

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020682.D  
 Acq On : 20 Dec 2024 19:35  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 143833   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 225180   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 204671   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 118027   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 67912    | 43.111   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 86.220% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 70081    | 44.159   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 88.320% |
| 50) Toluene-d8              | 10.103 | 98    | 236316   | 42.543   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 85.080% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 91351    | 42.042   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 84.080% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 81747  | 45.502  | ug/l   | 95  |
| 3) Chloromethane             | 2.068 | 50  | 58949  | 44.285  | ug/l   | 95  |
| 4) Vinyl Chloride            | 2.202 | 62  | 37701  | 30.430  | ug/l   | 97  |
| 5) Bromomethane              | 2.598 | 94  | 27270  | 34.241  | ug/l   | 96  |
| 6) Chloroethane              | 2.733 | 64  | 23852  | 31.154  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 3.062 | 101 | 97429  | 37.582  | ug/l   | 98  |
| 8) Diethyl Ether             | 3.458 | 74  | 38091  | 41.896  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 3.818 | 101 | 72820  | 39.189  | ug/l   | 100 |
| 10) Methyl Iodide            | 4.007 | 142 | 89063  | 43.050  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 4.866 | 59  | 36300  | 213.879 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 71932  | 39.896  | ug/l   | 95  |
| 13) Acrolein                 | 3.653 | 56  | 10852  | 145.691 | ug/l   | 100 |
| 14) Allyl chloride           | 4.385 | 41  | 138460 | 43.827  | ug/l   | 98  |
| 15) Acrylonitrile            | 5.061 | 53  | 114092 | 262.307 | ug/l   | 98  |
| 16) Acetone                  | 3.873 | 43  | 62589  | 198.675 | ug/l   | 99  |
| 17) Carbon Disulfide         | 4.104 | 76  | 240927 | 41.052  | ug/l   | 99  |
| 18) Methyl Acetate           | 4.385 | 43  | 49816  | 46.480  | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 242425 | 52.095  | ug/l   | 98  |
| 20) Methylene Chloride       | 4.616 | 84  | 94785  | 48.394  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 102508 | 50.685  | ug/l   | 94  |
| 22) Diisopropyl ether        | 6.025 | 45  | 337414 | 52.616  | ug/l   | 99  |
| 23) Vinyl Acetate            | 5.964 | 43  | 967217 | 266.302 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 5.921 | 63  | 196407 | 52.280  | ug/l   | 99  |
| 25) 2-Butanone               | 6.896 | 43  | 145082 | 247.823 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 6.890 | 77  | 162135 | 45.653  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 120298 | 51.699  | ug/l   | 98  |
| 28) Bromochloromethane       | 7.244 | 49  | 82386  | 65.015  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 7.262 | 42  | 99121  | 268.209 | ug/l   | 99  |
| 30) Chloroform               | 7.421 | 83  | 204738 | 54.780  | ug/l   | 97  |
| 31) Cyclohexane              | 7.701 | 56  | 159093 | 44.289  | ug/l   | 99  |
| 32) 1,1,1-Trichloroethane    | 7.622 | 97  | 173221 | 50.188  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 7.841 | 75  | 140911 | 48.693  | ug/l   | 99  |
| 37) Ethyl Acetate            | 6.988 | 43  | 68879  | 50.601  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 155919 | 48.699  | ug/l   | 98  |
| 39) Methylcyclohexane        | 9.109 | 83  | 165792 | 43.957  | ug/l   | 95  |
| 40) Benzene                  | 8.079 | 78  | 429017 | 50.578  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122024\  
 Data File : VY020682.D  
 Acq On : 20 Dec 2024 19:35  
 Operator : SY/MD  
 Sample : VSTDC0050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Dec 20 22:04:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 18 05:27:13 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 35040    | 48.692   | ug/l # | 91       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 116059   | 51.589   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 132653   | 51.476   | ug/l # | 87       |
| 44) Trichloroethene           | 8.866  | 130  | 104350   | 50.065   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 102993   | 51.953   | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 55249    | 52.734   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.420  | 83   | 148983   | 52.643   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 64336    | 52.516   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 12848    | 1069.318 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 347100   | 255.175  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 269709   | 51.164   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 137082   | 51.983   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 161185   | 51.582   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 72252    | 52.160   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 106862   | 53.177   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 129720   | 52.533   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 269274   | 318.460  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 232450   | 266.163  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.908 | 129  | 98561    | 53.204   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 67268    | 52.208   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 90723    | 47.125   | ug/l   | 94       |
| 65) Chlorobenzene             | 11.444 | 112  | 288406   | 50.396   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 100036   | 51.120   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 520329   | 49.283   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 386215   | 98.385   | ug/l   | 99       |
| 69) o-Xylene                  | 11.957 | 106  | 182369   | 49.791   | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 308084   | 50.345   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 57006    | 51.813   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 488221   | 47.402   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 119742   | 49.676   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 85524    | 51.155   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 110281   | 89.947   | ug/l # | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 111242   | 49.582   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 585185   | 47.158   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 337195   | 48.298   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 398582   | 47.693   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 29107    | 49.831   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.780 | 91   | 346496   | 47.838   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 356447   | 47.095   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 393582   | 48.012   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 510662   | 46.404   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 429462   | 47.333   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 212764   | 48.040   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 210538   | 47.998   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.621 | 91   | 403246   | 46.895   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.883 | 117  | 86293    | 47.992   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 187168   | 48.776   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.279 | 75   | 12831    | 47.271   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.925 | 180  | 111082   | 47.858   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.029 | 225  | 73289    | 48.301   | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 201284   | 50.583   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 95931    | 48.917   | ug/l   | 99       |

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Data File : VY020682.D  
Acq On : 20 Dec 2024 19:35  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

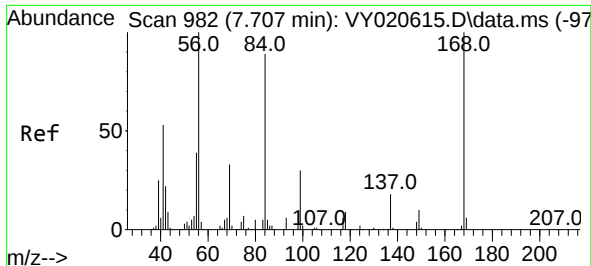
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Dec 20 22:04:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y121724S.M  
Quant Title : SW846 8260  
QLast Update : Wed Dec 18 05:27:13 2024  
Response via : Initial Calibration

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

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

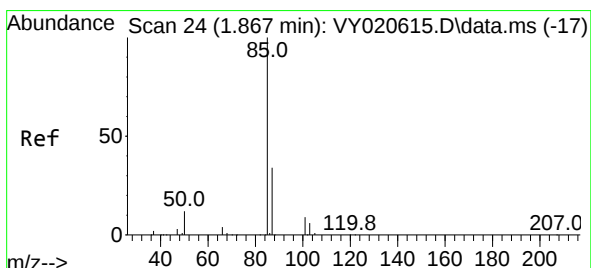
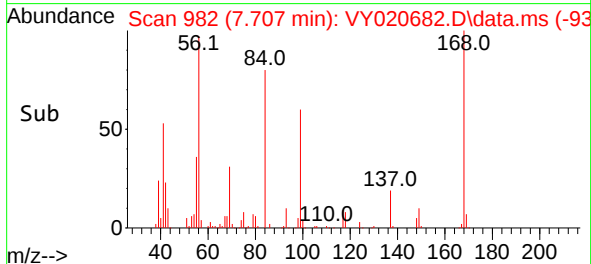
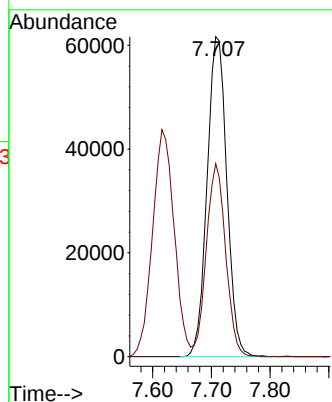
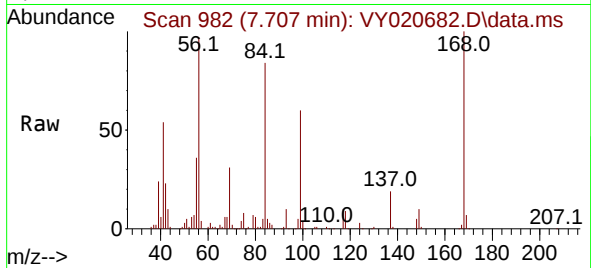




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

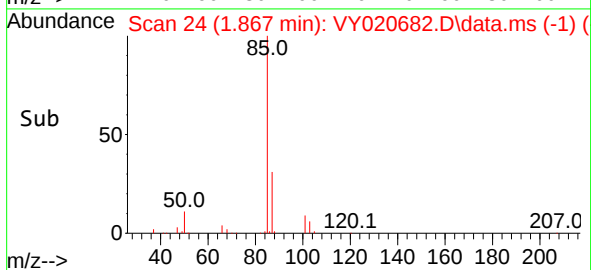
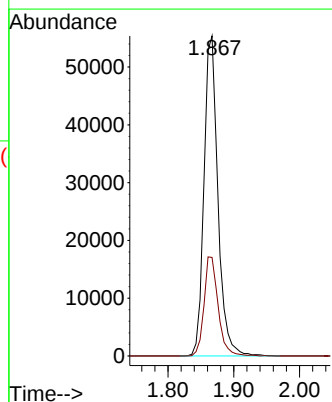
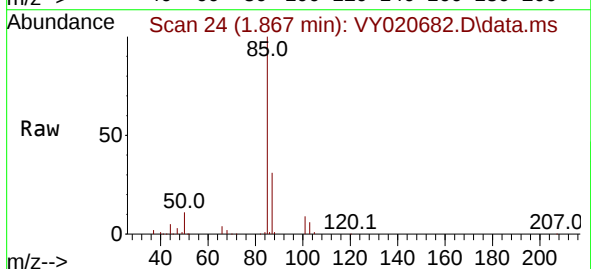
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

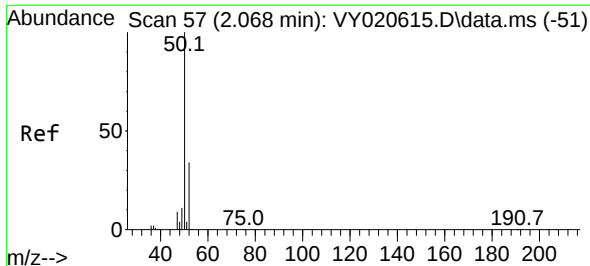
Tgt Ion:168 Resp: 143833  
Ion Ratio Lower Upper  
168 100  
99 60.3 47.0 70.6



#2  
Dichlorodifluoromethane  
Concen: 45.502 ug/l  
RT: 1.867 min Scan# 24  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 85 Resp: 81747  
Ion Ratio Lower Upper  
85 100  
87 30.8 16.8 50.3

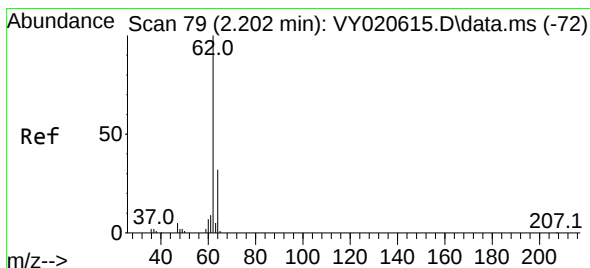
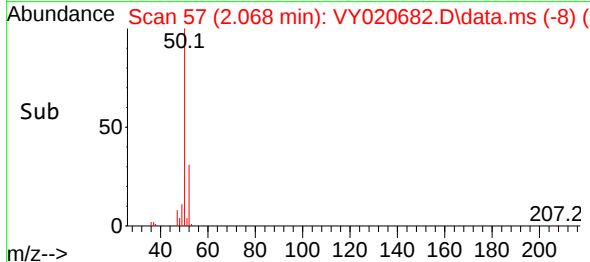
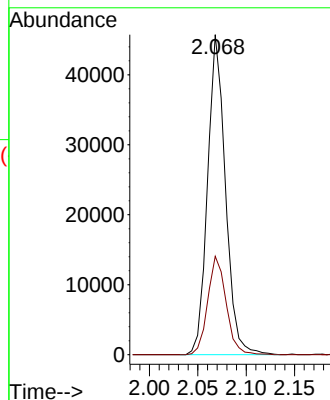
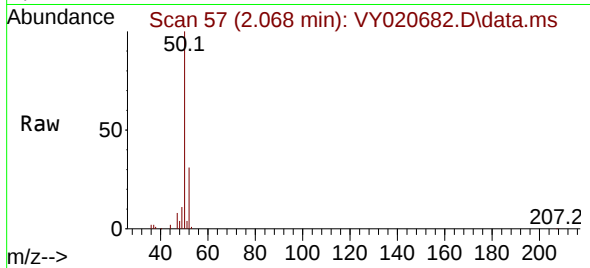




#3  
Chloromethane  
Concen: 44.285 ug/l  
RT: 2.068 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

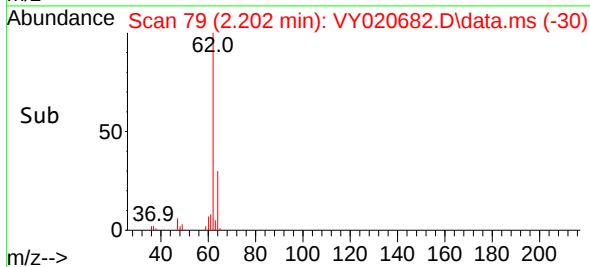
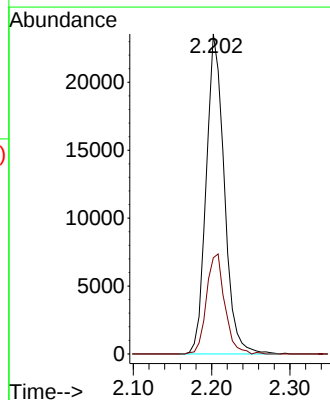
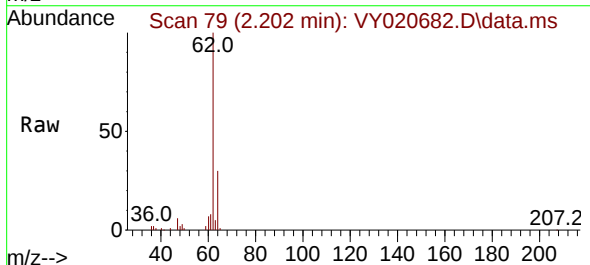
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

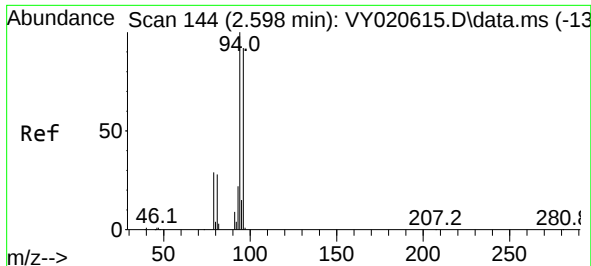
Tgt Ion: 50 Resp: 58949  
Ion Ratio Lower Upper  
50 100  
52 30.8 26.8 40.2



#4  
Vinyl Chloride  
Concen: 30.430 ug/l  
RT: 2.202 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 62 Resp: 37701  
Ion Ratio Lower Upper  
62 100  
64 30.1 25.3 37.9

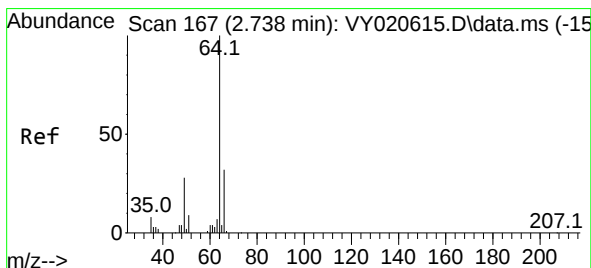
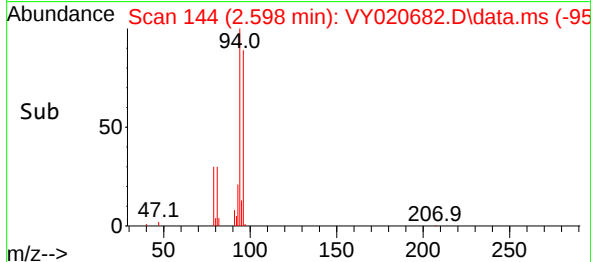
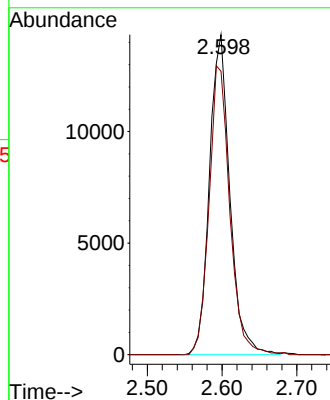
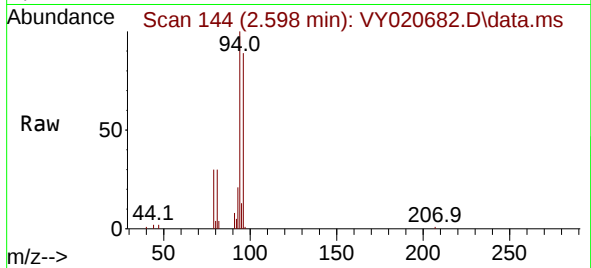




#5  
Bromomethane  
Concen: 34.241 ug/l  
RT: 2.598 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

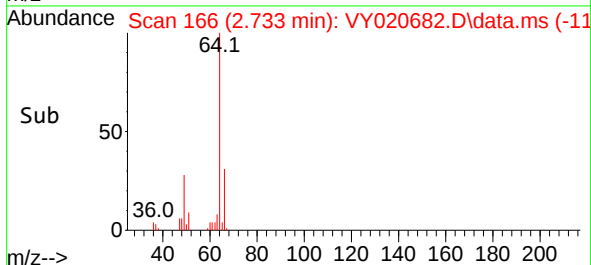
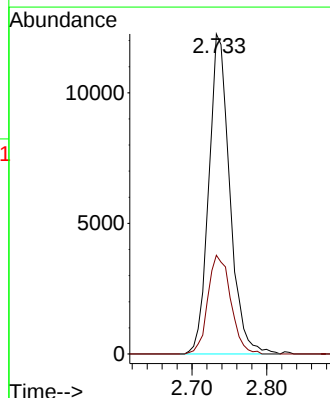
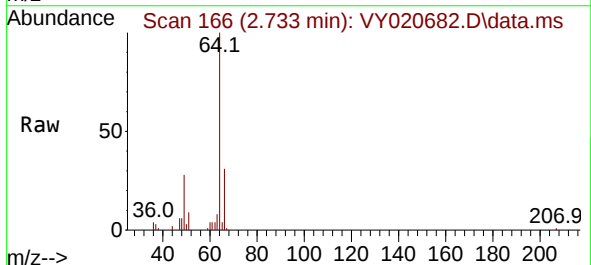
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

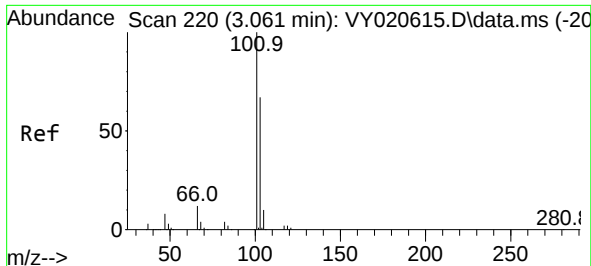
Tgt Ion: 94 Resp: 27270  
Ion Ratio Lower Upper  
94 100  
96 88.6 73.8 110.6



#6  
Chloroethane  
Concen: 31.154 ug/l  
RT: 2.733 min Scan# 166  
Delta R.T. -0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 64 Resp: 23852  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.8 38.6

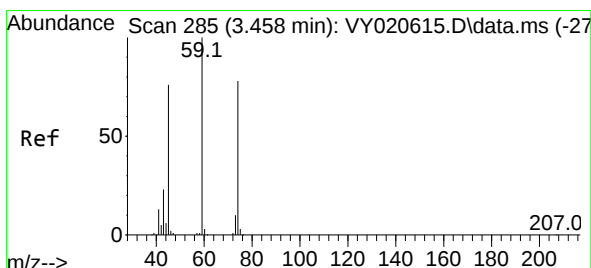
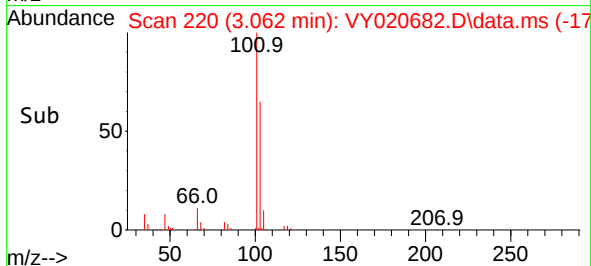
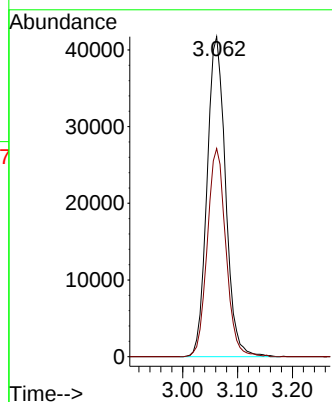
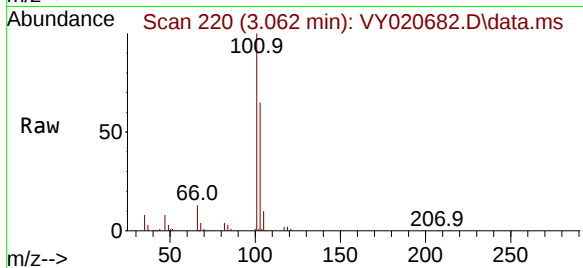




#7  
Trichlorofluoromethane  
Concen: 37.582 ug/l  
RT: 3.062 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

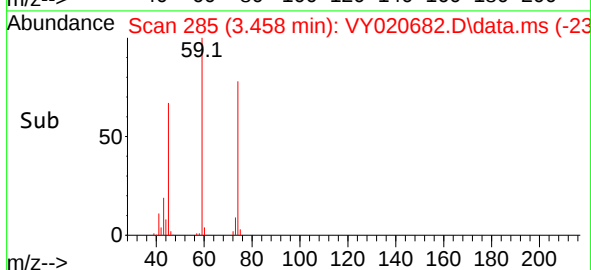
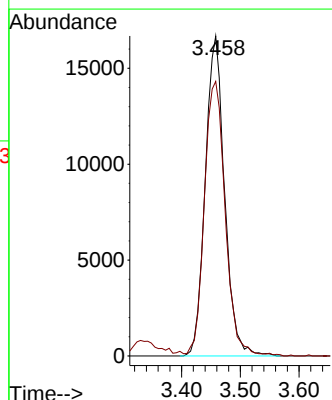
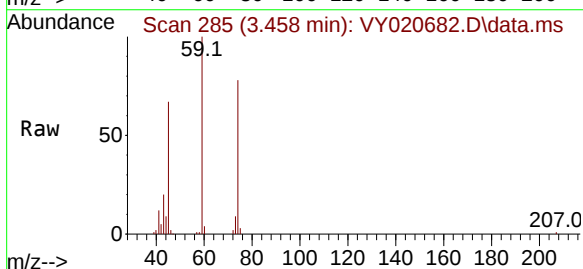
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

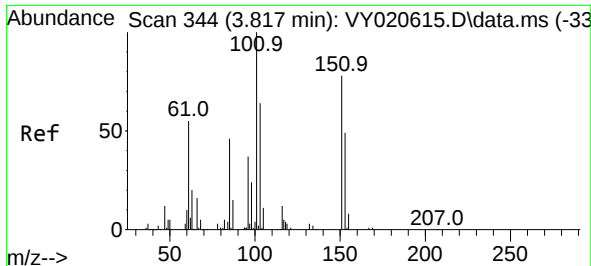
Tgt Ion:101 Resp: 97429  
Ion Ratio Lower Upper  
101 100  
103 65.0 53.4 80.0



#8  
Diethyl Ether  
Concen: 41.896 ug/l  
RT: 3.458 min Scan# 285  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 74 Resp: 38091  
Ion Ratio Lower Upper  
74 100  
45 93.0 49.0 147.2

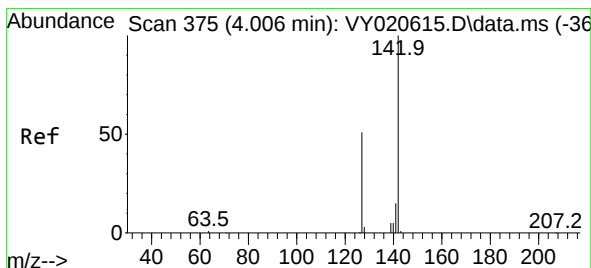
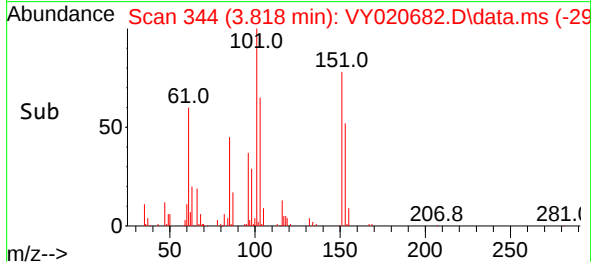
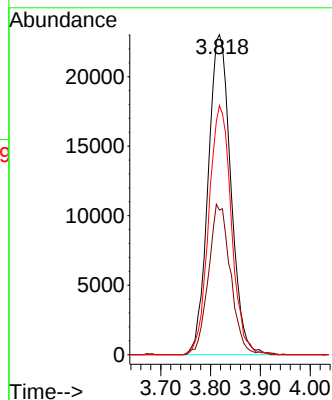
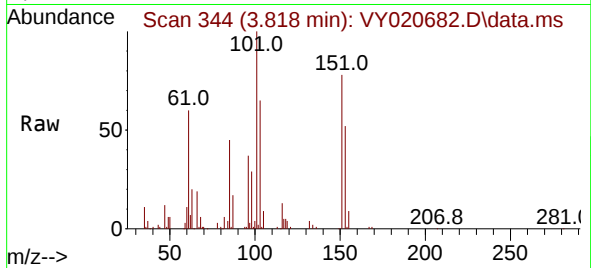




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 39.189 ug/l  
RT: 3.818 min Scan# 344  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

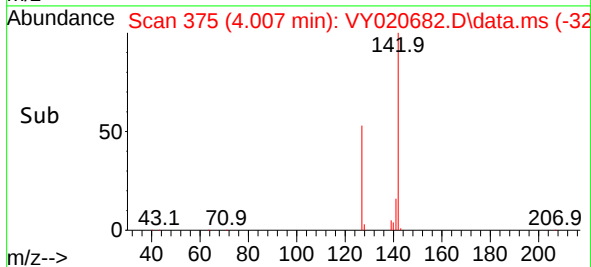
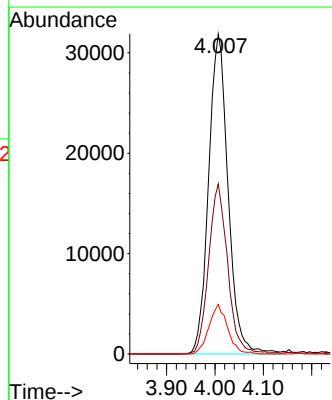
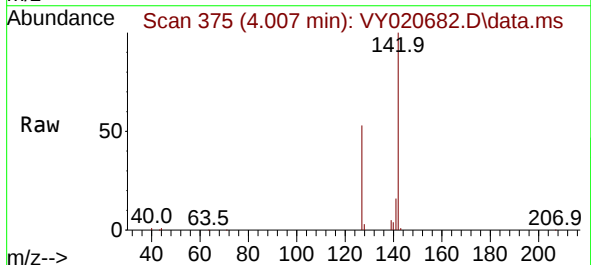
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

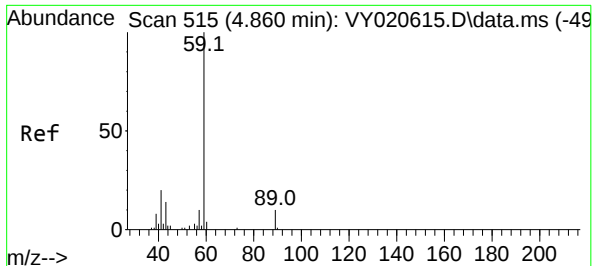
Tgt Ion:101 Resp: 72820  
Ion Ratio Lower Upper  
101 100  
85 45.8 36.6 54.8  
151 77.5 61.5 92.3



#10  
Methyl Iodide  
Concen: 43.050 ug/l  
RT: 4.007 min Scan# 375  
Delta R.T. 0.001 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:142 Resp: 89063  
Ion Ratio Lower Upper  
142 100  
127 51.8 40.6 61.0  
141 14.8 11.7 17.5

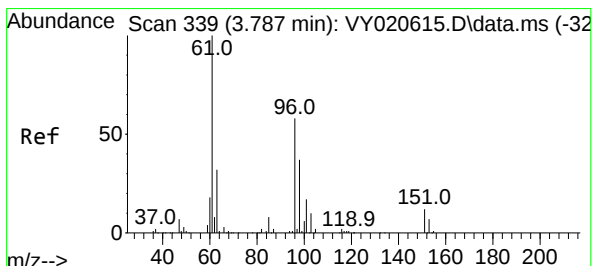
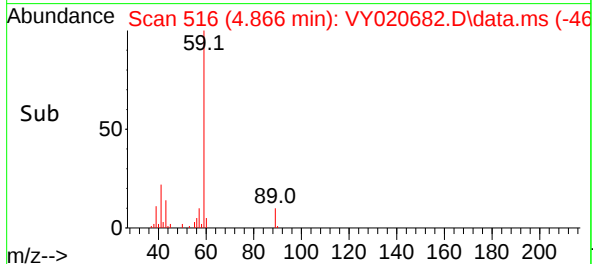
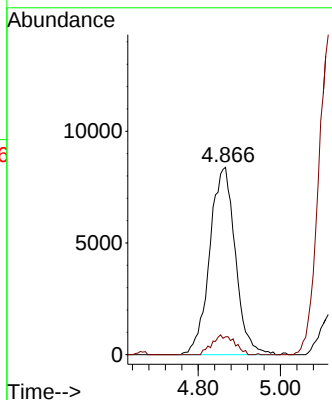
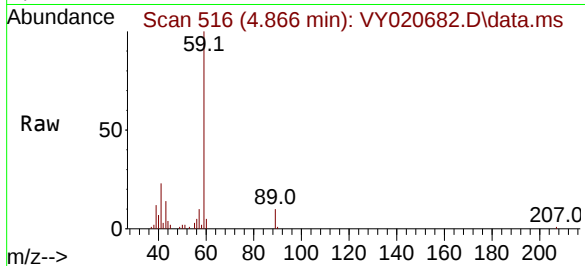




#11  
Tert butyl alcohol  
Concen: 213.879 ug/l  
RT: 4.866 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

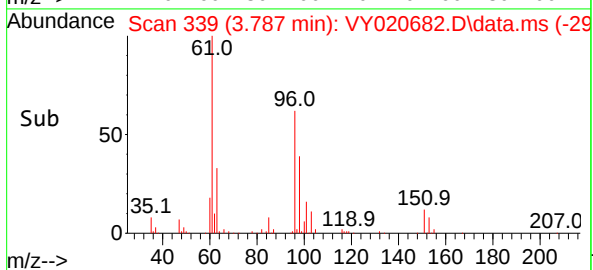
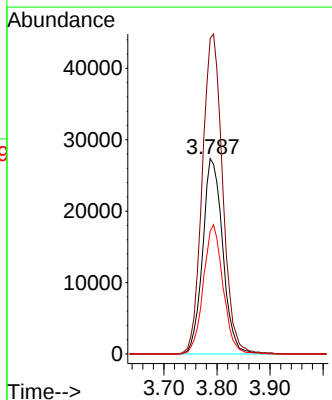
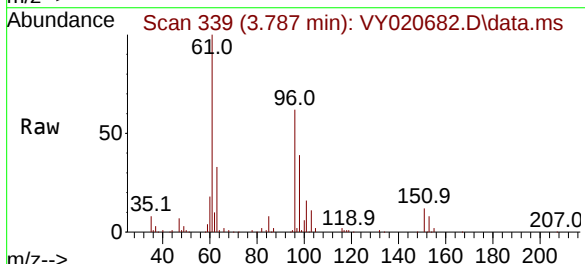
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

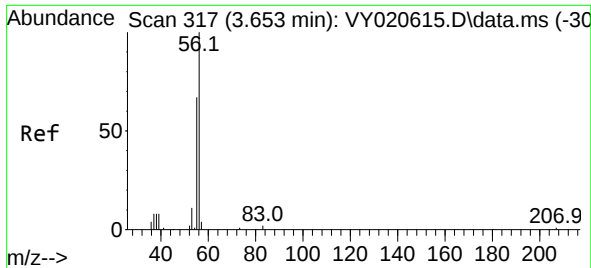
Tgt Ion: 59 Resp: 36300  
Ion Ratio Lower Upper  
59 100  
57 9.2 7.4 11.0



#12  
1,1-Dichloroethene  
Concen: 39.896 ug/l  
RT: 3.787 min Scan# 339  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 96 Resp: 71932  
Ion Ratio Lower Upper  
96 100  
61 161.5 136.9 205.3  
98 63.0 50.2 75.4

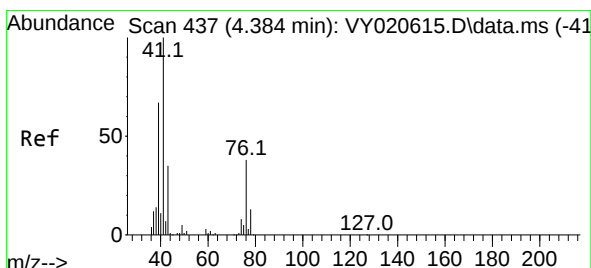
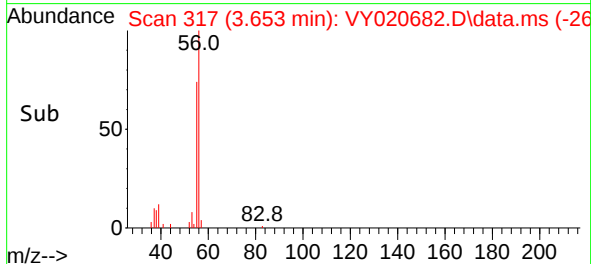
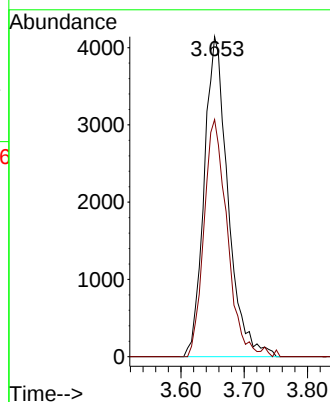
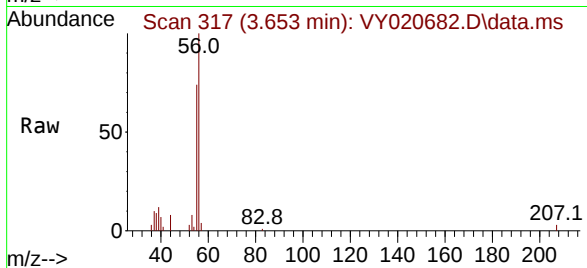




#13  
Acrolein  
Concen: 145.691 ug/l  
RT: 3.653 min Scan# 317  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

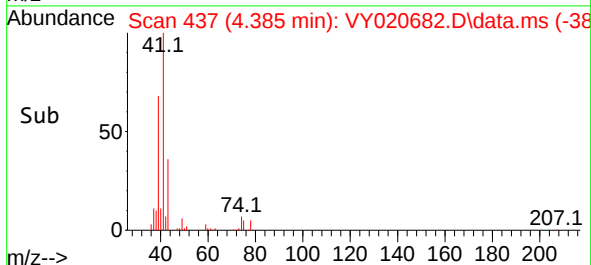
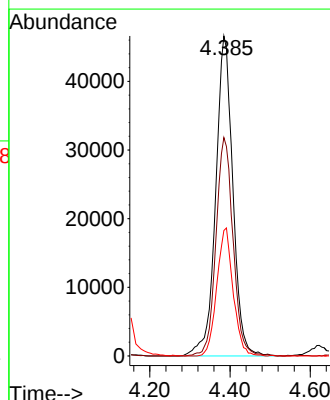
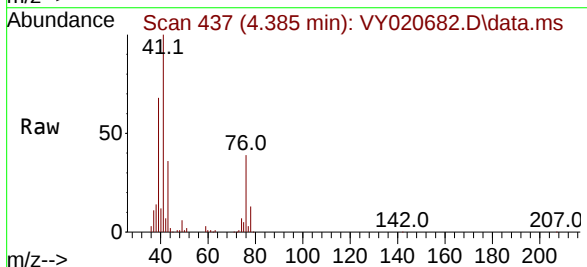
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

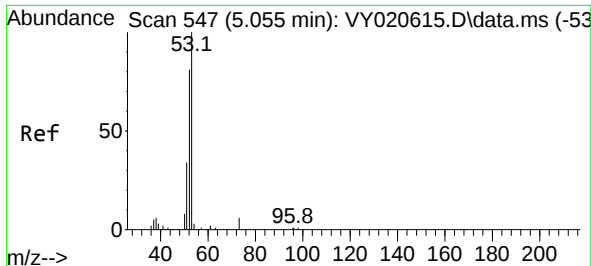
Tgt Ion: 56 Resp: 10852  
Ion Ratio Lower Upper  
56 100  
55 71.7 57.5 86.3



#14  
Allyl chloride  
Concen: 43.827 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 138460  
Ion Ratio Lower Upper  
41 100  
39 68.0 53.0 79.4  
76 38.0 29.5 44.3

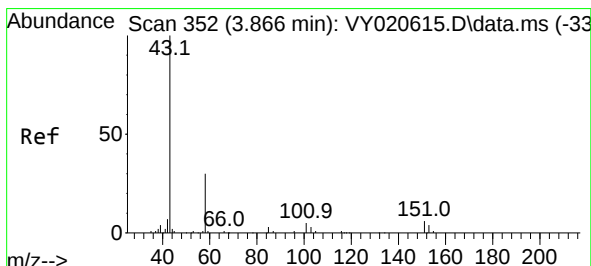
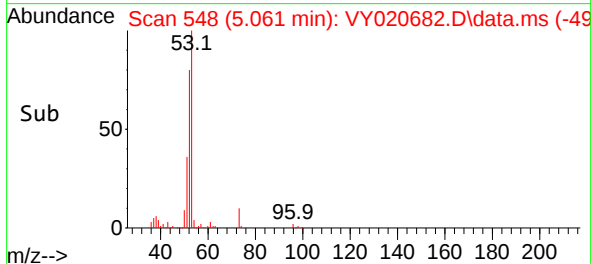
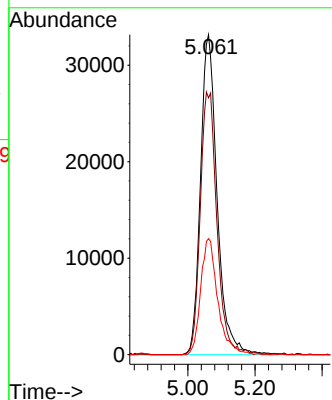
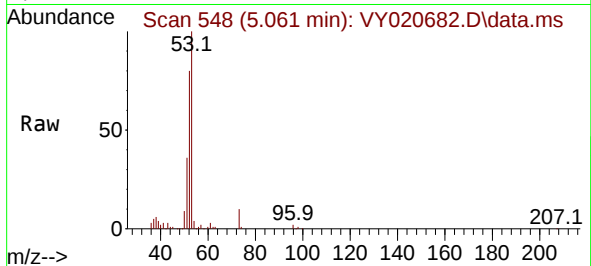




#15  
Acrylonitrile  
Concen: 262.307 ug/l  
RT: 5.061 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

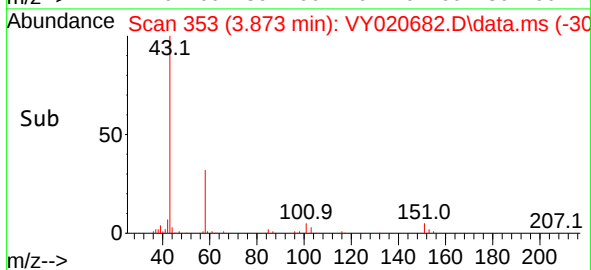
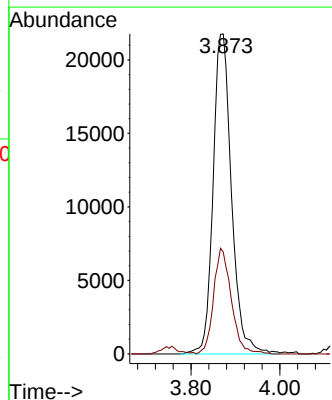
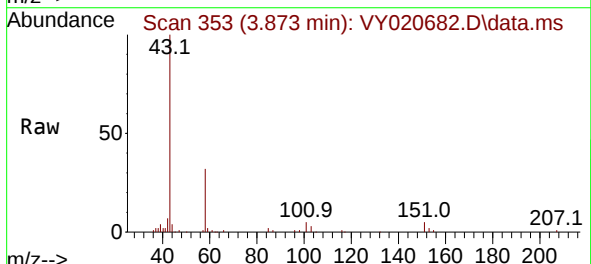
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

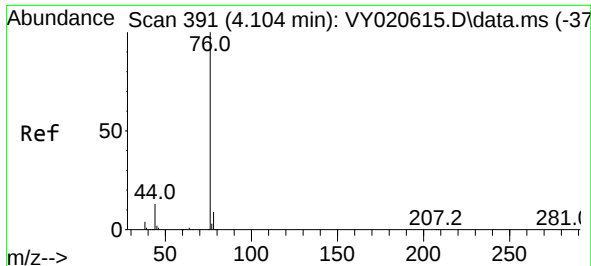
Tgt Ion: 53 Resp: 114092  
Ion Ratio Lower Upper  
53 100  
52 82.5 64.5 96.7  
51 37.2 29.4 44.0



#16  
Acetone  
Concen: 198.675 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.007 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 62589  
Ion Ratio Lower Upper  
43 100  
58 31.8 25.0 37.6

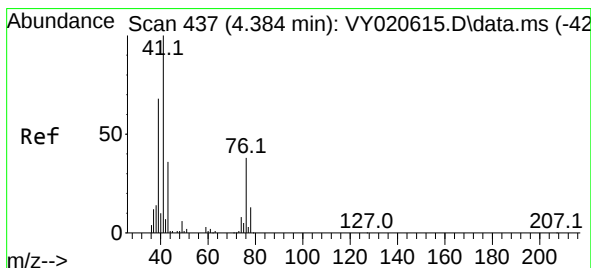
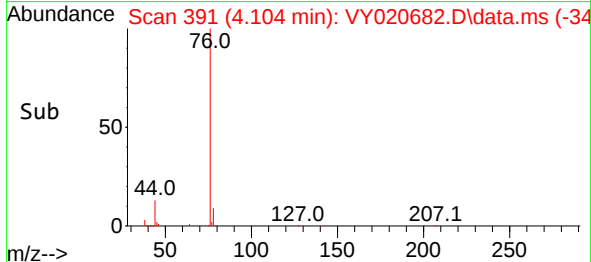
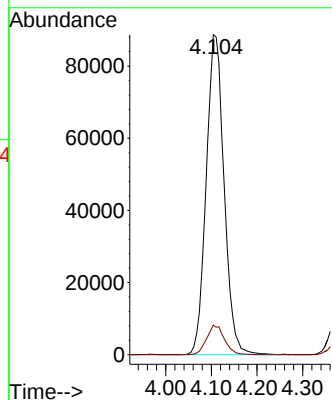
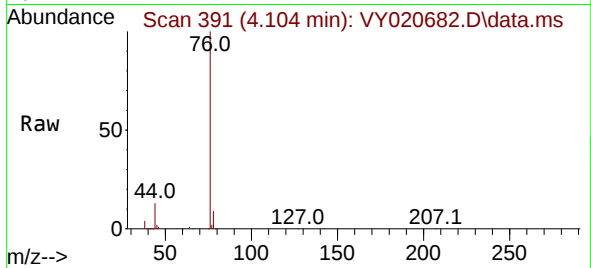




#17  
Carbon Disulfide  
Concen: 41.052 ug/l  
RT: 4.104 min Scan# 391  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

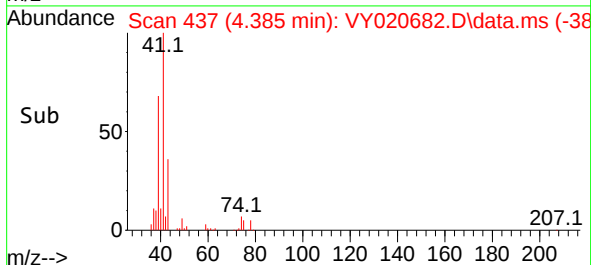
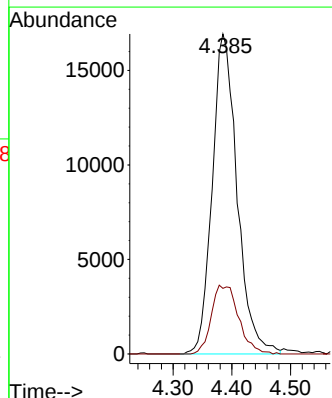
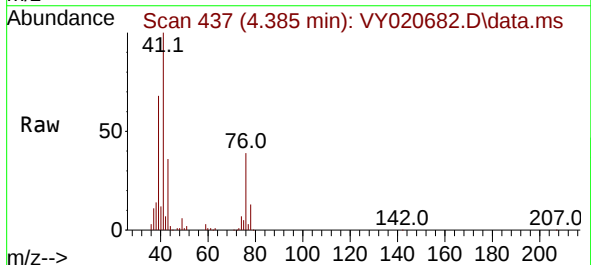
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

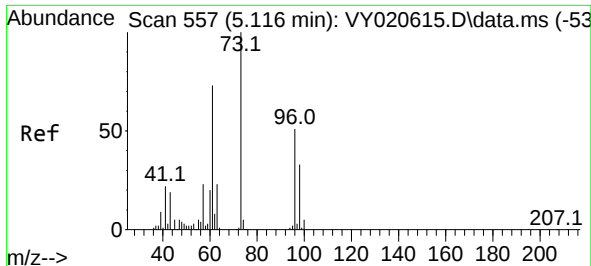
Tgt Ion: 76 Resp: 240927  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.2 10.8



#18  
Methyl Acetate  
Concen: 46.480 ug/l  
RT: 4.385 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 49816  
Ion Ratio Lower Upper  
43 100  
74 23.4 19.2 28.8

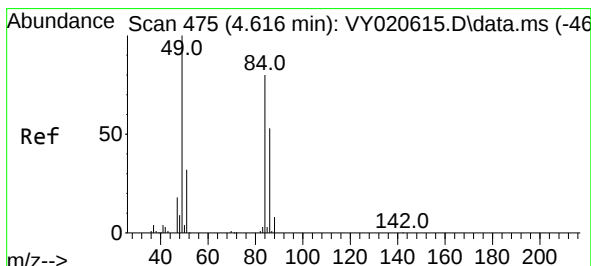
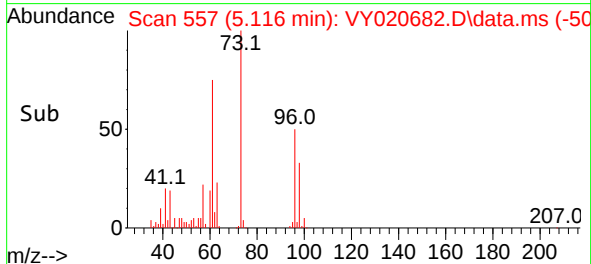
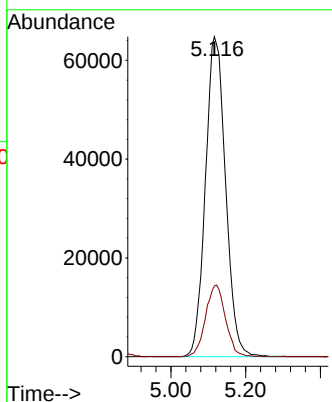
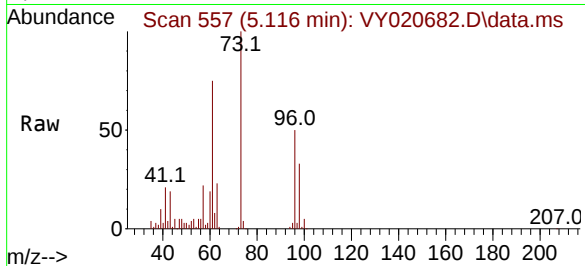




#19  
Methyl tert-butyl Ether  
Concen: 52.095 ug/l  
RT: 5.116 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

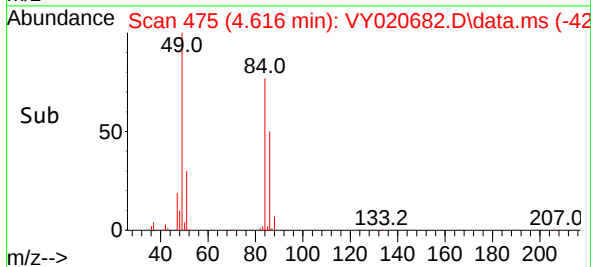
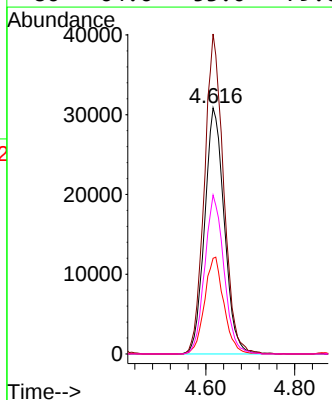
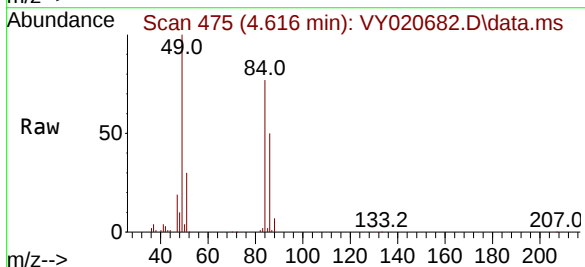
Instrument :  
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ClientSampleId :  
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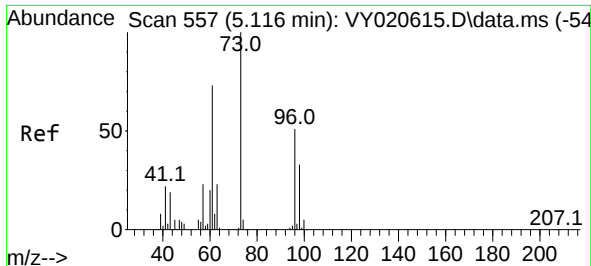
Tgt Ion: 73 Resp: 242425  
Ion Ratio Lower Upper  
73 100  
57 22.1 18.5 27.7



#20  
Methylene Chloride  
Concen: 48.394 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 84 Resp: 94785  
Ion Ratio Lower Upper  
84 100  
49 130.0 100.7 151.1  
51 38.9 32.2 48.2  
86 64.6 53.0 79.6

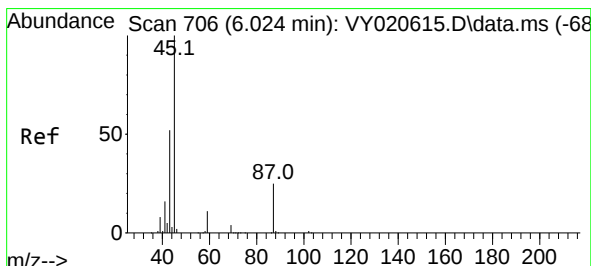
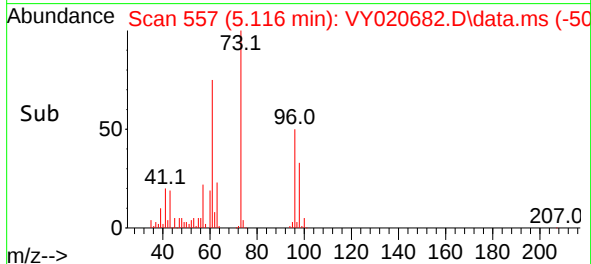
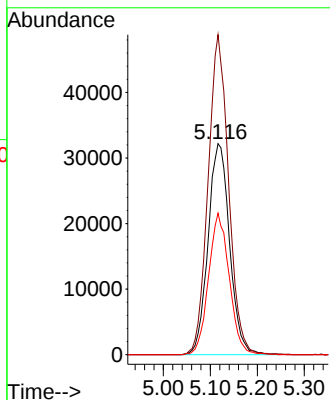
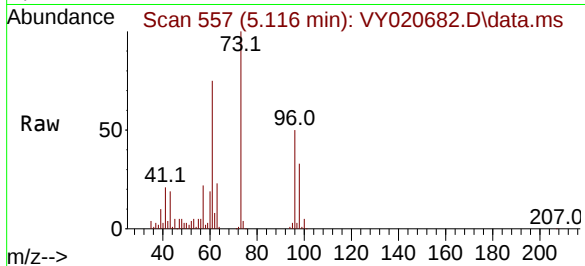




#21  
trans-1,2-Dichloroethene  
Concen: 50.685 ug/l  
RT: 5.116 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

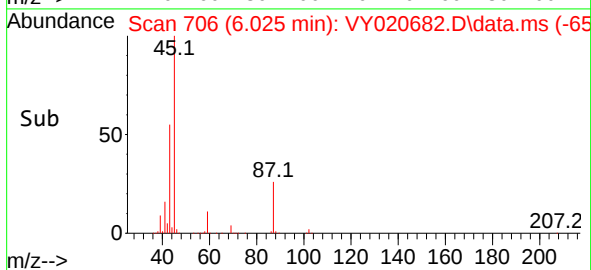
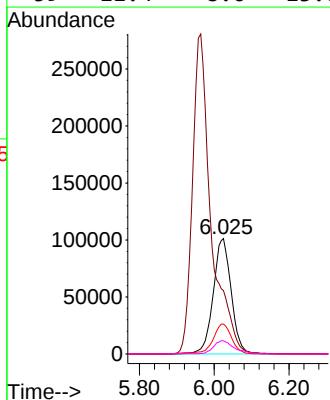
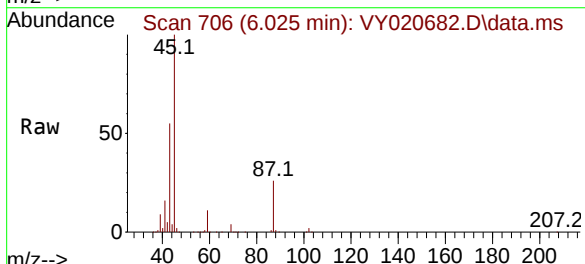
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

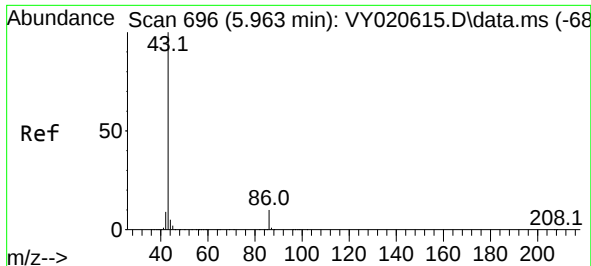
Tgt Ion: 96 Resp: 102508  
Ion Ratio Lower Upper  
96 100  
61 151.6 113.7 170.5  
98 67.0 51.7 77.5



#22  
Diisopropyl ether  
Concen: 52.616 ug/l  
RT: 6.025 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 45 Resp: 337414  
Ion Ratio Lower Upper  
45 100  
43 54.5 42.6 64.0  
87 25.9 20.6 31.0  
59 11.4 8.6 13.0

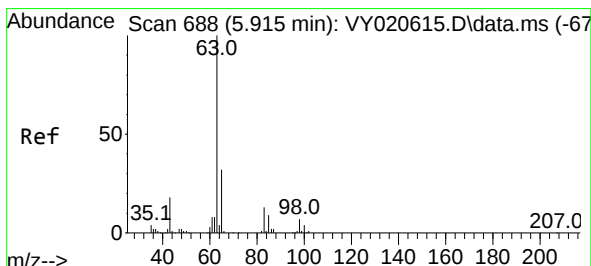
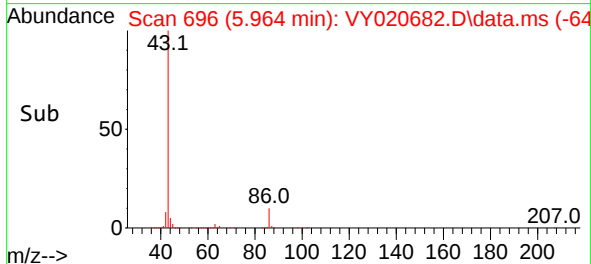
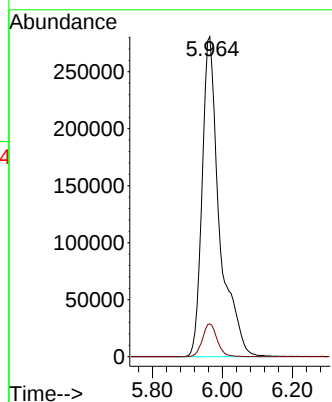
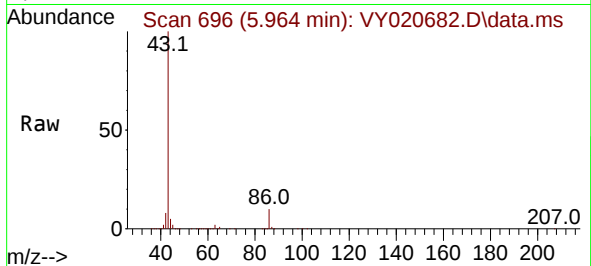




#23  
 Vinyl Acetate  
 Concen: 266.302 ug/l  
 RT: 5.964 min Scan# 696  
 Delta R.T. 0.000 min  
 Lab File: VY020682.D  
 Acq: 20 Dec 2024 19:35

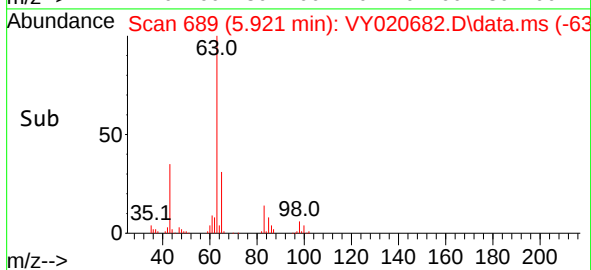
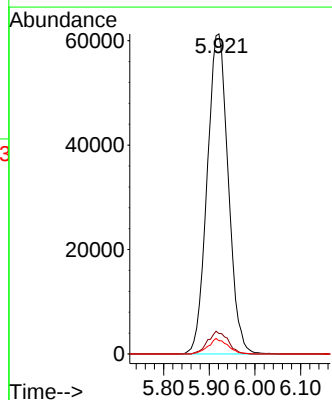
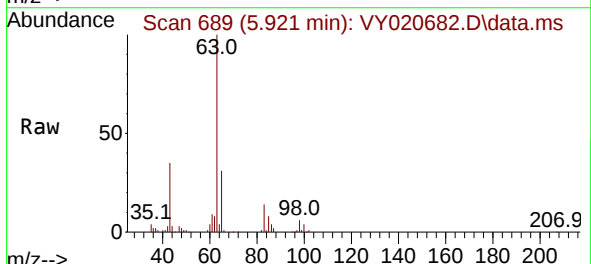
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

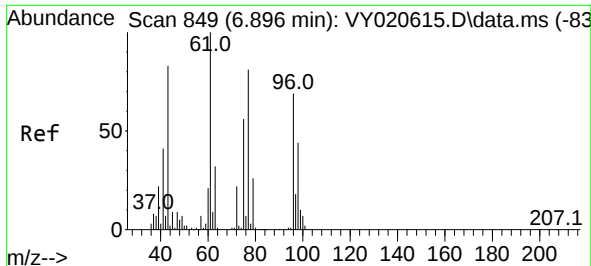
Tgt Ion: 43 Resp: 967217  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.1 12.1



#24  
 1,1-Dichloroethane  
 Concen: 52.280 ug/l  
 RT: 5.921 min Scan# 689  
 Delta R.T. 0.006 min  
 Lab File: VY020682.D  
 Acq: 20 Dec 2024 19:35

Tgt Ion: 63 Resp: 196407  
 Ion Ratio Lower Upper  
 63 100  
 98 6.4 3.4 10.1  
 100 4.2 2.1 6.5

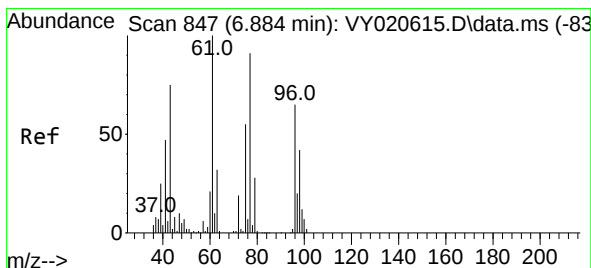
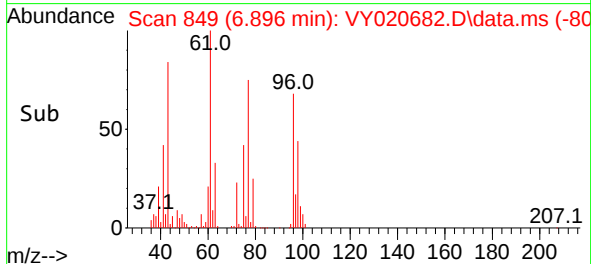
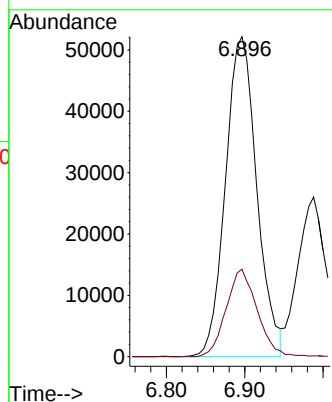
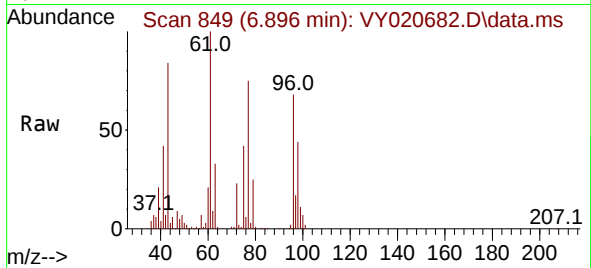




#25  
2-Butanone  
Concen: 247.823 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

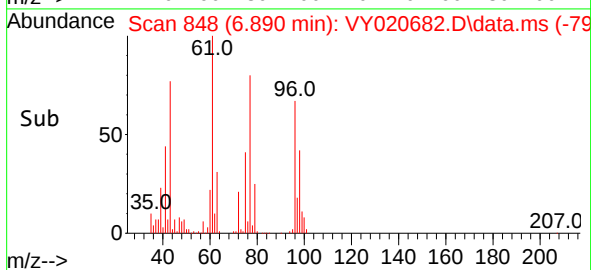
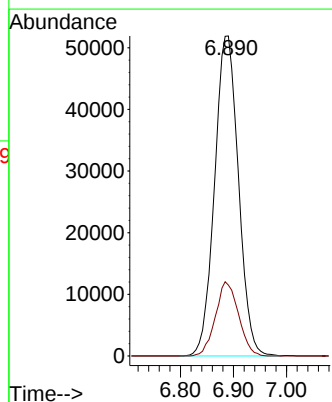
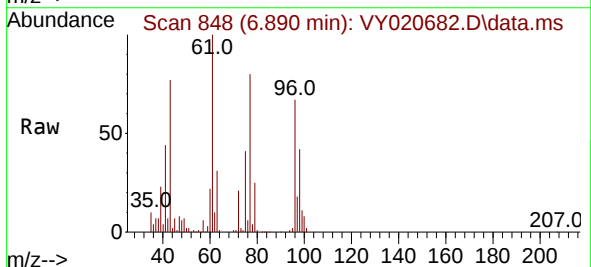
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

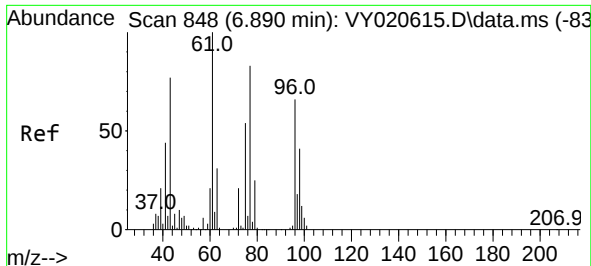
Tgt Ion: 43 Resp: 145082  
Ion Ratio Lower Upper  
43 100  
72 27.4 20.6 31.0



#26  
2,2-Dichloropropane  
Concen: 45.653 ug/l  
RT: 6.890 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 77 Resp: 162135  
Ion Ratio Lower Upper  
77 100  
97 22.4 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.699 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

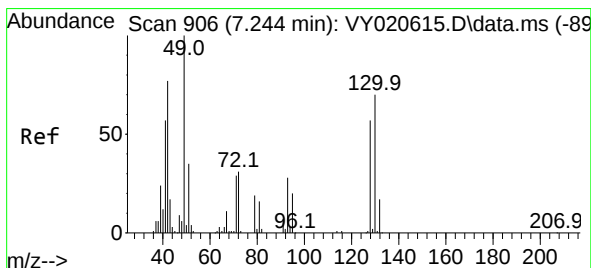
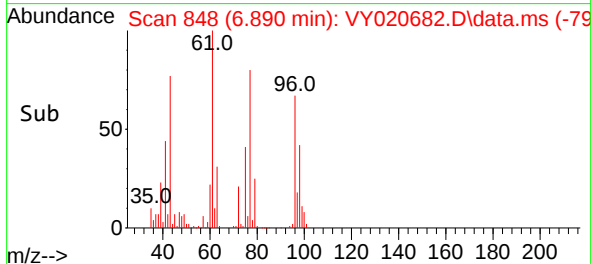
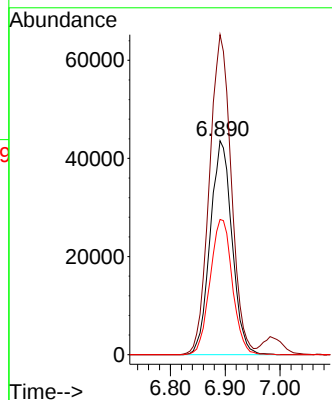
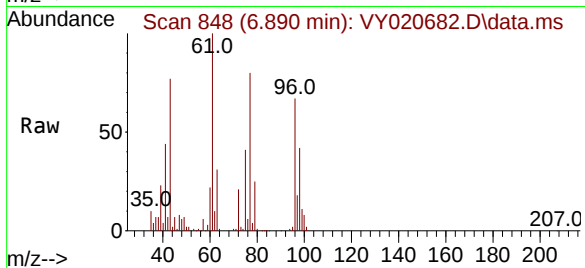
Tgt Ion: 96 Resp: 120298

Ion Ratio Lower Upper

96 100

61 149.9 0.0 306.2

98 64.6 0.0 127.2



#28

Bromochloromethane

Concen: 65.015 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

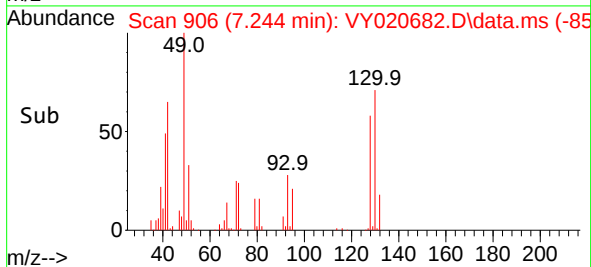
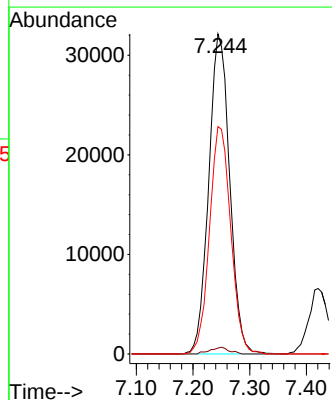
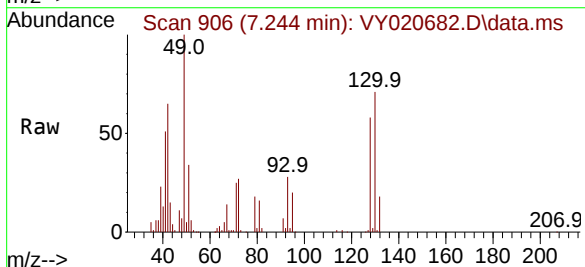
Tgt Ion: 49 Resp: 82386

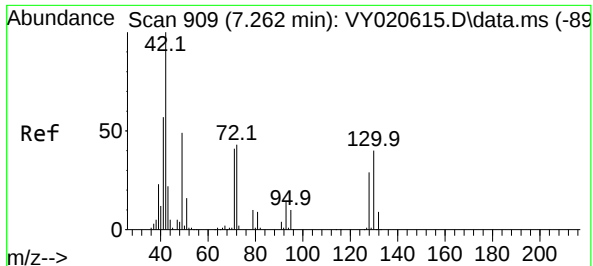
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

130 72.1 58.3 87.5

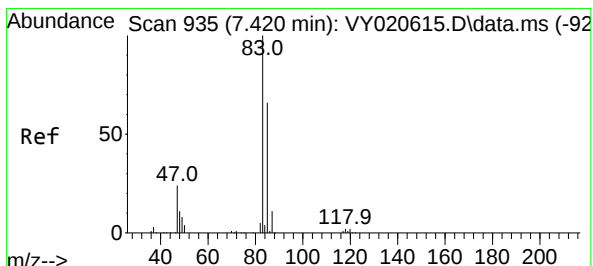
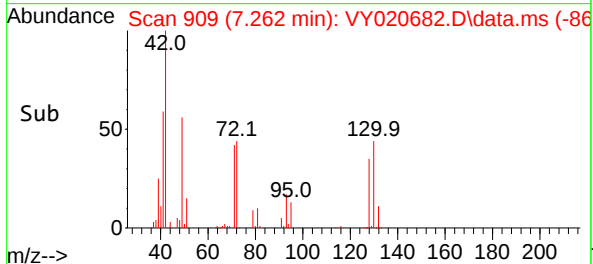
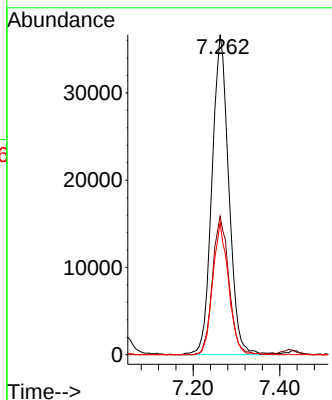
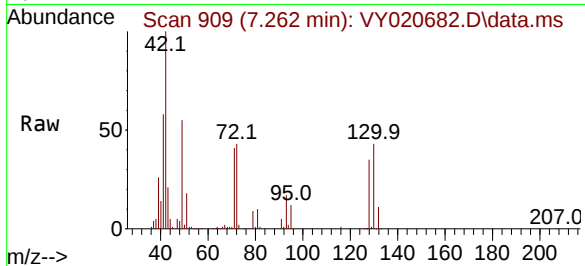




#29  
Tetrahydrofuran  
Concen: 268.209 ug/l  
RT: 7.262 min Scan# 909  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

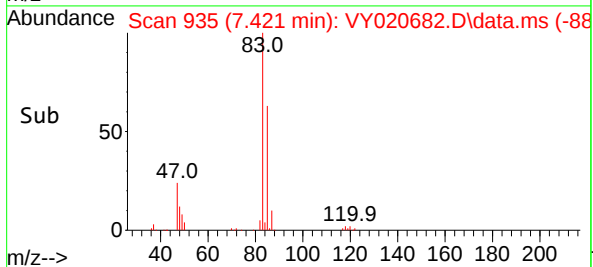
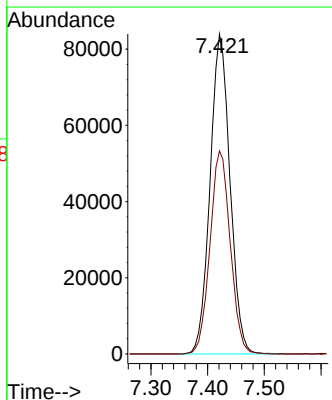
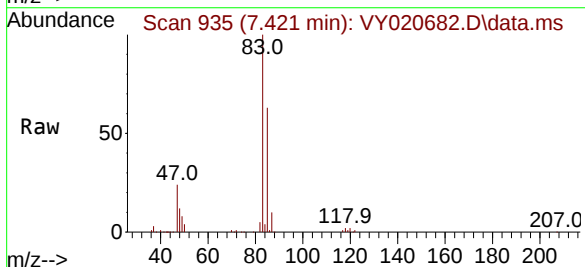
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

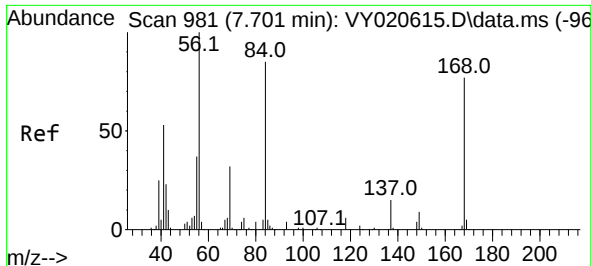
Tgt Ion: 42 Resp: 99121  
Ion Ratio Lower Upper  
42 100  
72 42.2 34.0 51.0  
71 38.9 31.6 47.4



#30  
Chloroform  
Concen: 54.780 ug/l  
RT: 7.421 min Scan# 935  
Delta R.T. 0.001 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 83 Resp: 204738  
Ion Ratio Lower Upper  
83 100  
85 63.5 52.7 79.1

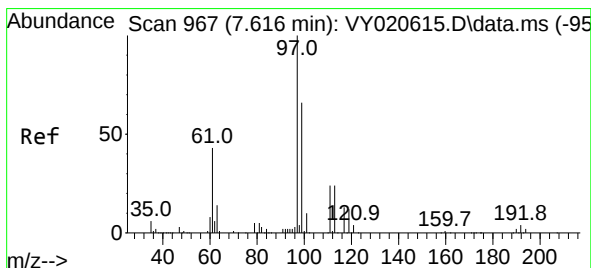
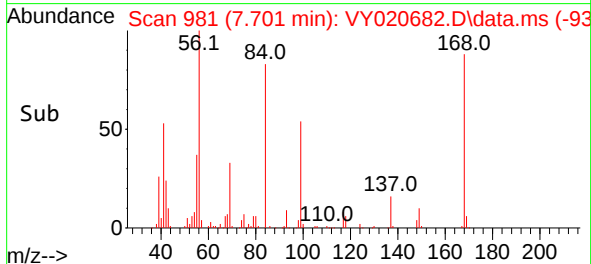
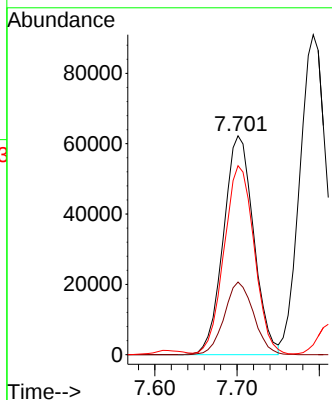
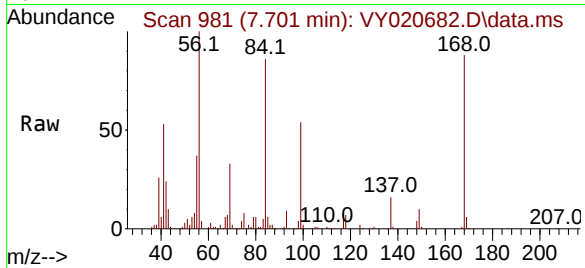




#31  
Cyclohexane  
Concen: 44.289 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

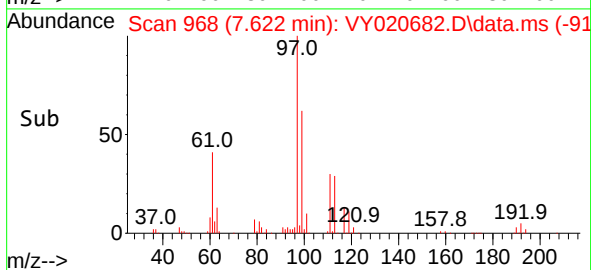
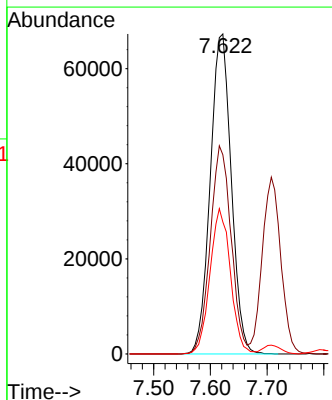
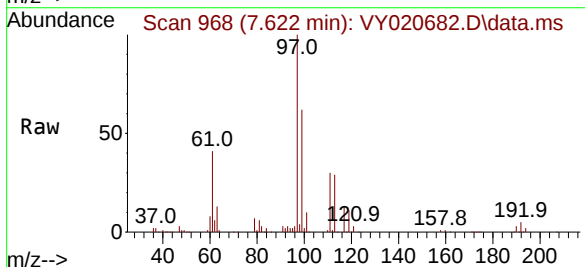
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

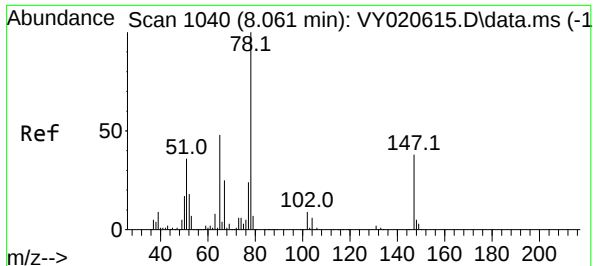
Tgt Ion: 56 Resp: 159093  
Ion Ratio Lower Upper  
56 100  
69 33.2 25.4 38.0  
84 84.8 68.3 102.5



#32  
1,1,1-Trichloroethane  
Concen: 50.188 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 97 Resp: 173221  
Ion Ratio Lower Upper  
97 100  
99 64.7 51.6 77.4  
61 44.4 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 43.111 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

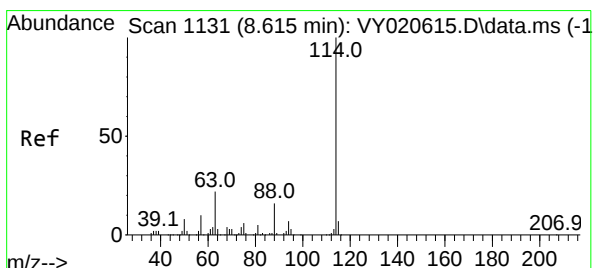
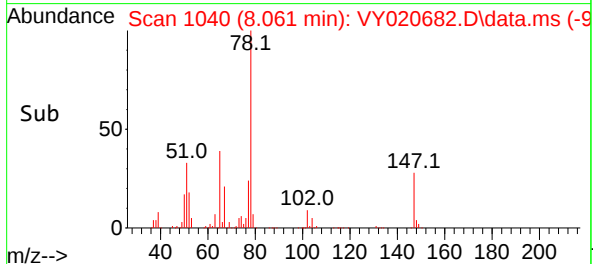
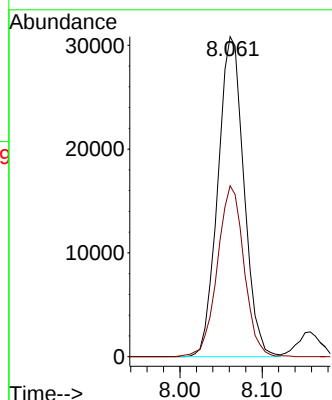
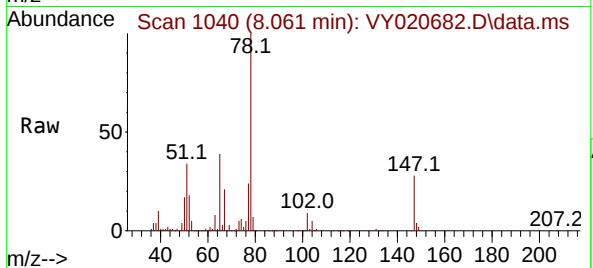
VSTDCCC050EC

Tgt Ion: 65 Resp: 67912

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

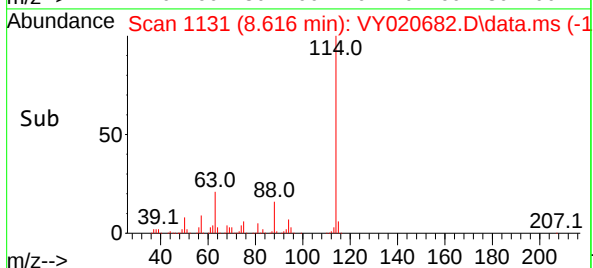
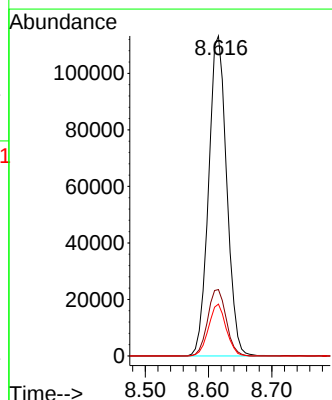
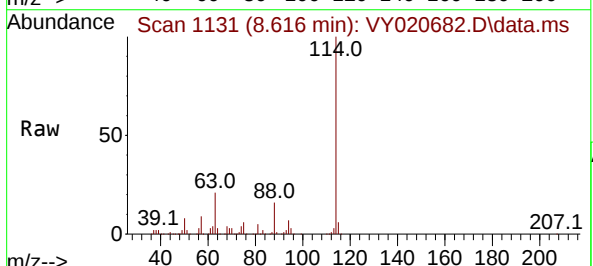
Tgt Ion: 114 Resp: 225180

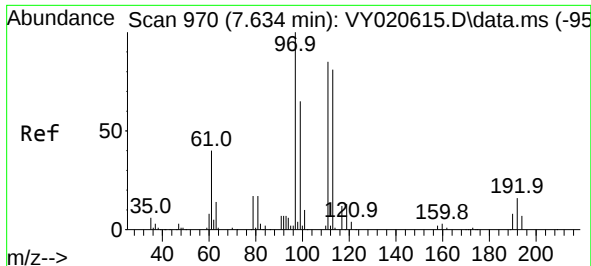
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.0

88 16.2 0.0 32.8

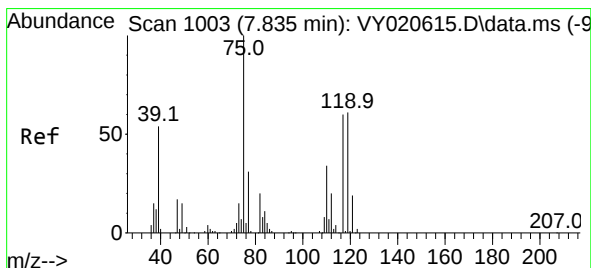
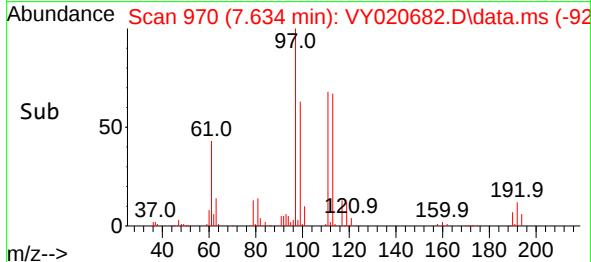
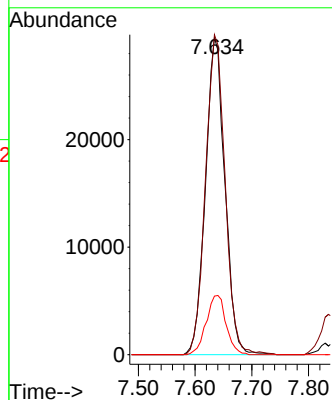
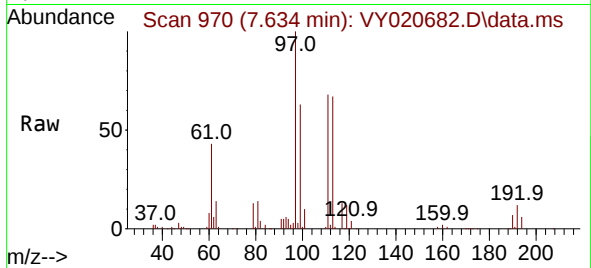




#35  
Dibromofluoromethane  
Concen: 44.159 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

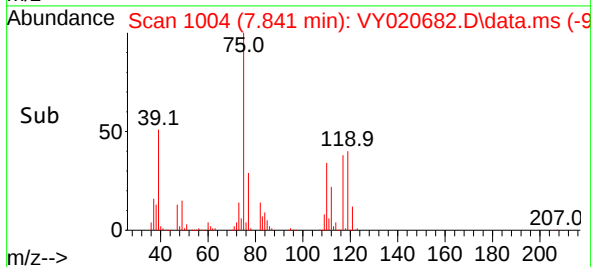
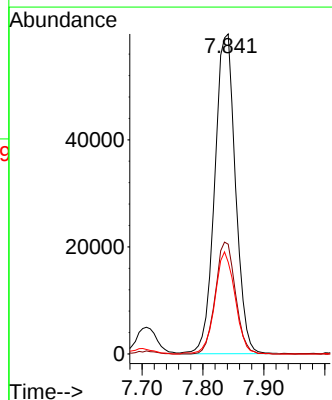
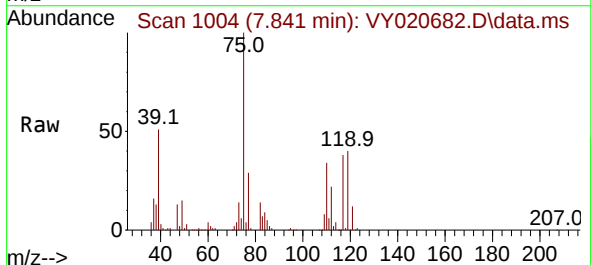
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

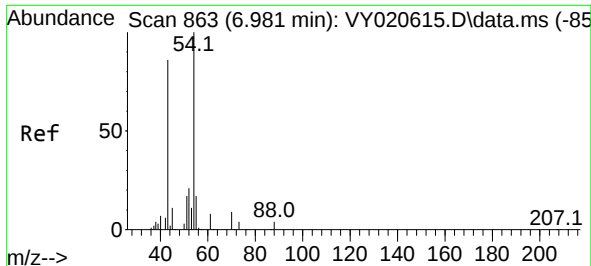
Tgt Ion:113 Resp: 70081  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.9 124.3  
192 19.1 15.7 23.5



#36  
1,1-Dichloropropene  
Concen: 48.693 ug/l  
RT: 7.841 min Scan# 1004  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 140911  
Ion Ratio Lower Upper  
75 100  
110 34.1 16.8 50.4  
77 31.2 25.0 37.6





#37

Ethyl Acetate

Concen: 50.601 ug/l

RT: 6.988 min Scan# 8

Delta R.T. 0.006 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

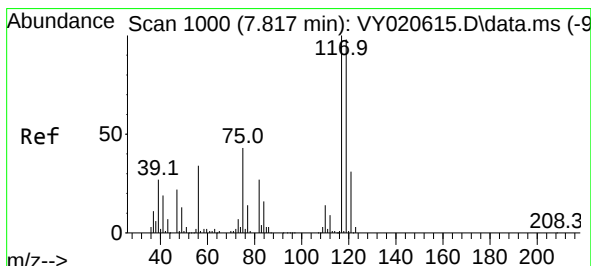
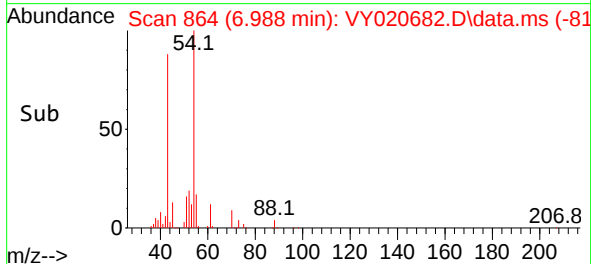
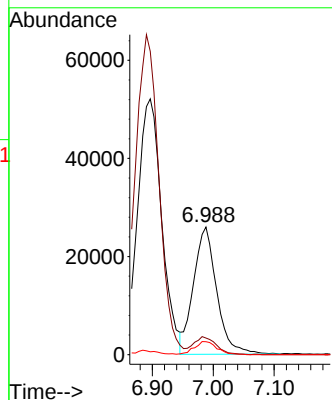
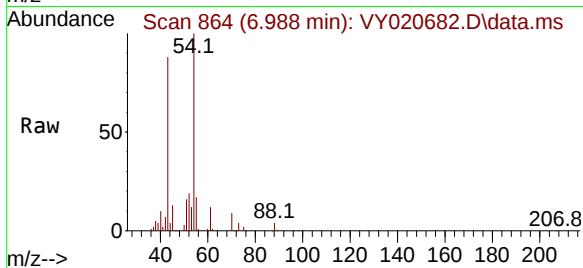
Tgt Ion: 43 Resp: 68879

Ion Ratio Lower Upper

43 100

61 14.0 11.0 16.4

70 10.0 7.9 11.9



#38

Carbon Tetrachloride

Concen: 48.699 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

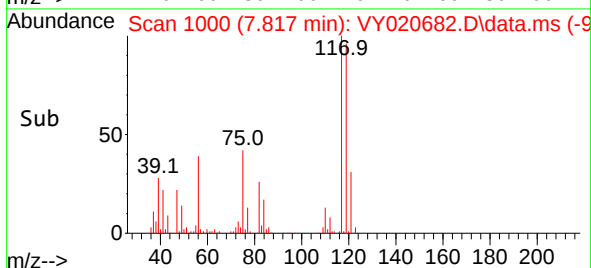
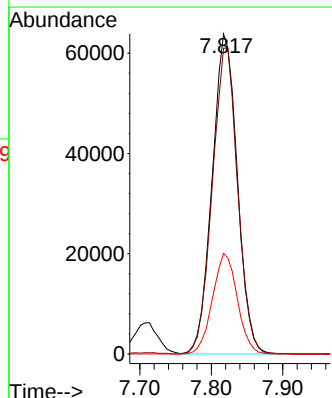
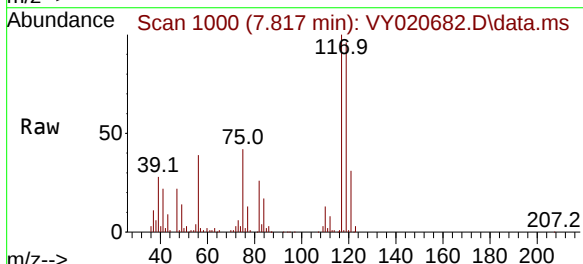
Tgt Ion: 117 Resp: 155919

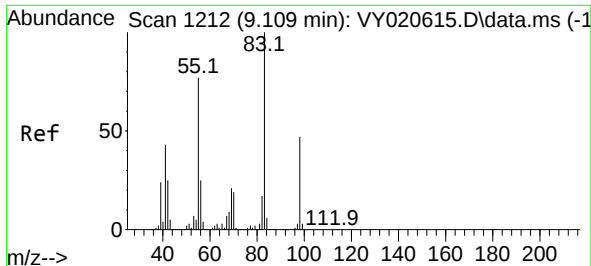
Ion Ratio Lower Upper

117 100

119 95.6 78.3 117.5

121 31.5 25.1 37.7





#39

Methylcyclohexane

Concen: 43.957 ug/l

RT: 9.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

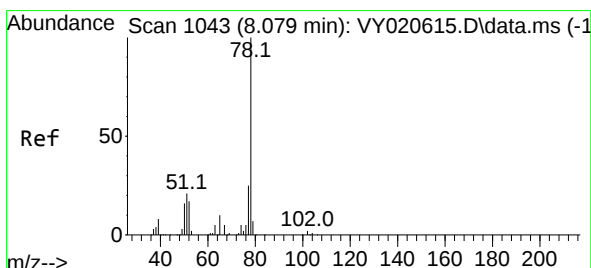
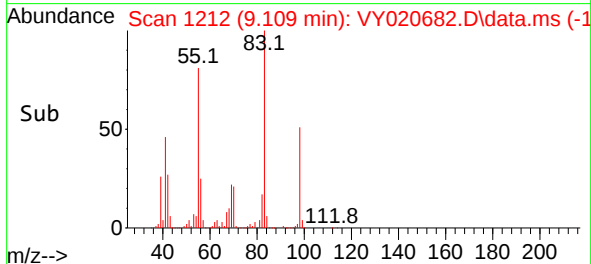
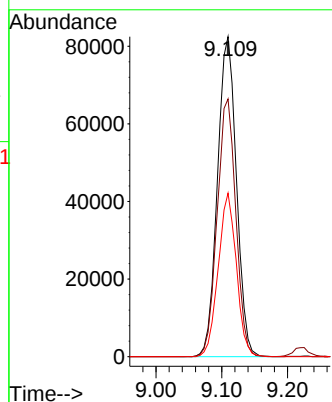
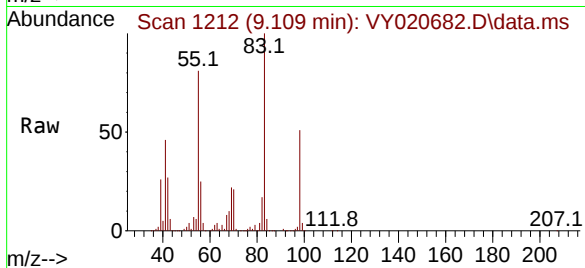
Tgt Ion: 83 Resp: 165792

Ion Ratio Lower Upper

83 100

55 80.6 61.4 92.0

98 51.1 37.3 55.9



#40

Benzene

Concen: 50.578 ug/l

RT: 8.079 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VY020682.D

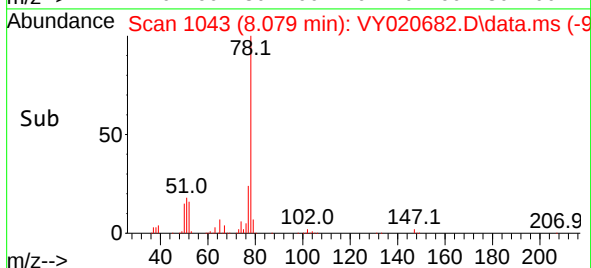
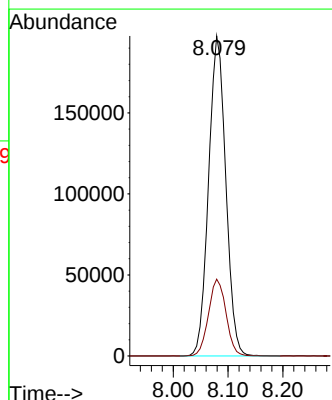
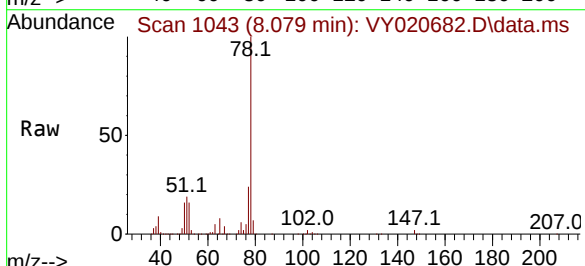
Acq: 20 Dec 2024 19:35

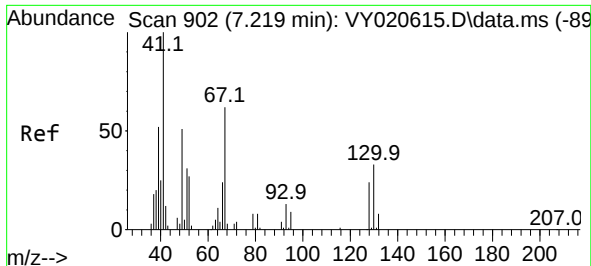
Tgt Ion: 78 Resp: 429017

Ion Ratio Lower Upper

78 100

77 24.0 20.1 30.1

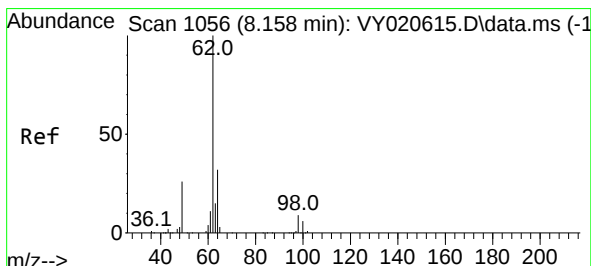
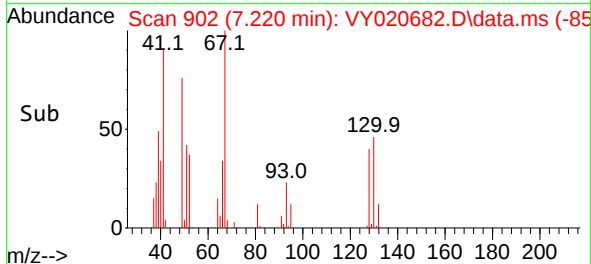
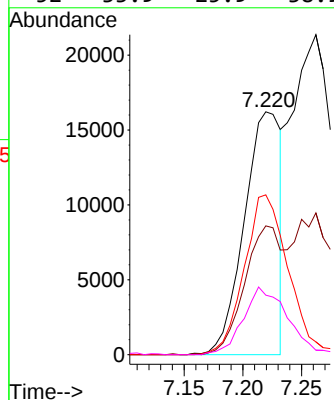
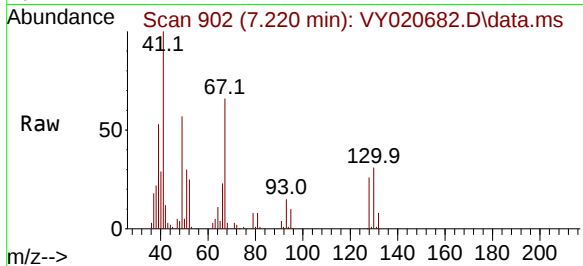




#41  
Methacrylonitrile  
Concen: 48.692 ug/l  
RT: 7.220 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

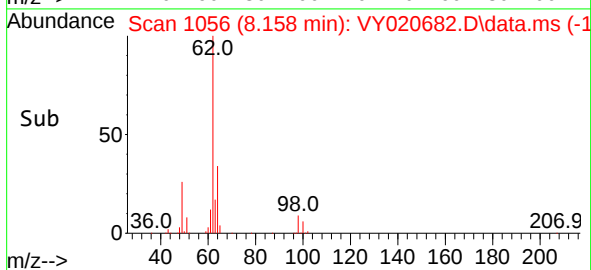
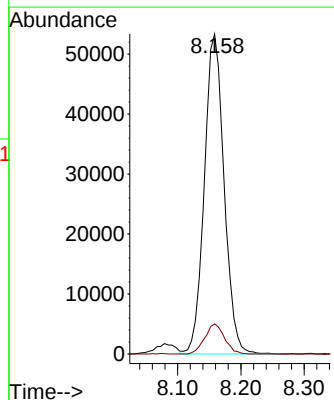
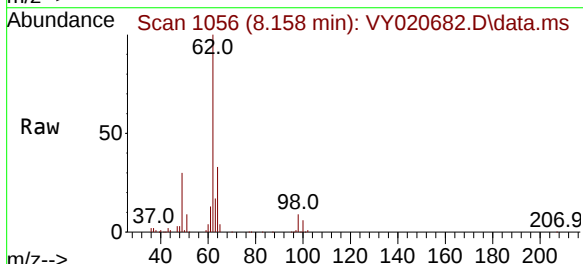
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

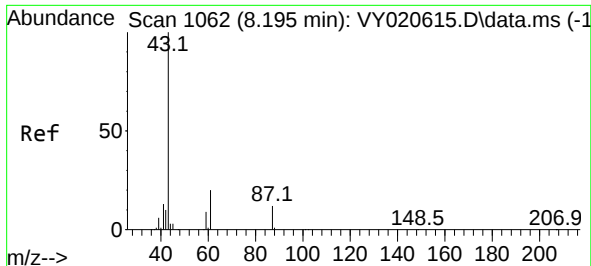
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 35040 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 51.4  | 53.6  | 80.4# |
| 67       | 79.5  | 62.0  | 93.0  |
| 52       | 33.9  | 25.9  | 38.9  |



#42  
1,2-Dichloroethane  
Concen: 51.589 ug/l  
RT: 8.158 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 116059 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.3   | 0.0   | 18.0   |

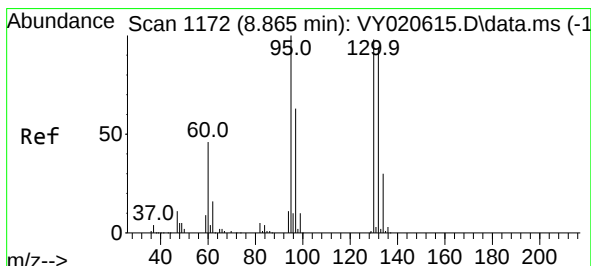
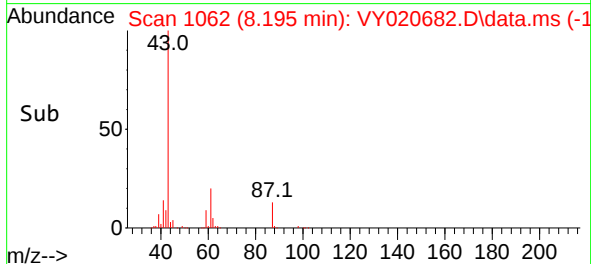
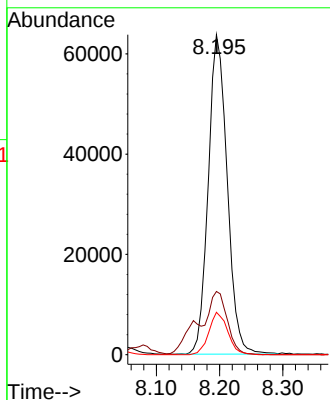
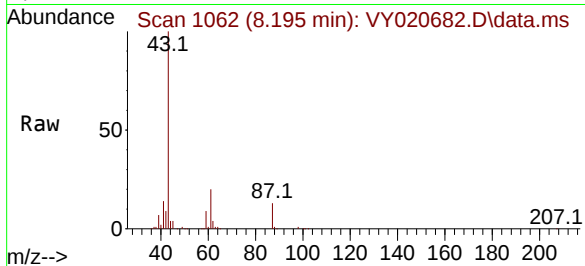




#43  
Isopropyl Acetate  
Concen: 51.476 ug/l  
RT: 8.195 min Scan# 1062  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

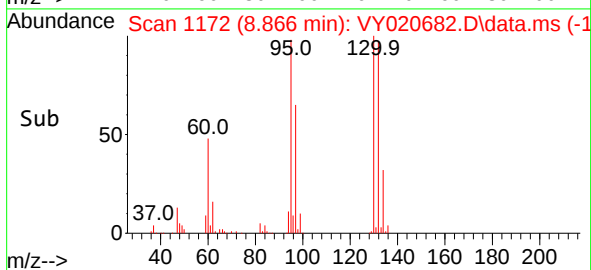
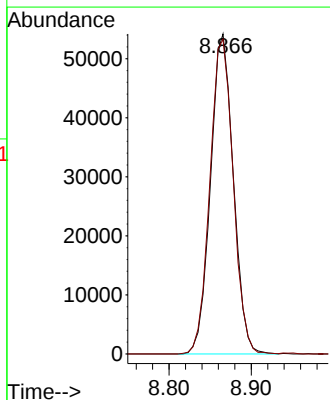
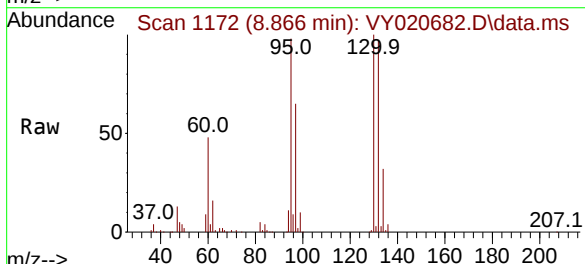
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

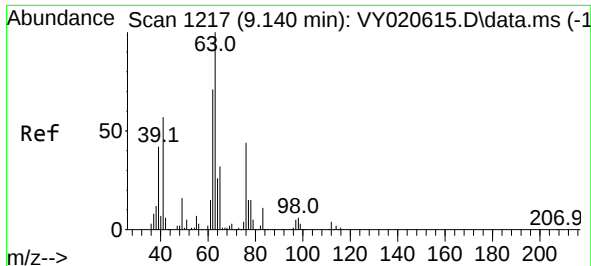
Tgt Ion: 43 Resp: 132653  
Ion Ratio Lower Upper  
43 100  
61 20.1 23.8 35.6#  
87 13.2 10.2 15.4



#44  
Trichloroethene  
Concen: 50.065 ug/l  
RT: 8.866 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:130 Resp: 104350  
Ion Ratio Lower Upper  
130 100  
95 98.3 0.0 203.2





#45

1,2-Dichloropropane

Concen: 51.953 ug/l

RT: 9.140 min Scan# 1217

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

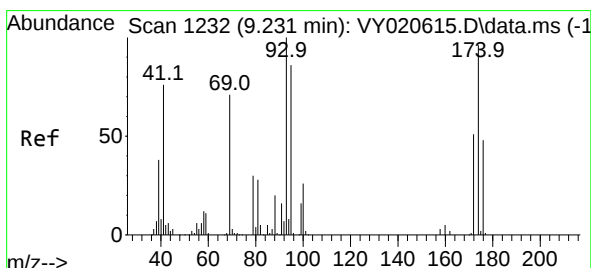
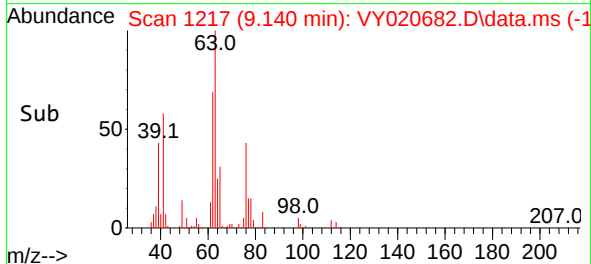
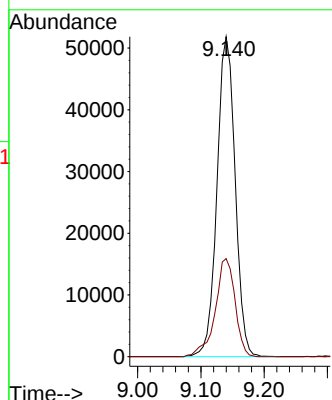
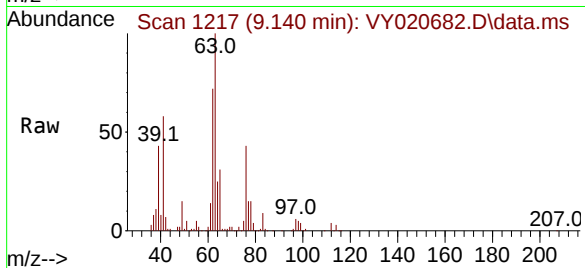
VSTDCCC050EC

Tgt Ion: 63 Resp: 102993

Ion Ratio Lower Upper

63 100

65 30.7 25.9 38.9



#46

Dibromomethane

Concen: 52.734 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

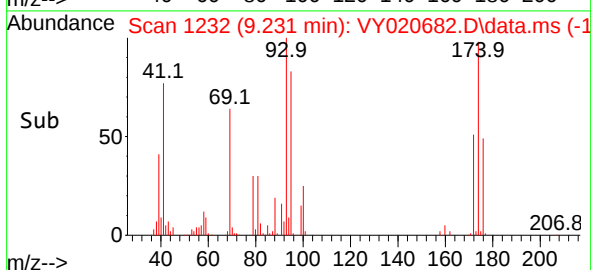
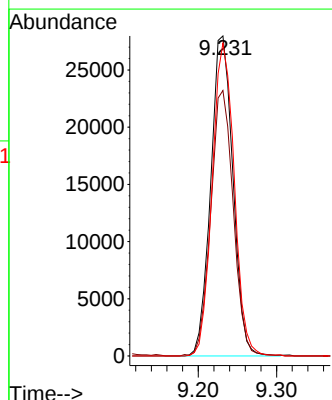
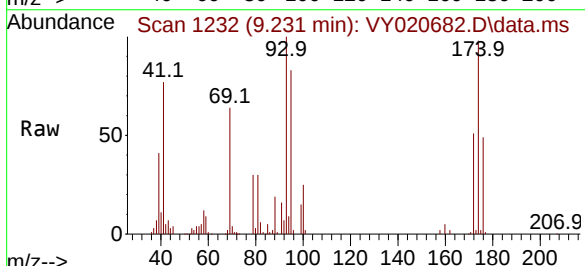
Tgt Ion: 93 Resp: 55249

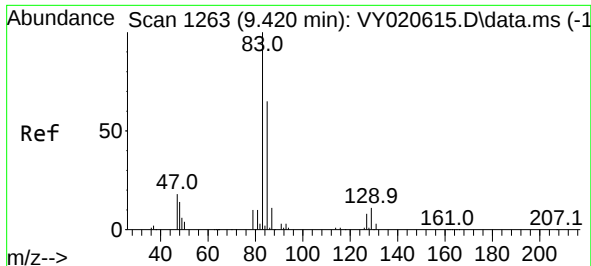
Ion Ratio Lower Upper

93 100

95 83.9 66.7 100.1

174 96.8 77.8 116.6

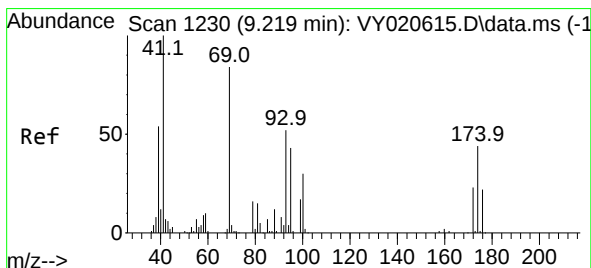
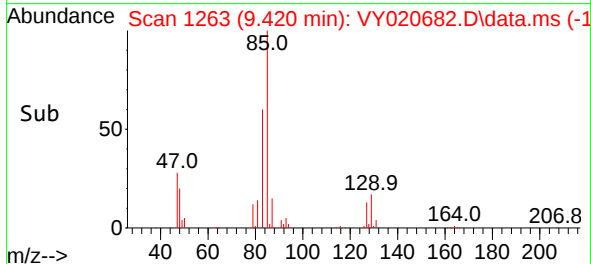
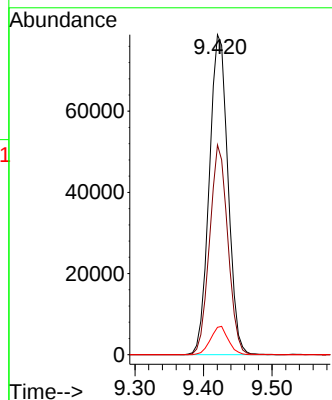
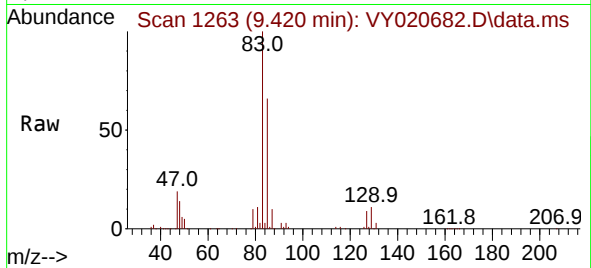




#47  
Bromodichloromethane  
Concen: 52.643 ug/l  
RT: 9.420 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

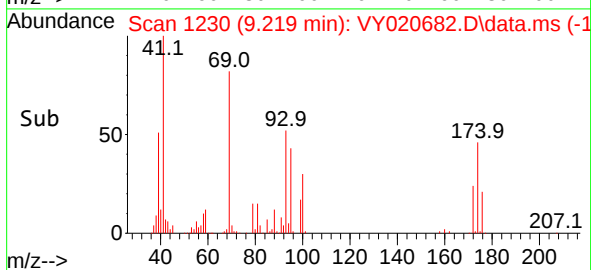
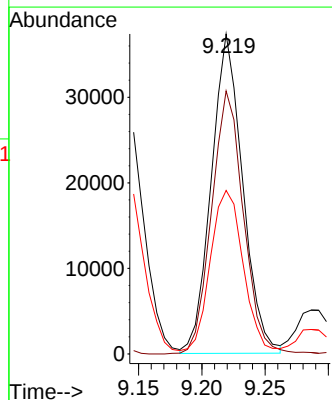
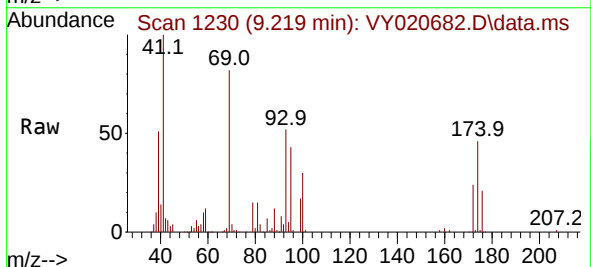
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

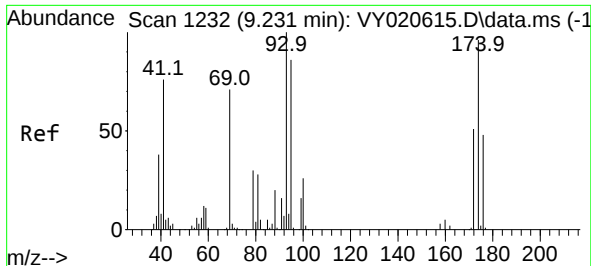
Tgt Ion: 83 Resp: 148983  
Ion Ratio Lower Upper  
83 100  
85 65.6 52.1 78.1  
127 8.5 6.7 10.1



#48  
Methyl methacrylate  
Concen: 52.516 ug/l  
RT: 9.219 min Scan# 1230  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 41 Resp: 64336  
Ion Ratio Lower Upper  
41 100  
69 83.7 67.2 100.8  
39 52.0 42.2 63.4

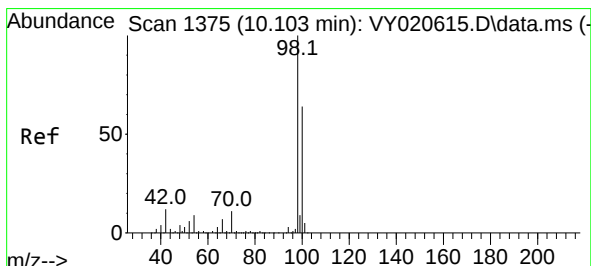
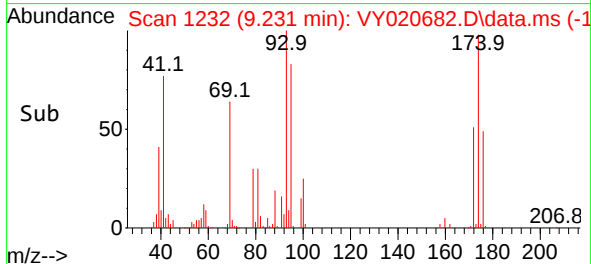
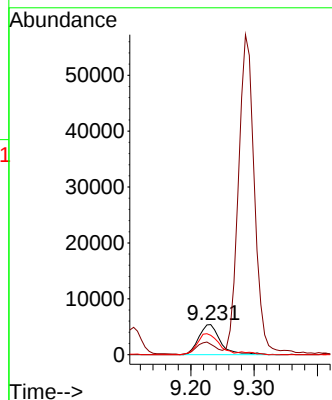
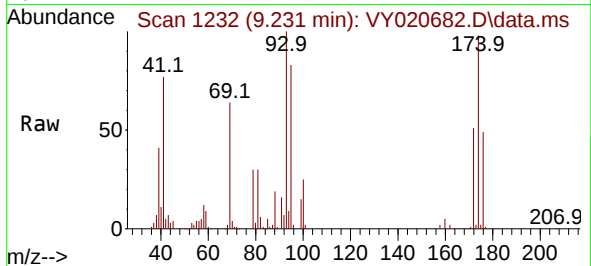




#49  
1,4-Dioxane  
Concen: 1069.318 ug/l  
RT: 9.231 min Scan# 1232  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

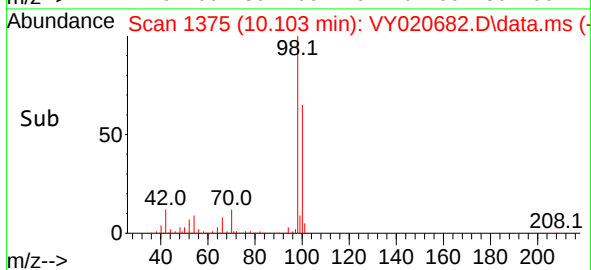
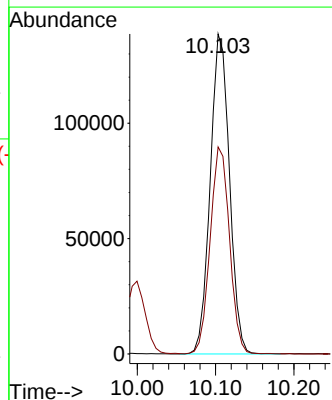
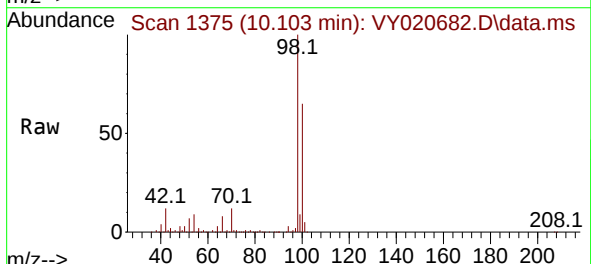
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

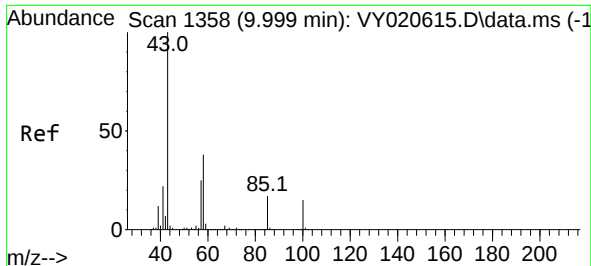
Tgt Ion: 88 Resp: 12848  
Ion Ratio Lower Upper  
88 100  
43 37.9 27.6 41.4  
58 69.8 61.7 92.5



#50  
Toluene-d8  
Concen: 42.543 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 98 Resp: 236316  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 255.175 ug/l

RT: 9.993 min Scan# 1357

Delta R.T. -0.006 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

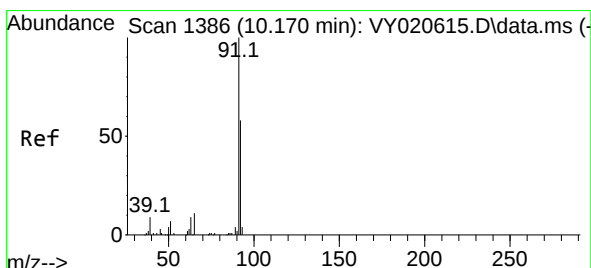
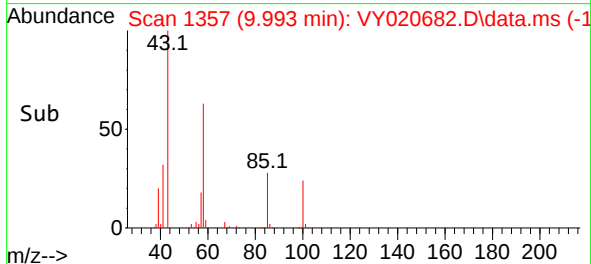
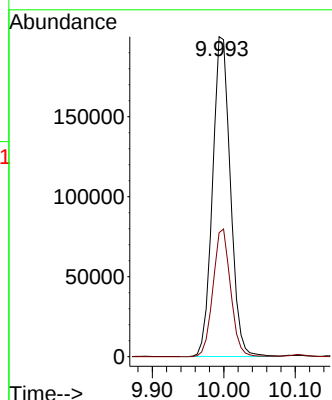
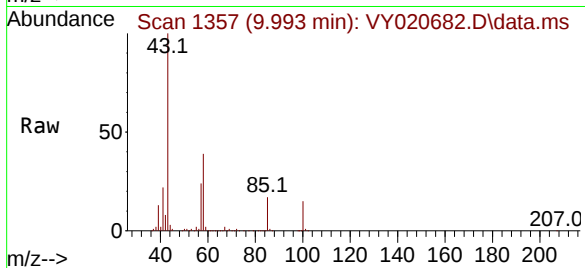
VSTDCCC050EC

Tgt Ion: 43 Resp: 347100

Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.2



#52

Toluene

Concen: 51.164 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. 0.000 min

Lab File: VY020682.D

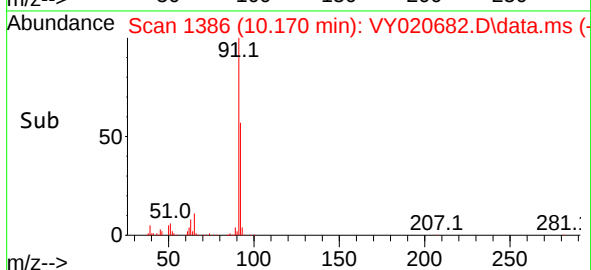
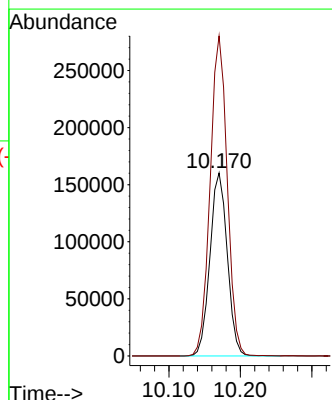
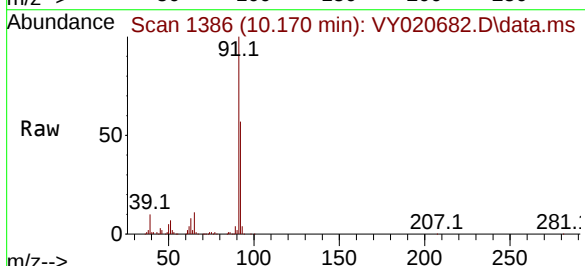
Acq: 20 Dec 2024 19:35

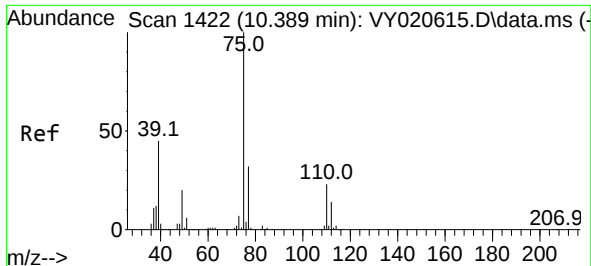
Tgt Ion: 92 Resp: 269709

Ion Ratio Lower Upper

92 100

91 172.5 137.4 206.0

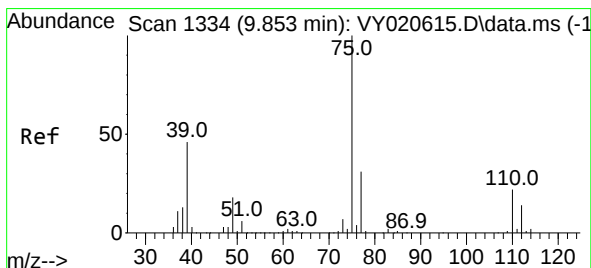
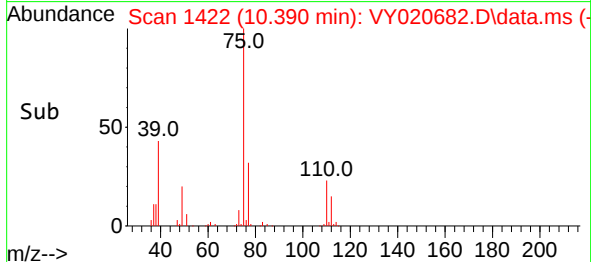
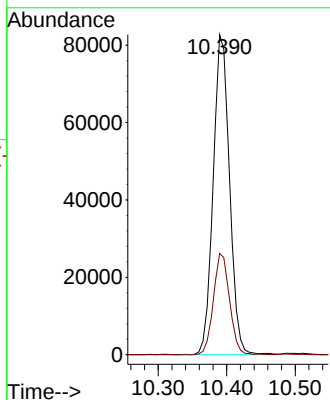
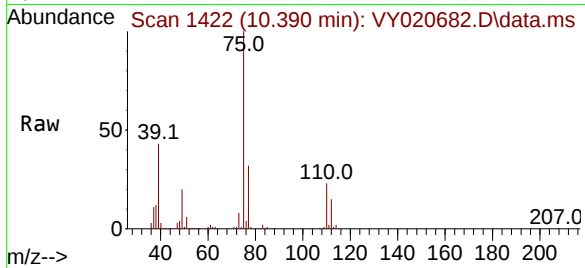




#53  
t-1,3-Dichloropropene  
Concen: 51.983 ug/l  
RT: 10.390 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

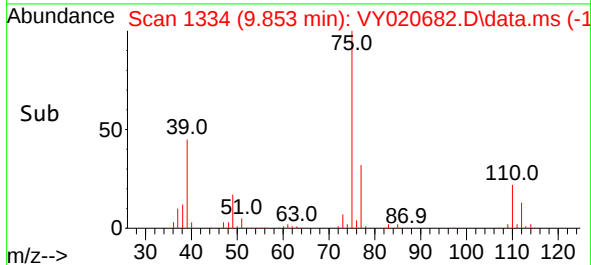
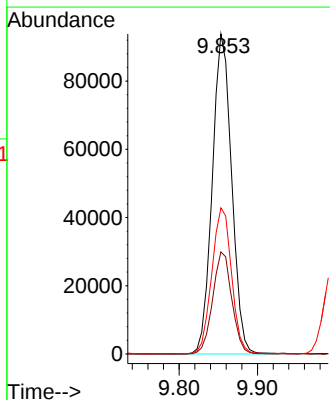
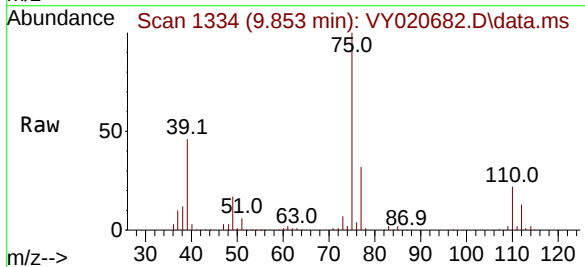
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

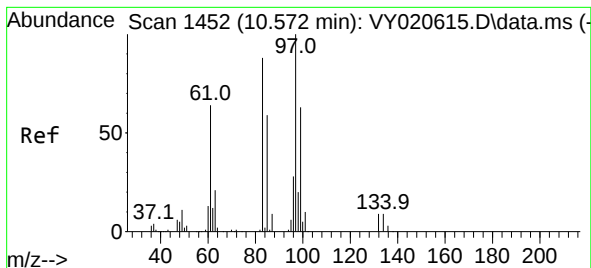
Tgt Ion: 75 Resp: 137082  
Ion Ratio Lower Upper  
75 100  
77 31.7 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 51.582 ug/l  
RT: 9.853 min Scan# 1334  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 161185  
Ion Ratio Lower Upper  
75 100  
77 31.9 24.6 36.8  
39 45.5 36.4 54.6

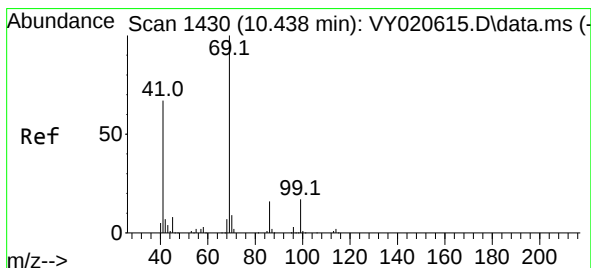
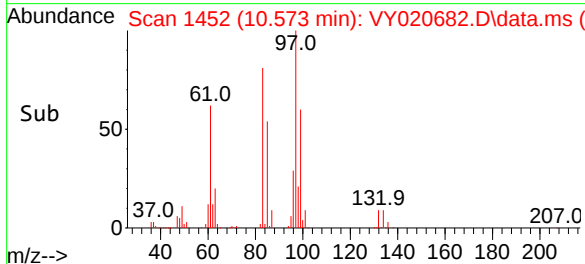
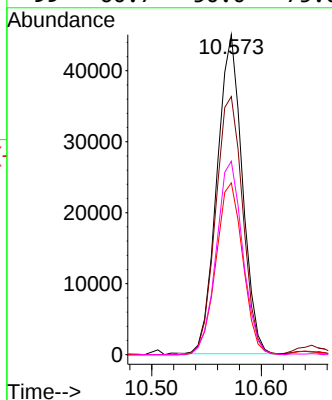
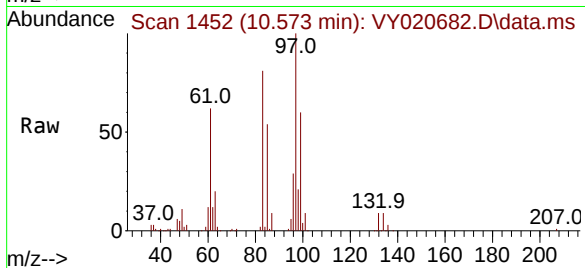




#55  
1,1,2-Trichloroethane  
Concen: 52.160 ug/l  
RT: 10.573 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

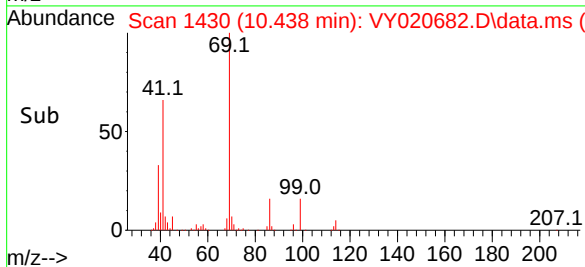
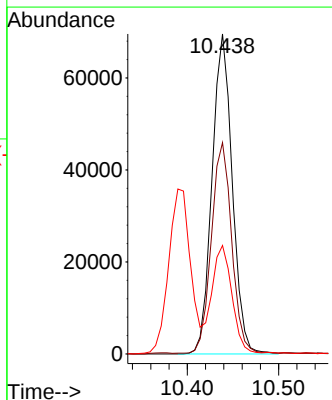
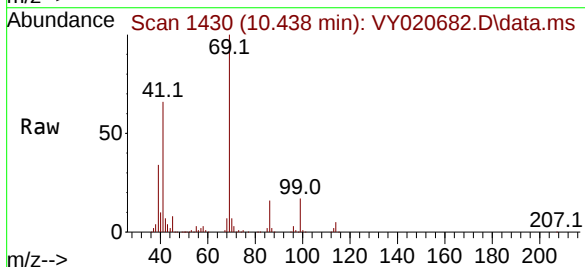
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

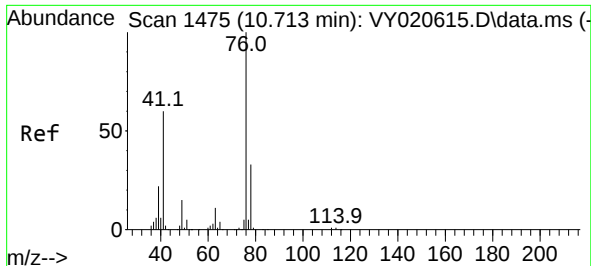
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 72252 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 80.9  | 70.4  | 105.6 |
| 85       | 53.9  | 47.2  | 70.8  |
| 99       | 60.7  | 50.0  | 75.0  |



#56  
Ethyl methacrylate  
Concen: 53.177 ug/l  
RT: 10.438 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 106862 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 65.9  | 54.0  | 81.0   |
| 39       | 34.4  | 27.9  | 41.9   |





#57

1,3-Dichloropropane

Concen: 52.533 ug/l

RT: 10.719 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

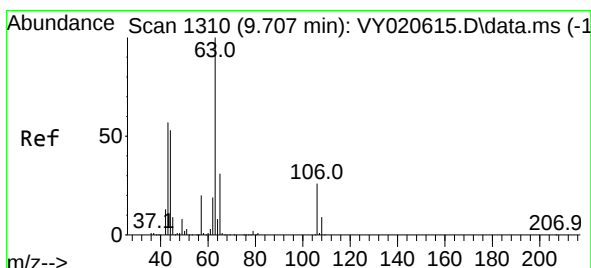
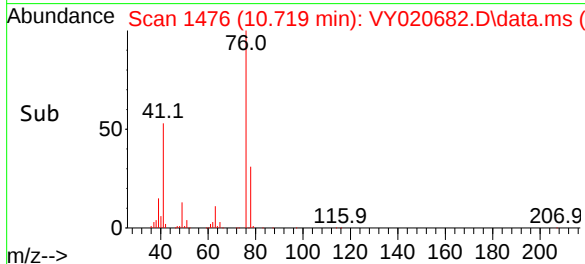
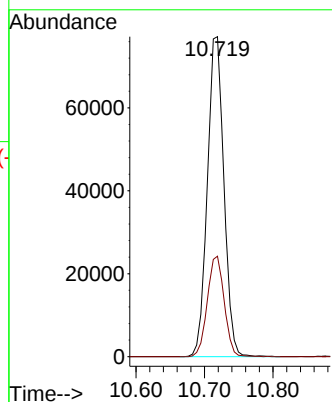
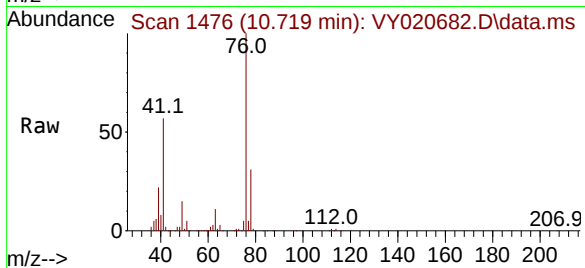
VSTDCCC050EC

Tgt Ion: 76 Resp: 129720

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 318.460 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VY020682.D

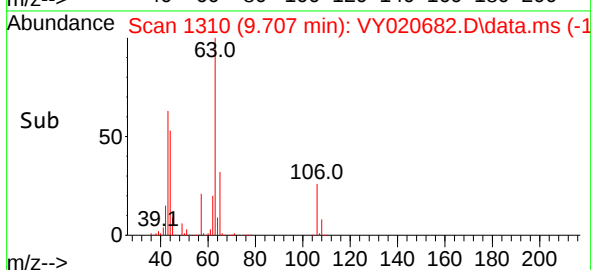
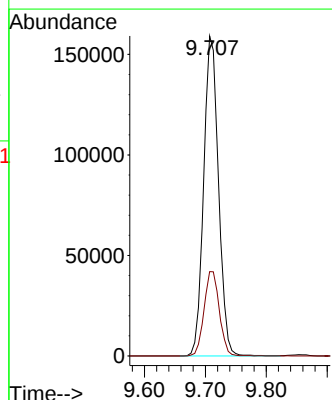
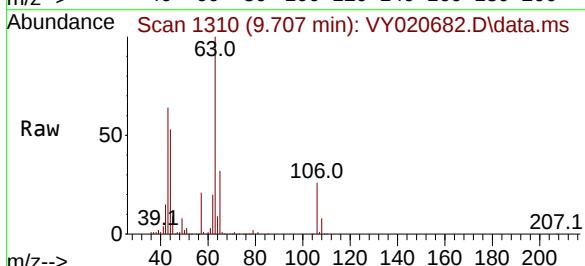
Acq: 20 Dec 2024 19:35

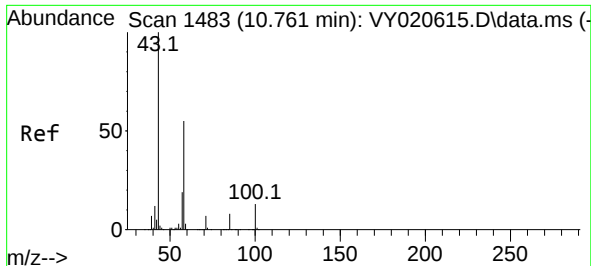
Tgt Ion: 63 Resp: 269274

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3

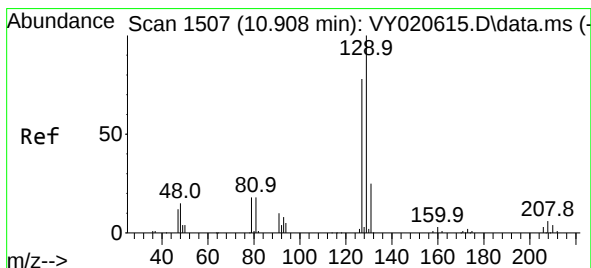
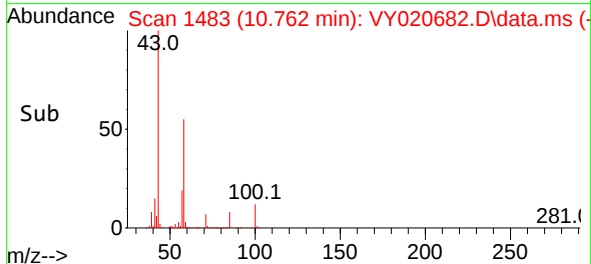
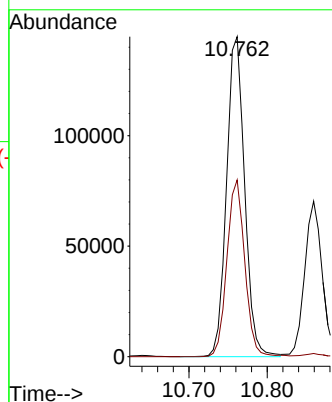
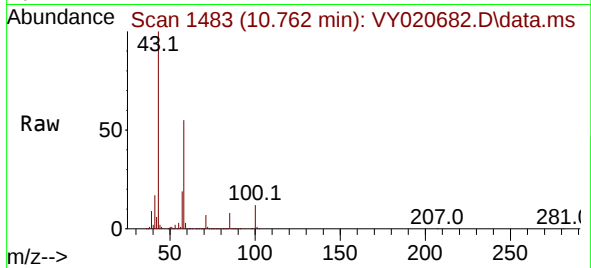




#59  
2-Hexanone  
Concen: 266.163 ug/l  
RT: 10.762 min Scan# 1483  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

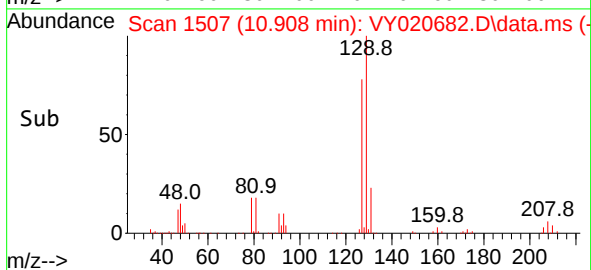
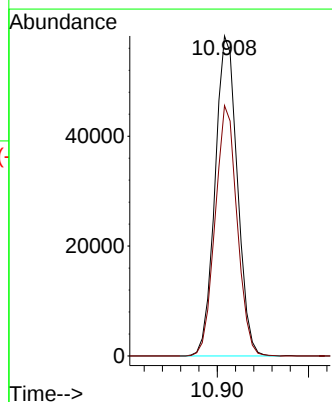
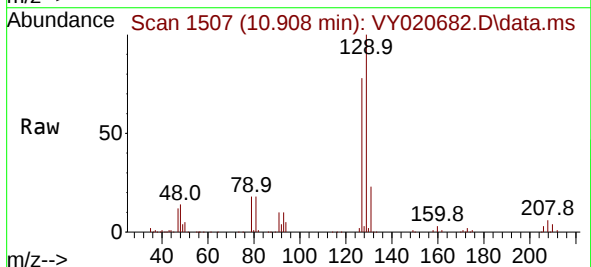
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

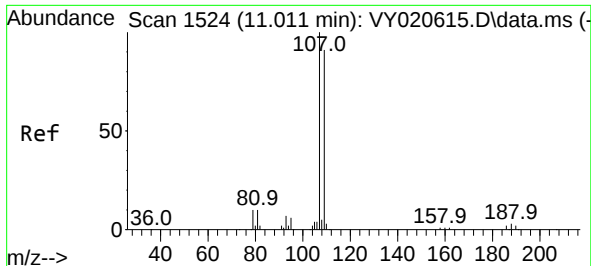
Tgt Ion: 43 Resp: 232450  
Ion Ratio Lower Upper  
43 100  
58 54.6 27.2 81.6



#60  
Dibromochloromethane  
Concen: 53.204 ug/l  
RT: 10.908 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:129 Resp: 98561  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.1 114.3

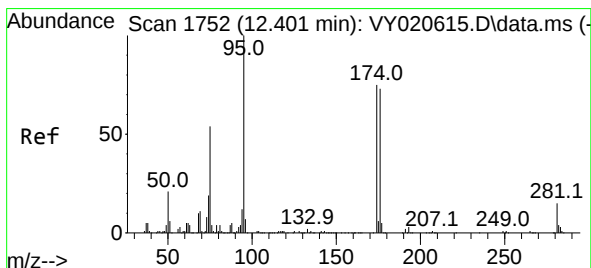
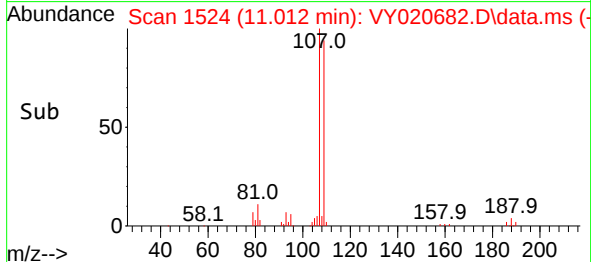
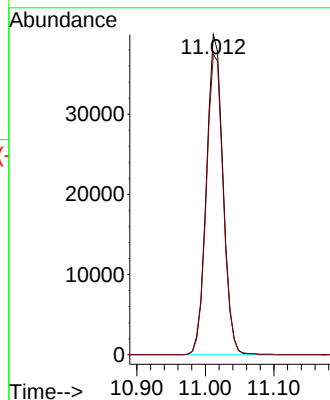
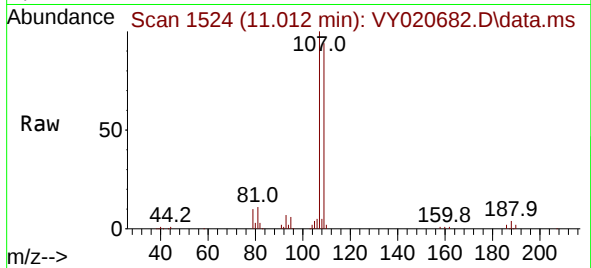




#61  
1,2-Dibromoethane  
Concen: 52.208 ug/l  
RT: 11.012 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

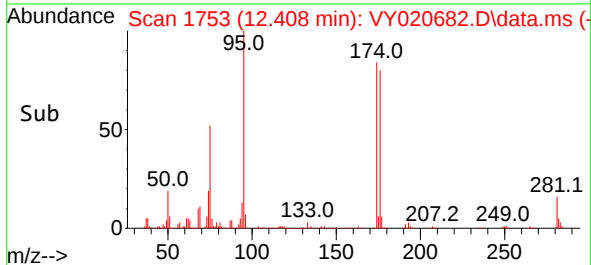
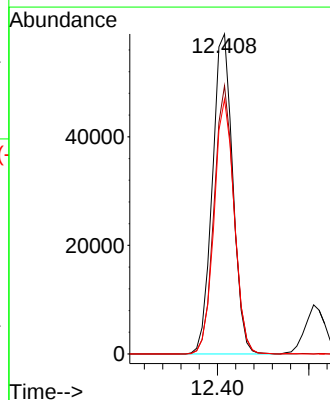
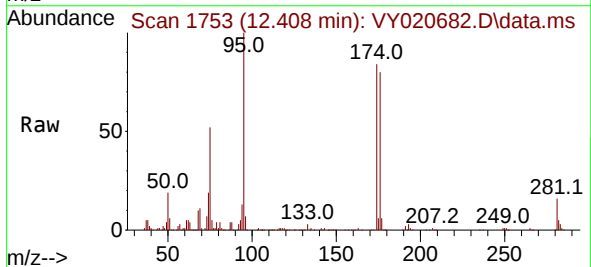
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

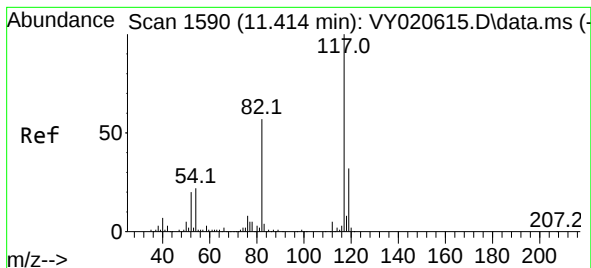
Tgt Ion:107 Resp: 67268  
Ion Ratio Lower Upper  
107 100  
109 95.7 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 42.042 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 95 Resp: 91351  
Ion Ratio Lower Upper  
95 100  
174 81.6 0.0 161.8  
176 78.8 0.0 156.6

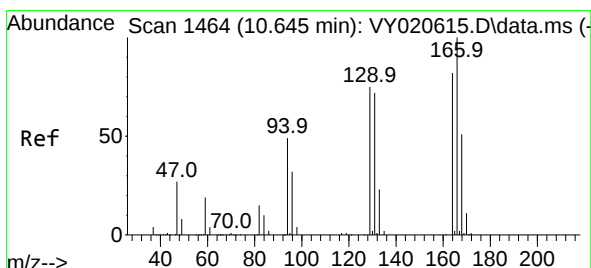
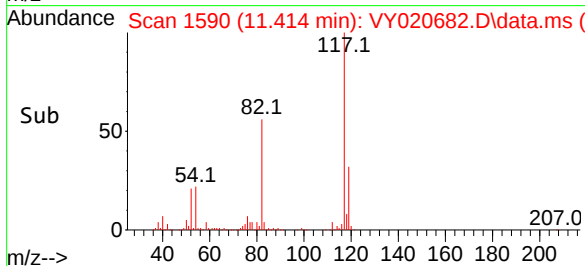
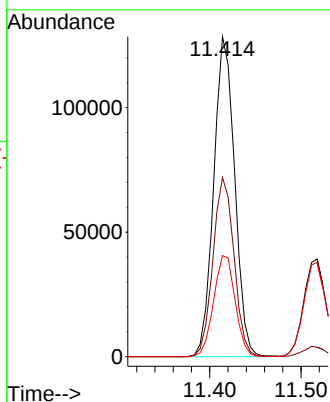
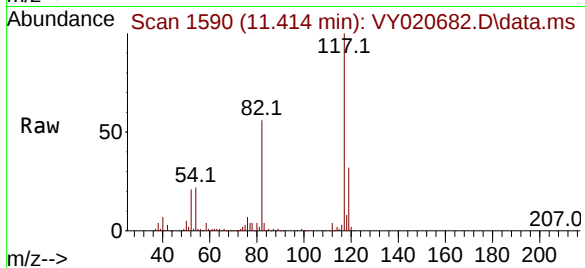




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1170  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

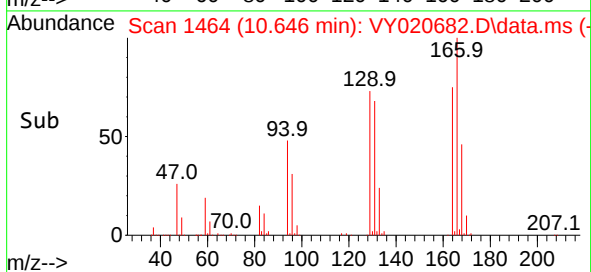
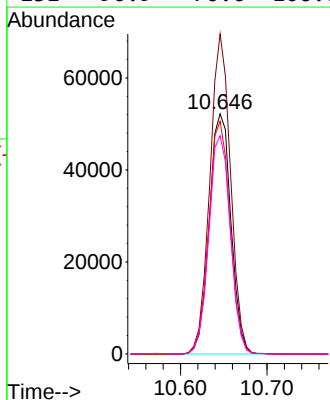
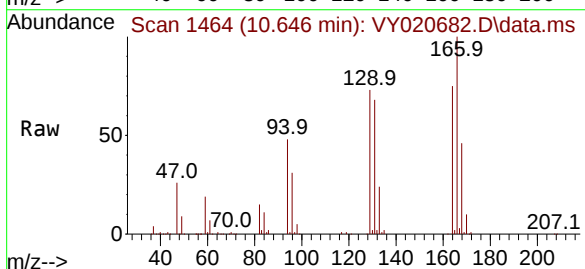
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

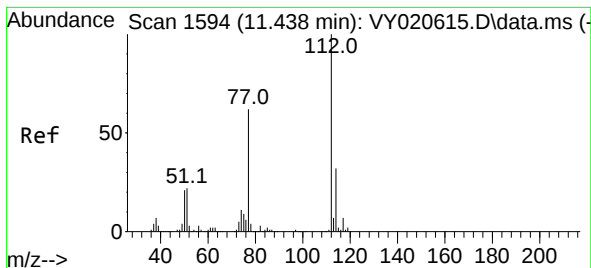
Tgt Ion:117 Resp: 204671  
Ion Ratio Lower Upper  
117 100  
82 56.0 45.8 68.6  
119 31.6 25.3 37.9



#64  
Tetrachloroethene  
Concen: 47.125 ug/l  
RT: 10.646 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:164 Resp: 90723  
Ion Ratio Lower Upper  
164 100  
166 133.3 97.9 146.9  
129 96.9 73.4 110.0  
131 90.9 70.6 106.0





#65

Chlorobenzene

Concen: 50.396 ug/l

RT: 11.444 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

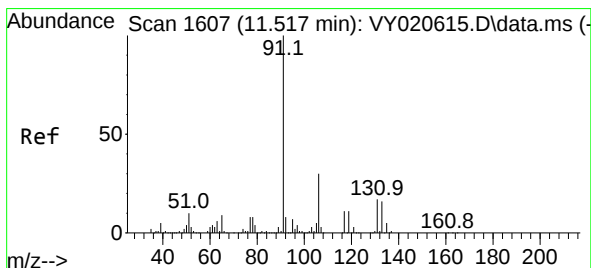
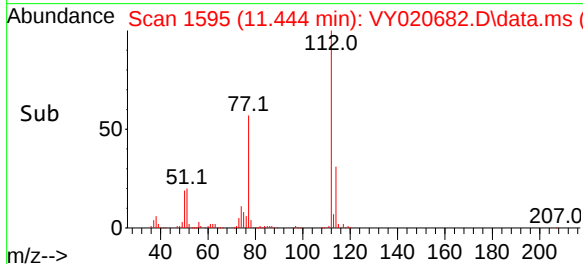
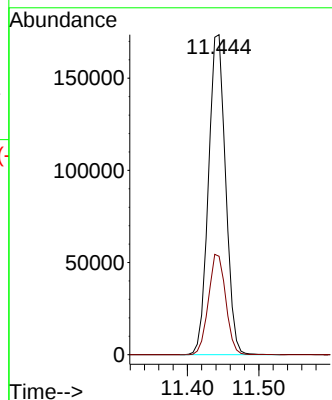
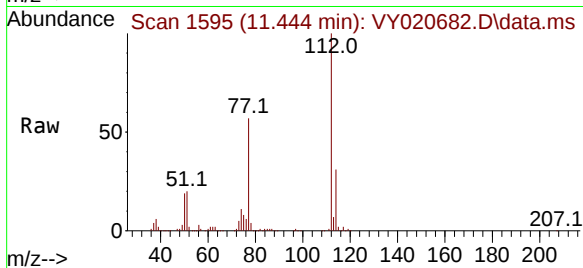
VSTDCCC050EC

Tgt Ion:112 Resp: 288406

Ion Ratio Lower Upper

112 100

114 30.7 26.0 39.0



#66

1,1,1,2-Tetrachloroethane

Concen: 51.120 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

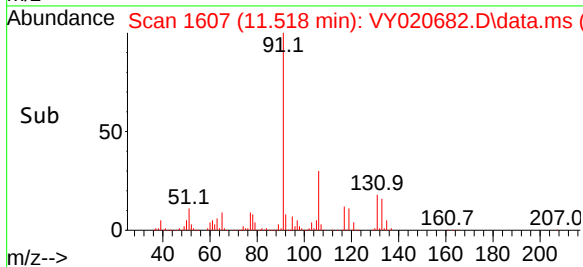
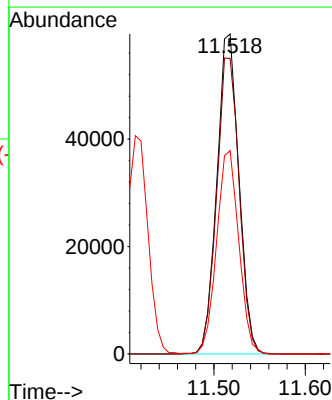
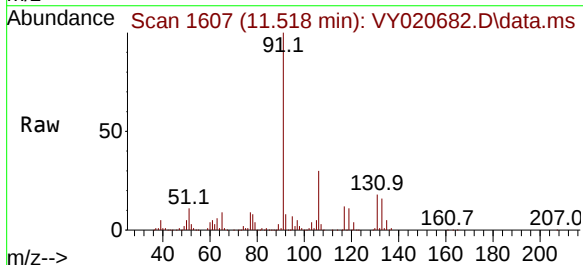
Tgt Ion:131 Resp: 100036

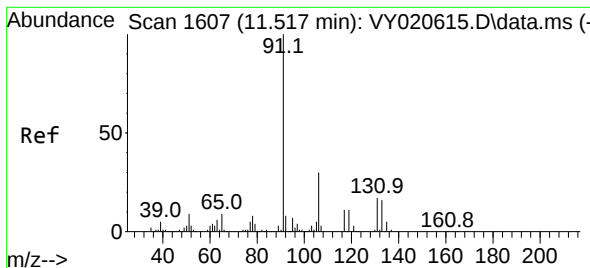
Ion Ratio Lower Upper

131 100

133 94.5 46.8 140.3

119 64.0 31.8 95.3





#67

Ethyl Benzene

Concen: 49.283 ug/l

RT: 11.518 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

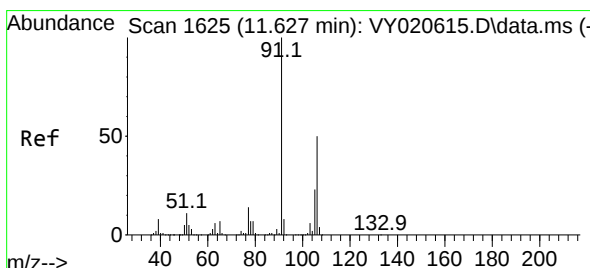
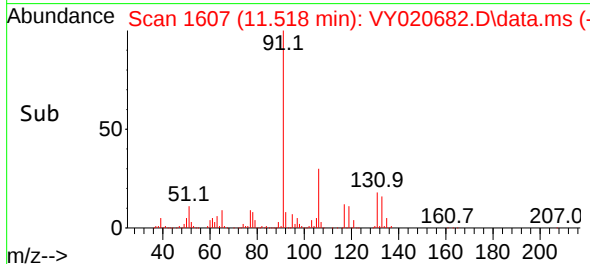
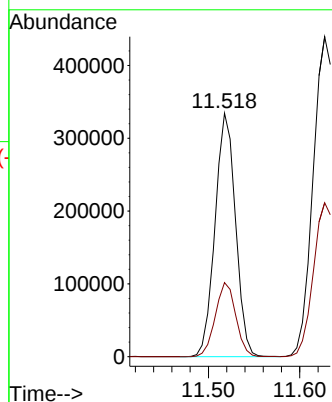
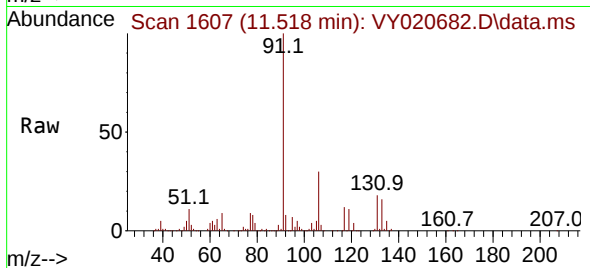
VSTDCCC050EC

Tgt Ion: 91 Resp: 520329

Ion Ratio Lower Upper

91 100

106 30.4 23.9 35.9



#68

m/p-Xylenes

Concen: 98.385 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.000 min

Lab File: VY020682.D

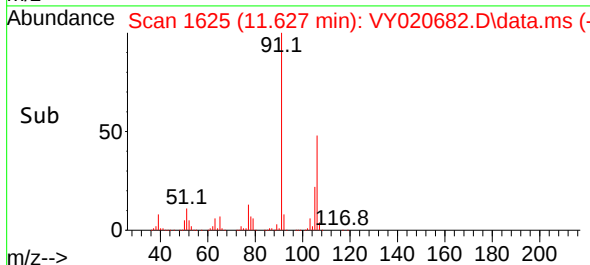
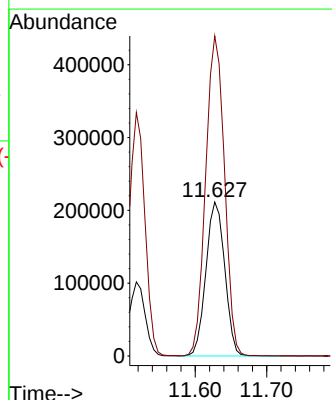
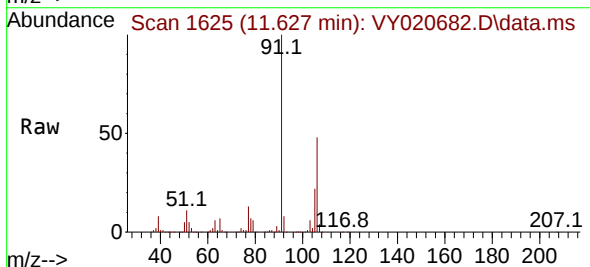
Acq: 20 Dec 2024 19:35

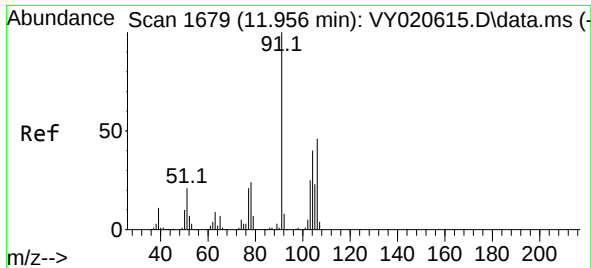
Tgt Ion: 106 Resp: 386215

Ion Ratio Lower Upper

106 100

91 207.9 165.0 247.4

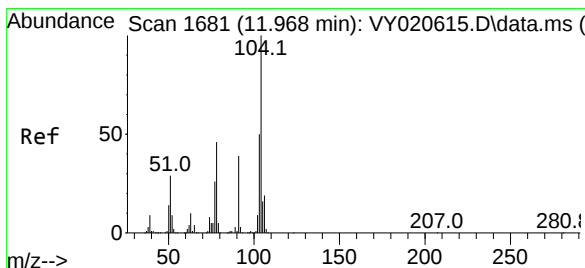
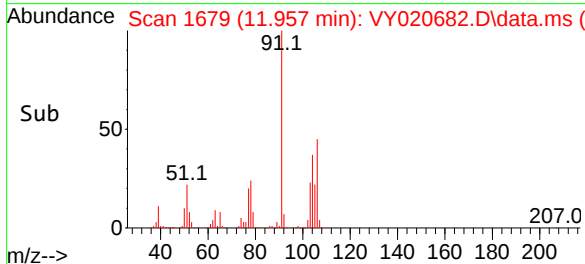
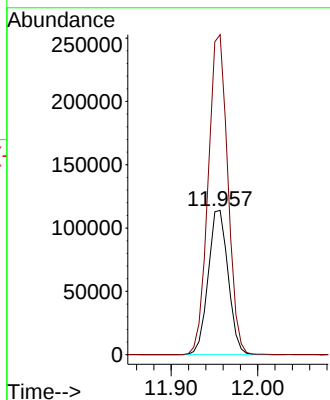
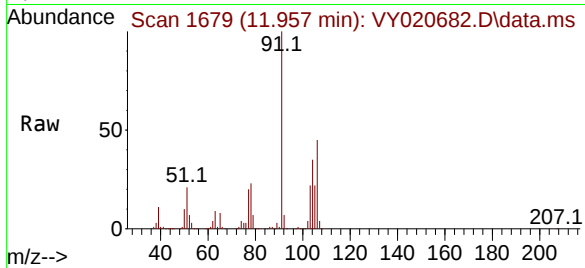




#69  
o-Xylene  
Concen: 49.791 ug/l  
RT: 11.957 min Scan# 1679  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

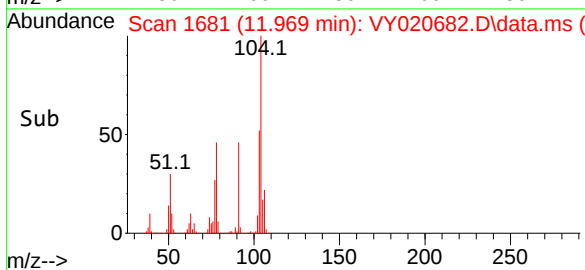
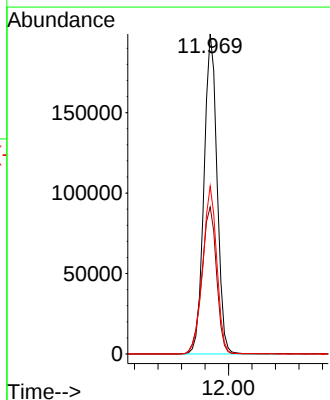
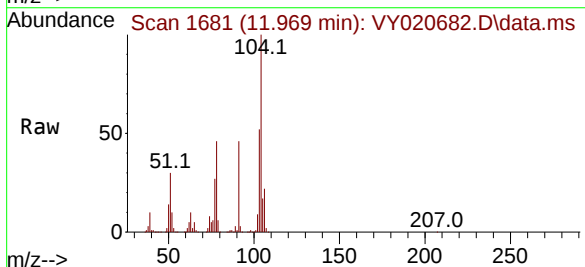
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

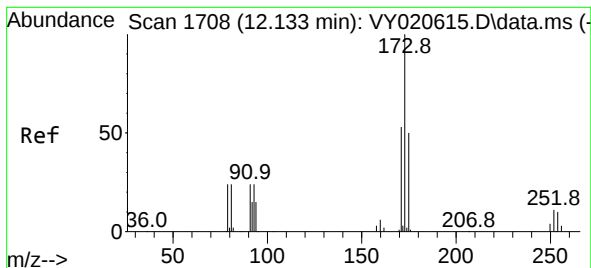
Tgt Ion:106 Resp: 182369  
Ion Ratio Lower Upper  
106 100  
91 218.7 108.4 325.2



#70  
Styrene  
Concen: 50.345 ug/l  
RT: 11.969 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:104 Resp: 308084  
Ion Ratio Lower Upper  
104 100  
78 51.4 41.6 62.4  
103 56.1 43.7 65.5





#71

Bromoform

Concen: 51.813 ug/l

RT: 12.133 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

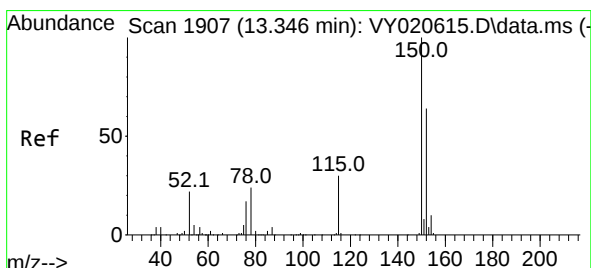
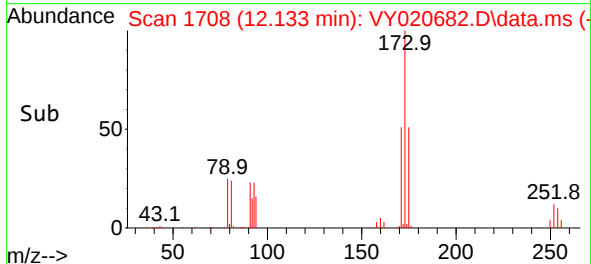
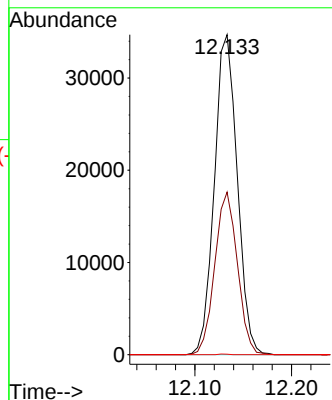
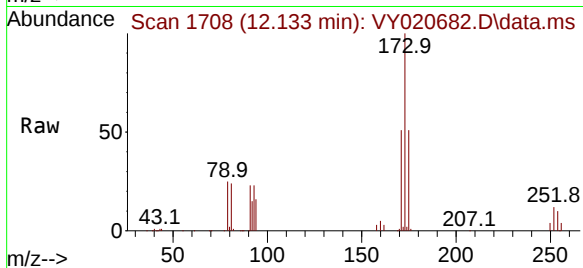
Tgt Ion:173 Resp: 57006

Ion Ratio Lower Upper

173 100

175 50.2 24.6 74.0

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

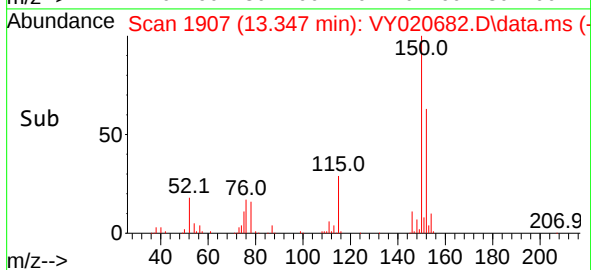
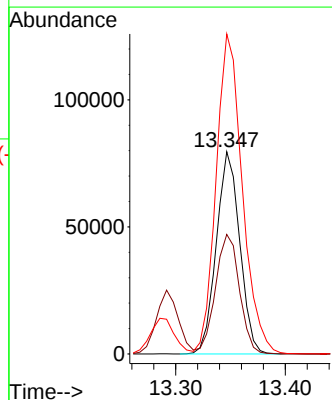
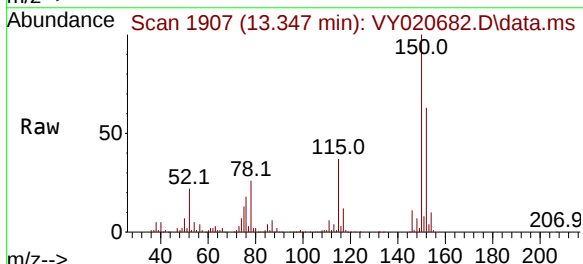
Tgt Ion:152 Resp: 118027

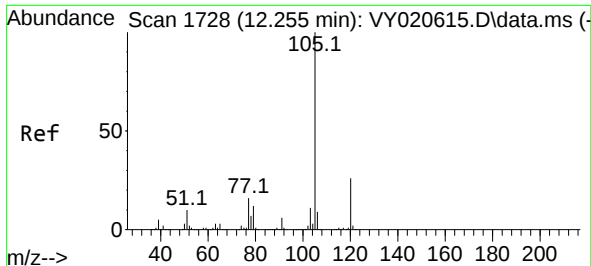
Ion Ratio Lower Upper

152 100

115 60.7 30.2 90.6

150 177.6 0.0 355.4

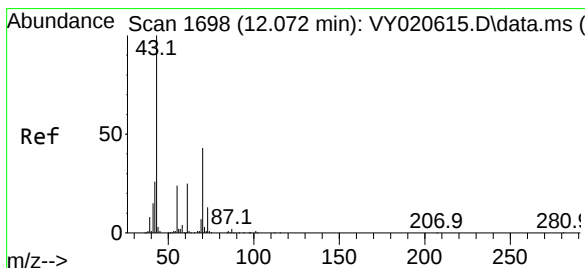
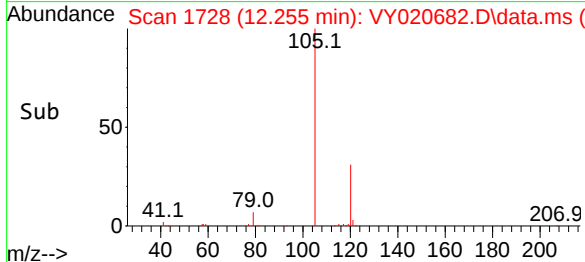
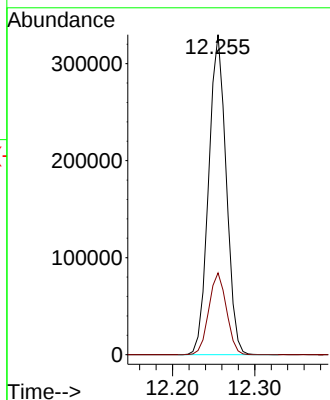
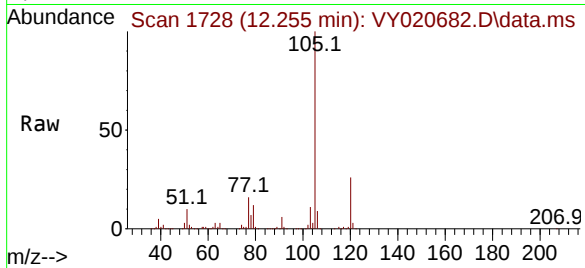




#73  
Isopropylbenzene  
Concen: 47.402 ug/l  
RT: 12.255 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

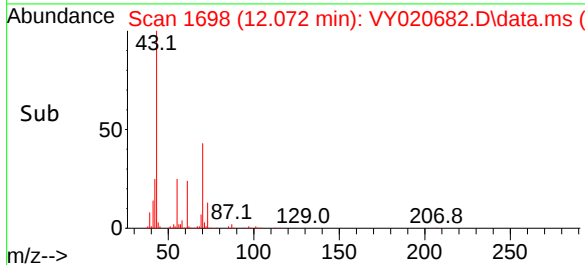
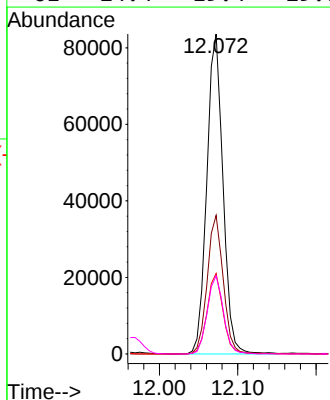
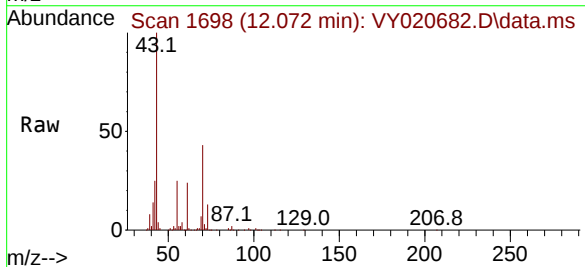
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

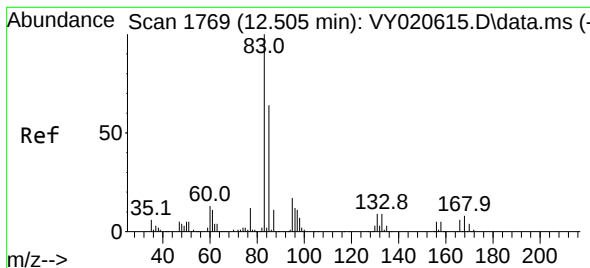
Tgt Ion:105 Resp: 488221  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.1 39.1



#74  
N-ethyl acetate  
Concen: 49.676 ug/l  
RT: 12.072 min Scan# 1698  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 43 Resp: 119742  
Ion Ratio Lower Upper  
43 100  
70 43.1 34.2 51.2  
55 25.0 19.6 29.4  
61 24.4 19.4 29.0

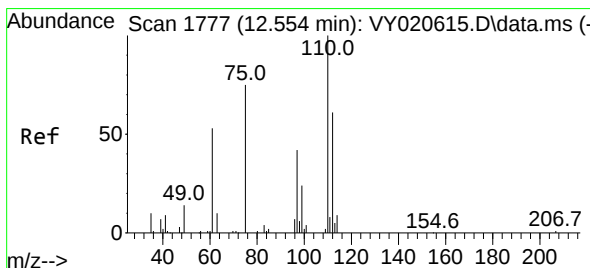
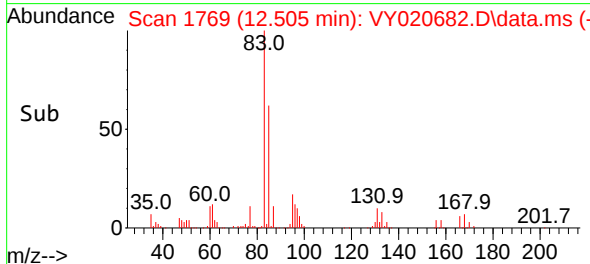
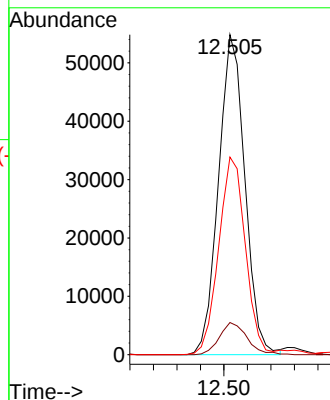
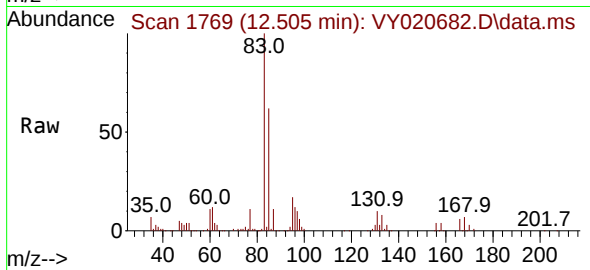




#75  
1,1,2,2-Tetrachloroethane  
Concen: 51.155 ug/l  
RT: 12.505 min Scan# 1769  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

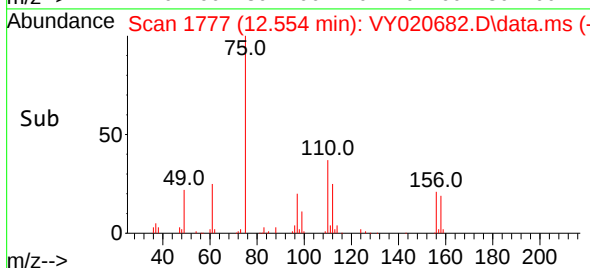
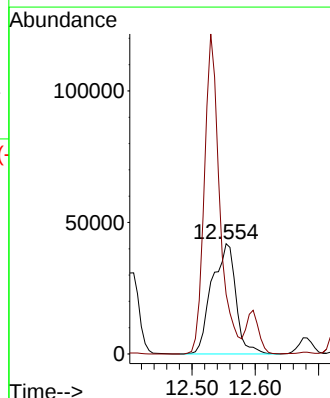
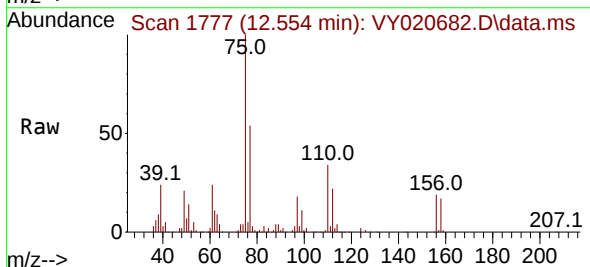
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

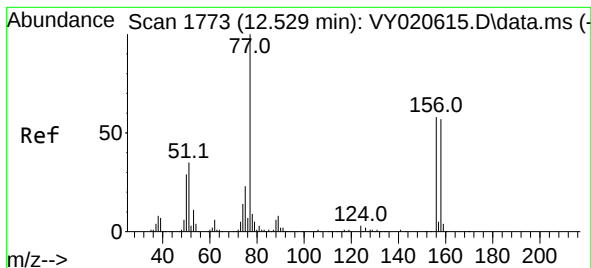
Tgt Ion: 83 Resp: 85524  
Ion Ratio Lower Upper  
83 100  
131 10.5 5.2 15.6  
85 62.4 32.5 97.4



#76  
1,2,3-Trichloropropane  
Concen: 89.947 ug/l  
RT: 12.554 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 110281  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.582 ug/l

RT: 12.530 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

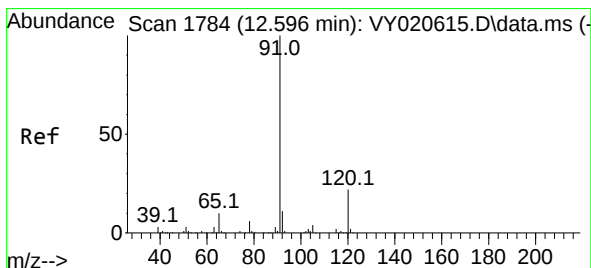
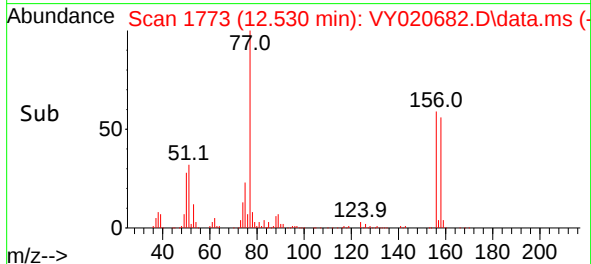
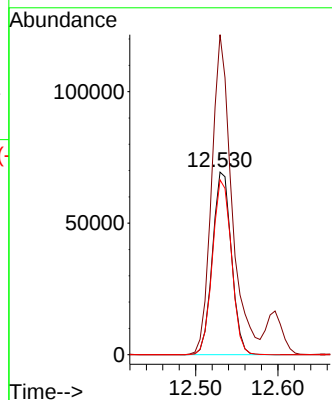
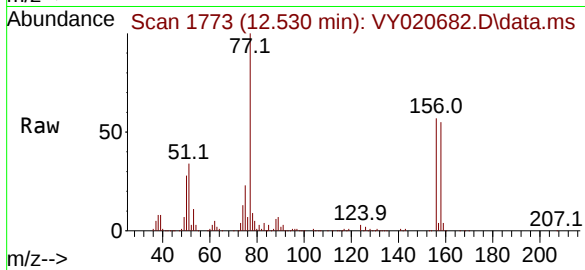
Tgt Ion:156 Resp: 111242

Ion Ratio Lower Upper

156 100

77 186.5 94.2 282.4

158 95.9 48.9 146.6



#78

n-propylbenzene

Concen: 47.158 ug/l

RT: 12.597 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY020682.D

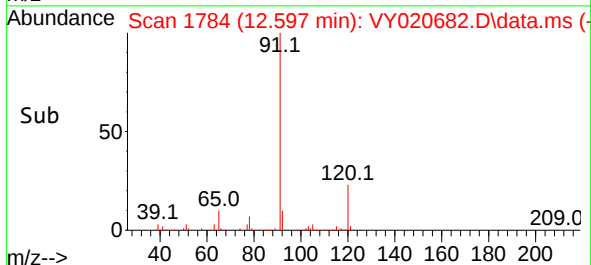
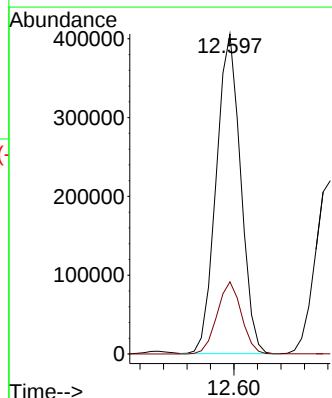
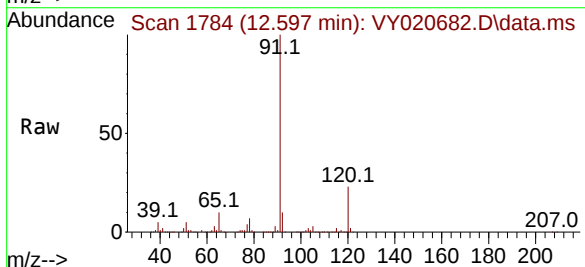
Acq: 20 Dec 2024 19:35

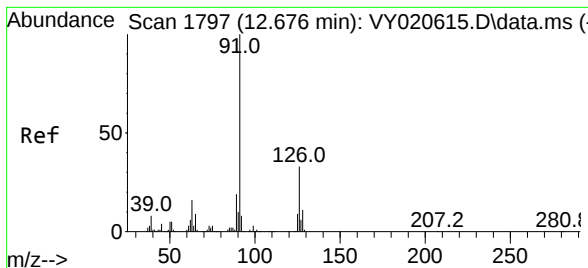
Tgt Ion: 91 Resp: 585185

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.1

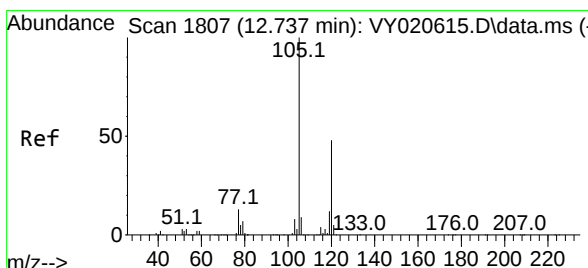
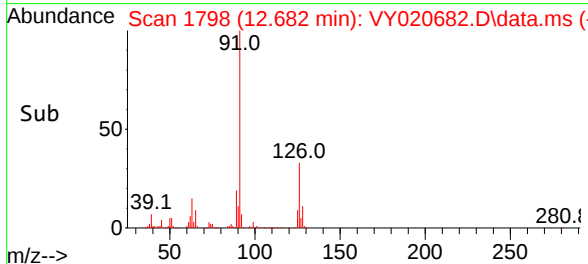
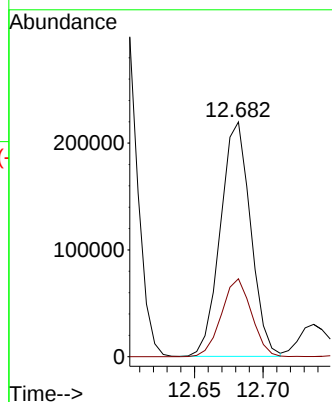
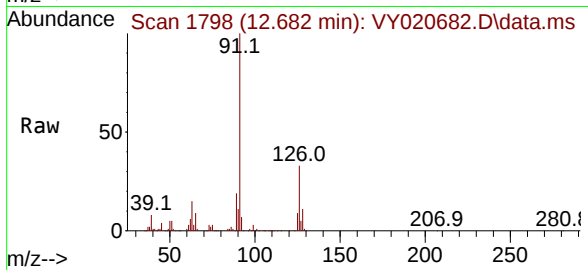




#79  
2-Chlorotoluene  
Concen: 48.298 ug/l  
RT: 12.682 min Scan# 1798  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

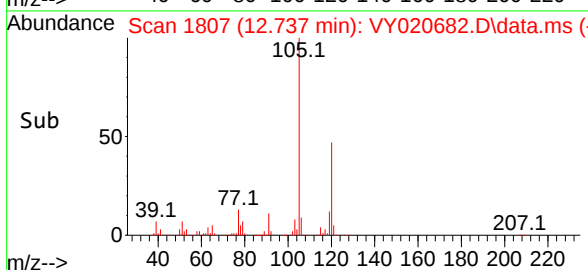
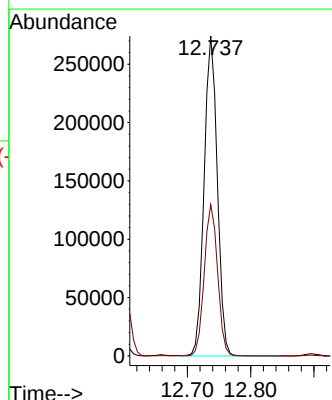
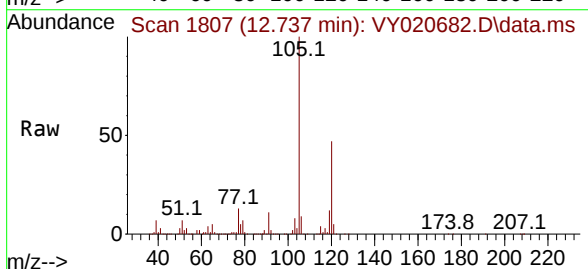
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

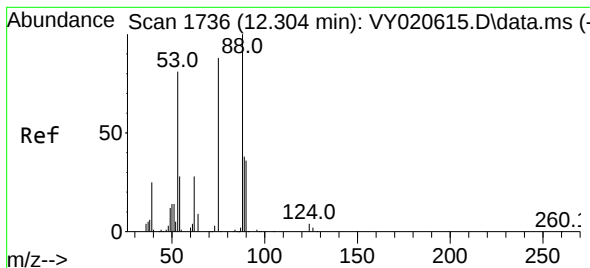
Tgt Ion: 91 Resp: 337195  
Ion Ratio Lower Upper  
91 100  
126 33.0 16.6 49.7



#80  
1,3,5-Trimethylbenzene  
Concen: 47.693 ug/l  
RT: 12.737 min Scan# 1807  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 105 Resp: 398582  
Ion Ratio Lower Upper  
105 100  
120 47.8 23.9 71.7

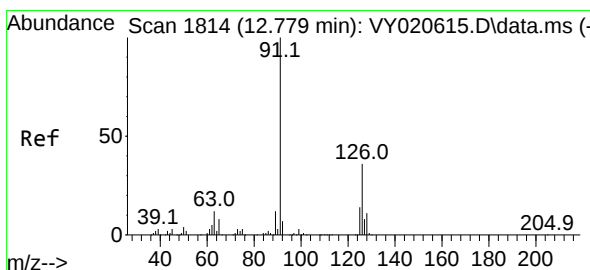
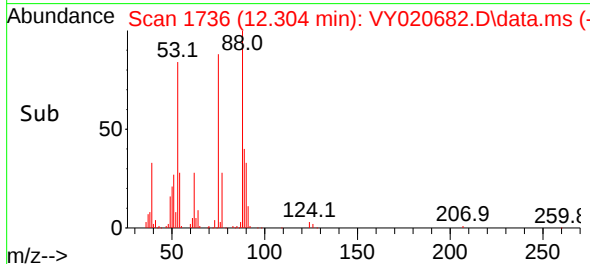
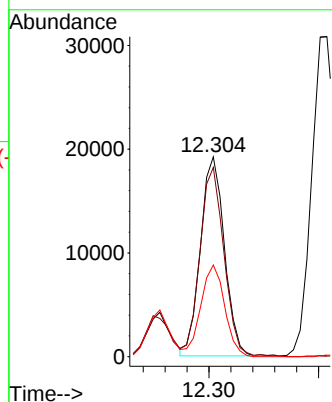
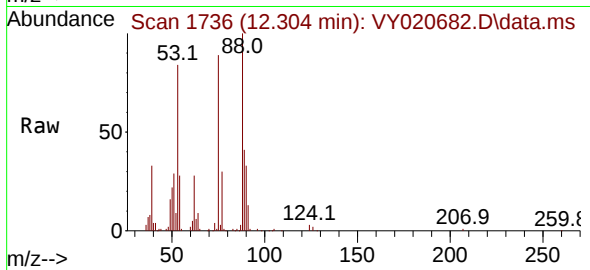




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.831 ug/l  
RT: 12.304 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

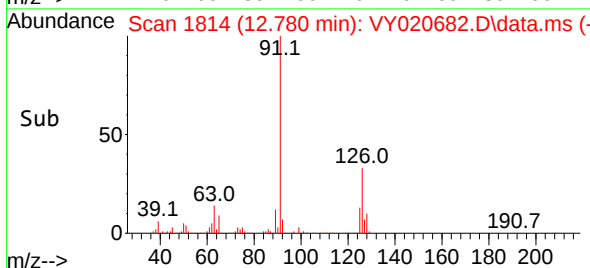
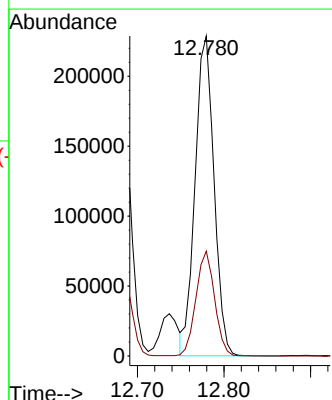
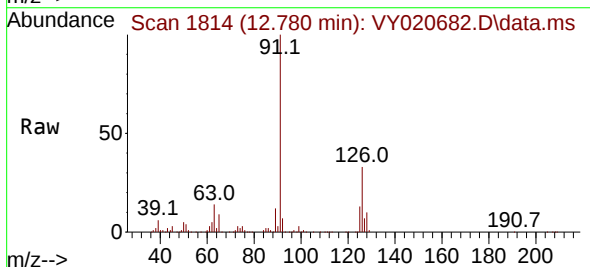
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MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

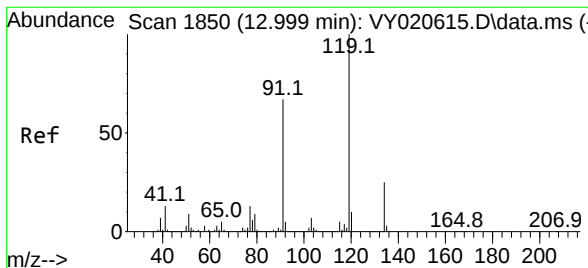
Tgt Ion: 75 Resp: 29107  
Ion Ratio Lower Upper  
75 100  
53 96.0 75.4 113.2  
89 46.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 47.838 ug/l  
RT: 12.780 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 91 Resp: 346496  
Ion Ratio Lower Upper  
91 100  
126 32.4 16.6 49.7

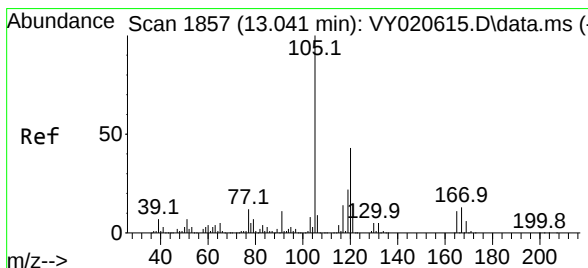
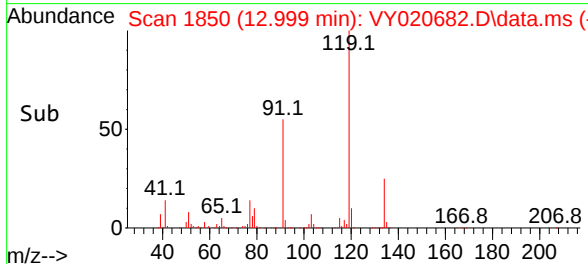
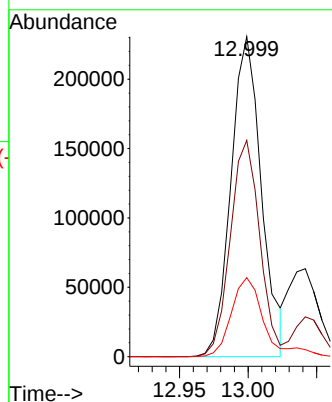
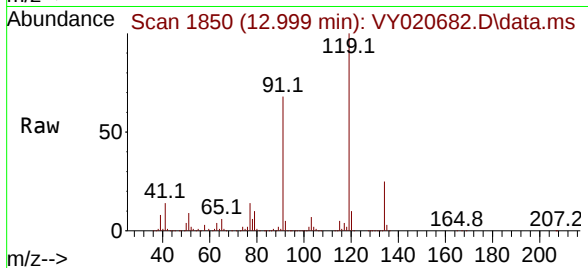




#83  
tert-Butylbenzene  
Concen: 47.095 ug/l  
RT: 12.999 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

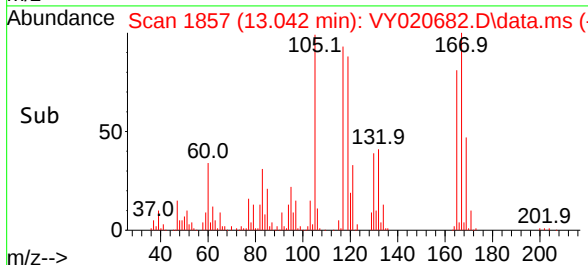
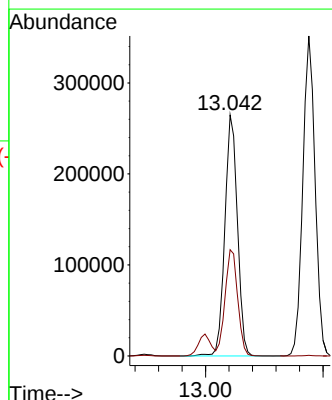
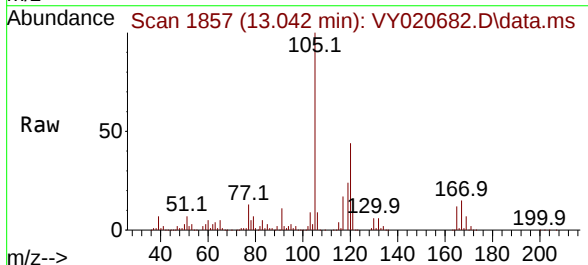
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

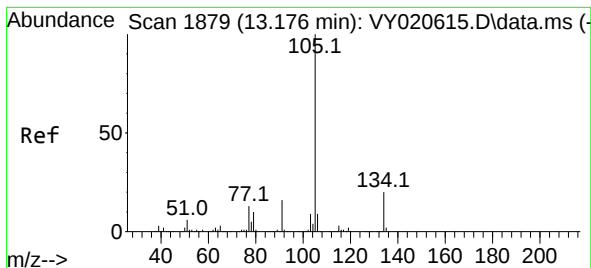
Tgt Ion:119 Resp: 356447  
Ion Ratio Lower Upper  
119 100  
91 65.4 32.9 98.6  
134 26.6 13.1 39.1



#84  
1,2,4-Trimethylbenzene  
Concen: 48.012 ug/l  
RT: 13.042 min Scan# 1857  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion:105 Resp: 393582  
Ion Ratio Lower Upper  
105 100  
120 44.1 21.8 65.4





#85

sec-Butylbenzene

Concen: 46.404 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

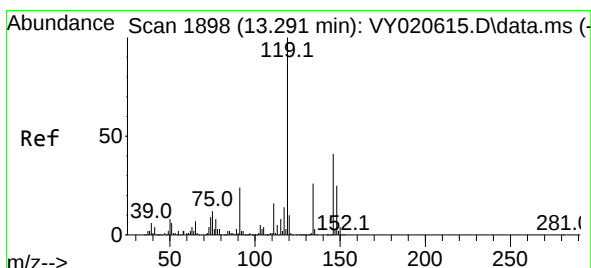
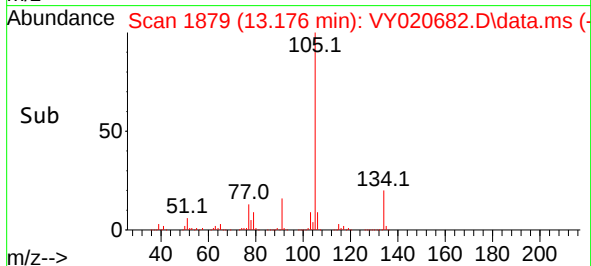
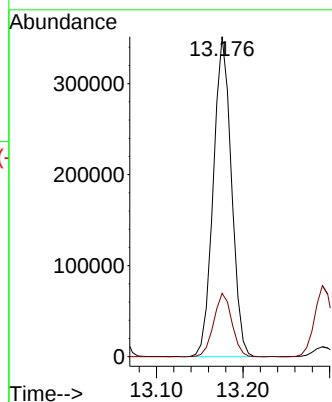
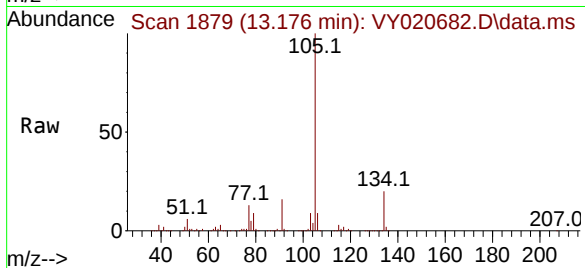
VSTDCCC050EC

Tgt Ion:105 Resp: 510662

Ion Ratio Lower Upper

105 100

134 19.9 10.0 30.0



#86

p-Isopropyltoluene

Concen: 47.333 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

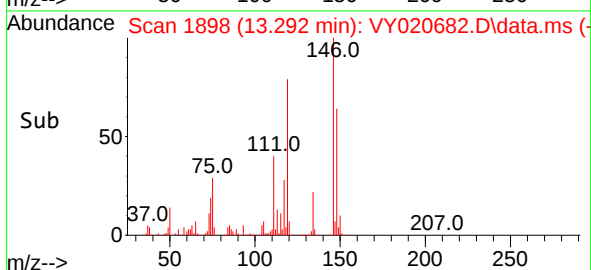
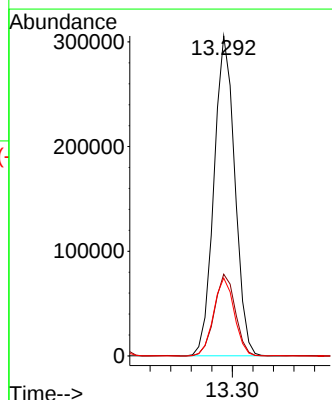
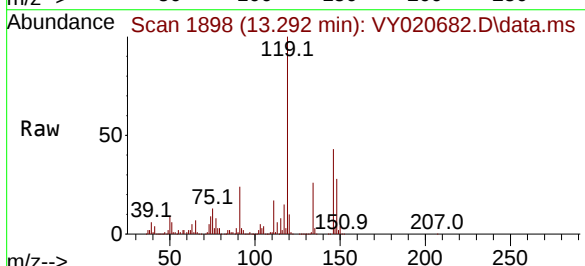
Tgt Ion:119 Resp: 429462

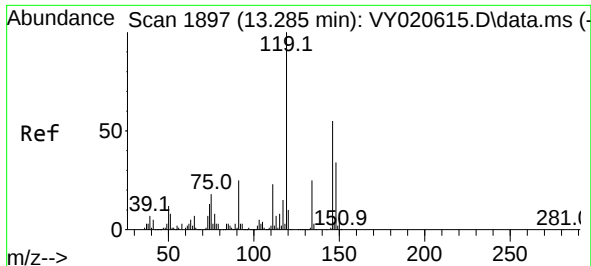
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 24.1 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 48.040 ug/l

RT: 13.286 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

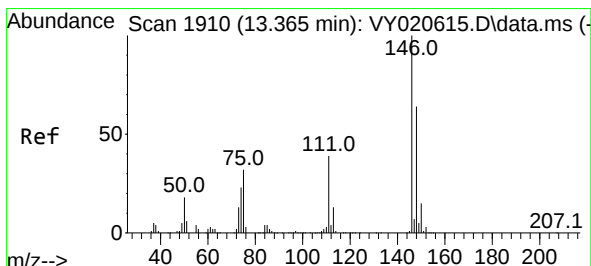
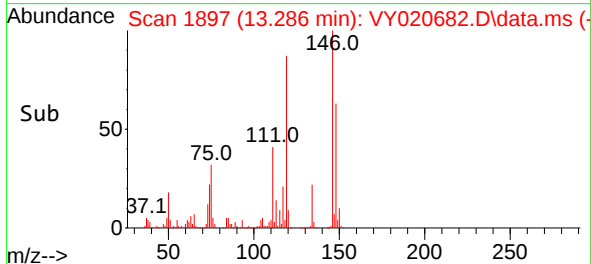
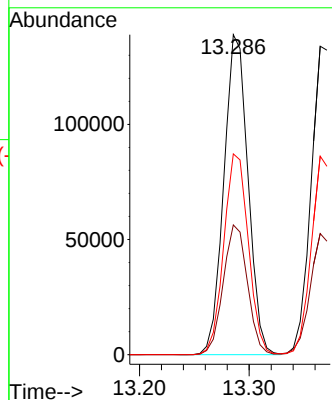
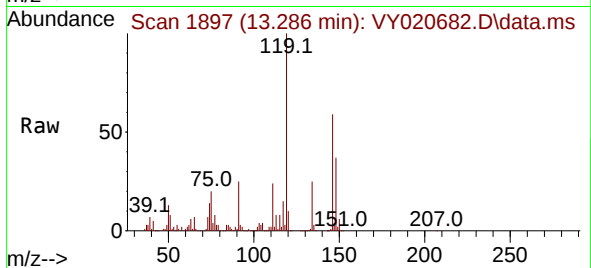
Tgt Ion:146 Resp: 212764

Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

148 63.8 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 47.998 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

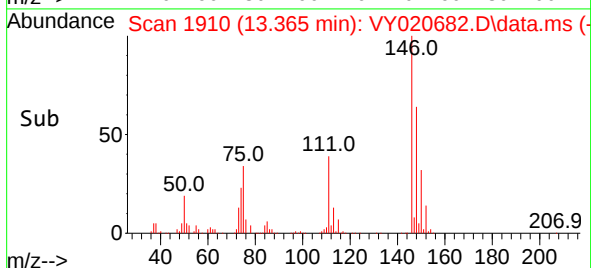
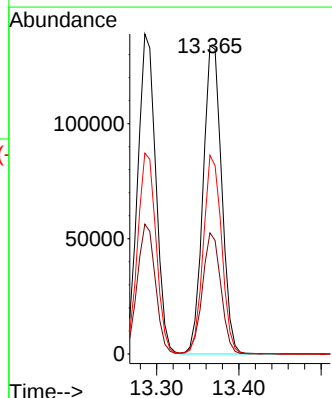
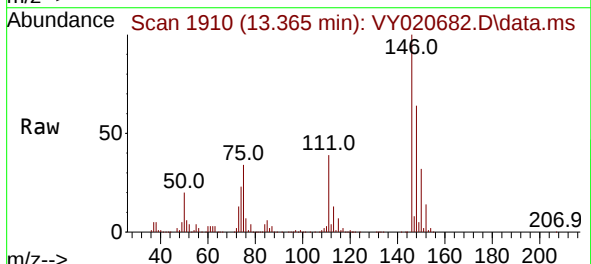
Tgt Ion:146 Resp: 210538

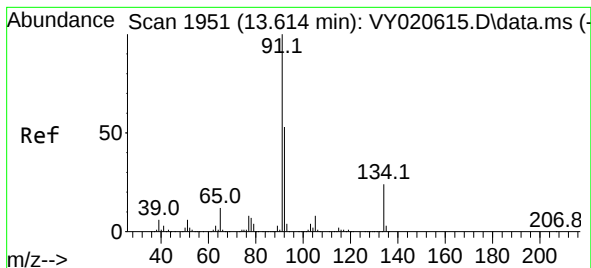
Ion Ratio Lower Upper

146 100

111 39.0 19.6 58.7

148 63.3 31.9 95.5





#89

n-Butylbenzene

Concen: 46.895 ug/l

RT: 13.621 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

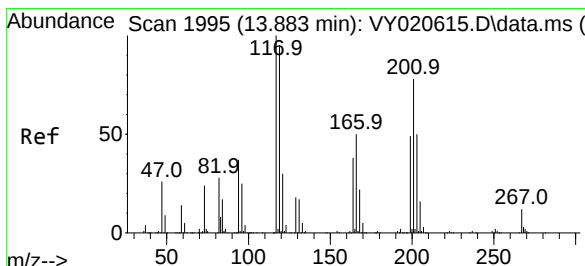
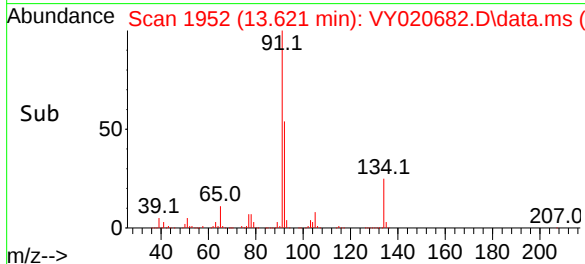
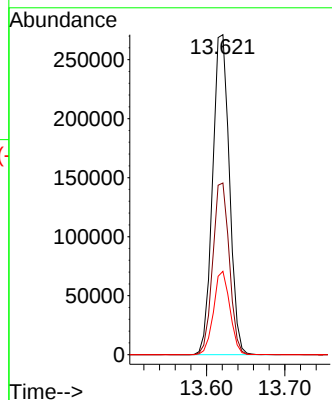
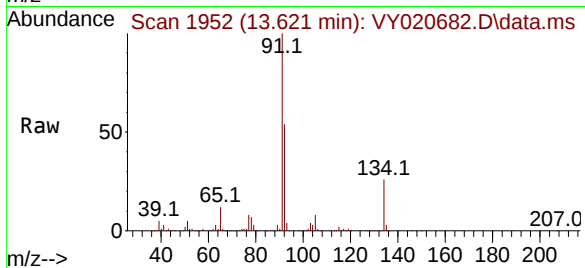
Tgt Ion: 91 Resp: 403246

Ion Ratio Lower Upper

91 100

92 52.9 26.8 80.4

134 25.4 12.5 37.5



#90

Hexachloroethane

Concen: 47.992 ug/l

RT: 13.883 min Scan# 1995

Delta R.T. 0.000 min

Lab File: VY020682.D

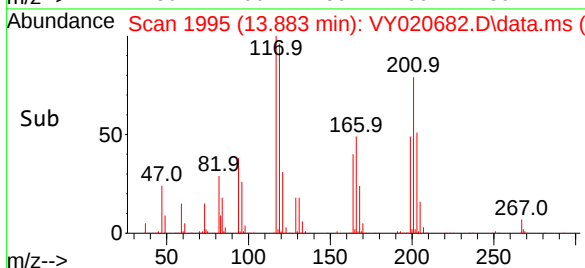
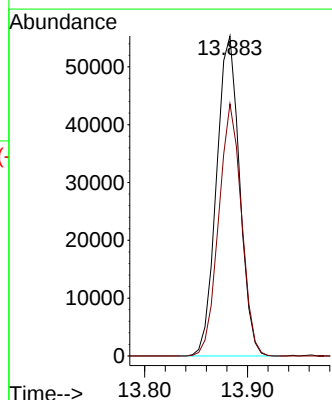
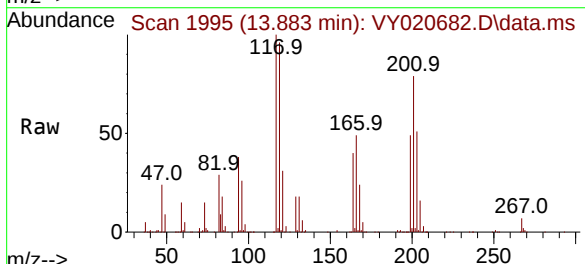
Acq: 20 Dec 2024 19:35

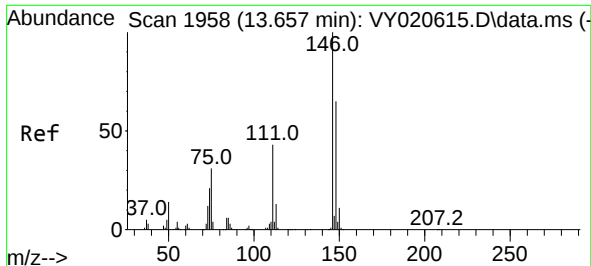
Tgt Ion: 117 Resp: 86293

Ion Ratio Lower Upper

117 100

201 77.5 39.1 117.3

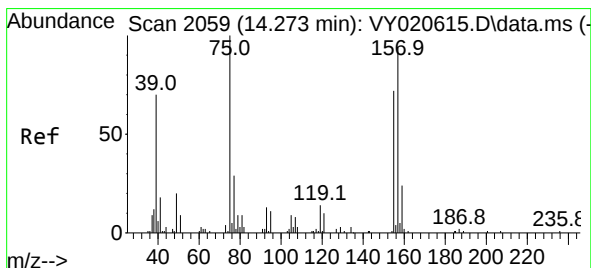
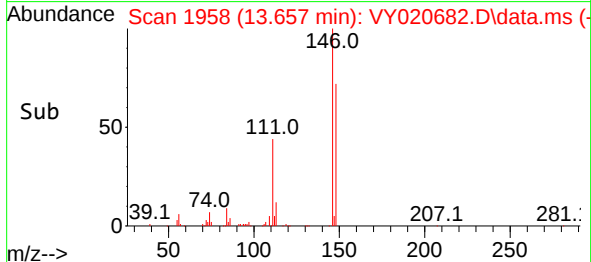
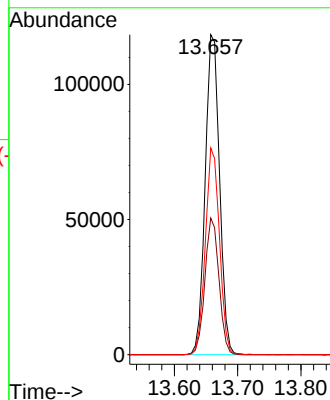
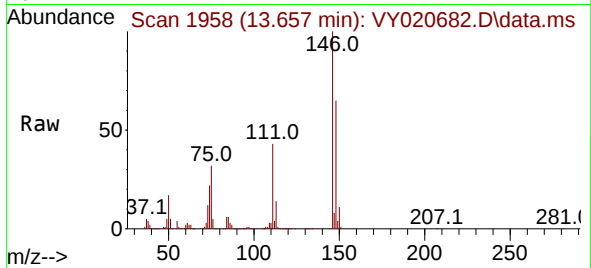




#91  
1,2-Dichlorobenzene  
Concen: 48.776 ug/l  
RT: 13.657 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

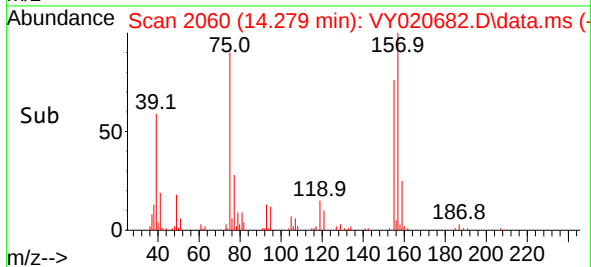
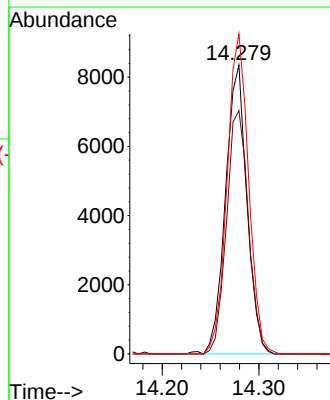
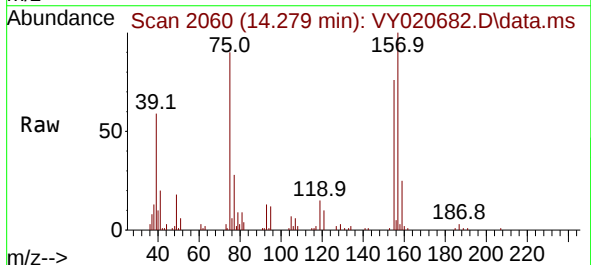
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

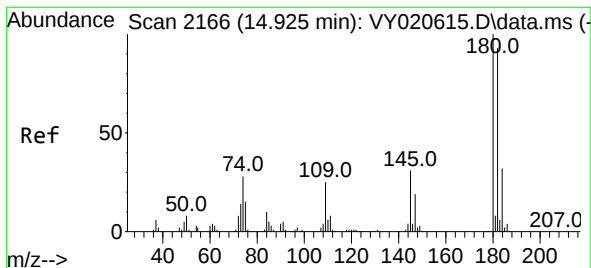
Tgt Ion:146 Resp: 187168  
Ion Ratio Lower Upper  
146 100  
111 41.9 21.3 63.7  
148 63.6 32.0 96.0



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 47.271 ug/l  
RT: 14.279 min Scan# 2060  
Delta R.T. 0.006 min  
Lab File: VY020682.D  
Acq: 20 Dec 2024 19:35

Tgt Ion: 75 Resp: 12831  
Ion Ratio Lower Upper  
75 100  
155 86.1 41.1 123.3  
157 111.1 52.9 158.8





#93

1,2,4-Trichlorobenzene

Concen: 47.858 ug/l

RT: 14.925 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

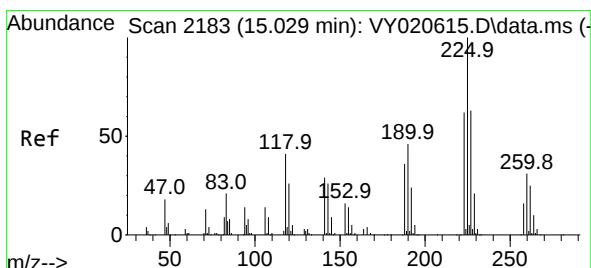
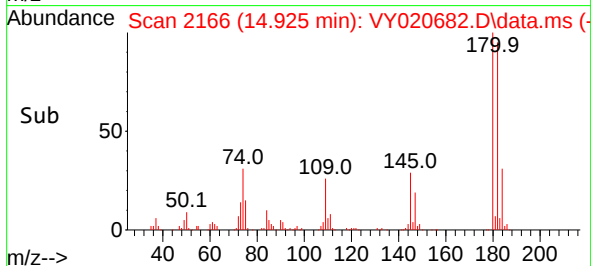
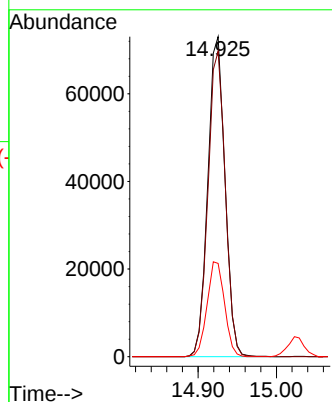
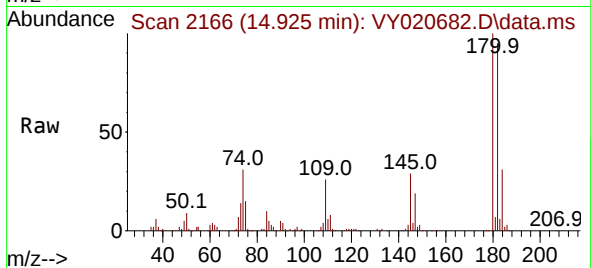
Tgt Ion:180 Resp: 111082

Ion Ratio Lower Upper

180 100

182 96.2 47.9 143.6

145 30.1 15.6 46.7



#94

Hexachlorobutadiene

Concen: 48.301 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

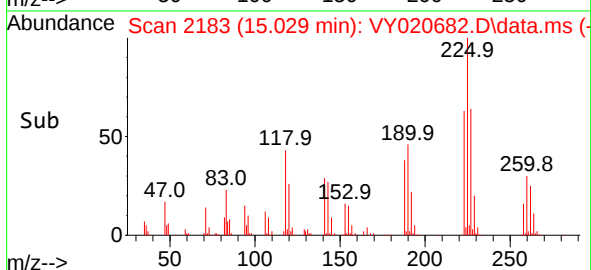
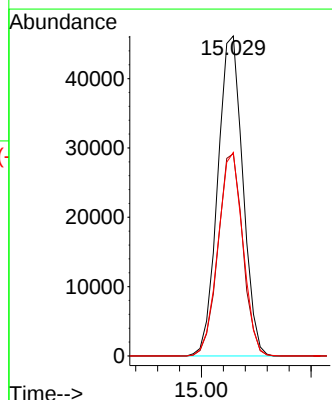
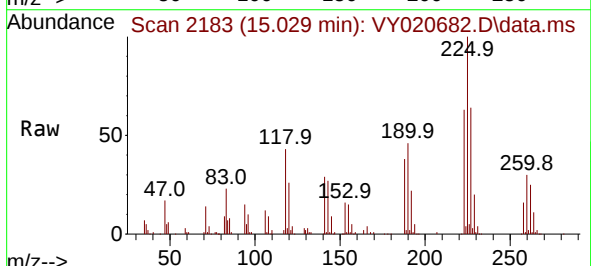
Tgt Ion:225 Resp: 73289

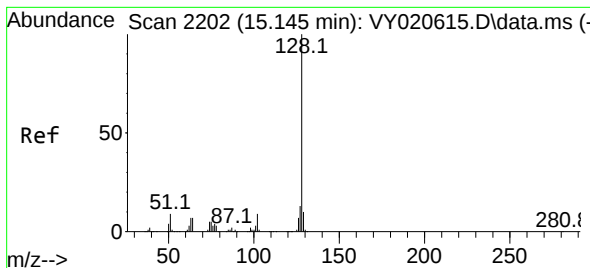
Ion Ratio Lower Upper

225 100

223 62.4 31.8 95.3

227 63.0 32.2 96.6





#95

Naphthalene

Concen: 50.583 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

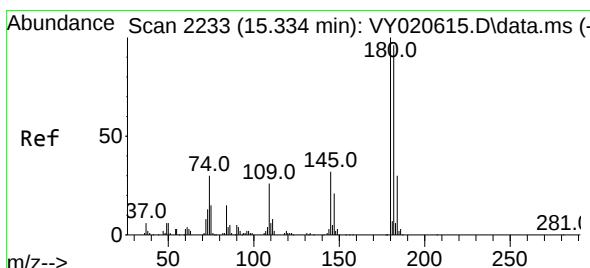
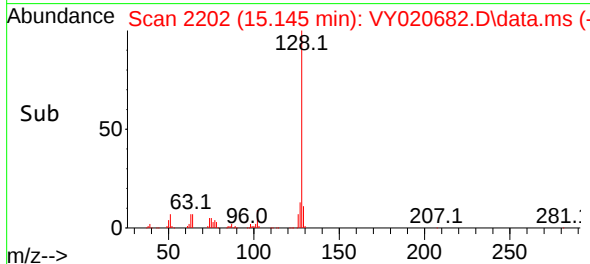
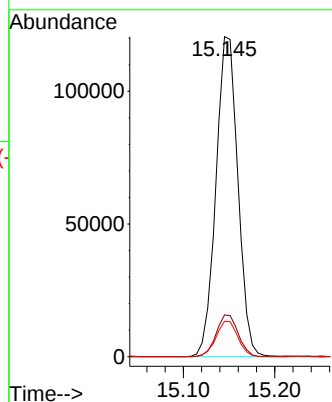
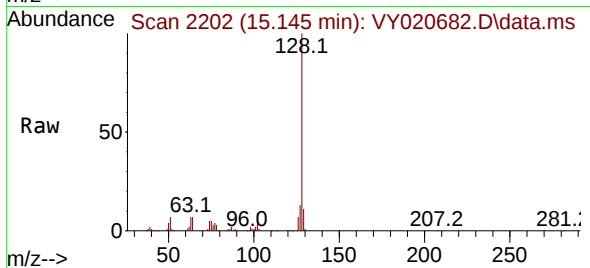
Tgt Ion:128 Resp: 201284

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

129 11.1 8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 48.917 ug/l

RT: 15.334 min Scan# 2233

Delta R.T. 0.000 min

Lab File: VY020682.D

Acq: 20 Dec 2024 19:35

Tgt Ion:180 Resp: 95931

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.9

145 32.1 16.0 48.0

