

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101124\  
 Data File : VY019880.D  
 Acq On : 11 Oct 2024 18:31  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 14 01:51:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 281436   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 524979   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 462752   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 218799   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 206726   | 59.656   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 119.320% |      |
| 35) Dibromofluoromethane    | 7.640  | 113   | 196002   | 56.578   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 113.160% |      |
| 50) Toluene-d8              | 10.109 | 98    | 710310   | 55.523   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 111.040% |      |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 252966   | 54.725   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | = 109.440% |      |

|                              |       |     |         |         |      |      |
|------------------------------|-------|-----|---------|---------|------|------|
| Target Compounds             |       |     |         | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 120605  | 46.033  | ug/l | 100  |
| 3) Chloromethane             | 2.068 | 50  | 195491  | 57.330  | ug/l | 99   |
| 4) Vinyl Chloride            | 2.208 | 62  | 199353  | 53.127  | ug/l | 99   |
| 5) Bromomethane              | 2.598 | 94  | 135869  | 57.206  | ug/l | 100  |
| 6) Chloroethane              | 2.739 | 64  | 141953  | 56.312  | ug/l | 98   |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 280631  | 50.261  | ug/l | 96   |
| 8) Diethyl Ether             | 3.458 | 74  | 95895   | 56.510  | ug/l | 78   |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 159747  | 49.187  | ug/l | 91   |
| 10) Methyl Iodide            | 4.007 | 142 | 175855  | 53.538  | ug/l | 90   |
| 11) Tert butyl alcohol       | 4.878 | 59  | 66824   | 205.839 | ug/l | # 82 |
| 12) 1,1-Dichloroethene       | 3.793 | 96  | 155689  | 51.565  | ug/l | 83   |
| 13) Acrolein                 | 3.659 | 56  | 66681   | 261.874 | ug/l | 99   |
| 14) Allyl chloride           | 4.385 | 41  | 299716  | 55.018  | ug/l | # 91 |
| 15) Acrylonitrile            | 5.061 | 53  | 228943  | 294.966 | ug/l | 99   |
| 16) Acetone                  | 3.873 | 43  | 206352  | 228.752 | ug/l | # 84 |
| 17) Carbon Disulfide         | 4.110 | 76  | 440822  | 54.471  | ug/l | 99   |
| 18) Methyl Acetate           | 4.391 | 43  | 120947  | 62.240  | ug/l | # 87 |
| 19) Methyl tert-butyl Ether  | 5.122 | 73  | 484166  | 55.818  | ug/l | 98   |
| 20) Methylene Chloride       | 4.616 | 84  | 192479  | 57.874  | ug/l | # 80 |
| 21) trans-1,2-Dichloroethene | 5.122 | 96  | 177606  | 54.048  | ug/l | # 84 |
| 22) Diisopropyl ether        | 6.019 | 45  | 691994  | 58.317  | ug/l | # 89 |
| 23) Vinyl Acetate            | 5.964 | 43  | 1938531 | 284.972 | ug/l | # 91 |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 376624  | 57.099  | ug/l | 95   |
| 25) 2-Butanone               | 6.896 | 43  | 317371  | 262.843 | ug/l | # 84 |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 270200  | 45.997  | ug/l | 97   |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 228267  | 56.211  | ug/l | 85   |
| 28) Bromochloromethane       | 7.244 | 49  | 169838  | 58.500  | ug/l | # 73 |
| 29) Tetrahydrofuran          | 7.262 | 42  | 201539  | 292.327 | ug/l | # 83 |
| 30) Chloroform               | 7.421 | 83  | 384743  | 57.221  | ug/l | 99   |
| 31) Cyclohexane              | 7.701 | 56  | 280168  | 48.387  | ug/l | 87   |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 312514  | 53.035  | ug/l | 95   |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 245579  | 49.205  | ug/l | 94   |
| 37) Ethyl Acetate            | 6.982 | 43  | 139813  | 53.723  | ug/l | 95   |
| 38) Carbon Tetrachloride     | 7.823 | 117 | 258822  | 48.374  | ug/l | 97   |
| 39) Methylcyclohexane        | 9.109 | 83  | 287394  | 45.701  | ug/l | # 86 |
| 40) Benzene                  | 8.079 | 78  | 801105  | 53.037  | ug/l | 99   |

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 Sample : VSTDCCC050  
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 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Oct 14 01:51:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 10 05:30:07 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 81717    | 58.016   | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 236237   | 54.440   | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 284235   | 53.554   | ug/l # | 79       |
| 44) Trichloroethene           | 8.866  | 130  | 182317   | 49.836   | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 201413   | 53.275   | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 107044   | 51.823   | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.420  | 83   | 294646   | 53.742   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.219  | 41   | 129432   | 55.440   | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 24035    | 1039.653 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 754510   | 278.711  | ug/l   | 89       |
| 52) Toluene                   | 10.170 | 92   | 500162   | 53.049   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 259711   | 52.647   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 301587   | 51.812   | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 145004   | 53.283   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 213178   | 54.592   | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 258053   | 53.996   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 528327   | 290.632  | ug/l   | 93       |
| 59) 2-Hexanone                | 10.762 | 43   | 505292   | 261.332  | ug/l   | 86       |
| 60) Dibromochloromethane      | 10.908 | 129  | 186884   | 53.503   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 128565   | 52.280   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 163298   | 49.612   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.438 | 112  | 536883   | 50.725   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 185698   | 51.856   | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.518 | 91   | 968643   | 50.380   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 706785   | 99.535   | ug/l   | 91       |
| 69) o-Xylene                  | 11.950 | 106  | 344997   | 50.567   | ug/l   | 91       |
| 70) Styrene                   | 11.969 | 104  | 595540   | 51.738   | ug/l   | 95       |
| 71) Bromoform                 | 12.127 | 173  | 96449    | 50.312   | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.255 | 105  | 900737   | 48.943   | ug/l   | 98       |
| 74) N-amyl acetate            | 12.066 | 43   | 255949   | 52.509   | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 177367   | 54.238   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 218854   | 51.060   | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 195672   | 50.103   | ug/l   | 83       |
| 78) n-propylbenzene           | 12.591 | 91   | 1083758  | 48.735   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 637234   | 49.984   | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 727274   | 48.933   | ug/l   | 95       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 50976    | 48.004   | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 647669   | 49.685   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 635025   | 47.693   | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 722286   | 49.016   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 937433   | 47.123   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 754229   | 46.690   | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 381548   | 48.378   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 374288   | 48.308   | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.615 | 91   | 731333   | 46.365   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 148714   | 47.278   | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 342843   | 49.474   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 24976    | 47.856   | ug/l   | 77       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 168860   | 43.456   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 90395    | 41.843   | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 353162   | 48.188   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 149458   | 45.501   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

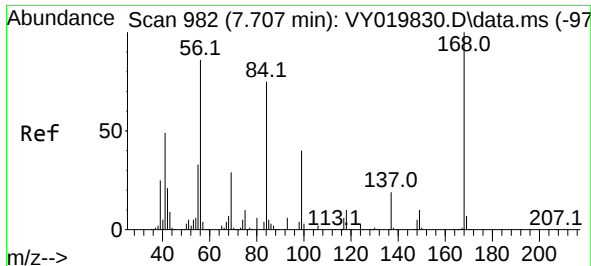
Quant Time: Oct 14 01:51:17 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 10 05:30:07 2024  
Response via : Initial Calibration

| 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  
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Response via : Initial Calibration

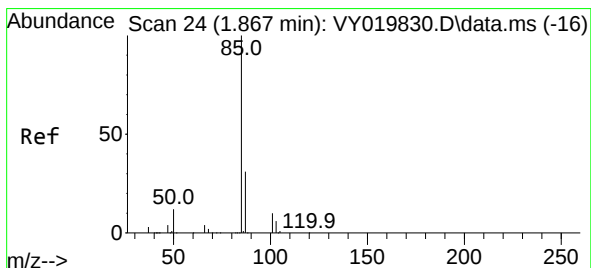
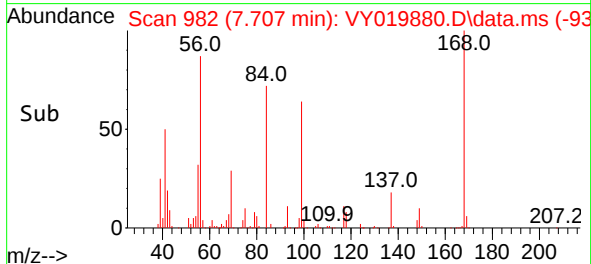
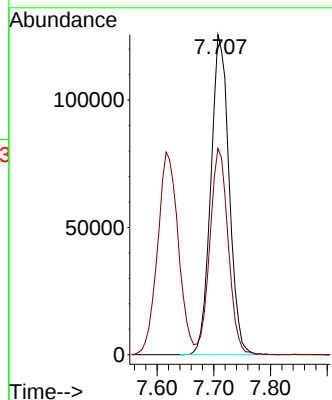
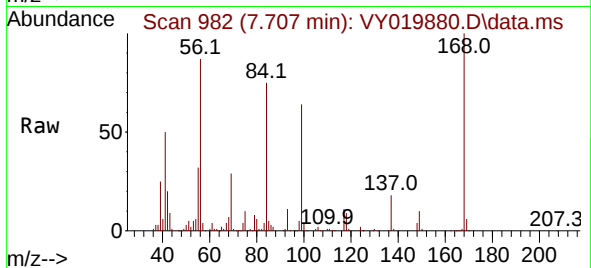




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

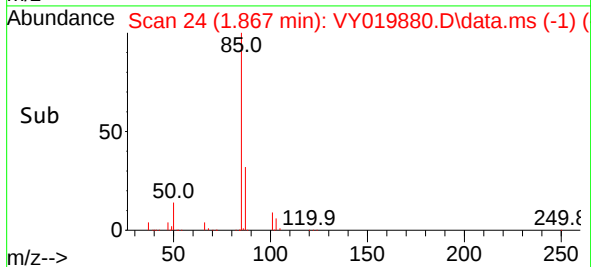
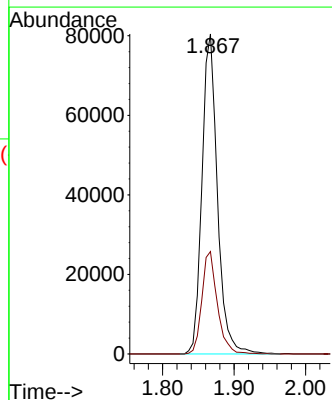
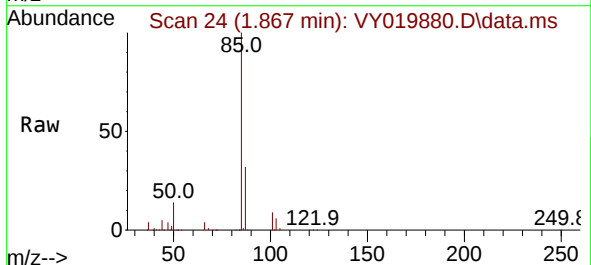
Instrument :  
MSVOA\_Y  
ClientSampleId :

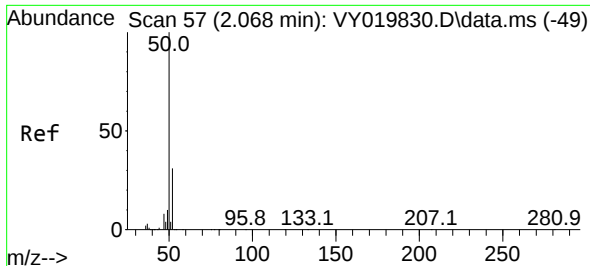
Tgt Ion:168 Resp: 281436  
Ion Ratio Lower Upper  
168 100  
99 64.3 39.1 58.7#



#2  
Dichlorodifluoromethane  
Concen: 46.033 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.001 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 85 Resp: 120605  
Ion Ratio Lower Upper  
85 100  
87 32.0 16.0 48.0

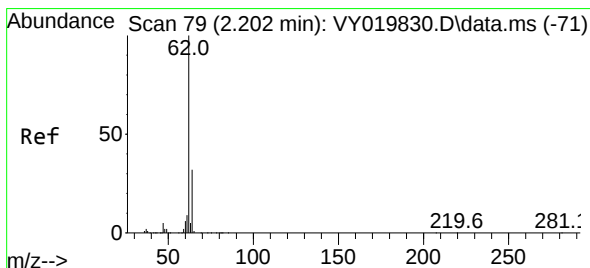
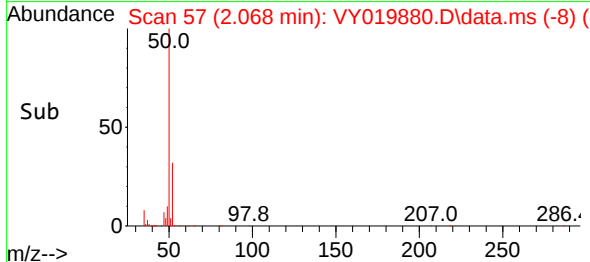
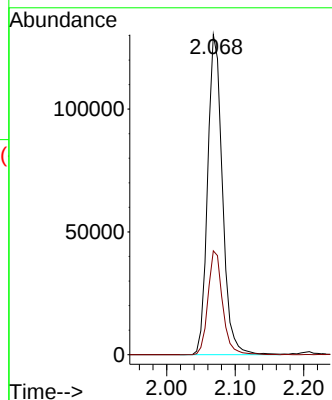
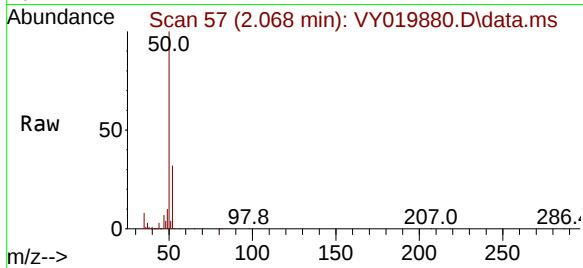




#3  
Chloromethane  
Concen: 57.330 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

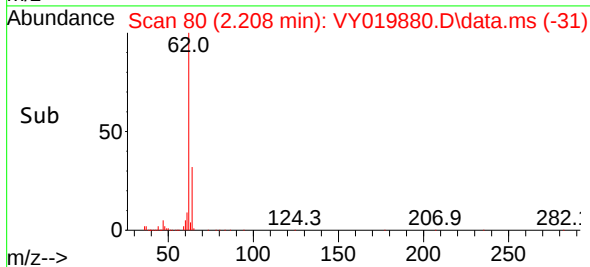
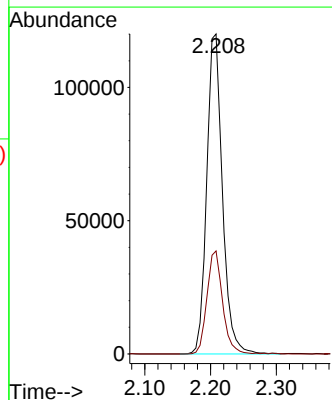
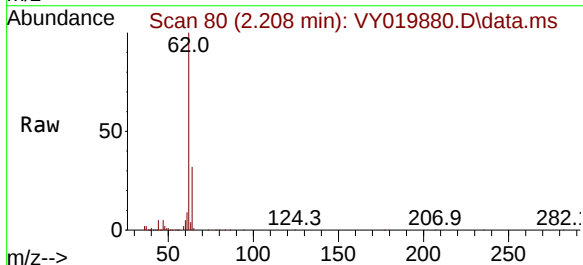
Instrument :  
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ClientSampleId :

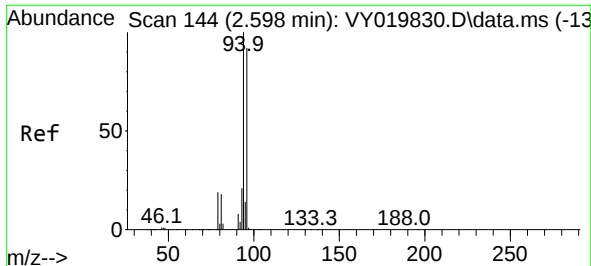
Tgt Ion: 50 Resp: 195491  
Ion Ratio Lower Upper  
50 100  
52 32.5 25.6 38.4



#4  
Vinyl Chloride  
Concen: 53.127 ug/l  
RT: 2.208 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 62 Resp: 199353  
Ion Ratio Lower Upper  
62 100  
64 32.2 26.1 39.1

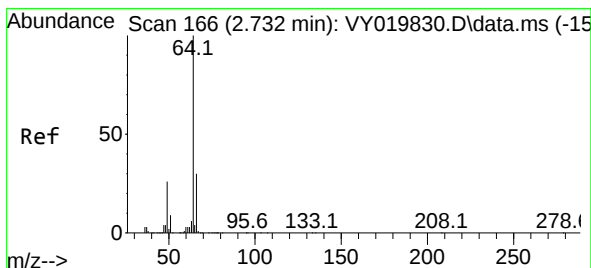
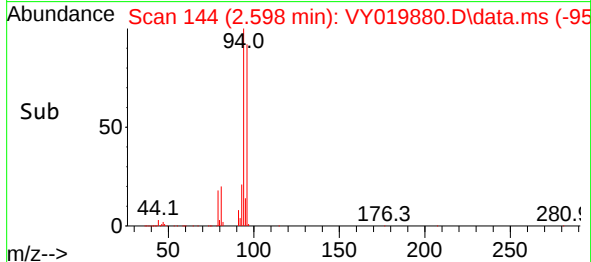
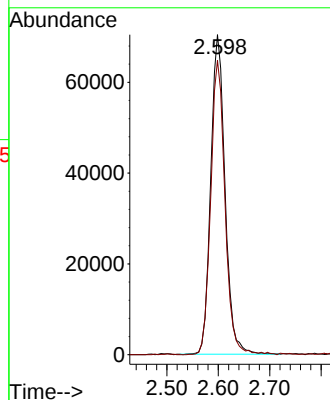
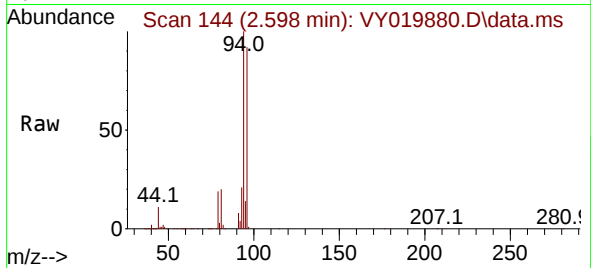




#5  
Bromomethane  
Concen: 57.206 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

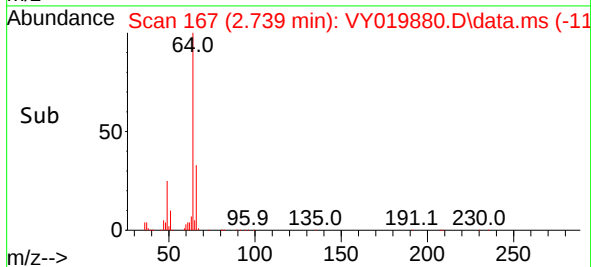
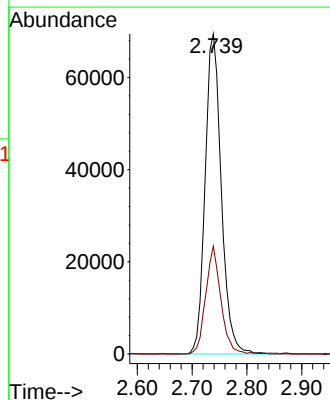
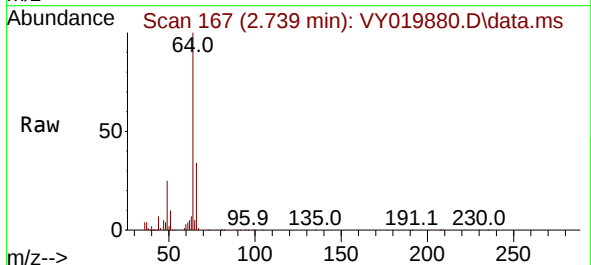
Instrument :  
MSVOA\_Y  
ClientSampleId :

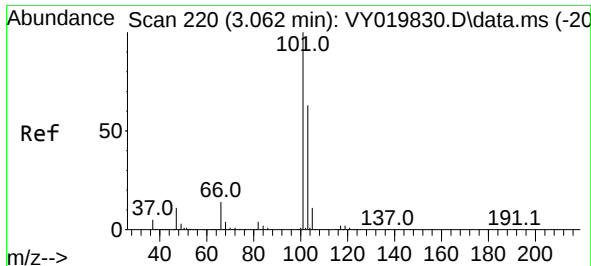
Tgt Ion: 94 Resp: 135869  
Ion Ratio Lower Upper  
94 100  
96 92.1 74.1 111.1



#6  
Chloroethane  
Concen: 56.312 ug/l  
RT: 2.739 min Scan# 167  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 64 Resp: 141953  
Ion Ratio Lower Upper  
64 100  
66 33.7 26.1 39.1

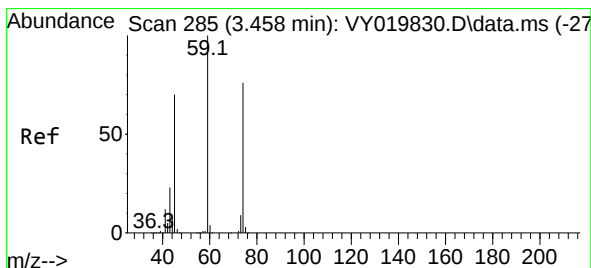
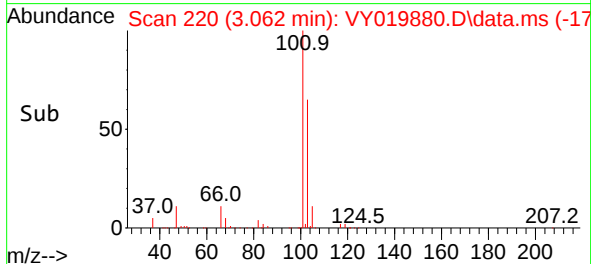
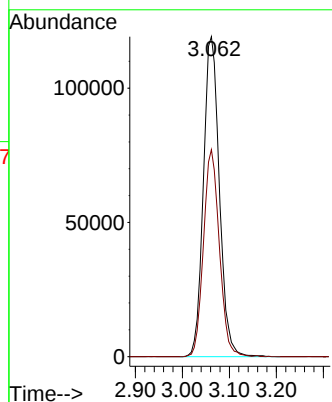
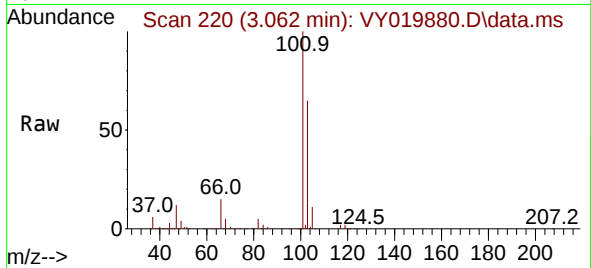




#7  
 Trichlorofluoromethane  
 Concen: 50.261 ug/l  
 RT: 3.062 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

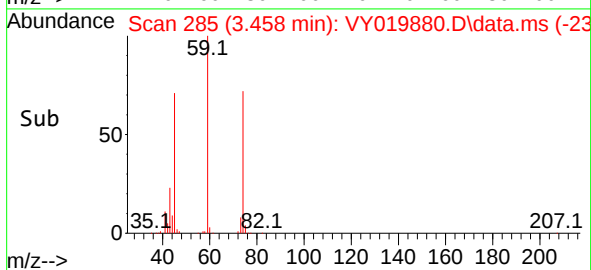
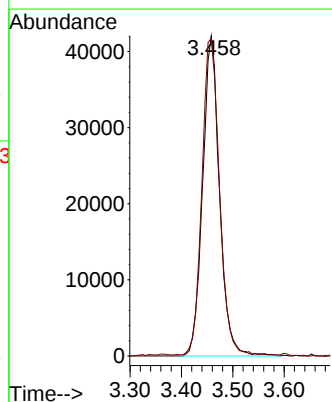
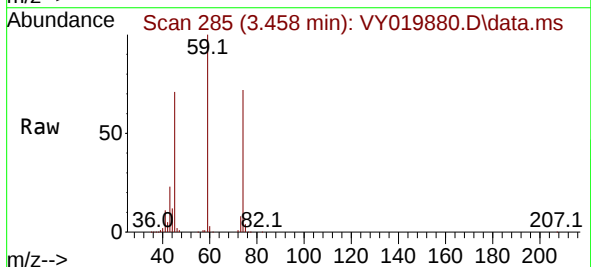
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

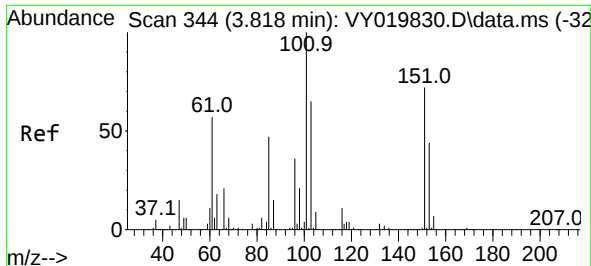
Tgt Ion:101 Resp: 280631  
 Ion Ratio Lower Upper  
 101 100  
 103 64.7 49.3 73.9



#8  
 Diethyl Ether  
 Concen: 56.510 ug/l  
 RT: 3.458 min Scan# 285  
 Delta R.T. 0.000 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

Tgt Ion: 74 Resp: 95895  
 Ion Ratio Lower Upper  
 74 100  
 45 102.6 41.3 124.1

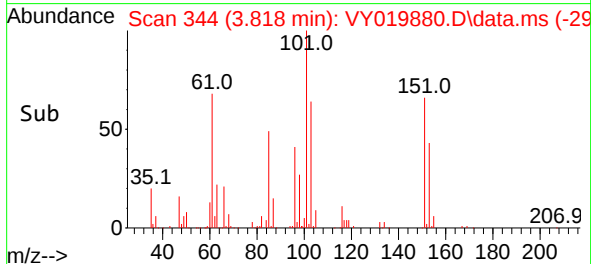
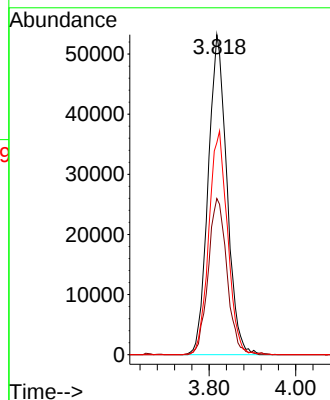
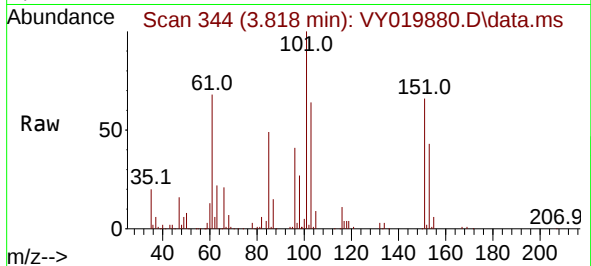




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 49.187 ug/l  
RT: 3.818 min Scan# 344  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

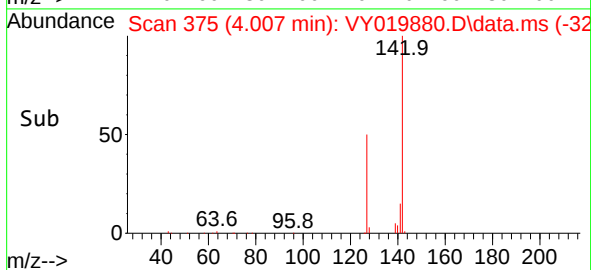
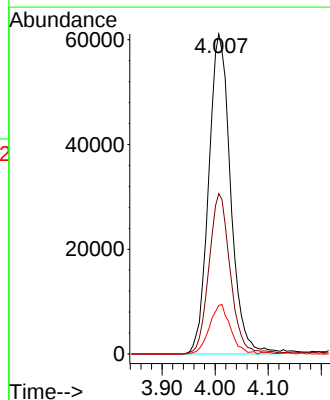
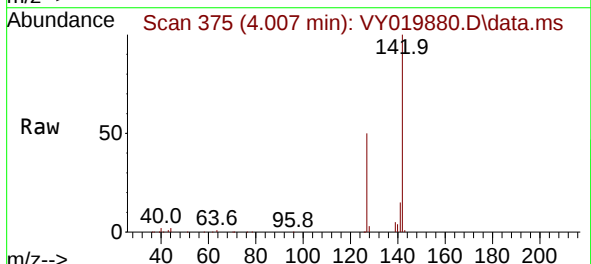
Instrument :  
MSVOA\_Y  
ClientSampleId :

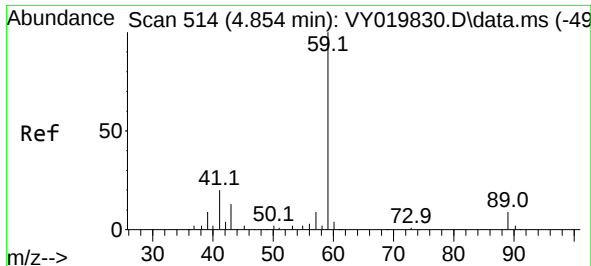
Tgt Ion:101 Resp: 159747  
Ion Ratio Lower Upper  
101 100  
85 48.9 34.5 51.7  
151 69.9 61.7 92.5



#10  
Methyl Iodide  
Concen: 53.538 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion:142 Resp: 175855  
Ion Ratio Lower Upper  
142 100  
127 48.8 32.8 49.2  
141 14.8 11.4 17.2

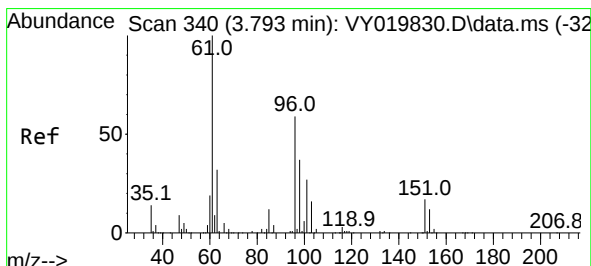
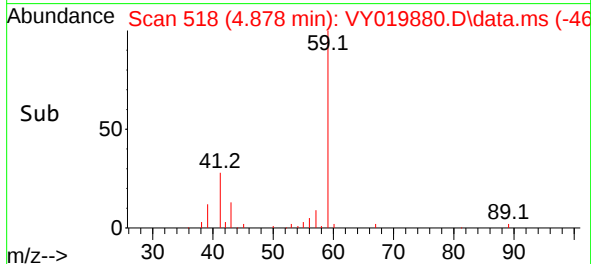
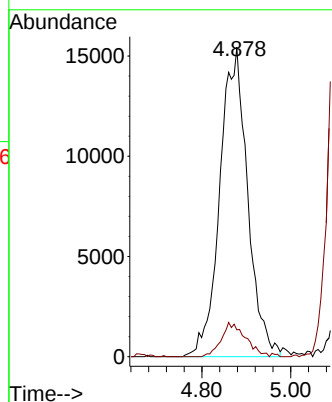
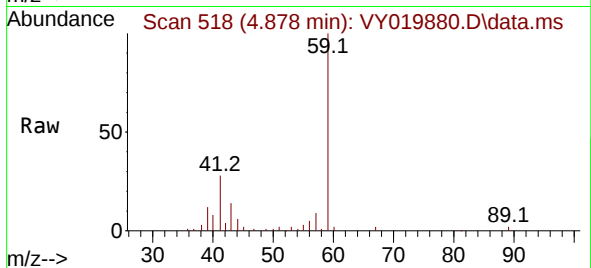




#11  
Tert butyl alcohol  
Concen: 205.839 ug/l  
RT: 4.878 min Scan# 514  
Delta R.T. 0.019 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

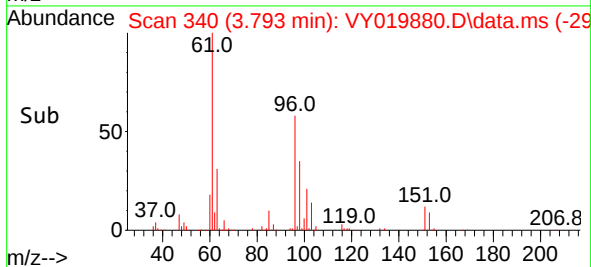
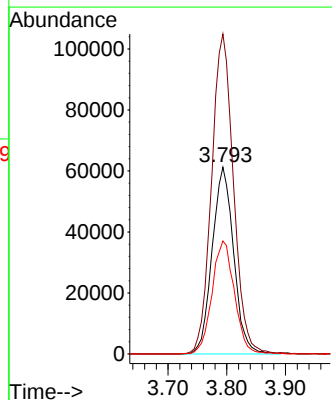
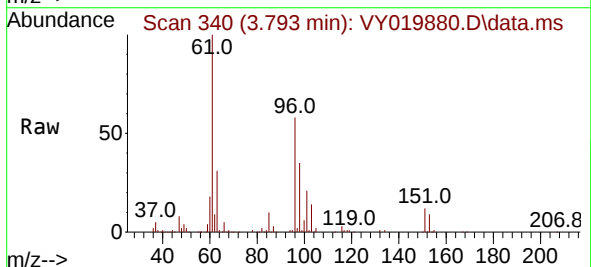
Instrument :  
MSVOA\_Y  
ClientSampleId :

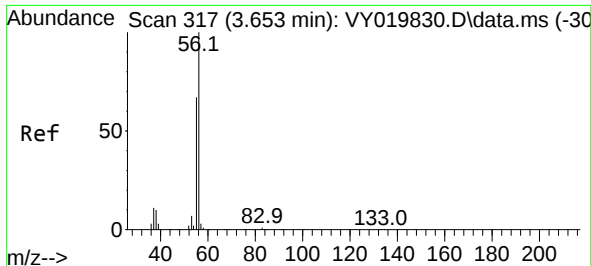
Tgt Ion: 59 Resp: 66824  
Ion Ratio Lower Upper  
59 100  
57 9.6 3.0 4.6#



#12  
1,1-Dichloroethene  
Concen: 51.565 ug/l  
RT: 3.793 min Scan# 340  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 96 Resp: 155689  
Ion Ratio Lower Upper  
96 100  
61 171.3 114.6 171.8  
98 60.4 50.8 76.2





#13

Acrolein

Concen: 261.874 ug/l

RT: 3.659 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

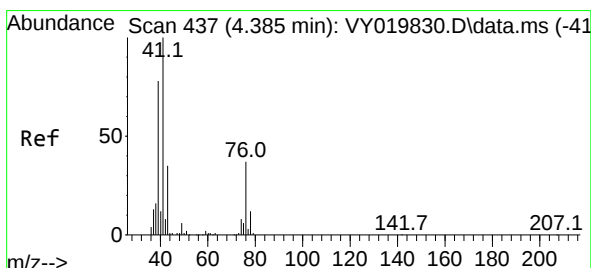
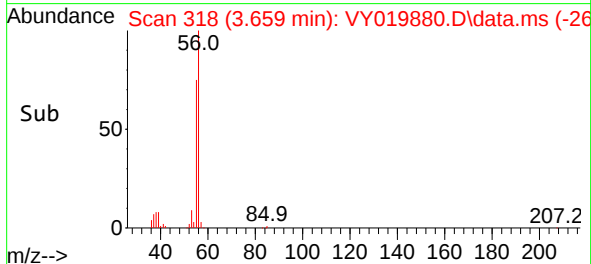
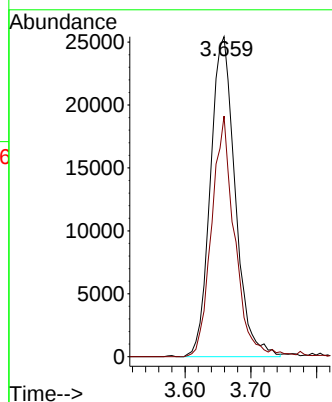
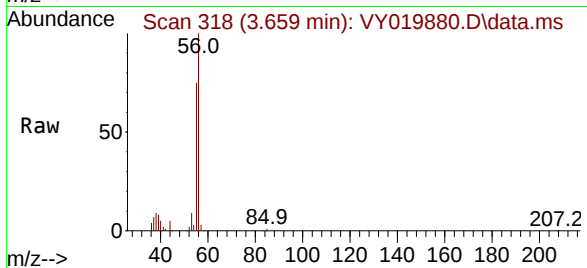
ClientSampleId :

Tgt Ion: 56 Resp: 66681

Ion Ratio Lower Upper

56 100

55 70.1 55.7 83.5



#14

Allyl chloride

Concen: 55.018 ug/l

RT: 4.385 min Scan# 437

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

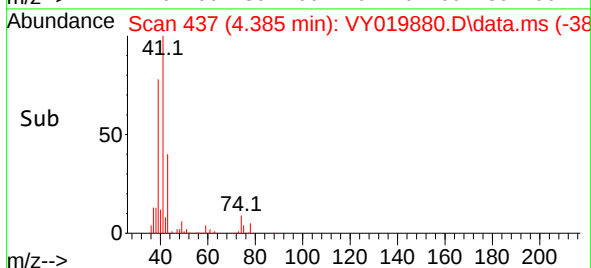
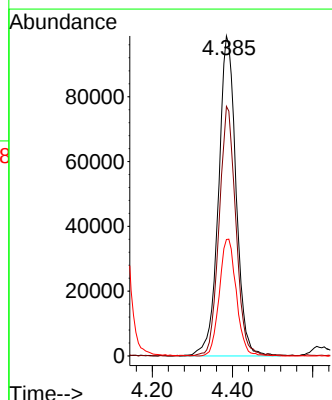
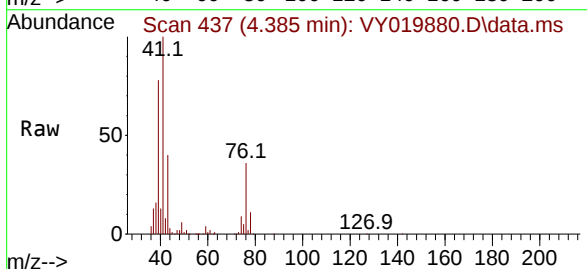
Tgt Ion: 41 Resp: 299716

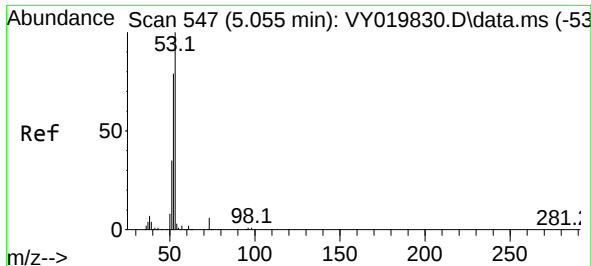
Ion Ratio Lower Upper

41 100

39 74.4 58.3 87.5

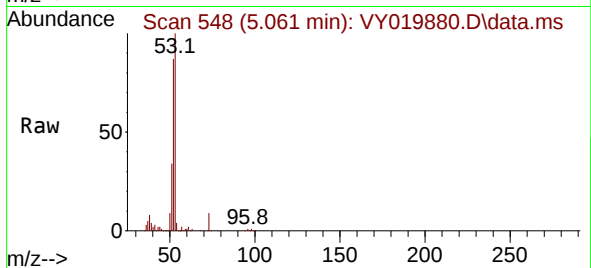
76 35.3 39.0 58.6#



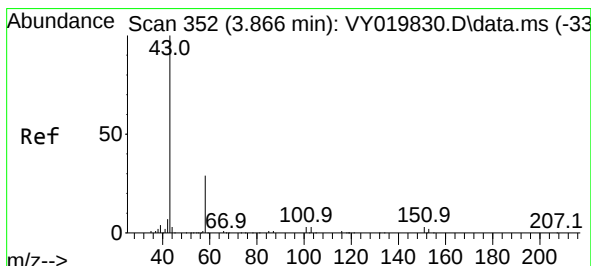
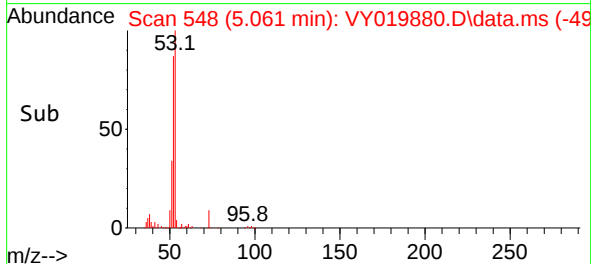
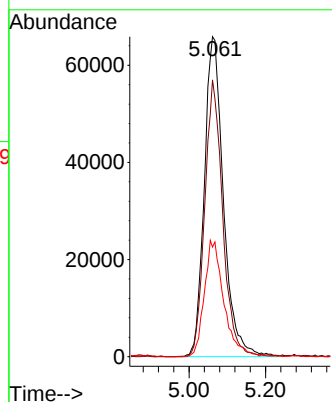


#15  
Acrylonitrile  
Concen: 294.966 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

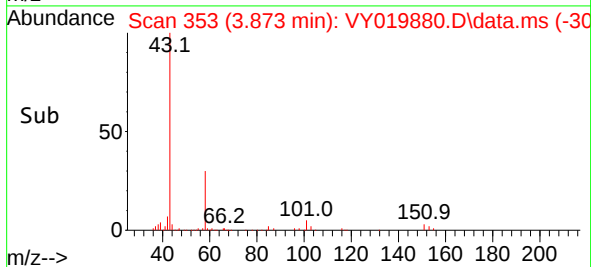
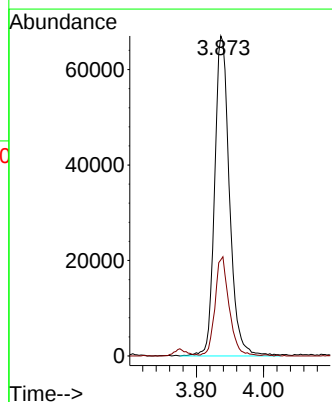
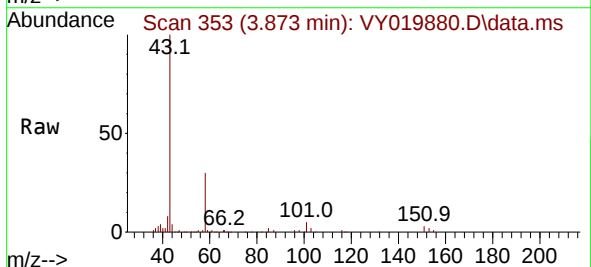


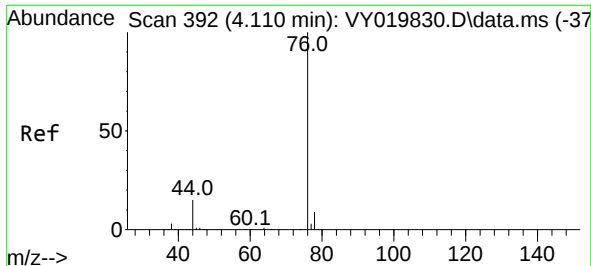
Tgt Ion: 53 Resp: 228943  
Ion Ratio Lower Upper  
53 100  
52 81.1 64.7 97.1  
51 37.2 28.4 42.6



#16  
Acetone  
Concen: 228.752 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 43 Resp: 206352  
Ion Ratio Lower Upper  
43 100  
58 30.0 31.7 47.5#

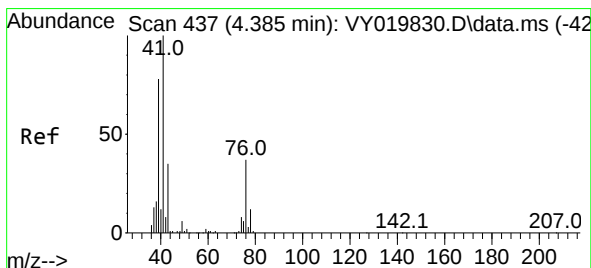
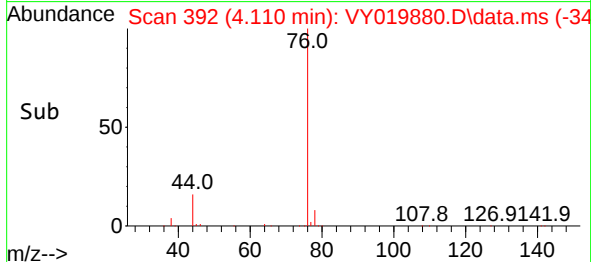
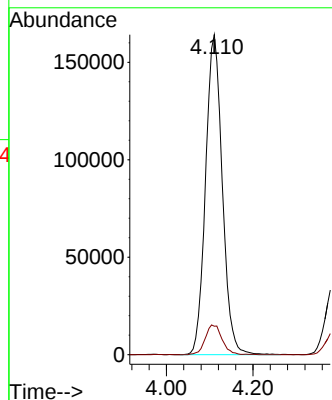
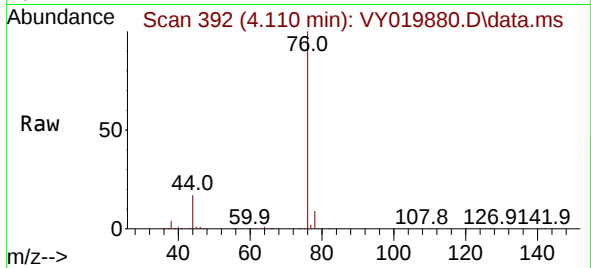




#17  
Carbon Disulfide  
Concen: 54.471 ug/l  
RT: 4.110 min Scan# 392  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

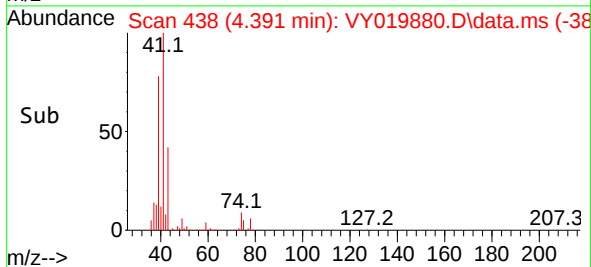
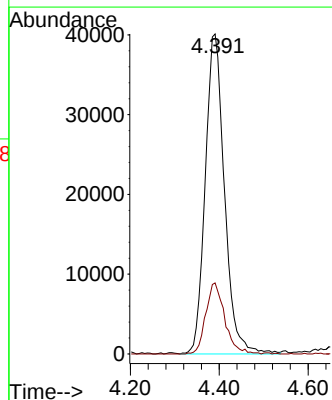
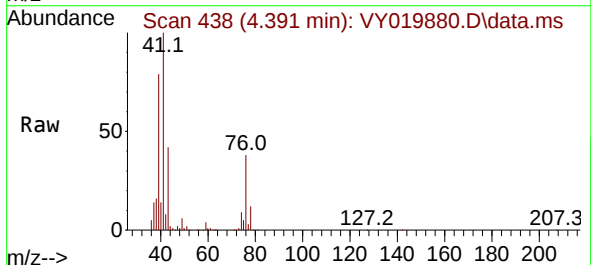
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 76 Resp: 440822  
Ion Ratio Lower Upper  
76 100  
78 8.9 6.8 10.2



#18  
Methyl Acetate  
Concen: 62.240 ug/l  
RT: 4.391 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 43 Resp: 120947  
Ion Ratio Lower Upper  
43 100  
74 21.9 23.3 34.9#





#19

Methyl tert-butyl Ether

Concen: 55.818 ug/l

RT: 5.122 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

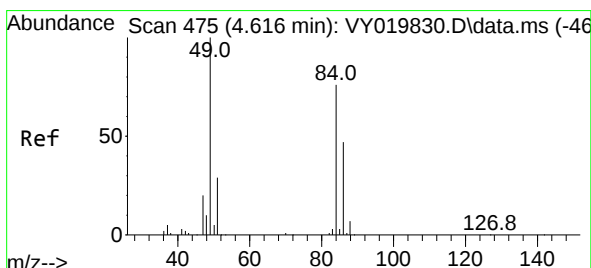
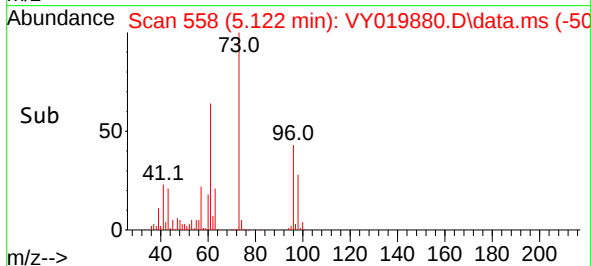
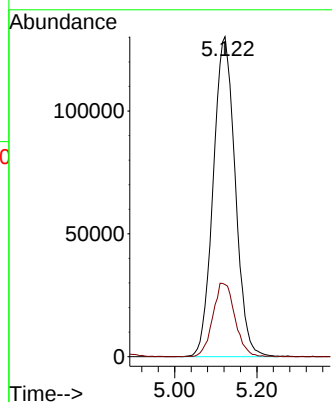
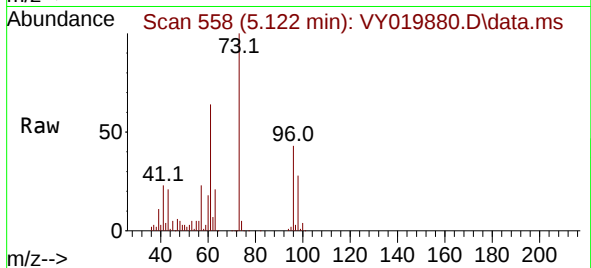
ClientSampleId :

Tgt Ion: 73 Resp: 484166

Ion Ratio Lower Upper

73 100

57 22.5 17.3 25.9



#20

Methylene Chloride

Concen: 57.874 ug/l

RT: 4.616 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Tgt Ion: 84 Resp: 192479

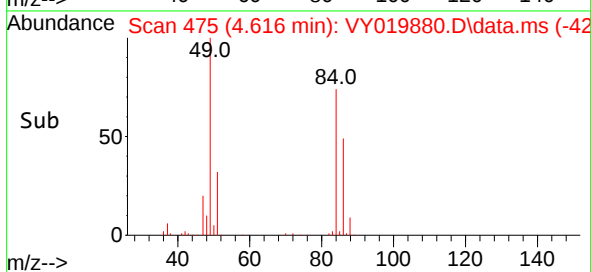
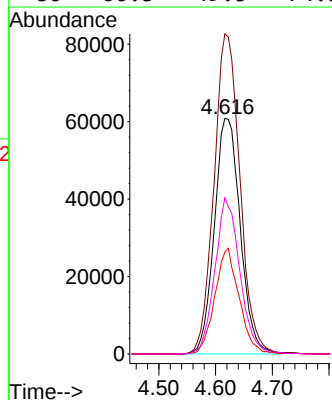
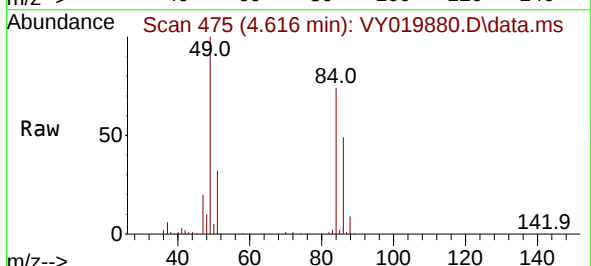
Ion Ratio Lower Upper

84 100

49 135.9 84.4 126.6#

51 43.3 26.0 39.0#

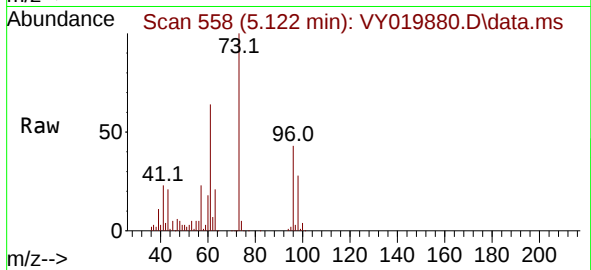
86 66.3 49.5 74.3



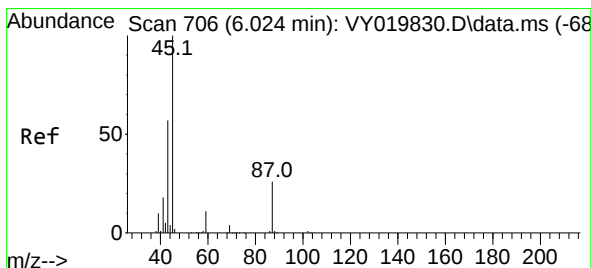
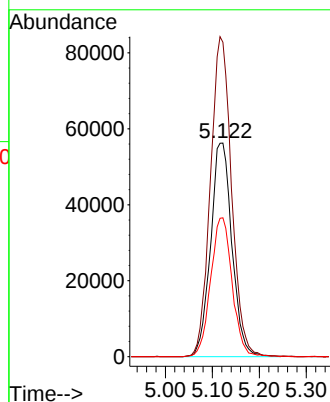
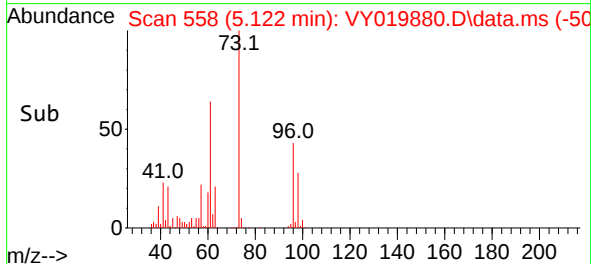


#21  
trans-1,2-Dichloroethene  
Concen: 54.048 ug/l  
RT: 5.122 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

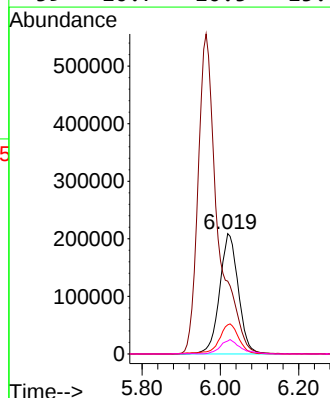
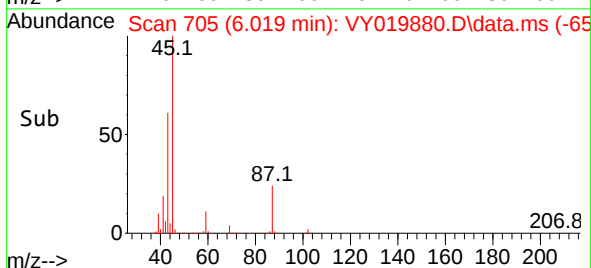
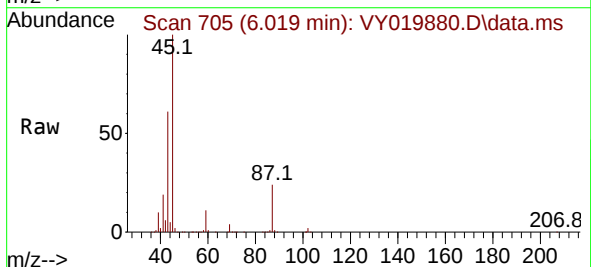


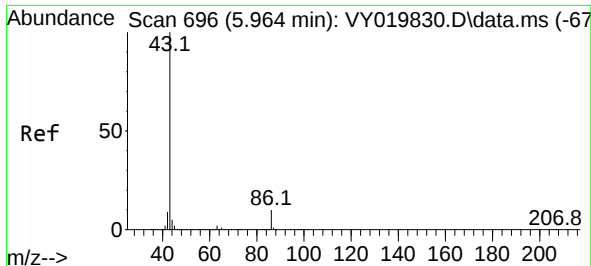
Tgt Ion: 96 Resp: 177606  
Ion Ratio Lower Upper  
96 100  
61 147.2 97.5 146.3#  
98 65.0 50.5 75.7



#22  
Diisopropyl ether  
Concen: 58.317 ug/l  
RT: 6.019 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

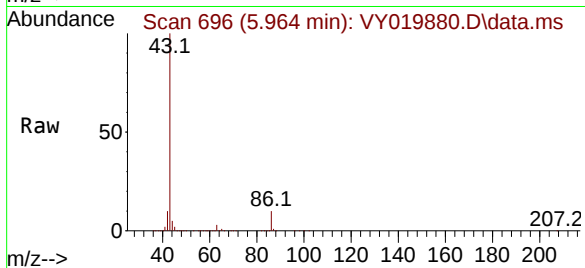
Tgt Ion: 45 Resp: 691994  
Ion Ratio Lower Upper  
45 100  
43 60.2 42.2 63.2  
87 24.2 25.0 37.6#  
59 10.7 10.5 15.7



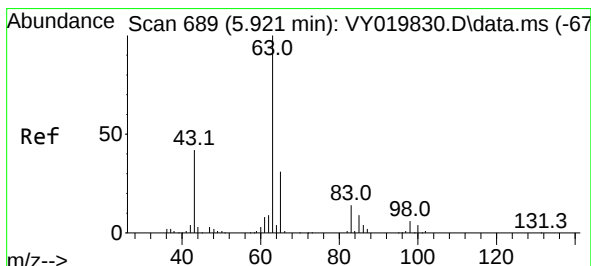
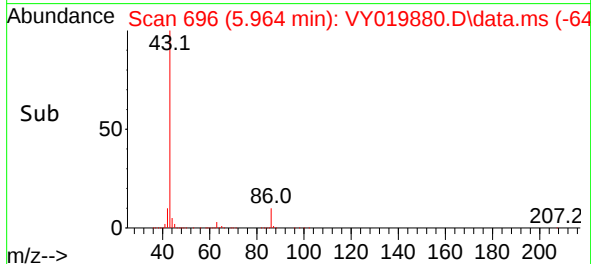
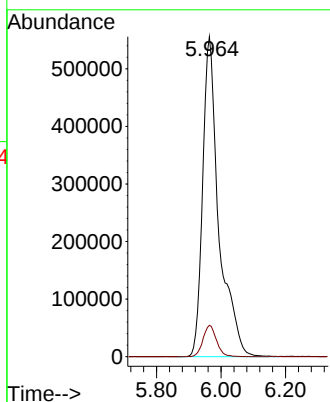


#23  
 Vinyl Acetate  
 Concen: 284.972 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. 0.006 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

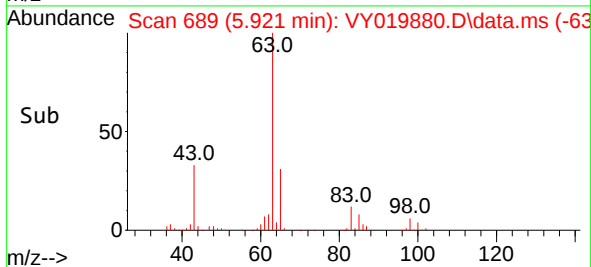
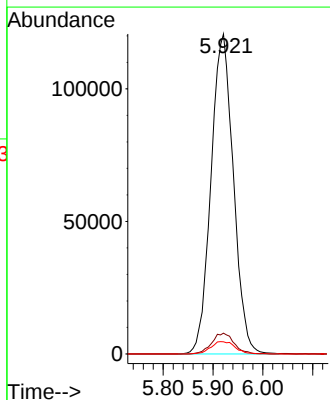
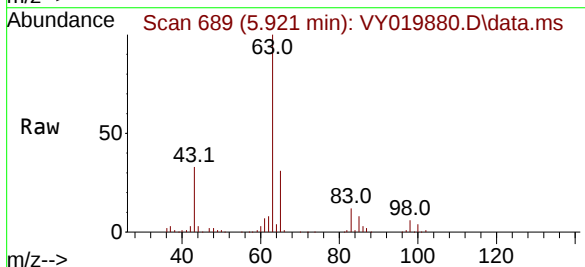


Tgt Ion: 43 Resp: 1938531  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 10.6 16.0#



#24  
 1,1-Dichloroethane  
 Concen: 57.099 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

Tgt Ion: 63 Resp: 376624  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 4.0 12.2  
 100 3.8 2.6 8.0

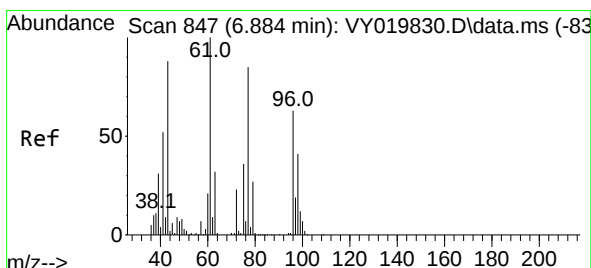
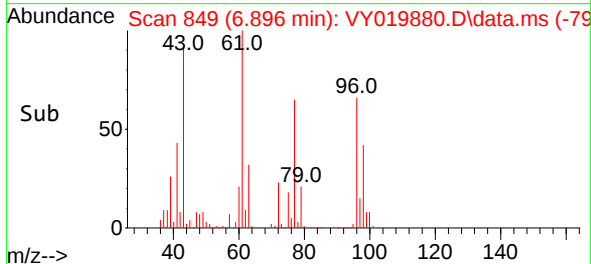
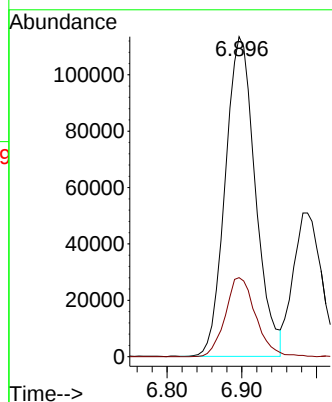
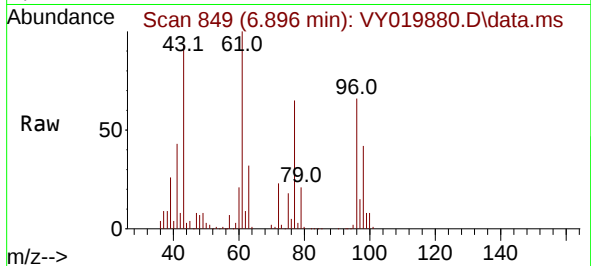




#25  
2-Butanone  
Concen: 262.843 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

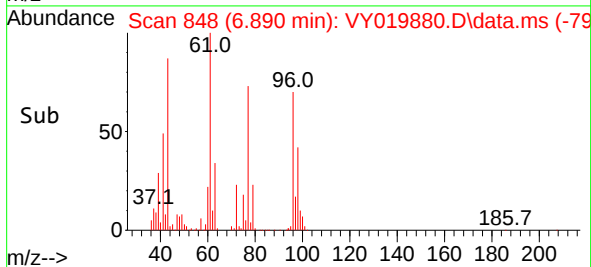
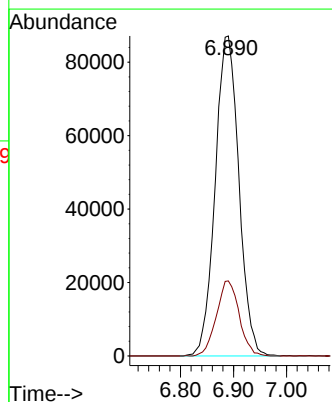
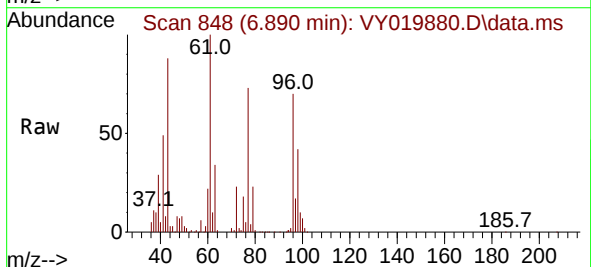
Instrument :  
MSVOA\_Y  
ClientSampleId :

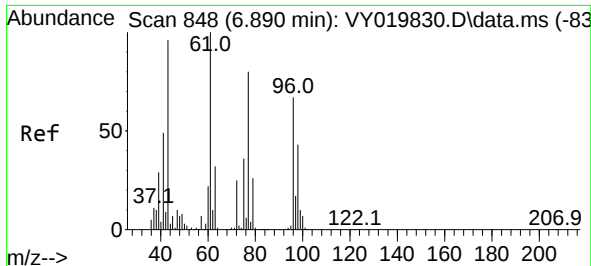
Tgt Ion: 43 Resp: 317371  
Ion Ratio Lower Upper  
43 100  
72 24.7 27.3 40.9#



#26  
2,2-Dichloropropane  
Concen: 45.997 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 77 Resp: 270200  
Ion Ratio Lower Upper  
77 100  
97 22.6 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 56.211 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

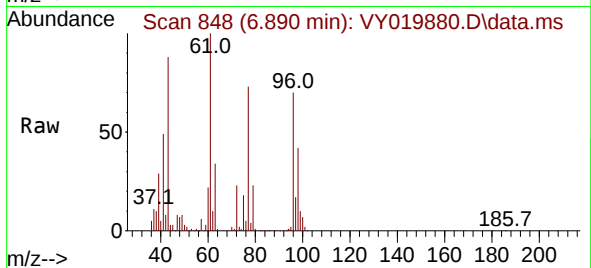
Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :



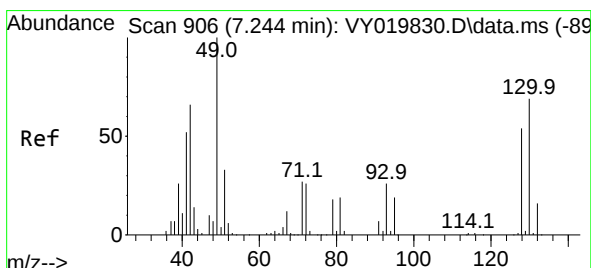
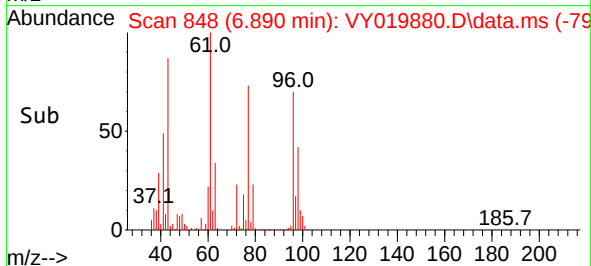
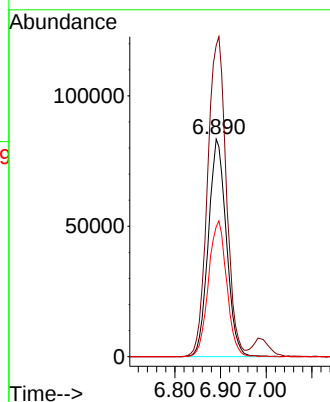
Tgt Ion: 96 Resp: 228267

Ion Ratio Lower Upper

96 100

61 152.7 0.0 256.2

98 63.2 0.0 130.0



#28

Bromochloromethane

Concen: 58.500 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

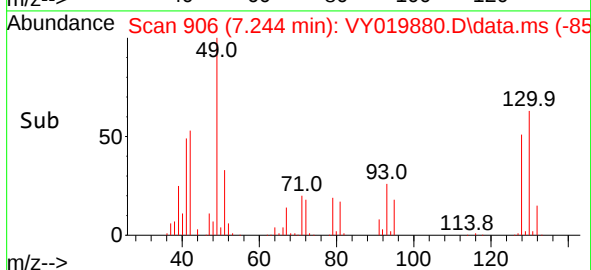
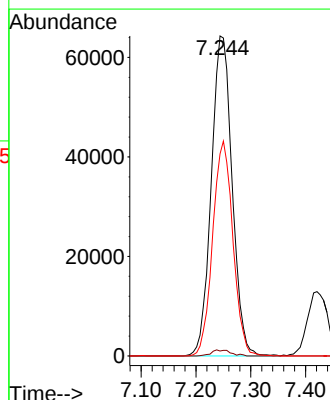
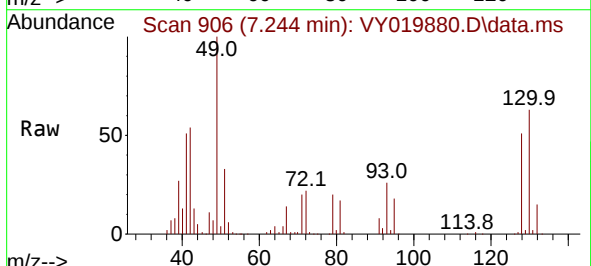
Tgt Ion: 49 Resp: 169838

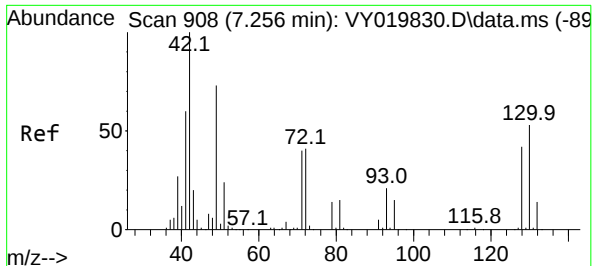
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.6

130 65.2 72.7 109.1#





#29

Tetrahydrofuran

Concen: 292.327 ug/l

RT: 7.262 min Scan# 908

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

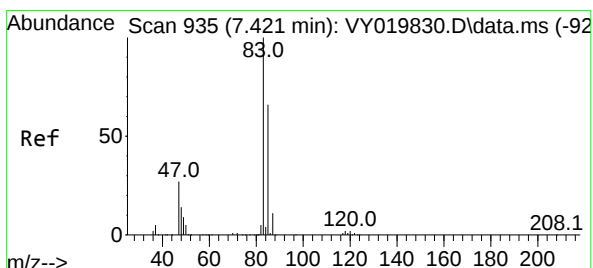
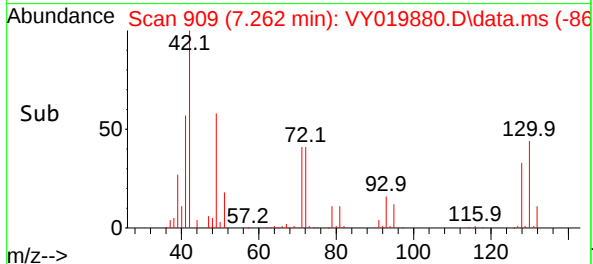
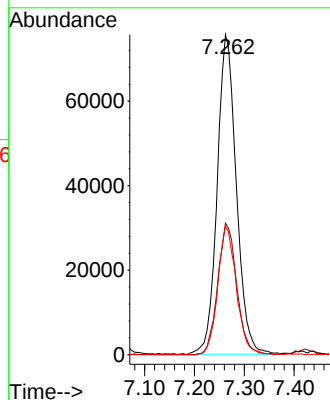
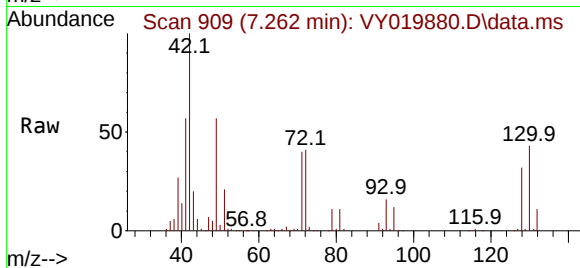
Tgt Ion: 42 Resp: 201539

Ion Ratio Lower Upper

42 100

72 41.1 43.0 64.4#

71 39.0 40.8 61.2#



#30

Chloroform

Concen: 57.221 ug/l

RT: 7.421 min Scan# 935

Delta R.T. 0.000 min

Lab File: VY019880.D

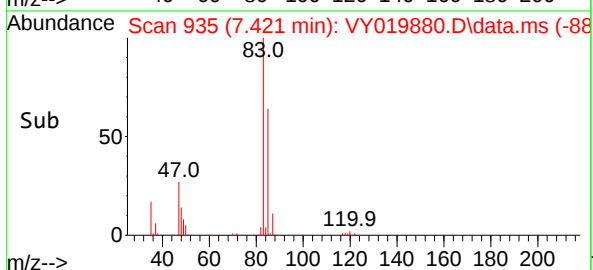
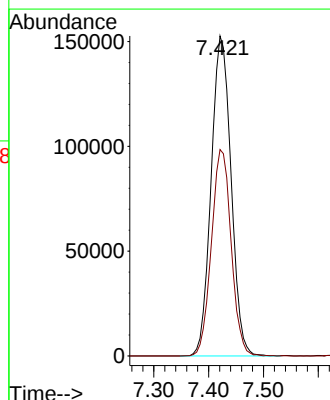
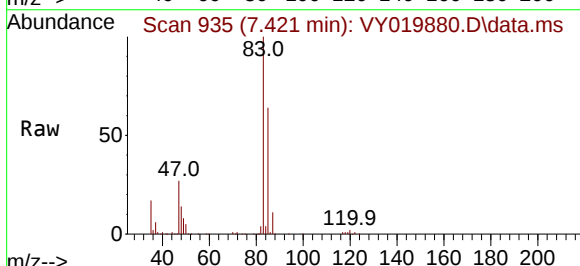
Acq: 11 Oct 2024 18:31

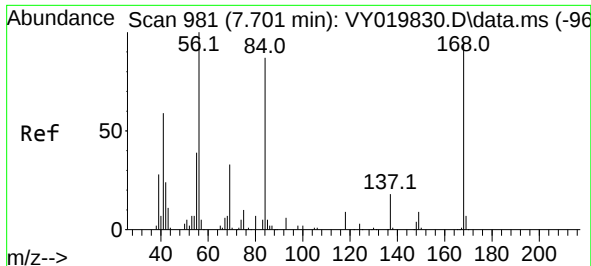
Tgt Ion: 83 Resp: 384743

Ion Ratio Lower Upper

83 100

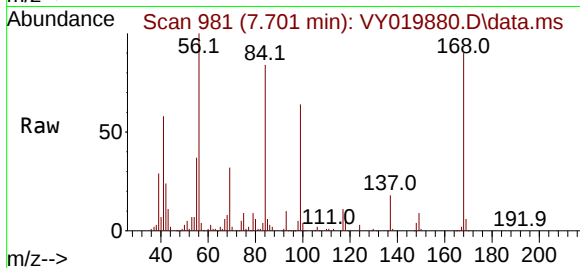
85 64.5 52.2 78.4



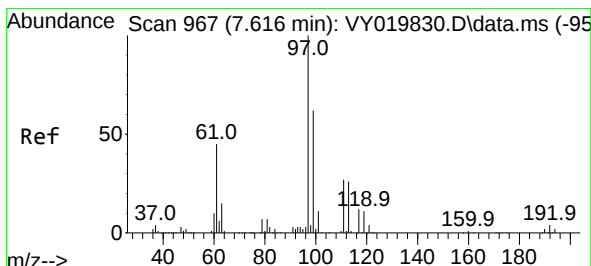
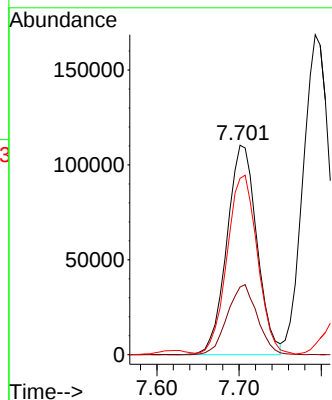
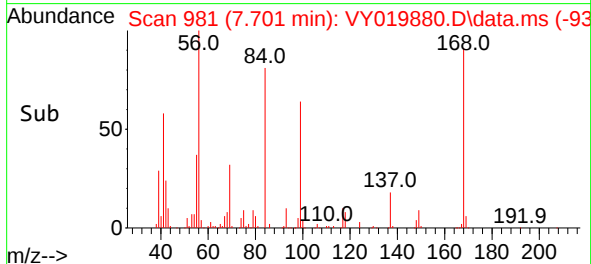


#31  
Cyclohexane  
Concen: 48.387 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

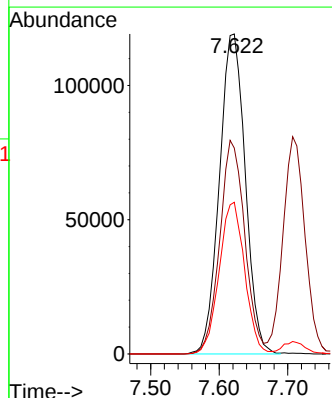
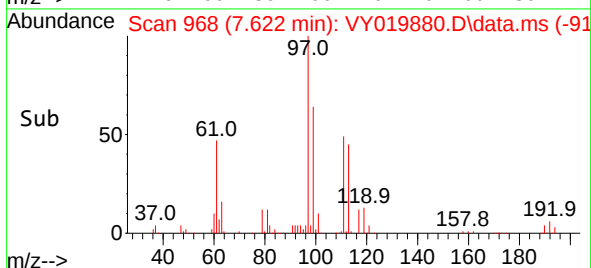
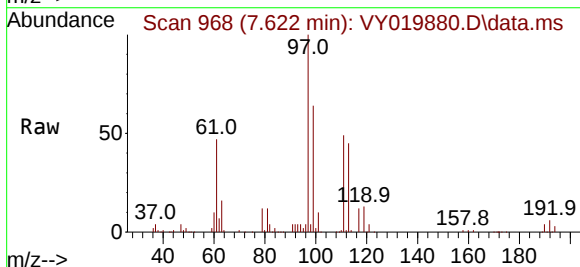


Tgt Ion: 56 Resp: 280168  
Ion Ratio Lower Upper  
56 100  
69 32.3 28.7 43.1  
84 82.2 77.7 116.5



#32  
1,1,1-Trichloroethane  
Concen: 53.035 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 97 Resp: 312514  
Ion Ratio Lower Upper  
97 100  
99 64.6 50.3 75.5  
61 46.8 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 59.656 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

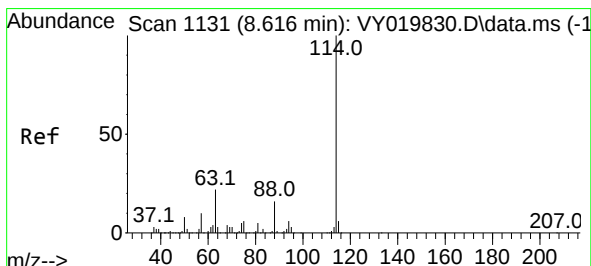
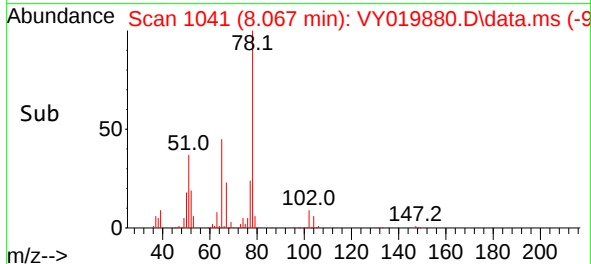
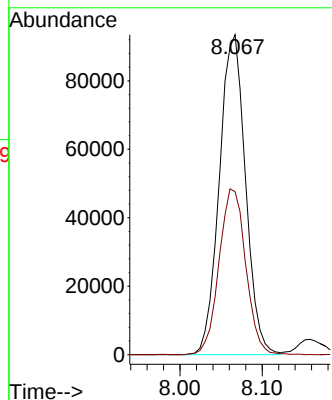
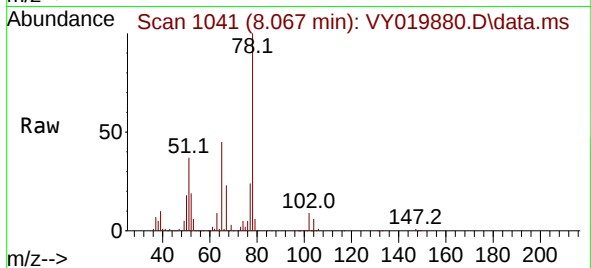
ClientSampleId :

Tgt Ion: 65 Resp: 206726

Ion Ratio Lower Upper

65 100

67 52.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

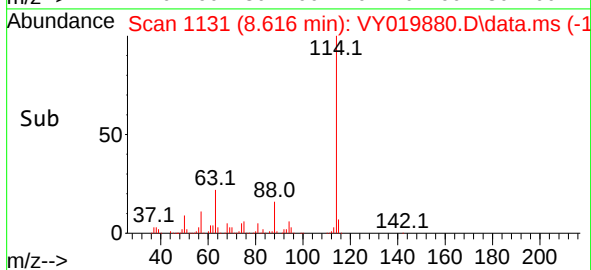
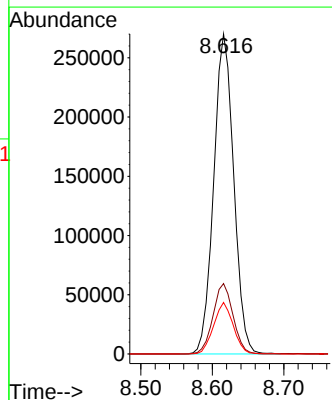
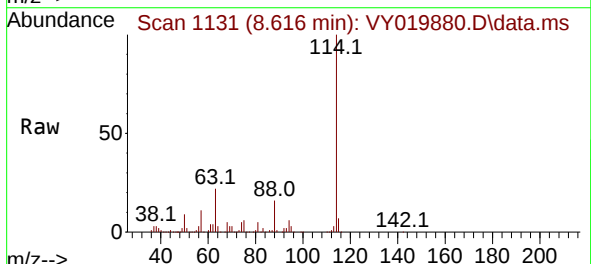
Tgt Ion: 114 Resp: 524979

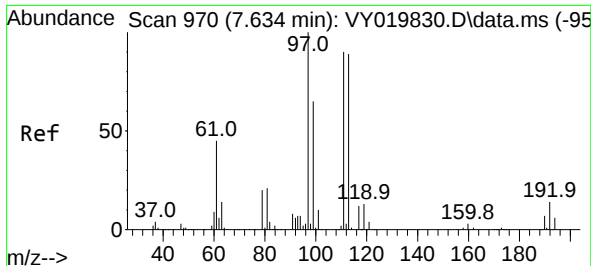
Ion Ratio Lower Upper

114 100

63 22.0 0.0 35.0

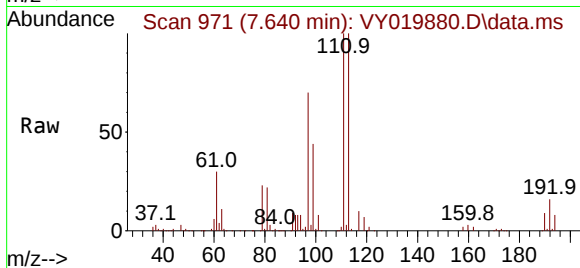
88 16.1 0.0 27.2



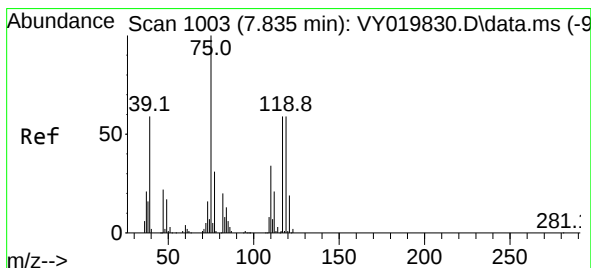
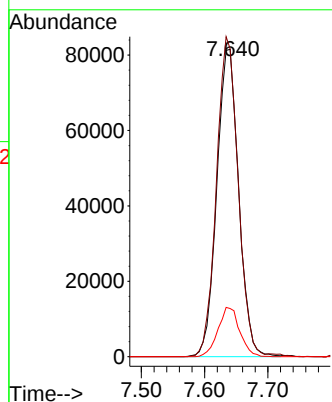
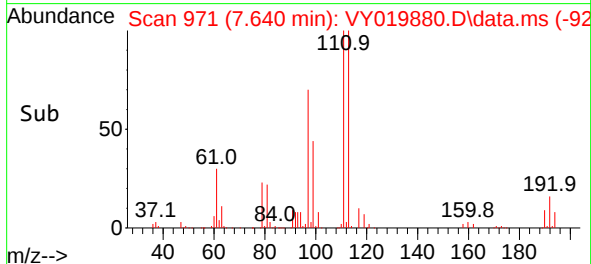


#35  
Dibromofluoromethane  
Concen: 56.578 ug/l  
RT: 7.640 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

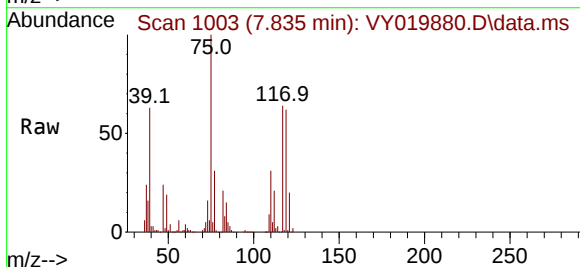
Instrument :  
MSVOA\_Y  
ClientSampleId :



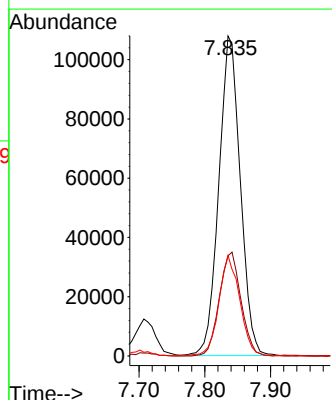
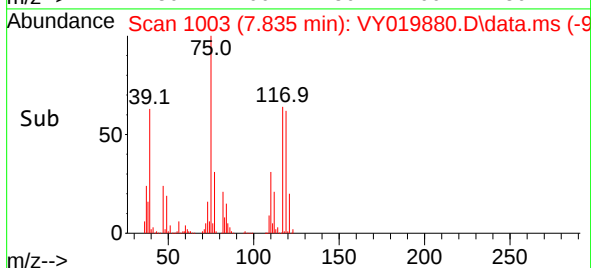
Tgt Ion:113 Resp: 196002  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 15.9 15.9 23.9#

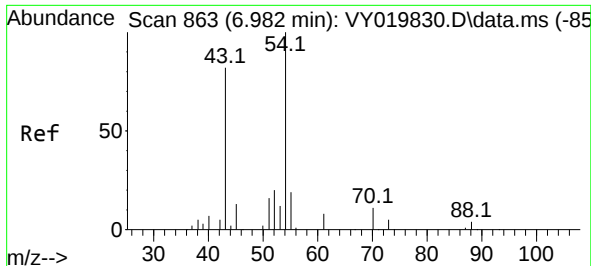


#36  
1,1-Dichloropropene  
Concen: 49.205 ug/l  
RT: 7.835 min Scan# 1003  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31



Tgt Ion: 75 Resp: 245579  
Ion Ratio Lower Upper  
75 100  
110 32.6 19.0 57.0  
77 30.7 25.3 37.9





#37

Ethyl Acetate

Concen: 53.723 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

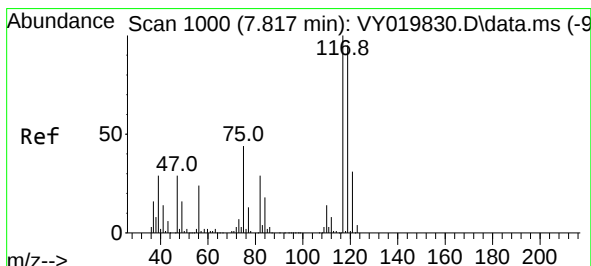
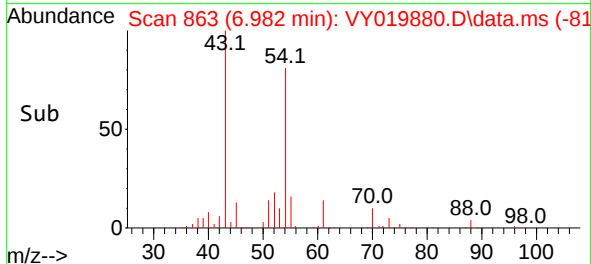
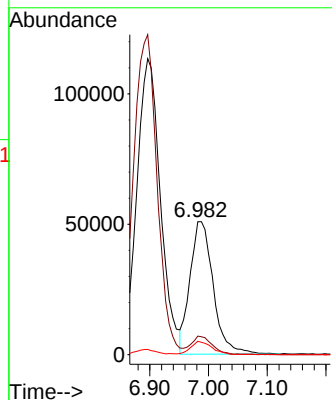
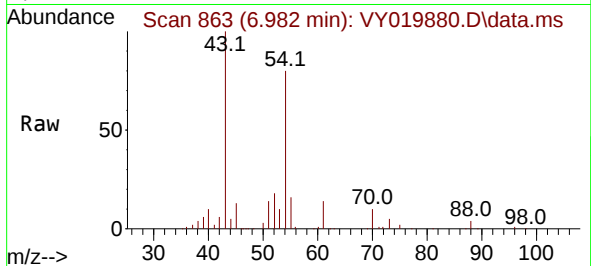
Tgt Ion: 43 Resp: 139813

Ion Ratio Lower Upper

43 100

61 13.0 12.6 19.0

70 9.0 7.8 11.8



#38

Carbon Tetrachloride

Concen: 48.374 ug/l

RT: 7.823 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

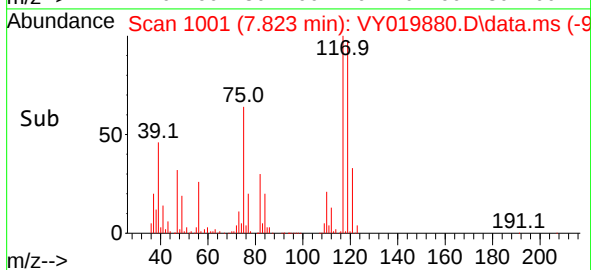
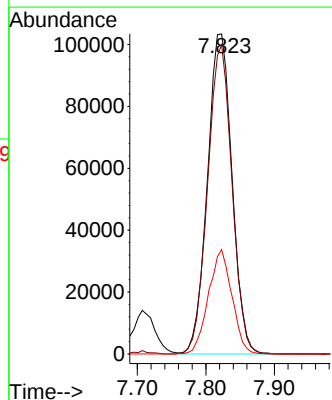
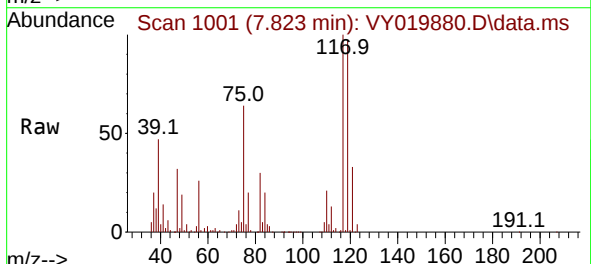
Tgt Ion: 117 Resp: 258822

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.6

121 32.6 24.0 36.0





#39

Methylcyclohexane

Concen: 45.701 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

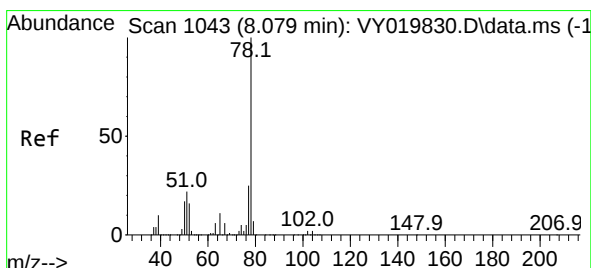
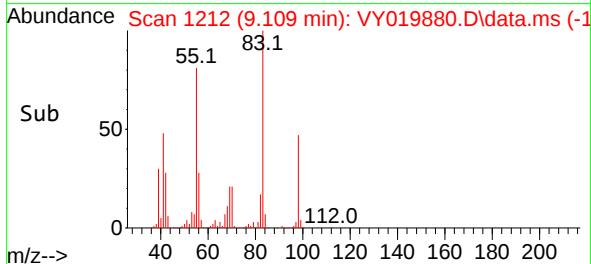
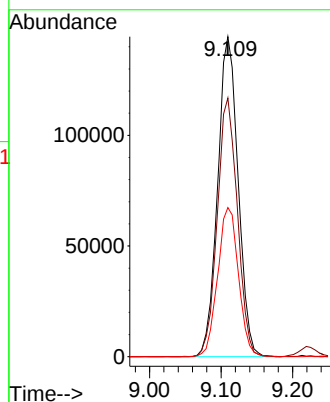
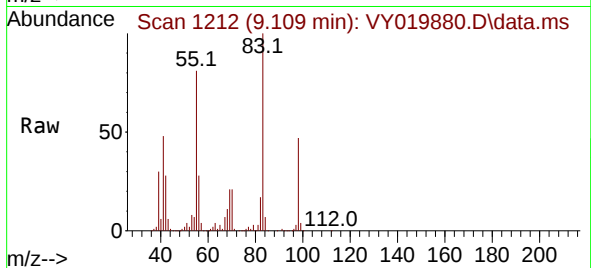
Tgt Ion: 83 Resp: 287394

Ion Ratio Lower Upper

83 100

55 80.9 51.5 77.3#

98 46.6 40.5 60.7



#40

Benzene

Concen: 53.037 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY019880.D

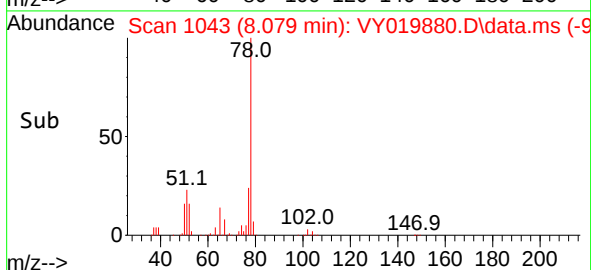
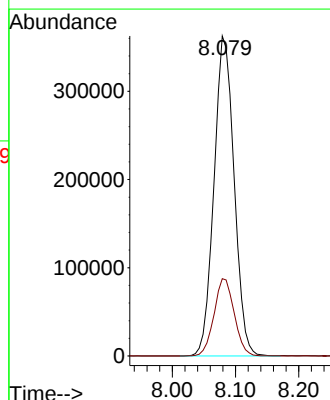
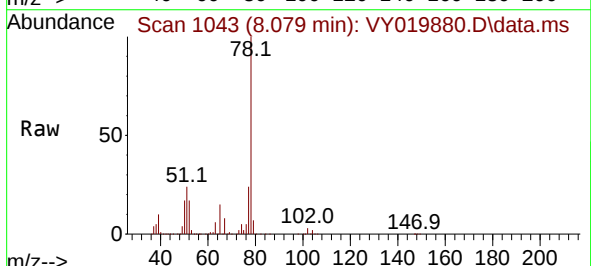
Acq: 11 Oct 2024 18:31

Tgt Ion: 78 Resp: 801105

Ion Ratio Lower Upper

78 100

77 24.1 19.5 29.3

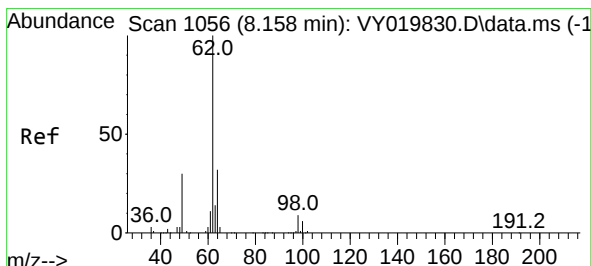
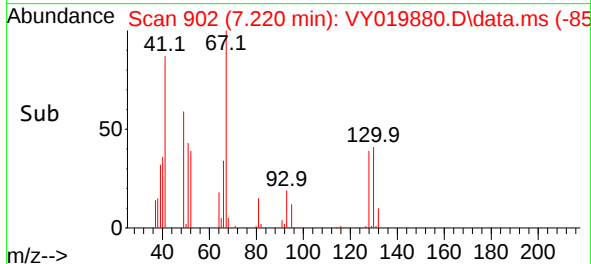
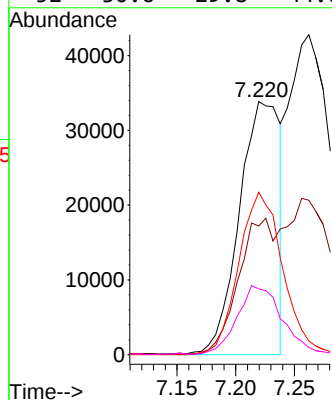
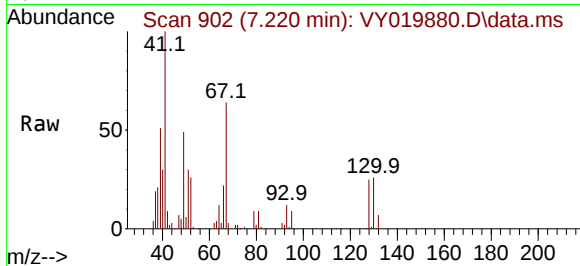




#41  
Methacrylonitrile  
Concen: 58.016 ug/l  
RT: 7.220 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

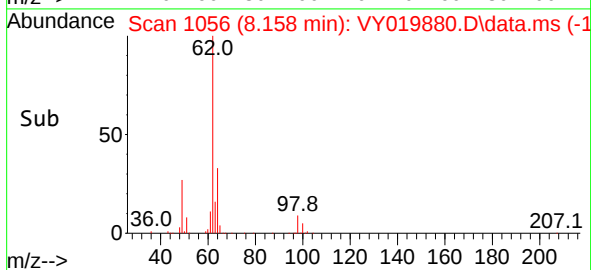
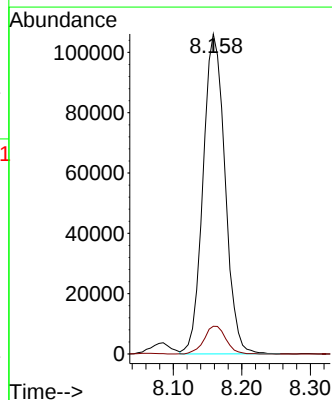
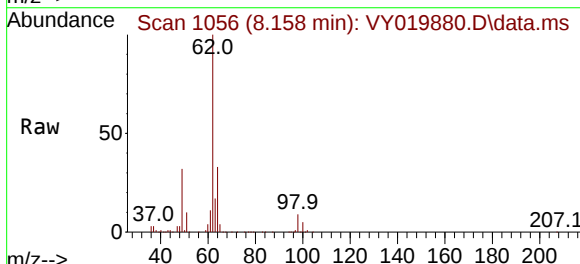
Instrument :  
MSVOA\_Y  
ClientSampleId :

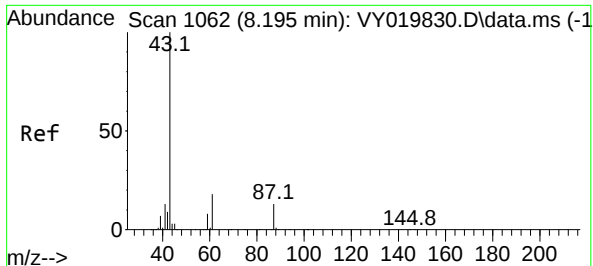
Tgt Ion: 41 Resp: 81717  
Ion Ratio Lower Upper  
41 100  
39 45.5 48.0 72.0#  
67 70.2 75.1 112.7#  
52 30.6 29.8 44.6



#42  
1,2-Dichloroethane  
Concen: 54.440 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 62 Resp: 236237  
Ion Ratio Lower Upper  
62 100  
98 8.7 0.0 22.0

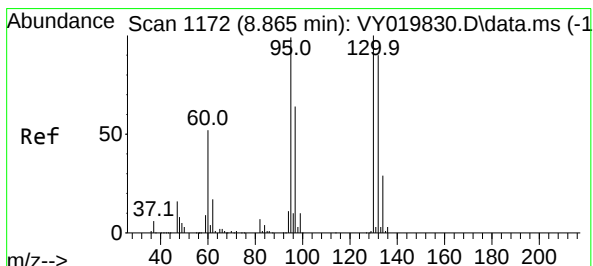
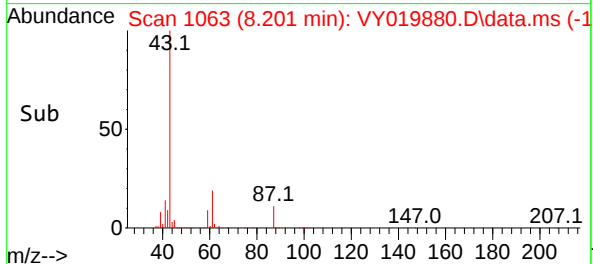
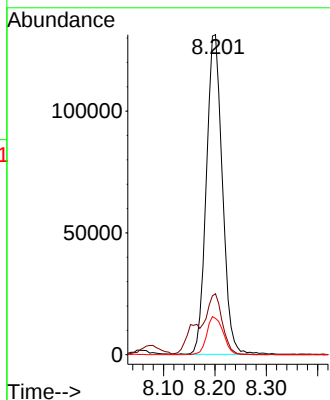
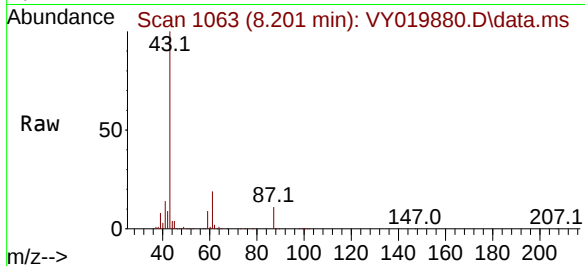




#43  
Isopropyl Acetate  
Concen: 53.554 ug/l  
RT: 8.201 min Scan# 1063  
Delta R.T. 0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

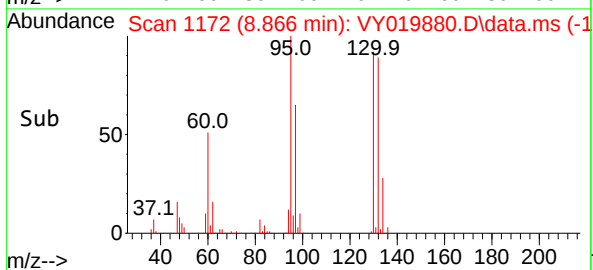
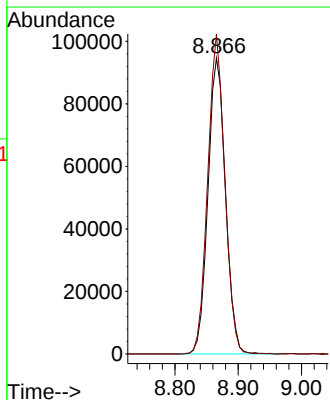
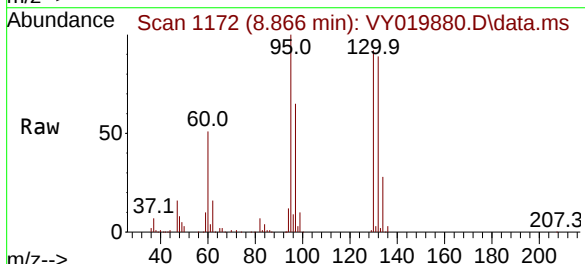
Instrument :  
MSVOA\_Y  
ClientSampleId :

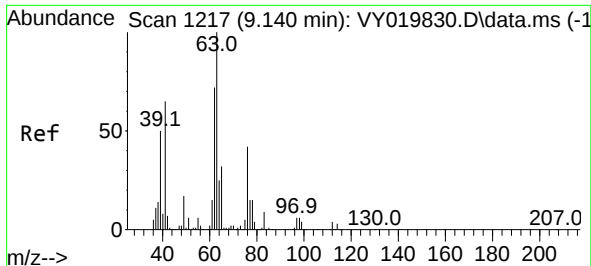
Tgt Ion: 43 Resp: 284235  
Ion Ratio Lower Upper  
43 100  
61 19.5 27.9 41.9#  
87 12.2 13.1 19.7#



#44  
Trichloroethene  
Concen: 49.836 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion:130 Resp: 182317  
Ion Ratio Lower Upper  
130 100  
95 108.2 0.0 188.0





#45

1,2-Dichloropropane

Concen: 53.275 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

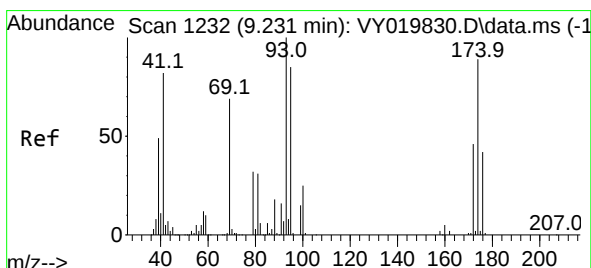
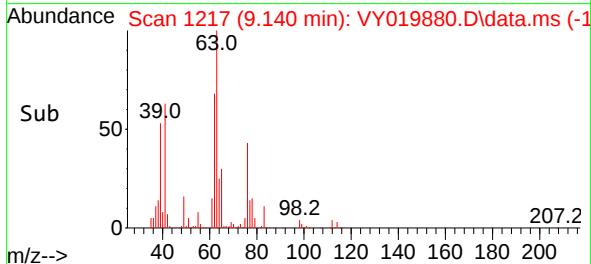
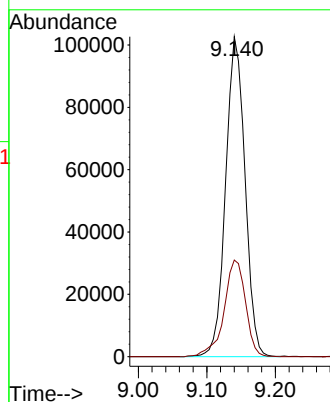
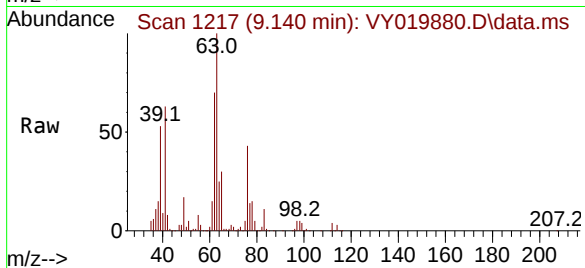
ClientSampleId :

Tgt Ion: 63 Resp: 201413

Ion Ratio Lower Upper

63 100

65 30.2 25.4 38.2



#46

Dibromomethane

Concen: 51.823 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

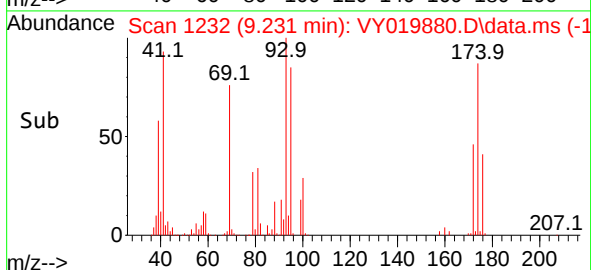
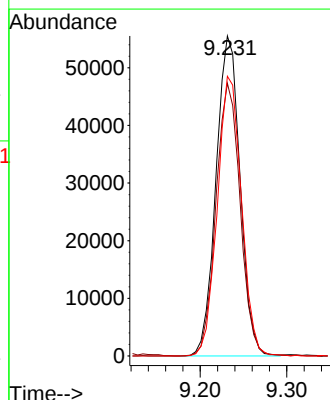
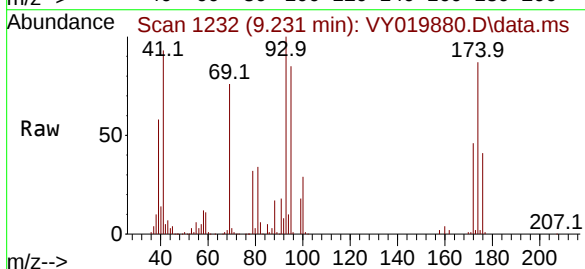
Tgt Ion: 93 Resp: 107044

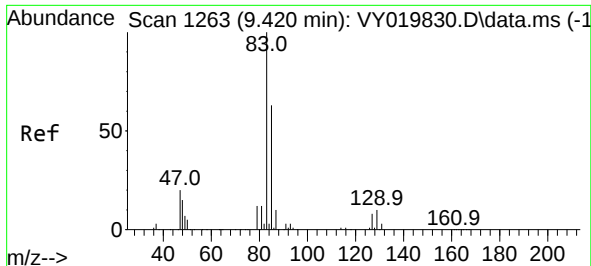
Ion Ratio Lower Upper

93 100

95 85.7 66.2 99.4

174 87.8 80.9 121.3

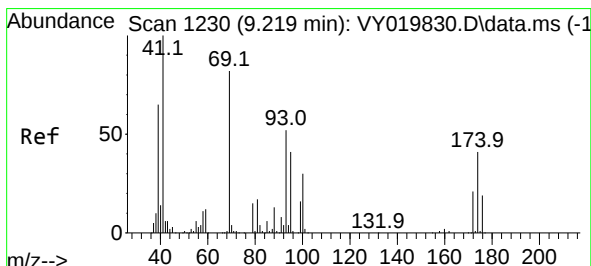
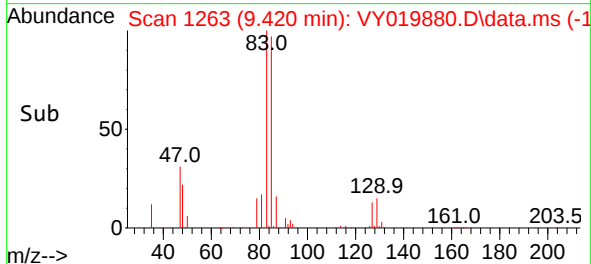
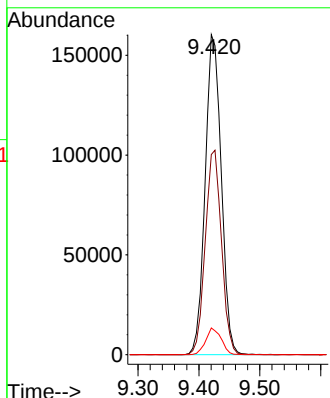
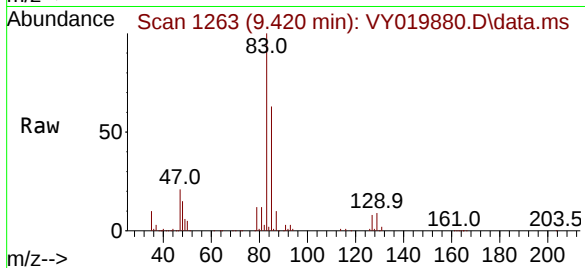




#47  
Bromodichloromethane  
Concen: 53.742 ug/l  
RT: 9.420 min Scan# 1263  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

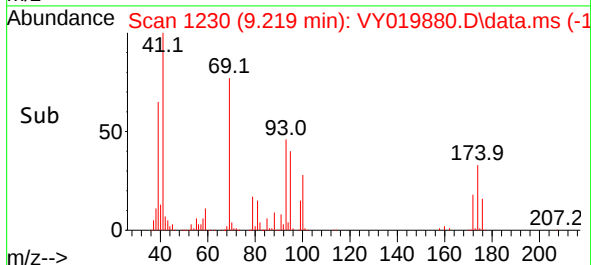
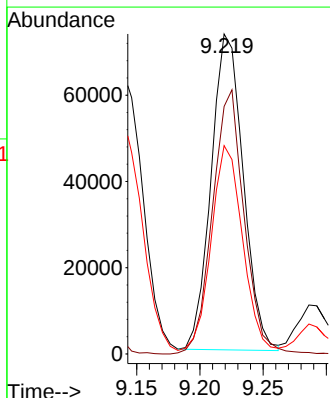
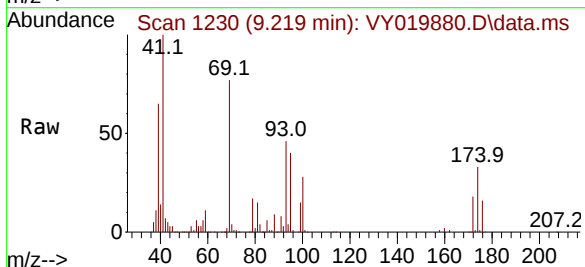
Instrument :  
MSVOA\_Y  
ClientSampleId :

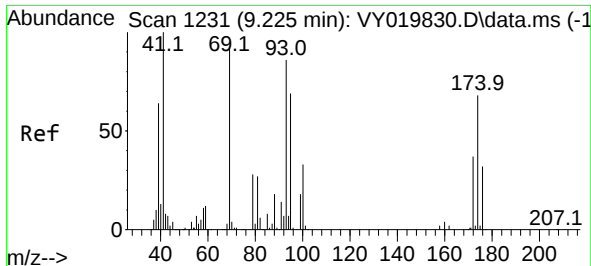
Tgt Ion: 83 Resp: 294646  
Ion Ratio Lower Upper  
83 100  
85 62.6 50.1 75.1  
127 8.3 7.4 11.0



#48  
Methyl methacrylate  
Concen: 55.440 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 41 Resp: 129432  
Ion Ratio Lower Upper  
41 100  
69 82.5 84.1 126.1#  
39 64.9 43.6 65.4





#49

1,4-Dioxane

Concen: 1039.653 ug/l

RT: 9.225 min Scan# 1

Delta R.T. -0.006 min

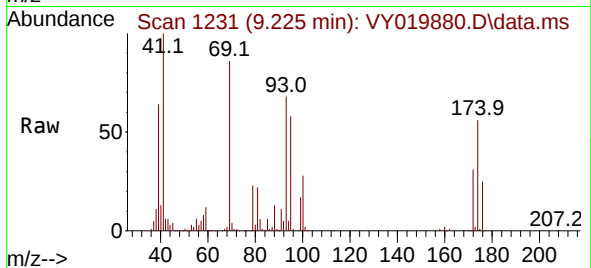
Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :



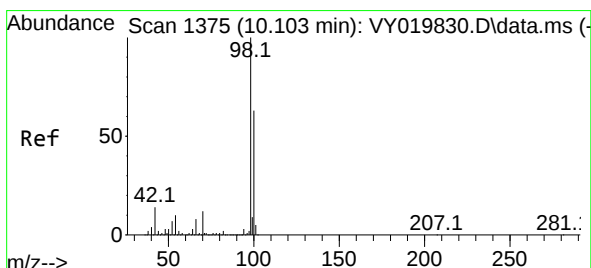
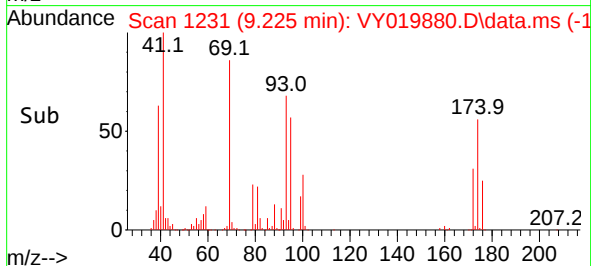
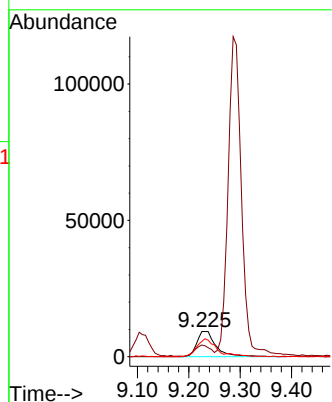
Tgt Ion: 88 Resp: 24035

Ion Ratio Lower Upper

88 100

43 35.9 0.0 0.0#

58 74.6 49.3 73.9#



#50

Toluene-d8

Concen: 55.523 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY019880.D

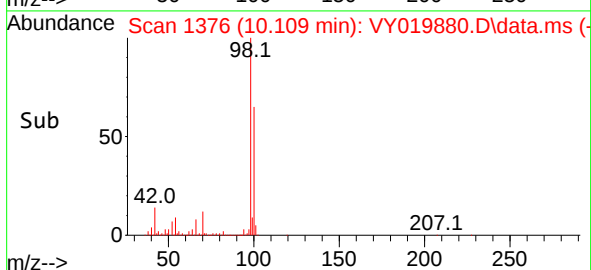
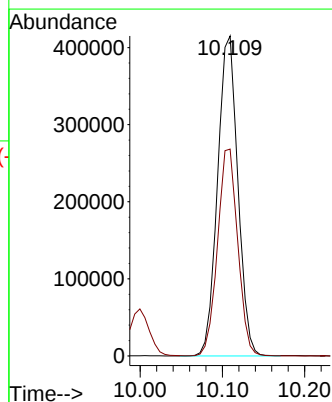
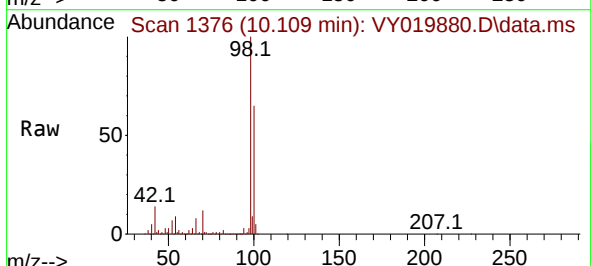
Acq: 11 Oct 2024 18:31

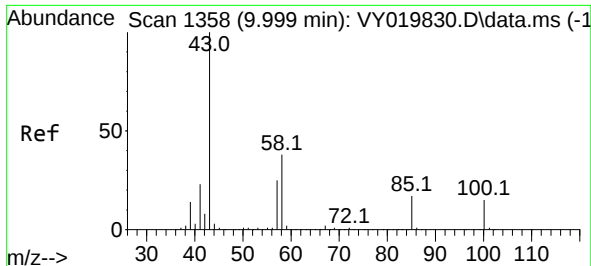
Tgt Ion: 98 Resp: 710310

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

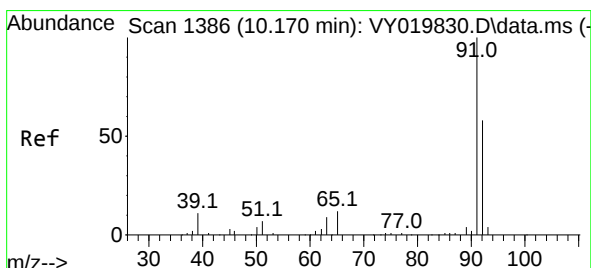
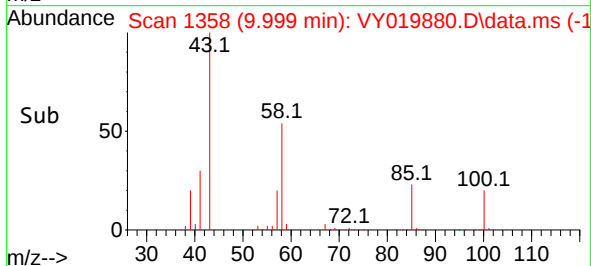
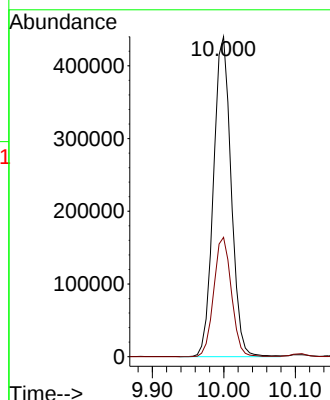
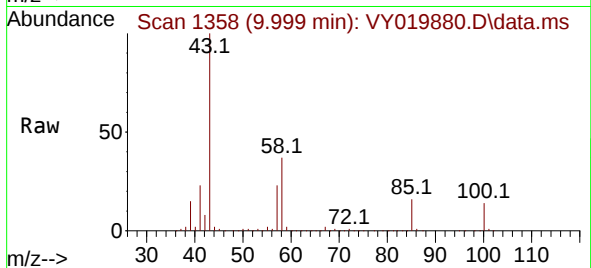




#51  
4-Methyl-2-Pentanone  
Concen: 278.711 ug/l  
RT: 9.999 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

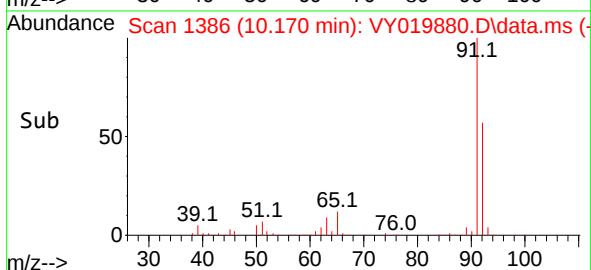
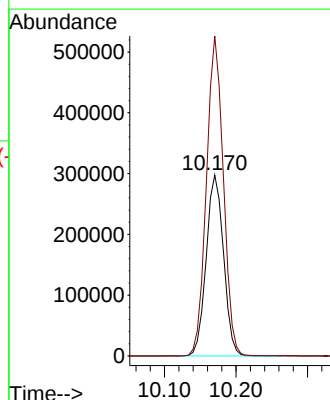
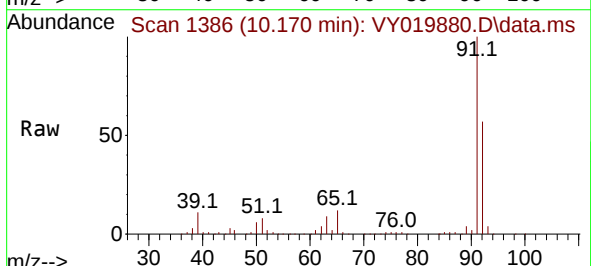
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 43 Resp: 754510  
Ion Ratio Lower Upper  
43 100  
58 37.4 35.7 53.5



#52  
Toluene  
Concen: 53.049 ug/l  
RT: 10.170 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 92 Resp: 500162  
Ion Ratio Lower Upper  
92 100  
91 173.4 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 52.647 ug/l

RT: 10.390 min Scan# 1422

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

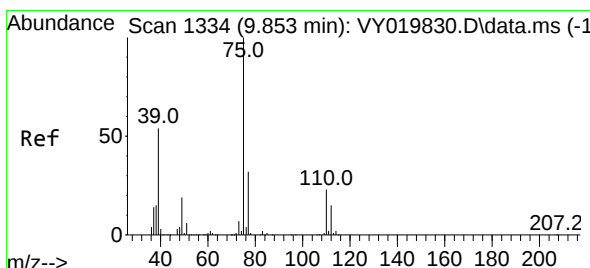
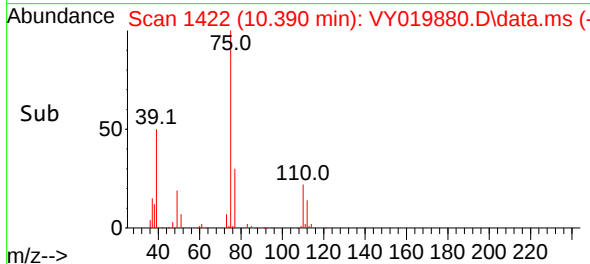
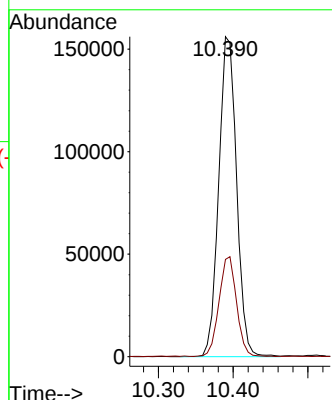
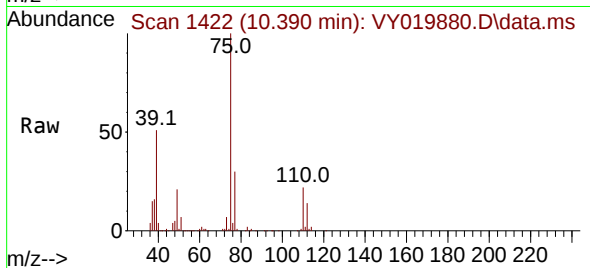
ClientSampleId :

Tgt Ion: 75 Resp: 259711

Ion Ratio Lower Upper

75 100

77 30.3 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 51.812 ug/l

RT: 9.853 min Scan# 1334

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

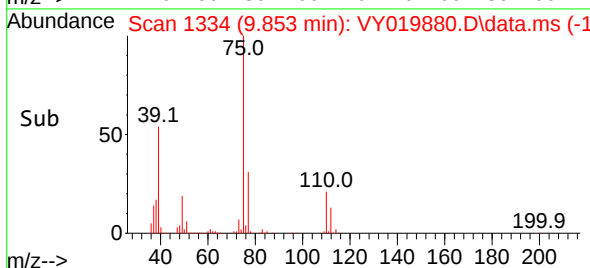
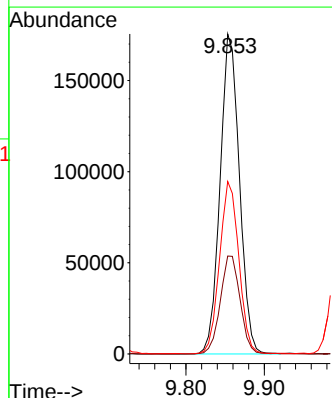
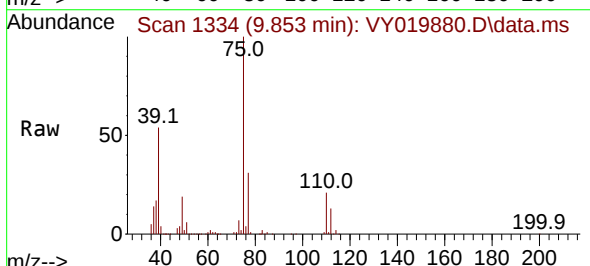
Tgt Ion: 75 Resp: 301587

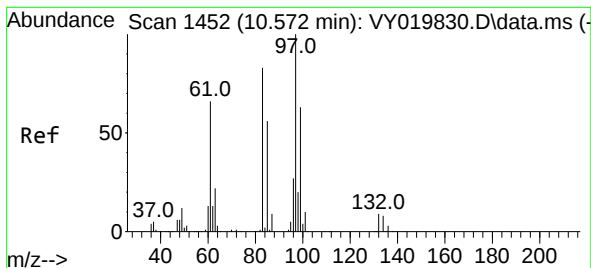
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.0

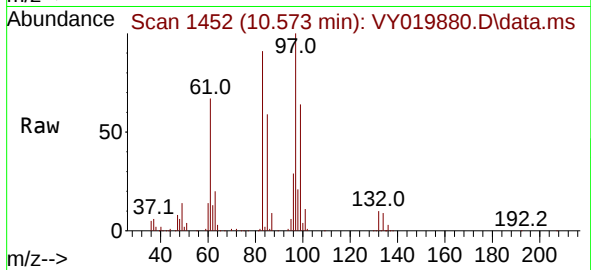
39 53.8 29.8 44.6#



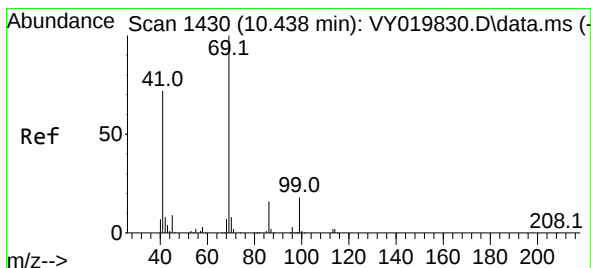
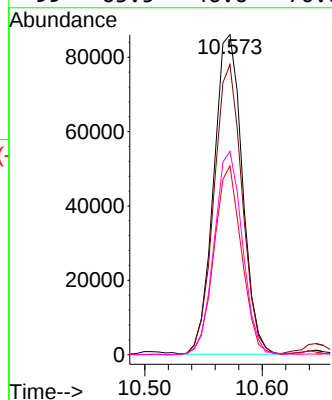
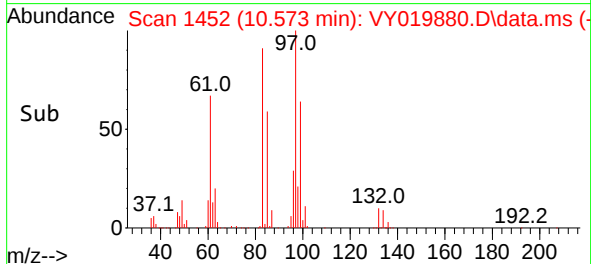


#55  
1,1,2-Trichloroethane  
Concen: 53.283 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

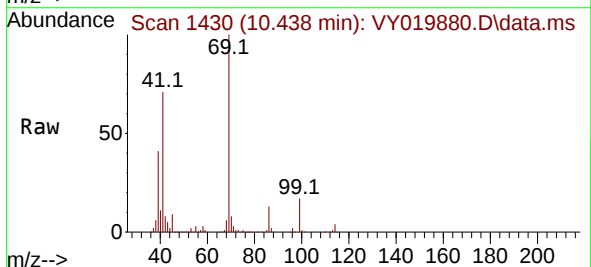
Instrument :  
MSVOA\_Y  
ClientSampleId :



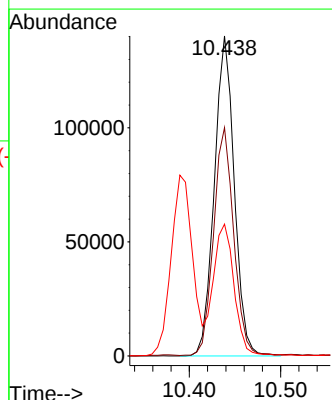
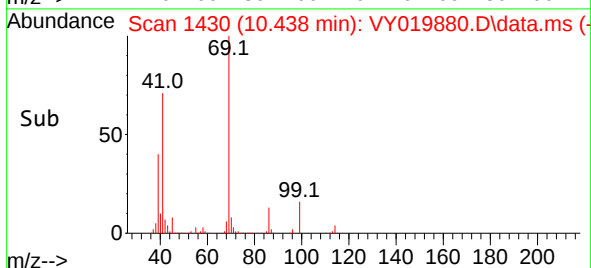
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 145004 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 90.8  | 67.5  | 101.3  |
| 85       | 59.0  | 42.9  | 64.3   |
| 99       | 63.5  | 46.6  | 70.0   |



#56  
Ethyl methacrylate  
Concen: 54.592 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 213178 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 71.7  | 42.3  | 63.5#  |
| 39       | 43.1  | 22.9  | 34.3#  |





#57

1,3-Dichloropropane

Concen: 53.996 ug/l

RT: 10.713 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

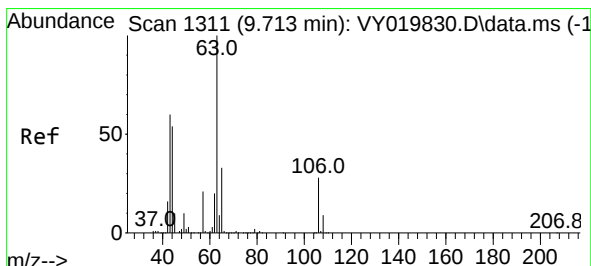
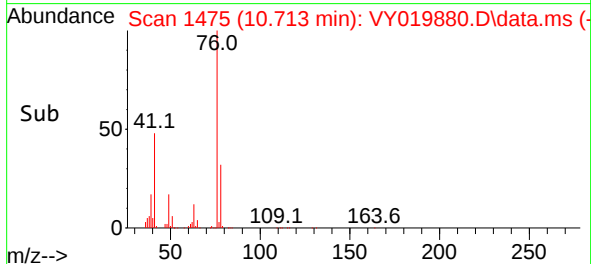
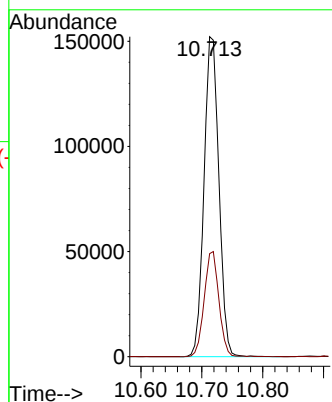
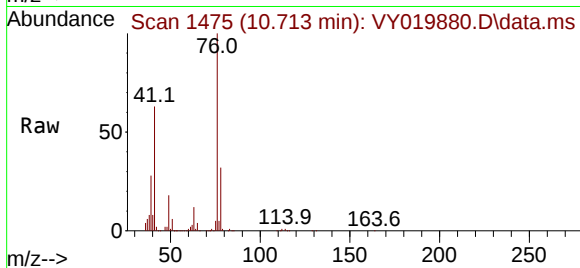
ClientSampleId :

Tgt Ion: 76 Resp: 258053

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 290.632 ug/l

RT: 9.713 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VY019880.D

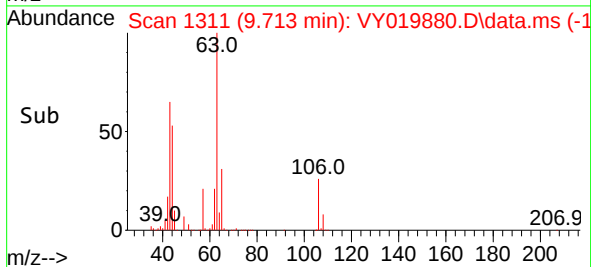
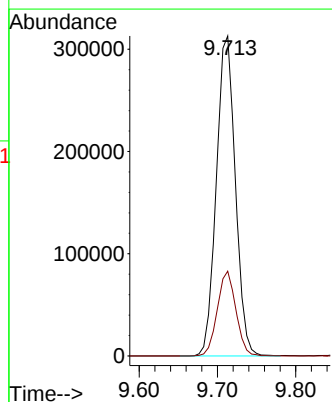
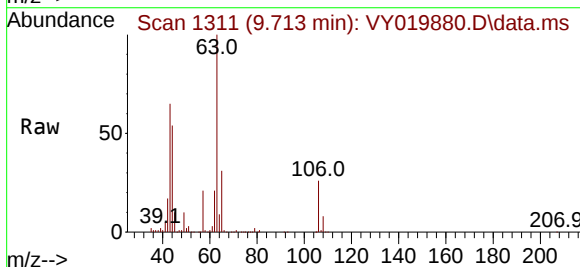
Acq: 11 Oct 2024 18:31

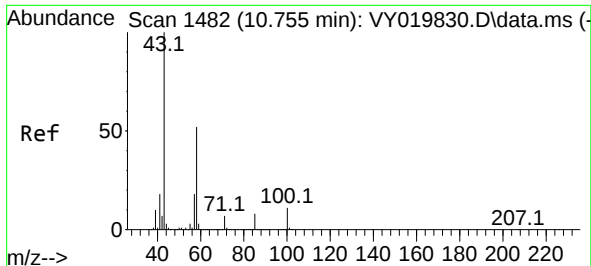
Tgt Ion: 63 Resp: 528327

Ion Ratio Lower Upper

63 100

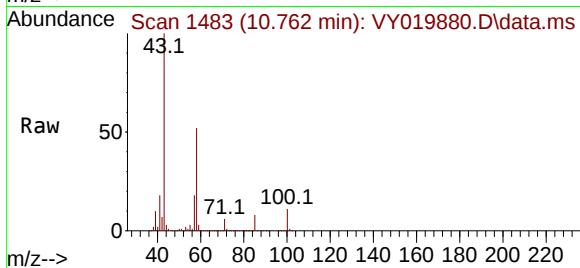
106 25.9 23.7 35.5



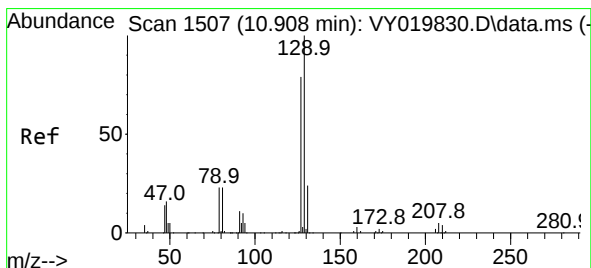
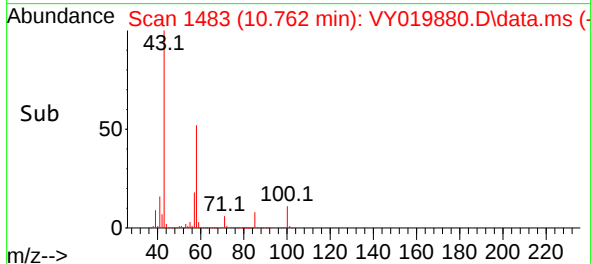
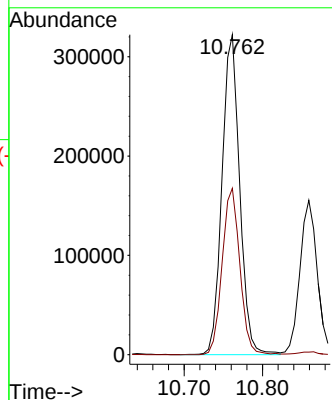


#59  
2-Hexanone  
Concen: 261.332 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Instrument :  
MSVOA\_Y  
ClientSampleId :

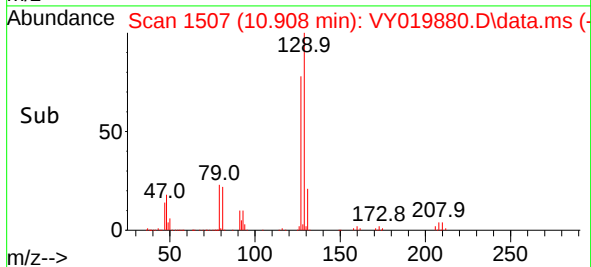
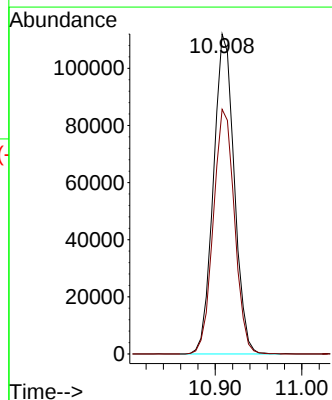
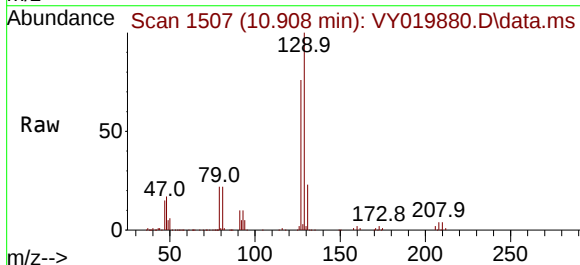


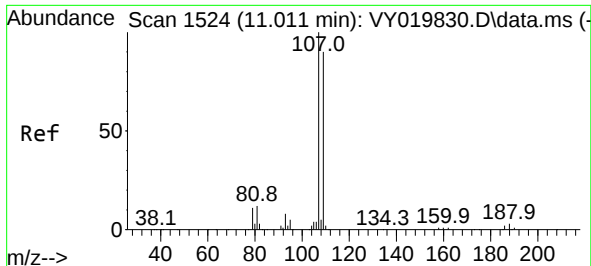
Tgt Ion: 43 Resp: 505292  
Ion Ratio Lower Upper  
43 100  
58 52.2 31.4 94.0



#60  
Dibromochloromethane  
Concen: 53.503 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 129 Resp: 186884  
Ion Ratio Lower Upper  
129 100  
127 77.8 39.0 117.0

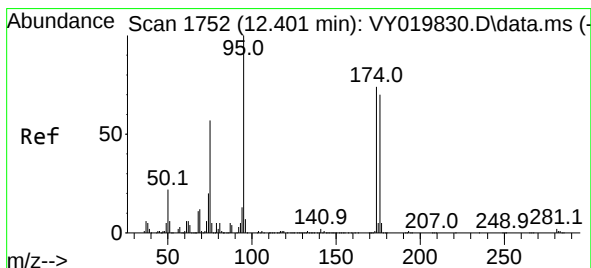
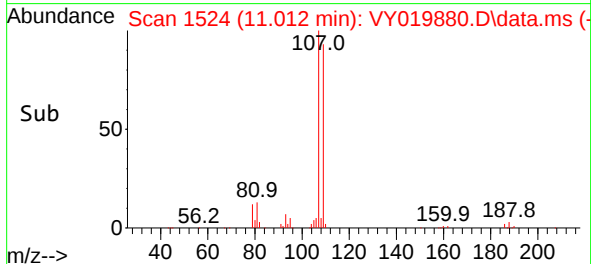
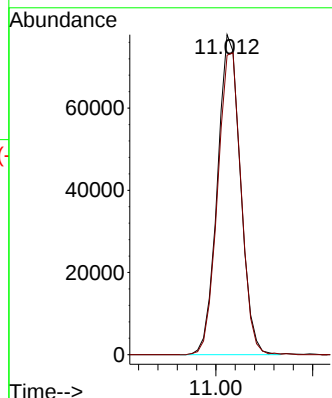
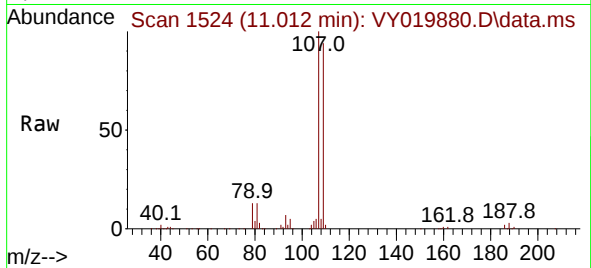




#61  
1,2-Dibromoethane  
Concen: 52.280 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

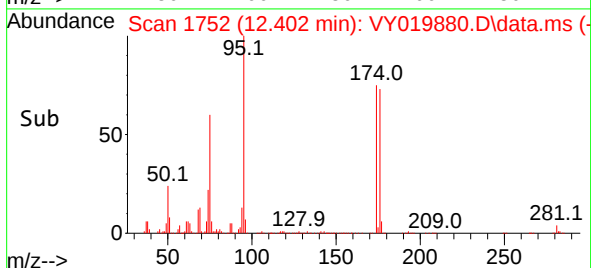
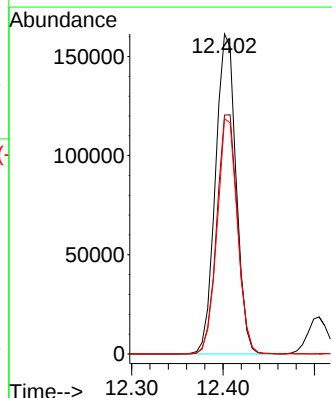
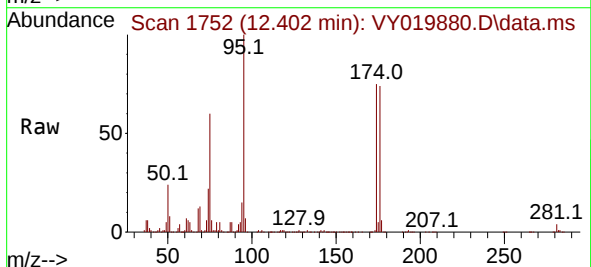
Instrument :  
MSVOA\_Y  
ClientSampleId :

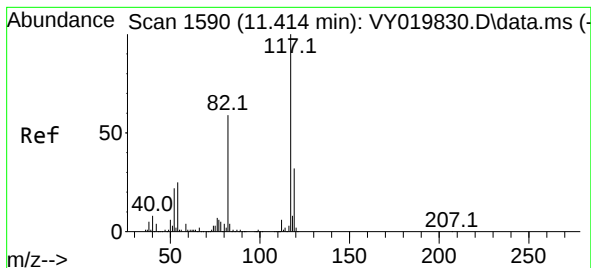
Tgt Ion:107 Resp: 128565  
Ion Ratio Lower Upper  
107 100  
109 96.1 75.9 113.9



#62  
4-Bromofluorobenzene  
Concen: 54.725 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 95 Resp: 252966  
Ion Ratio Lower Upper  
95 100  
174 75.2 0.0 175.6  
176 72.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

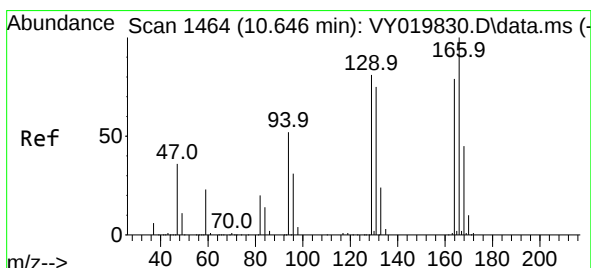
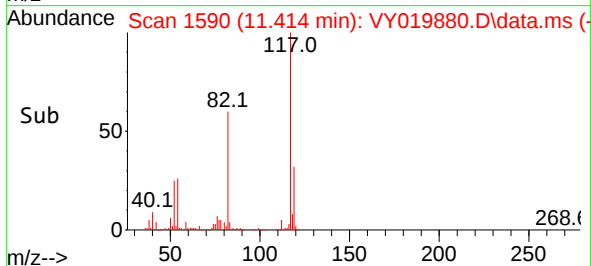
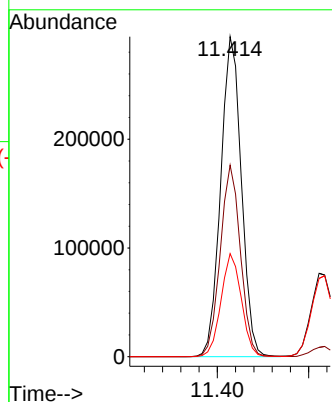
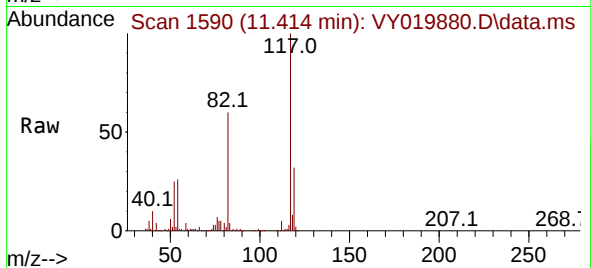
Tgt Ion:117 Resp: 462752

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.2 25.9 38.9



#64

Tetrachloroethene

Concen: 49.612 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Tgt Ion:164 Resp: 163298

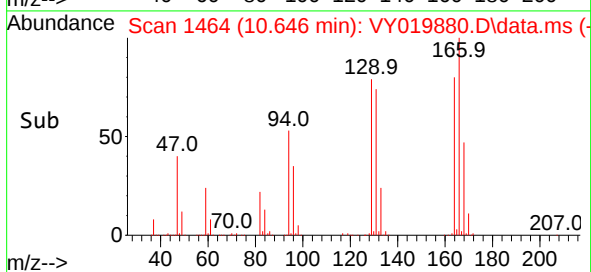
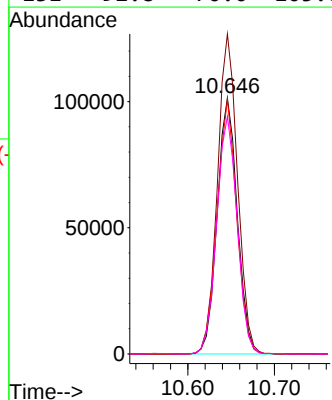
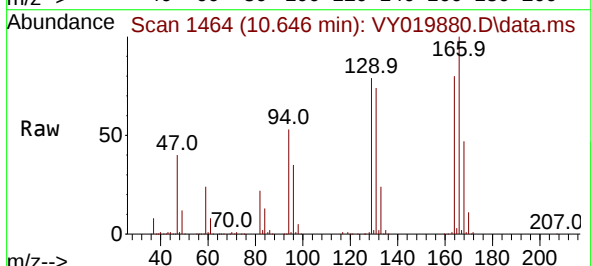
Ion Ratio Lower Upper

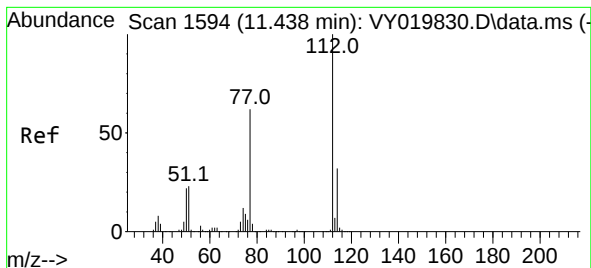
164 100

166 125.0 102.6 154.0

129 99.4 72.0 108.0

131 92.8 70.0 105.0





#65

Chlorobenzene

Concen: 50.725 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

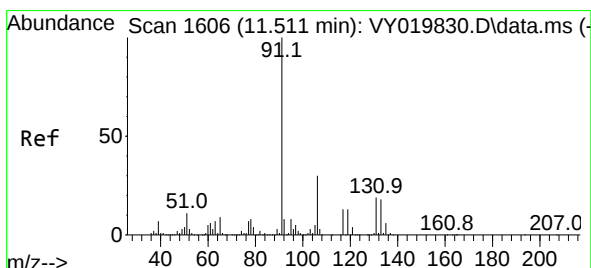
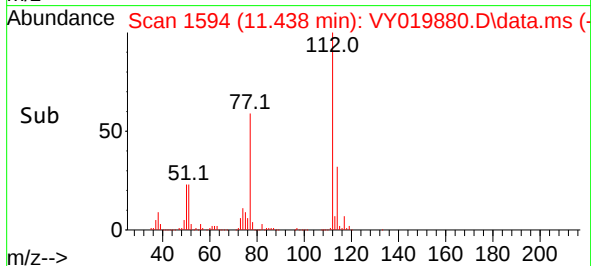
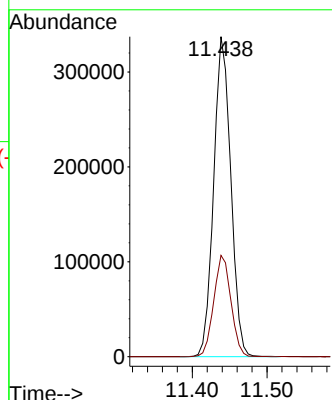
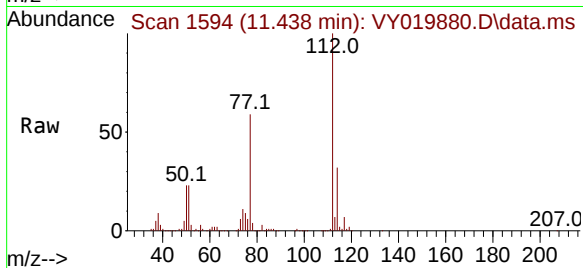
ClientSampleId :

Tgt Ion:112 Resp: 536883

Ion Ratio Lower Upper

112 100

114 31.7 26.4 39.6



#66

1,1,1,2-Tetrachloroethane

Concen: 51.856 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

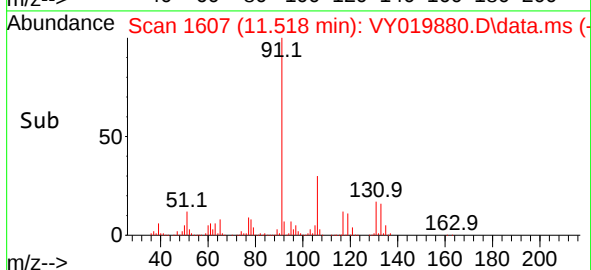
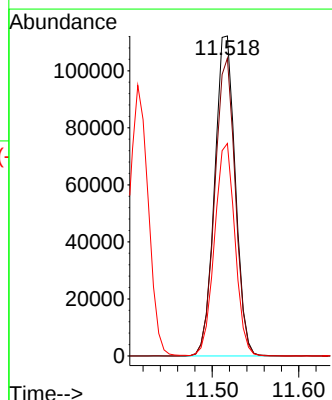
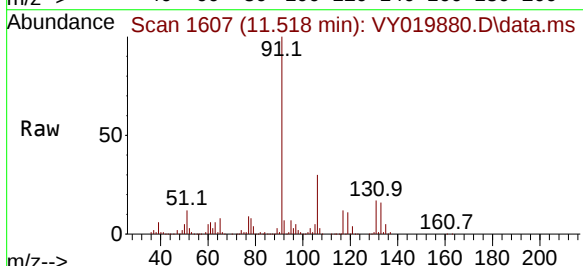
Tgt Ion:131 Resp: 185698

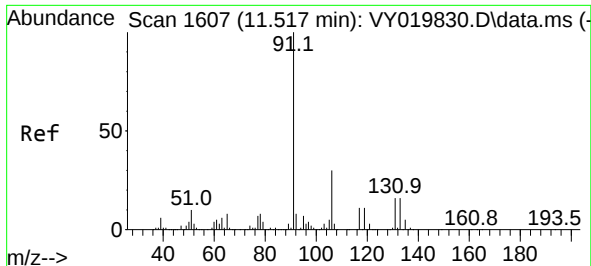
Ion Ratio Lower Upper

131 100

133 92.6 47.8 143.3

119 65.8 34.1 102.2





#67

Ethyl Benzene

Concen: 50.380 ug/l

RT: 11.518 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

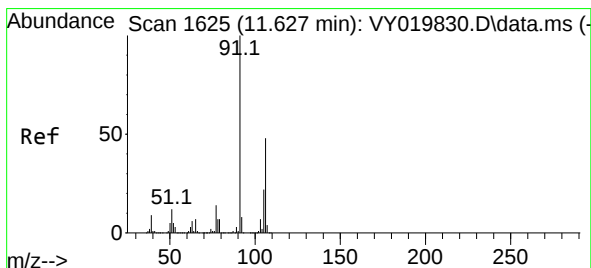
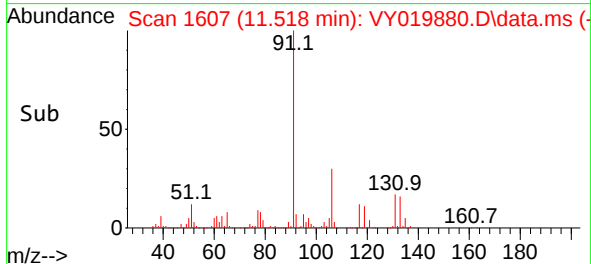
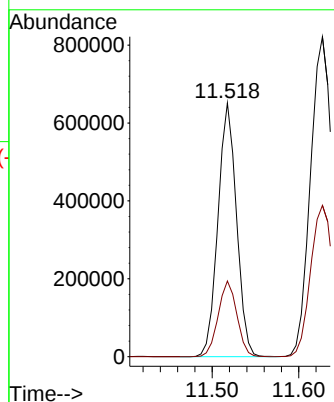
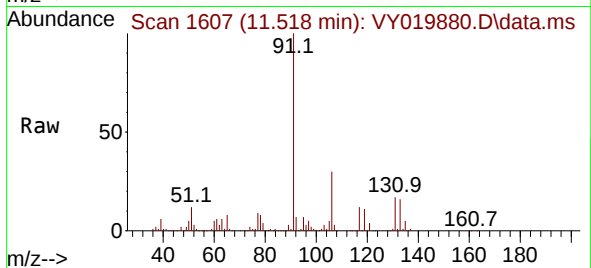
ClientSampleId :

Tgt Ion: 91 Resp: 968643

Ion Ratio Lower Upper

91 100

106 29.8 24.5 36.7



#68

m/p-Xylenes

Concen: 99.535 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019880.D

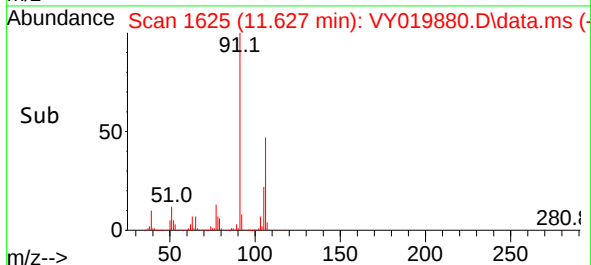
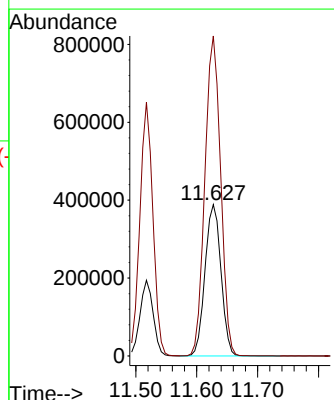
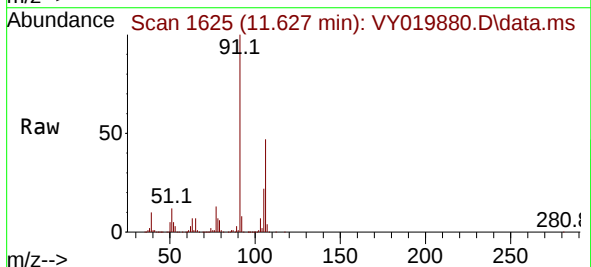
Acq: 11 Oct 2024 18:31

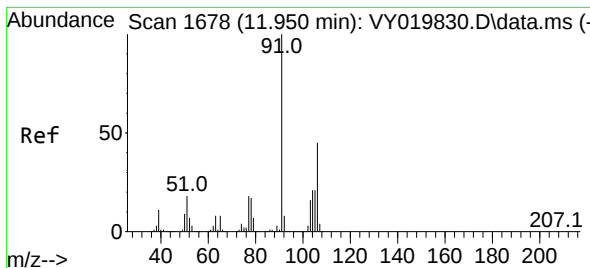
Tgt Ion:106 Resp: 706785

Ion Ratio Lower Upper

106 100

91 208.8 156.0 234.0





#69

o-Xylene

Concen: 50.567 ug/l

RT: 11.950 min Scan# 1678

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

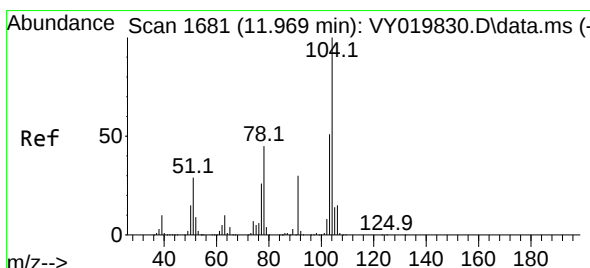
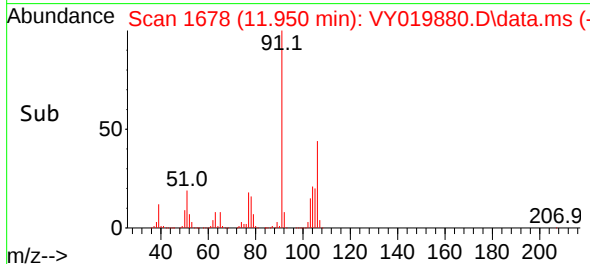
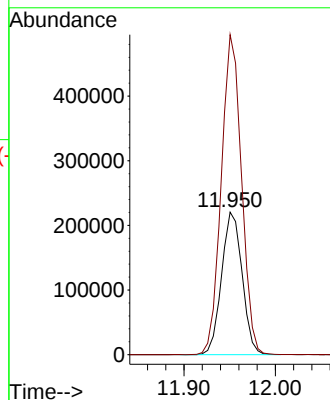
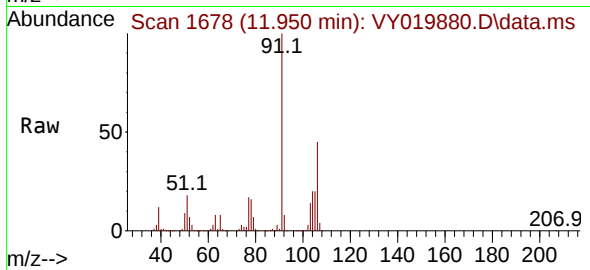
ClientSampleId :

Tgt Ion:106 Resp: 344997

Ion Ratio Lower Upper

106 100

91 221.4 103.6 310.8



#70

Styrene

Concen: 51.738 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

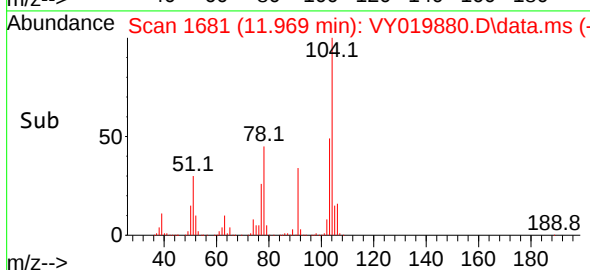
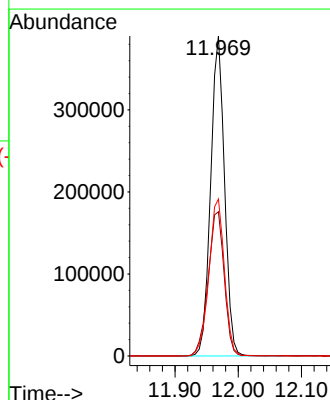
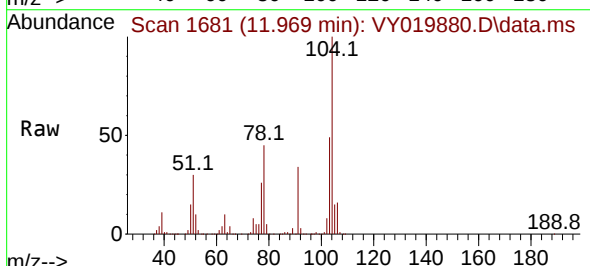
Tgt Ion:104 Resp: 595540

Ion Ratio Lower Upper

104 100

78 52.2 37.0 55.4

103 54.7 44.2 66.2





#71

Bromoform

Concen: 50.312 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019880.D

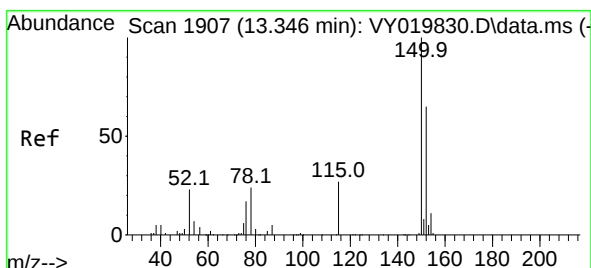
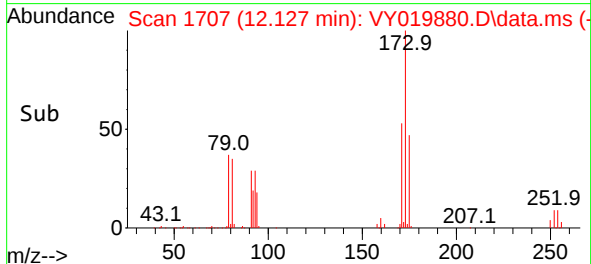
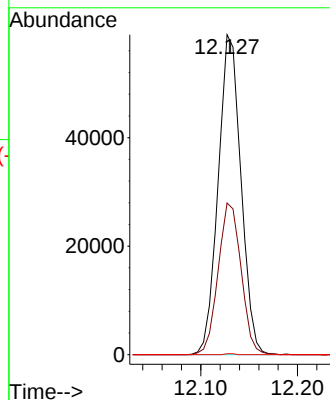
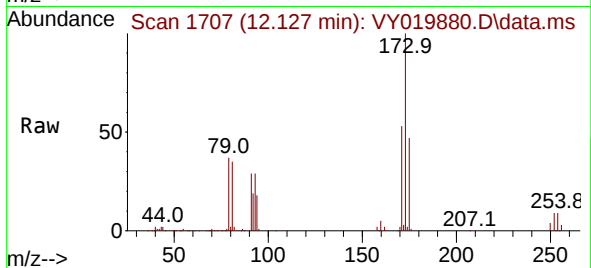
Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 96449     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 47.8  | 25.1 75.3 |
| 254         | 0.1   | 0.0 0.0#  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

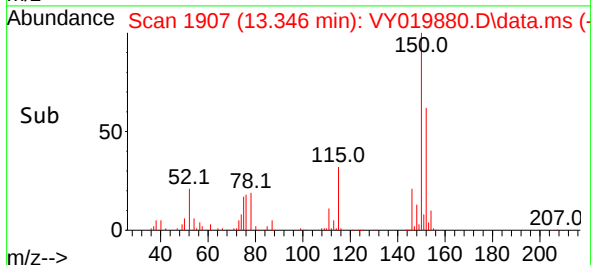
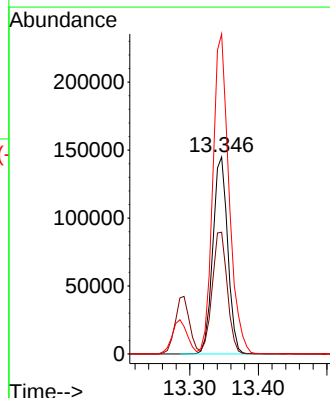
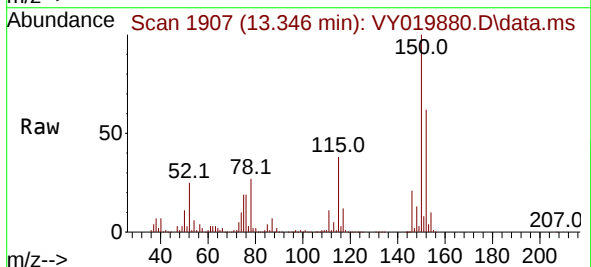
RT: 13.346 min Scan# 1907

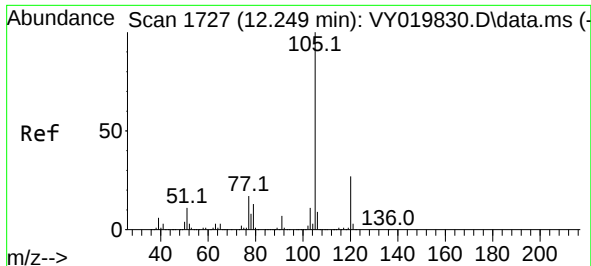
Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 218799    |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 115         | 62.5  | 28.2 84.7 |
| 150         | 176.5 | 0.0 345.6 |

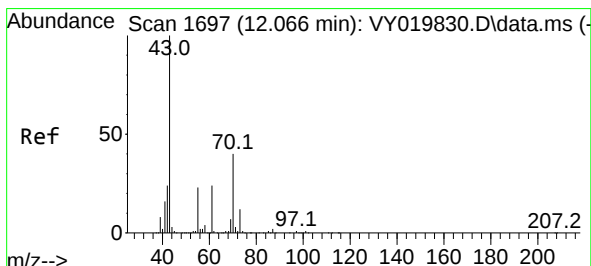
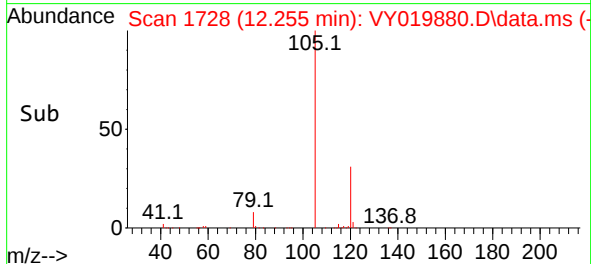
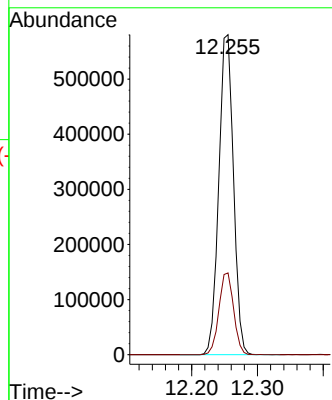
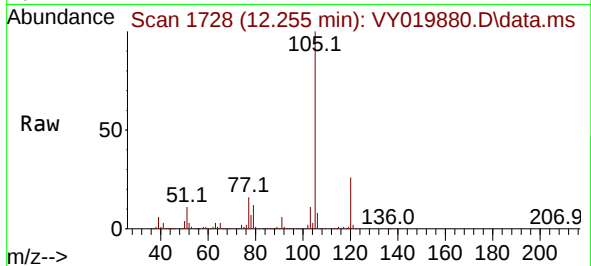




#73  
Isopropylbenzene  
Concen: 48.943 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

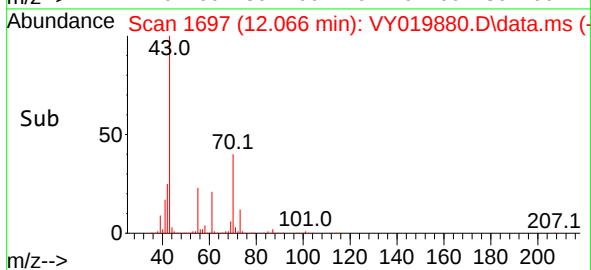
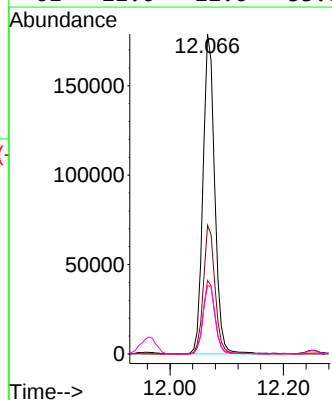
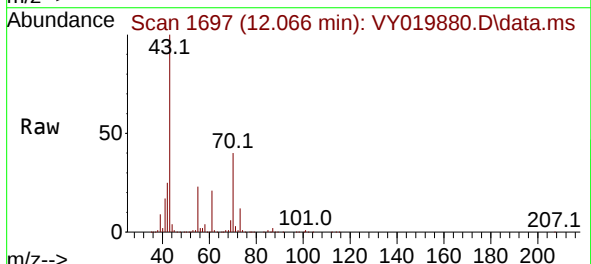
Instrument :  
MSVOA\_Y  
ClientSampleId :

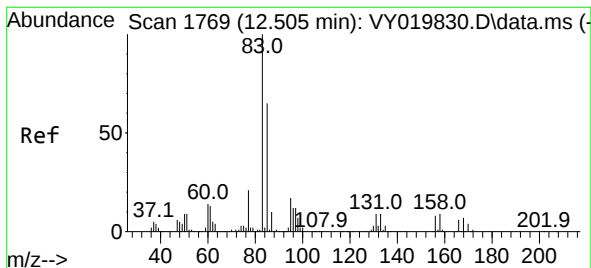
Tgt Ion:105 Resp: 900737  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.4 40.1



#74  
N-amy1 acetate  
Concen: 52.509 ug/l  
RT: 12.066 min Scan# 1697  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 43 Resp: 255949  
Ion Ratio Lower Upper  
43 100  
70 39.7 41.4 62.2#  
55 23.3 23.3 34.9  
61 22.6 22.6 33.8

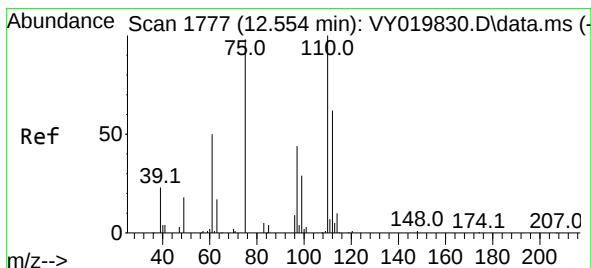
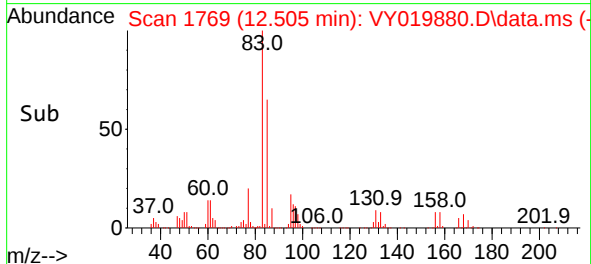
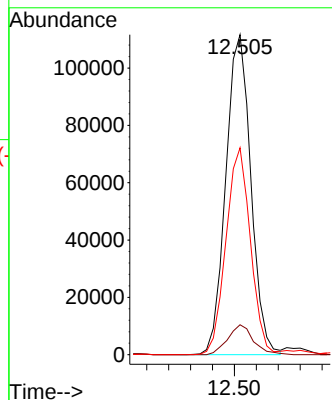
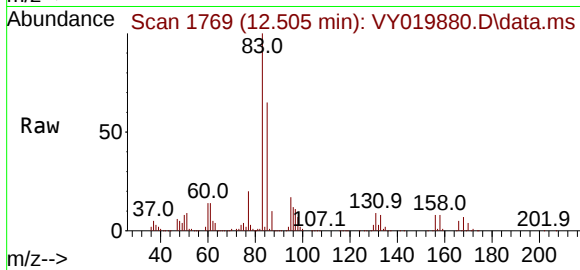




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 54.238 ug/l  
 RT: 12.505 min Scan# 1769  
 Delta R.T. -0.006 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

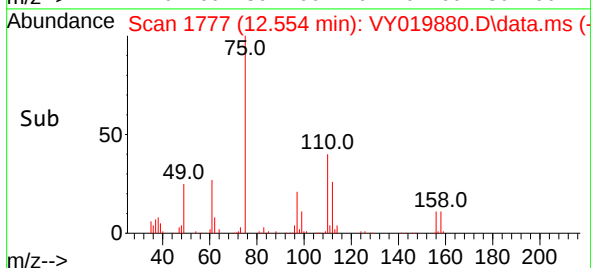
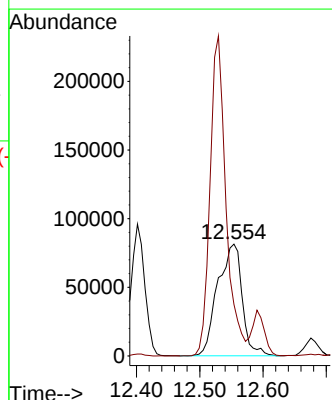
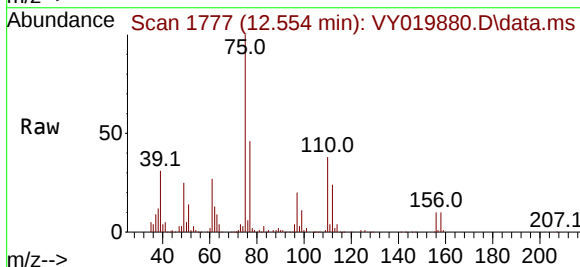
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

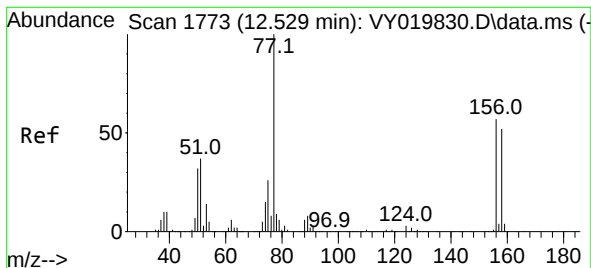
Tgt Ion: 83 Resp: 177367  
 Ion Ratio Lower Upper  
 83 100  
 131 9.5 5.0 14.9  
 85 63.2 32.0 96.0



#76  
 1,2,3-Trichloropropane  
 Concen: 51.060 ug/l  
 RT: 12.554 min Scan# 1777  
 Delta R.T. -0.006 min  
 Lab File: VY019880.D  
 Acq: 11 Oct 2024 18:31

Tgt Ion: 75 Resp: 218854  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.103 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

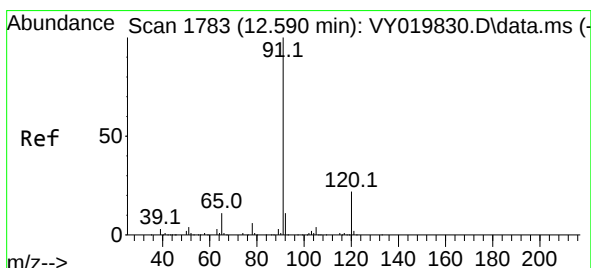
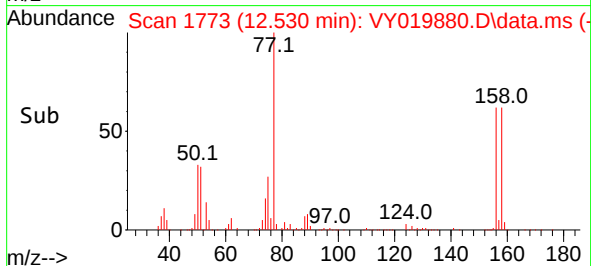
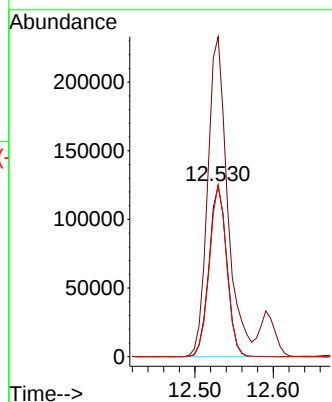
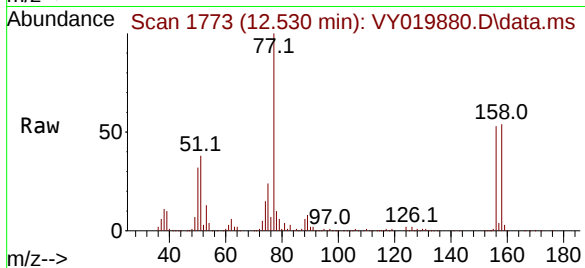
Tgt Ion:156 Resp: 195672

Ion Ratio Lower Upper

156 100

77 209.3 87.1 261.3

158 98.2 48.6 145.9



#78

n-propylbenzene

Concen: 48.735 ug/l

RT: 12.591 min Scan# 1783

Delta R.T. -0.006 min

Lab File: VY019880.D

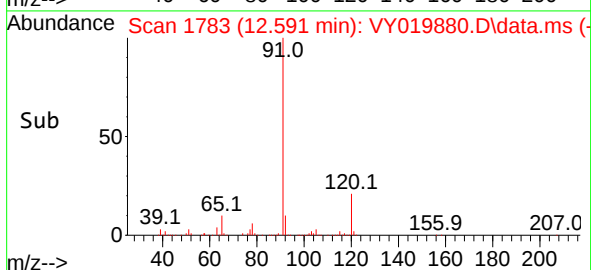
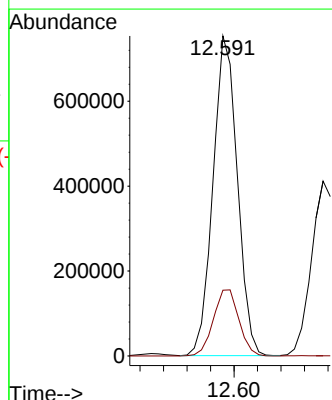
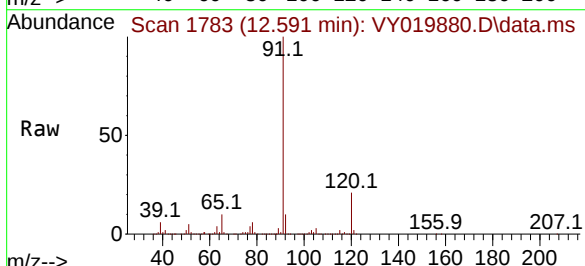
Acq: 11 Oct 2024 18:31

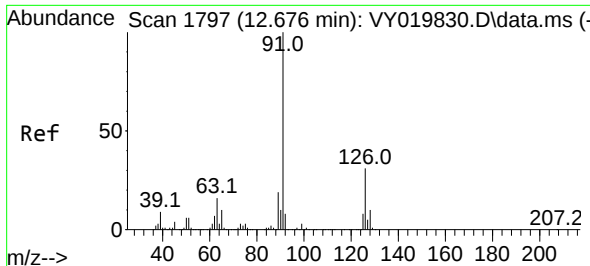
Tgt Ion: 91 Resp: 1083758

Ion Ratio Lower Upper

91 100

120 21.7 11.5 34.4

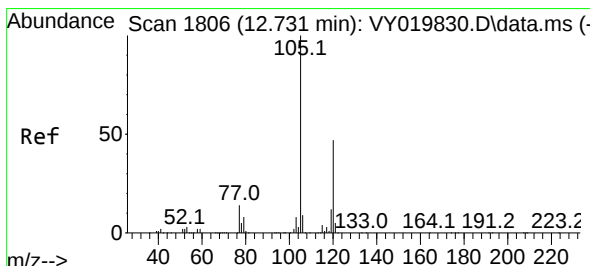
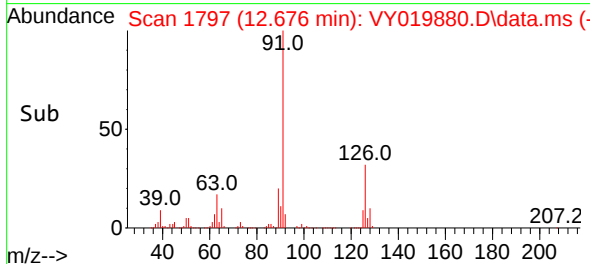
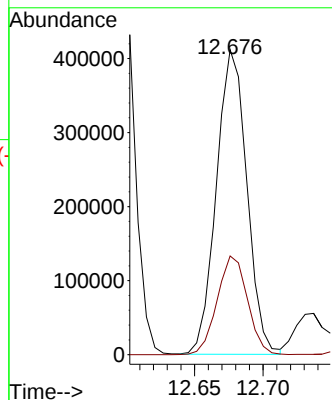
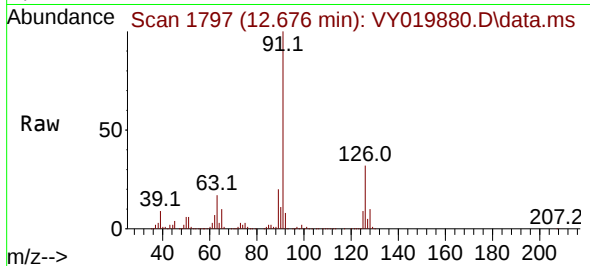




#79  
2-Chlorotoluene  
Concen: 49.984 ug/l  
RT: 12.676 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

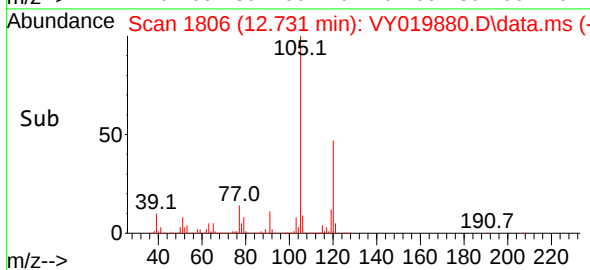
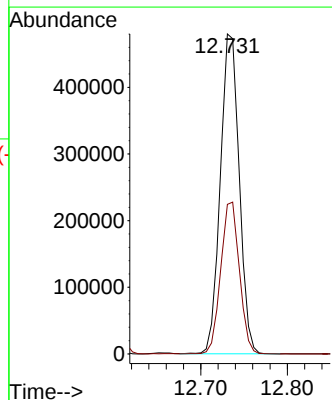
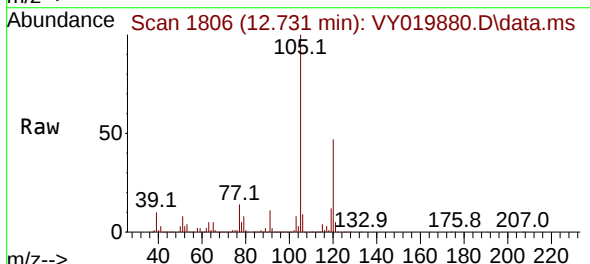
Instrument :  
MSVOA\_Y  
ClientSampleId :

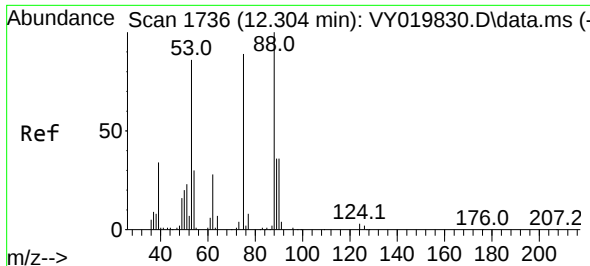
Tgt Ion: 91 Resp: 637234  
Ion Ratio Lower Upper  
91 100  
126 32.2 17.8 53.5



#80  
1,3,5-Trimethylbenzene  
Concen: 48.933 ug/l  
RT: 12.731 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion:105 Resp: 727274  
Ion Ratio Lower Upper  
105 100  
120 47.0 25.1 75.2

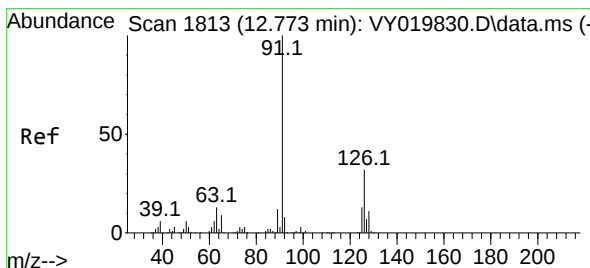
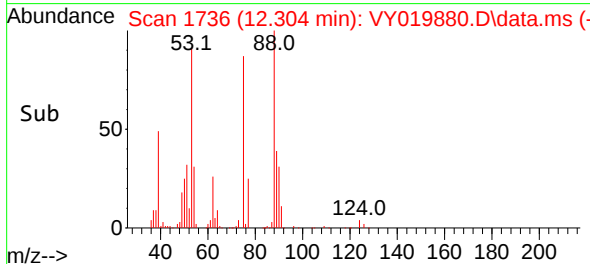
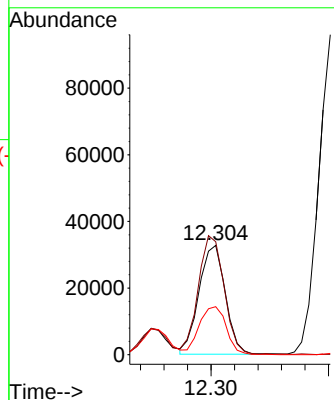
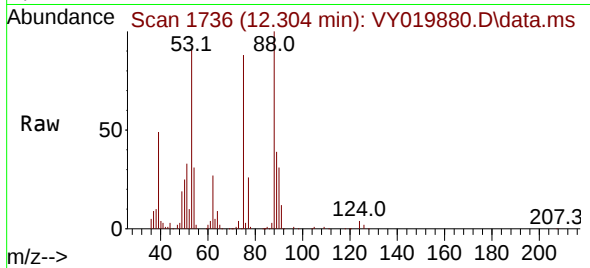




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.004 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

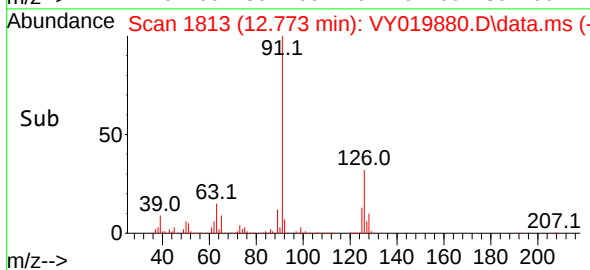
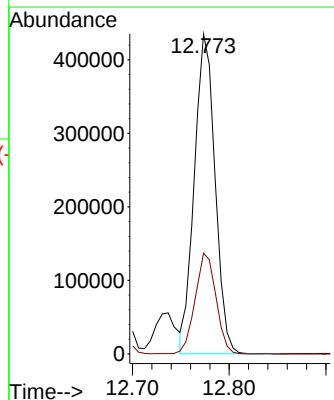
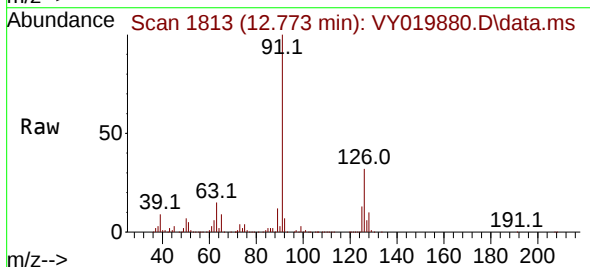
Instrument :  
MSVOA\_Y  
ClientSampleId :

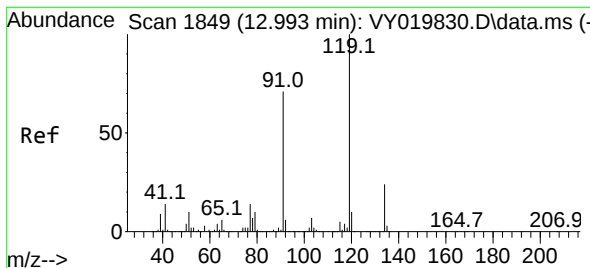
Tgt Ion: 75 Resp: 50976  
Ion Ratio Lower Upper  
75 100  
53 107.4 66.8 100.2#  
89 45.8 35.8 53.6



#82  
4-Chlorotoluene  
Concen: 49.685 ug/l  
RT: 12.773 min Scan# 1813  
Delta R.T. -0.006 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion: 91 Resp: 647669  
Ion Ratio Lower Upper  
91 100  
126 31.8 17.6 52.9





#83

tert-Butylbenzene

Concen: 47.693 ug/l

RT: 12.993 min Scan# 1849

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

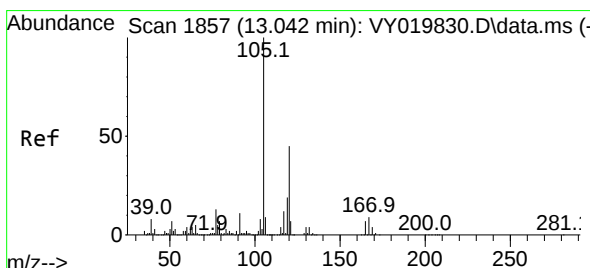
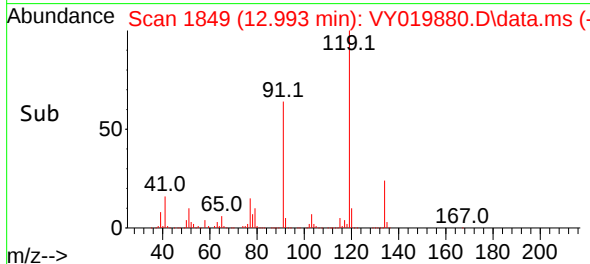
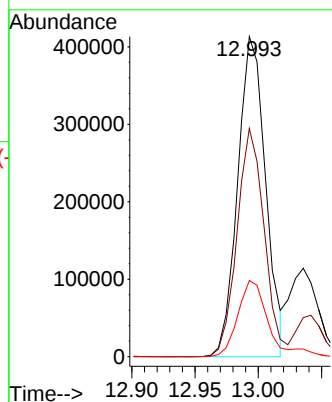
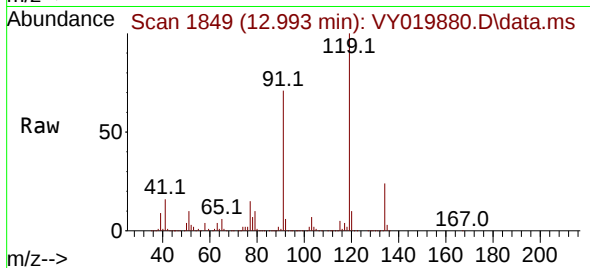
Tgt Ion:119 Resp: 635025

Ion Ratio Lower Upper

119 100

91 69.5 31.3 93.8

134 26.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 49.016 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019880.D

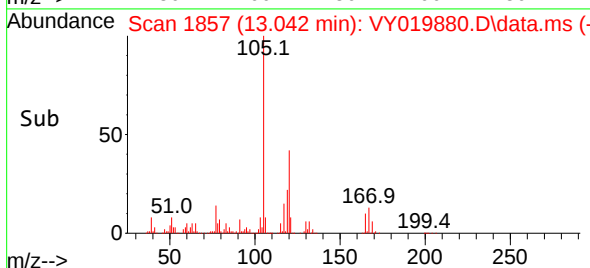
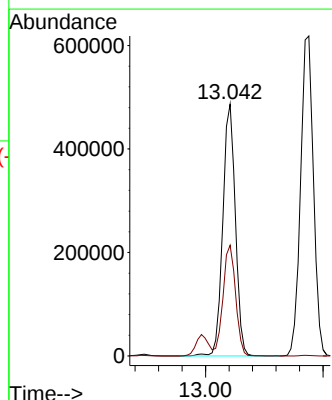
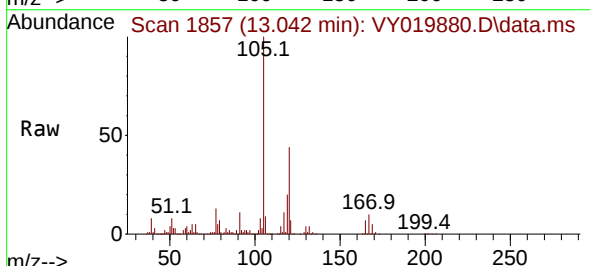
Acq: 11 Oct 2024 18:31

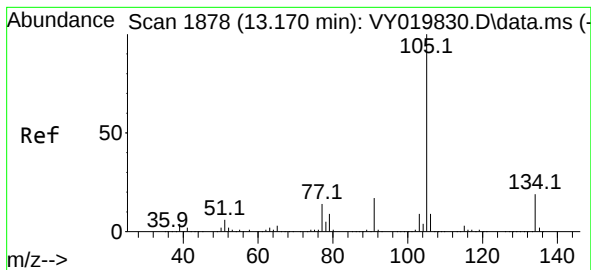
Tgt Ion:105 Resp: 722286

Ion Ratio Lower Upper

105 100

120 44.1 23.2 69.6

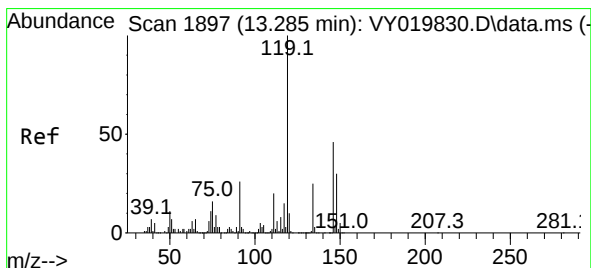
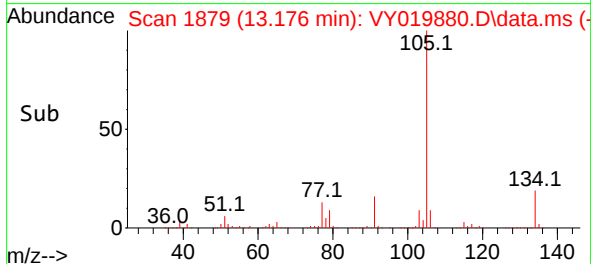
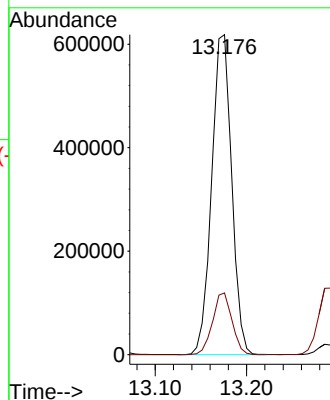
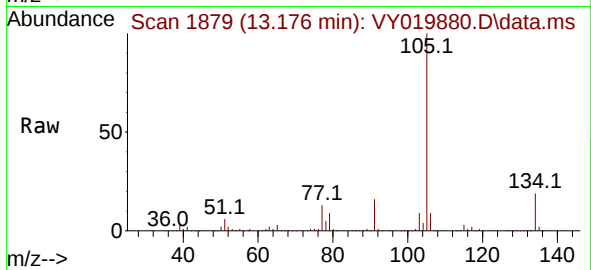




#85  
sec-Butylbenzene  
Concen: 47.123 ug/l  
RT: 13.176 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

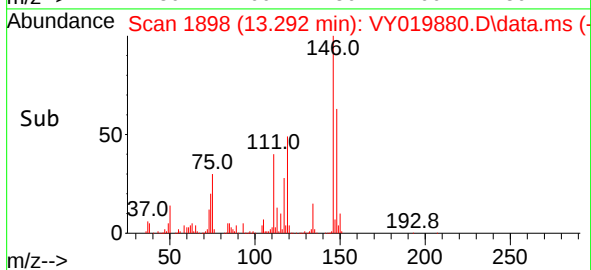
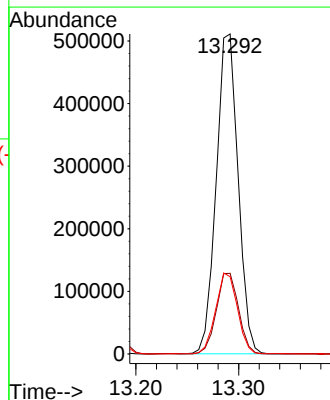
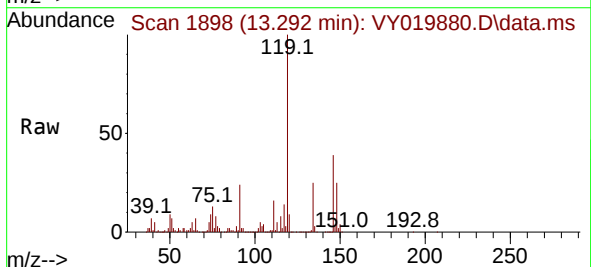
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:105 Resp: 937433  
Ion Ratio Lower Upper  
105 100  
134 18.8 10.1 30.1



#86  
p-Isopropyltoluene  
Concen: 46.690 ug/l  
RT: 13.292 min Scan# 1898  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

Tgt Ion:119 Resp: 754229  
Ion Ratio Lower Upper  
119 100  
134 25.6 13.1 39.3  
91 25.1 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 48.378 ug/l

RT: 13.286 min Scan# 1897

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

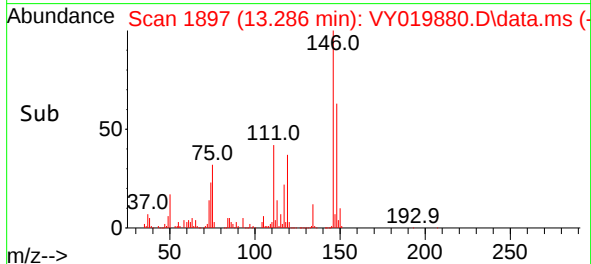
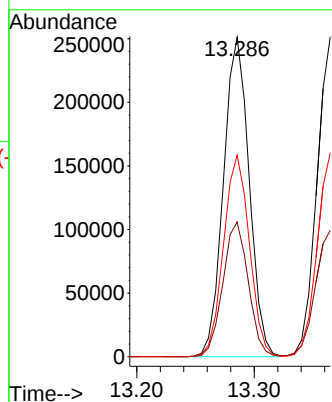
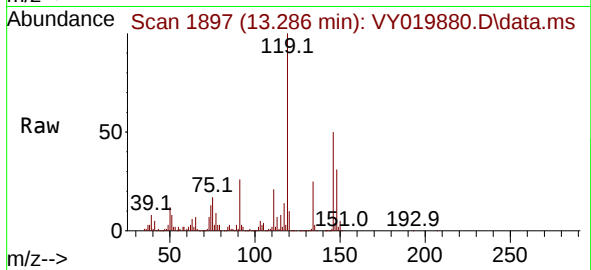
Tgt Ion:146 Resp: 381548

Ion Ratio Lower Upper

146 100

111 41.8 19.0 57.0

148 63.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 48.308 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

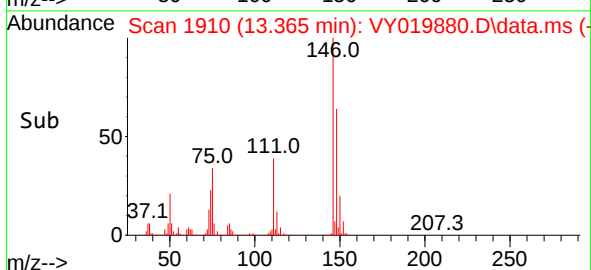
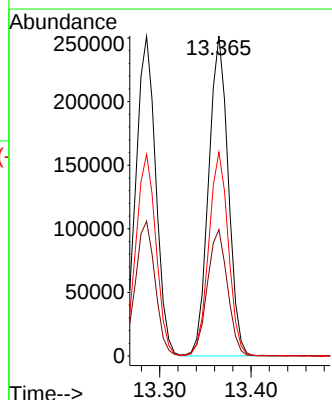
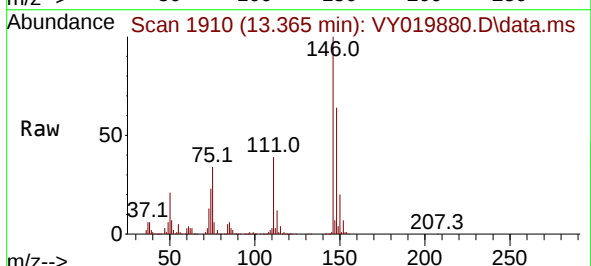
Tgt Ion:146 Resp: 374288

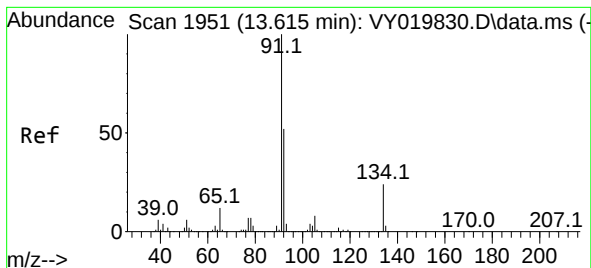
Ion Ratio Lower Upper

146 100

111 41.1 18.4 55.4

148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 46.365 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

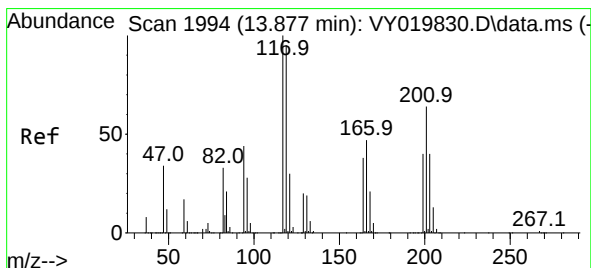
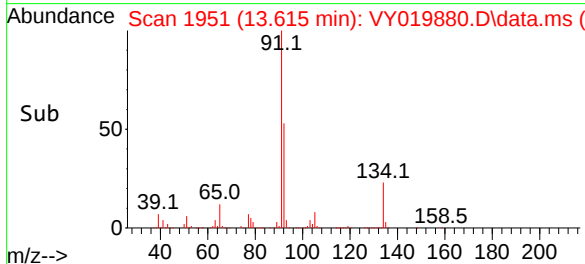
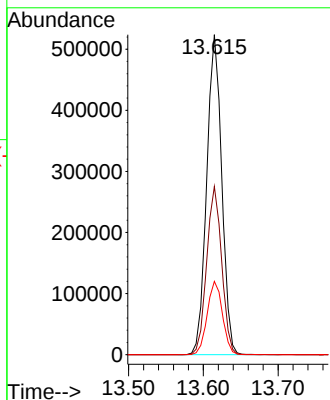
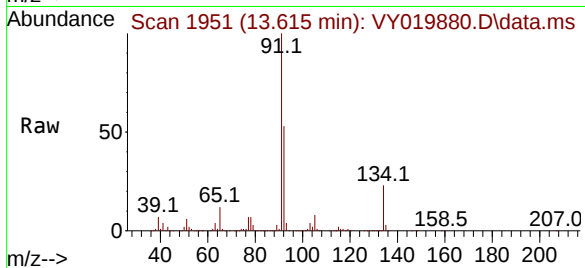
Tgt Ion: 91 Resp: 731333

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.7

134 23.3 12.9 38.7



#90

Hexachloroethane

Concen: 47.278 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019880.D

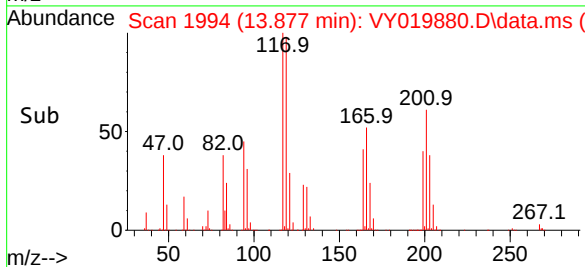
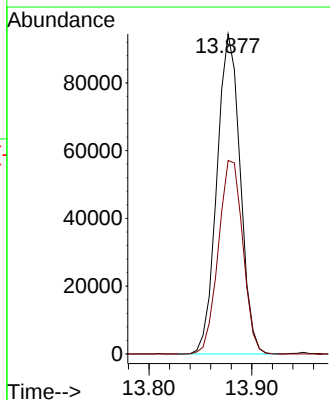
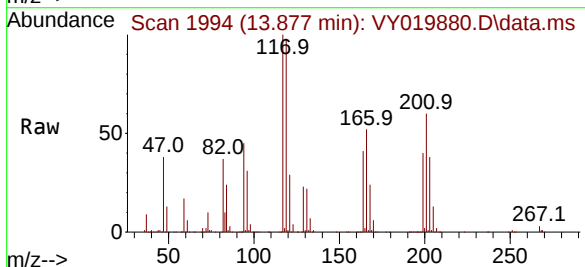
Acq: 11 Oct 2024 18:31

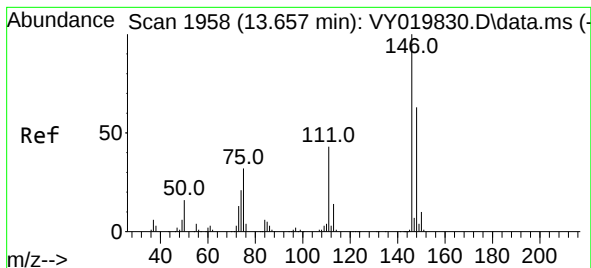
Tgt Ion: 117 Resp: 148714

Ion Ratio Lower Upper

117 100

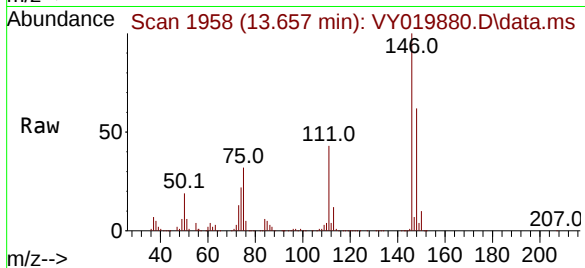
201 63.4 37.4 112.2



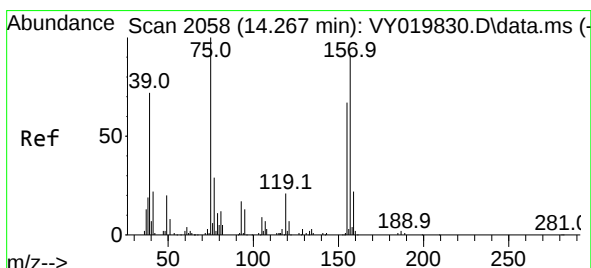
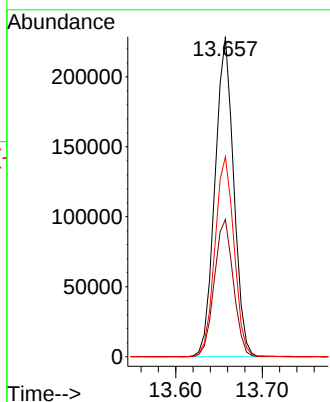
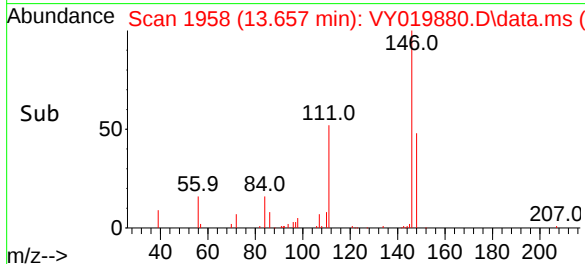


#91  
1,2-Dichlorobenzene  
Concen: 49.474 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31

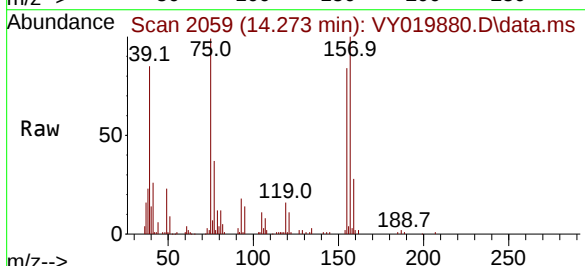
Instrument :  
MSVOA\_Y  
ClientSampleId :



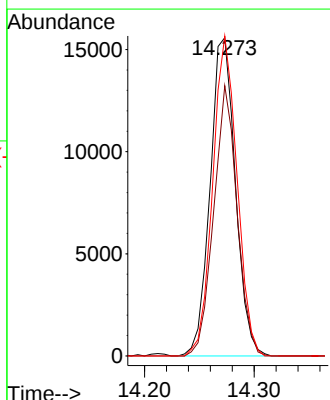
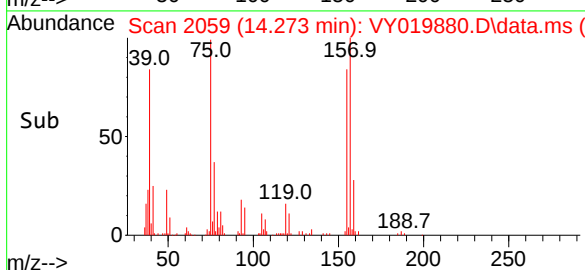
Tgt Ion:146 Resp: 342843  
Ion Ratio Lower Upper  
146 100  
111 43.6 19.9 59.7  
148 63.8 31.8 95.4

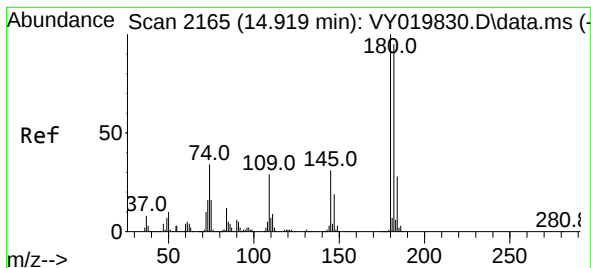


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.856 ug/l  
RT: 14.273 min Scan# 2059  
Delta R.T. 0.000 min  
Lab File: VY019880.D  
Acq: 11 Oct 2024 18:31



Tgt Ion: 75 Resp: 24976  
Ion Ratio Lower Upper  
75 100  
155 78.4 48.6 145.8  
157 96.7 62.7 188.2





#93

1,2,4-Trichlorobenzene

Concen: 43.456 ug/l

RT: 14.919 min Scan# 2165

Delta R.T. 0.000 min

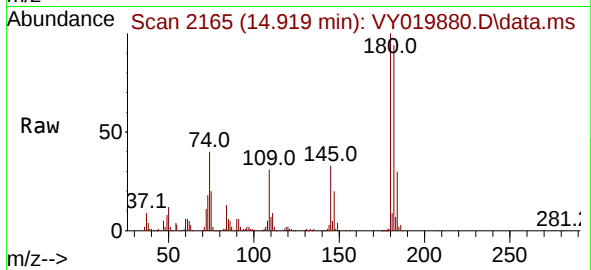
Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :



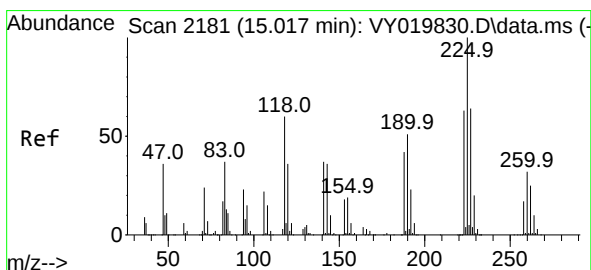
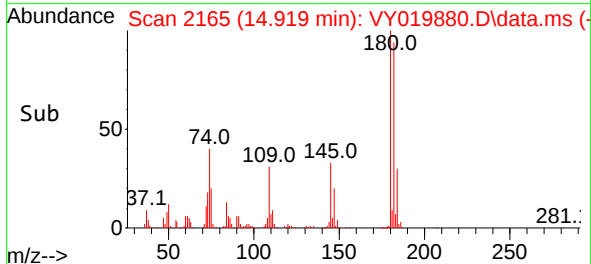
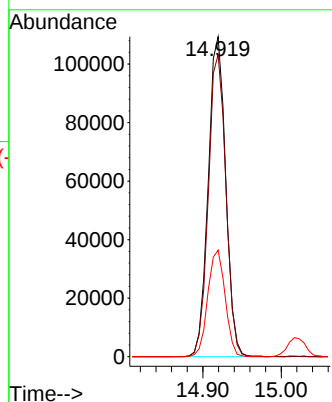
Tgt Ion:180 Resp: 168860

Ion Ratio Lower Upper

180 100

182 94.8 47.9 143.8

145 33.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 41.843 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

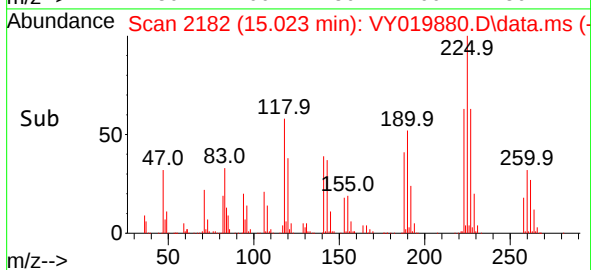
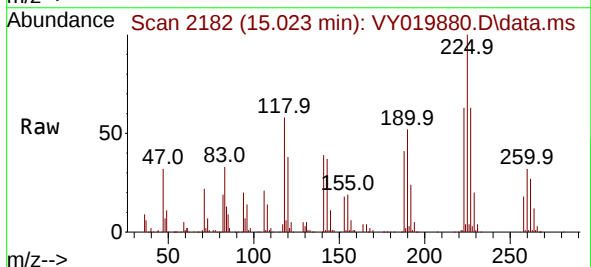
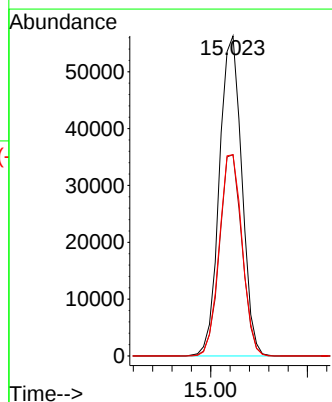
Tgt Ion:225 Resp: 90395

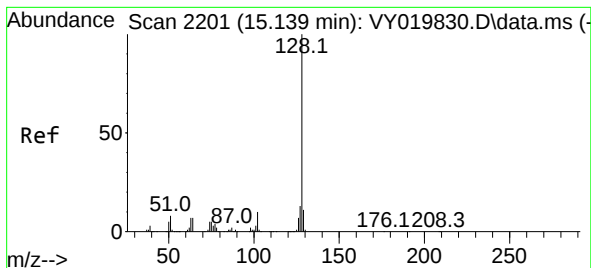
Ion Ratio Lower Upper

225 100

223 62.9 30.4 91.2

227 64.2 31.9 95.9





#95

Naphthalene

Concen: 48.188 ug/l

RT: 15.145 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Instrument :

MSVOA\_Y

ClientSampleId :

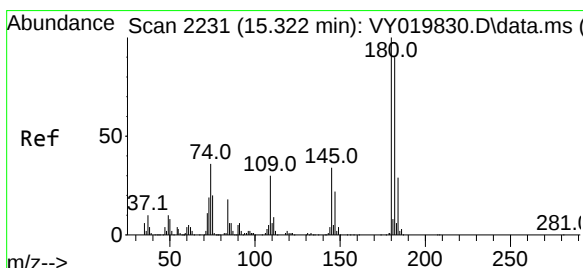
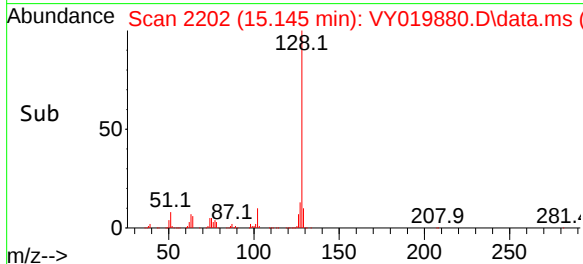
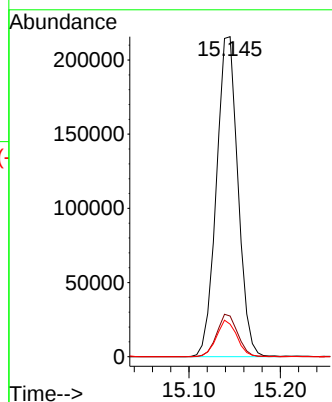
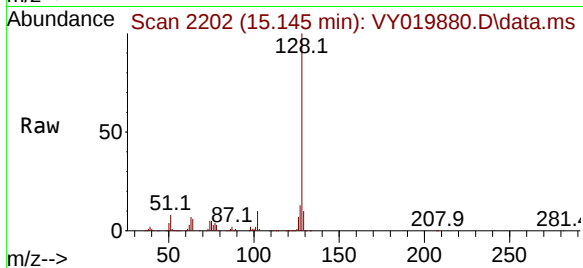
Tgt Ion:128 Resp: 353162

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 45.501 ug/l

RT: 15.328 min Scan# 2232

Delta R.T. 0.000 min

Lab File: VY019880.D

Acq: 11 Oct 2024 18:31

Tgt Ion:180 Resp: 149458

Ion Ratio Lower Upper

180 100

182 93.3 47.6 142.9

145 33.7 15.4 46.1

