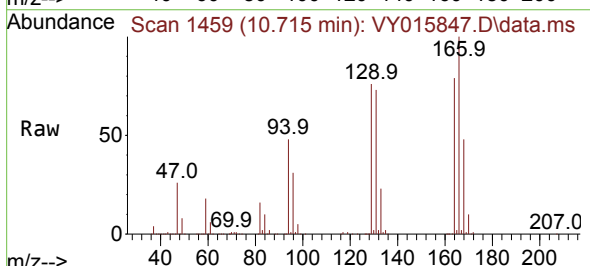
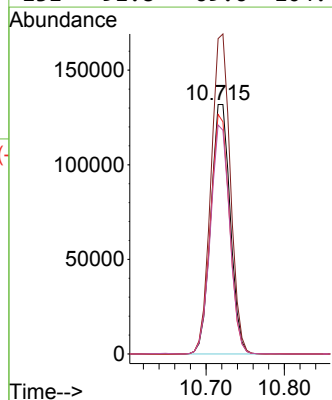
Ion Ratio Lower Upper

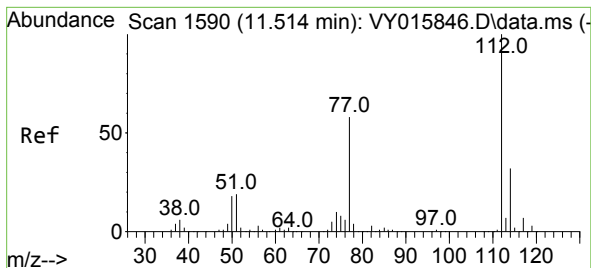
164 100

166 126.5 103.0 154.6

129 96.0 77.2 115.8

131 91.8 69.6 104.4

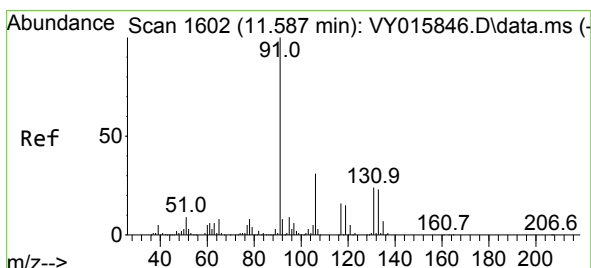
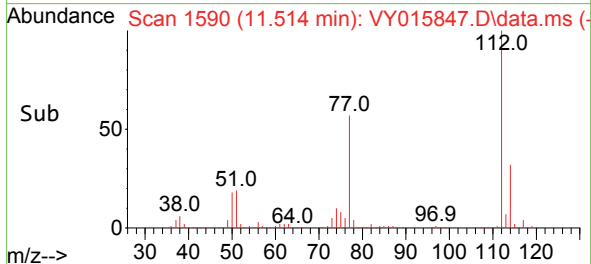
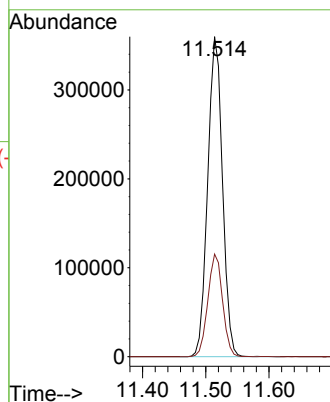
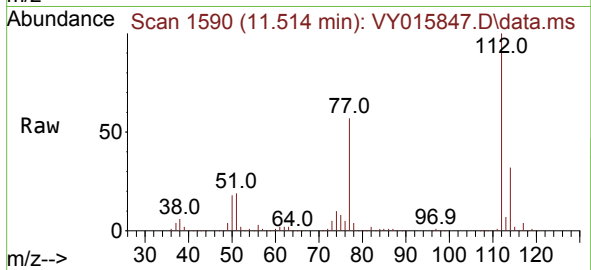




#65  
Chlorobenzene  
Concen: 97.723 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

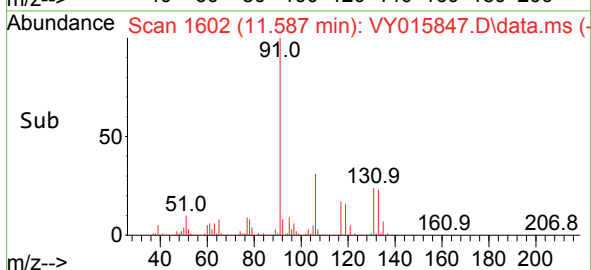
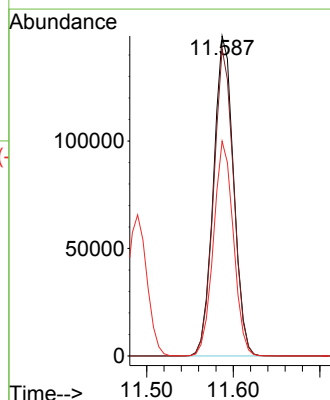
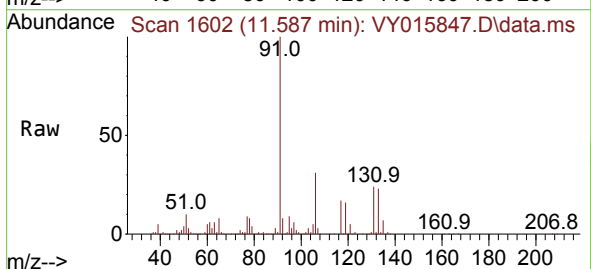
Instrument :  
MSVOA\_Y  
ClientSampleId :

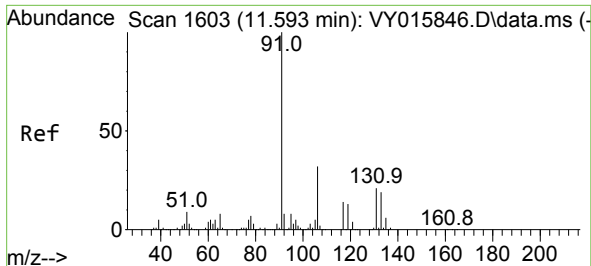
Tgt Ion:112 Resp: 584205  
Ion Ratio Lower Upper  
112 100  
114 32.0 25.5 38.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 97.816 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:131 Resp: 240429  
Ion Ratio Lower Upper  
131 100  
133 95.1 47.5 142.6  
119 66.2 31.6 94.7

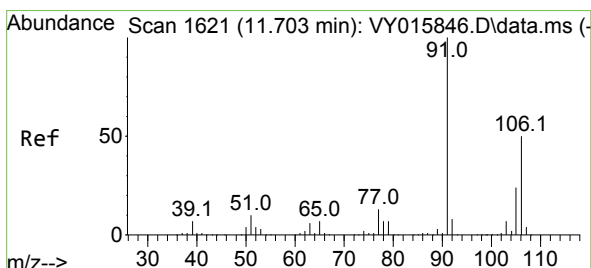
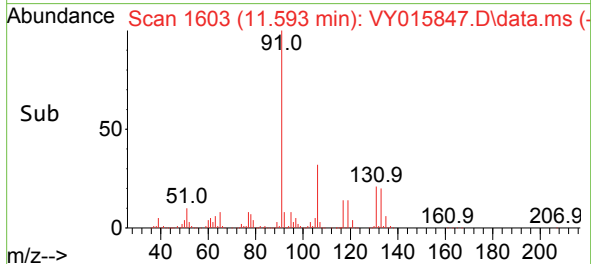
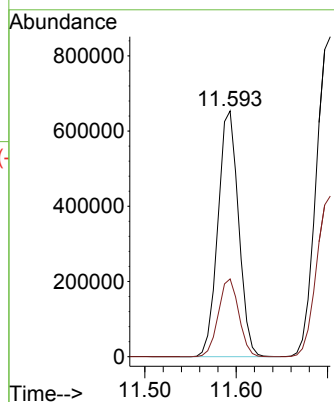
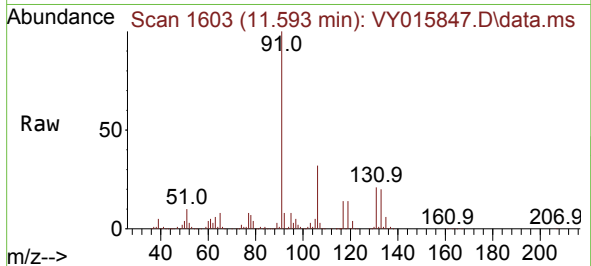




#67  
Ethyl Benzene  
Concen: 100.118 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

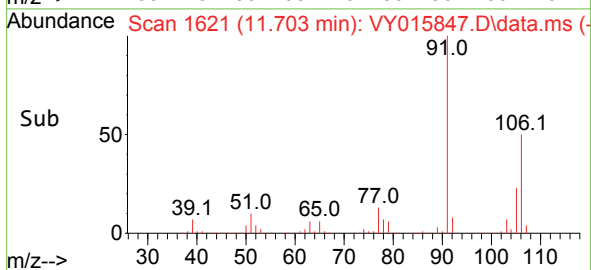
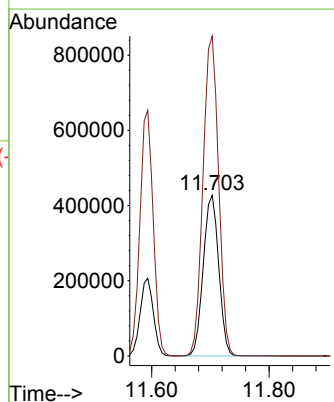
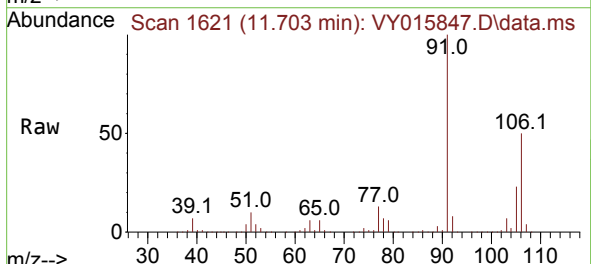
Instrument :  
MSVOA\_Y  
ClientSampleId :

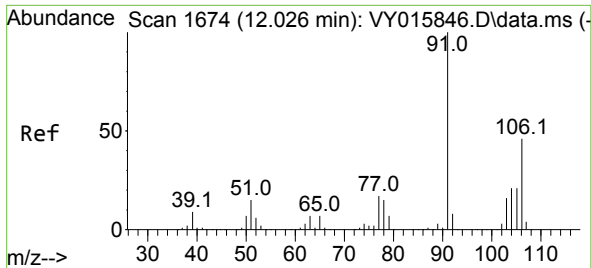
Tgt Ion: 91 Resp: 1024420  
Ion Ratio Lower Upper  
91 100  
106 31.7 24.6 36.8



#68  
m/p-Xylenes  
Concen: 200.519 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:106 Resp: 779936  
Ion Ratio Lower Upper  
106 100  
91 199.6 166.1 249.1

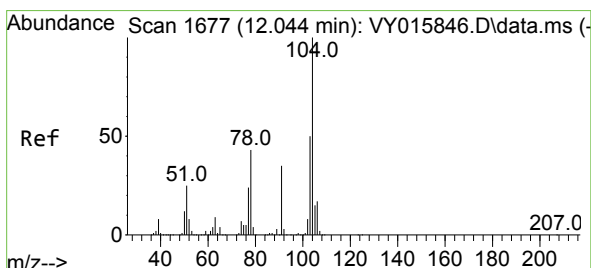
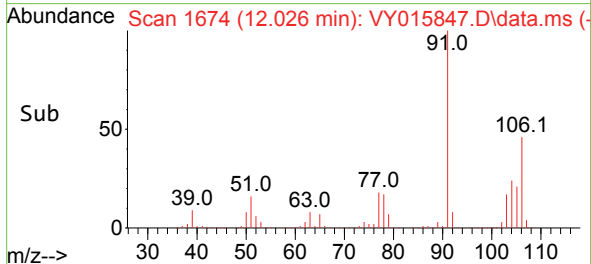
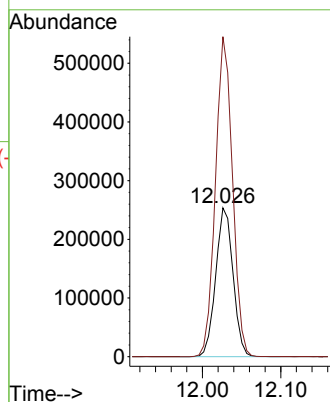
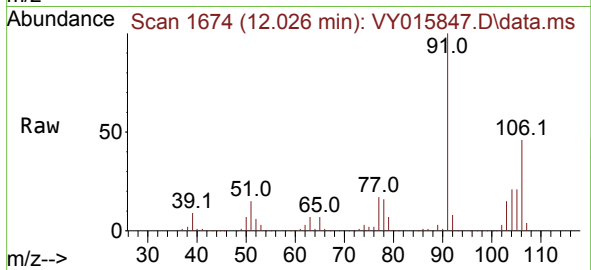




#69  
o-Xylene  
Concen: 100.792 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

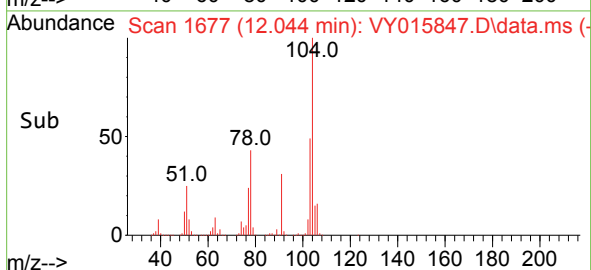
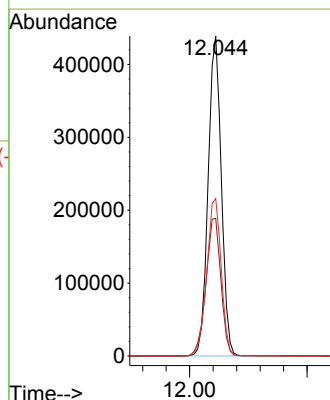
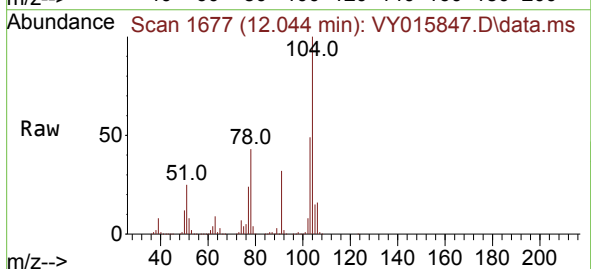
Instrument :  
MSVOA\_Y  
ClientSampleId :

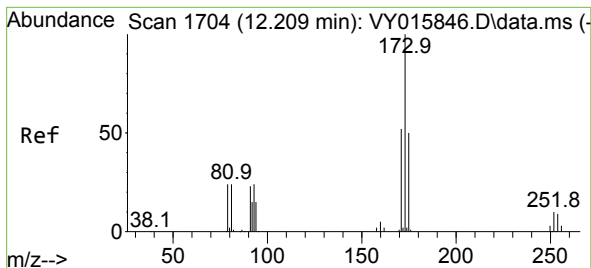
Tgt Ion:106 Resp: 389947  
Ion Ratio Lower Upper  
106 100  
91 211.8 108.1 324.3



#70  
Styrene  
Concen: 101.403 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:104 Resp: 684880  
Ion Ratio Lower Upper  
104 100  
78 48.6 41.5 62.3  
103 54.0 44.6 67.0





#71

Bromoform

Concen: 101.064 ug/l

RT: 12.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

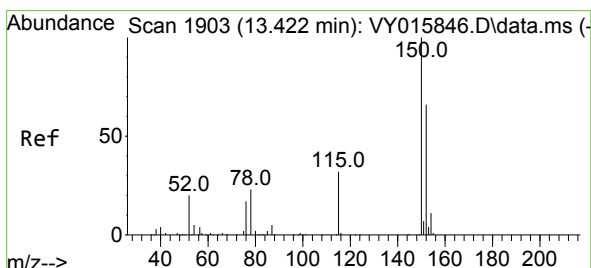
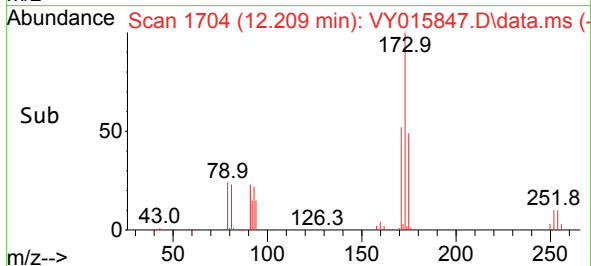
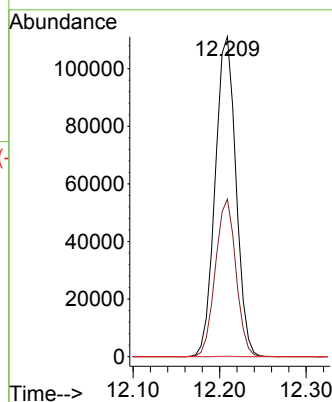
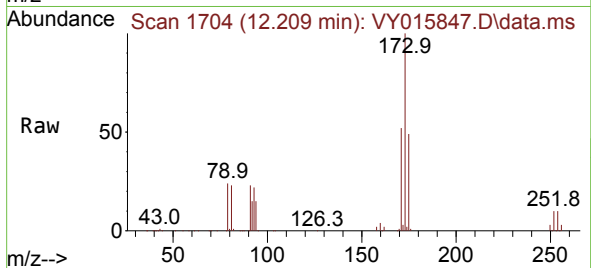
Tgt Ion:173 Resp: 185233

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.8

254 0.1 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

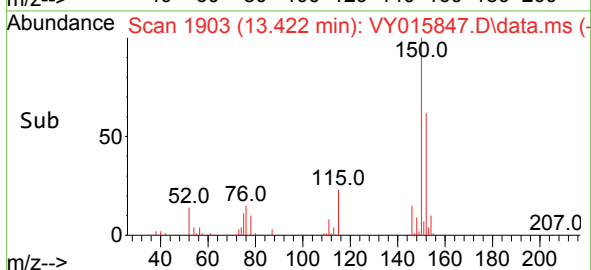
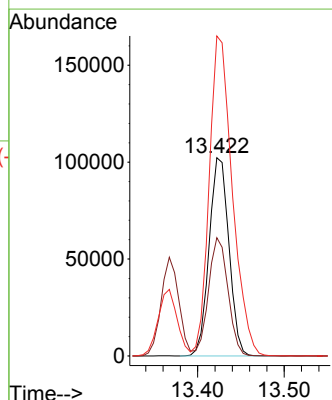
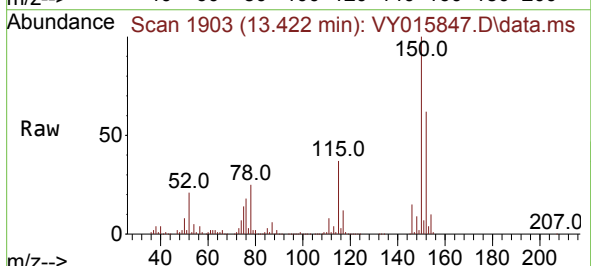
Tgt Ion:152 Resp: 162505

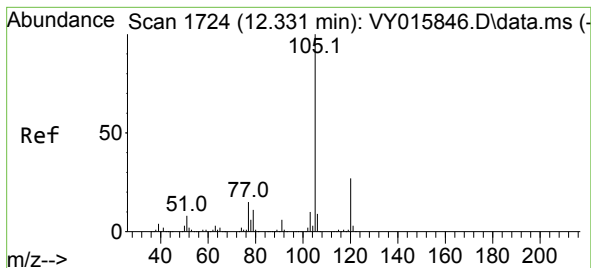
Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 188.4 0.0 348.8





#73

Isopropylbenzene

Concen: 97.817 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

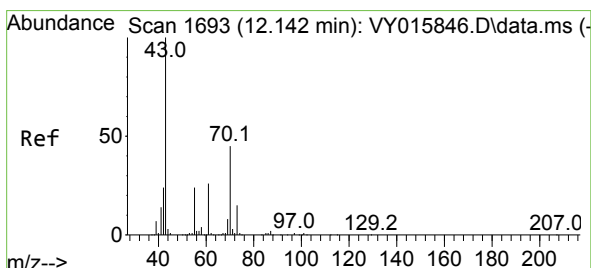
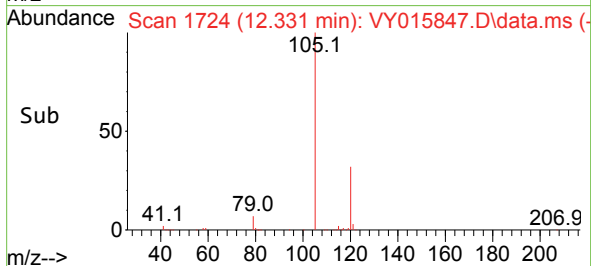
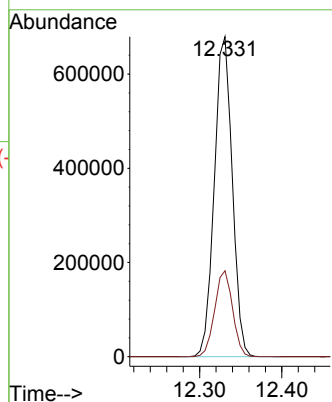
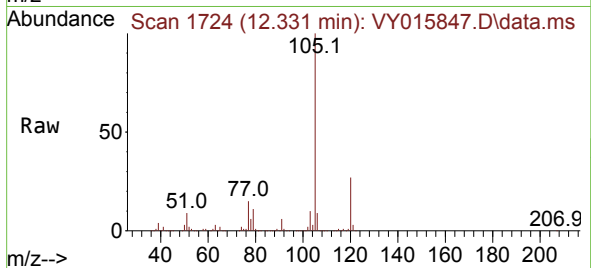
ClientSampleId :

Tgt Ion:105 Resp: 1029711

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 101.312 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Tgt Ion: 43 Resp: 412118

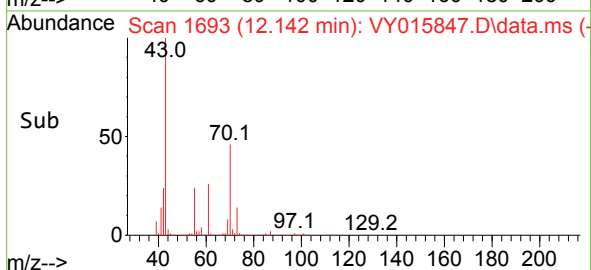
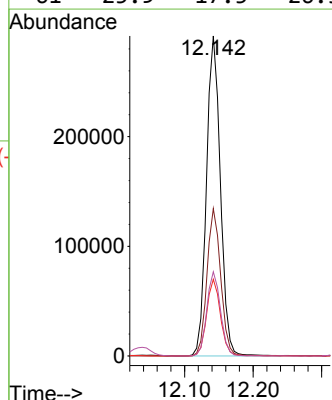
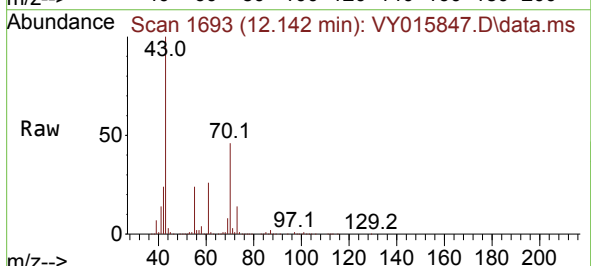
Ion Ratio Lower Upper

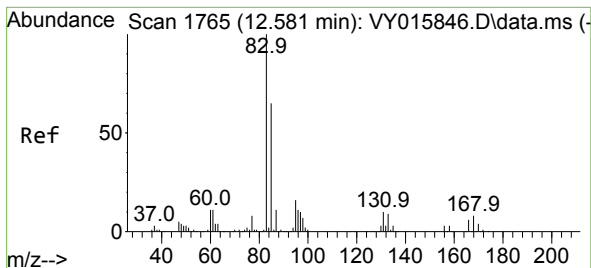
43 100

70 45.7 29.7 44.5#

55 23.9 18.3 27.5

61 25.9 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 98.236 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

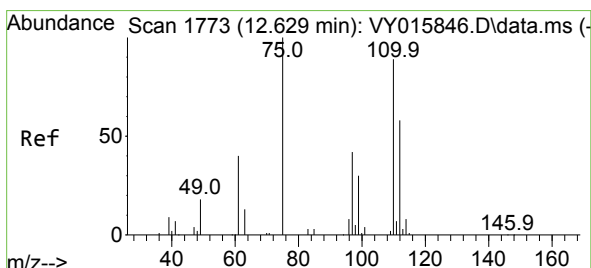
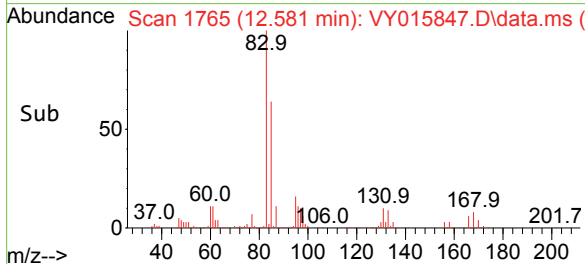
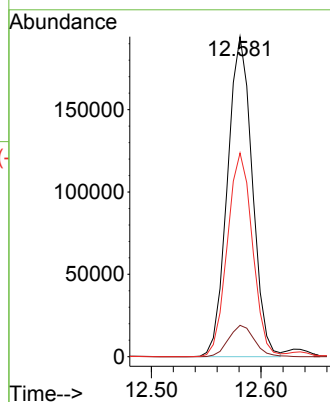
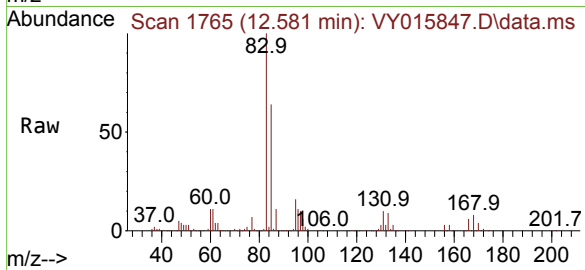
Tgt Ion: 83 Resp: 305473

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

85 64.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 165.266 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY015847.D

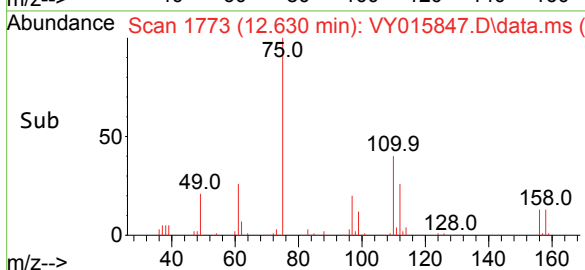
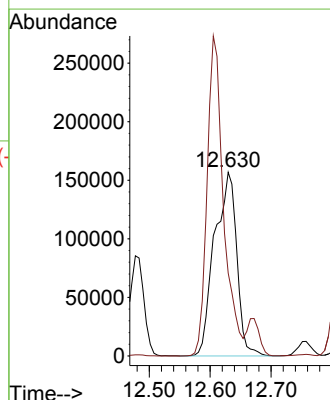
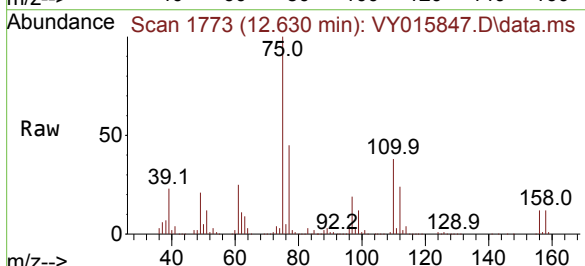
Acq: 05 Oct 2023 14:01

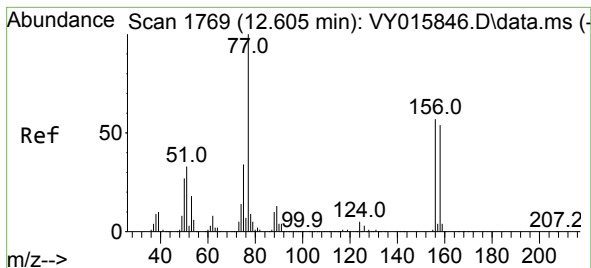
Tgt Ion: 75 Resp: 397570

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 98.165 ug/l

RT: 12.611 min Scan# 1770

Delta R.T. 0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

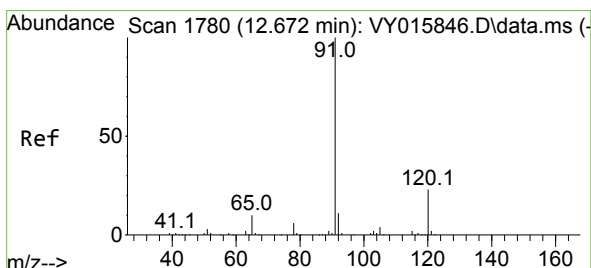
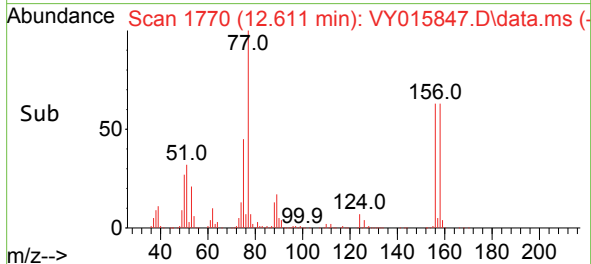
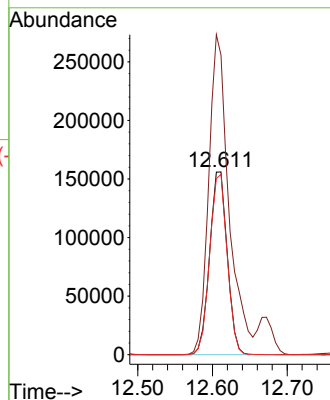
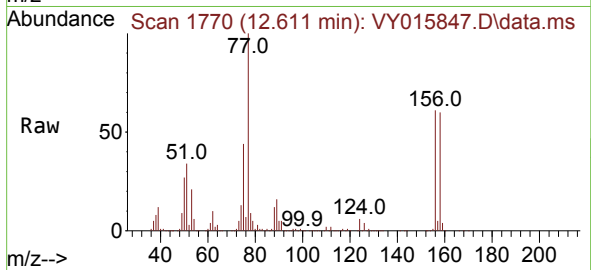
Tgt Ion:156 Resp: 255640

Ion Ratio Lower Upper

156 100

77 200.3 92.8 278.6

158 97.8 48.4 145.3



#78

n-propylbenzene

Concen: 98.124 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY015847.D

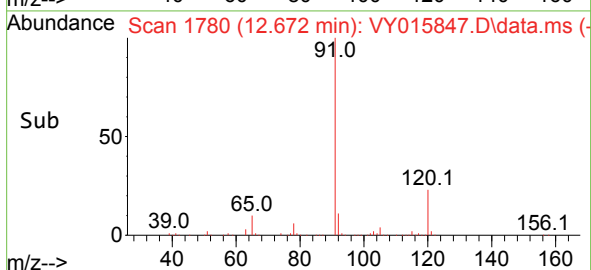
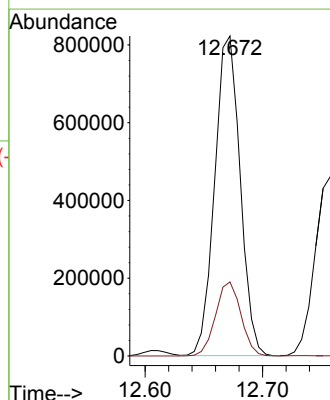
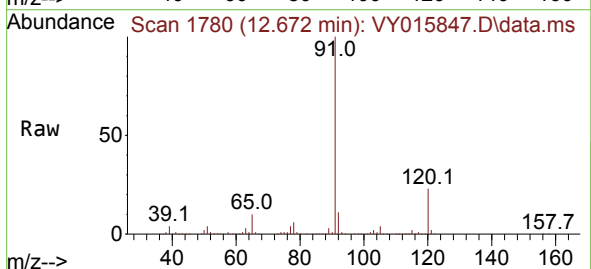
Acq: 05 Oct 2023 14:01

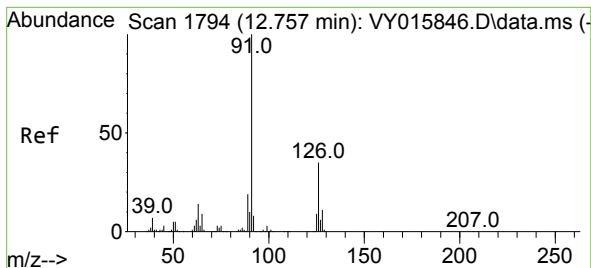
Tgt Ion: 91 Resp: 1237251

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

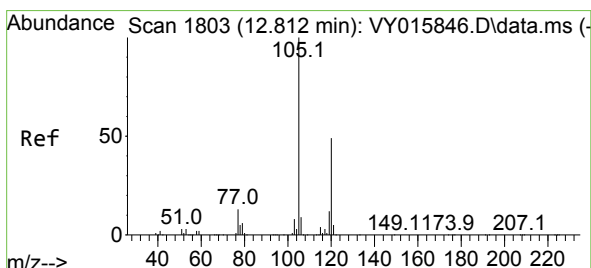
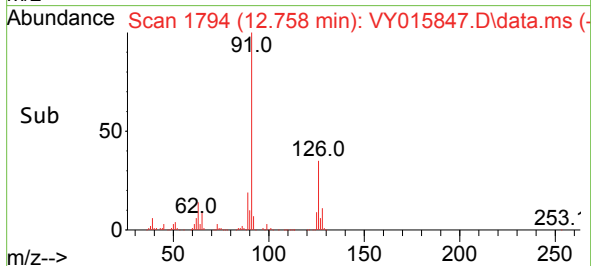
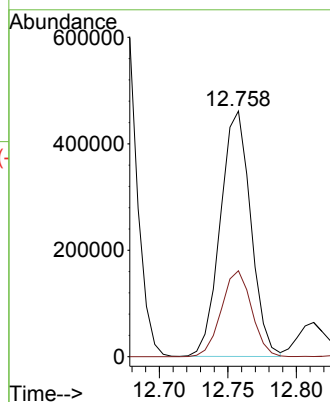
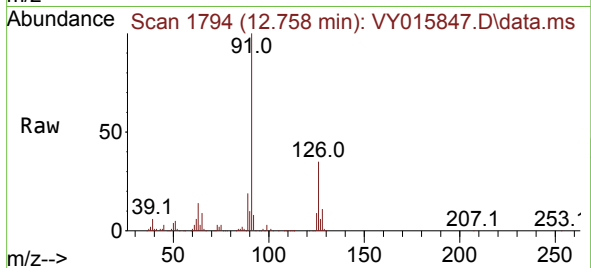




#79  
2-Chlorotoluene  
Concen: 98.178 ug/l  
RT: 12.758 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

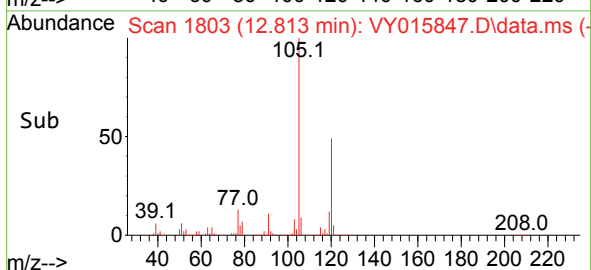
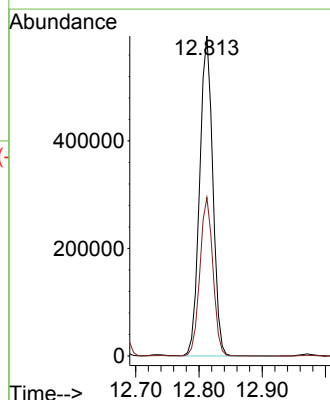
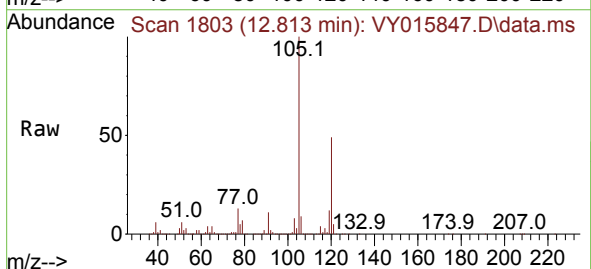
Instrument :  
MSVOA\_Y  
ClientSampleId :

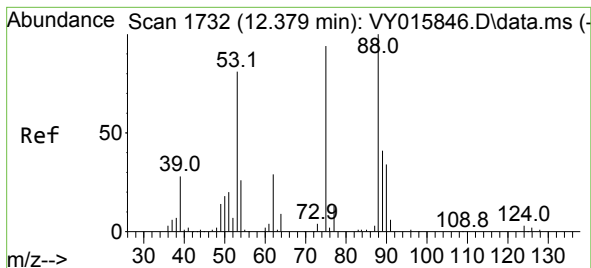
Tgt Ion: 91 Resp: 712884  
Ion Ratio Lower Upper  
91 100  
126 34.9 17.3 51.7



#80  
1,3,5-Trimethylbenzene  
Concen: 98.177 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion: 105 Resp: 861310  
Ion Ratio Lower Upper  
105 100  
120 49.2 23.9 71.7

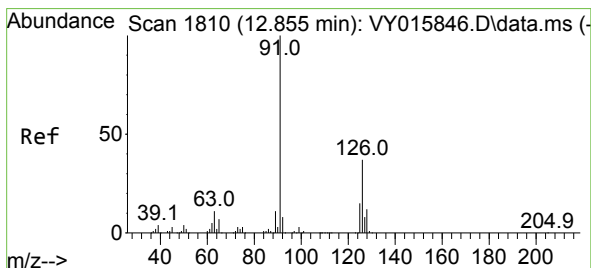
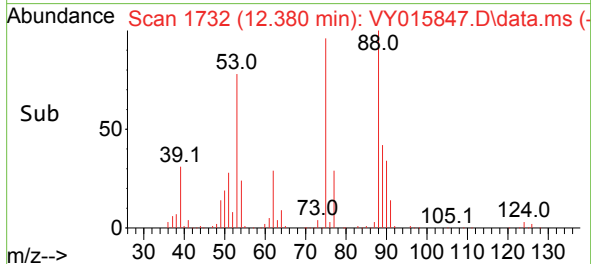
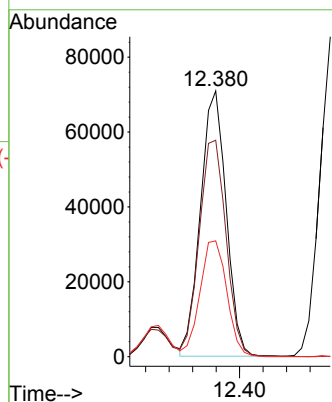
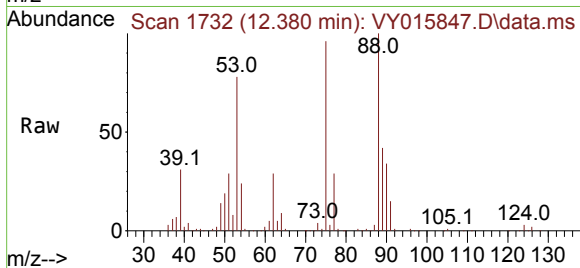




#81  
trans-1,4-Dichloro-2-butene  
Concen: 103.706 ug/l  
RT: 12.380 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

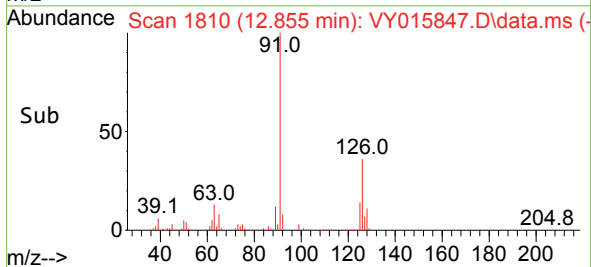
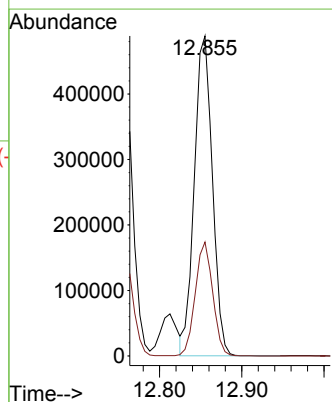
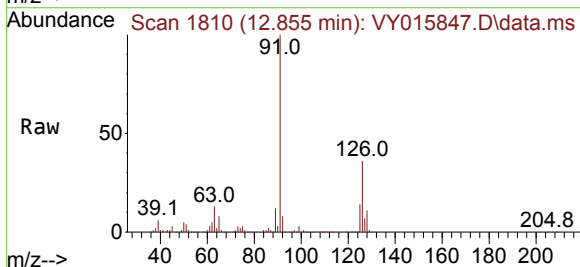
Instrument :  
MSVOA\_Y  
ClientSampleId :

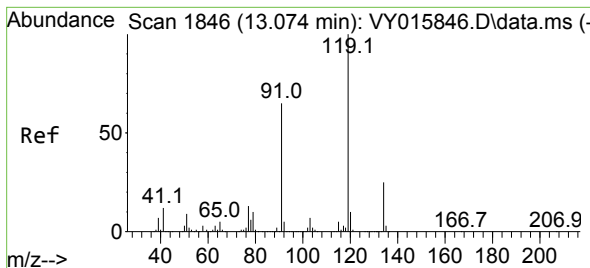
Tgt Ion: 75 Resp: 107772  
Ion Ratio Lower Upper  
75 100  
53 85.5 77.8 116.8  
89 45.7 37.4 56.0



#82  
4-Chlorotoluene  
Concen: 98.010 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

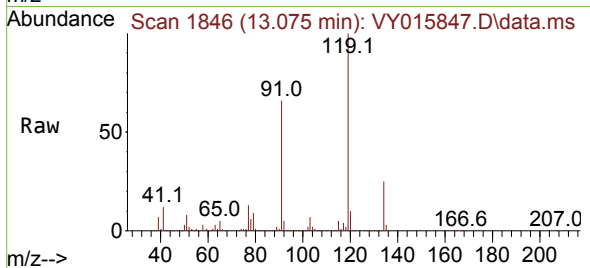
Tgt Ion: 91 Resp: 744855  
Ion Ratio Lower Upper  
91 100  
126 34.5 17.2 51.6



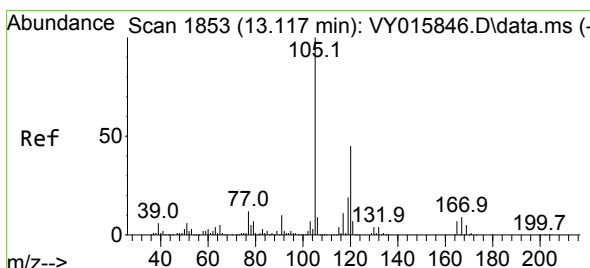
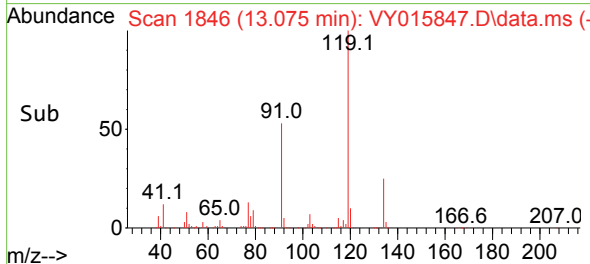
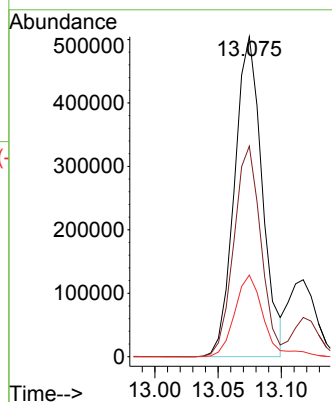


#83  
tert-Butylbenzene  
Concen: 95.991 ug/l  
RT: 13.075 min Scan# 1846  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Instrument :  
MSVOA\_Y  
ClientSampleId :

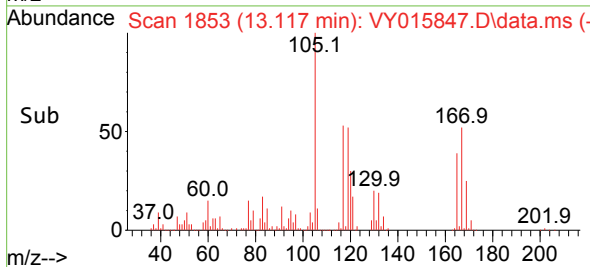
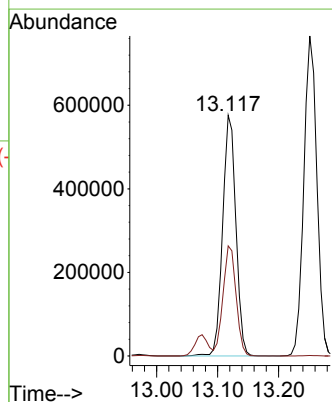
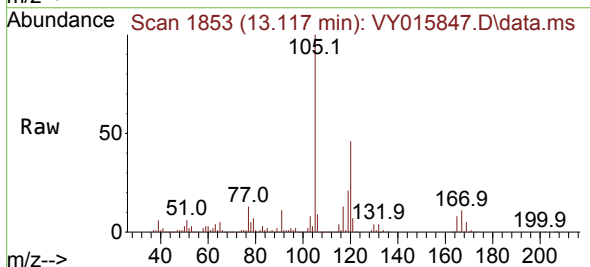


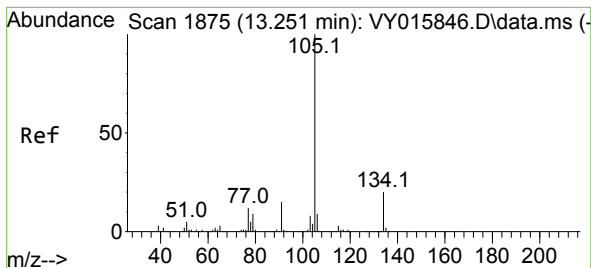
Tgt Ion:119 Resp: 769779  
Ion Ratio Lower Upper  
119 100  
91 64.2 32.9 98.6  
134 26.6 13.0 38.9



#84  
1,2,4-Trimethylbenzene  
Concen: 98.609 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

Tgt Ion:105 Resp: 869096  
Ion Ratio Lower Upper  
105 100  
120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 96.702 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

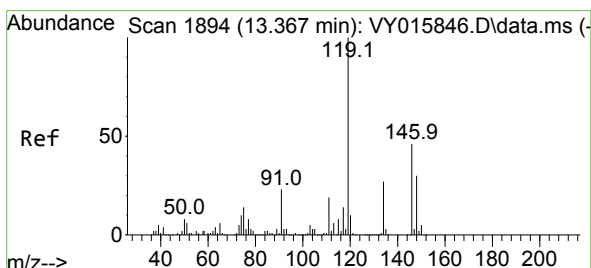
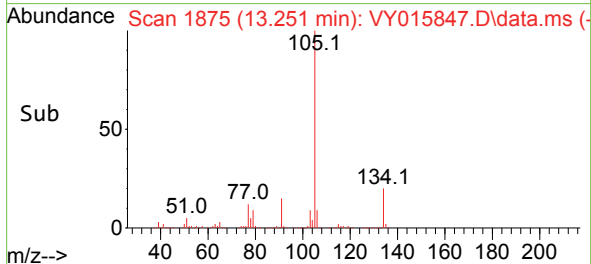
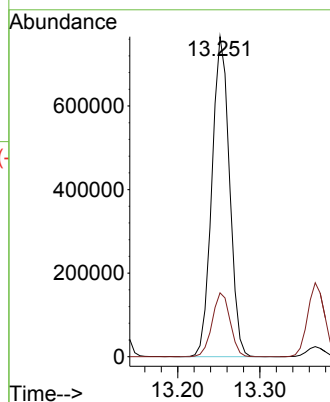
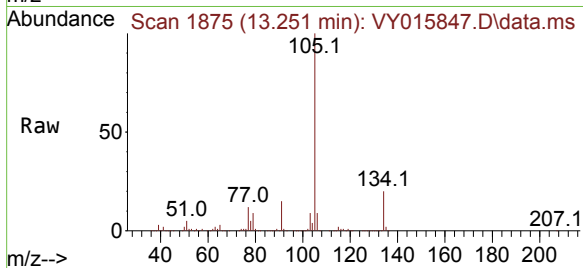
ClientSampleId :

Tgt Ion:105 Resp: 1137719

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 97.553 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

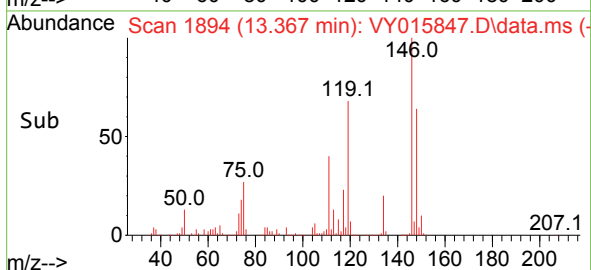
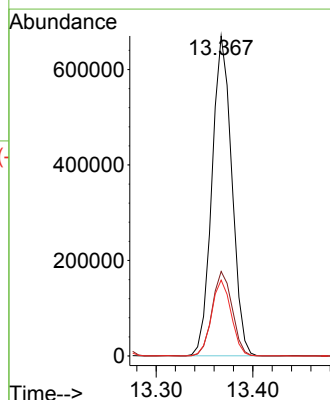
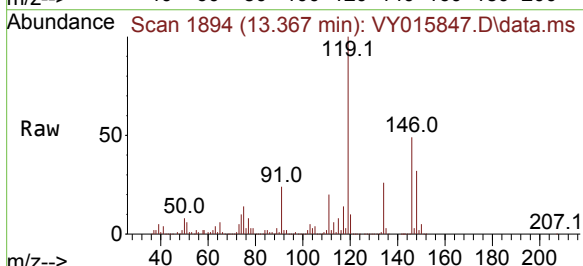
Tgt Ion:119 Resp: 955775

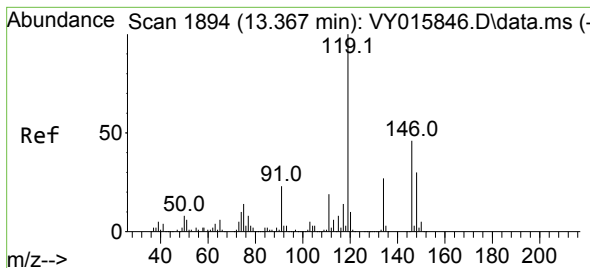
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.5 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 96.737 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

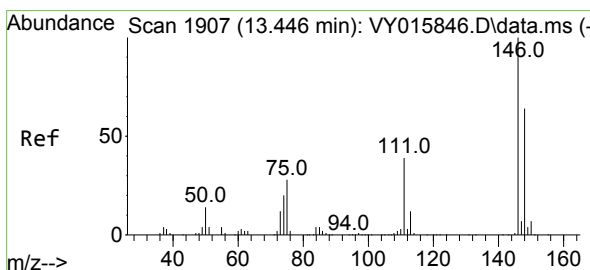
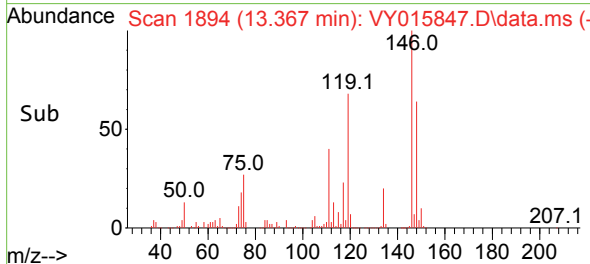
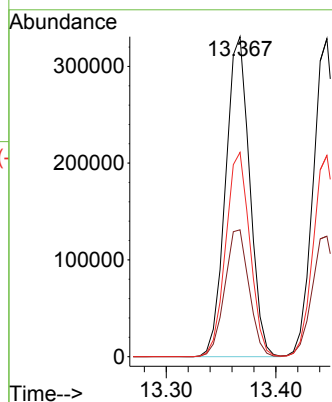
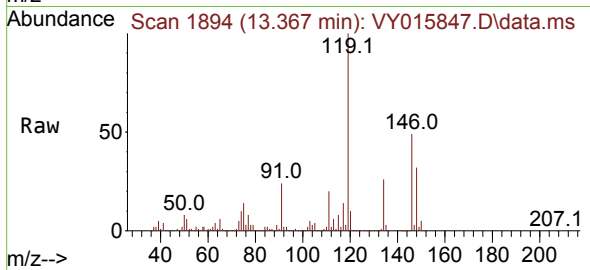
Tgt Ion:146 Resp: 504402

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.2

148 64.2 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 95.733 ug/l

RT: 13.447 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

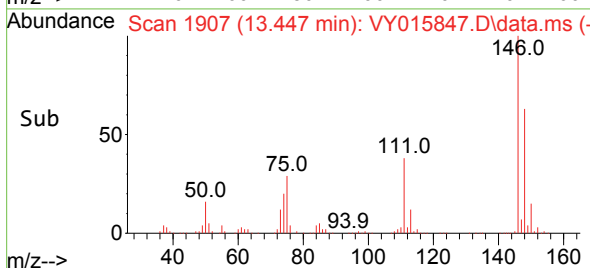
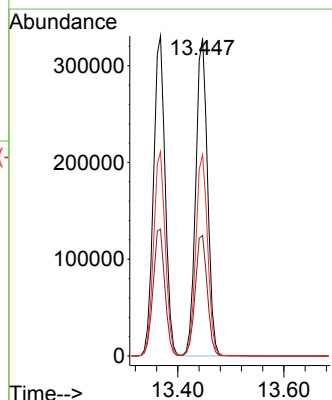
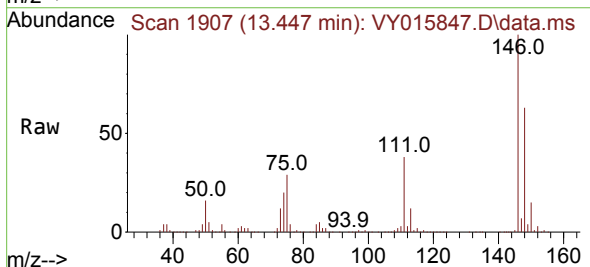
Tgt Ion:146 Resp: 504690

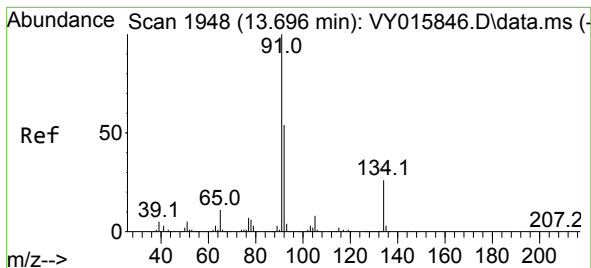
Ion Ratio Lower Upper

146 100

111 38.6 18.9 56.7

148 63.6 32.1 96.5





#89

n-Butylbenzene

Concen: 97.331 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

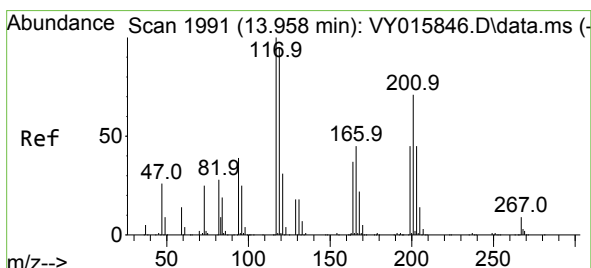
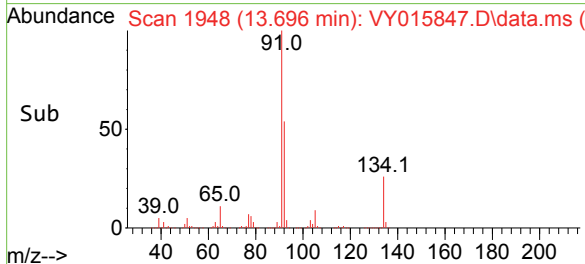
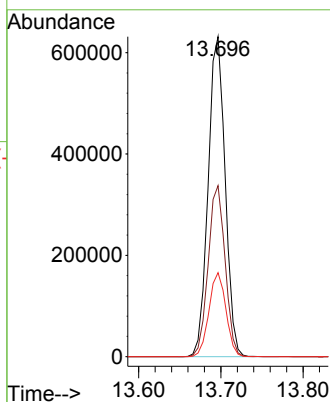
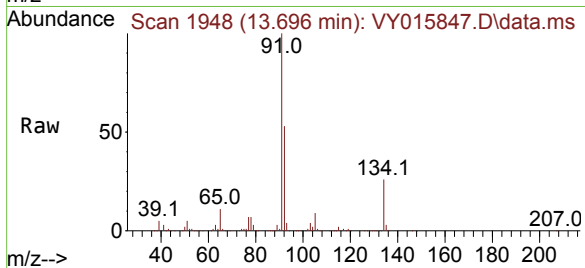
Tgt Ion: 91 Resp: 907407

Ion Ratio Lower Upper

91 100

92 53.4 25.4 76.0

134 26.2 12.6 37.6



#90

Hexachloroethane

Concen: 98.766 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. 0.000 min

Lab File: VY015847.D

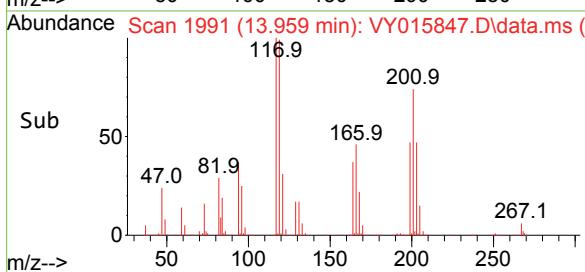
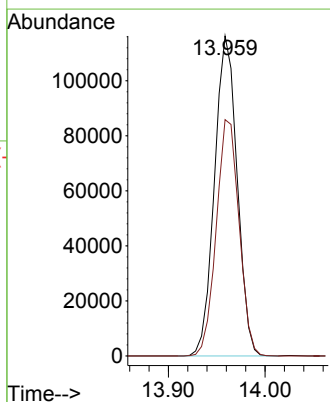
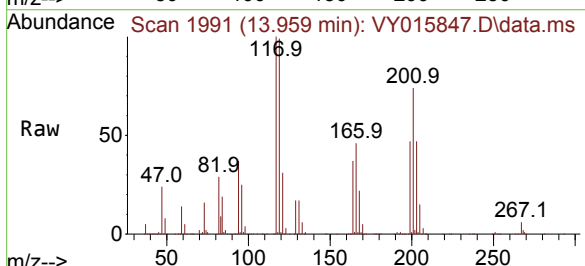
Acq: 05 Oct 2023 14:01

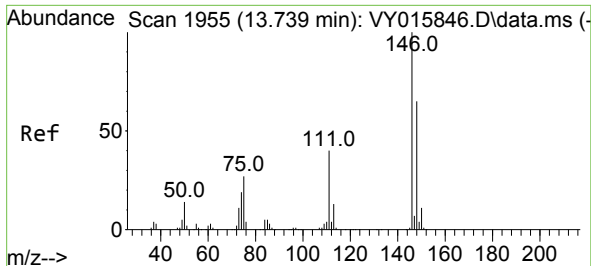
Tgt Ion: 117 Resp: 188878

Ion Ratio Lower Upper

117 100

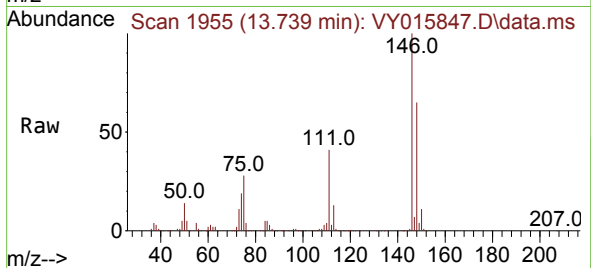
201 74.5 41.6 124.8



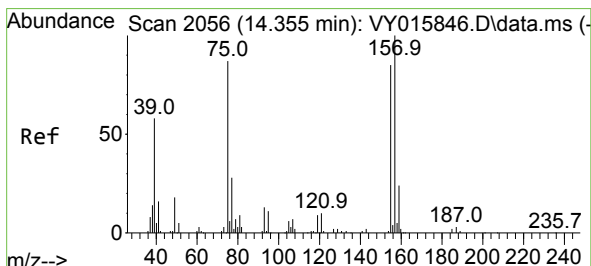
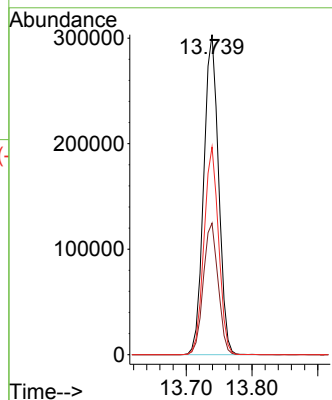
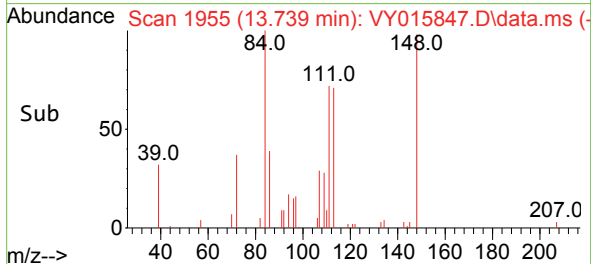


#91  
1,2-Dichlorobenzene  
Concen: 96.731 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01

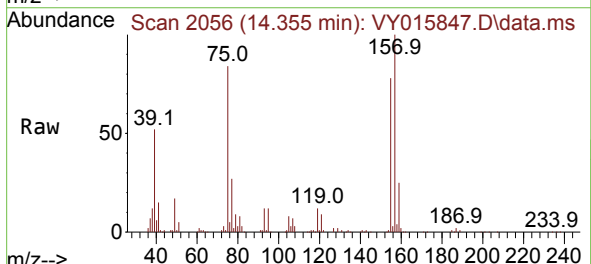
Instrument :  
MSVOA\_Y  
ClientSampleId :



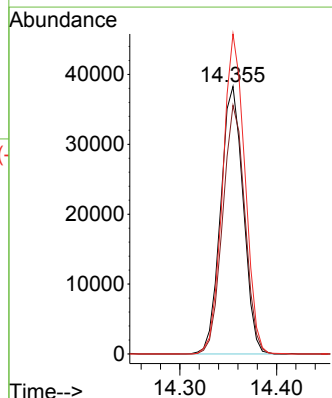
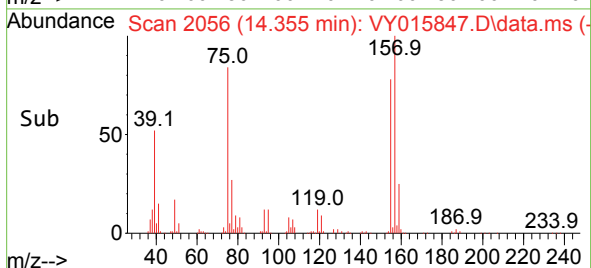
Tgt Ion:146 Resp: 475001  
Ion Ratio Lower Upper  
146 100  
111 41.2 19.7 59.0  
148 63.9 32.0 96.2

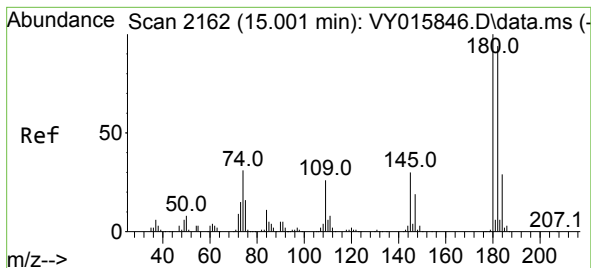


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 99.132 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. 0.000 min  
Lab File: VY015847.D  
Acq: 05 Oct 2023 14:01



Tgt Ion: 75 Resp: 61854  
Ion Ratio Lower Upper  
75 100  
155 91.6 41.5 124.6  
157 117.3 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 99.257 ug/l

RT: 15.007 min Scan# 2162

Delta R.T. 0.006 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

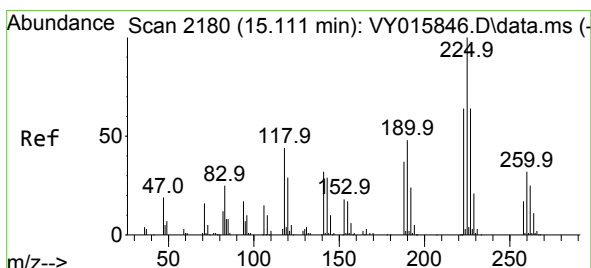
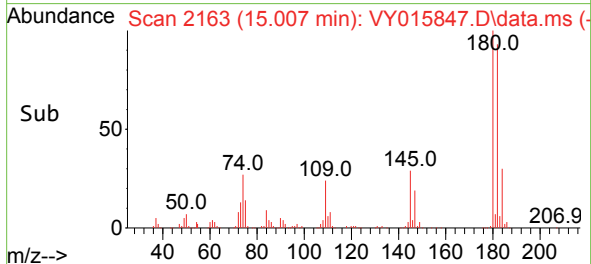
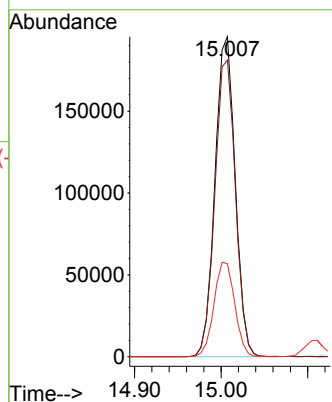
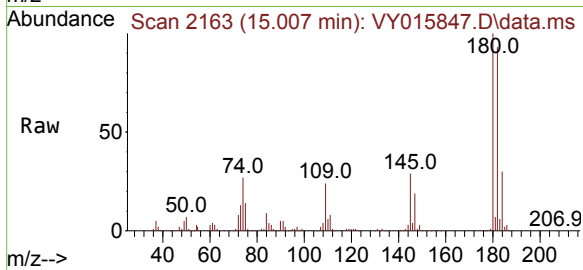
Tgt Ion:180 Resp: 317237

Ion Ratio Lower Upper

180 100

182 94.2 47.0 141.2

145 30.4 14.5 43.5



#94

Hexachlorobutadiene

Concen: 94.484 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

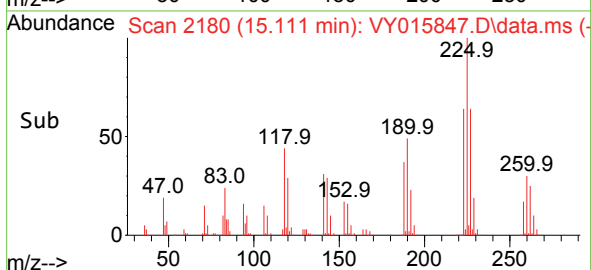
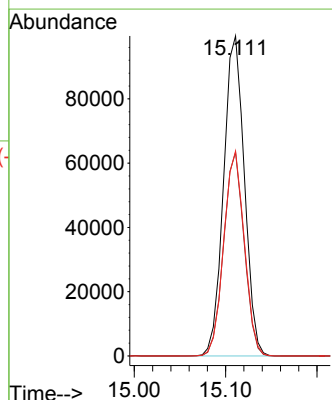
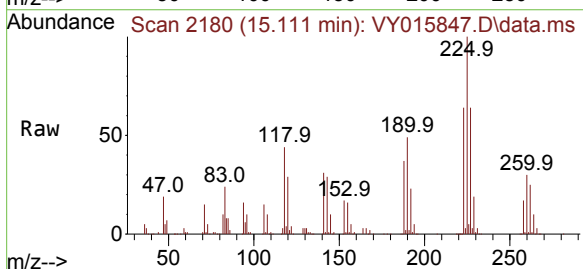
Tgt Ion:225 Resp: 157350

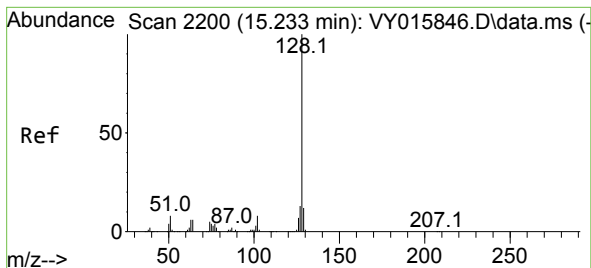
Ion Ratio Lower Upper

225 100

223 62.6 31.9 95.9

227 63.5 33.0 98.9





#95

Naphthalene

Concen: 101.607 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Instrument :

MSVOA\_Y

ClientSampleId :

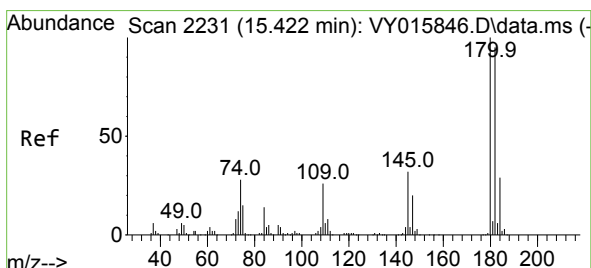
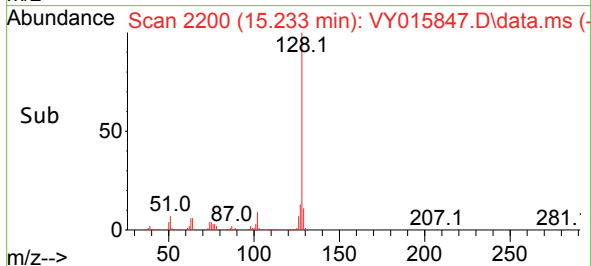
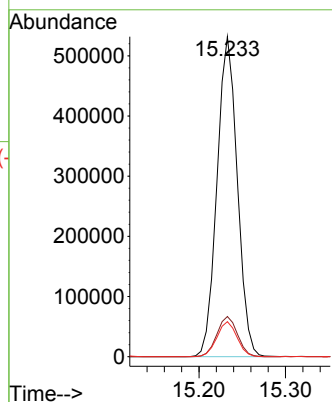
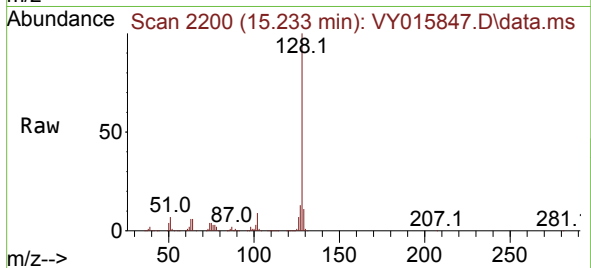
Tgt Ion:128 Resp: 865935

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 98.065 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY015847.D

Acq: 05 Oct 2023 14:01

Tgt Ion:180 Resp: 293667

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.8

145 32.6 15.4 46.2

