

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY052022\  
 Data File : VY008935.D  
 Acq On : 21 May 2022 04:22  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: May 21 04:54:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.789  | 168   | 125164   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.691  | 114   | 219346   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.490 | 117   | 222133   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.428 | 152   | 139146   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.143  | 65    | 75416    | 58.545   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 117.100% |
| 35) Dibromofluoromethane     | 7.716  | 113   | 71572    | 52.473   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 104.940% |
| 50) Toluene-d8               | 10.179 | 98    | 299982   | 59.616   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 119.240% |
| 62) 4-Bromofluorobenzene     | 12.483 | 95    | 112624   | 55.484   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 110.960% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.906  | 85    | 35276    | 30.815   | ug/l   | 100      |
| 3) Chloromethane             | 2.113  | 50    | 63300    | 38.597   | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.247  | 62    | 90171    | 37.111   | ug/l   | 94       |
| 5) Bromomethane              | 2.644  | 94    | 91596    | 38.457   | ug/l   | 100      |
| 6) Chloroethane              | 2.790  | 64    | 69268    | 40.241   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 83279    | 40.360   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.528  | 74    | 29213    | 45.277   | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... | 3.893  | 101   | 52478    | 41.381   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.095  | 142   | 42885    | 32.749   | ug/l   | 92       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 26416    | 202.170  | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.869  | 96    | 48166    | 40.914   | ug/l   | 80       |
| 13) Acrolein                 | 3.729  | 56    | 5499     | 127.859  | ug/l   | 97       |
| 14) Allyl chloride           | 4.479  | 41    | 73438    | 41.393   | ug/l # | 85       |
| 15) Acrylonitrile            | 5.161  | 53    | 82038    | 227.092  | ug/l   | 97       |
| 16) Acetone                  | 3.942  | 43    | 58250    | 217.236  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.192  | 76    | 127933   | 33.263   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.472  | 43    | 38694    | 46.341   | ug/l # | 90       |
| 19) Methyl tert-butyl Ether  | 5.222  | 73    | 163952   | 46.399   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.716  | 84    | 70799    | 46.736   | ug/l   | 88       |
| 21) trans-1,2-Dichloroethene | 5.222  | 96    | 61843    | 40.927   | ug/l   | 84       |
| 22) Diisopropyl ether        | 6.119  | 45    | 199591   | 46.826   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.058  | 43    | 647510   | 229.656  | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.015  | 63    | 116716   | 45.782   | ug/l   | 99       |
| 25) 2-Butanone               | 6.984  | 43    | 106871   | 223.146  | ug/l # | 87       |
| 26) 2,2-Dichloropropane      | 6.978  | 77    | 93895    | 39.982   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 6.984  | 96    | 77791    | 45.669   | ug/l   | 87       |
| 28) Bromochloromethane       | 7.332  | 49    | 47211    | 53.953   | ug/l # | 85       |
| 29) Tetrahydrofuran          | 7.344  | 42    | 72922    | 224.150  | ug/l # | 86       |
| 30) Chloroform               | 7.509  | 83    | 129202   | 46.949   | ug/l   | 98       |
| 31) Cyclohexane              | 7.783  | 56    | 94093    | 37.337   | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 7.704  | 97    | 112508   | 45.063   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.917  | 75    | 90297    | 38.900   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.076  | 43    | 48868    | 40.585   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.899  | 117   | 99071    | 40.800   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.185  | 83    | 112957   | 37.700   | ug/l # | 84       |
| 40) Benzene                  | 8.155  | 78    | 282136   | 42.151   | ug/l   | 96       |

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 ALS Vial : 28 Sample Multiplier: 1

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 MSVOA\_Y  
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Quant Time: May 21 04:54:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.344  | 41   | 69864    | 112.440 | ug/l # | 19       |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 87027    | 44.277  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.271  | 43   | 101192   | 45.197  | ug/l # | 93       |
| 44) Trichloroethene           | 8.941  | 130  | 73250    | 41.330  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.216  | 63   | 73187    | 45.536  | ug/l   | 93       |
| 46) Dibromomethane            | 9.307  | 93   | 44610    | 43.651  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.496  | 83   | 107505   | 46.029  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.289  | 41   | 44414    | 44.426  | ug/l # | 81       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 11364    | 831.835 | ug/l # | 82       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 281164   | 226.914 | ug/l   | 90       |
| 52) Toluene                   | 10.240 | 92   | 207085   | 44.270  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 110371   | 44.500  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.929  | 75   | 116611   | 43.735  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 66550    | 46.546  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 85675    | 46.869  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 107634   | 46.149  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.783  | 63   | 198373   | 250.841 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 197531   | 232.838 | ug/l   | 88       |
| 60) Dibromochloromethane      | 10.983 | 129  | 80815    | 46.628  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 62270    | 43.951  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.721 | 164  | 64097    | 39.644  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.514 | 112  | 224602   | 44.053  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 86455    | 46.310  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.593 | 91   | 408004   | 44.406  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.703 | 106  | 337634   | 90.520  | ug/l   | 92       |
| 69) o-Xylene                  | 12.032 | 106  | 162724   | 46.980  | ug/l   | 90       |
| 70) Styrene                   | 12.044 | 104  | 283051   | 47.519  | ug/l   | 95       |
| 71) Bromoform                 | 12.209 | 173  | 57792    | 46.698  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.331 | 105  | 433587   | 41.673  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.142 | 43   | 106034   | 44.171  | ug/l # | 87       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 90978    | 42.448  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.630 | 75   | 111518   | 74.631  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 100590   | 41.706  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.672 | 91   | 535542   | 44.551  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.758 | 91   | 299612   | 43.210  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 382935   | 43.910  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.380 | 75   | 27839    | 38.239  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 332878   | 44.884  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.075 | 119  | 343201   | 44.358  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 386591   | 44.655  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 532481   | 44.982  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 433506   | 43.915  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 223941   | 43.527  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 228471   | 44.201  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 392068   | 43.414  | ug/l   | 100      |
| 90) Hexachloroethane          | 13.959 | 117  | 83567    | 45.173  | ug/l   | 84       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 206866   | 45.549  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 13639    | 40.988  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 101711   | 40.807  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 56567    | 41.640  | ug/l   | 99       |
| 95) Naphthalene               | 15.239 | 128  | 217524   | 43.443  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.428 | 180  | 89958    | 41.533  | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 28 Sample Multiplier: 1

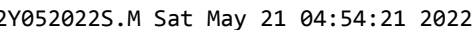
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

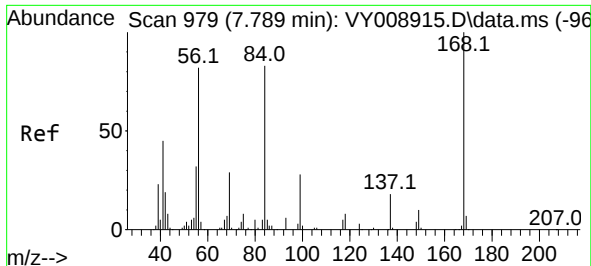
Quant Time: May 21 04:54:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
Quant Title : SW846 8260  
QLast Update : Fri May 20 23:50:52 2022  
Response via : Initial Calibration

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

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

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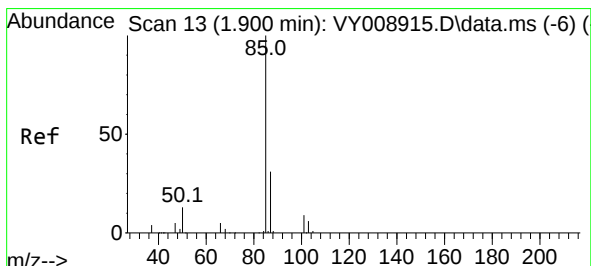
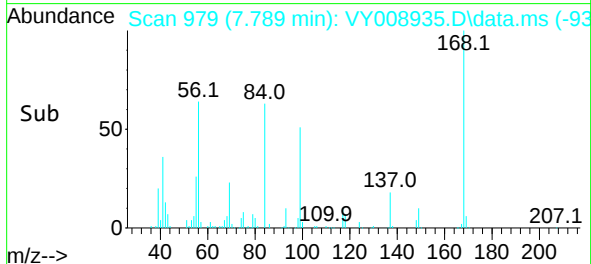
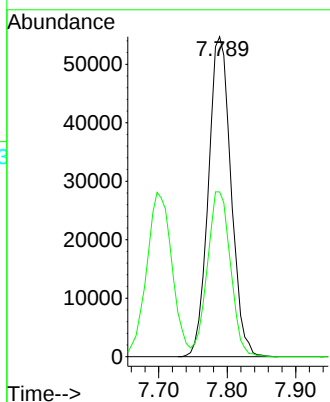
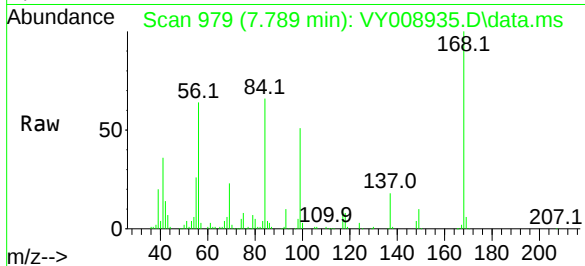




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

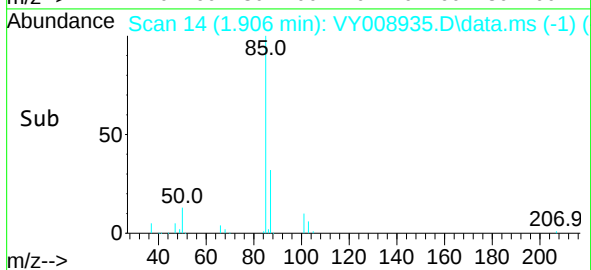
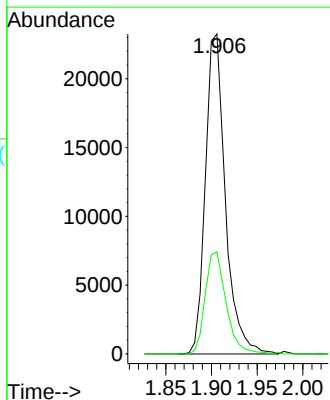
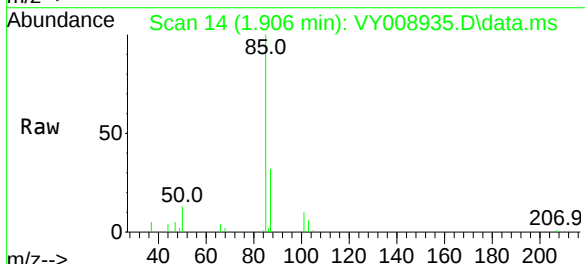
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

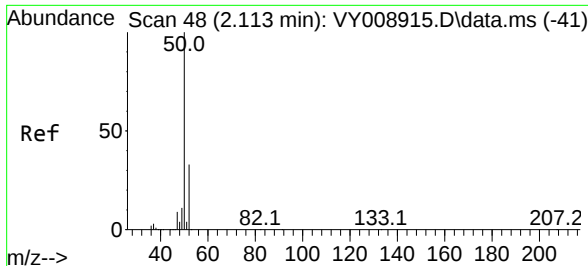
Tgt Ion:168 Resp: 125164  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 30.815 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 85 Resp: 35276  
Ion Ratio Lower Upper  
85 100  
87 31.9 16.1 48.2

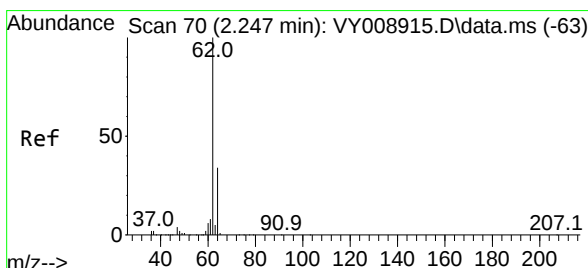
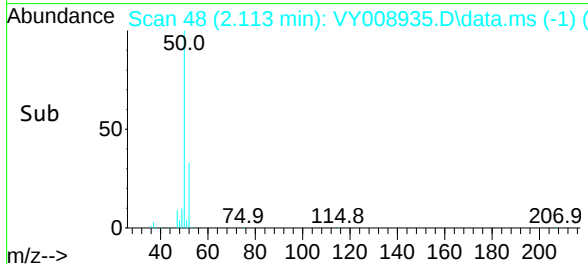
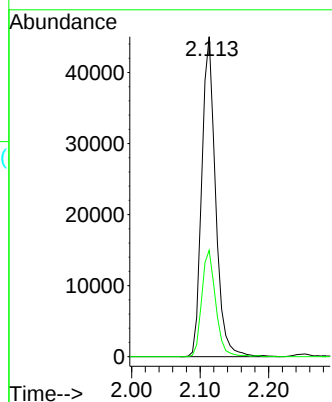
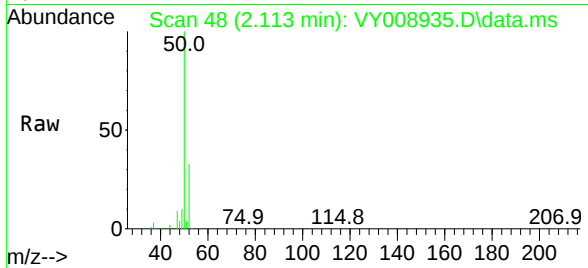




#3  
Chloromethane  
Concen: 38.597 ug/l  
RT: 2.113 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

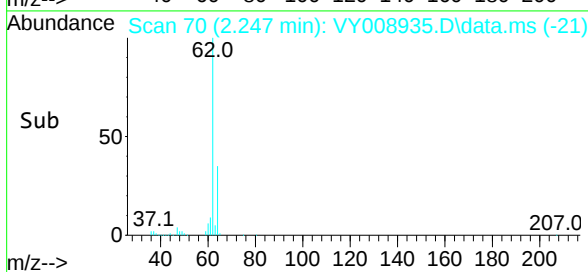
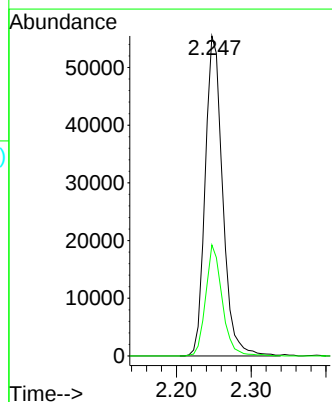
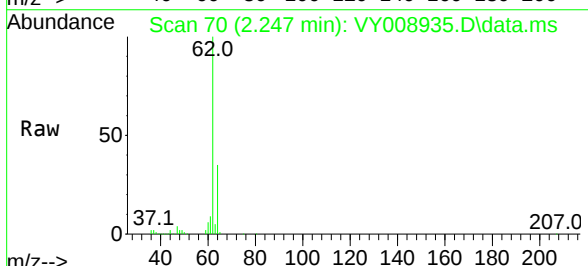
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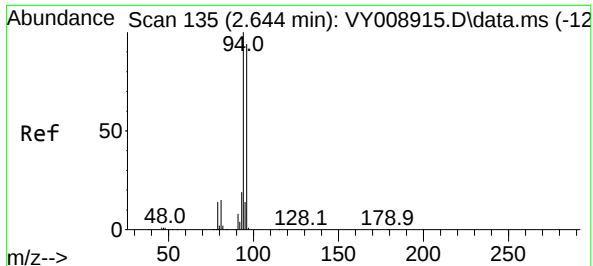
Tgt Ion: 50 Resp: 63300  
Ion Ratio Lower Upper  
50 100  
52 33.2 24.6 37.0



#4  
Vinyl Chloride  
Concen: 37.111 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 62 Resp: 90171  
Ion Ratio Lower Upper  
62 100  
64 34.7 25.0 37.6

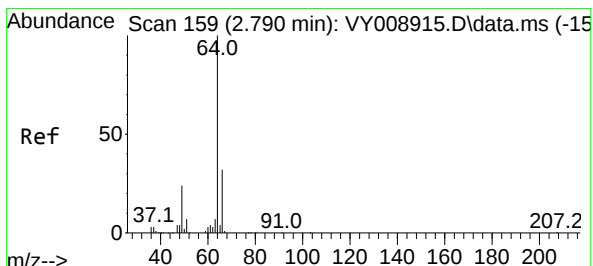
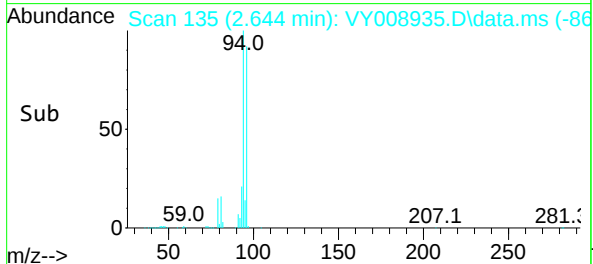
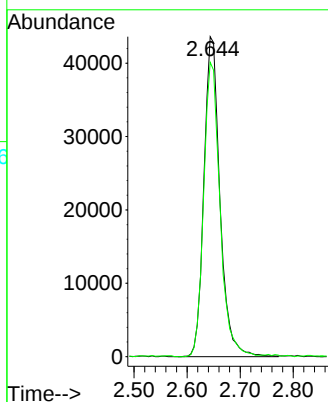
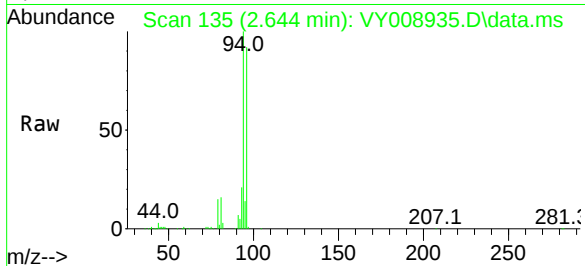




#5  
Bromomethane  
Concen: 38.457 ug/l  
RT: 2.644 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

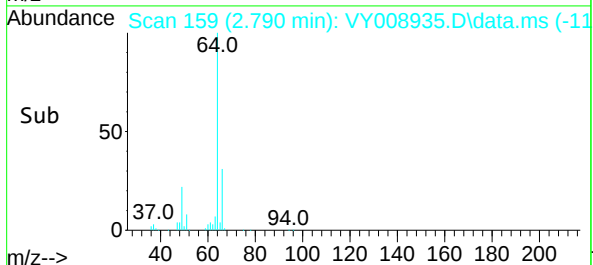
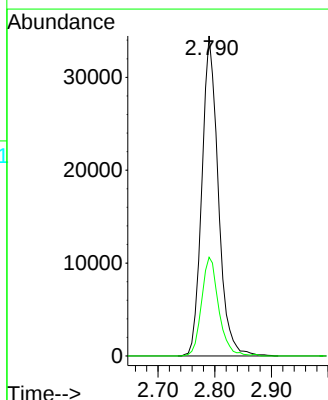
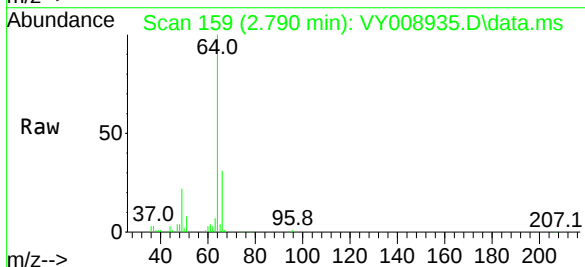
Instrument :  
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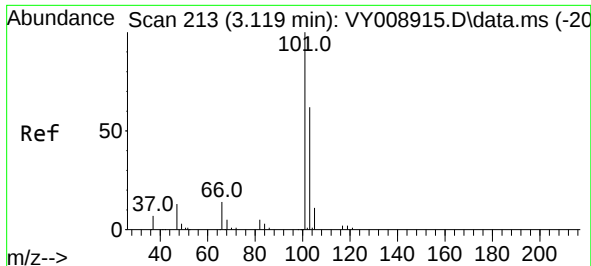
Tgt Ion: 94 Resp: 91596  
Ion Ratio Lower Upper  
94 100  
96 92.0 73.5 110.3



#6  
Chloroethane  
Concen: 40.241 ug/l  
RT: 2.790 min Scan# 159  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 64 Resp: 69268  
Ion Ratio Lower Upper  
64 100  
66 30.8 25.4 38.0

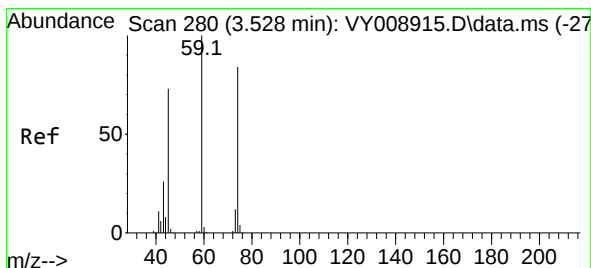
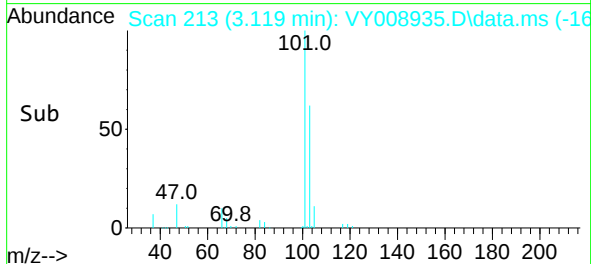
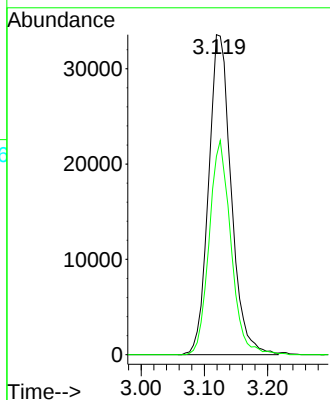
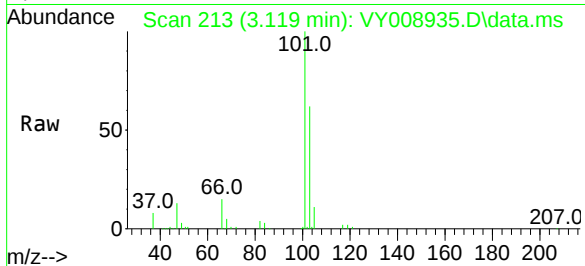




#7  
 Trichlorofluoromethane  
 Concen: 40.360 ug/l  
 RT: 3.119 min Scan# 213  
 Delta R.T. 0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

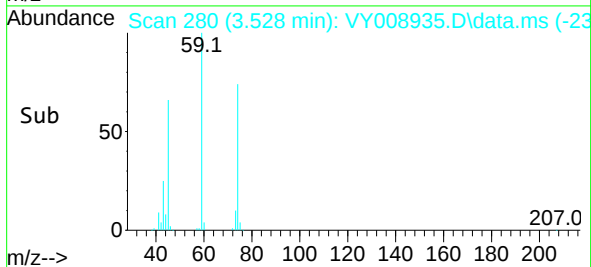
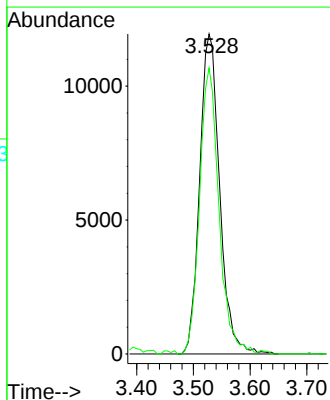
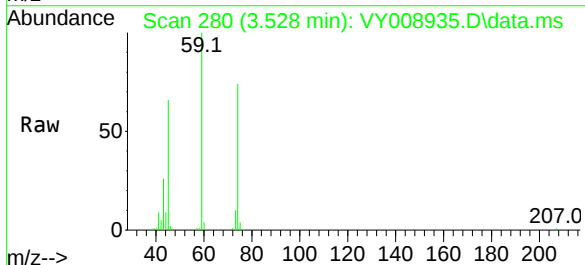
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

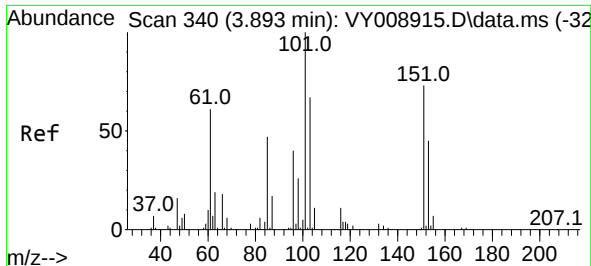
Tgt Ion:101 Resp: 83279  
 Ion Ratio Lower Upper  
 101 100  
 103 62.0 48.0 72.0



#8  
 Diethyl Ether  
 Concen: 45.277 ug/l  
 RT: 3.528 min Scan# 280  
 Delta R.T. -0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

Tgt Ion: 74 Resp: 29213  
 Ion Ratio Lower Upper  
 74 100  
 45 86.7 55.1 165.5

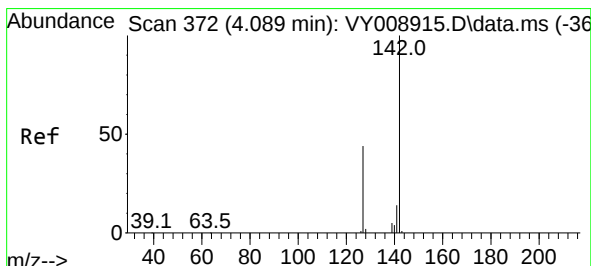
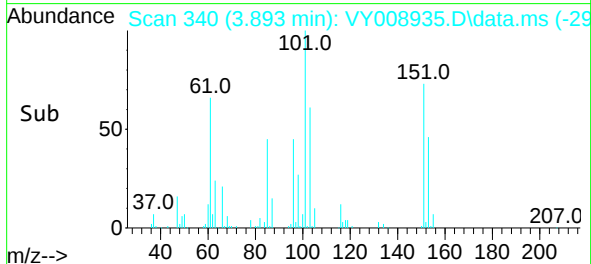
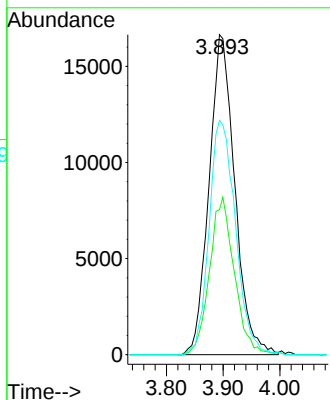
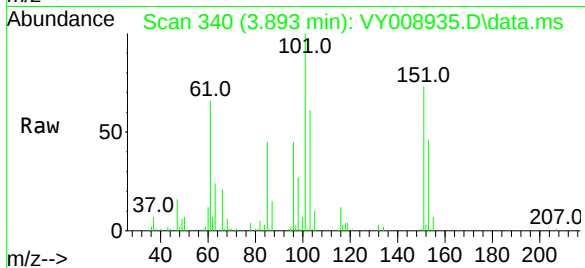




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 41.381 ug/l  
RT: 3.893 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

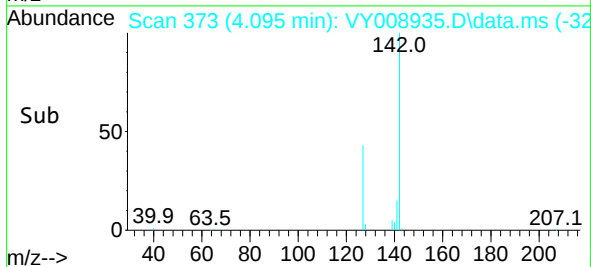
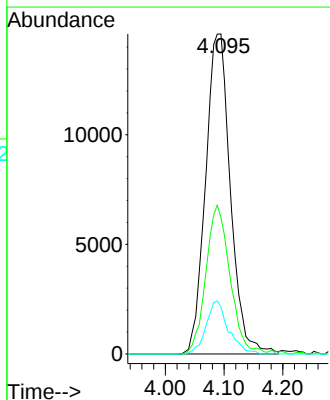
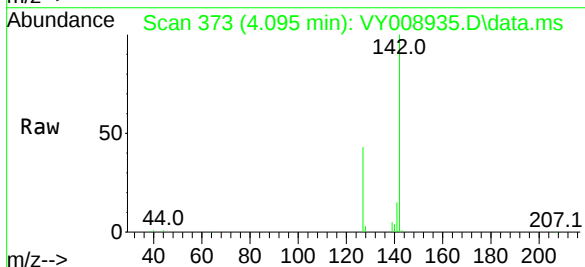
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

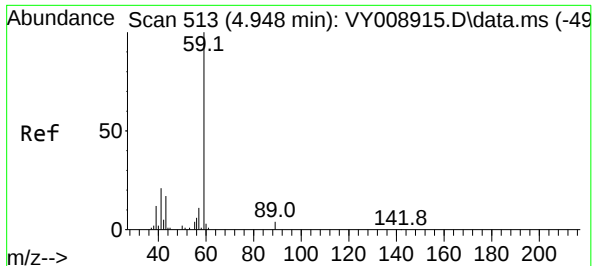
Tgt Ion:101 Resp: 52478  
Ion Ratio Lower Upper  
101 100  
85 47.3 40.6 60.8  
151 75.5 64.9 97.3



#10  
Methyl Iodide  
Concen: 32.749 ug/l  
RT: 4.095 min Scan# 373  
Delta R.T. 0.005 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion:142 Resp: 42885  
Ion Ratio Lower Upper  
142 100  
127 45.0 41.5 62.3  
141 14.9 11.9 17.9

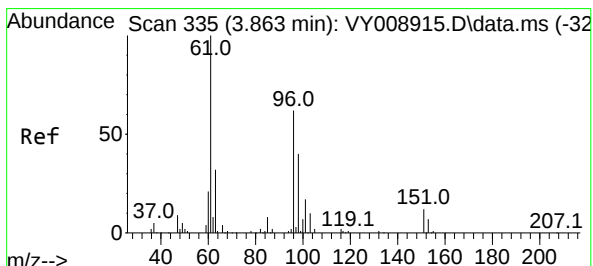
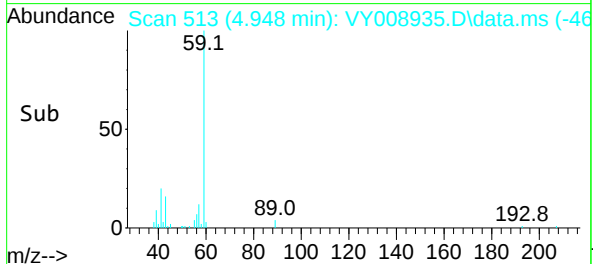
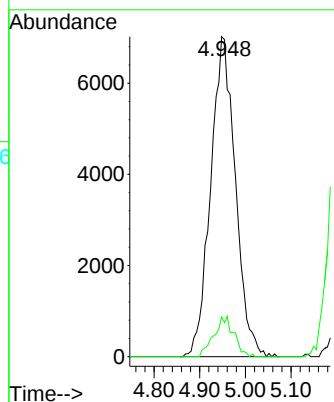
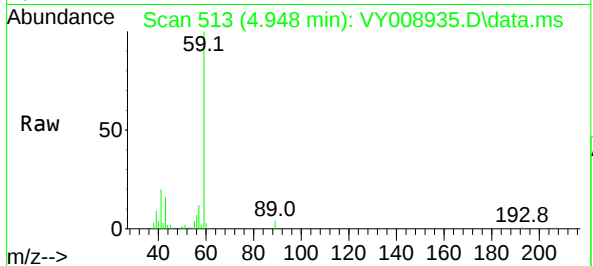




#11  
Tert butyl alcohol  
Concen: 202.170 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

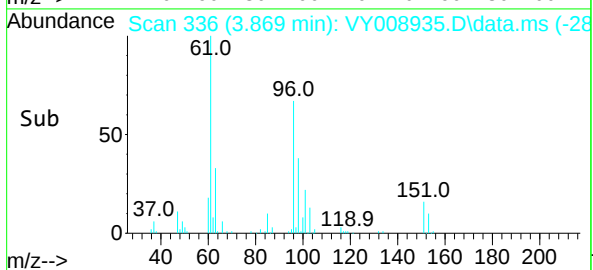
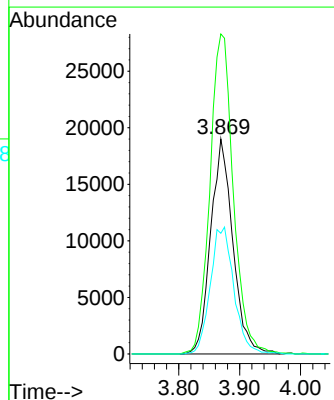
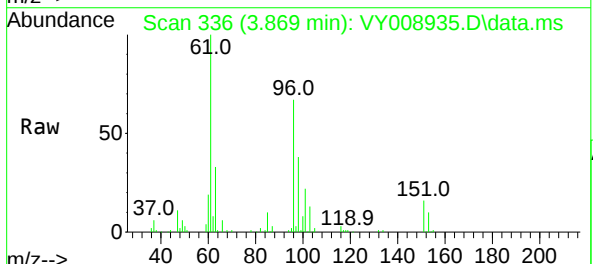
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

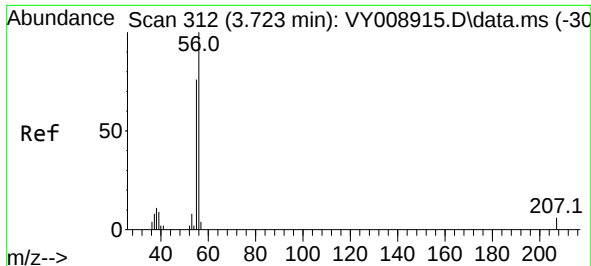
Tgt Ion: 59 Resp: 26416  
Ion Ratio Lower Upper  
59 100  
57 10.1 6.4 9.6#



#12  
1,1-Dichloroethene  
Concen: 40.914 ug/l  
RT: 3.869 min Scan# 336  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 96 Resp: 48166  
Ion Ratio Lower Upper  
96 100  
61 148.8 145.8 218.6  
98 56.1 52.5 78.7

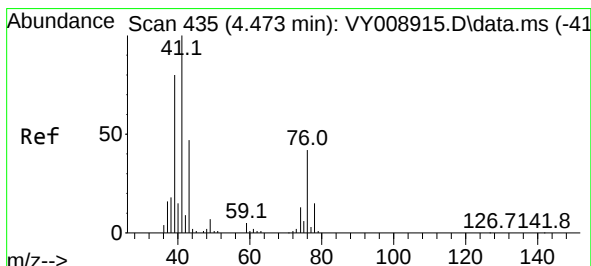
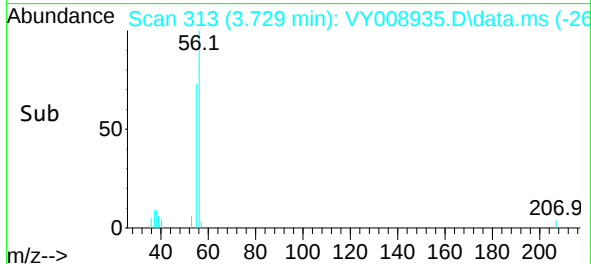
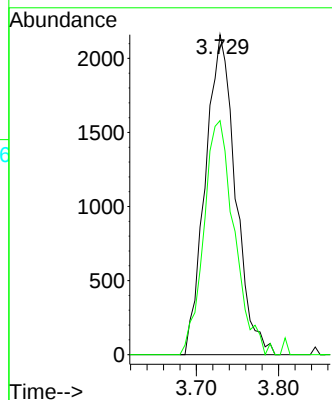
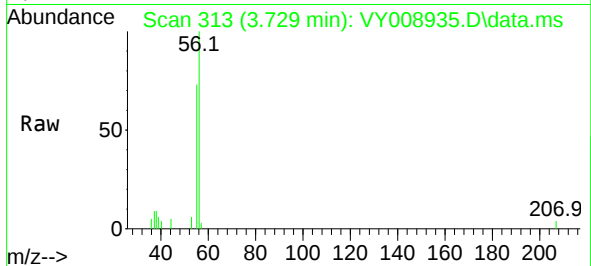




#13  
Acrolein  
Concen: 127.859 ug/l  
RT: 3.729 min Scan# 312  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

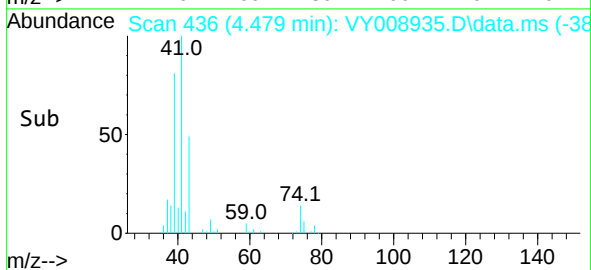
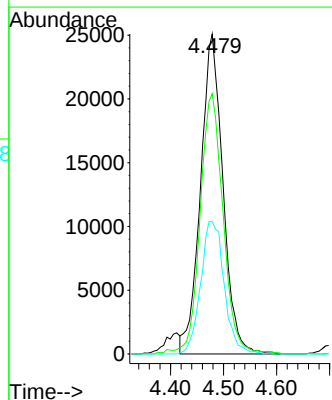
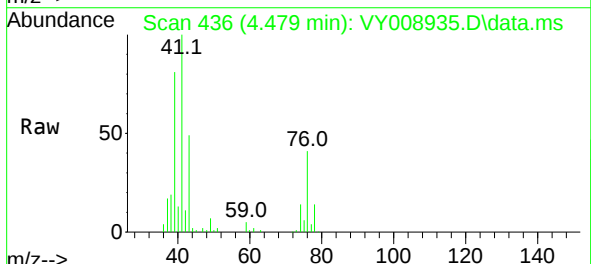
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

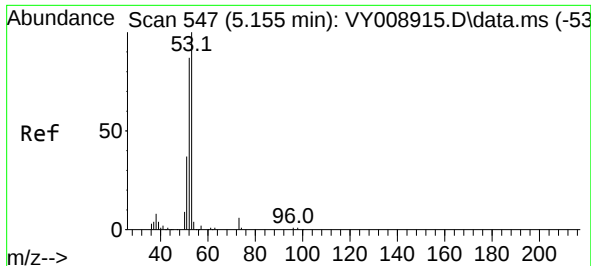
Tgt Ion: 56 Resp: 5499  
Ion Ratio Lower Upper  
56 100  
55 74.3 57.6 86.4



#14  
Allyl chloride  
Concen: 41.393 ug/l  
RT: 4.479 min Scan# 436  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 41 Resp: 73438  
Ion Ratio Lower Upper  
41 100  
39 84.0 58.8 88.2  
76 43.6 25.1 37.7#

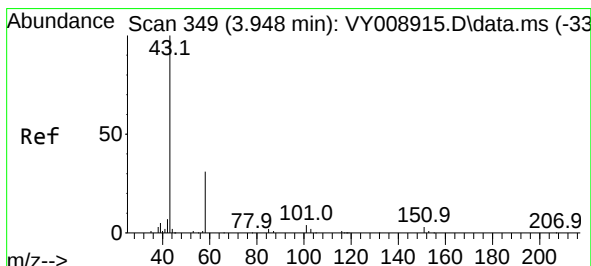
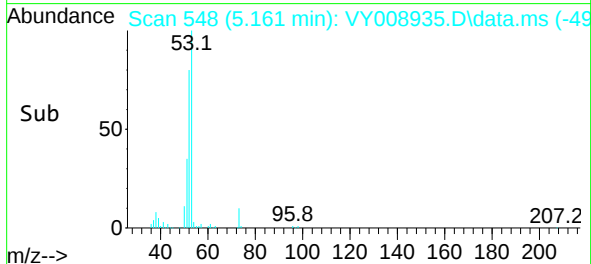
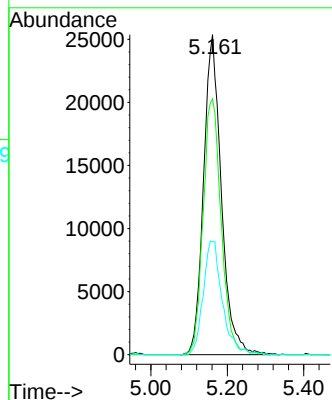
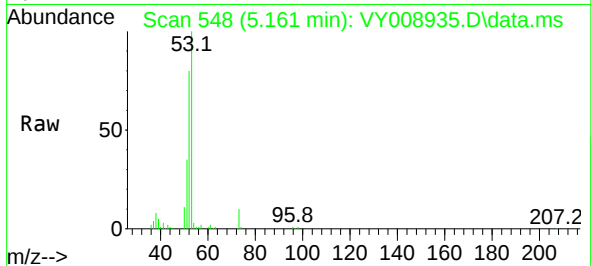




#15  
Acrylonitrile  
Concen: 227.092 ug/l  
RT: 5.161 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

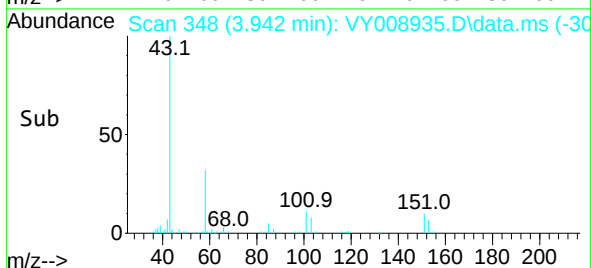
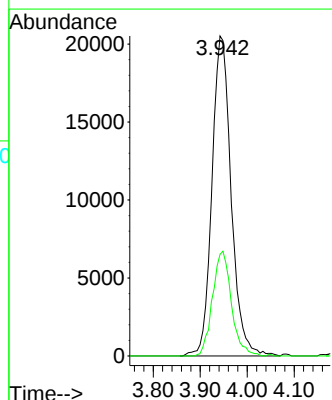
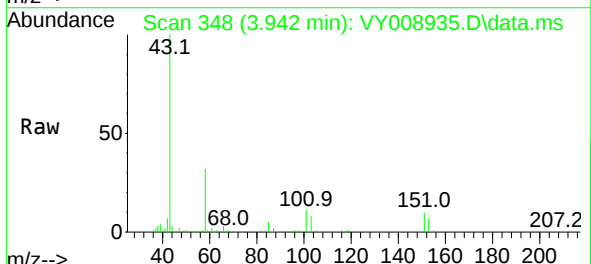
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

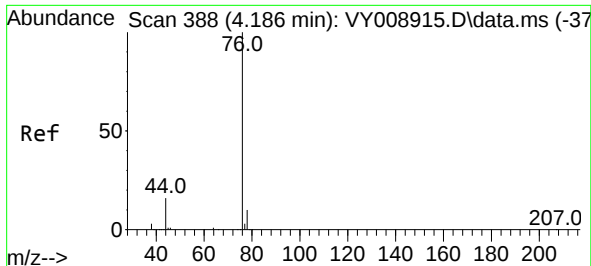
Tgt Ion: 53 Resp: 82038  
Ion Ratio Lower Upper  
53 100  
52 81.0 67.0 100.4  
51 38.1 29.8 44.6



#16  
Acetone  
Concen: 217.236 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 43 Resp: 58250  
Ion Ratio Lower Upper  
43 100  
58 31.7 22.0 33.0

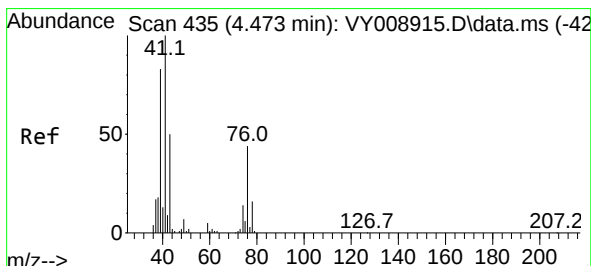
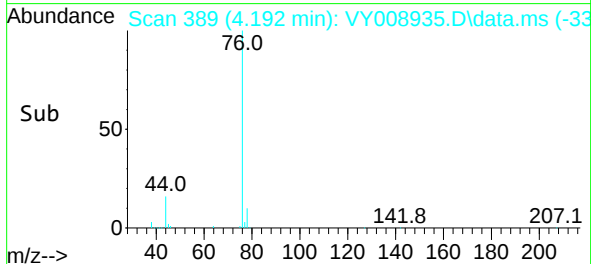
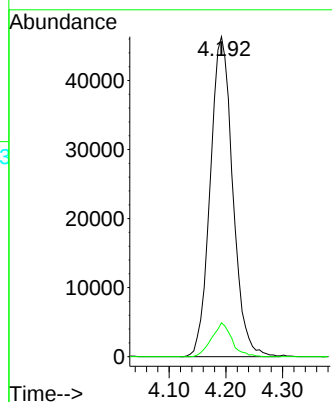
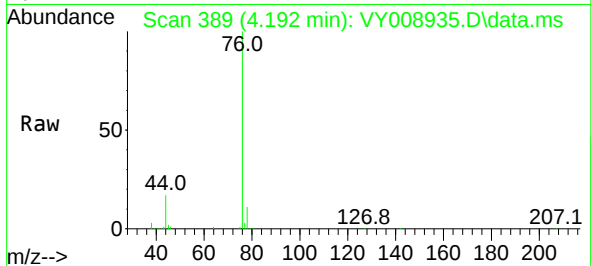




#17  
Carbon Disulfide  
Concen: 33.263 ug/l  
RT: 4.192 min Scan# 389  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

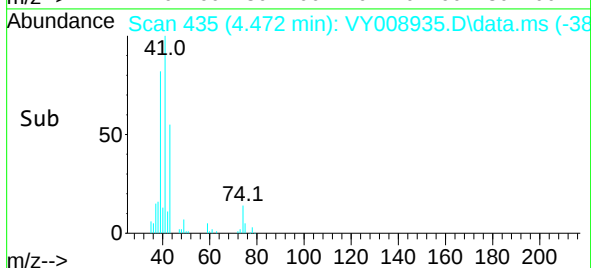
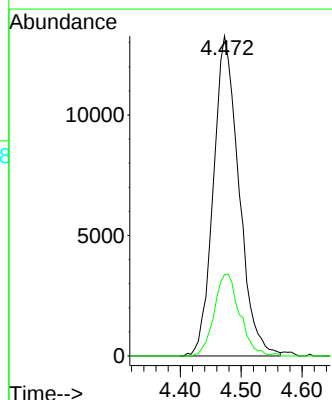
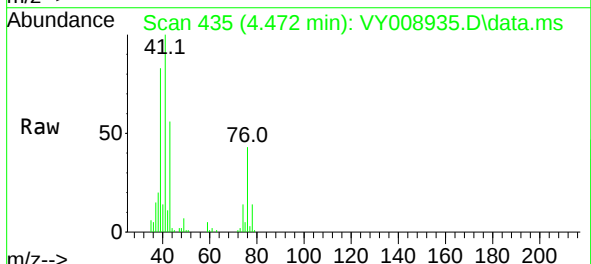
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 127933  
Ion Ratio Lower Upper  
76 100  
78 10.6 7.4 11.0



#18  
Methyl Acetate  
Concen: 46.341 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. -0.001 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 43 Resp: 38694  
Ion Ratio Lower Upper  
43 100  
74 25.5 16.6 24.8#

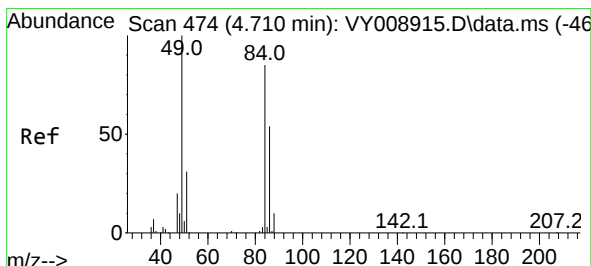
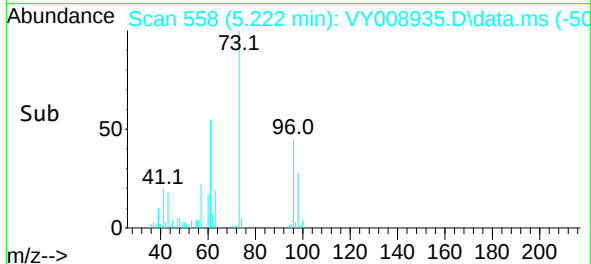
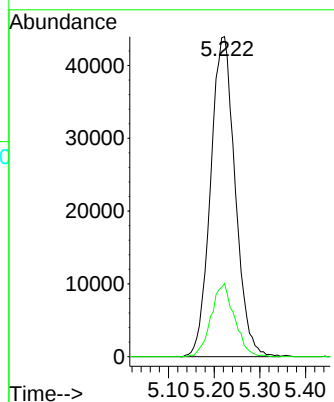
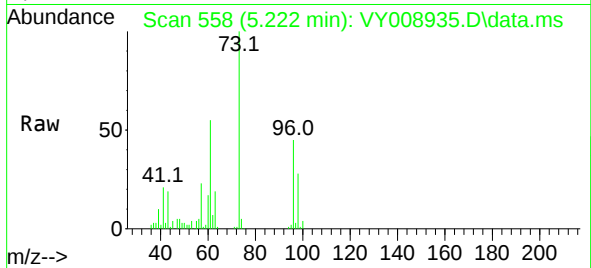




#19  
Methyl tert-butyl Ether  
Concen: 46.399 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

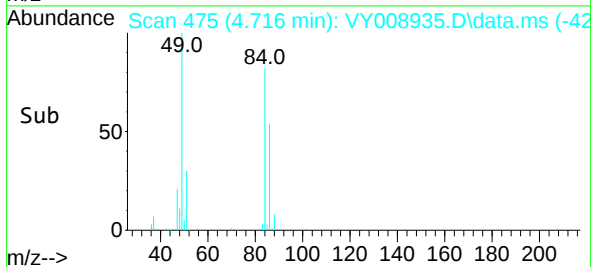
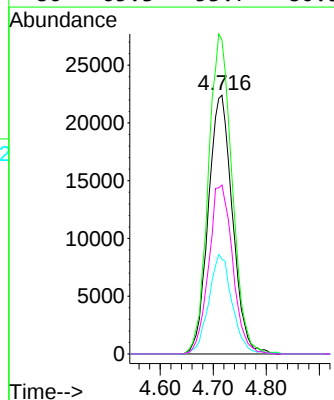
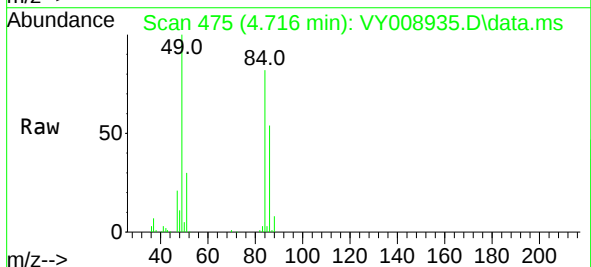
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 73 Resp: 163952  
Ion Ratio Lower Upper  
73 100  
57 22.8 18.6 27.8



#20  
Methylene Chloride  
Concen: 46.736 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 84 Resp: 70799  
Ion Ratio Lower Upper  
84 100  
49 121.3 114.4 171.6  
51 36.7 35.3 52.9  
86 65.3 53.7 80.5

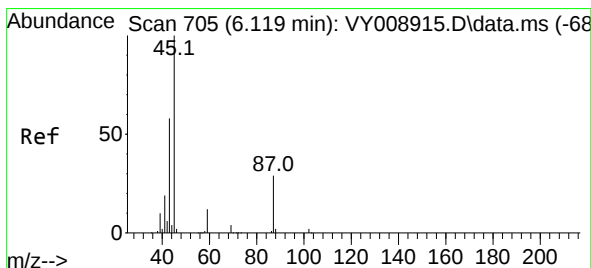
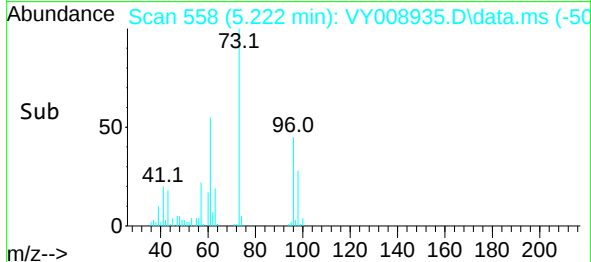
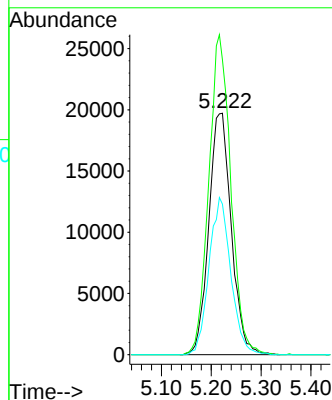
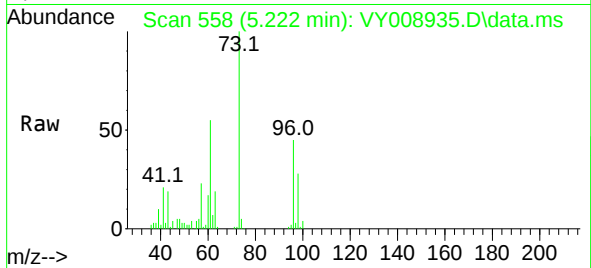




#21  
trans-1,2-Dichloroethene  
Concen: 40.927 ug/l  
RT: 5.222 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

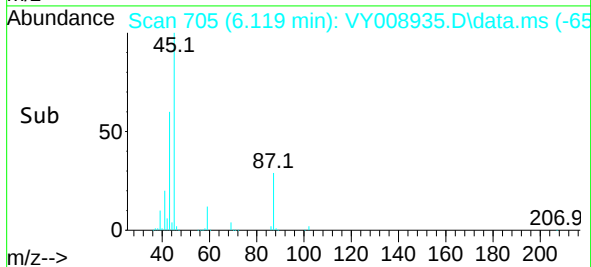
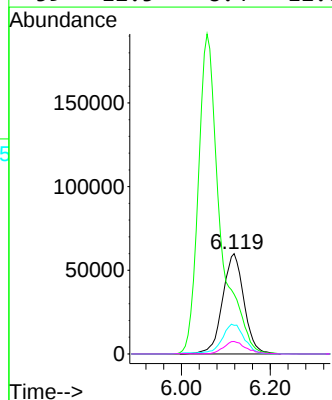
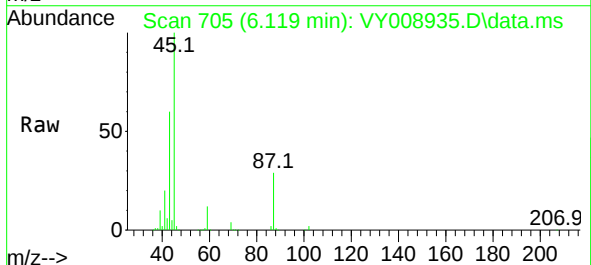
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

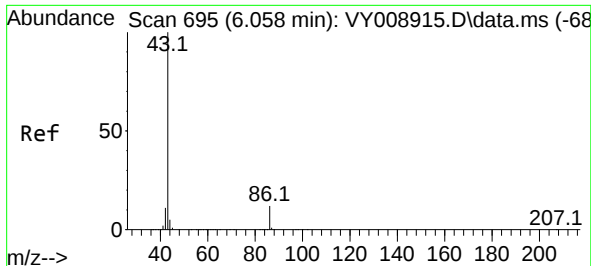
Tgt Ion: 96 Resp: 61843  
Ion Ratio Lower Upper  
96 100  
61 122.1 120.5 180.7  
98 62.4 49.8 74.8



#22  
Diisopropyl ether  
Concen: 46.826 ug/l  
RT: 6.119 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 45 Resp: 199591  
Ion Ratio Lower Upper  
45 100  
43 59.1 49.3 73.9  
87 28.5 19.2 28.8  
59 12.5 8.4 12.6

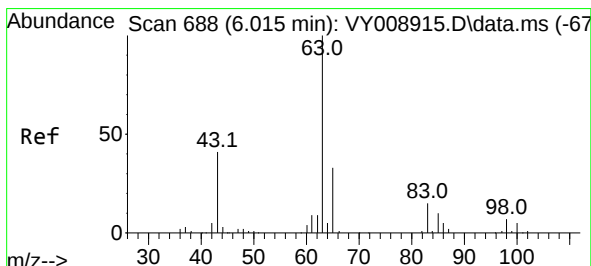
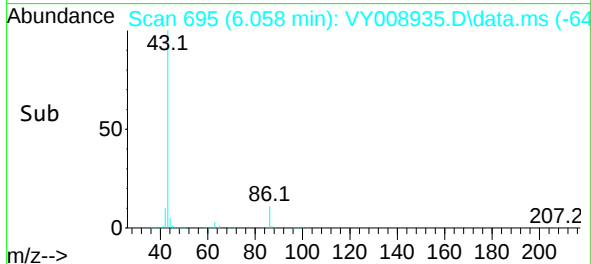
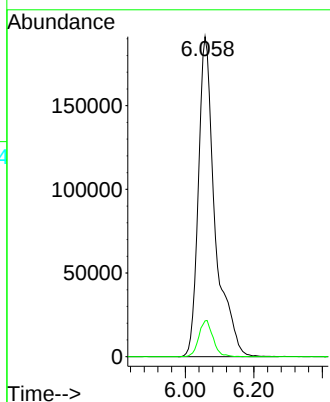
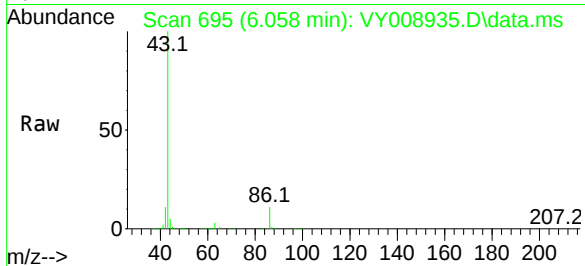




#23  
 Vinyl Acetate  
 Concen: 229.656 ug/l  
 RT: 6.058 min Scan# 695  
 Delta R.T. -0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

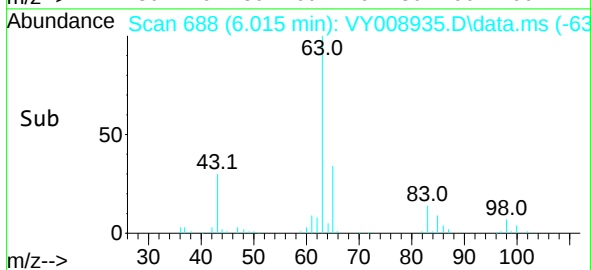
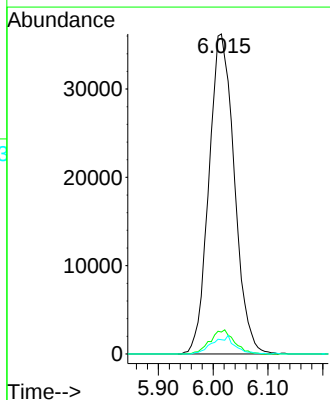
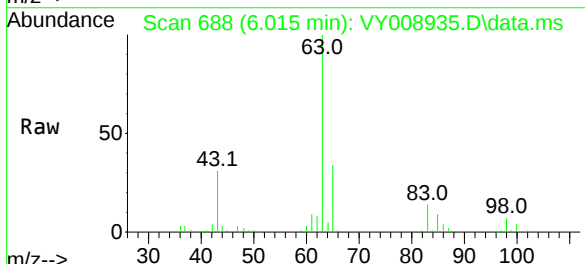
Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

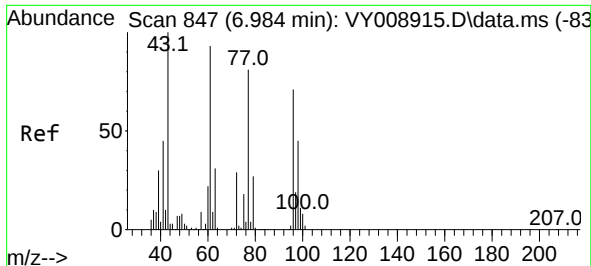
Tgt Ion: 43 Resp: 647510  
 Ion Ratio Lower Upper  
 43 100  
 86 11.2 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 45.782 ug/l  
 RT: 6.015 min Scan# 688  
 Delta R.T. -0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

Tgt Ion: 63 Resp: 116716  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.6 10.8  
 100 4.5 2.0 5.8

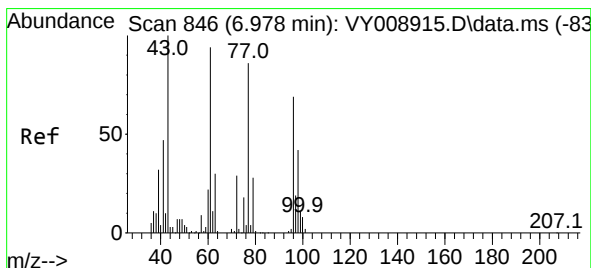
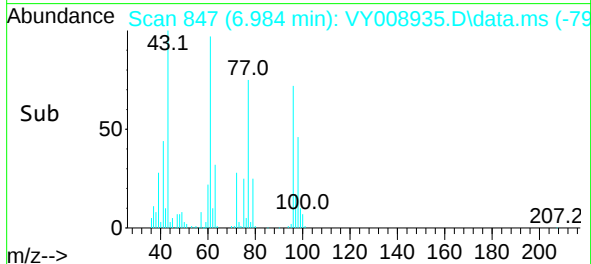
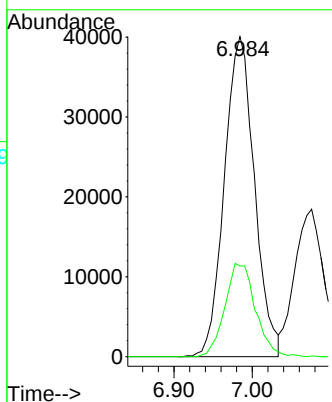
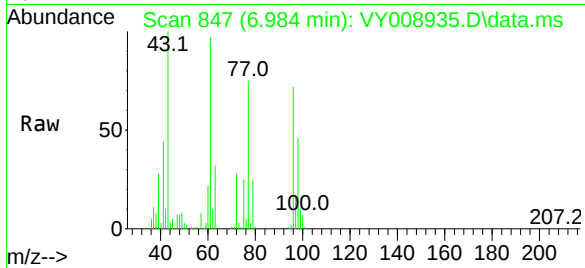




#25  
2-Butanone  
Concen: 223.146 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

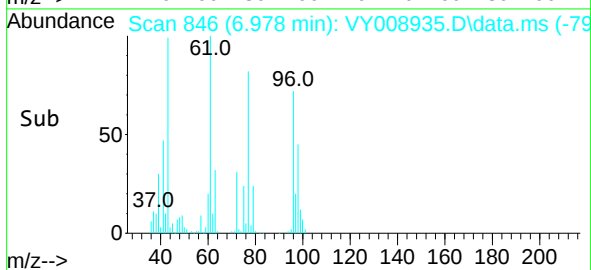
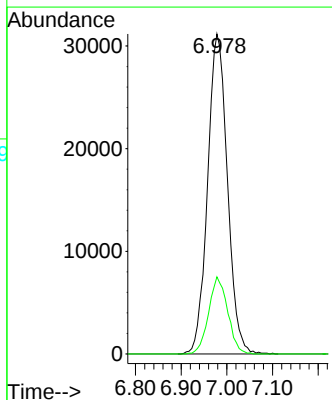
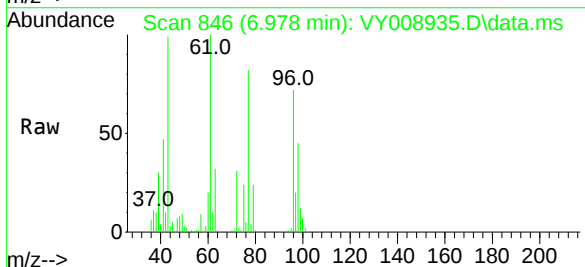
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

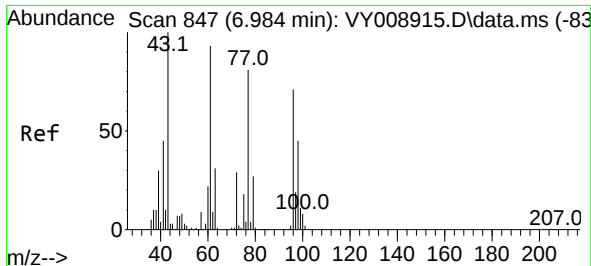
Tgt Ion: 43 Resp: 106871  
Ion Ratio Lower Upper  
43 100  
72 28.3 17.7 26.5#



#26  
2,2-Dichloropropane  
Concen: 39.982 ug/l  
RT: 6.978 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 77 Resp: 93895  
Ion Ratio Lower Upper  
77 100  
97 23.2 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 45.669 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

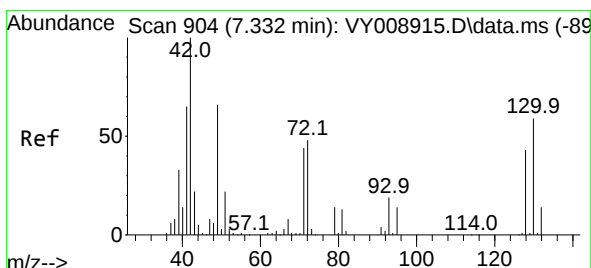
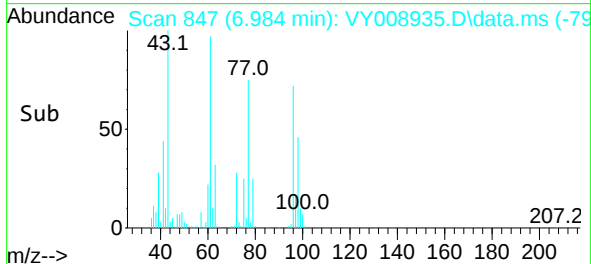
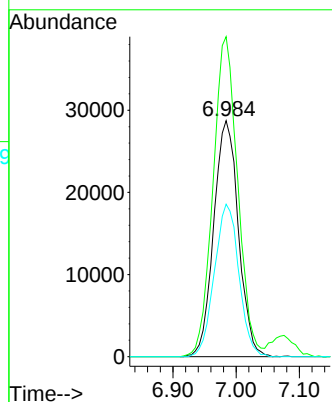
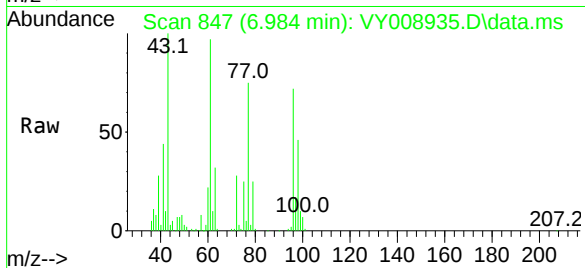
Tgt Ion: 96 Resp: 77791

Ion Ratio Lower Upper

96 100

61 136.0 0.0 319.8

98 64.1 0.0 127.0



#28

Bromochloromethane

Concen: 53.953 ug/l

RT: 7.332 min Scan# 904

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

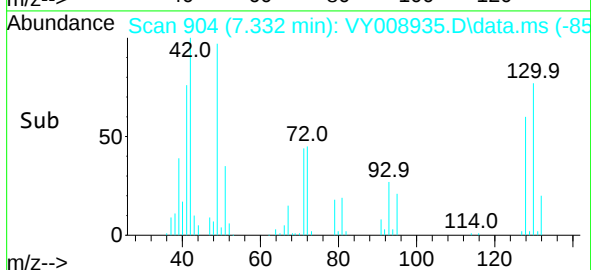
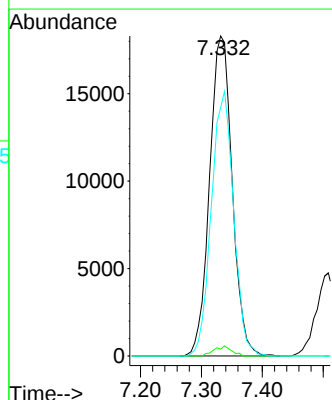
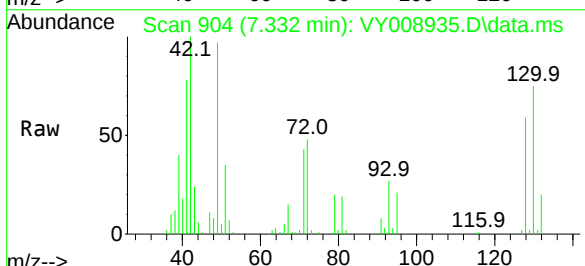
Tgt Ion: 49 Resp: 47211

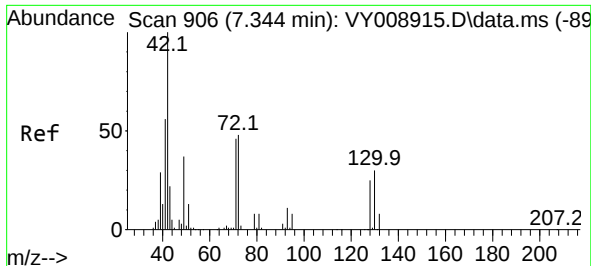
Ion Ratio Lower Upper

49 100

129 2.4 0.0 2.2#

130 81.4 55.4 83.0





#29

Tetrahydrofuran

Concen: 224.150 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY008935.D

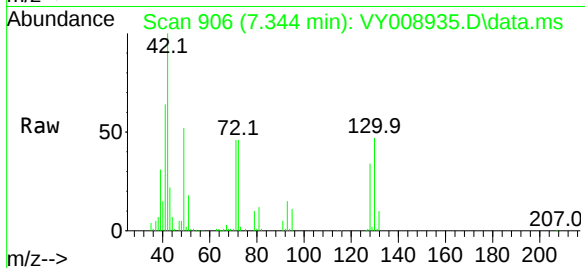
Acq: 21 May 2022 04:22

Instrument :

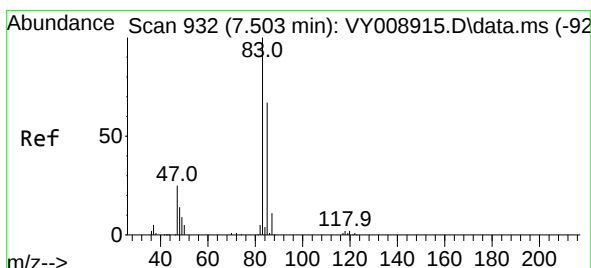
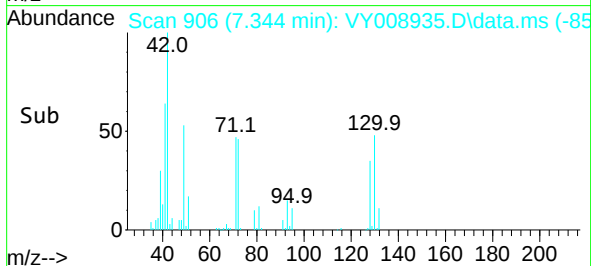
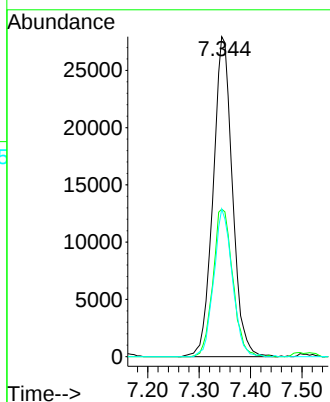
MSVOA\_Y

ClientSampleId :

VSTDCCC050EC



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 72922 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 47.1  | 30.3  | 45.5# |
| 71       | 44.2  | 29.0  | 43.4# |



#30

Chloroform

Concen: 46.949 ug/l

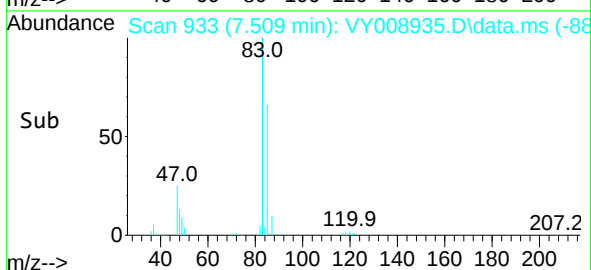
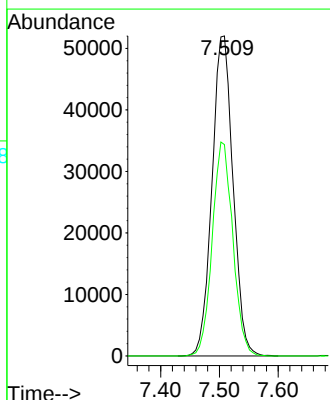
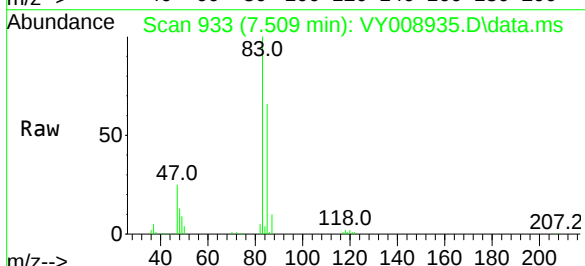
RT: 7.509 min Scan# 933

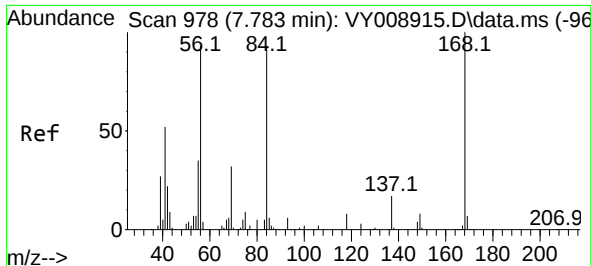
Delta R.T. 0.006 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

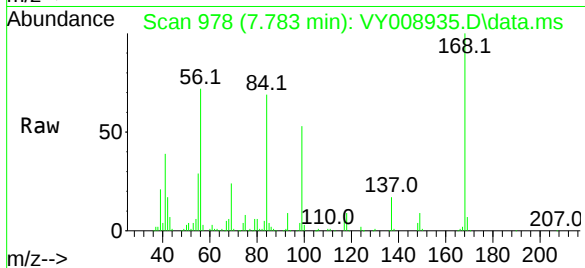
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 129202 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 66.0  | 51.8  | 77.6   |



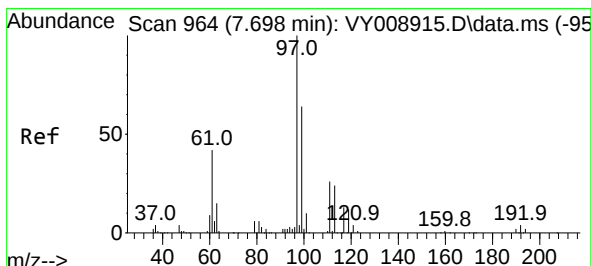
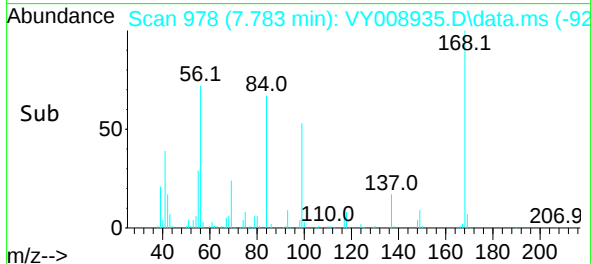
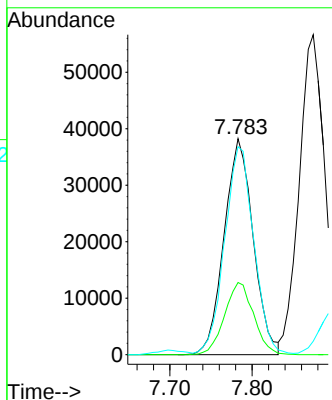


#31  
Cyclohexane  
Concen: 37.337 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

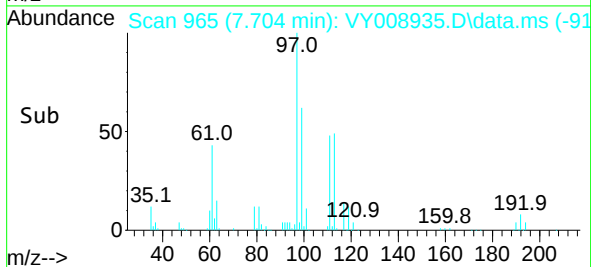
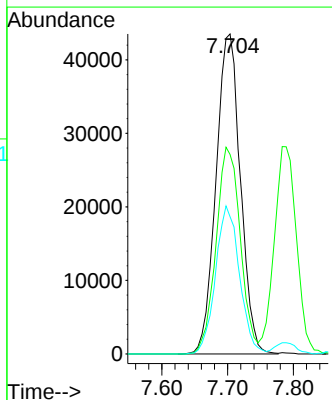
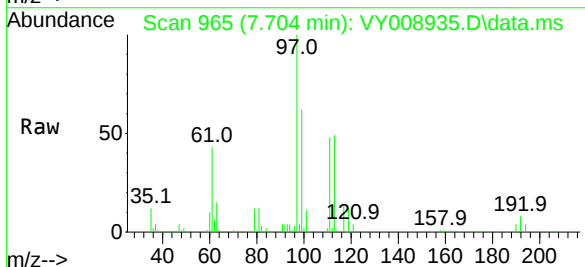


Tgt Ion: 56 Resp: 94093  
Ion Ratio Lower Upper  
56 100  
69 33.4 26.7 40.1  
84 94.8 67.2 100.8



#32  
1,1,1-Trichloroethane  
Concen: 45.063 ug/l  
RT: 7.704 min Scan# 965  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 97 Resp: 112508  
Ion Ratio Lower Upper  
97 100  
99 64.4 50.7 76.1  
61 45.4 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 58.545 ug/l

RT: 8.143 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

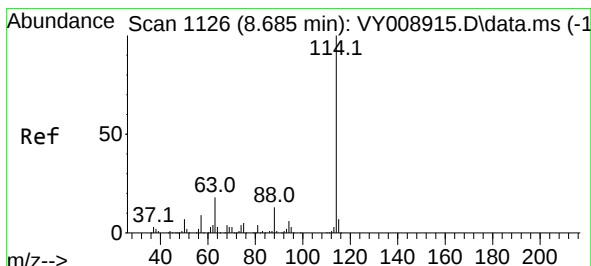
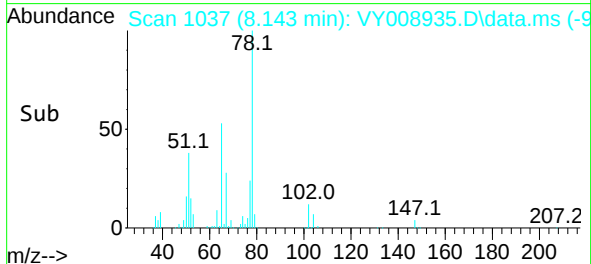
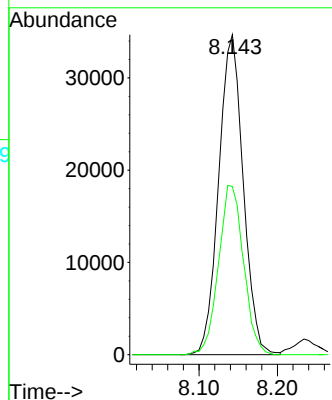
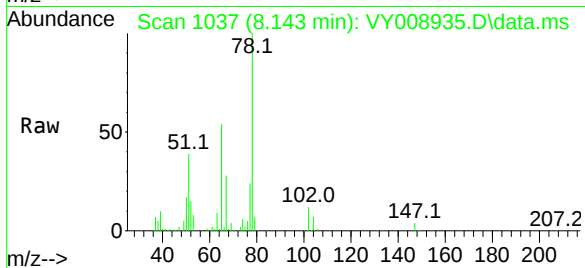
VSTDCCC050EC

Tgt Ion: 65 Resp: 75416

Ion Ratio Lower Upper

65 100

67 54.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

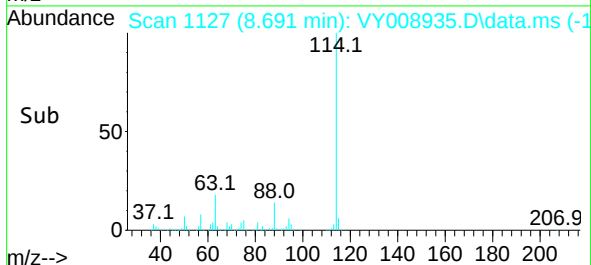
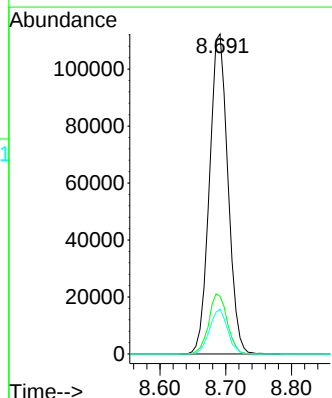
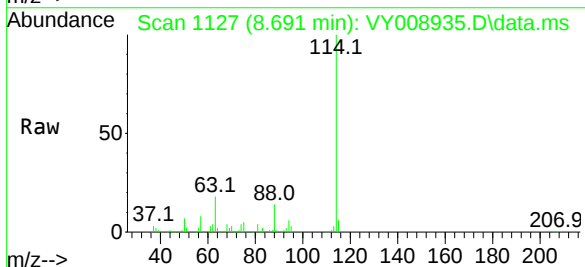
Tgt Ion: 114 Resp: 219346

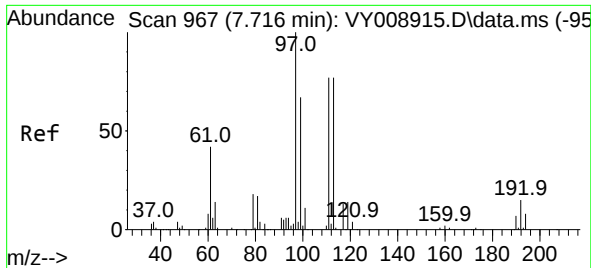
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.0 0.0 31.8

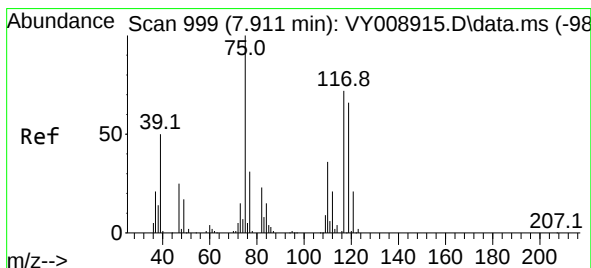
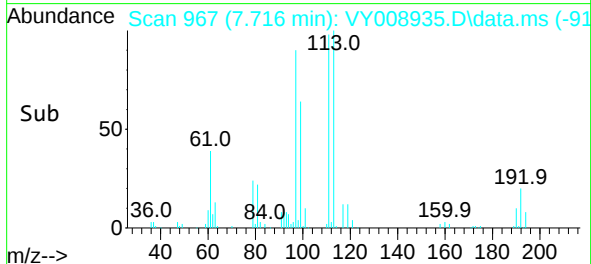
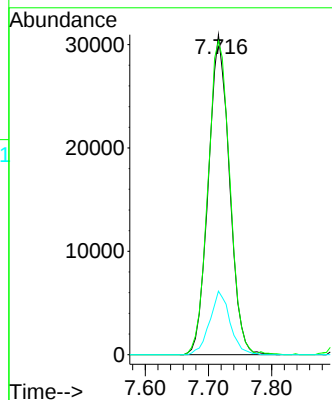
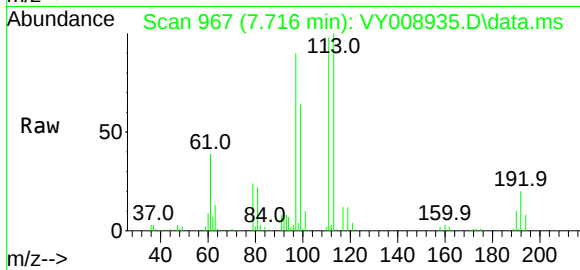




#35  
Dibromofluoromethane  
Concen: 52.473 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

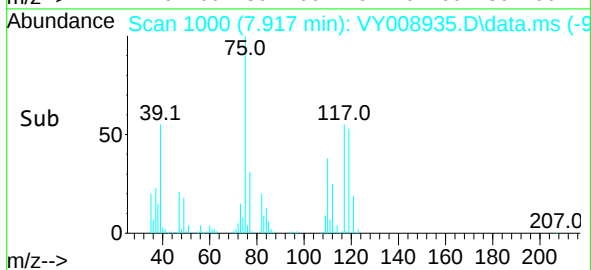
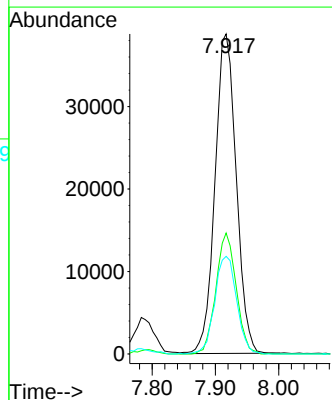
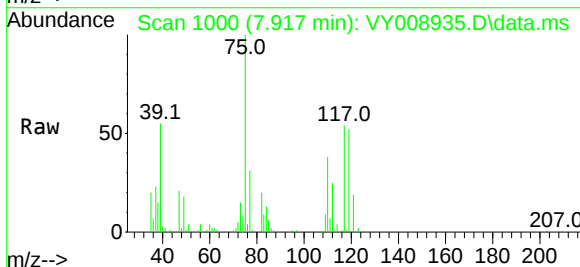
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:113 Resp: 71572  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.6 124.0  
192 19.2 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 38.900 ug/l  
RT: 7.917 min Scan# 1000  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 75 Resp: 90297  
Ion Ratio Lower Upper  
75 100  
110 36.1 17.1 51.2  
77 31.6 24.4 36.6





#37

Ethyl Acetate

Concen: 40.585 ug/l

RT: 7.076 min Scan# 8

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

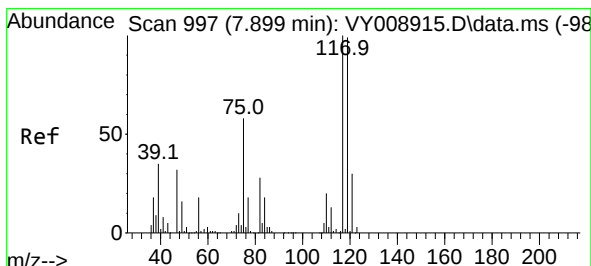
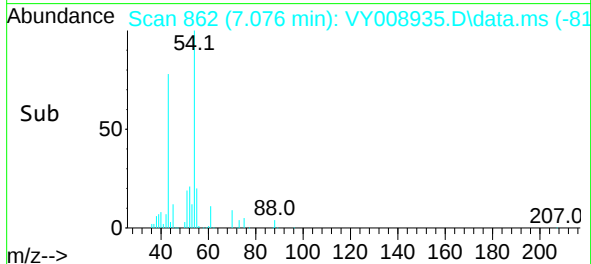
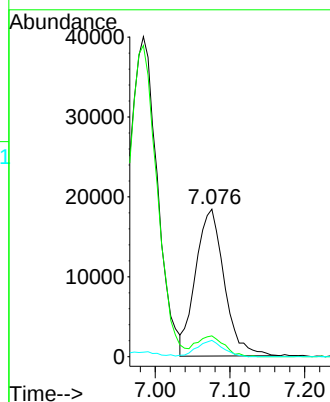
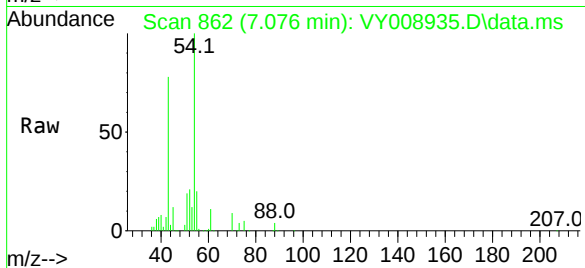
Tgt Ion: 43 Resp: 48868

Ion Ratio Lower Upper

43 100

61 13.5 9.7 14.5

70 10.1 7.1 10.7



#38

Carbon Tetrachloride

Concen: 40.800 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

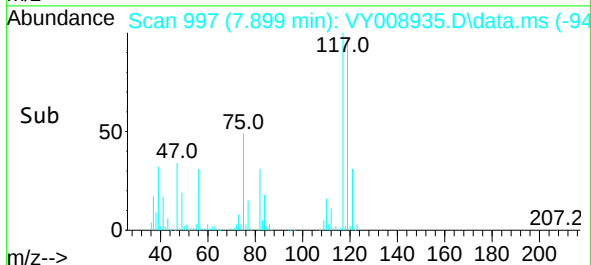
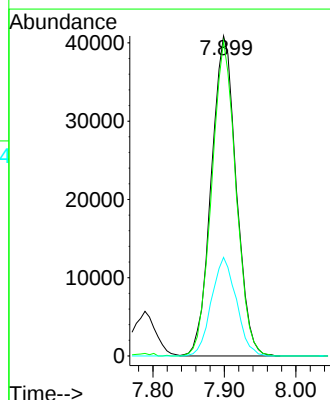
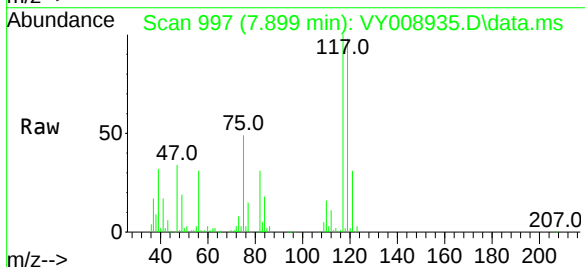
Tgt Ion: 117 Resp: 99071

Ion Ratio Lower Upper

117 100

119 98.4 77.9 116.9

121 30.8 24.8 37.2





#39

Methylcyclohexane

Concen: 37.700 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

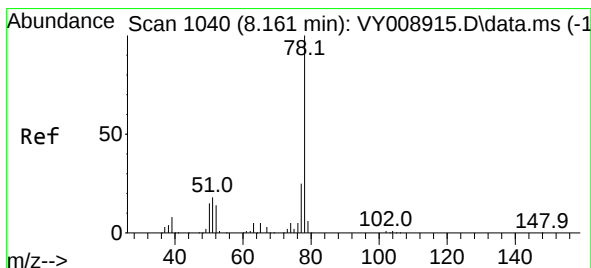
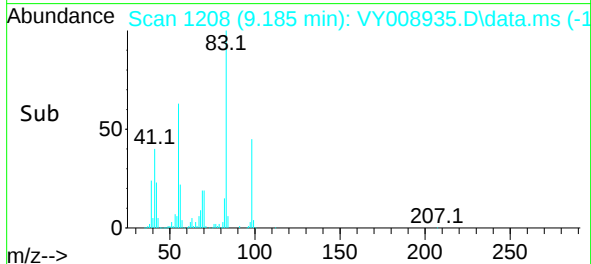
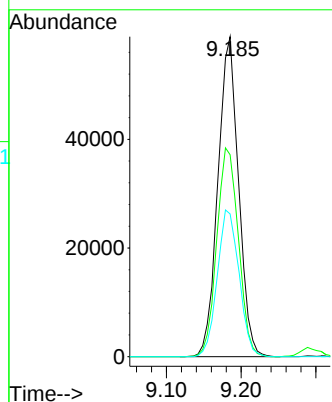
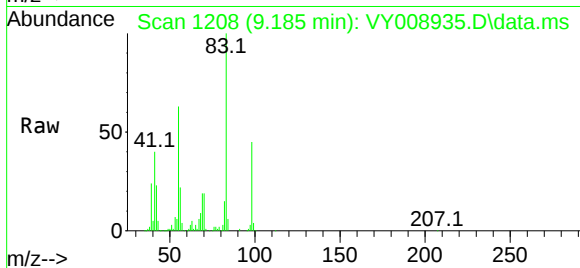
Tgt Ion: 83 Resp: 112957

Ion Ratio Lower Upper

83 100

55 63.1 66.5 99.7#

98 44.6 37.9 56.9



#40

Benzene

Concen: 42.151 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY008935.D

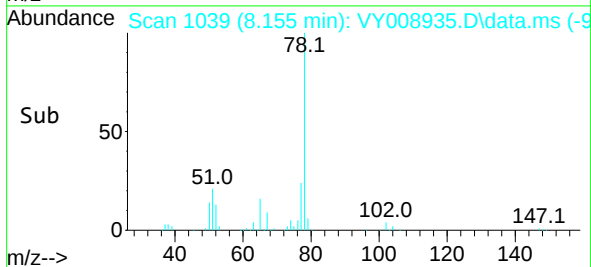
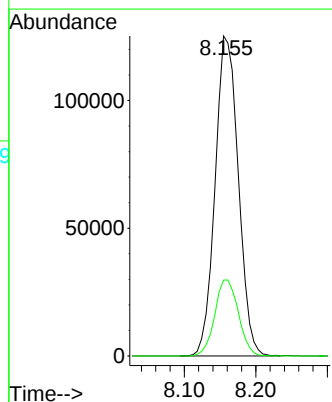
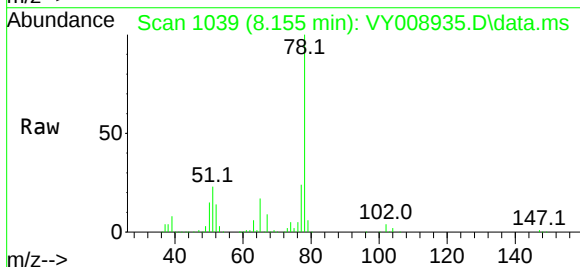
Acq: 21 May 2022 04:22

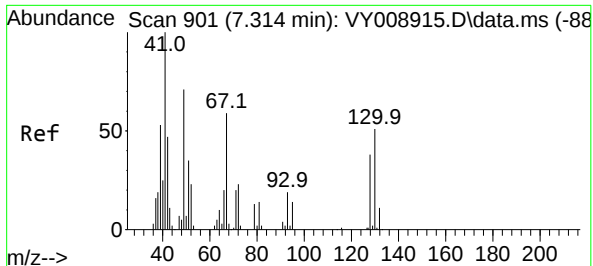
Tgt Ion: 78 Resp: 282136

Ion Ratio Lower Upper

78 100

77 23.7 20.4 30.6

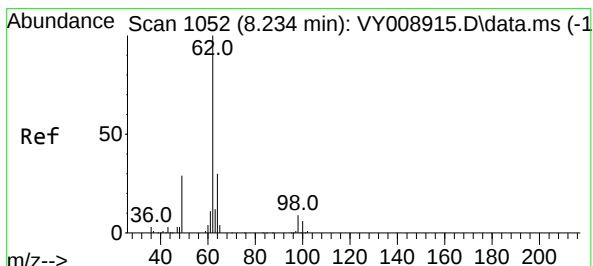
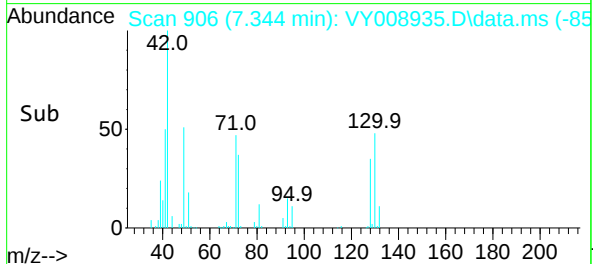
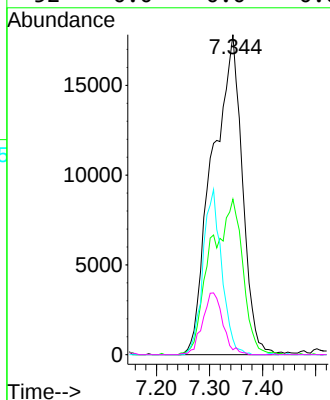
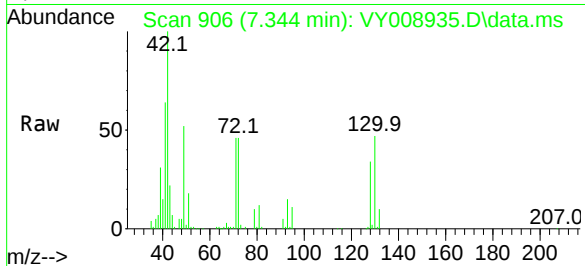




#41  
Methacrylonitrile  
Concen: 112.440 ug/l  
RT: 7.344 min Scan# 901  
Delta R.T. 0.030 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

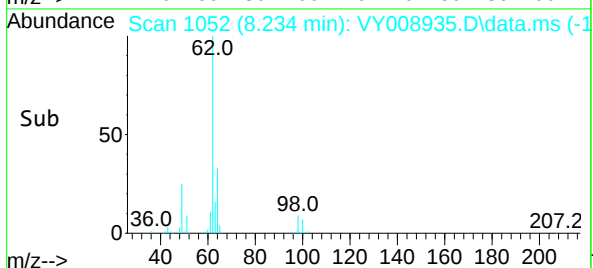
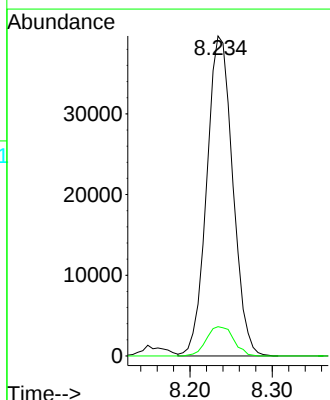
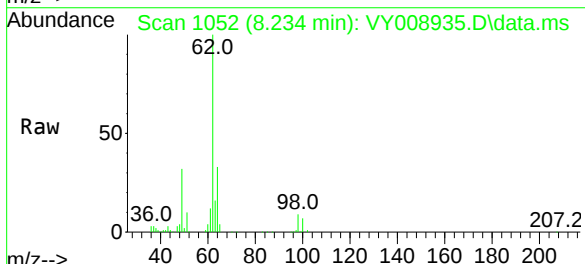
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

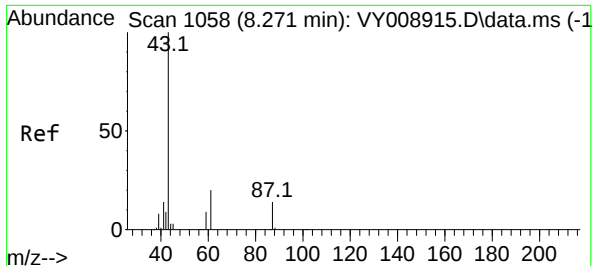
Tgt Ion: 41 Resp: 69864  
Ion Ratio Lower Upper  
41 100  
39 27.5 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 44.277 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 62 Resp: 87027  
Ion Ratio Lower Upper  
62 100  
98 9.6 0.0 14.8

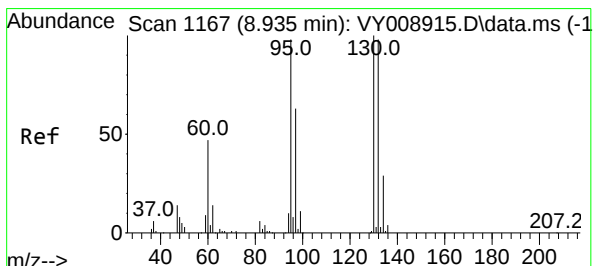
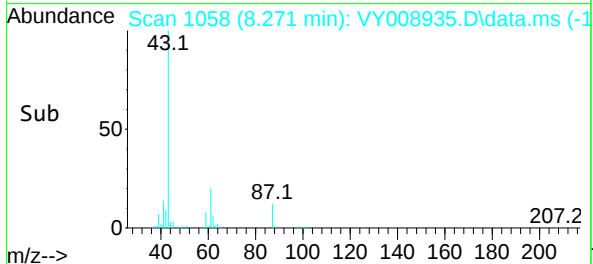
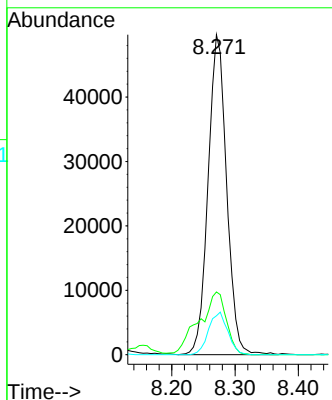
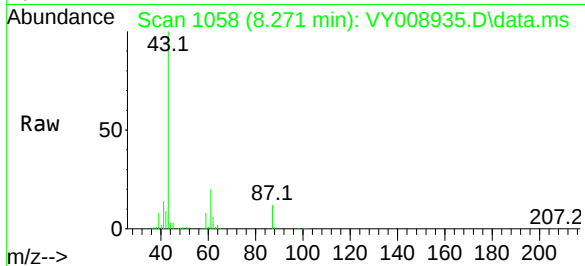




#43  
Isopropyl Acetate  
Concen: 45.197 ug/l  
RT: 8.271 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

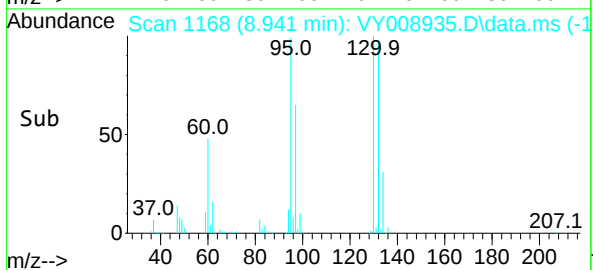
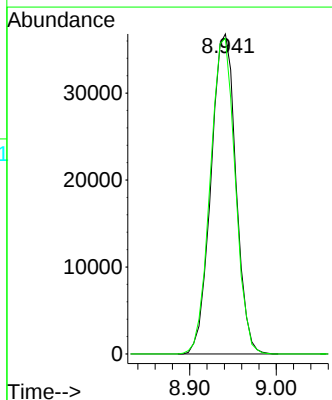
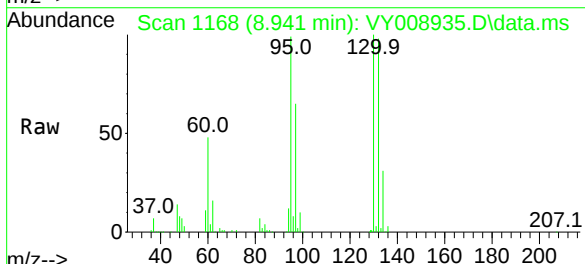
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

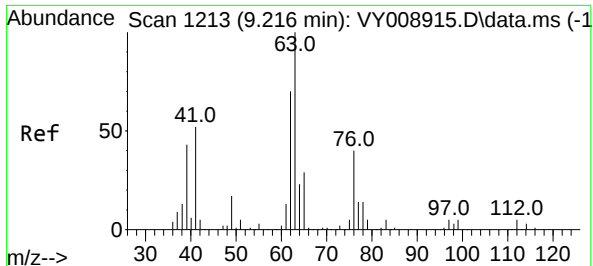
Tgt Ion: 43 Resp: 101192  
Ion Ratio Lower Upper  
43 100  
61 28.9 20.2 30.2  
87 13.8 8.9 13.3#



#44  
Trichloroethene  
Concen: 41.330 ug/l  
RT: 8.941 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion:130 Resp: 73250  
Ion Ratio Lower Upper  
130 100  
95 98.7 0.0 188.2





#45

1,2-Dichloropropane

Concen: 45.536 ug/l

RT: 9.216 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

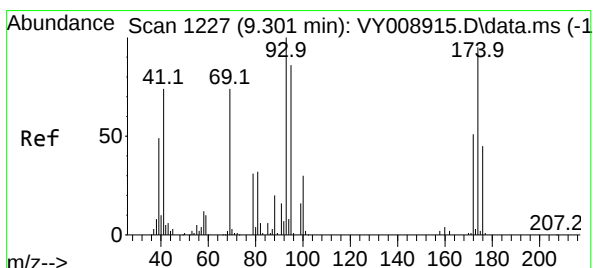
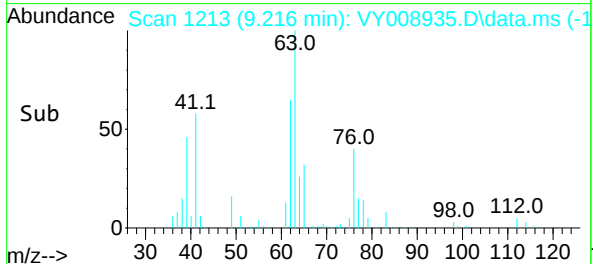
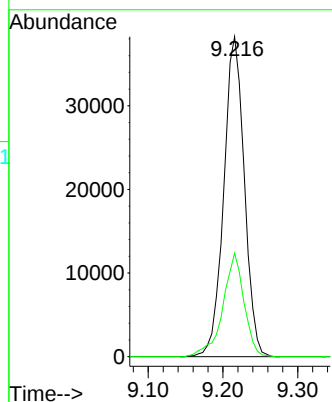
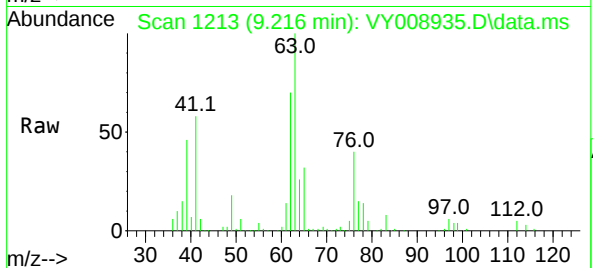
VSTDCCC050EC

Tgt Ion: 63 Resp: 73187

Ion Ratio Lower Upper

63 100

65 32.3 23.0 34.6



#46

Dibromomethane

Concen: 43.651 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

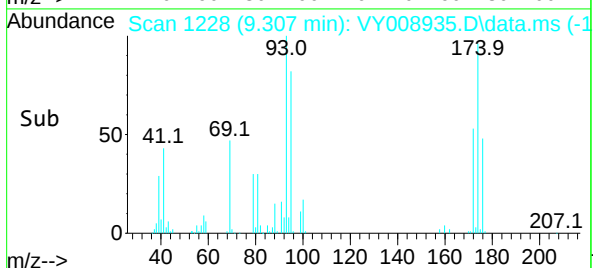
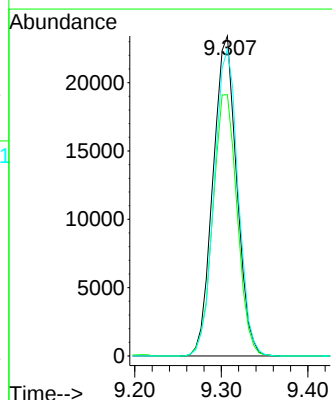
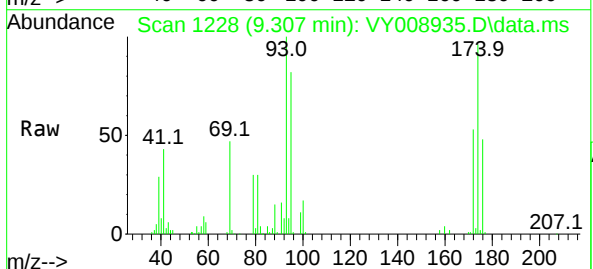
Tgt Ion: 93 Resp: 44610

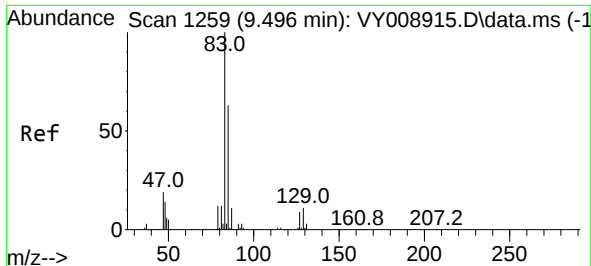
Ion Ratio Lower Upper

93 100

95 83.3 64.3 96.5

174 96.5 83.4 125.0

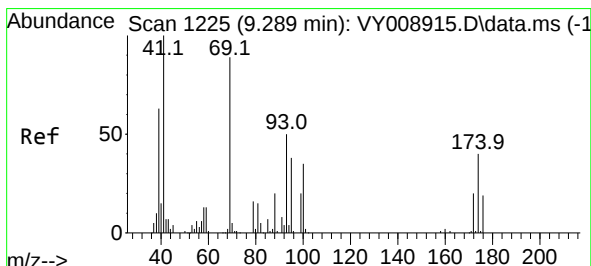
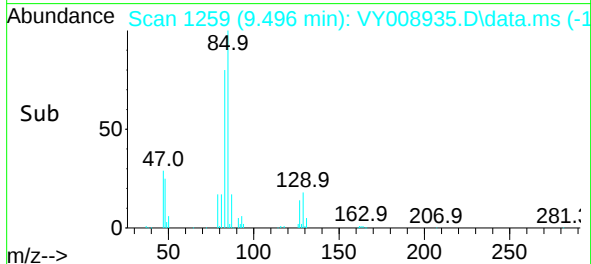
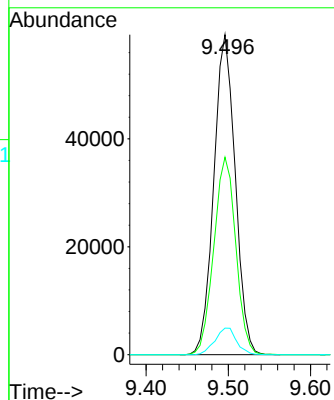
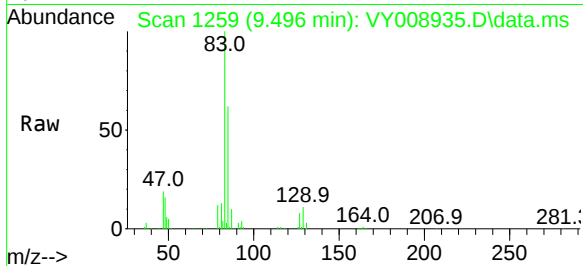




#47  
Bromodichloromethane  
Concen: 46.029 ug/l  
RT: 9.496 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

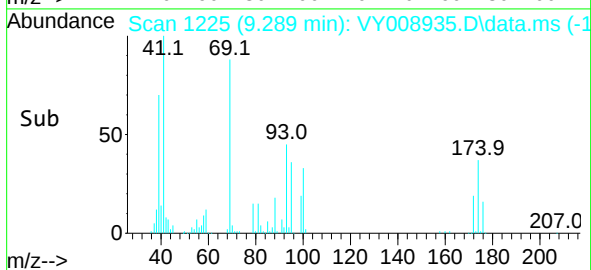
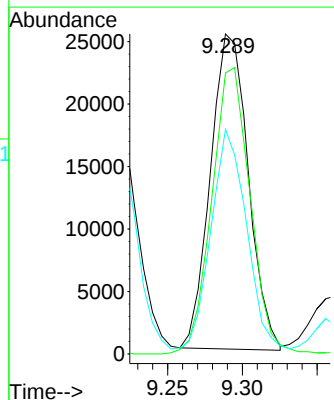
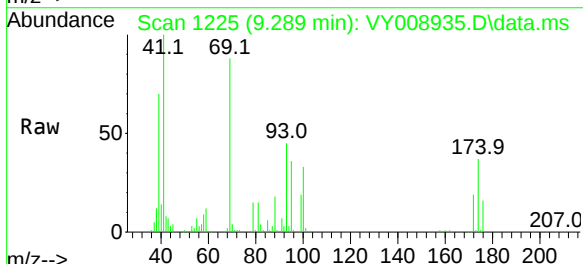
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

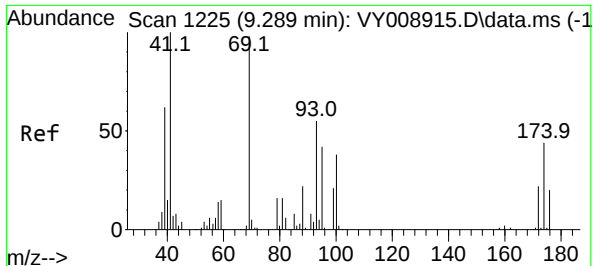
Tgt Ion: 83 Resp: 107505  
Ion Ratio Lower Upper  
83 100  
85 61.7 51.9 77.9  
127 8.3 6.6 10.0



#48  
Methyl methacrylate  
Concen: 44.426 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 41 Resp: 44414  
Ion Ratio Lower Upper  
41 100  
69 92.3 58.2 87.2#  
39 68.7 47.4 71.0





#49

1,4-Dioxane

Concen: 831.835 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. 0.006 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

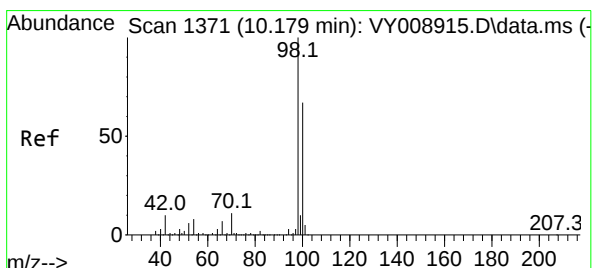
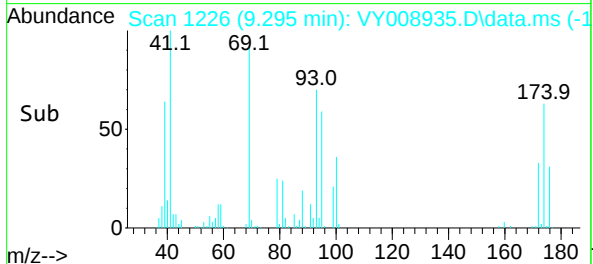
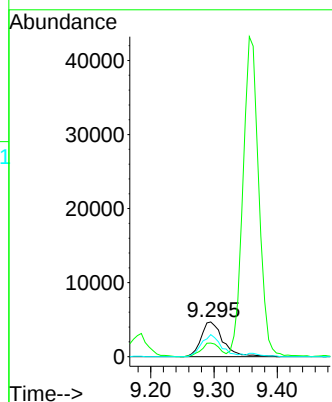
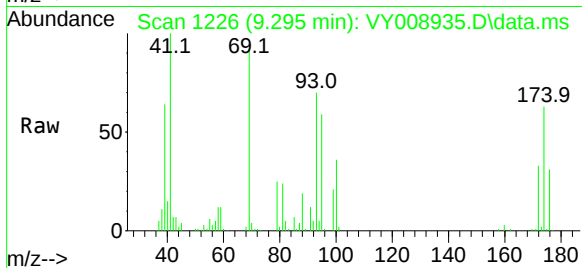
Tgt Ion: 88 Resp: 11364

Ion Ratio Lower Upper

88 100

43 33.1 32.8 49.2

58 56.5 59.8 89.6#



#50

Toluene-d8

Concen: 59.616 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008935.D

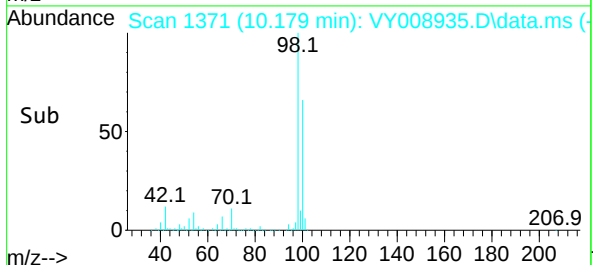
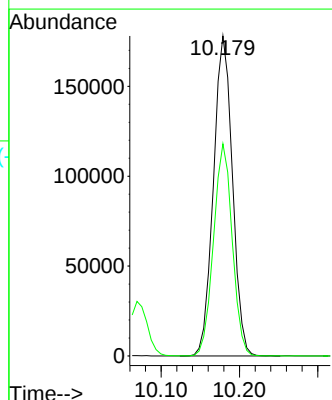
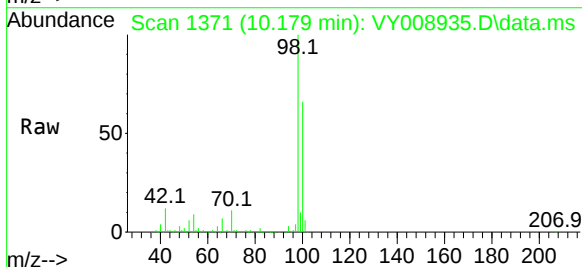
Acq: 21 May 2022 04:22

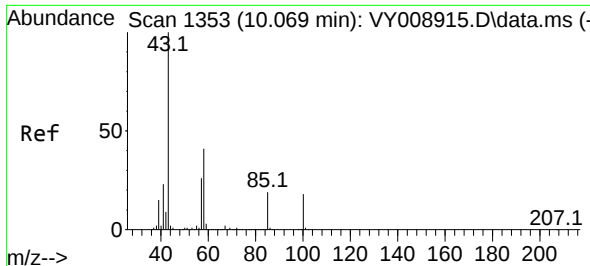
Tgt Ion: 98 Resp: 299982

Ion Ratio Lower Upper

98 100

100 65.4 50.2 75.2

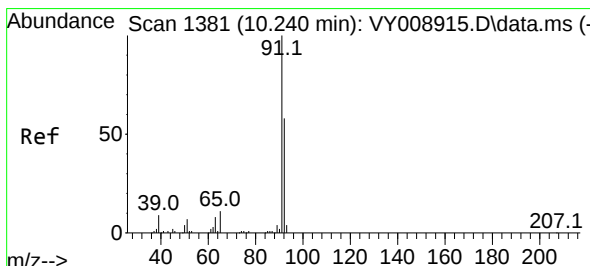
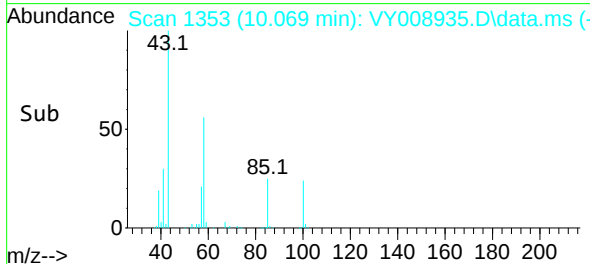
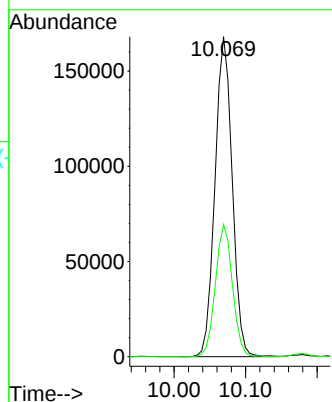
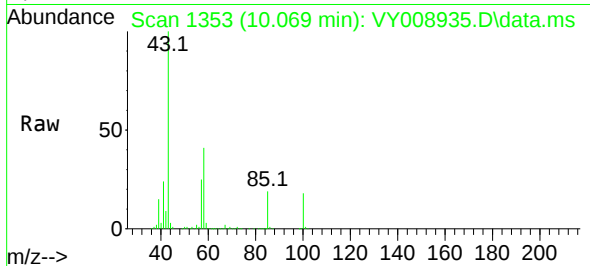




#51  
4-Methyl-2-Pentanone  
Concen: 226.914 ug/l  
RT: 10.069 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

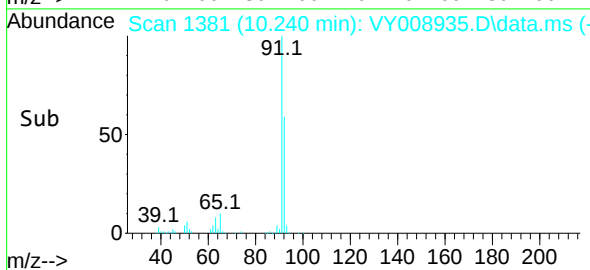
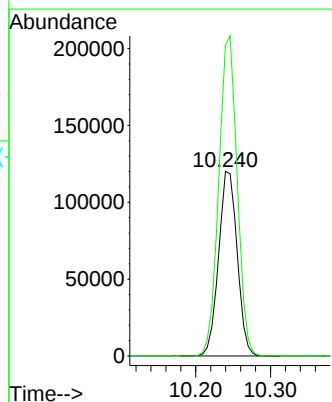
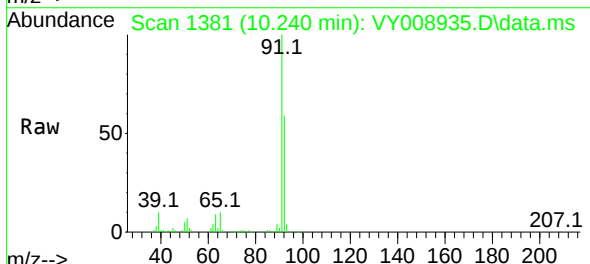
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

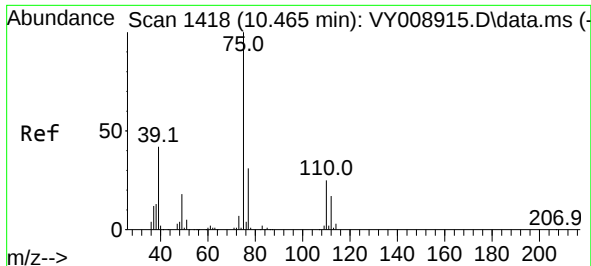
Tgt Ion: 43 Resp: 281164  
Ion Ratio Lower Upper  
43 100  
58 40.9 28.1 42.1



#52  
Toluene  
Concen: 44.270 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 92 Resp: 207085  
Ion Ratio Lower Upper  
92 100  
91 172.2 142.6 213.8

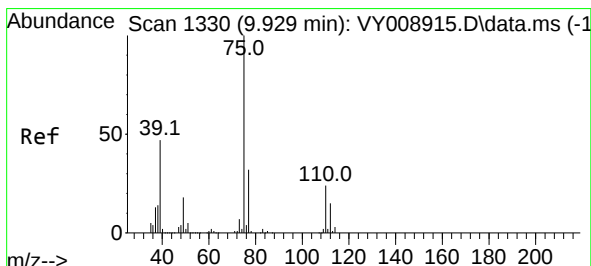
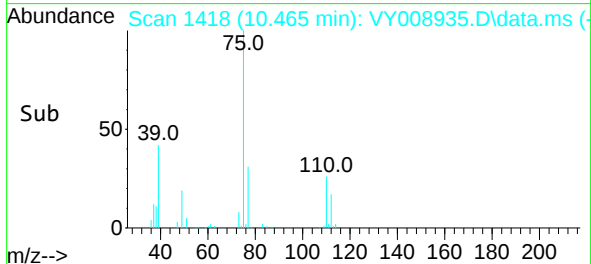
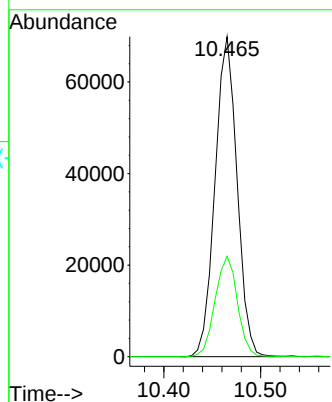
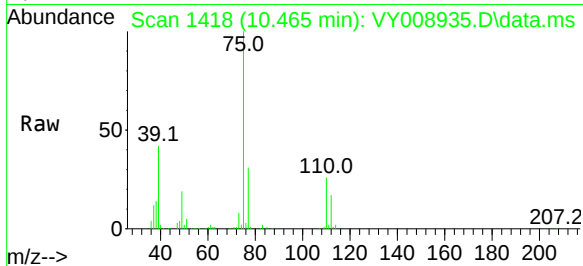




#53  
t-1,3-Dichloropropene  
Concen: 44.500 ug/l  
RT: 10.465 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

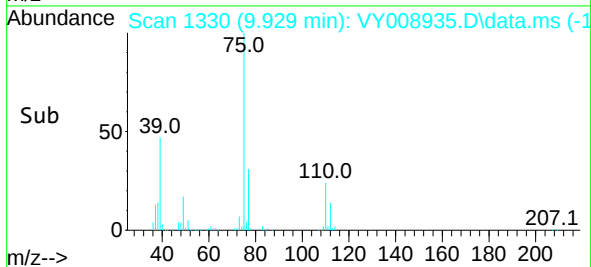
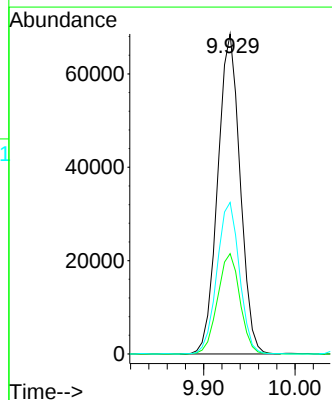
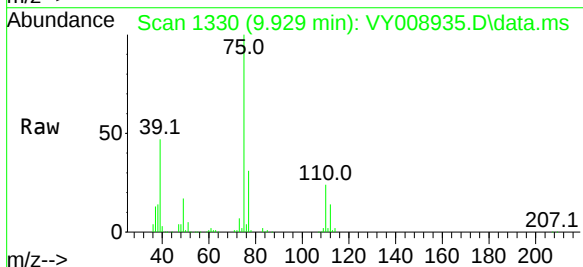
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

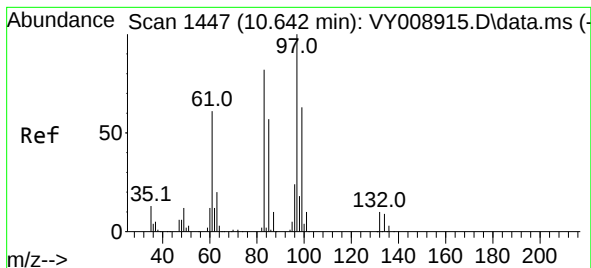
Tgt Ion: 75 Resp: 110371  
Ion Ratio Lower Upper  
75 100  
77 31.3 25.4 38.2



#54  
cis-1,3-Dichloropropene  
Concen: 43.735 ug/l  
RT: 9.929 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 75 Resp: 116611  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4  
39 47.4 47.6 71.4#





#55

1,1,2-Trichloroethane

Concen: 46.546 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 66550

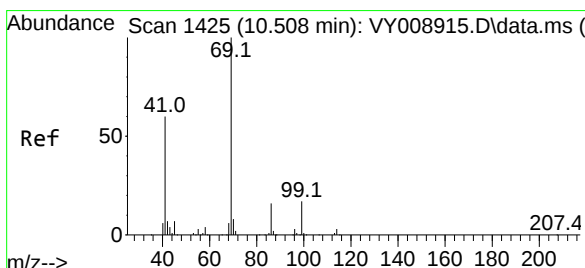
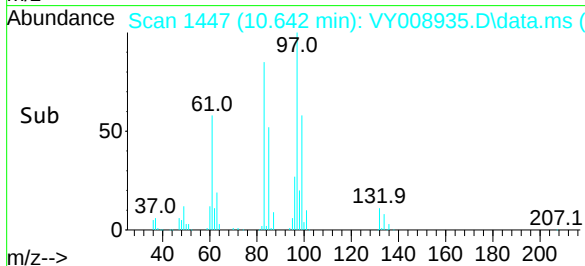
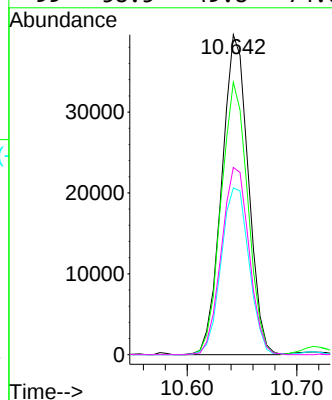
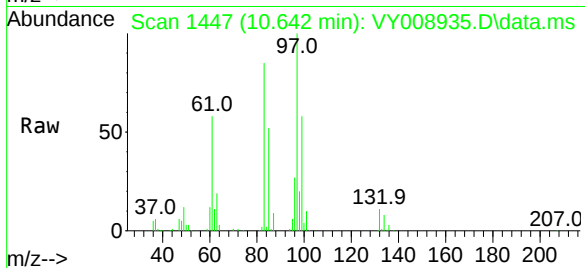
Ion Ratio Lower Upper

97 100

83 85.2 69.8 104.8

85 52.1 44.3 66.5

99 58.5 49.8 74.6



#56

Ethyl methacrylate

Concen: 46.869 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

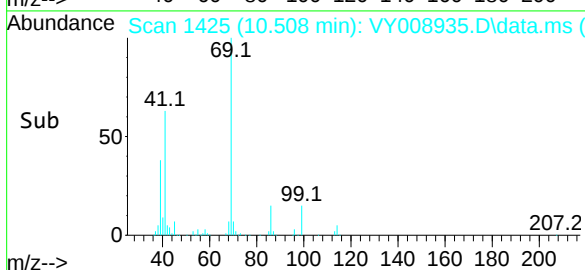
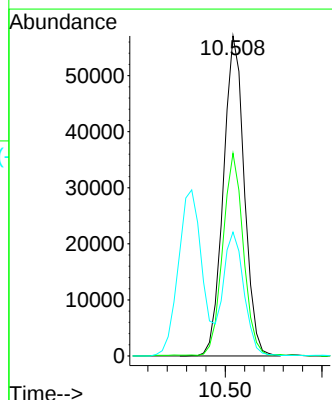
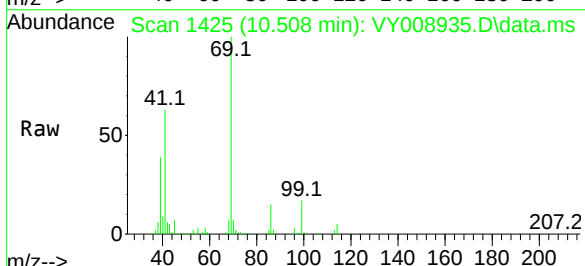
Tgt Ion: 69 Resp: 85675

Ion Ratio Lower Upper

69 100

41 62.7 63.4 95.0#

39 37.2 35.8 53.8





#57

1,3-Dichloropropane

Concen: 46.149 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.001 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

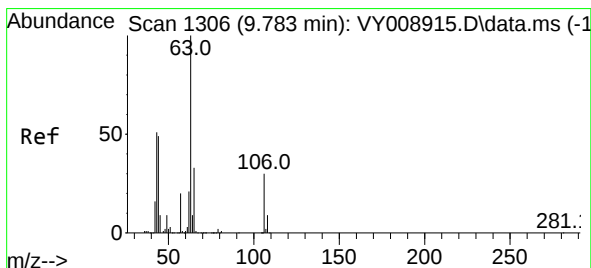
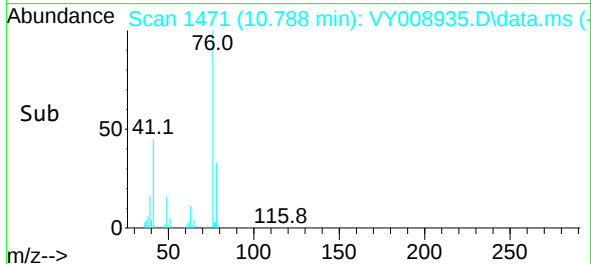
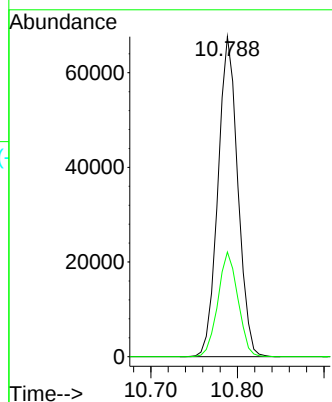
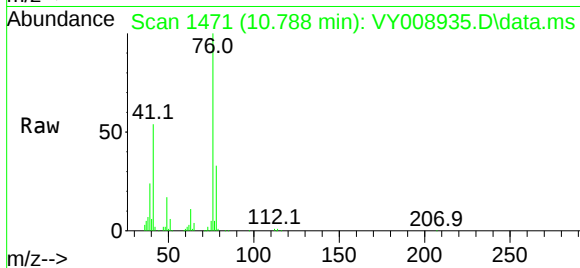
VSTDCCC050EC

Tgt Ion: 76 Resp: 107634

Ion Ratio Lower Upper

76 100

78 33.0 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 250.841 ug/l

RT: 9.783 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY008935.D

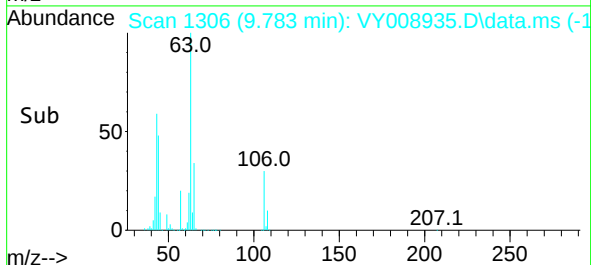
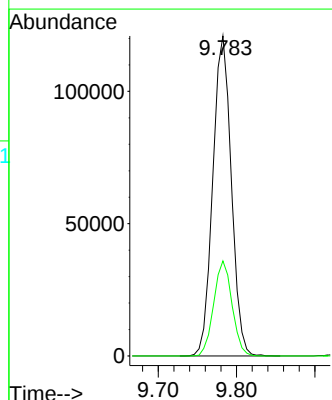
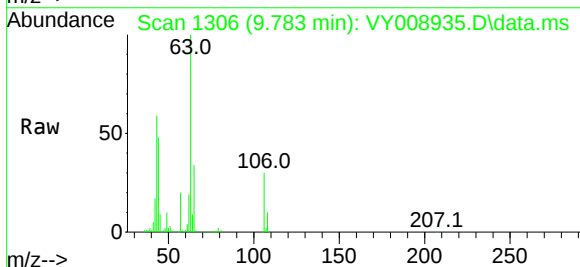
Acq: 21 May 2022 04:22

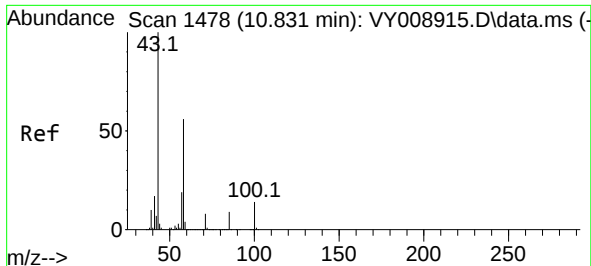
Tgt Ion: 63 Resp: 198373

Ion Ratio Lower Upper

63 100

106 29.4 21.5 32.3

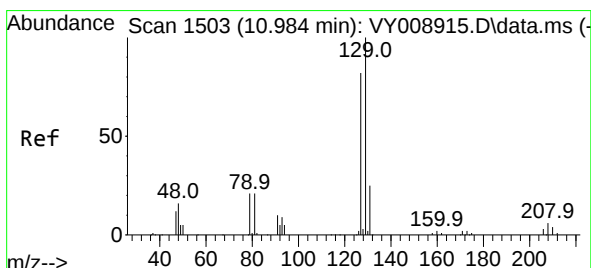
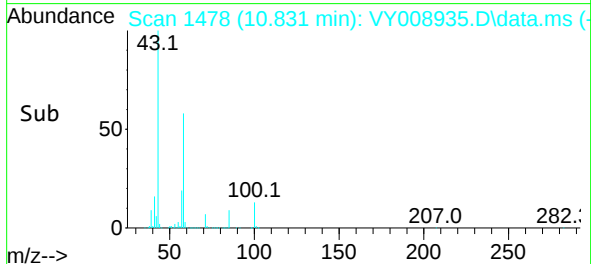
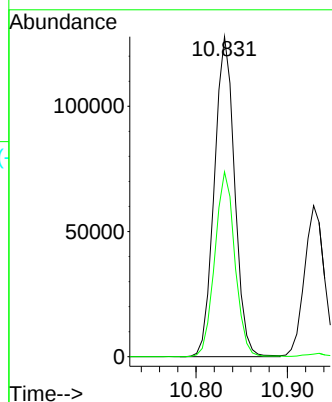
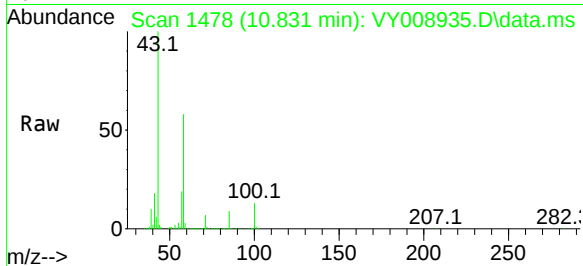




#59  
2-Hexanone  
Concen: 232.838 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

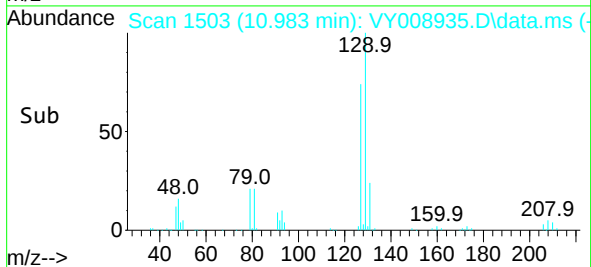
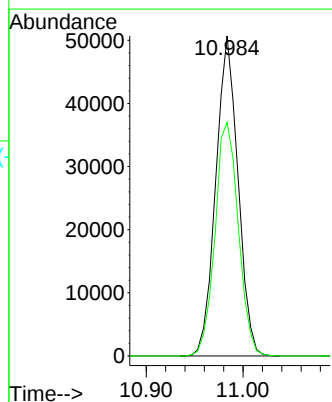
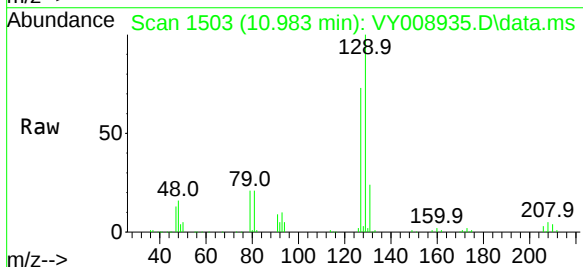
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

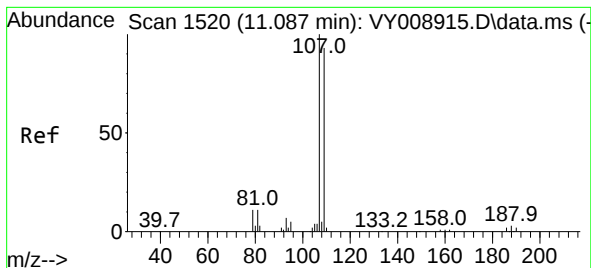
Tgt Ion: 43 Resp: 197531  
Ion Ratio Lower Upper  
43 100  
58 57.2 24.4 73.4



#60  
Dibromochloromethane  
Concen: 46.628 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. -0.001 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 129 Resp: 80815  
Ion Ratio Lower Upper  
129 100  
127 76.5 38.7 116.1

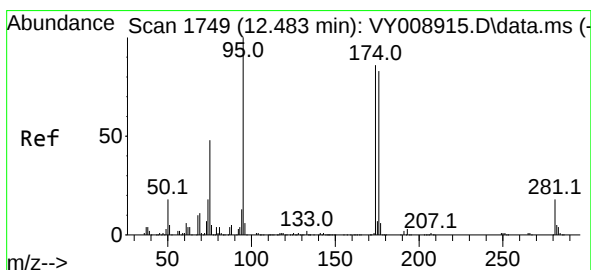
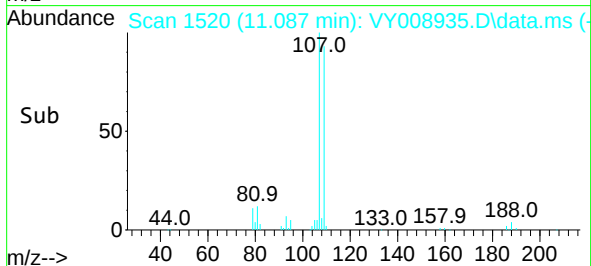
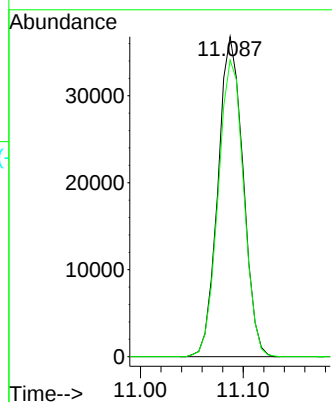
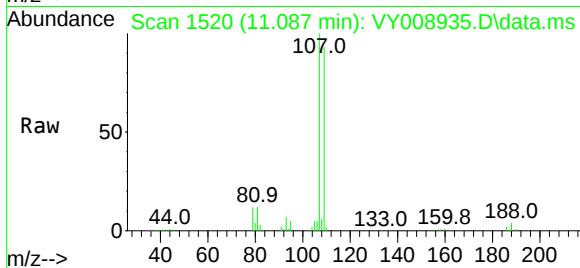




#61  
1,2-Dibromoethane  
Concen: 43.951 ug/l  
RT: 11.087 min Scan# 1520  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

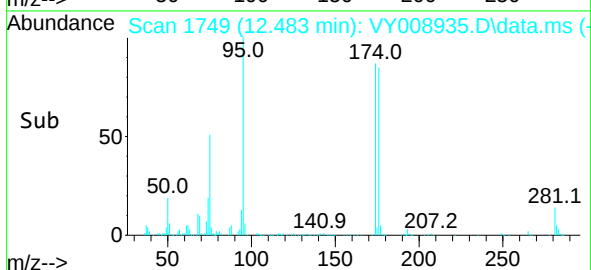
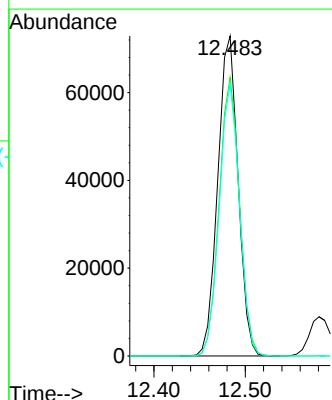
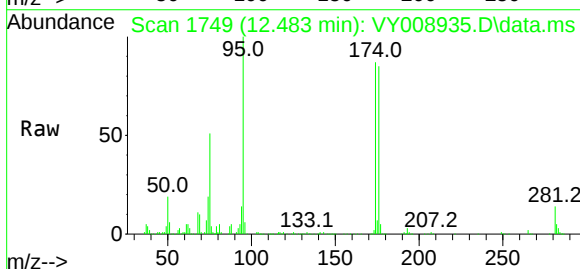
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

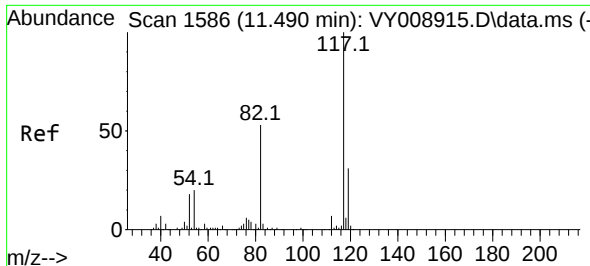
Tgt Ion:107 Resp: 62270  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 55.484 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 95 Resp: 112624  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 177.0  
176 84.4 0.0 175.8

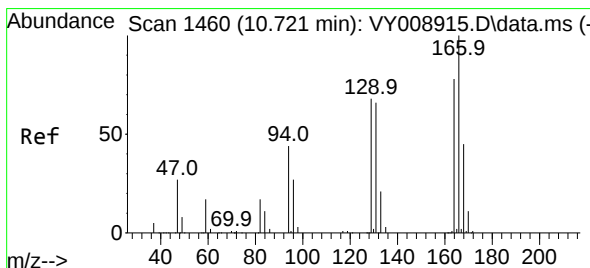
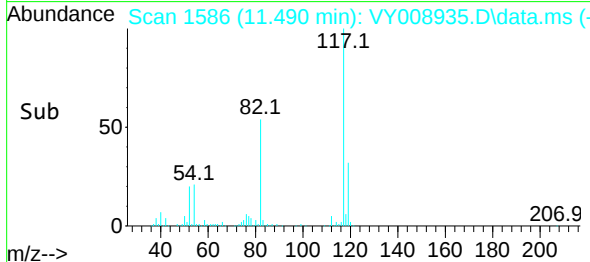
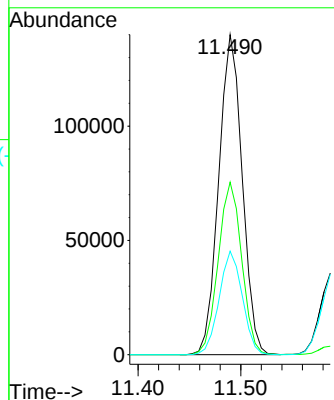
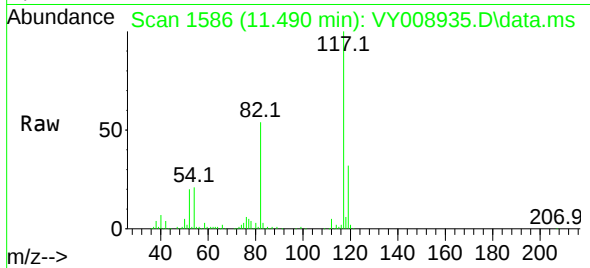




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

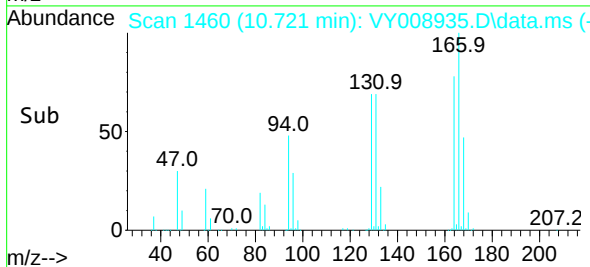
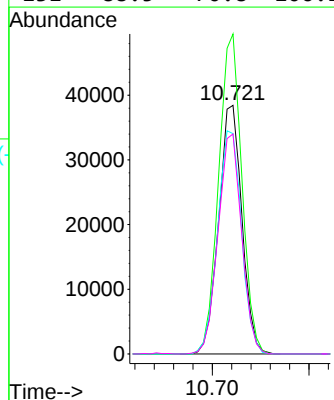
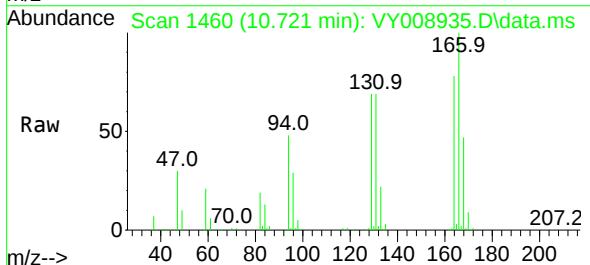
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

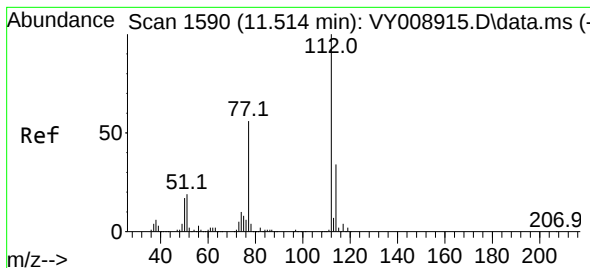
Tgt Ion:117 Resp: 222133  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.0 64.4  
119 32.4 25.4 38.0



#64  
Tetrachloroethene  
Concen: 39.644 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion:164 Resp: 64097  
Ion Ratio Lower Upper  
164 100  
166 128.7 100.4 150.6  
129 88.6 71.4 107.0  
131 88.5 70.8 106.2

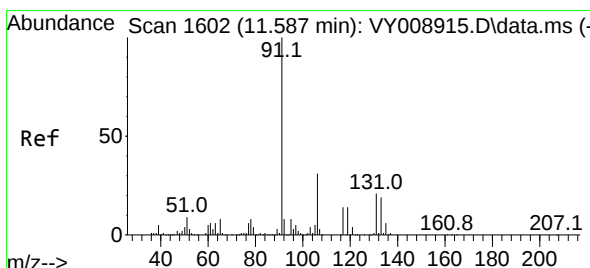
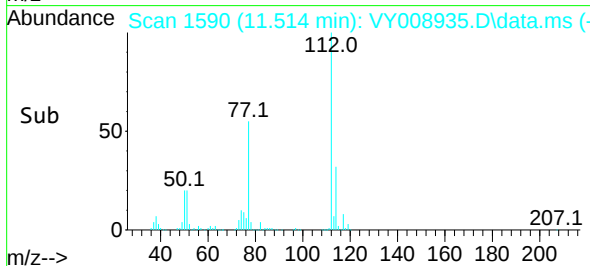
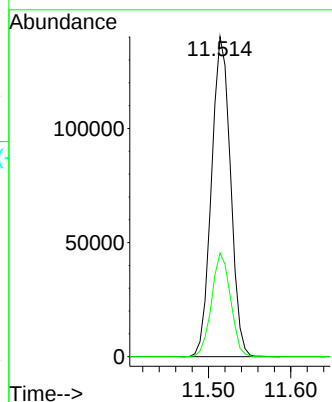
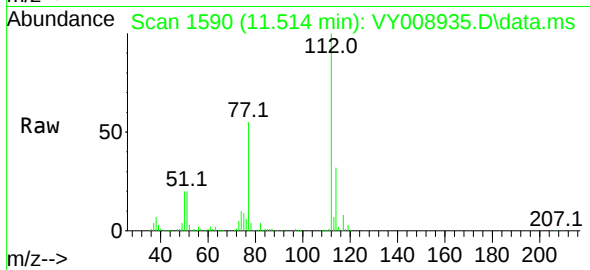




#65  
Chlorobenzene  
Concen: 44.053 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

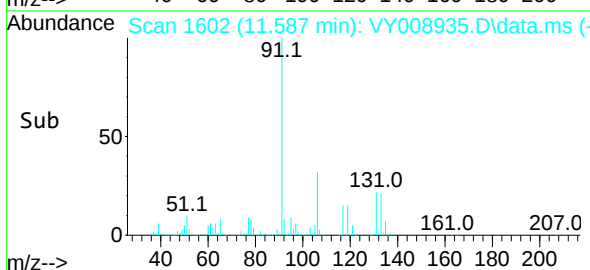
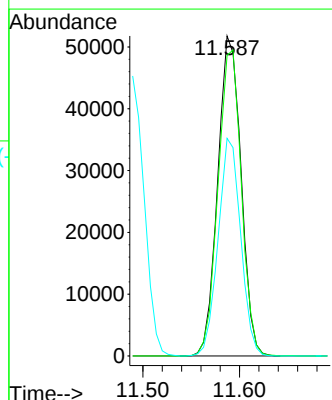
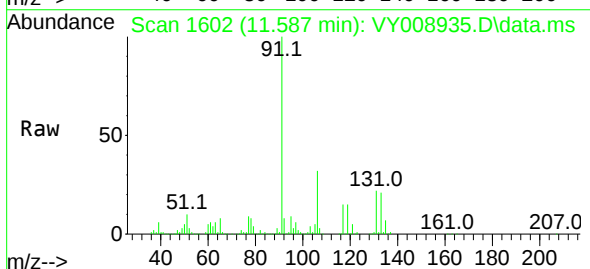
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

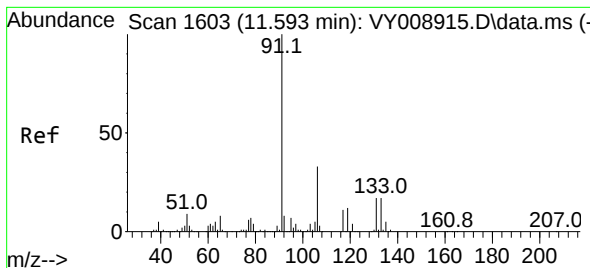
Tgt Ion:112 Resp: 224602  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.310 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion:131 Resp: 86455  
Ion Ratio Lower Upper  
131 100  
133 95.9 47.9 143.6  
119 65.9 30.8 92.3

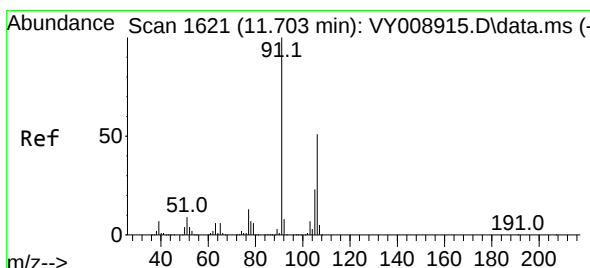
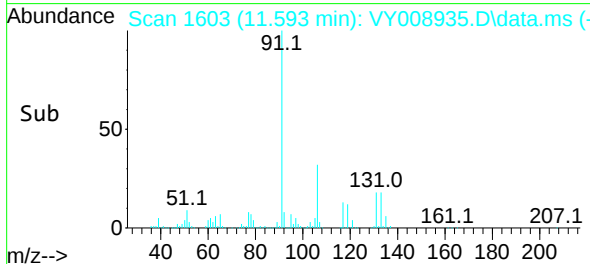
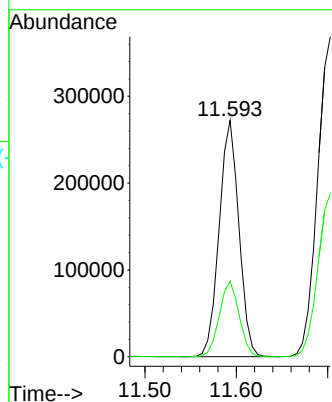
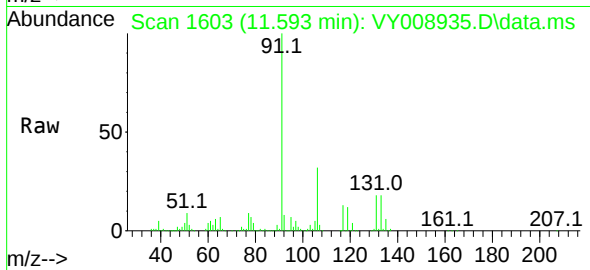




#67  
Ethyl Benzene  
Concen: 44.406 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

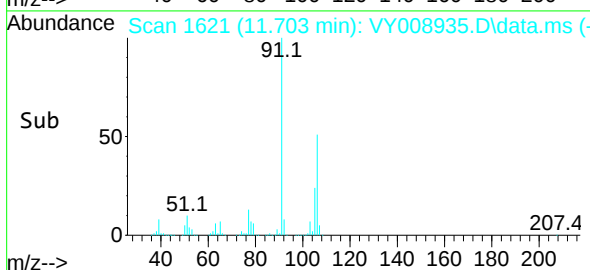
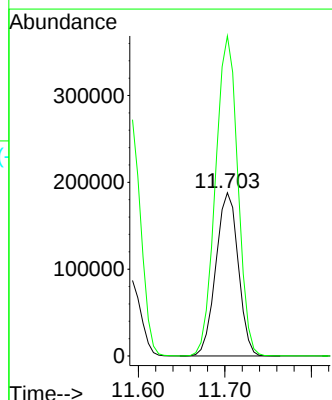
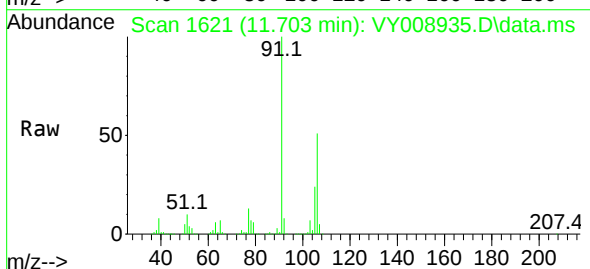
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

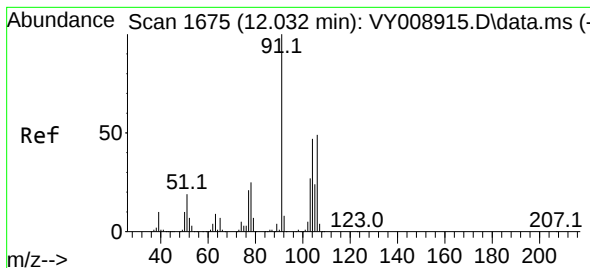
Tgt Ion: 91 Resp: 408004  
Ion Ratio Lower Upper  
91 100  
106 32.0 24.5 36.7



#68  
m/p-Xylenes  
Concen: 90.520 ug/l  
RT: 11.703 min Scan# 1621  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 106 Resp: 337634  
Ion Ratio Lower Upper  
106 100  
91 195.4 166.6 249.8

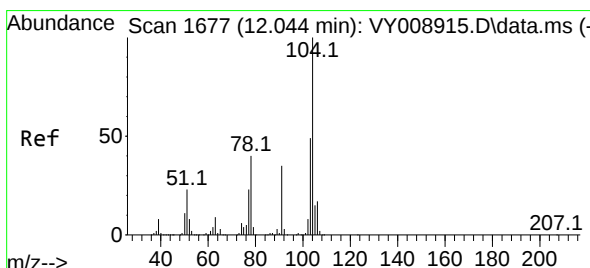
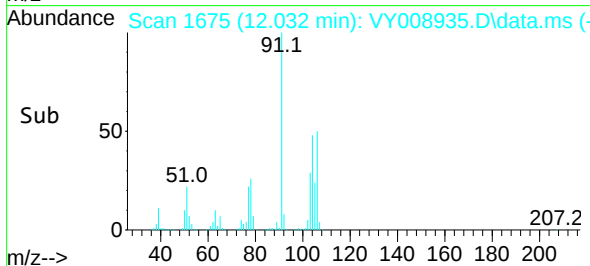
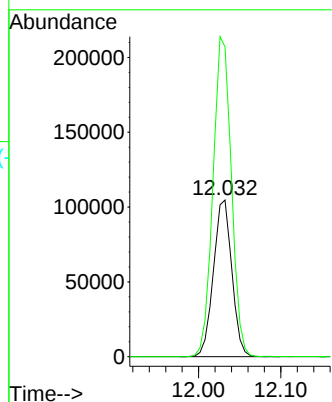
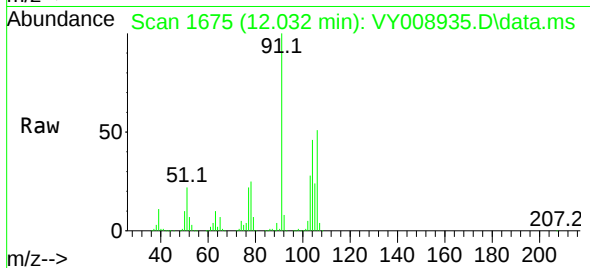




#69  
o-Xylene  
Concen: 46.980 ug/l  
RT: 12.032 min Scan# 1675  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

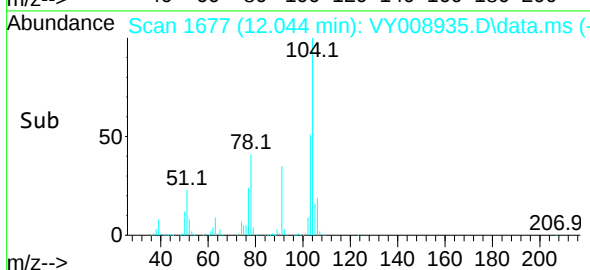
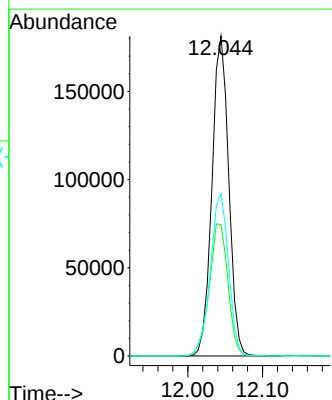
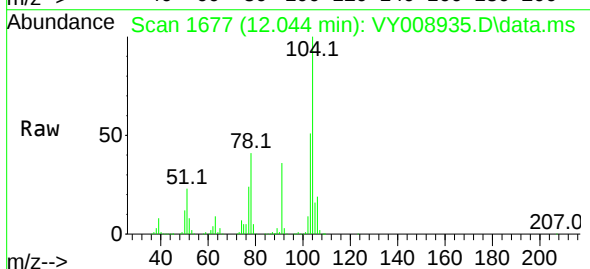
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

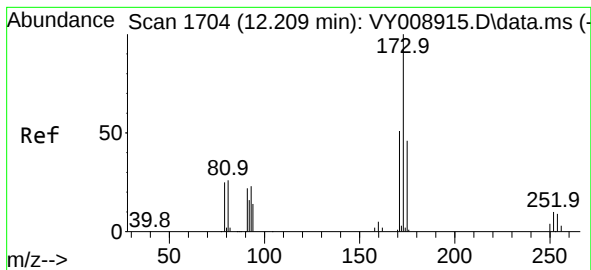
Tgt Ion:106 Resp: 162724  
Ion Ratio Lower Upper  
106 100  
91 204.3 110.3 331.0



#70  
Styrene  
Concen: 47.519 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion:104 Resp: 283051  
Ion Ratio Lower Upper  
104 100  
78 46.0 42.4 63.6  
103 54.9 44.4 66.6





#71

Bromoform

Concen: 46.698 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

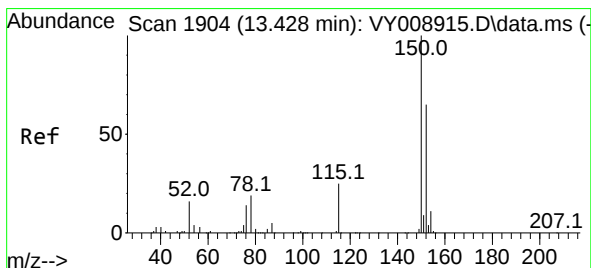
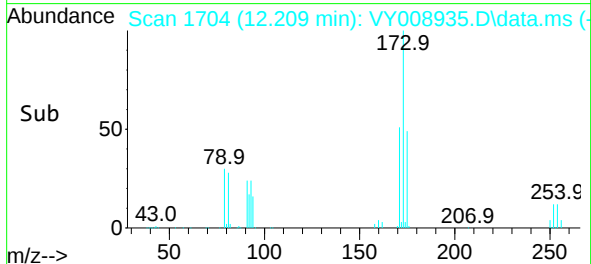
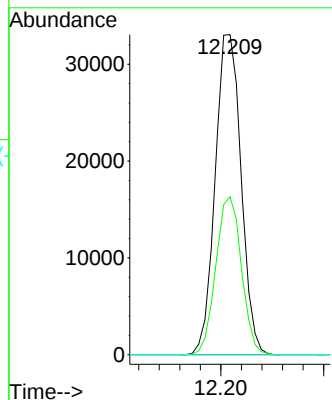
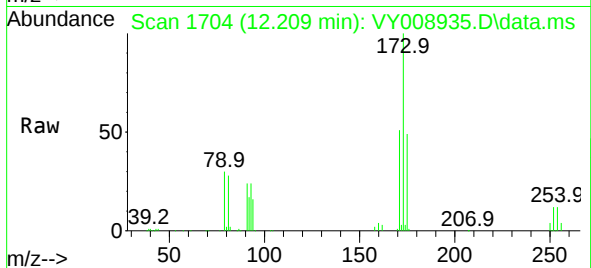
Tgt Ion:173 Resp: 57792

Ion Ratio Lower Upper

173 100

175 48.6 24.6 74.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

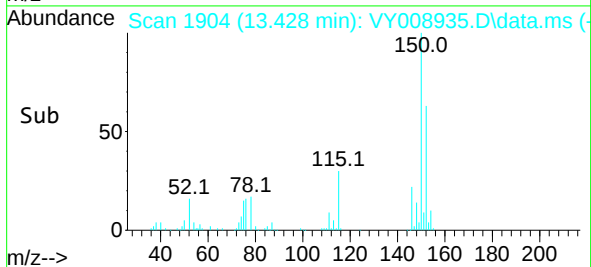
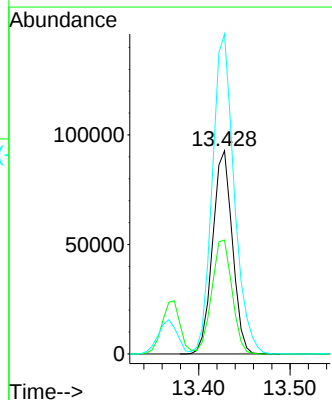
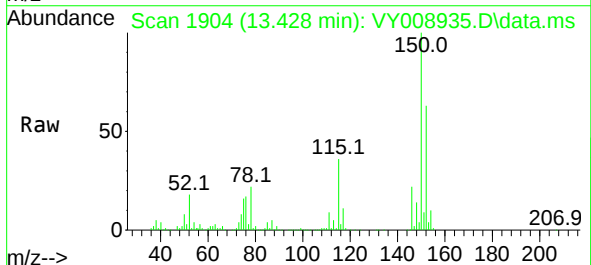
Tgt Ion:152 Resp: 139146

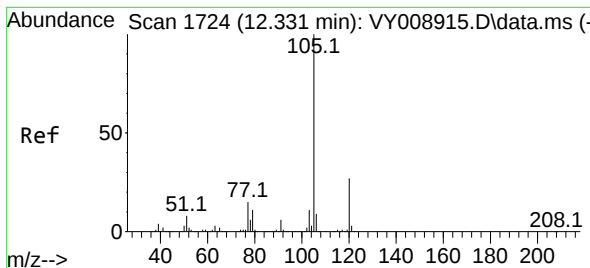
Ion Ratio Lower Upper

152 100

115 57.5 28.2 84.7

150 174.0 0.0 347.6





#73

Isopropylbenzene

Concen: 41.673 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

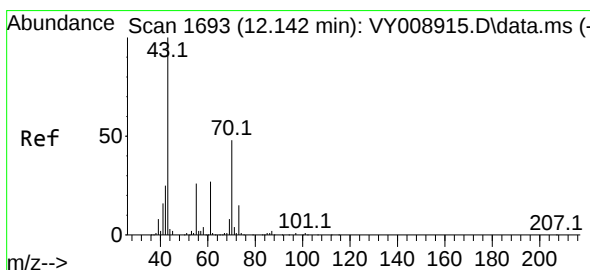
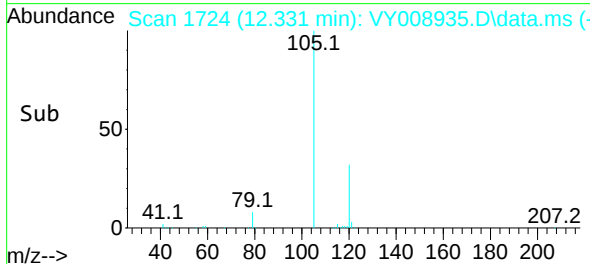
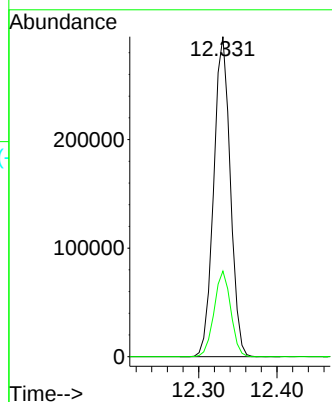
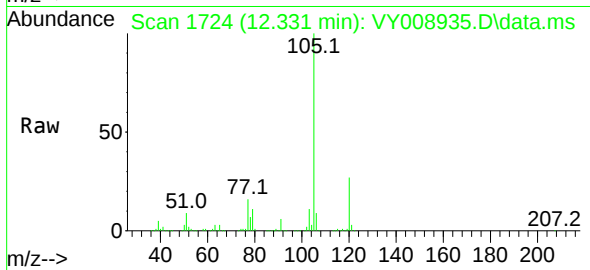
VSTDCCC050EC

Tgt Ion:105 Resp: 433587

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 44.171 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Tgt Ion: 43 Resp: 106034

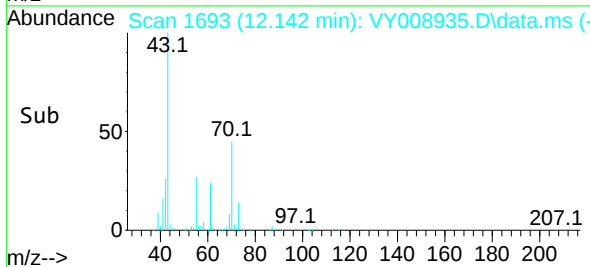
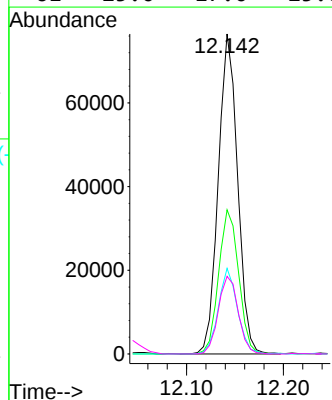
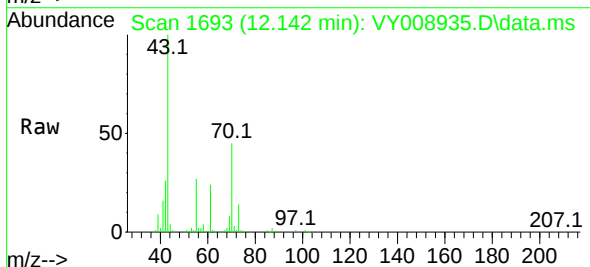
Ion Ratio Lower Upper

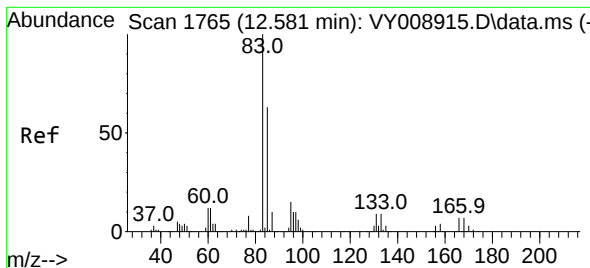
43 100

70 46.6 28.7 43.1#

55 26.6 17.3 25.9#

61 25.0 17.0 25.6

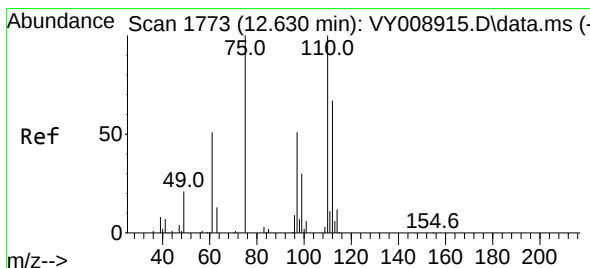
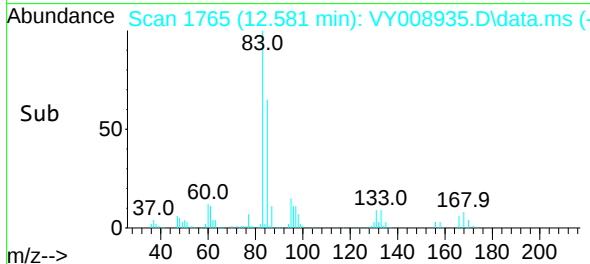
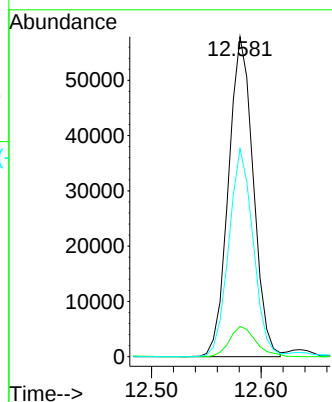
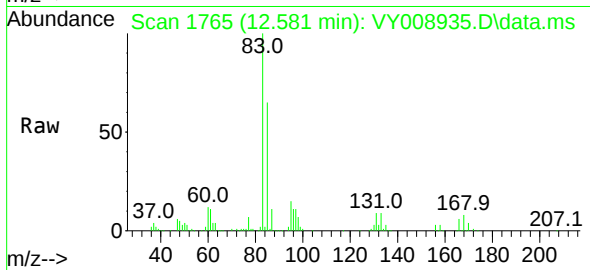




#75  
1,1,2,2-Tetrachloroethane  
Concen: 42.448 ug/l  
RT: 12.581 min Scan# 1765  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

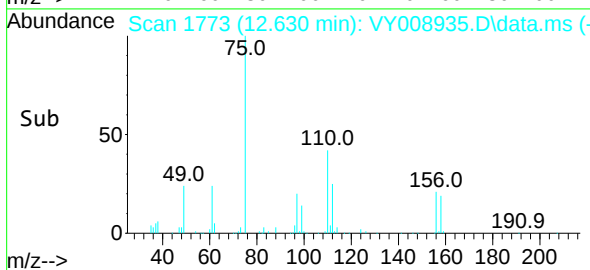
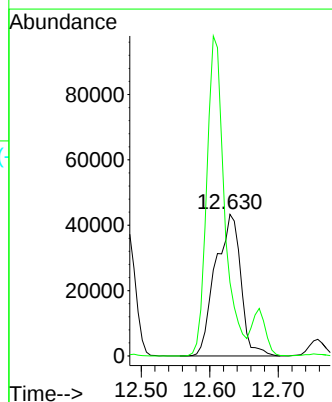
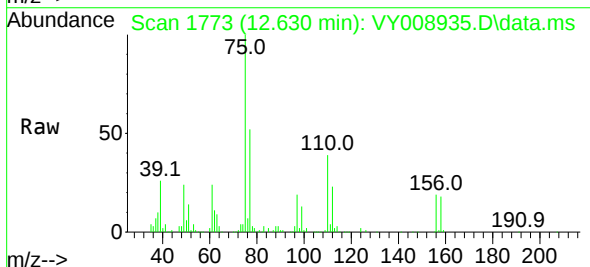
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

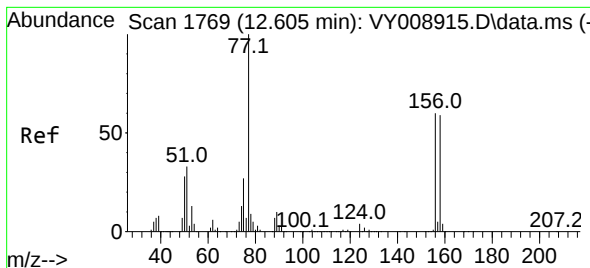
Tgt Ion: 83 Resp: 90978  
Ion Ratio Lower Upper  
83 100  
131 10.0 5.6 16.8  
85 64.0 32.3 96.8



#76  
1,2,3-Trichloropropane  
Concen: 74.631 ug/l  
RT: 12.630 min Scan# 1773  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 75 Resp: 111518  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 41.706 ug/l

RT: 12.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

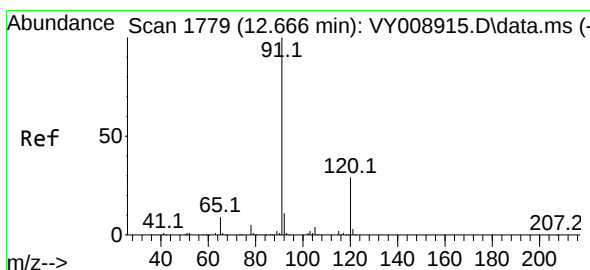
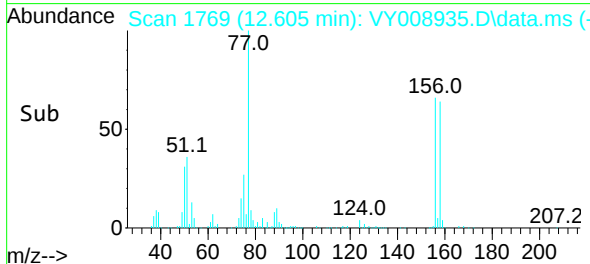
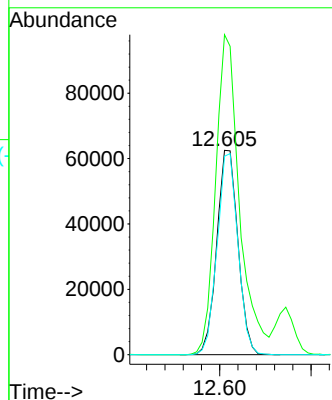
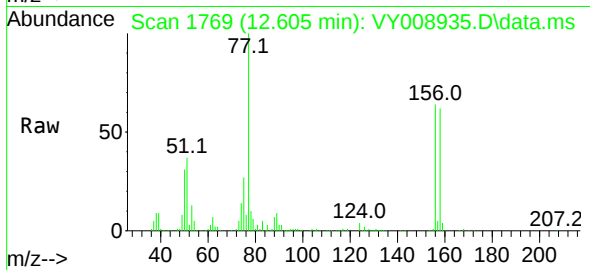
Tgt Ion:156 Resp: 100590

Ion Ratio Lower Upper

156 100

77 176.3 95.5 286.4

158 96.8 48.0 144.0



#78

n-propylbenzene

Concen: 44.551 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY008935.D

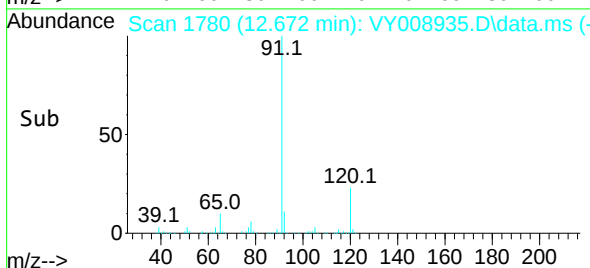
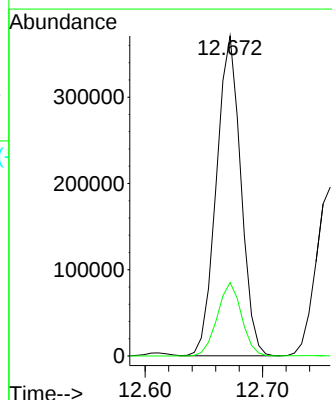
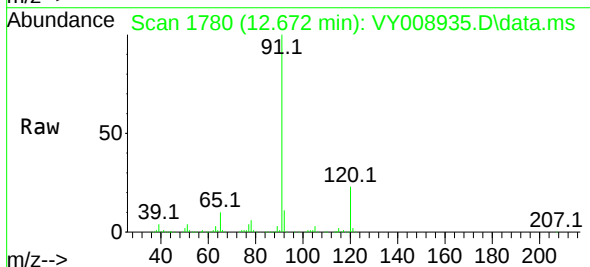
Acq: 21 May 2022 04:22

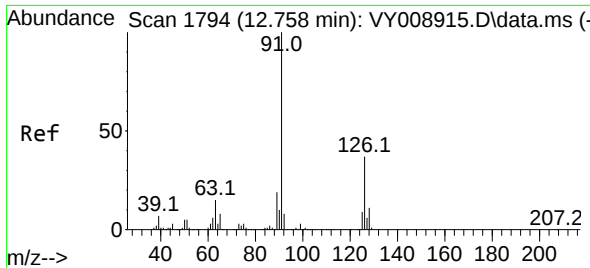
Tgt Ion: 91 Resp: 535542

Ion Ratio Lower Upper

91 100

120 22.7 11.3 33.9

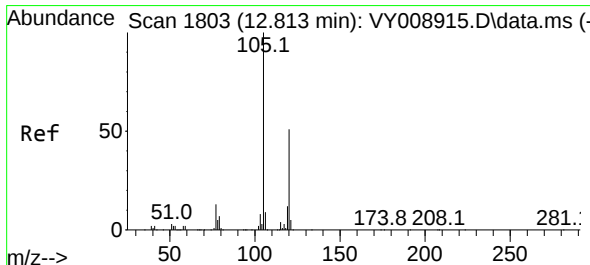
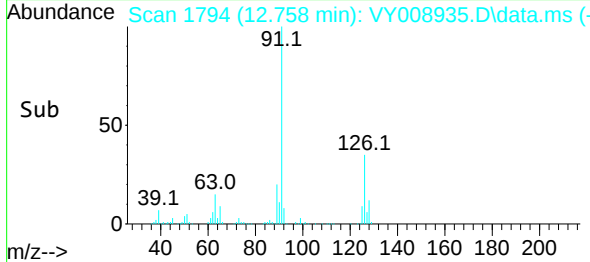
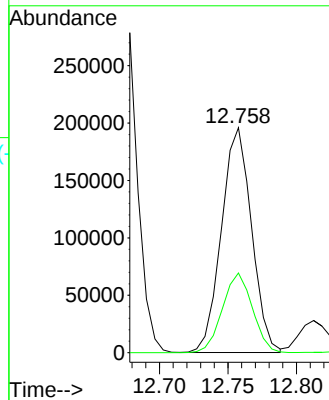
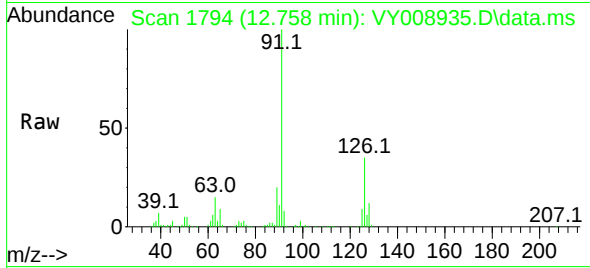




#79  
2-Chlorotoluene  
Concen: 43.210 ug/l  
RT: 12.758 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

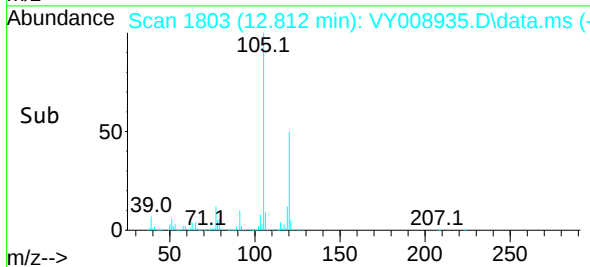
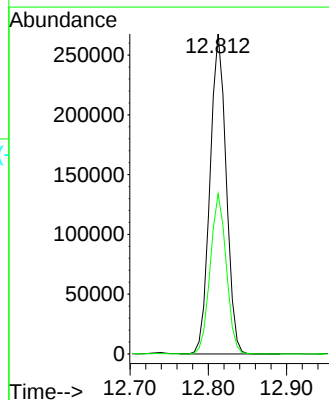
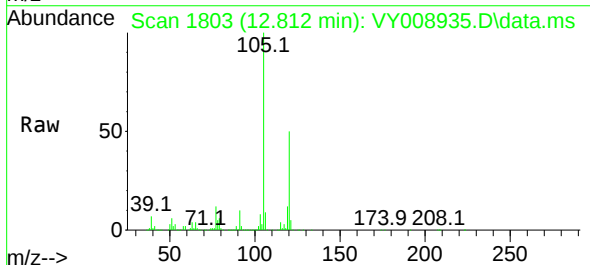
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

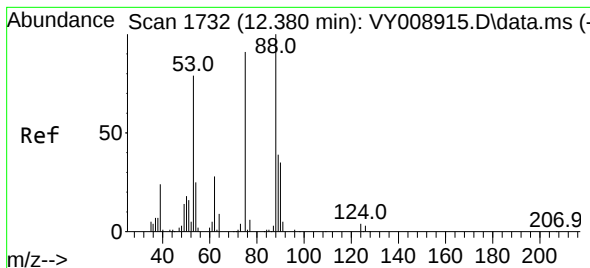
Tgt Ion: 91 Resp: 299612  
Ion Ratio Lower Upper  
91 100  
126 35.2 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 43.910 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.001 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 105 Resp: 382935  
Ion Ratio Lower Upper  
105 100  
120 49.6 24.4 73.4

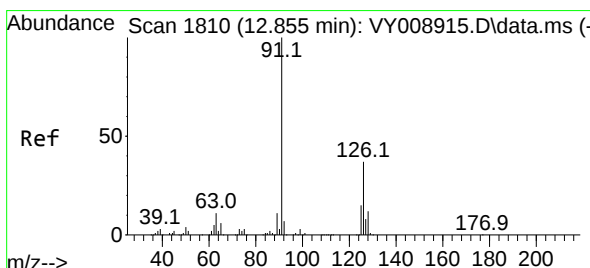
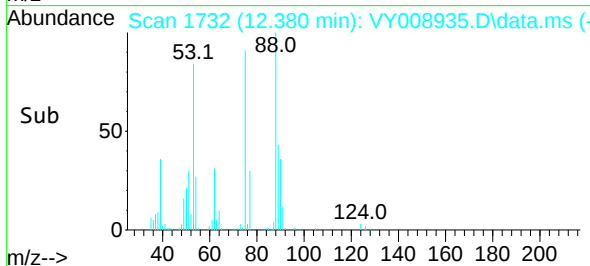
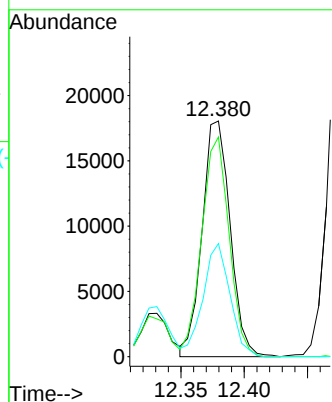
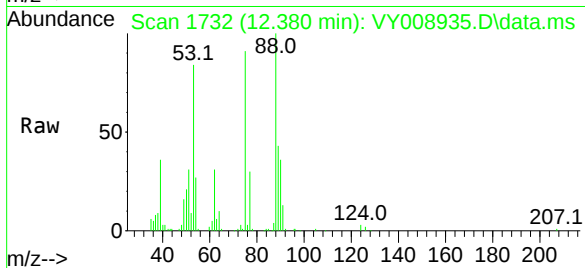




#81  
trans-1,4-Dichloro-2-butene  
Concen: 38.239 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

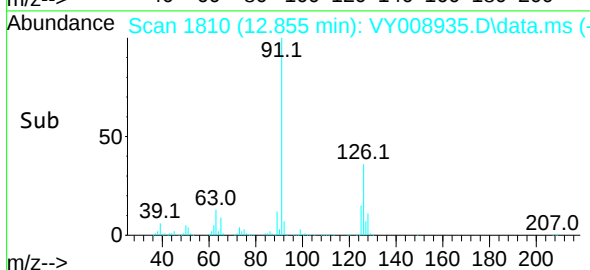
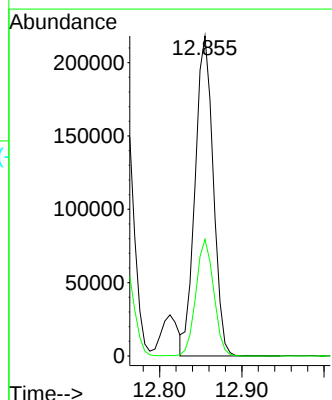
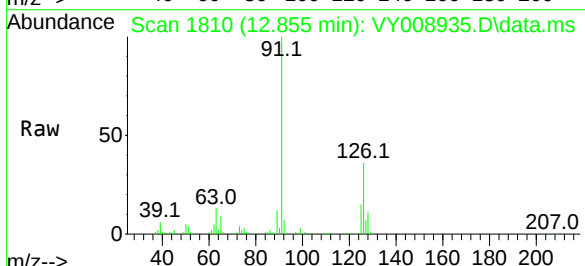
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

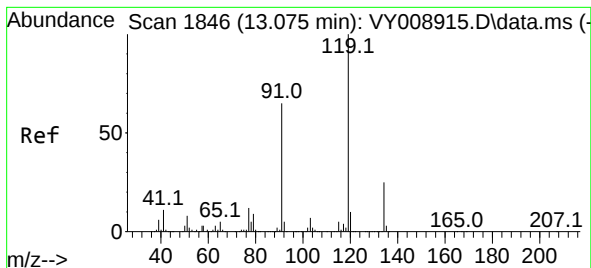
Tgt Ion: 75 Resp: 27839  
Ion Ratio Lower Upper  
75 100  
53 90.9 85.3 127.9  
89 46.3 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 44.884 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 91 Resp: 332878  
Ion Ratio Lower Upper  
91 100  
126 35.9 17.0 51.0

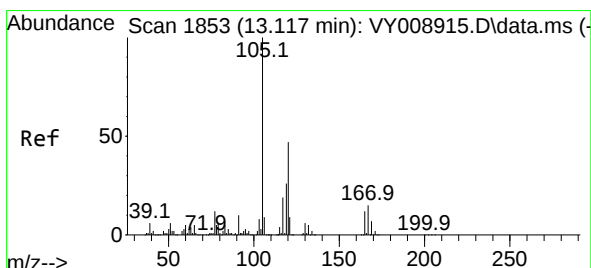
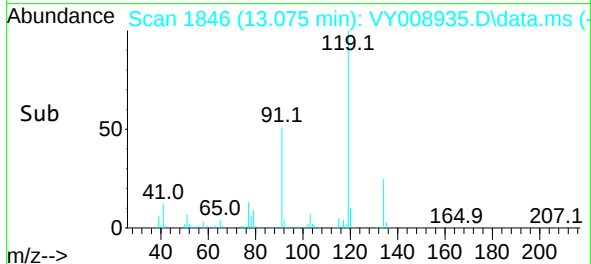
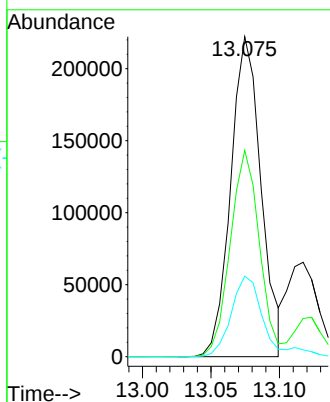
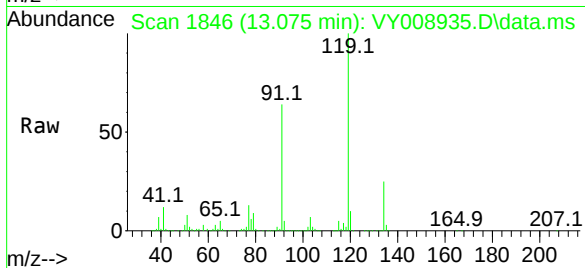




#83  
 tert-Butylbenzene  
 Concen: 44.358 ug/l  
 RT: 13.075 min Scan# 1846  
 Delta R.T. -0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

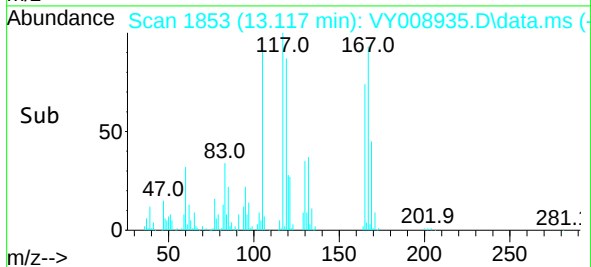
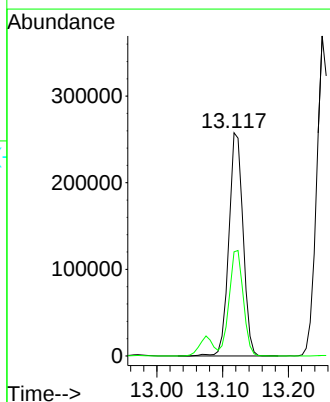
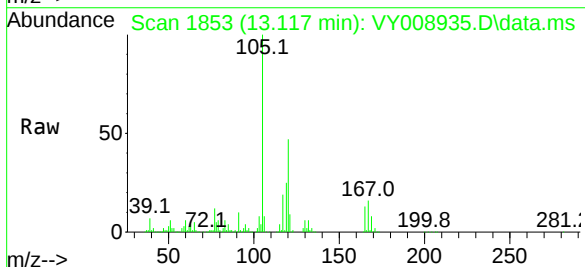
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050EC

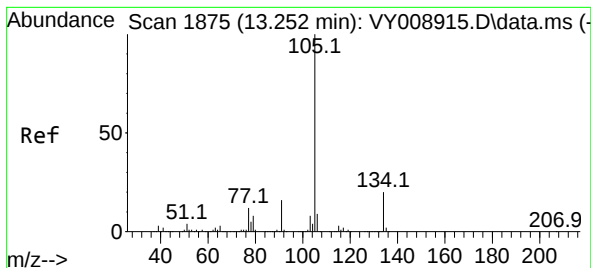
Tgt Ion:119 Resp: 343201  
 Ion Ratio Lower Upper  
 119 100  
 91 61.5 34.8 104.4  
 134 25.2 13.3 39.9



#84  
 1,2,4-Trimethylbenzene  
 Concen: 44.655 ug/l  
 RT: 13.117 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: VY008935.D  
 Acq: 21 May 2022 04:22

Tgt Ion:105 Resp: 386591  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 22.3 66.9





#85

sec-Butylbenzene

Concen: 44.982 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.001 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

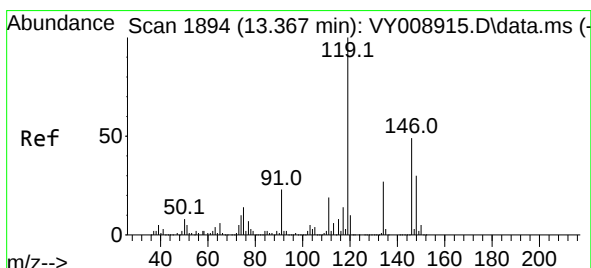
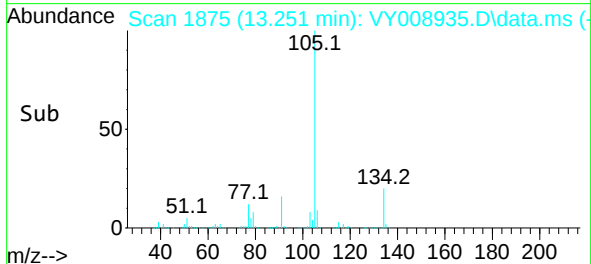
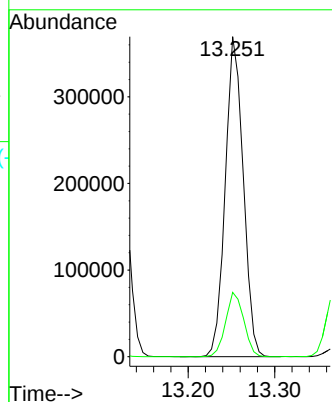
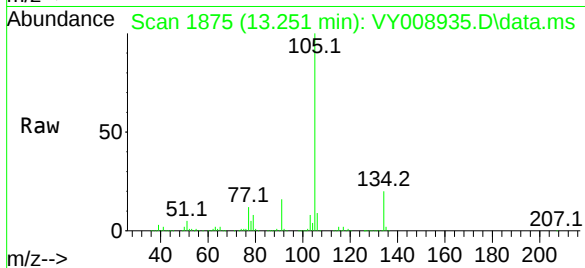
VSTDCCC050EC

Tgt Ion:105 Resp: 532481

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



#86

p-Isopropyltoluene

Concen: 43.915 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

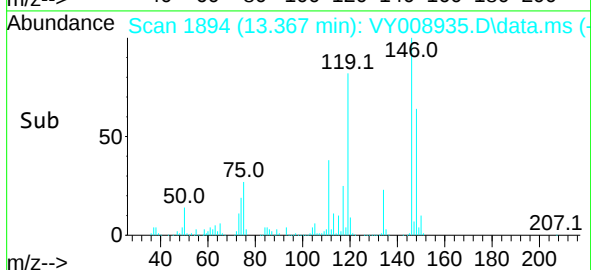
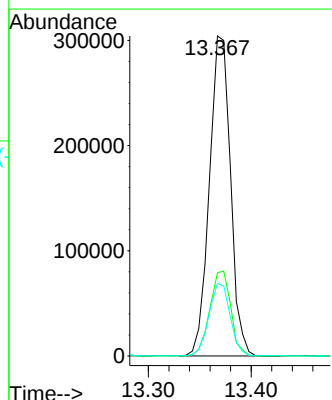
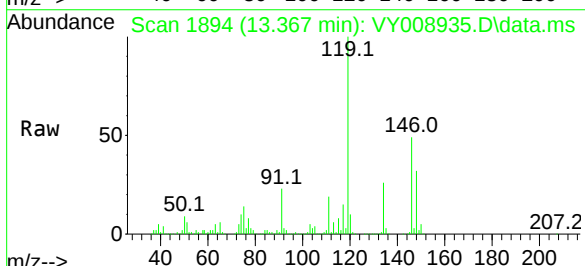
Tgt Ion:119 Resp: 433506

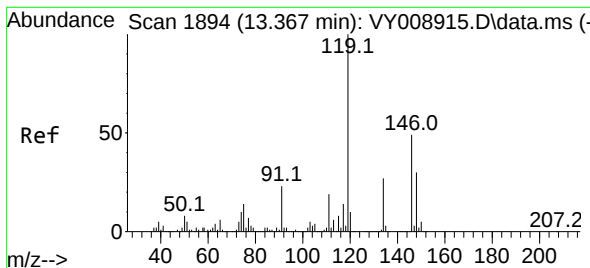
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 22.7 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 43.527 ug/l

RT: 13.367 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

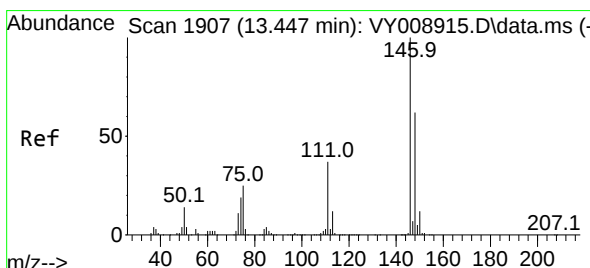
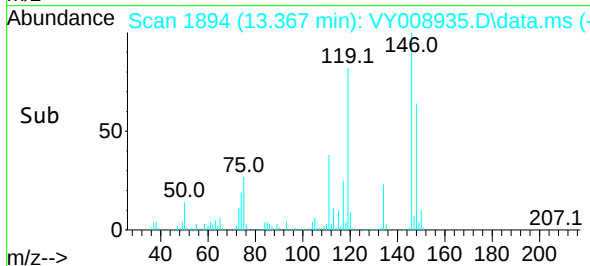
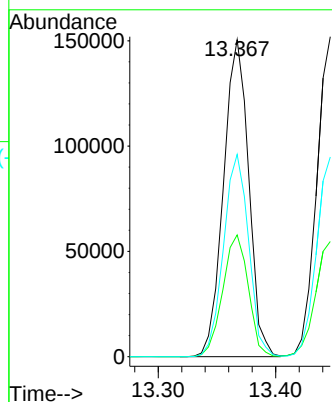
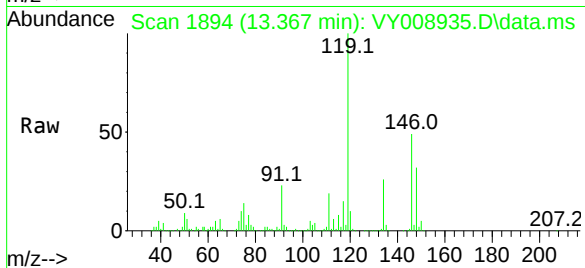
Tgt Ion:146 Resp: 223941

Ion Ratio Lower Upper

146 100

111 39.1 19.5 58.5

148 63.7 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 44.201 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.001 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

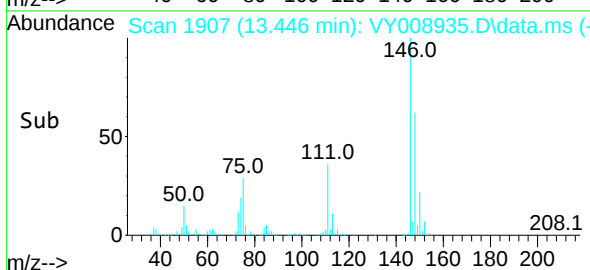
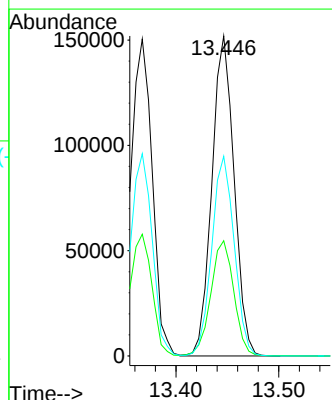
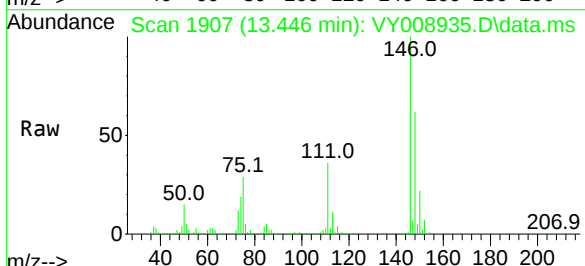
Tgt Ion:146 Resp: 228471

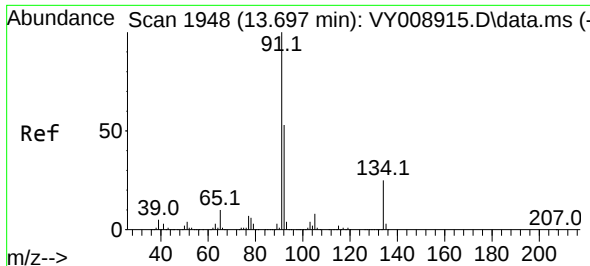
Ion Ratio Lower Upper

146 100

111 37.3 19.3 57.8

148 63.1 32.6 97.8

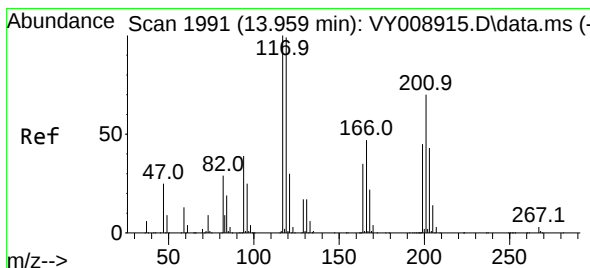
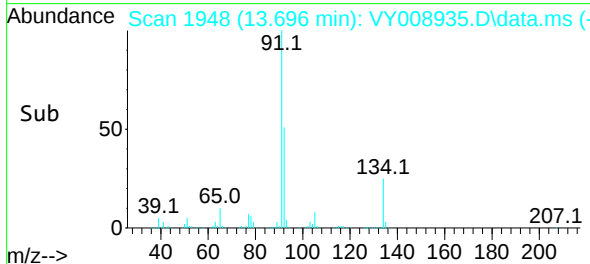
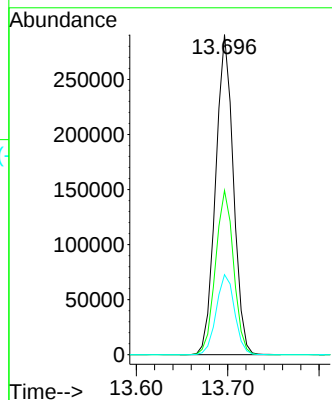
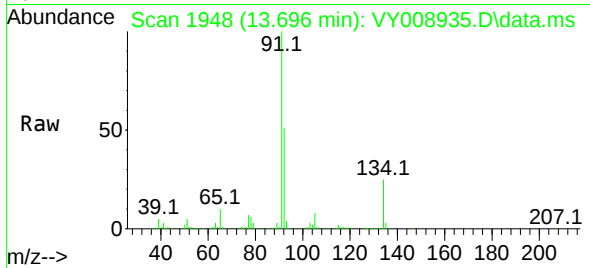




#89  
n-Butylbenzene  
Concen: 43.414 ug/l  
RT: 13.696 min Scan# 1948  
Delta R.T. -0.001 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

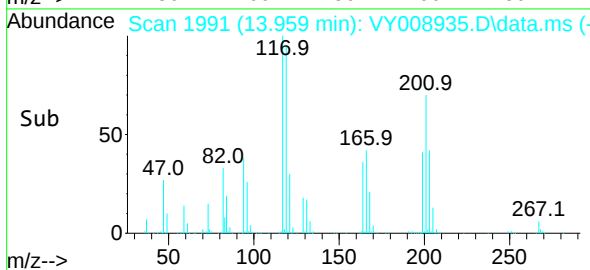
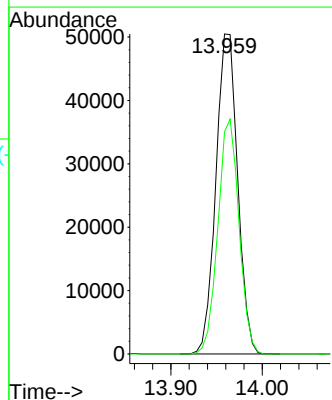
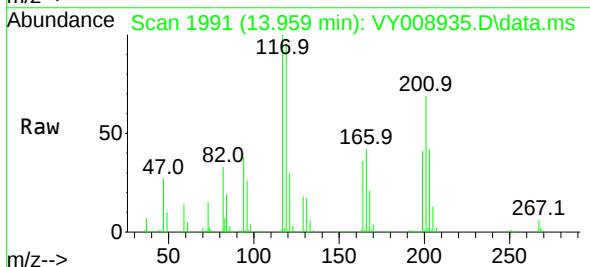
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

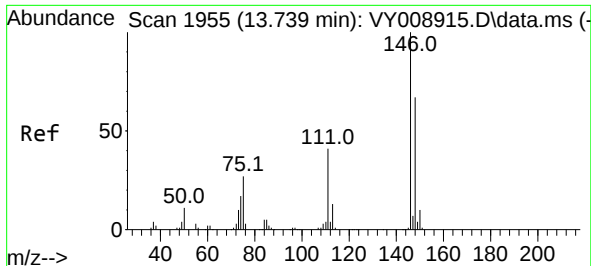
Tgt Ion: 91 Resp: 392068  
Ion Ratio Lower Upper  
91 100  
92 52.3 26.3 78.9  
134 25.9 13.0 38.9



#90  
Hexachloroethane  
Concen: 45.173 ug/l  
RT: 13.959 min Scan# 1991  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 117 Resp: 83567  
Ion Ratio Lower Upper  
117 100  
201 71.3 43.0 128.8

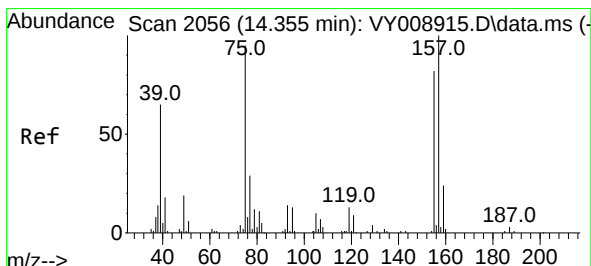
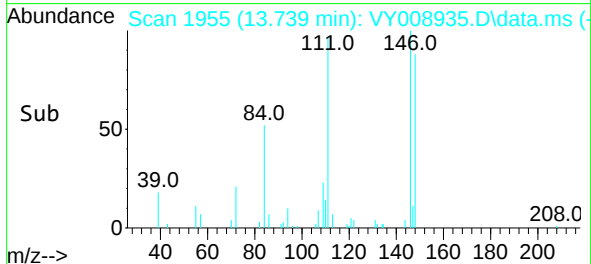
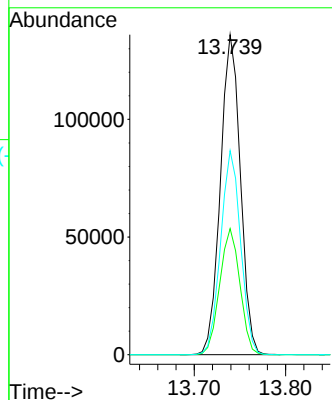
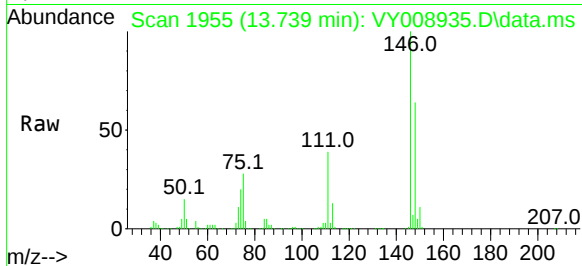




#91  
1,2-Dichlorobenzene  
Concen: 45.549 ug/l  
RT: 13.739 min Scan# 1955  
Delta R.T. 0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

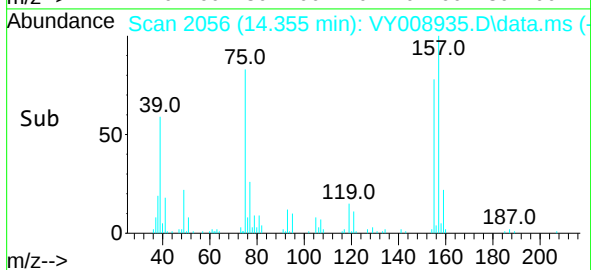
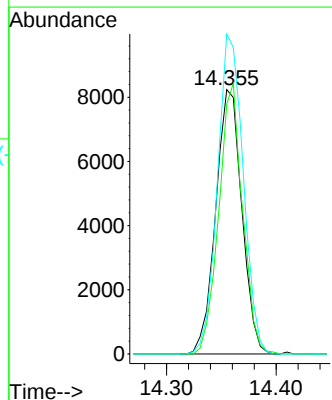
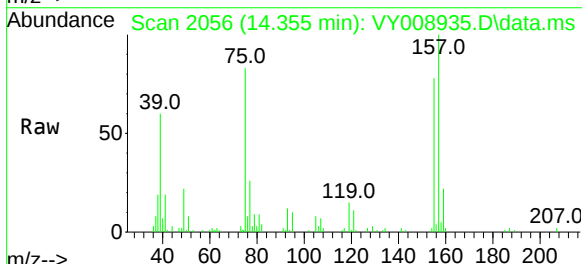
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050EC

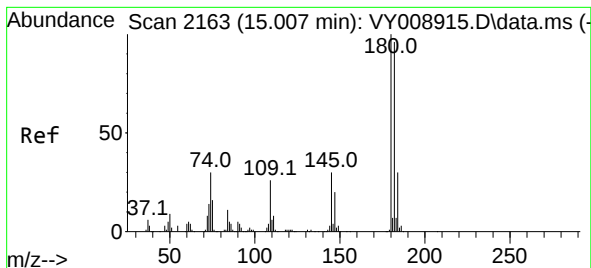
Tgt Ion:146 Resp: 206866  
Ion Ratio Lower Upper  
146 100  
111 39.8 20.3 60.9  
148 63.7 32.3 96.9



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 40.988 ug/l  
RT: 14.355 min Scan# 2056  
Delta R.T. -0.000 min  
Lab File: VY008935.D  
Acq: 21 May 2022 04:22

Tgt Ion: 75 Resp: 13639  
Ion Ratio Lower Upper  
75 100  
155 93.0 38.0 113.9  
157 119.0 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 40.807 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

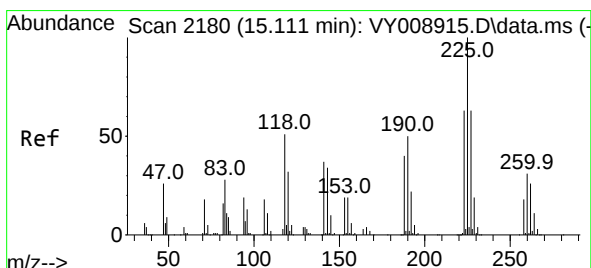
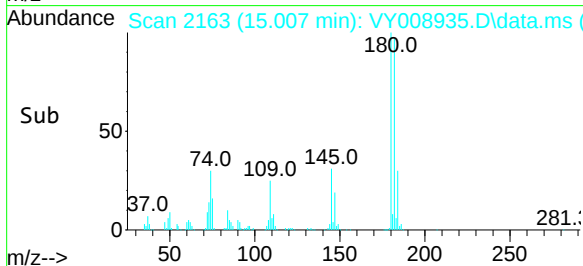
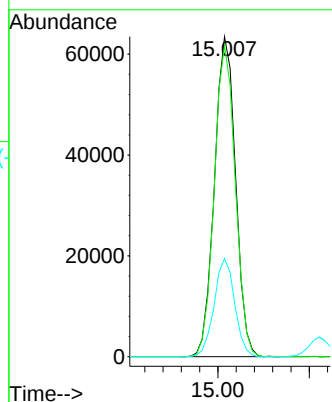
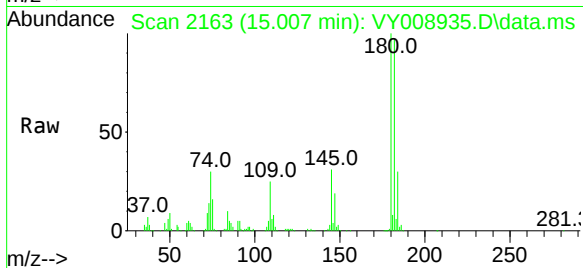
Tgt Ion:180 Resp: 101711

Ion Ratio Lower Upper

180 100

182 96.7 47.3 141.9

145 29.8 14.6 43.8



#94

Hexachlorobutadiene

Concen: 41.640 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

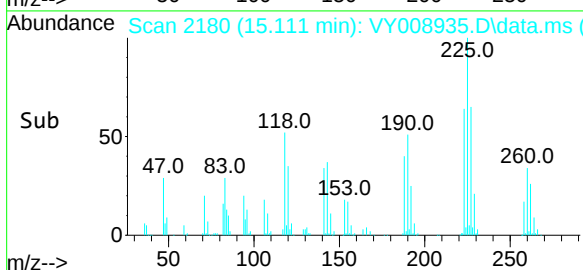
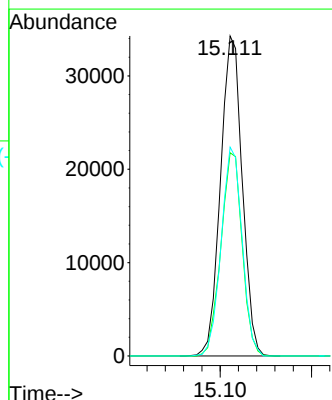
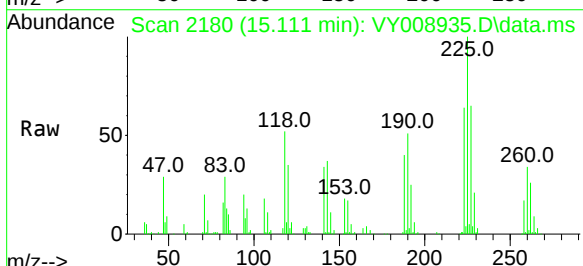
Tgt Ion:225 Resp: 56567

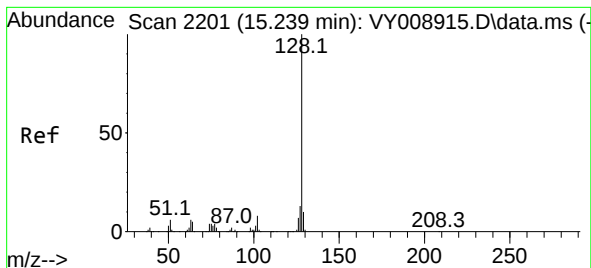
Ion Ratio Lower Upper

225 100

223 62.1 30.8 92.3

227 62.8 31.6 94.7





#95

Naphthalene

Concen: 43.443 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050EC

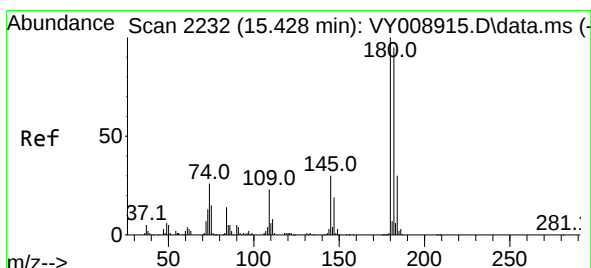
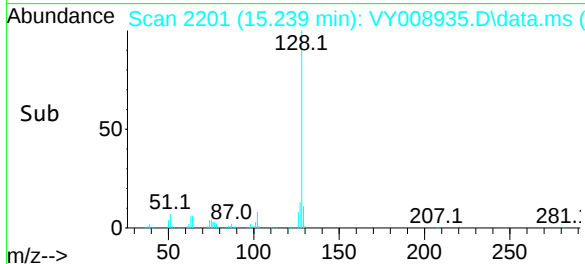
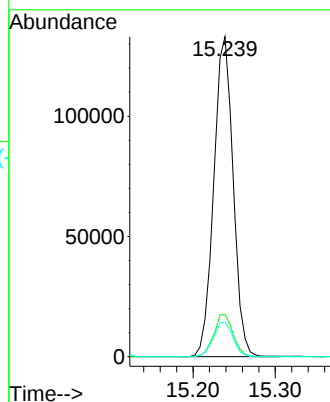
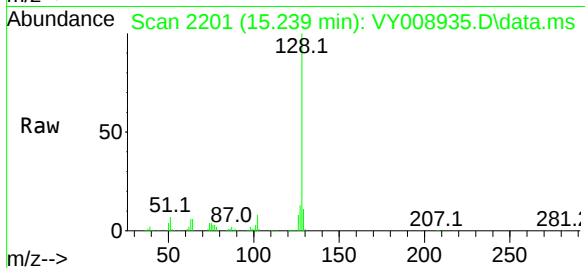
Tgt Ion:128 Resp: 217524

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.4

129 11.0 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 41.533 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY008935.D

Acq: 21 May 2022 04:22

Tgt Ion:180 Resp: 89958

Ion Ratio Lower Upper

180 100

182 96.7 47.3 141.9

145 31.9 15.3 45.9

