

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
 Data File : VY009580.D  
 Acq On : 19 Jul 2022 10:21  
 Operator : KP/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Jul 19 15:08:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.783  | 168   | 215922   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.685  | 114   | 322625   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.489 | 117   | 290489   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.422 | 152   | 148020   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.136  | 65    | 100969   | 49.444   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.880%  |
| 35) Dibromofluoromethane     | 7.710  | 113   | 101234   | 49.807   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 99.620%  |
| 50) Toluene-d8               | 10.179 | 98    | 389443   | 49.841   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 125 | Recovery | =      | 99.680%  |
| 62) 4-Bromofluorobenzene     | 12.477 | 95    | 127747   | 50.456   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 146 | Recovery | =      | 100.920% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.900  | 85    | 83868    | 44.266   | ug/l   | 100      |
| 3) Chloromethane             | 2.107  | 50    | 126725   | 45.135   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.247  | 62    | 133736   | 45.549   | ug/l   | 98       |
| 5) Bromomethane              | 2.643  | 94    | 91153    | 45.869   | ug/l   | 99       |
| 6) Chloroethane              | 2.784  | 64    | 82594    | 46.310   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.119  | 101   | 156483   | 44.977   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.521  | 74    | 52489    | 46.110   | ug/l   | 87       |
| 9) 1,1,2-Trichlorotrifluo... | 3.887  | 101   | 92235    | 45.335   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.082  | 142   | 120381   | 44.544   | ug/l # | 88       |
| 11) Tert butyl alcohol       | 4.948  | 59    | 42900    | 206.083  | ug/l # | 95       |
| 12) 1,1-Dichloroethene       | 3.863  | 96    | 90817    | 45.737   | ug/l   | 81       |
| 13) Acrolein                 | 3.722  | 56    | 32702    | 223.997  | ug/l   | 99       |
| 14) Allyl chloride           | 4.472  | 41    | 143055   | 46.573   | ug/l # | 92       |
| 15) Acrylonitrile            | 5.155  | 53    | 133237   | 236.990  | ug/l   | 98       |
| 16) Acetone                  | 3.942  | 43    | 138971   | 269.018  | ug/l   | 91       |
| 17) Carbon Disulfide         | 4.186  | 76    | 282329   | 45.737   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.466  | 43    | 62306    | 42.967   | ug/l # | 91       |
| 19) Methyl tert-butyl Ether  | 5.216  | 73    | 250350   | 47.838   | ug/l   | 97       |
| 20) Methylene Chloride       | 4.704  | 84    | 119205   | 45.159   | ug/l   | 85       |
| 21) trans-1,2-Dichloroethene | 5.210  | 96    | 102993   | 45.828   | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.112  | 45    | 309683   | 47.215   | ug/l   | 92       |
| 23) Vinyl Acetate            | 6.051  | 43    | 1016610  | 245.654  | ug/l # | 94       |
| 24) 1,1-Dichloroethane       | 6.009  | 63    | 173845   | 45.890   | ug/l   | 99       |
| 25) 2-Butanone               | 6.978  | 43    | 190524   | 252.839  | ug/l # | 89       |
| 26) 2,2-Dichloropropane      | 6.972  | 77    | 154539   | 45.537   | ug/l   | 93       |
| 27) cis-1,2-Dichloroethene   | 6.978  | 96    | 115676   | 46.554   | ug/l   | 87       |
| 28) Bromochloromethane       | 7.325  | 49    | 83859    | 51.664   | ug/l # | 83       |
| 29) Tetrahydrofuran          | 7.338  | 42    | 119974   | 242.505  | ug/l   | 90       |
| 30) Chloroform               | 7.502  | 83    | 177062   | 45.690   | ug/l   | 99       |
| 31) Cyclohexane              | 7.777  | 56    | 158312   | 43.966   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.697  | 97    | 161089   | 46.343   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 7.911  | 75    | 140332   | 46.722   | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.063  | 43    | 80158    | 47.952   | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.892  | 117   | 145370   | 46.235   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.179  | 83    | 172712   | 46.636   | ug/l   | 91       |
| 40) Benzene                  | 8.155  | 78    | 403743   | 45.940   | ug/l   | 95       |

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 ALS Vial : 2 Sample Multiplier: 1

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.338  | 41   | 109290   | 136.247 | ug/l # | 1        |
| 42) 1,2-Dichloroethane        | 8.234  | 62   | 115339   | 46.782  | ug/l   | 92       |
| 43) Isopropyl Acetate         | 8.270  | 43   | 146017   | 47.670  | ug/l # | 93       |
| 44) Trichloroethene           | 8.935  | 130  | 115595   | 46.248  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.209  | 63   | 99035    | 45.930  | ug/l   | 97       |
| 46) Dibromomethane            | 9.301  | 93   | 59224    | 47.292  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.490  | 83   | 138361   | 47.118  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.289  | 41   | 68824    | 50.856  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 9.295  | 88   | 16009    | 959.041 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.069 | 43   | 394792   | 248.231 | ug/l   | 93       |
| 52) Toluene                   | 10.240 | 92   | 259233   | 46.566  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.465 | 75   | 144715   | 47.714  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.923  | 75   | 165619   | 48.026  | ug/l # | 85       |
| 55) 1,1,2-Trichloroethane     | 10.642 | 97   | 81764    | 46.360  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.508 | 69   | 112164   | 49.709  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 10.788 | 76   | 138089   | 47.182  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.776  | 63   | 315862   | 258.213 | ug/l   | 95       |
| 59) 2-Hexanone                | 10.831 | 43   | 285490   | 258.089 | ug/l   | 90       |
| 60) Dibromochloromethane      | 10.983 | 129  | 101069   | 47.358  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.087 | 107  | 81351    | 47.277  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.715 | 164  | 105447   | 46.383  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.514 | 112  | 278462   | 46.911  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.587 | 131  | 104809   | 47.523  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.587 | 91   | 489788   | 46.913  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.697 | 106  | 392402   | 94.440  | ug/l   | 91       |
| 69) o-Xylene                  | 12.026 | 106  | 186737   | 48.025  | ug/l   | 90       |
| 70) Styrene                   | 12.044 | 104  | 316517   | 48.942  | ug/l   | 94       |
| 71) Bromoform                 | 12.203 | 173  | 67630    | 48.592  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.325 | 105  | 483926   | 47.220  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.142 | 43   | 138362   | 50.764  | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 96105    | 46.825  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.629 | 75   | 124712   | 88.445  | ug/l # | 100      |
| 77) Bromobenzene              | 12.605 | 156  | 121652   | 47.204  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.666 | 91   | 584562   | 47.204  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.751 | 91   | 320965   | 46.747  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 403162   | 47.608  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.379 | 75   | 34373    | 48.067  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 12.855 | 91   | 330851   | 46.449  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.074 | 119  | 356997   | 47.450  | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 402137   | 47.483  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.251 | 105  | 526905   | 47.236  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.367 | 119  | 452655   | 48.287  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.367 | 146  | 236535   | 46.397  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.446 | 146  | 233327   | 46.160  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.696 | 91   | 414159   | 48.375  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.958 | 117  | 84568    | 46.825  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.739 | 146  | 209941   | 47.140  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.355 | 75   | 15211    | 48.716  | ug/l   | 69       |
| 93) 1,2,4-Trichlorobenzene    | 15.007 | 180  | 136327   | 48.771  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.111 | 225  | 81188    | 48.960  | ug/l   | 99       |
| 95) Naphthalene               | 15.233 | 128  | 271791   | 50.928  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 120499   | 49.075  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Tue Jul 19 04:22:09 2022  
Response via : Initial Calibration

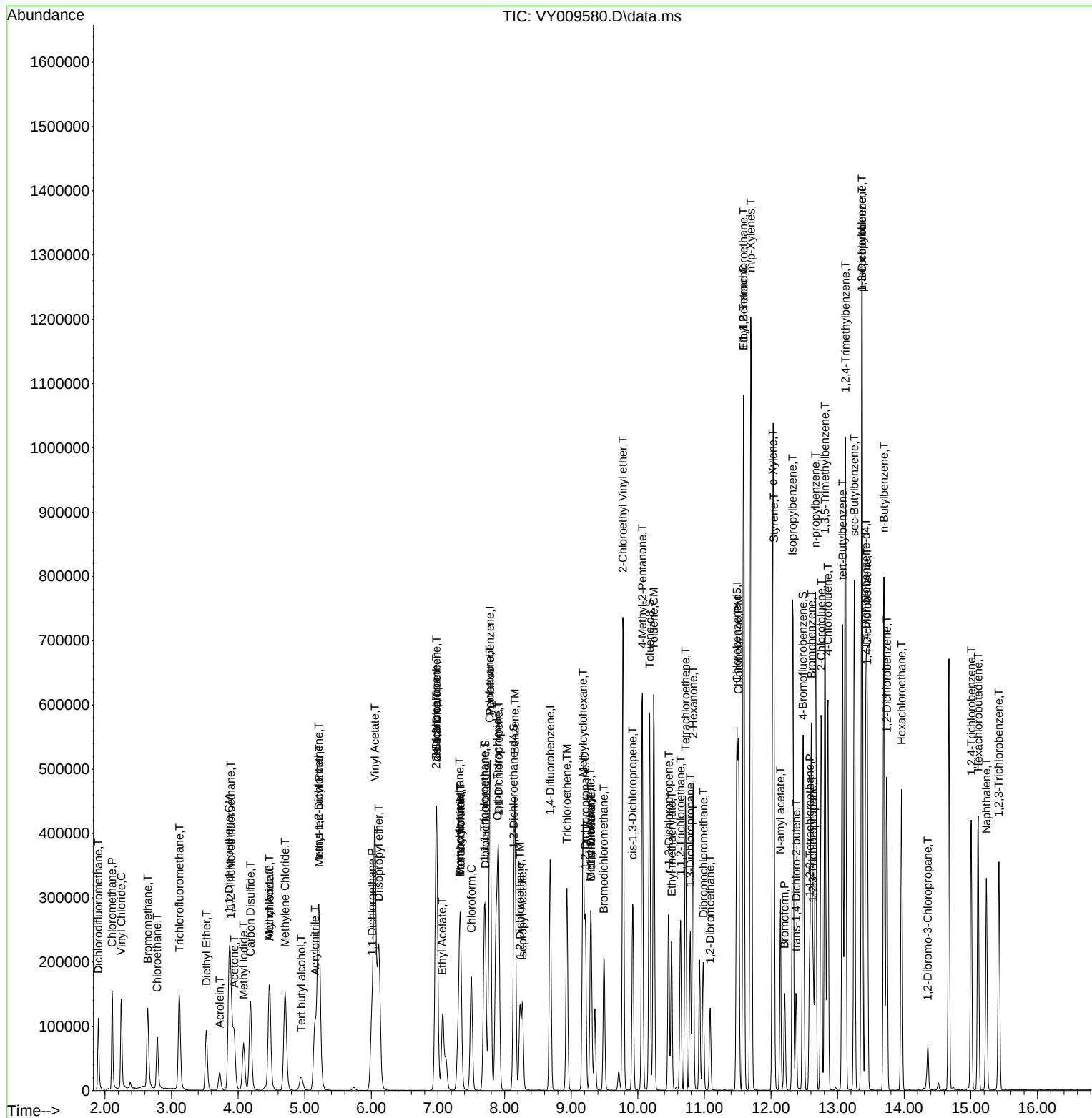
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

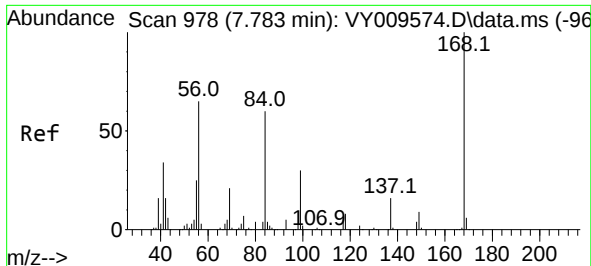
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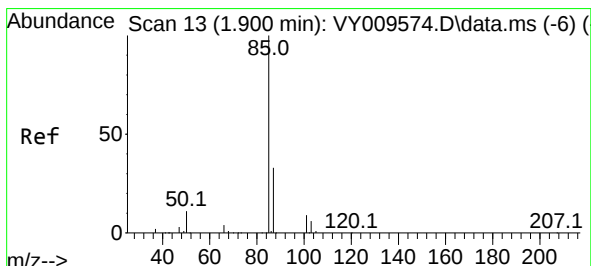
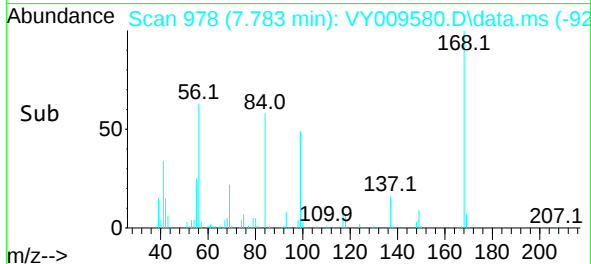
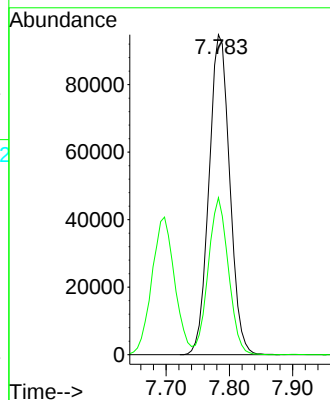
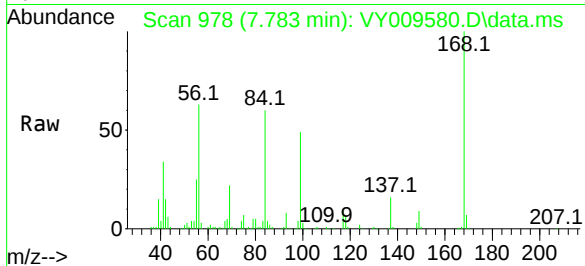




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

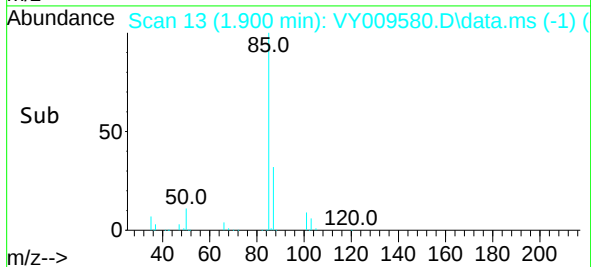
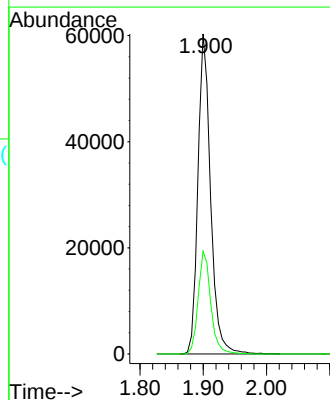
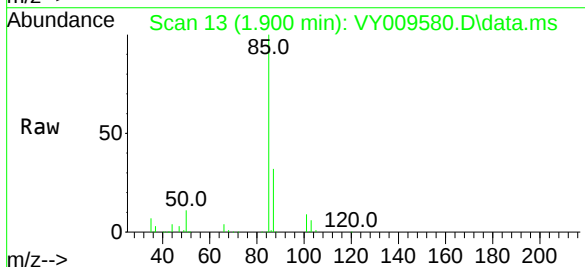
Instrument :  
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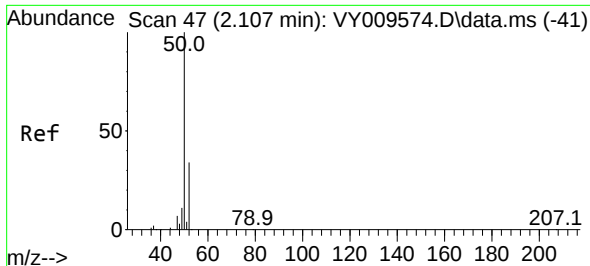
Tgt Ion:168 Resp: 215922  
Ion Ratio Lower Upper  
168 100  
99 49.0 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: 44.266 ug/l  
RT: 1.900 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 85 Resp: 83868  
Ion Ratio Lower Upper  
85 100  
87 32.1 16.1 48.2

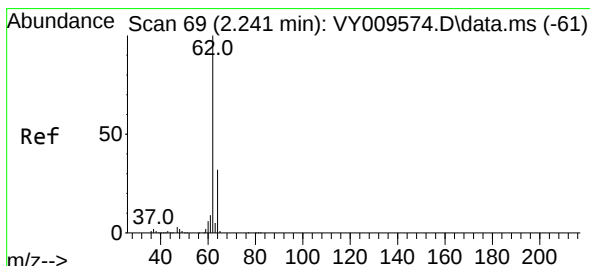
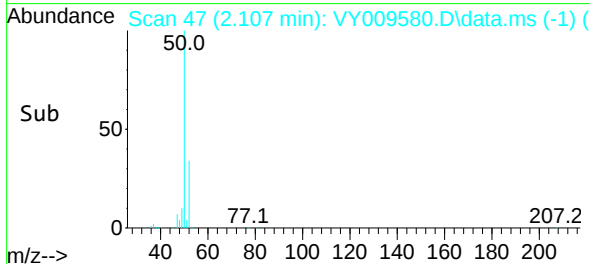
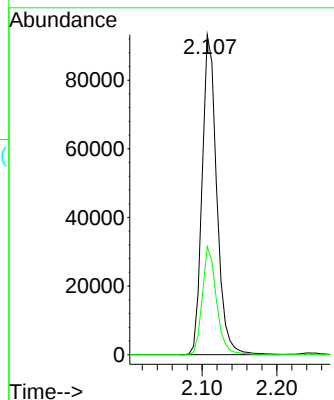
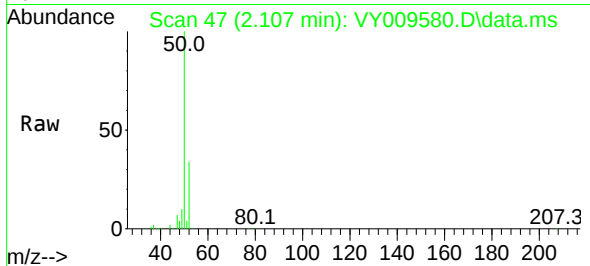




#3  
Chloromethane  
Concen: 45.135 ug/l  
RT: 2.107 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

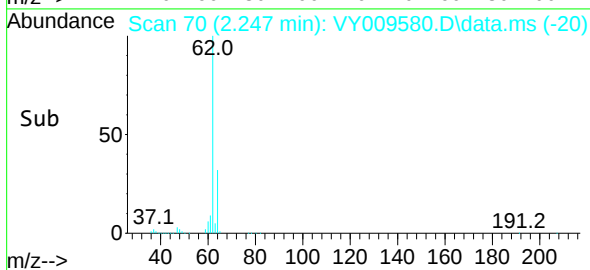
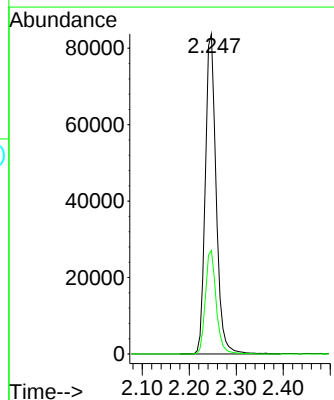
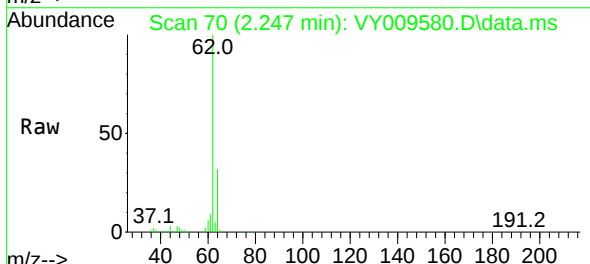
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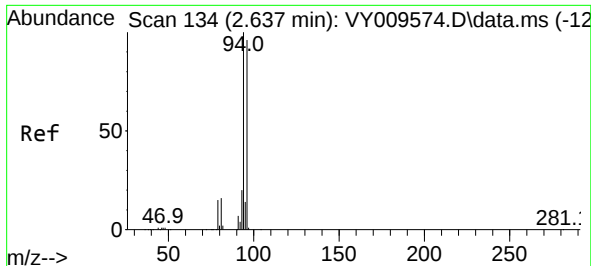
Tgt Ion: 50 Resp: 126725  
Ion Ratio Lower Upper  
50 100  
52 33.8 24.6 37.0



#4  
Vinyl Chloride  
Concen: 45.549 ug/l  
RT: 2.247 min Scan# 70  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 62 Resp: 133736  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.0 37.6

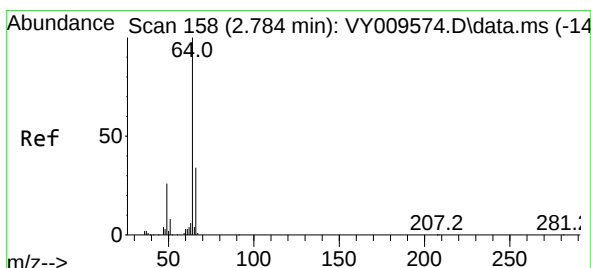
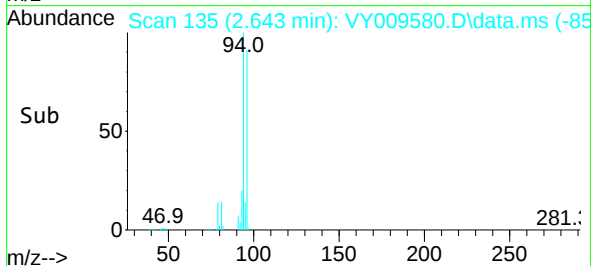
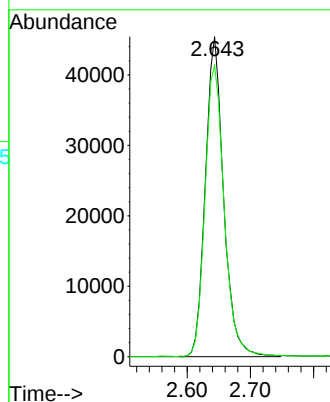
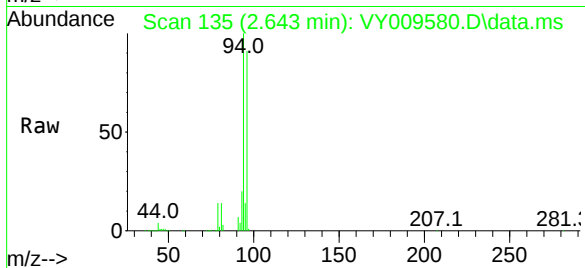




#5  
Bromomethane  
Concen: 45.869 ug/l  
RT: 2.643 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

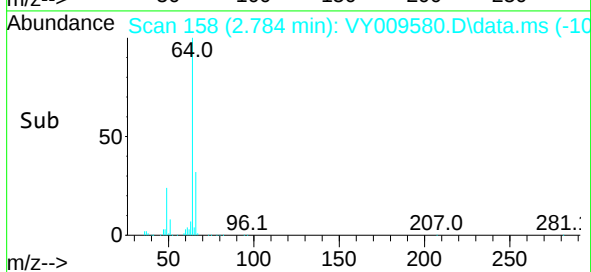
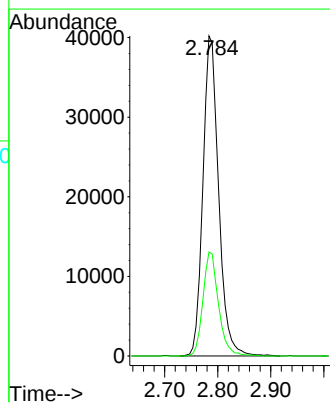
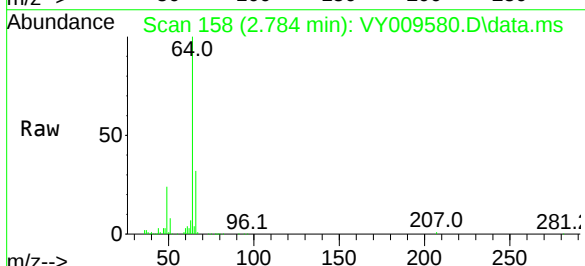
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MSVOA\_Y  
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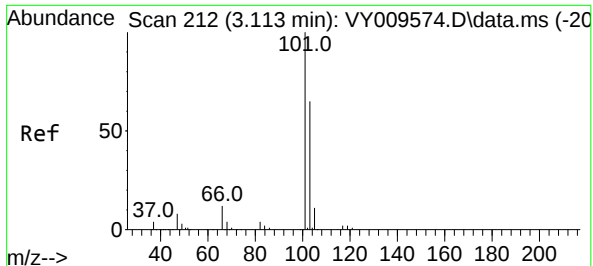
Tgt Ion: 94 Resp: 91153  
Ion Ratio Lower Upper  
94 100  
96 90.7 73.5 110.3



#6  
Chloroethane  
Concen: 46.310 ug/l  
RT: 2.784 min Scan# 158  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 64 Resp: 82594  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.4 38.0

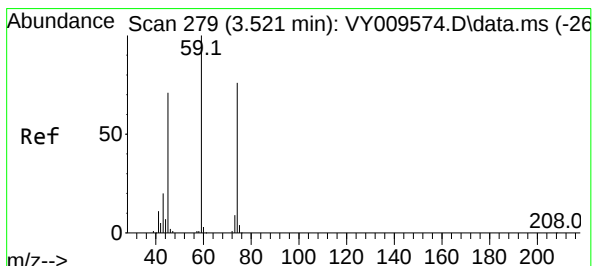
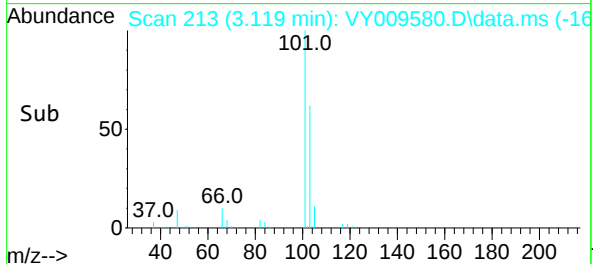
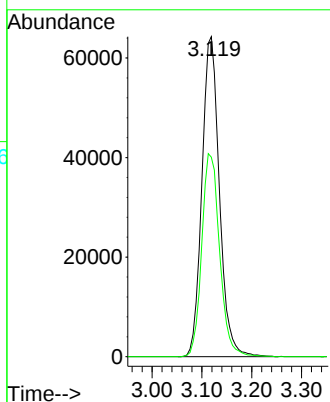
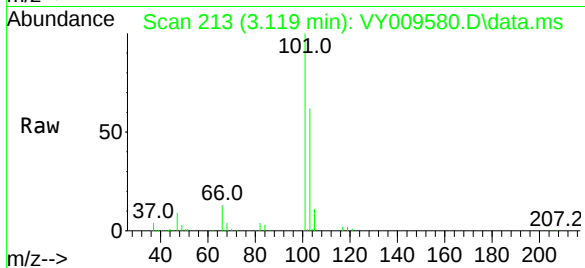




#7  
 Trichlorofluoromethane  
 Concen: 44.977 ug/l  
 RT: 3.119 min Scan# 212  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

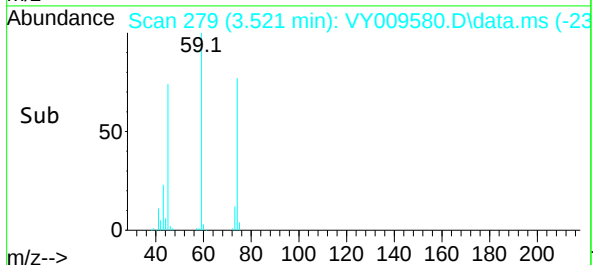
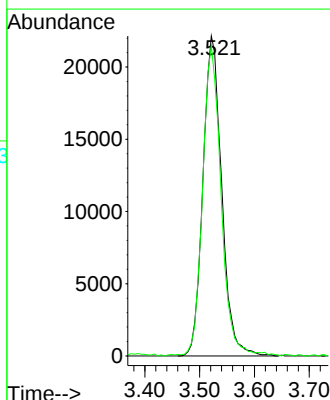
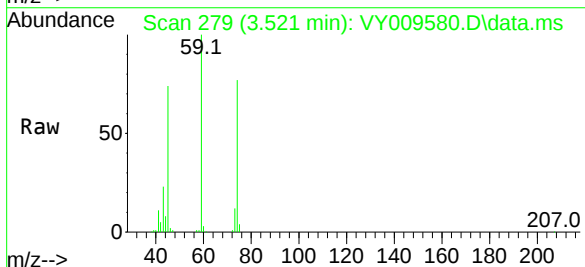
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

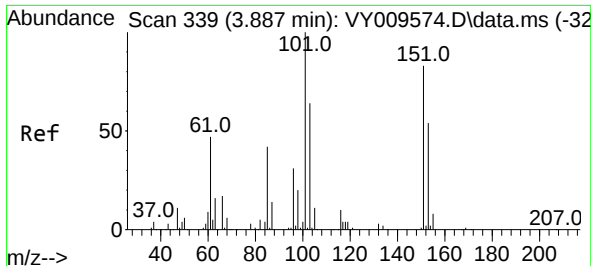
Tgt Ion:101 Resp: 156483  
 Ion Ratio Lower Upper  
 101 100  
 103 62.3 48.0 72.0



#8  
 Diethyl Ether  
 Concen: 46.110 ug/l  
 RT: 3.521 min Scan# 279  
 Delta R.T. -0.000 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

Tgt Ion: 74 Resp: 52489  
 Ion Ratio Lower Upper  
 74 100  
 45 96.1 55.1 165.5

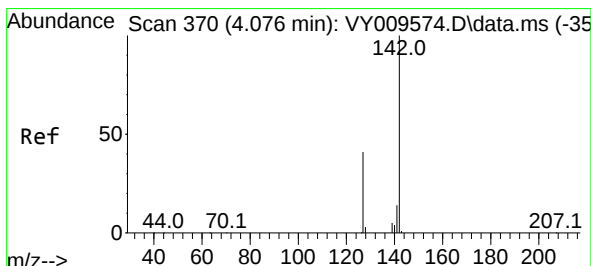
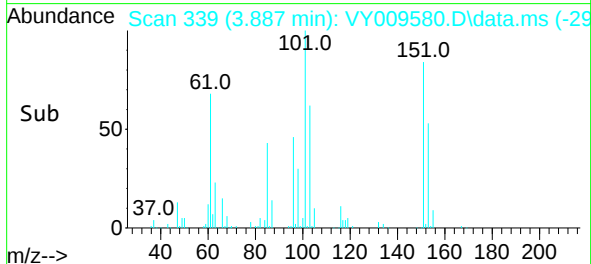
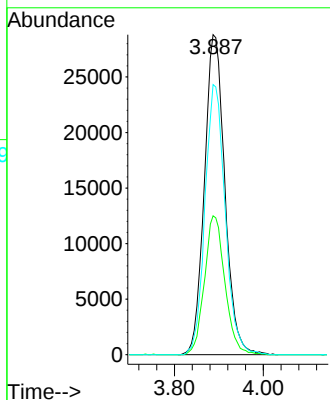
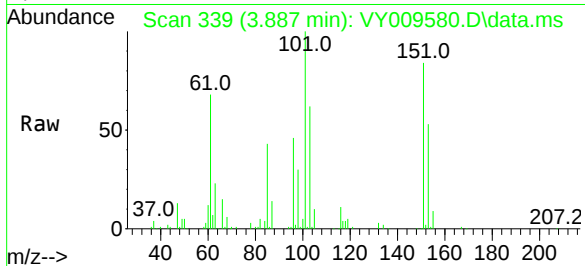




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 45.335 ug/l  
RT: 3.887 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

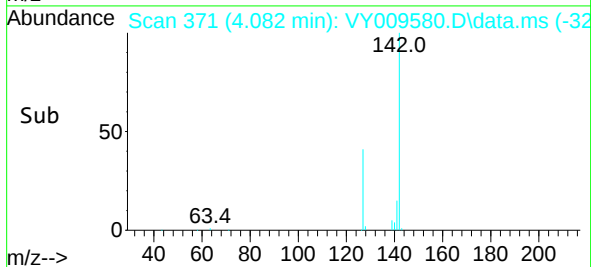
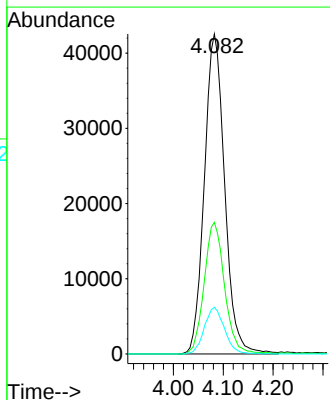
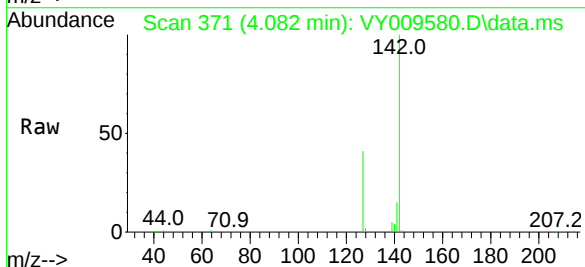
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

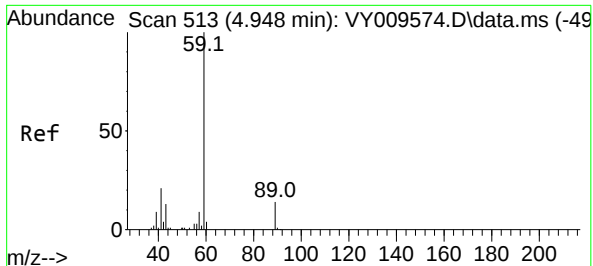
Tgt Ion:101 Resp: 92235  
Ion Ratio Lower Upper  
101 100  
85 43.4 40.6 60.8  
151 83.5 64.9 97.3



#10  
Methyl Iodide  
Concen: 44.544 ug/l  
RT: 4.082 min Scan# 371  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:142 Resp: 120381  
Ion Ratio Lower Upper  
142 100  
127 41.3 41.5 62.3#  
141 14.5 11.9 17.9

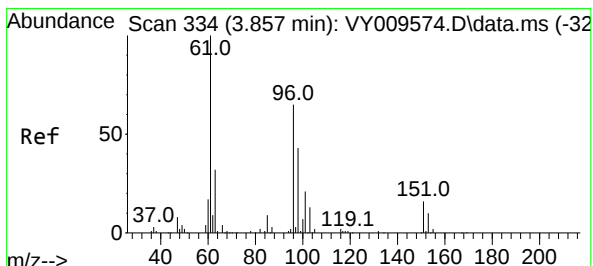
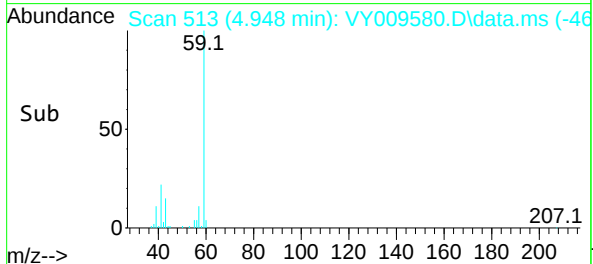
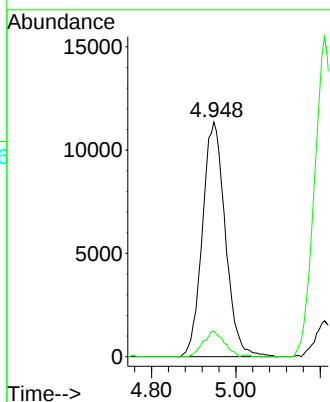
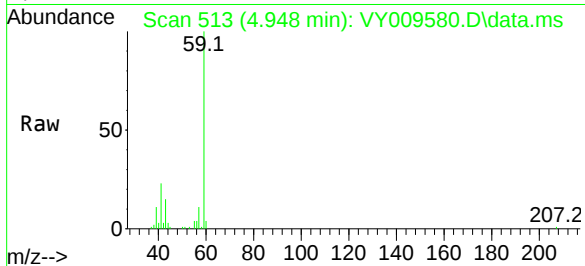




#11  
Tert butyl alcohol  
Concen: 206.083 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

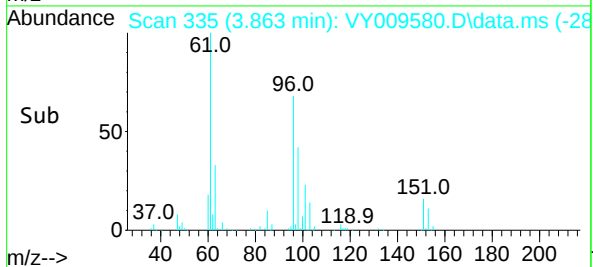
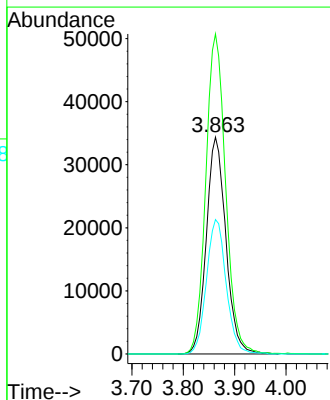
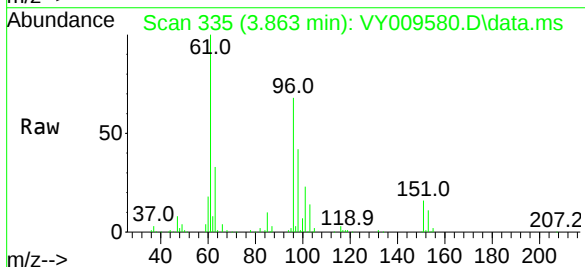
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

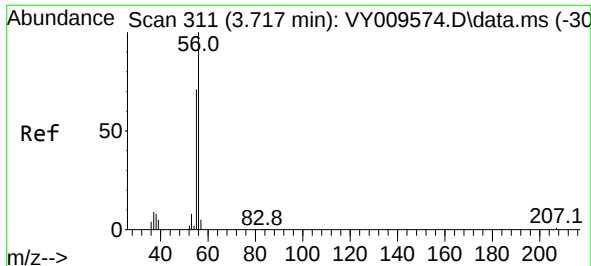
Tgt Ion: 59 Resp: 42900  
Ion Ratio Lower Upper  
59 100  
57 9.9 6.4 9.6#



#12  
1,1-Dichloroethene  
Concen: 45.737 ug/l  
RT: 3.863 min Scan# 335  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 96 Resp: 90817  
Ion Ratio Lower Upper  
96 100  
61 147.6 145.8 218.6  
98 62.0 52.5 78.7

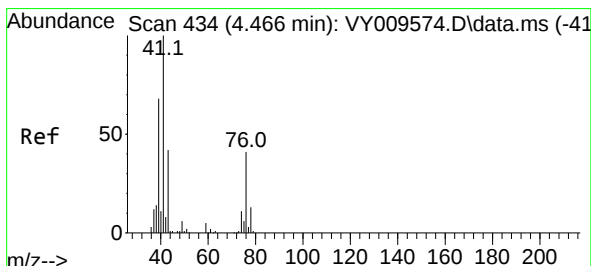
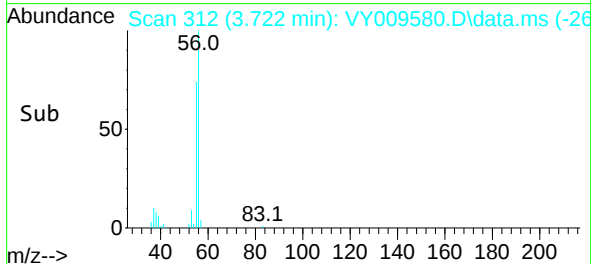
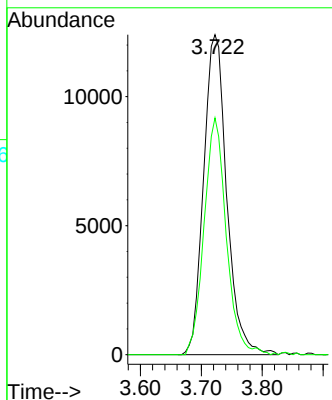
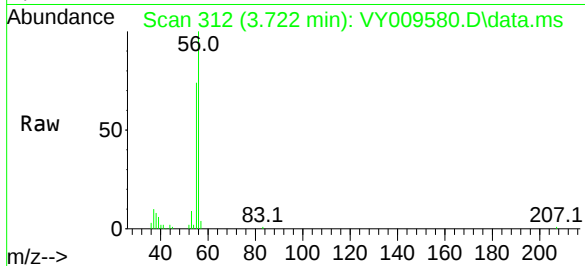




#13  
Acrolein  
Concen: 223.997 ug/l  
RT: 3.722 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

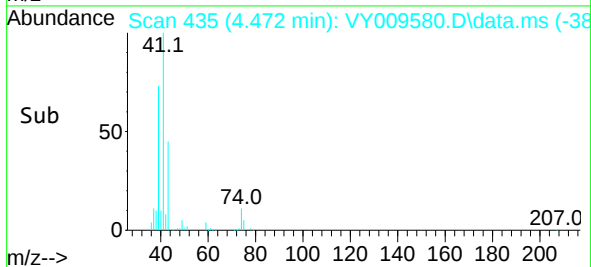
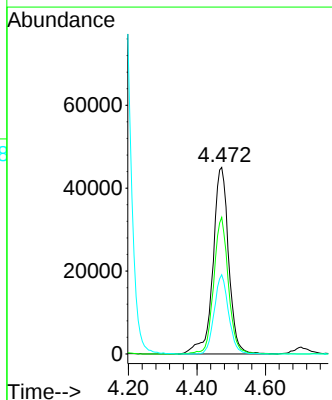
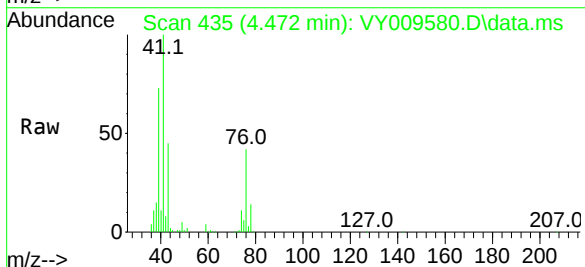
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

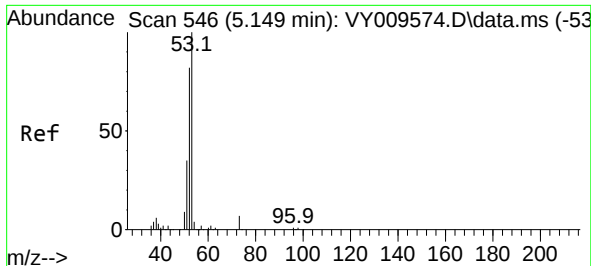
Tgt Ion: 56 Resp: 32702  
Ion Ratio Lower Upper  
56 100  
55 70.9 57.6 86.4



#14  
Allyl chloride  
Concen: 46.573 ug/l  
RT: 4.472 min Scan# 435  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 41 Resp: 143055  
Ion Ratio Lower Upper  
41 100  
39 68.3 58.8 88.2  
76 38.5 25.1 37.7#

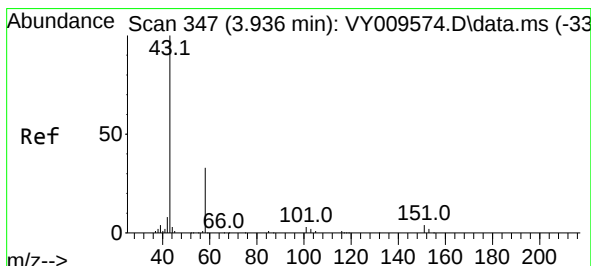
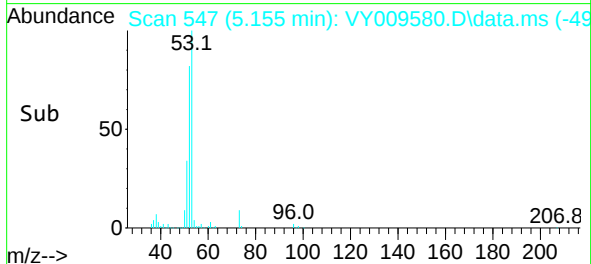
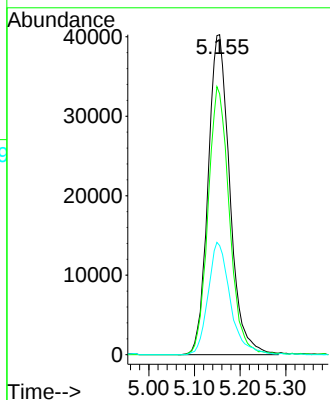
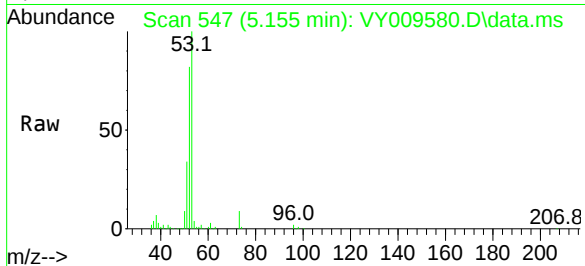




#15  
Acrylonitrile  
Concen: 236.990 ug/l  
RT: 5.155 min Scan# 54  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

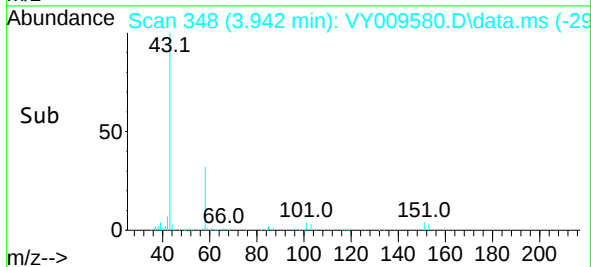
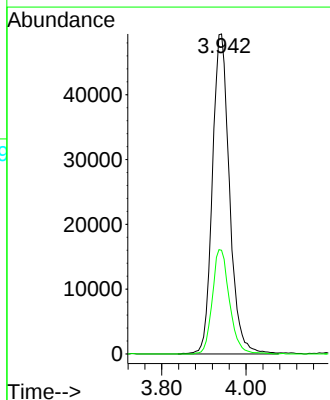
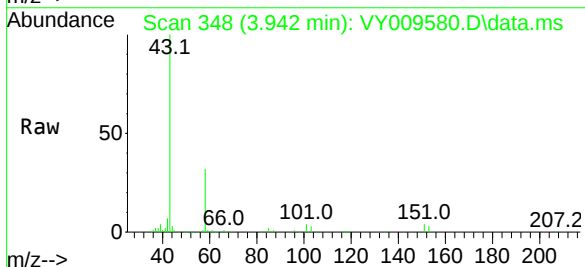
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

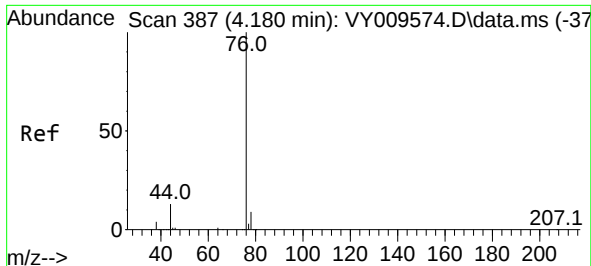
Tgt Ion: 53 Resp: 133237  
Ion Ratio Lower Upper  
53 100  
52 82.0 67.0 100.4  
51 35.7 29.8 44.6



#16  
Acetone  
Concen: 269.018 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 43 Resp: 138971  
Ion Ratio Lower Upper  
43 100  
58 32.4 22.0 33.0

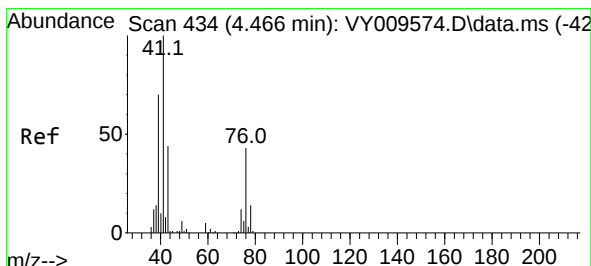
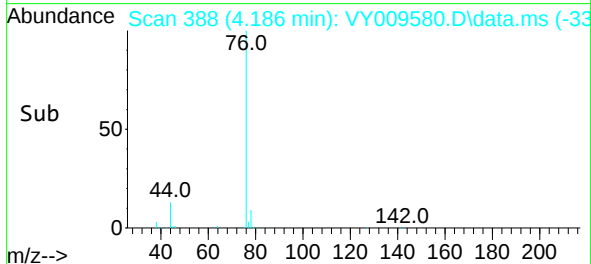
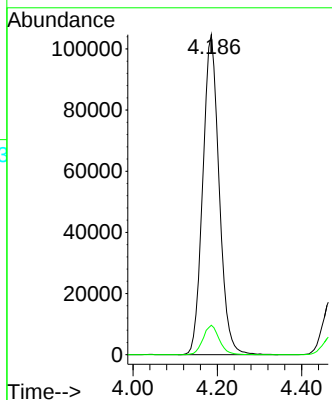
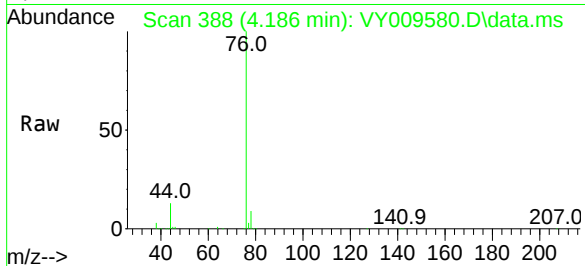




#17  
Carbon Disulfide  
Concen: 45.737 ug/l  
RT: 4.186 min Scan# 387  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

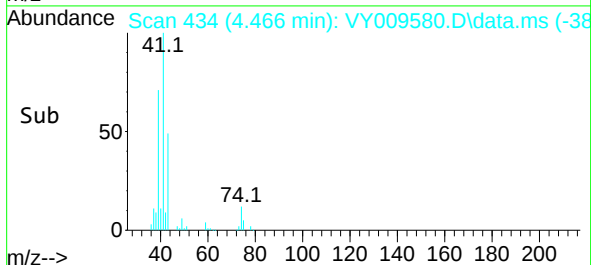
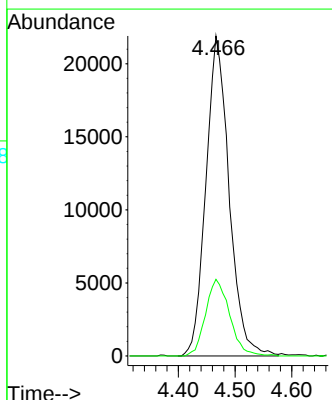
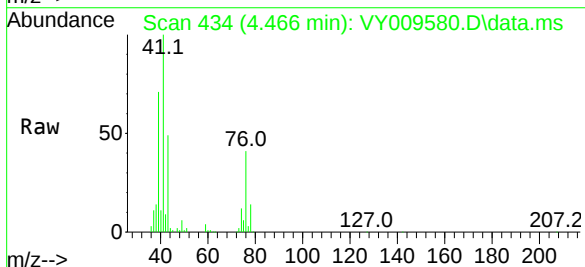
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ClientSampleId :  
VSTDCCC050

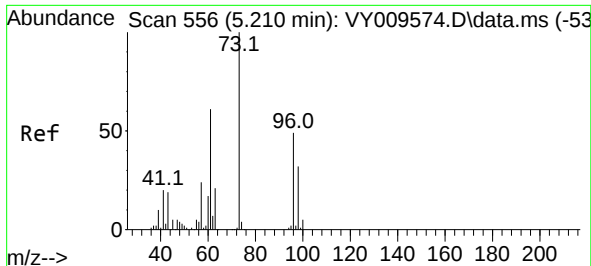
Tgt Ion: 76 Resp: 282329  
Ion Ratio Lower Upper  
76 100  
78 9.2 7.4 11.0



#18  
Methyl Acetate  
Concen: 42.967 ug/l  
RT: 4.466 min Scan# 434  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 43 Resp: 62306  
Ion Ratio Lower Upper  
43 100  
74 24.9 16.6 24.8#

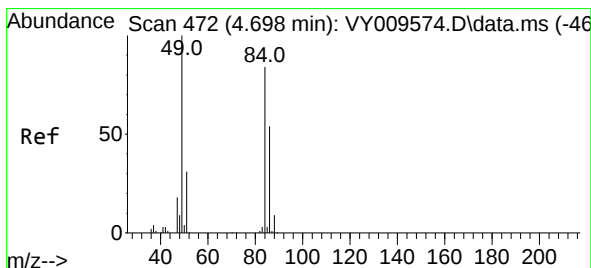
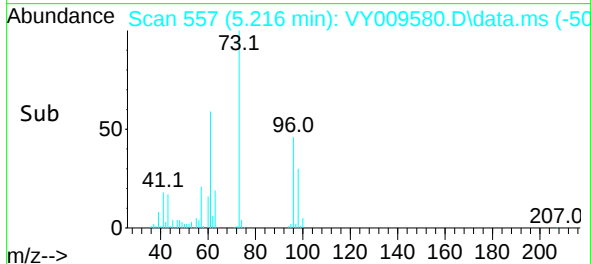
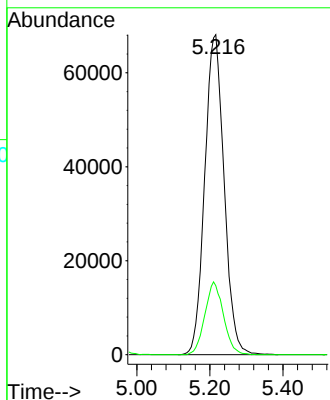
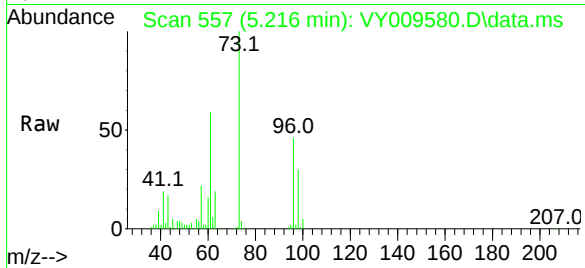




#19  
Methyl tert-butyl Ether  
Concen: 47.838 ug/l  
RT: 5.216 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

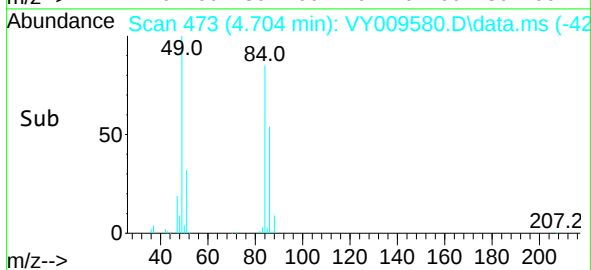
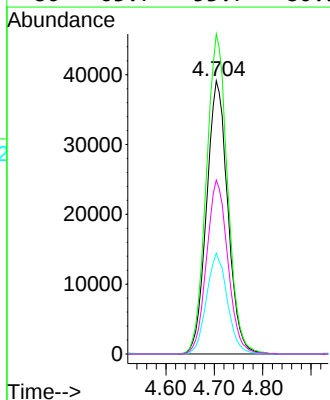
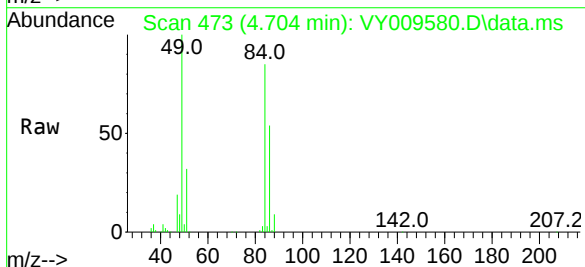
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

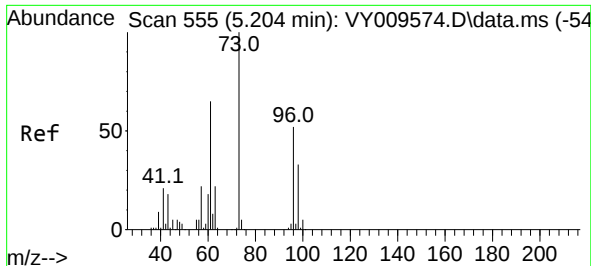
Tgt Ion: 73 Resp: 250350  
Ion Ratio Lower Upper  
73 100  
57 21.5 18.6 27.8



#20  
Methylene Chloride  
Concen: 45.159 ug/l  
RT: 4.704 min Scan# 473  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 84 Resp: 119205  
Ion Ratio Lower Upper  
84 100  
49 117.2 114.4 171.6  
51 36.9 35.3 52.9  
86 63.7 53.7 80.5

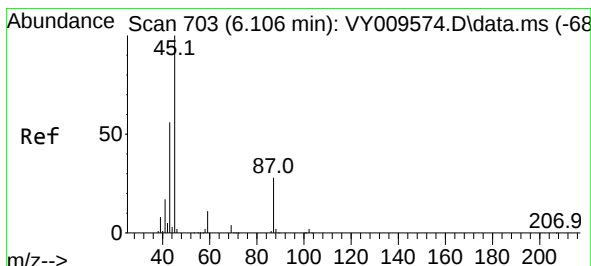
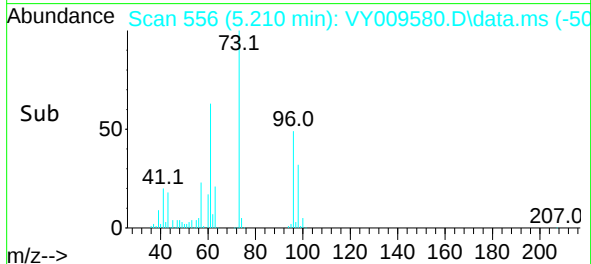
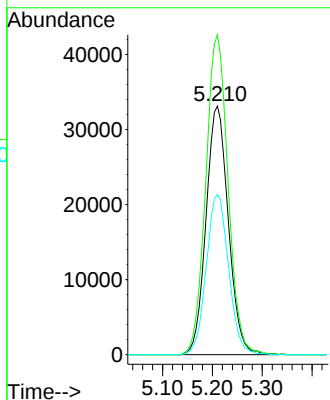
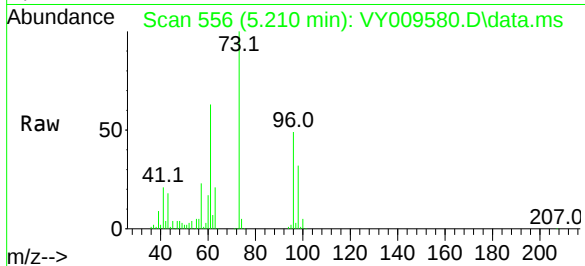




#21  
trans-1,2-Dichloroethene  
Concen: 45.828 ug/l  
RT: 5.210 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

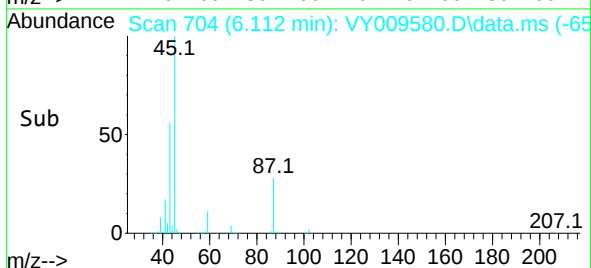
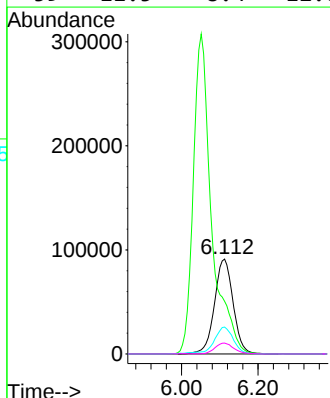
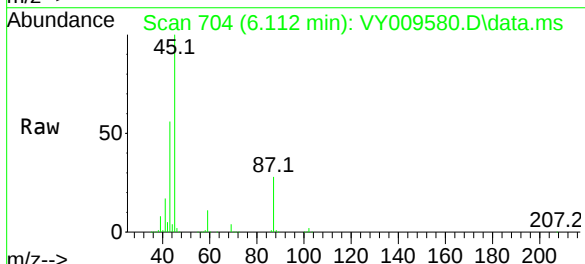
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

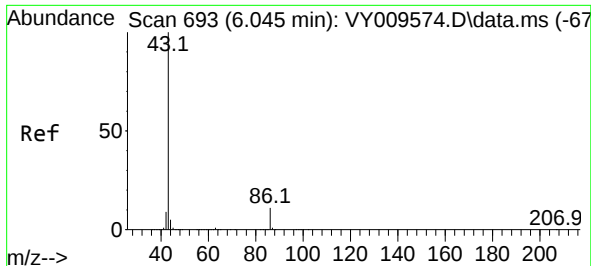
Tgt Ion: 96 Resp: 102993  
Ion Ratio Lower Upper  
96 100  
61 128.7 120.5 180.7  
98 64.4 49.8 74.8



#22  
Diisopropyl ether  
Concen: 47.215 ug/l  
RT: 6.112 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 45 Resp: 309683  
Ion Ratio Lower Upper  
45 100  
43 55.3 49.3 73.9  
87 28.4 19.2 28.8  
59 11.5 8.4 12.6

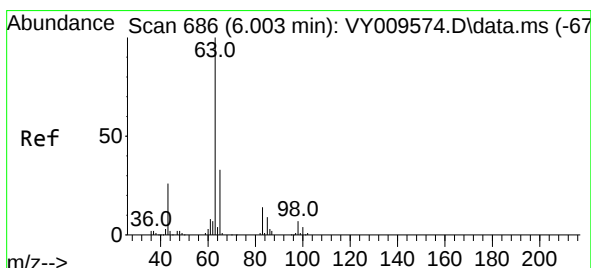
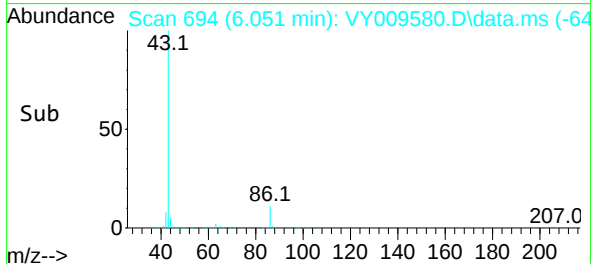
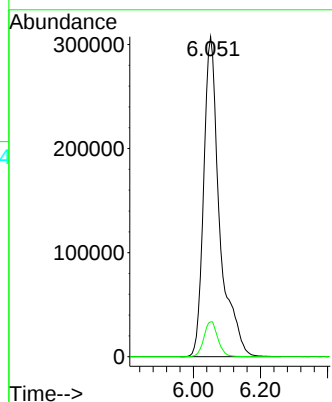
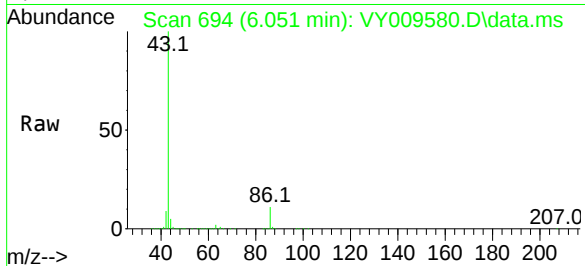




#23  
 Vinyl Acetate  
 Concen: 245.654 ug/l  
 RT: 6.051 min Scan# 694  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

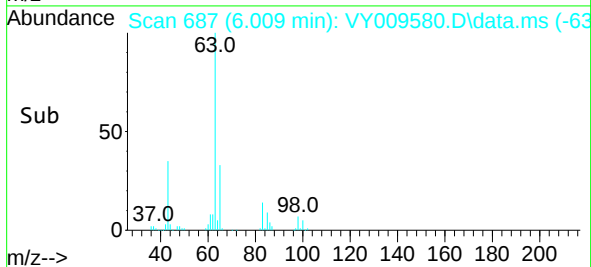
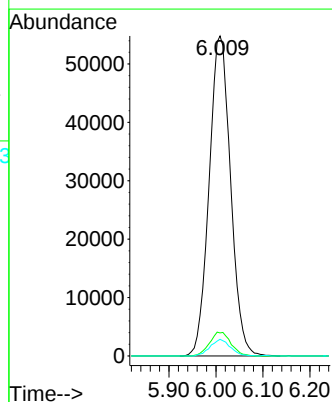
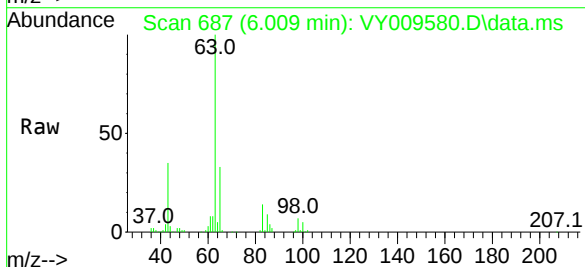
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

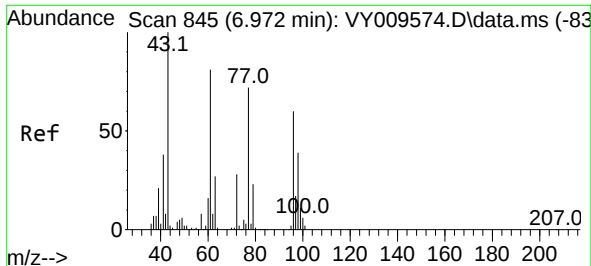
Tgt Ion: 43 Resp: 1016610  
 Ion Ratio Lower Upper  
 43 100  
 86 10.9 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 45.890 ug/l  
 RT: 6.009 min Scan# 687  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

Tgt Ion: 63 Resp: 173845  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.6 10.8  
 100 5.2 2.0 5.8





#25

2-Butanone

Concen: 252.839 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

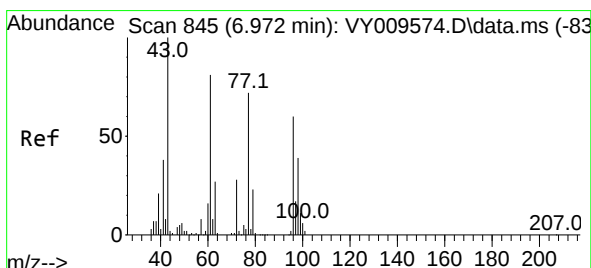
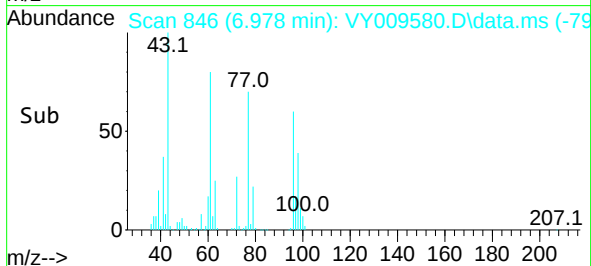
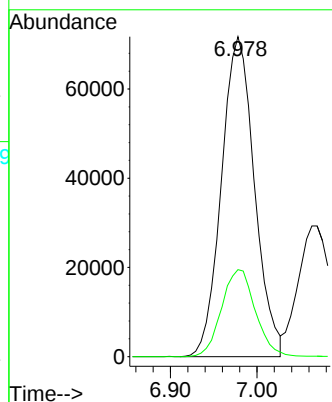
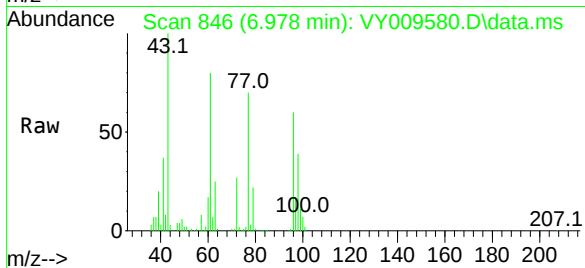
VSTDCCC050

Tgt Ion: 43 Resp: 190524

Ion Ratio Lower Upper

43 100

72 27.2 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 45.537 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY009580.D

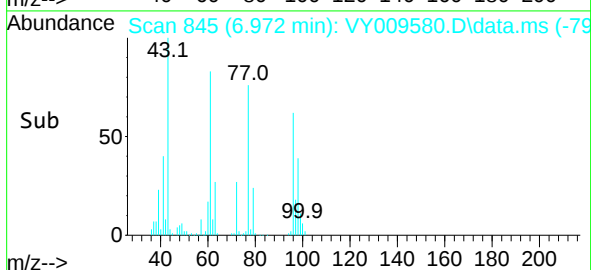
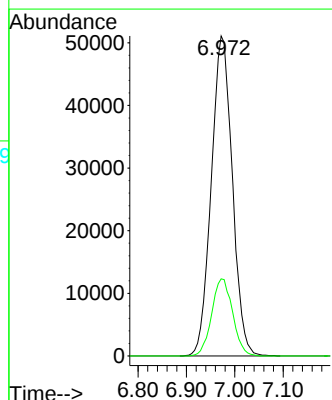
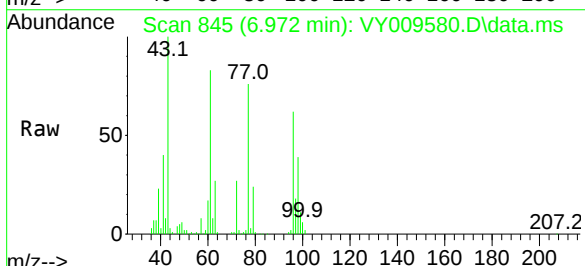
Acq: 19 Jul 2022 10:21

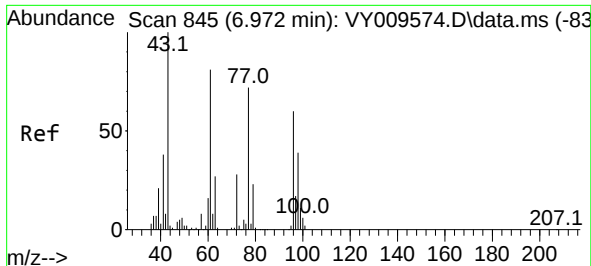
Tgt Ion: 77 Resp: 154539

Ion Ratio Lower Upper

77 100

97 24.0 10.4 31.4

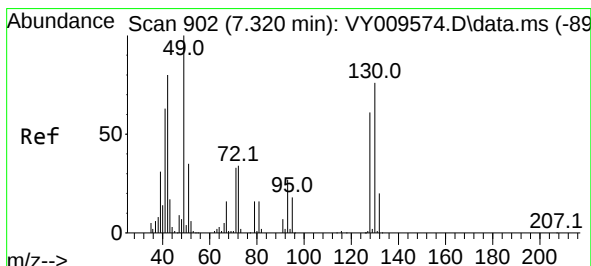
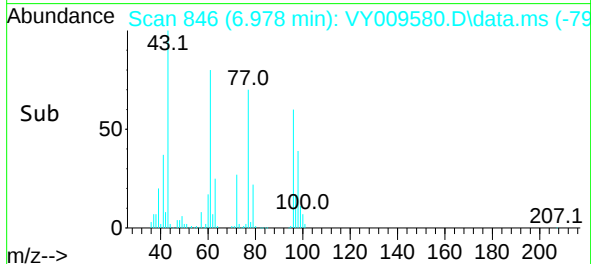
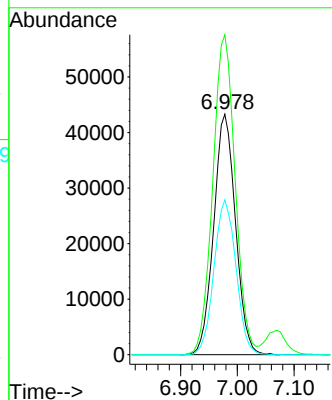
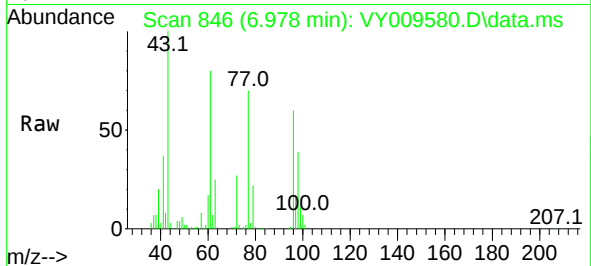




#27  
 cis-1,2-Dichloroethene  
 Concen: 46.554 ug/l  
 RT: 6.978 min Scan# 84  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

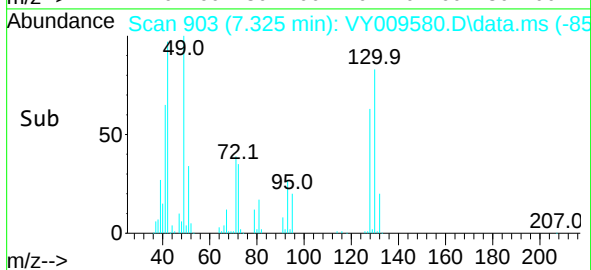
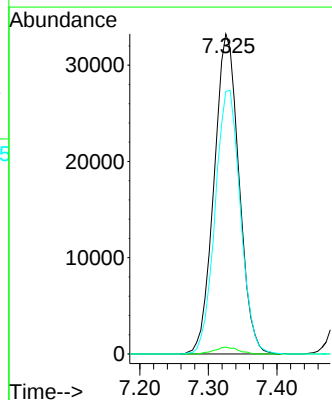
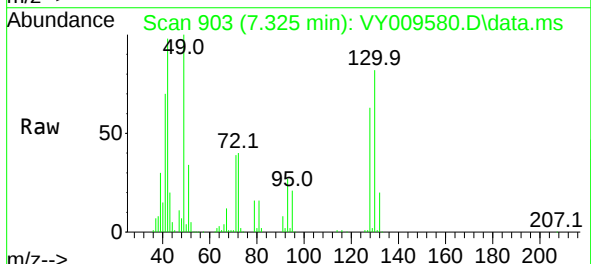
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

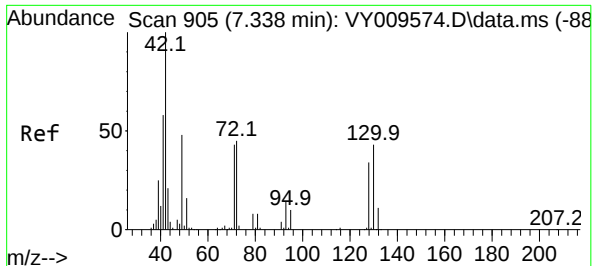
Tgt Ion: 96 Resp: 115676  
 Ion Ratio Lower Upper  
 96 100  
 61 136.1 0.0 319.8  
 98 65.0 0.0 127.0



#28  
 Bromochloromethane  
 Concen: 51.664 ug/l  
 RT: 7.325 min Scan# 903  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

Tgt Ion: 49 Resp: 83859  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 2.2  
 130 83.5 55.4 83.0#





#29

Tetrahydrofuran

Concen: 242.505 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

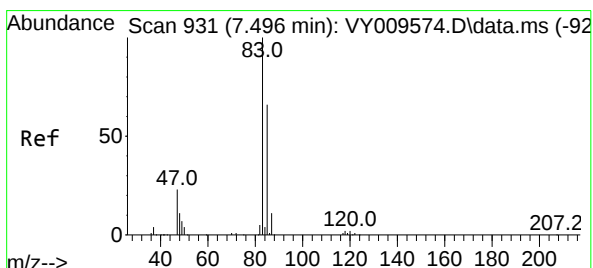
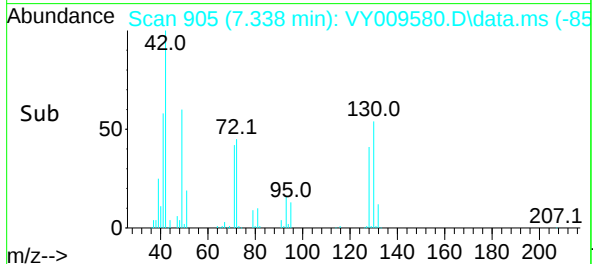
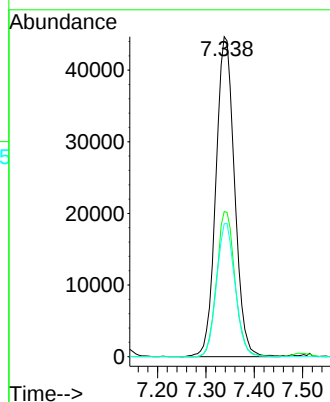
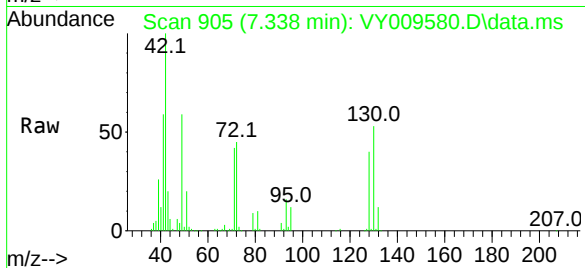
Tgt Ion: 42 Resp: 119974

Ion Ratio Lower Upper

42 100

72 44.4 30.3 45.5

71 41.1 29.0 43.4



#30

Chloroform

Concen: 45.690 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.006 min

Lab File: VY009580.D

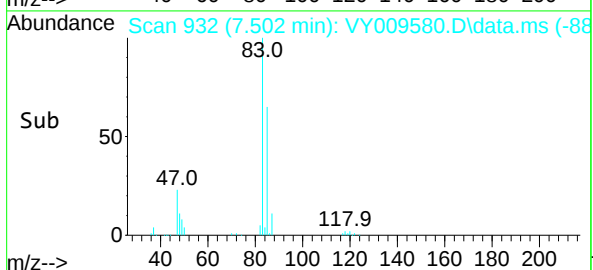
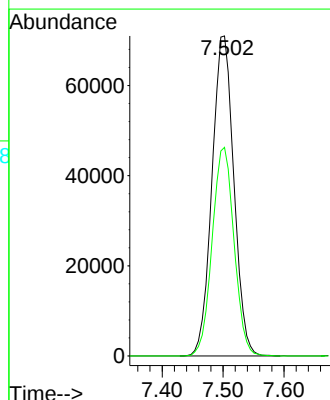
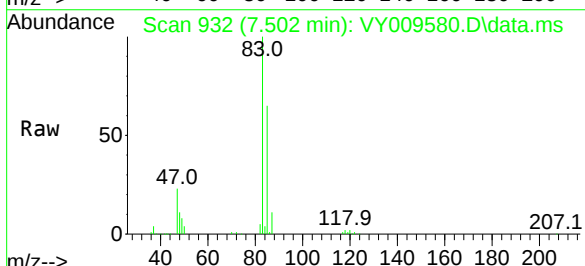
Acq: 19 Jul 2022 10:21

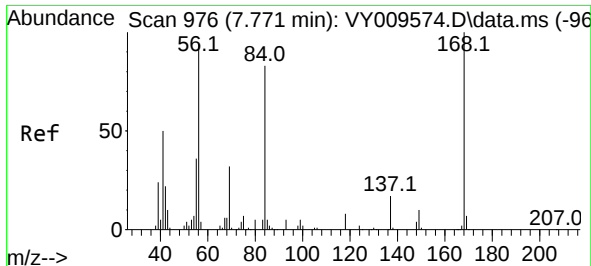
Tgt Ion: 83 Resp: 177062

Ion Ratio Lower Upper

83 100

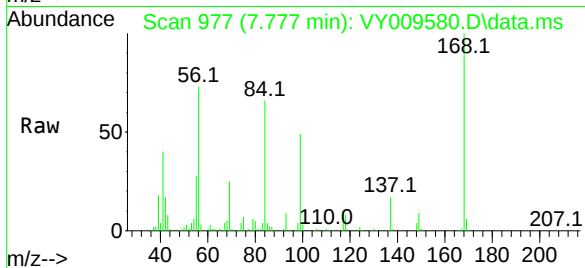
85 65.2 51.8 77.6



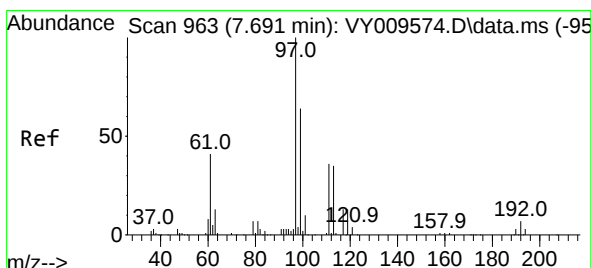
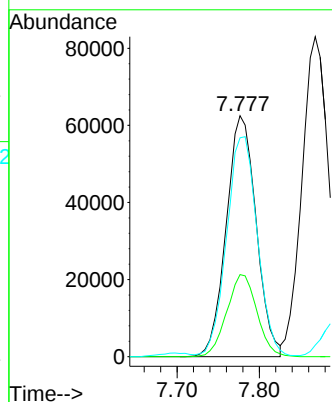
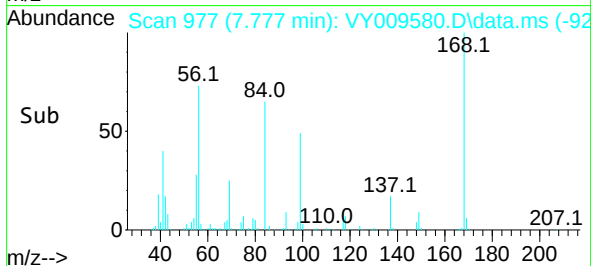


#31  
Cyclohexane  
Concen: 43.966 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

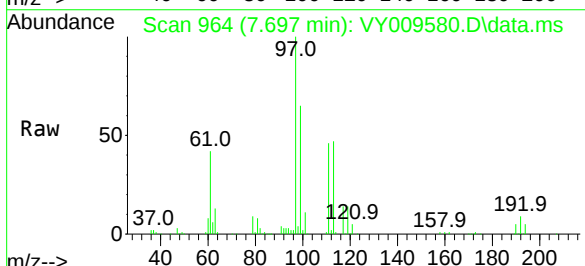
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050



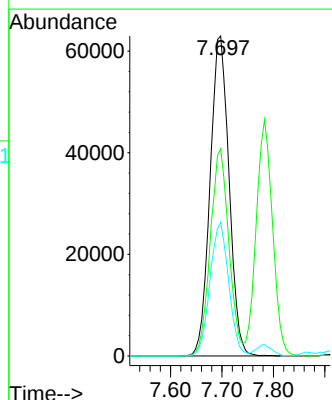
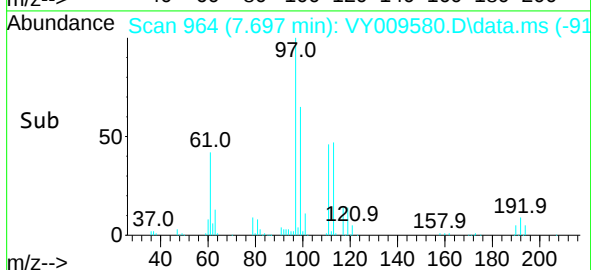
Tgt Ion: 56 Resp: 158312  
Ion Ratio Lower Upper  
56 100  
69 34.0 26.7 40.1  
84 89.5 67.2 100.8

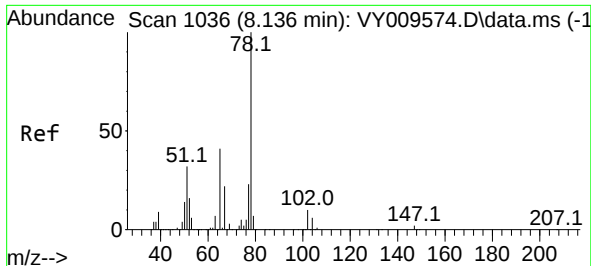


#32  
1,1,1-Trichloroethane  
Concen: 46.343 ug/l  
RT: 7.697 min Scan# 964  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21



Tgt Ion: 97 Resp: 161089  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.7 76.1  
61 41.5 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 49.444 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

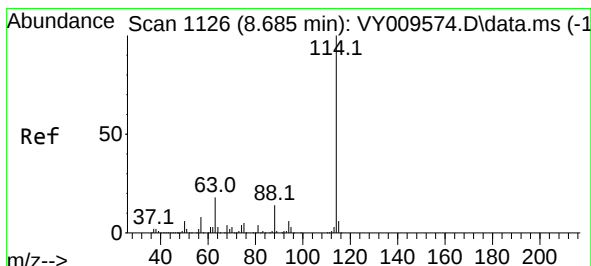
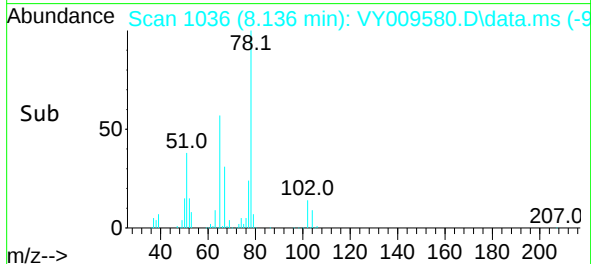
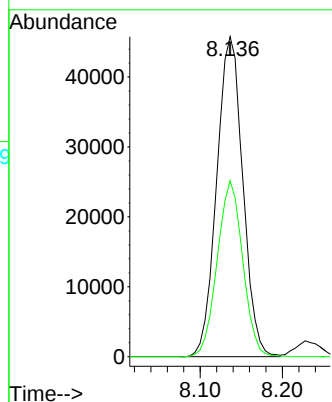
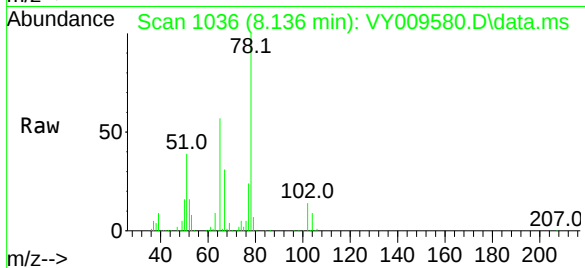
VSTDCCC050

Tgt Ion: 65 Resp: 100969

Ion Ratio Lower Upper

65 100

67 53.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

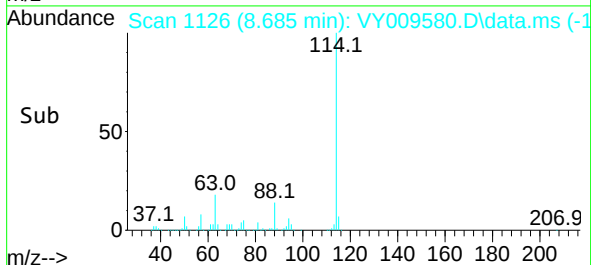
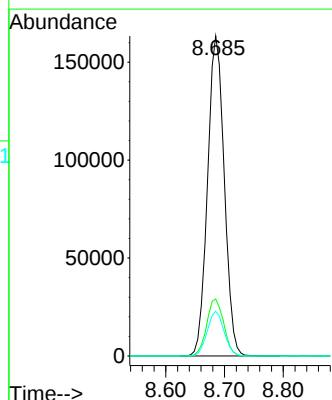
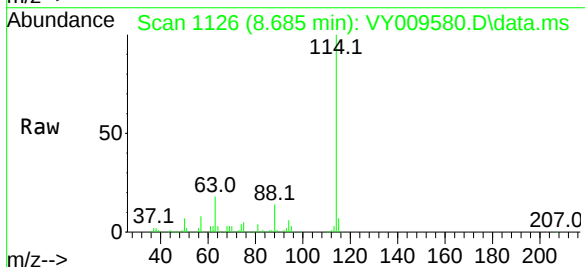
Tgt Ion: 114 Resp: 322625

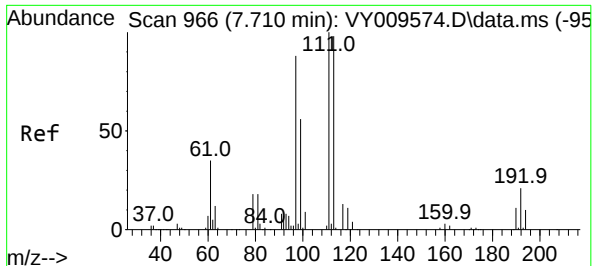
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.0 0.0 31.8

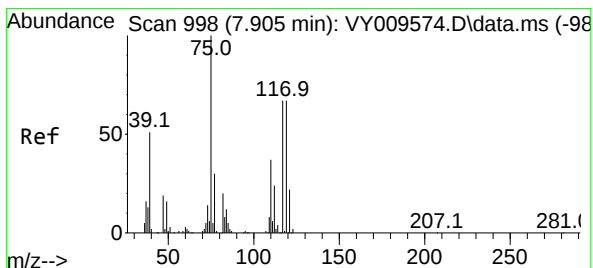
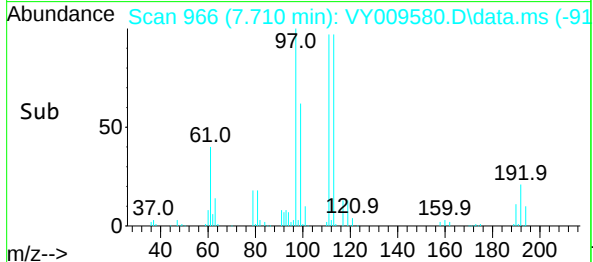
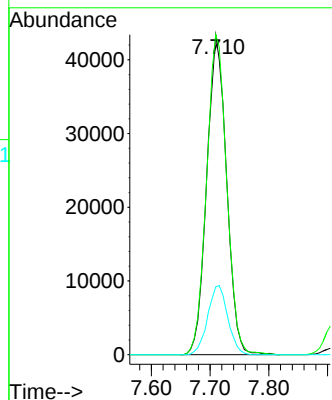
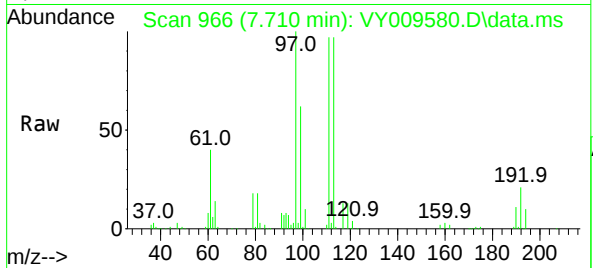




#35  
Dibromofluoromethane  
Concen: 49.807 ug/l  
RT: 7.710 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

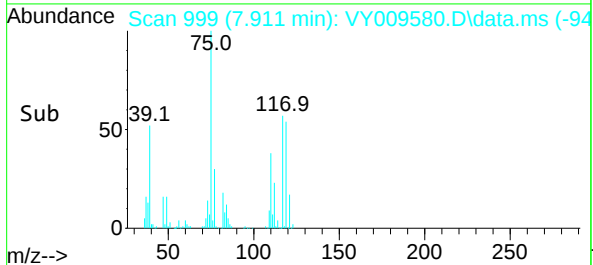
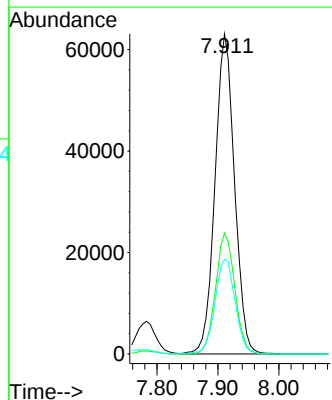
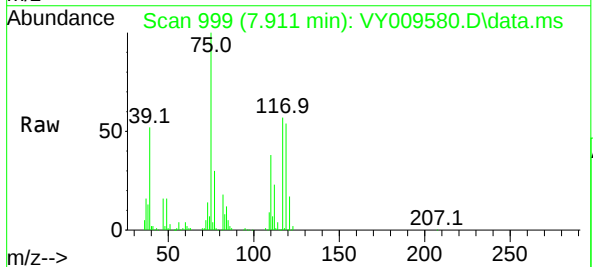
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

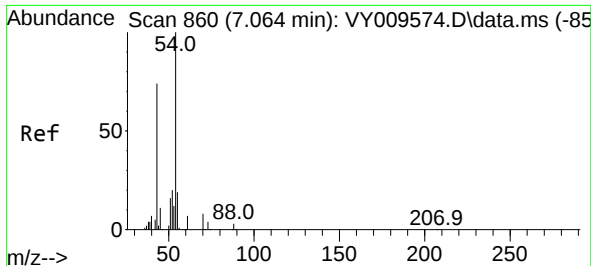
Tgt Ion:113 Resp: 101234  
Ion Ratio Lower Upper  
113 100  
111 102.0 82.6 124.0  
192 22.0 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 46.722 ug/l  
RT: 7.911 min Scan# 999  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 75 Resp: 140332  
Ion Ratio Lower Upper  
75 100  
110 37.3 17.1 51.2  
77 30.8 24.4 36.6





#37

Ethyl Acetate

Concen: 47.952 ug/l

RT: 7.063 min Scan# 80

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

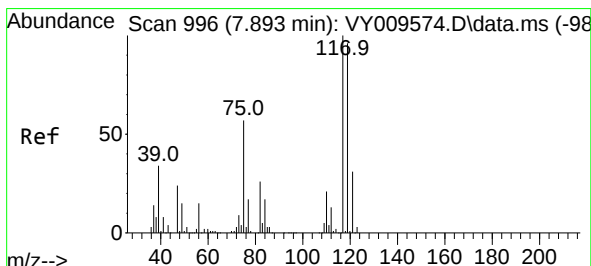
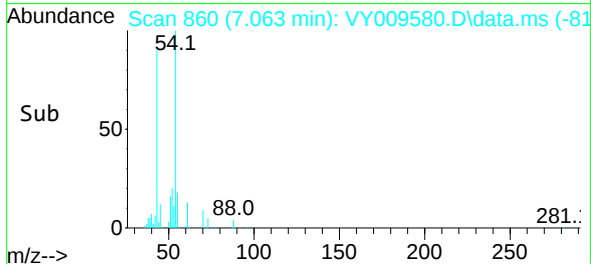
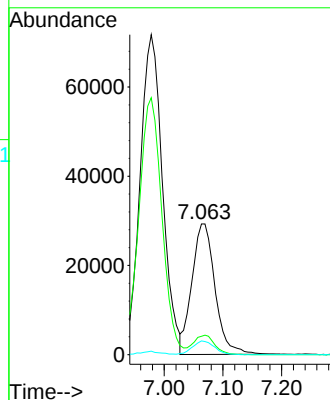
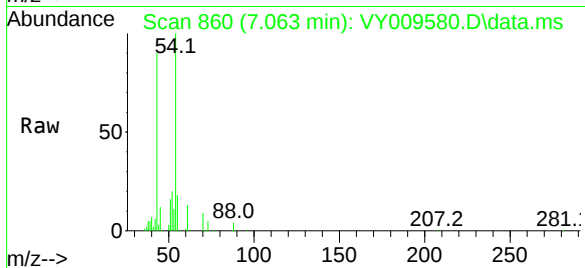
Tgt Ion: 43 Resp: 80158

Ion Ratio Lower Upper

43 100

61 14.2 9.7 14.5

70 10.0 7.1 10.7



#38

Carbon Tetrachloride

Concen: 46.235 ug/l

RT: 7.892 min Scan# 996

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

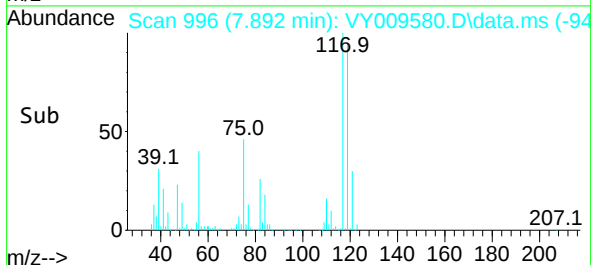
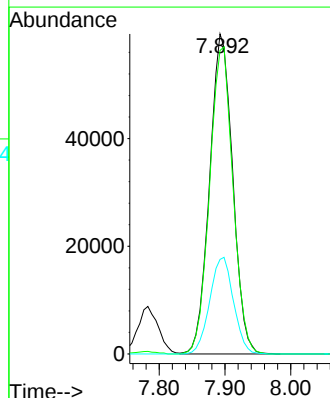
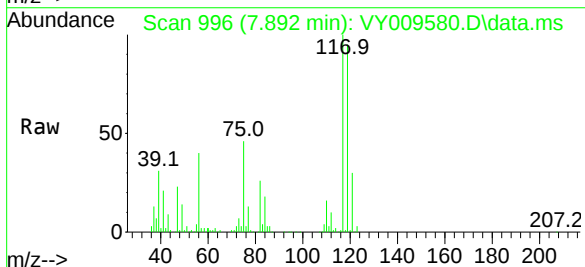
Tgt Ion: 117 Resp: 145370

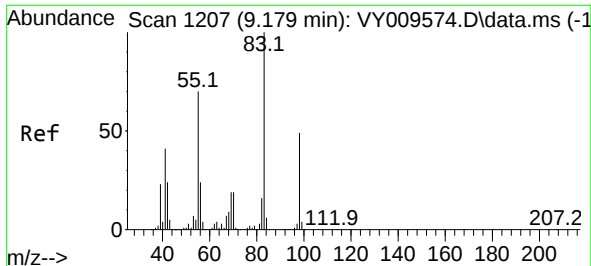
Ion Ratio Lower Upper

117 100

119 94.8 77.9 116.9

121 29.5 24.8 37.2

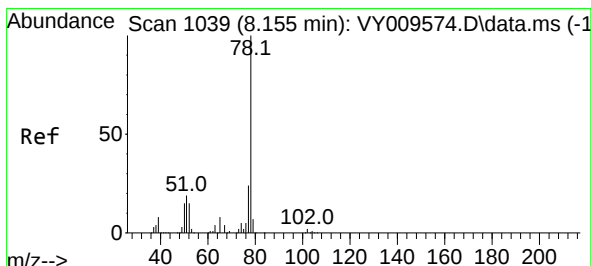
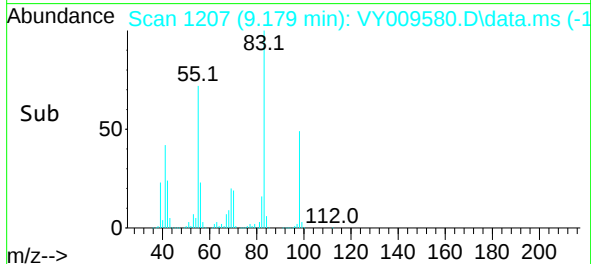
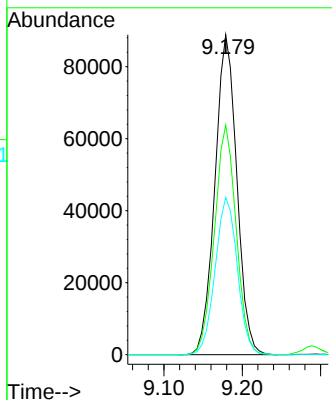
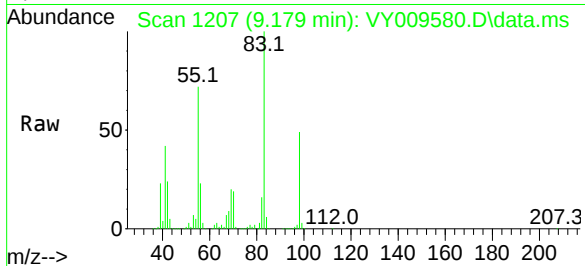




#39  
Methylcyclohexane  
Concen: 46.636 ug/l  
RT: 9.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

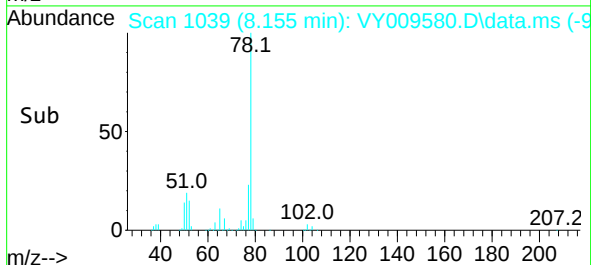
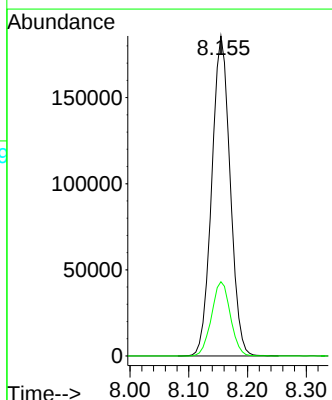
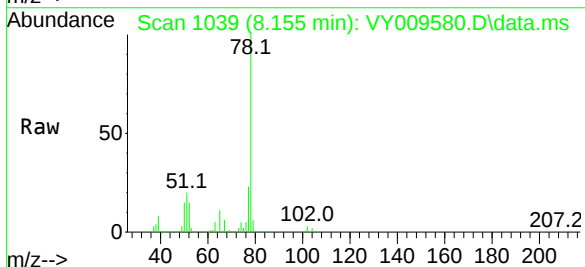
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

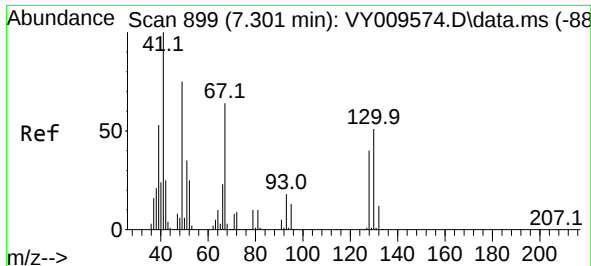
Tgt Ion: 83 Resp: 172712  
Ion Ratio Lower Upper  
83 100  
55 71.8 66.5 99.7  
98 49.1 37.9 56.9



#40  
Benzene  
Concen: 45.940 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 78 Resp: 403743  
Ion Ratio Lower Upper  
78 100  
77 23.2 20.4 30.6

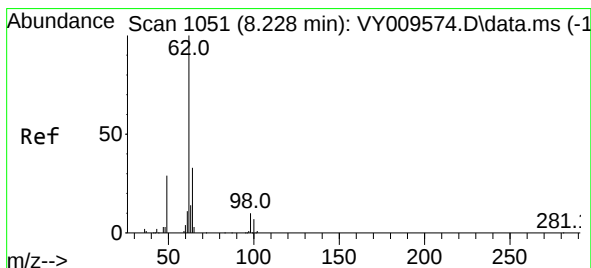
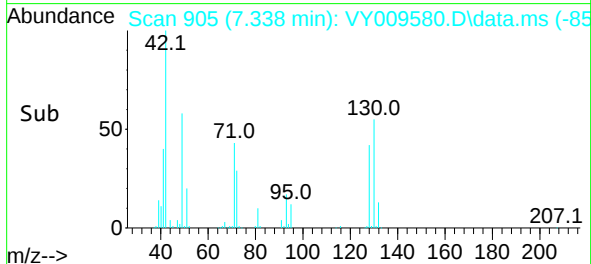
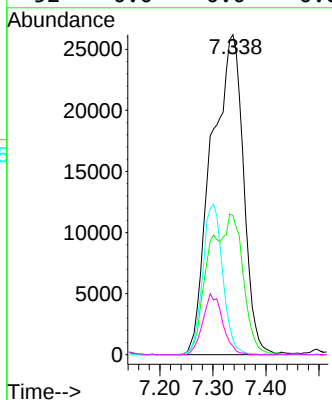
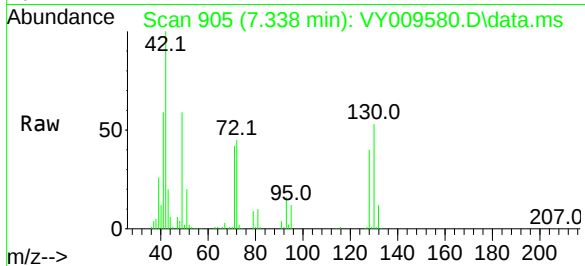




#41  
Methacrylonitrile  
Concen: 136.247 ug/l  
RT: 7.338 min Scan# 905  
Delta R.T. 0.036 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

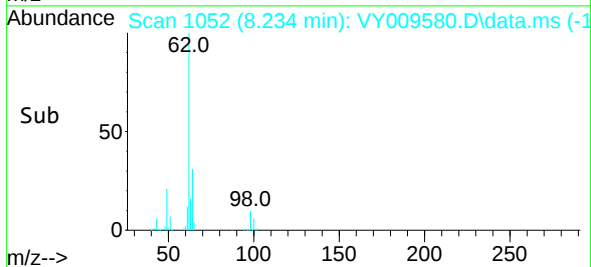
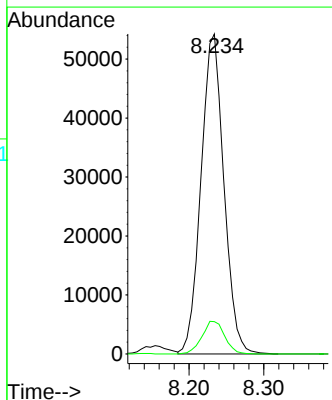
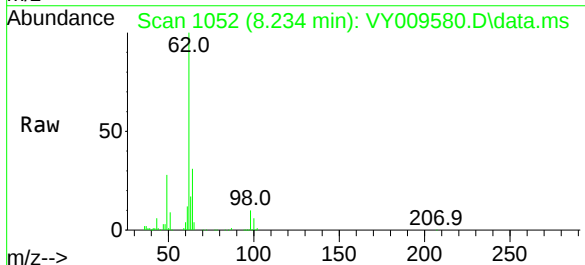
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

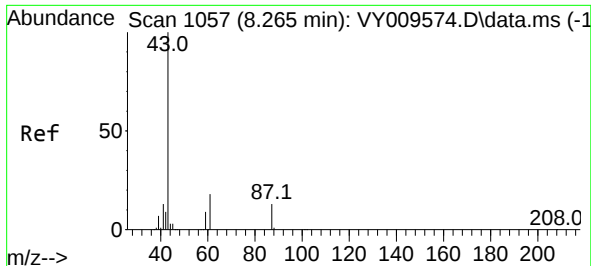
Tgt Ion: 41 Resp: 109290  
Ion Ratio Lower Upper  
41 100  
39 0.0 92.9 139.3#  
67 0.0 0.0 0.0  
52 0.0 0.0 0.0



#42  
1,2-Dichloroethane  
Concen: 46.782 ug/l  
RT: 8.234 min Scan# 1052  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 62 Resp: 115339  
Ion Ratio Lower Upper  
62 100  
98 10.2 0.0 14.8

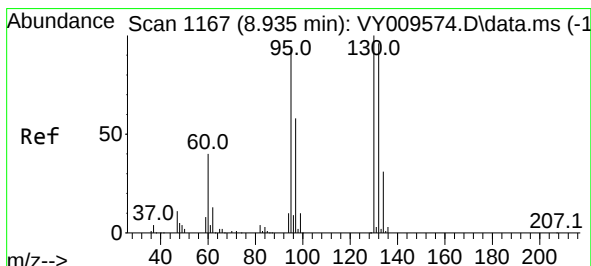
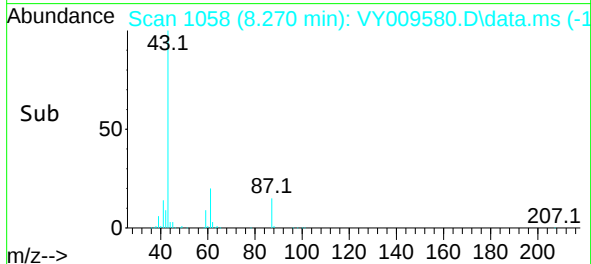
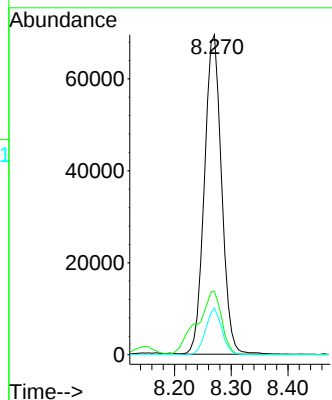
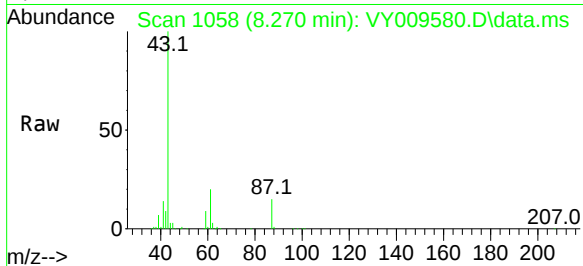




#43  
Isopropyl Acetate  
Concen: 47.670 ug/l  
RT: 8.270 min Scan# 1058  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

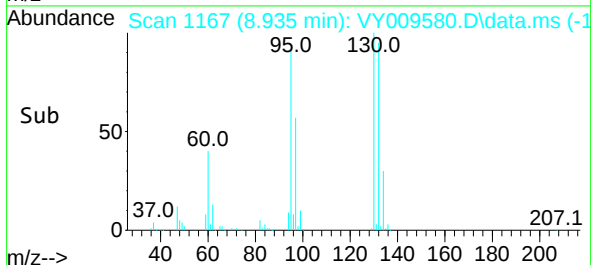
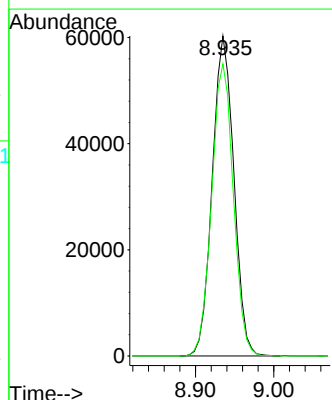
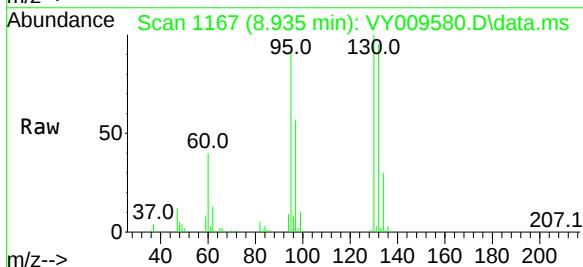
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

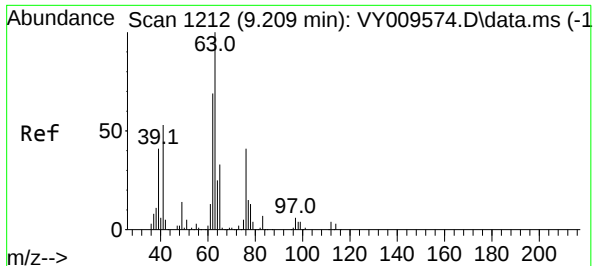
Tgt Ion: 43 Resp: 146017  
Ion Ratio Lower Upper  
43 100  
61 28.5 20.2 30.2  
87 13.7 8.9 13.3#



#44  
Trichloroethene  
Concen: 46.248 ug/l  
RT: 8.935 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:130 Resp: 115595  
Ion Ratio Lower Upper  
130 100  
95 91.3 0.0 188.2





#45

1,2-Dichloropropane

Concen: 45.930 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

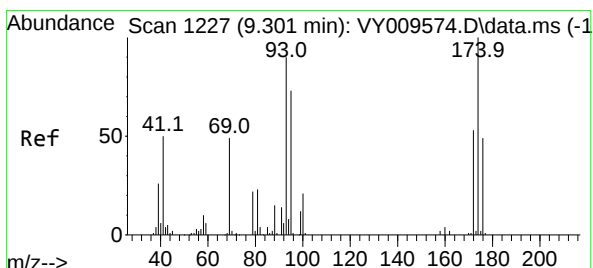
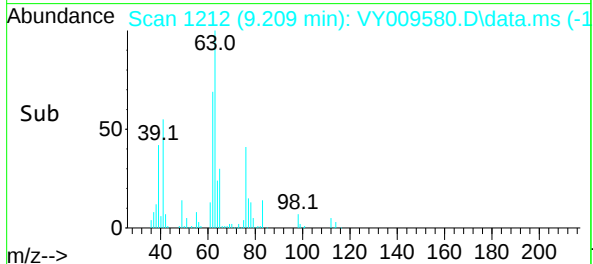
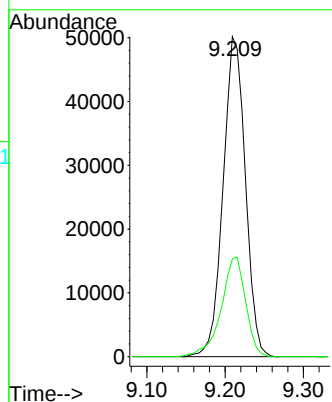
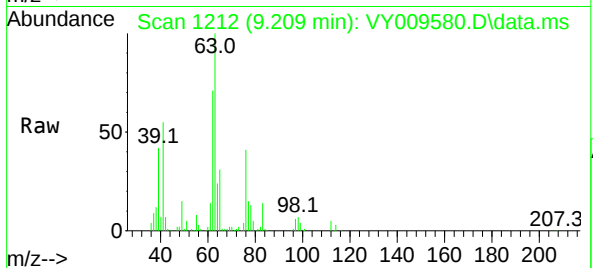
VSTDCCC050

Tgt Ion: 63 Resp: 99035

Ion Ratio Lower Upper

63 100

65 30.5 23.0 34.6



#46

Dibromomethane

Concen: 47.292 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

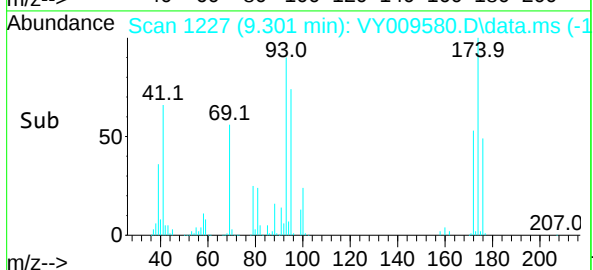
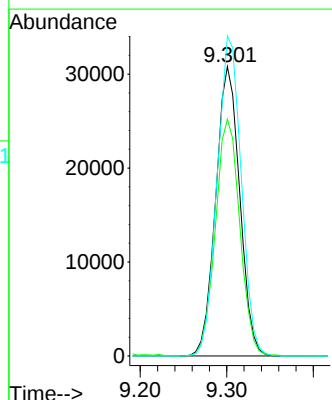
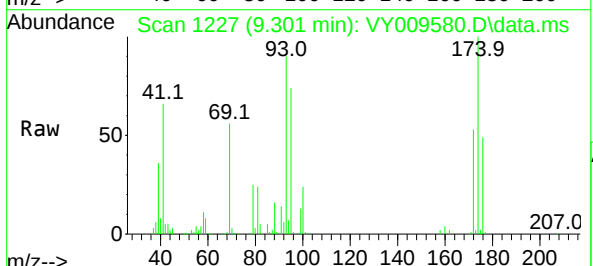
Tgt Ion: 93 Resp: 59224

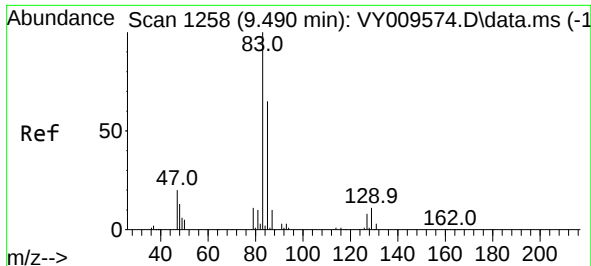
Ion Ratio Lower Upper

93 100

95 83.2 64.3 96.5

174 110.8 83.4 125.0

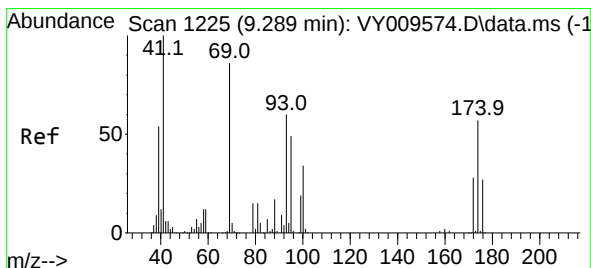
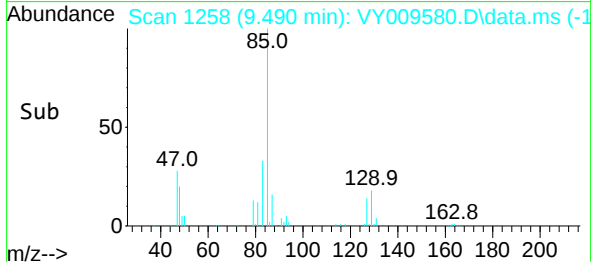
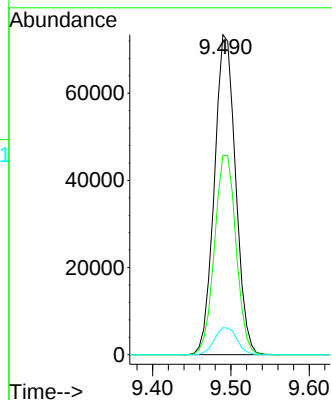
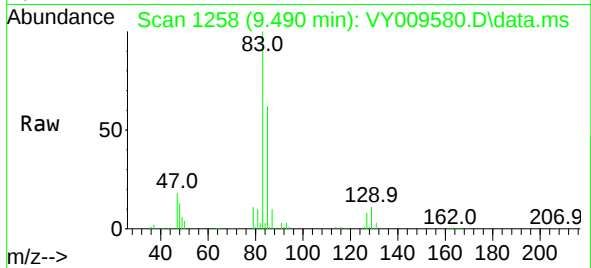




#47  
Bromodichloromethane  
Concen: 47.118 ug/l  
RT: 9.490 min Scan# 1258  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

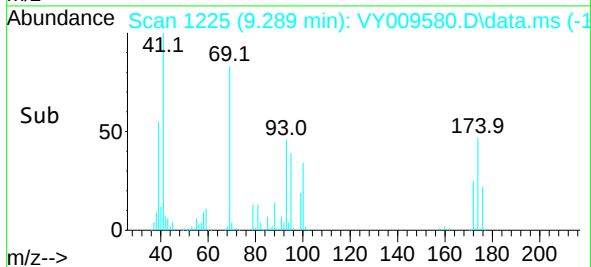
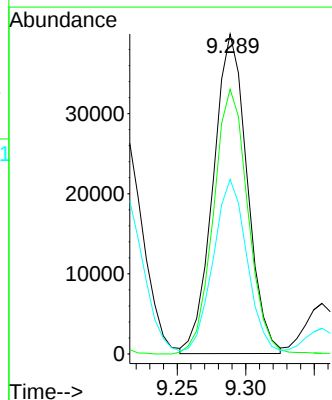
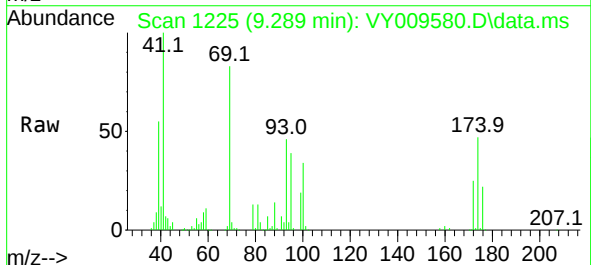
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

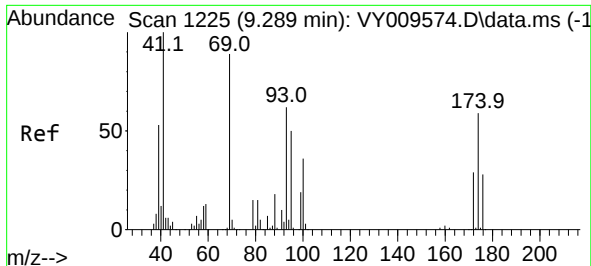
Tgt Ion: 83 Resp: 138361  
Ion Ratio Lower Upper  
83 100  
85 62.3 51.9 77.9  
127 8.4 6.6 10.0



#48  
Methyl methacrylate  
Concen: 50.856 ug/l  
RT: 9.289 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 41 Resp: 68824  
Ion Ratio Lower Upper  
41 100  
69 84.0 58.2 87.2  
39 52.6 47.4 71.0





#49

1,4-Dioxane

Concen: 959.041 ug/l

RT: 9.295 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

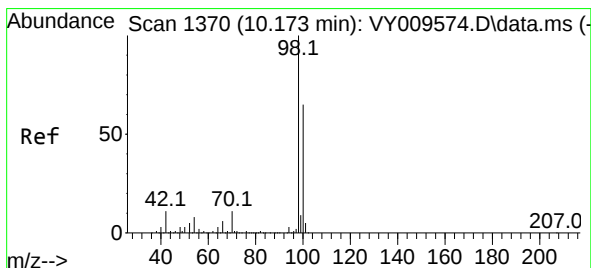
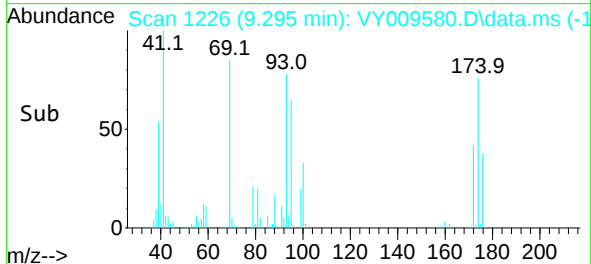
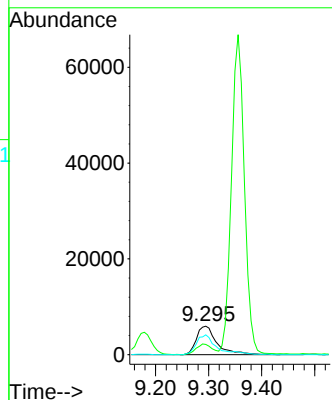
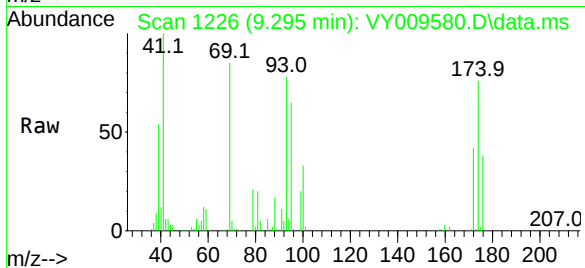
Tgt Ion: 88 Resp: 16009

Ion Ratio Lower Upper

88 100

43 28.9 32.8 49.2#

58 68.5 59.8 89.6



#50

Toluene-d8

Concen: 49.841 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY009580.D

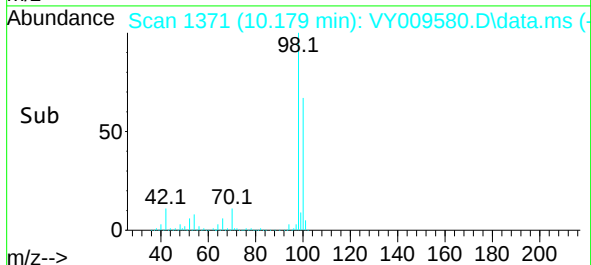
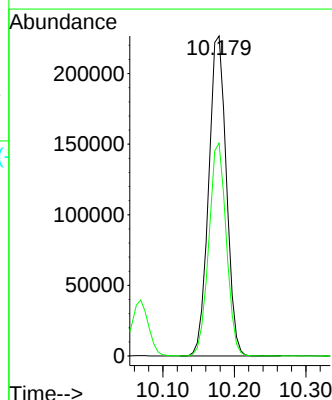
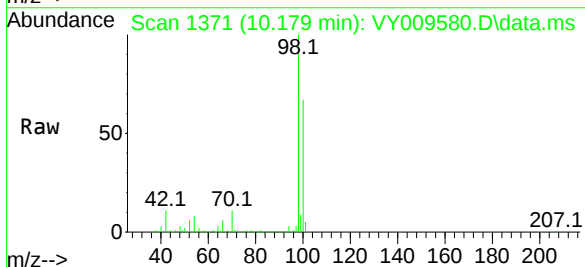
Acq: 19 Jul 2022 10:21

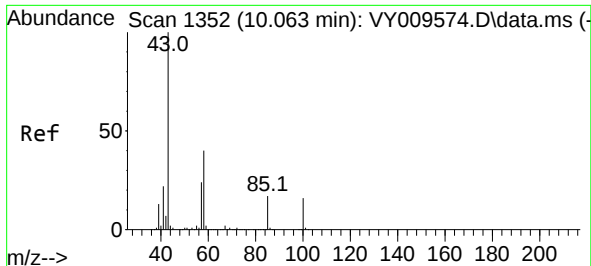
Tgt Ion: 98 Resp: 389443

Ion Ratio Lower Upper

98 100

100 65.5 50.2 75.2

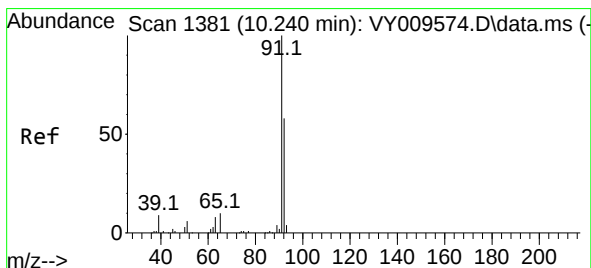
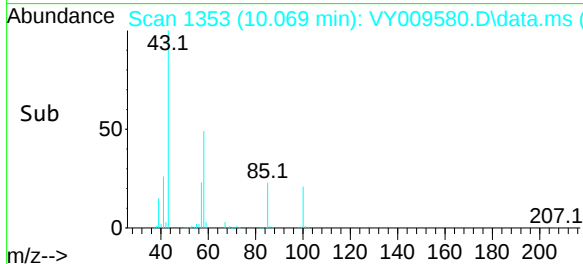
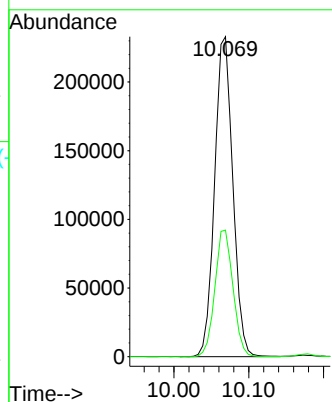
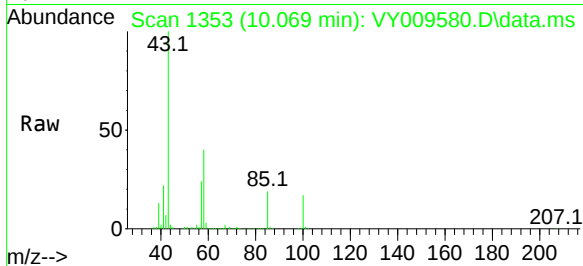




#51  
4-Methyl-2-Pentanone  
Concen: 248.231 ug/l  
RT: 10.069 min Scan# 1352  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

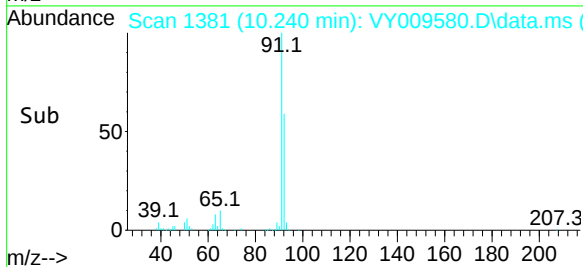
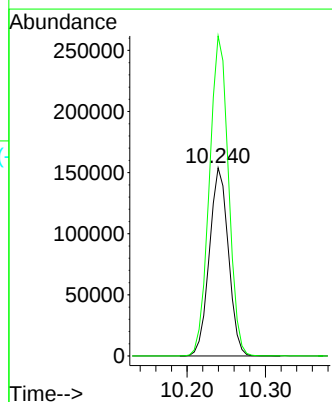
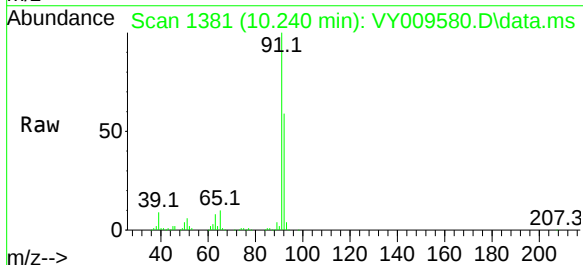
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

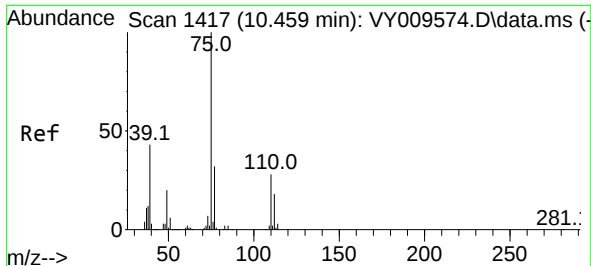
Tgt Ion: 43 Resp: 394792  
Ion Ratio Lower Upper  
43 100  
58 39.5 28.1 42.1



#52  
Toluene  
Concen: 46.566 ug/l  
RT: 10.240 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 92 Resp: 259233  
Ion Ratio Lower Upper  
92 100  
91 171.1 142.6 213.8

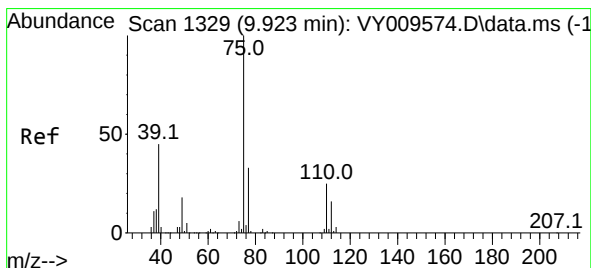
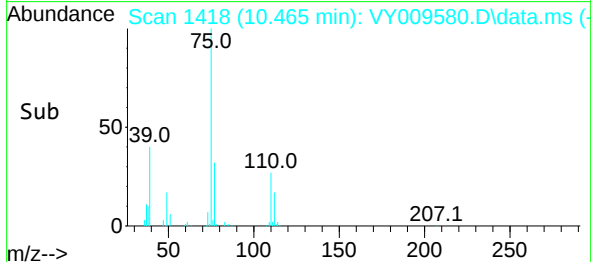
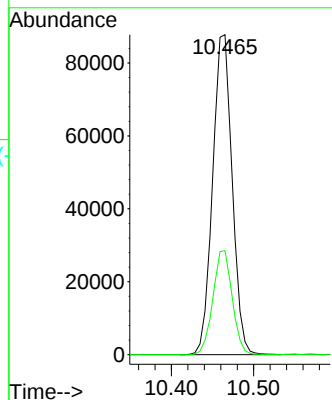
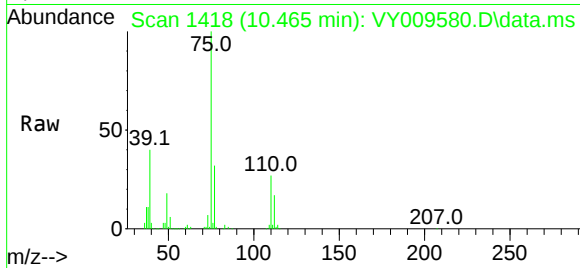




#53  
 t-1,3-Dichloropropene  
 Concen: 47.714 ug/l  
 RT: 10.465 min Scan# 1417  
 Delta R.T. 0.006 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

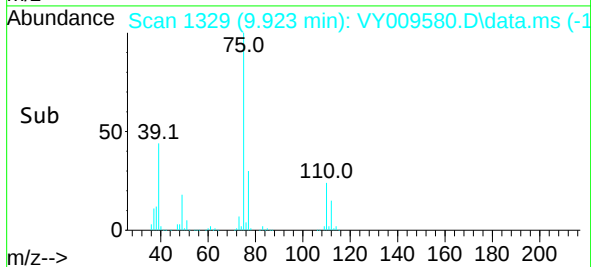
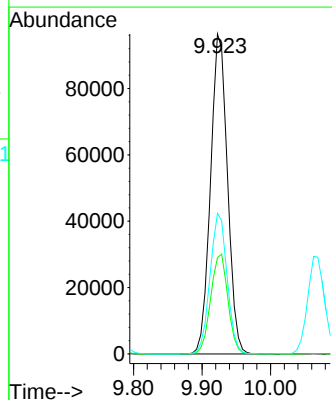
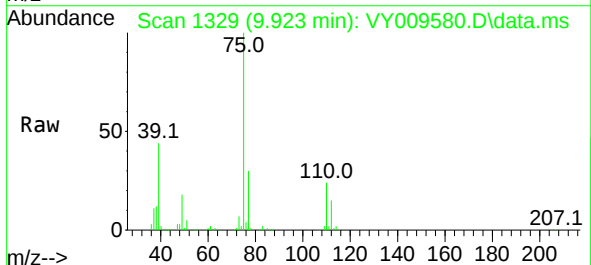
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

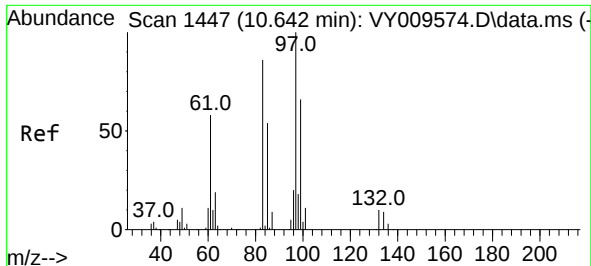
Tgt Ion: 75 Resp: 144715  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 25.4 38.2



#54  
 cis-1,3-Dichloropropene  
 Concen: 48.026 ug/l  
 RT: 9.923 min Scan# 1329  
 Delta R.T. -0.000 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

Tgt Ion: 75 Resp: 165619  
 Ion Ratio Lower Upper  
 75 100  
 77 30.1 25.6 38.4  
 39 43.9 47.6 71.4#

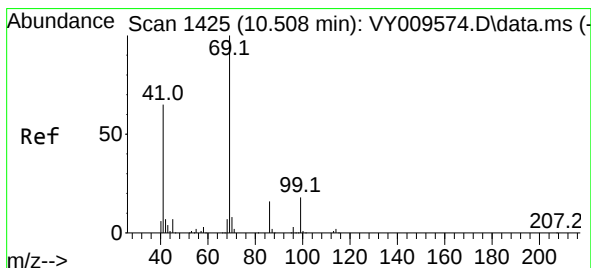
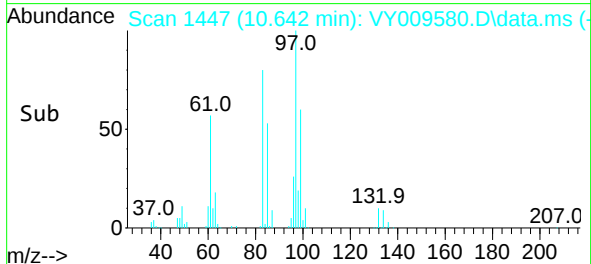
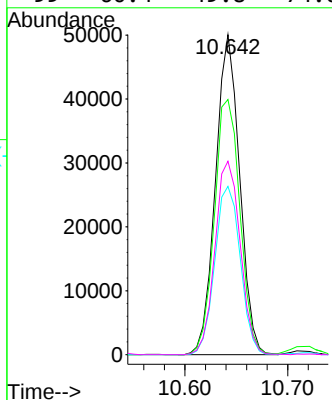
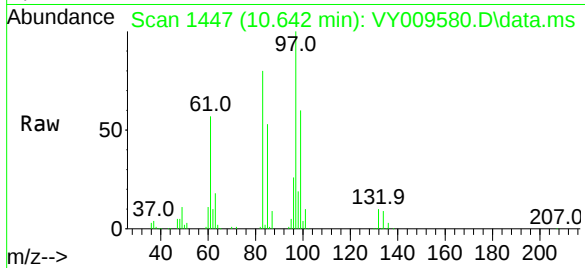




#55  
1,1,2-Trichloroethane  
Concen: 46.360 ug/l  
RT: 10.642 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

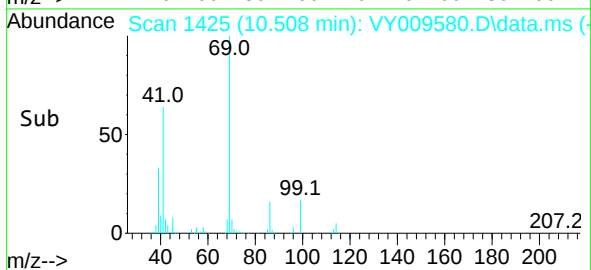
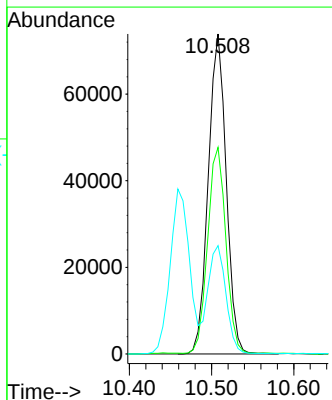
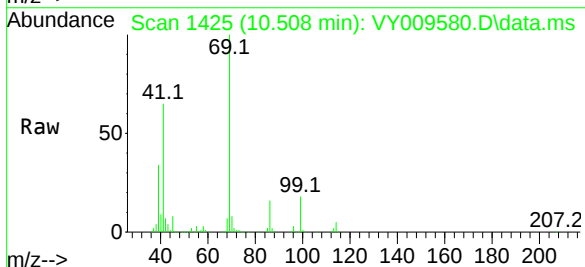
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

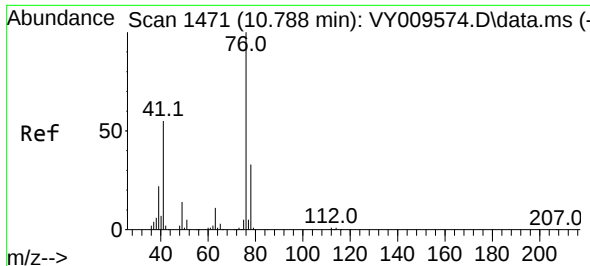
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 81764 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 79.8     | 69.8 104.8  |
| 85 52.6     | 44.3 66.5   |
| 99 60.4     | 49.8 74.6   |



#56  
Ethyl methacrylate  
Concen: 49.709 ug/l  
RT: 10.508 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 112164 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 65.3     | 63.4 95.0    |
| 39 34.4     | 35.8 53.8#   |





#57

1,3-Dichloropropane

Concen: 47.182 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

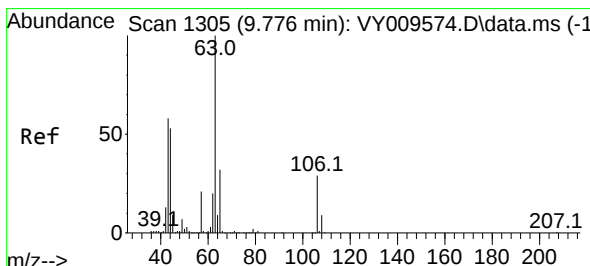
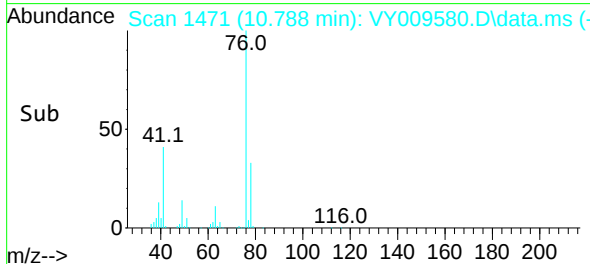
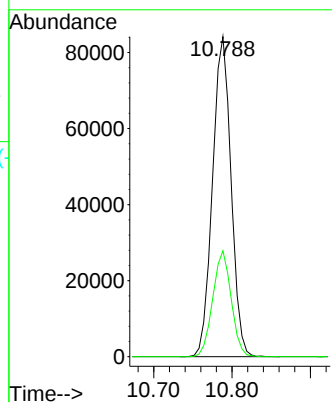
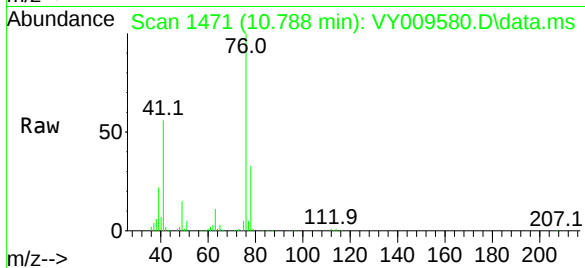
VSTDCCC050

Tgt Ion: 76 Resp: 138089

Ion Ratio Lower Upper

76 100

78 32.8 25.0 37.6



#58

2-Chloroethyl Vinyl ether

Concen: 258.213 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. 0.000 min

Lab File: VY009580.D

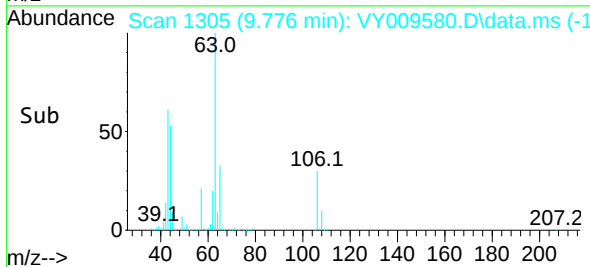
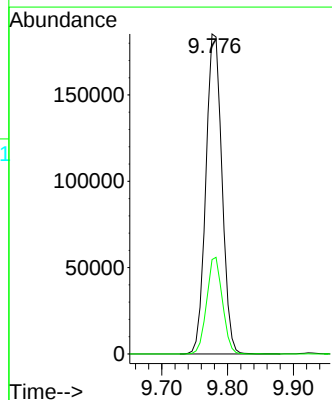
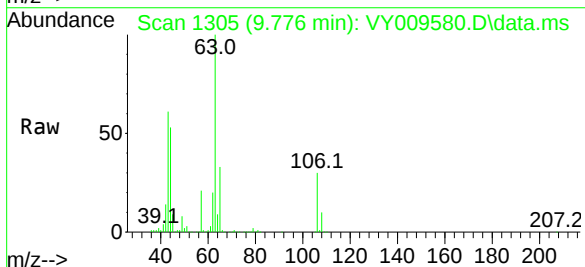
Acq: 19 Jul 2022 10:21

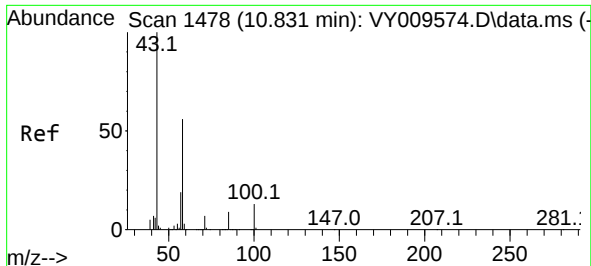
Tgt Ion: 63 Resp: 315862

Ion Ratio Lower Upper

63 100

106 29.5 21.5 32.3

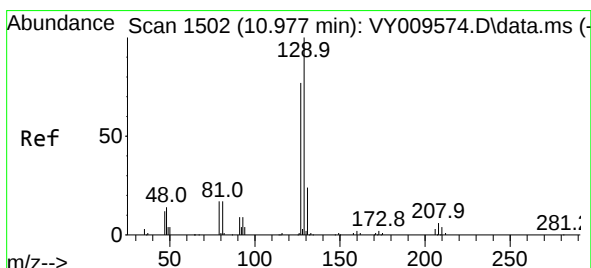
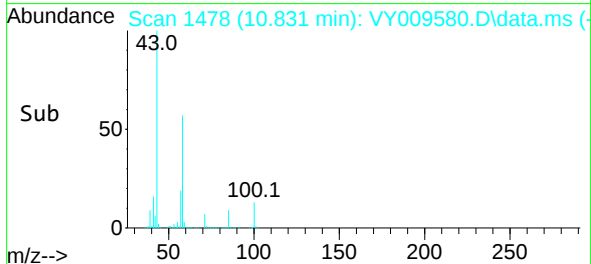
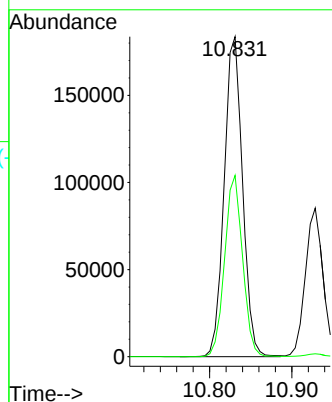
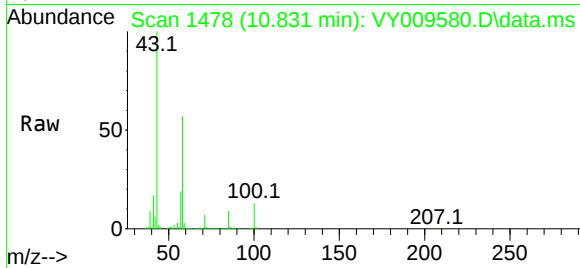




#59  
2-Hexanone  
Concen: 258.089 ug/l  
RT: 10.831 min Scan# 1478  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

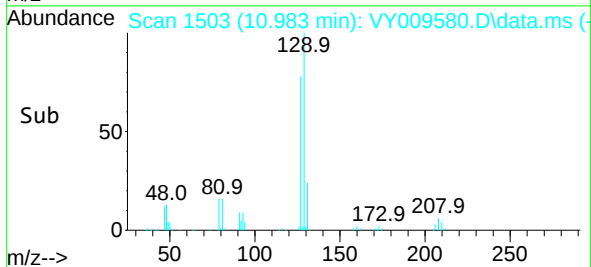
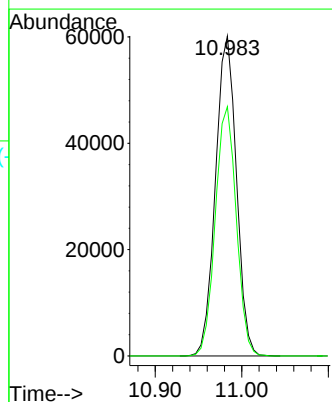
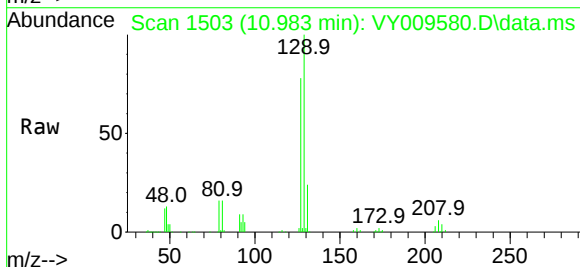
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

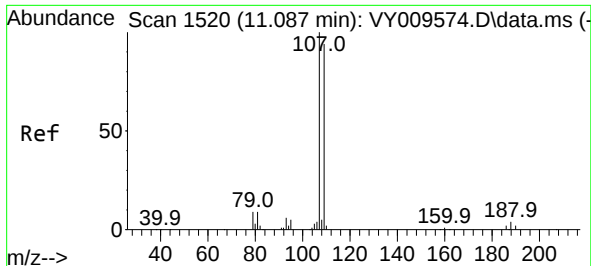
Tgt Ion: 43 Resp: 285490  
Ion Ratio Lower Upper  
43 100  
58 55.4 24.4 73.4



#60  
Dibromochloromethane  
Concen: 47.358 ug/l  
RT: 10.983 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 129 Resp: 101069  
Ion Ratio Lower Upper  
129 100  
127 78.1 38.7 116.1

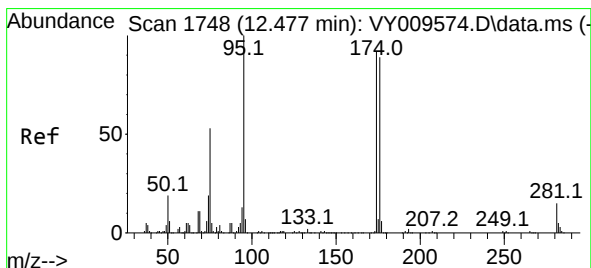
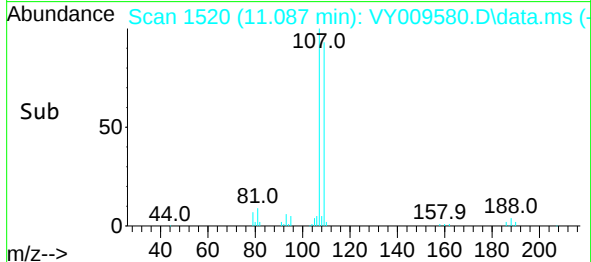
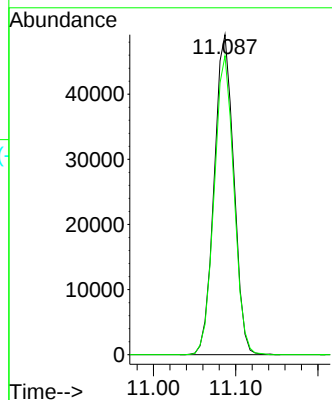
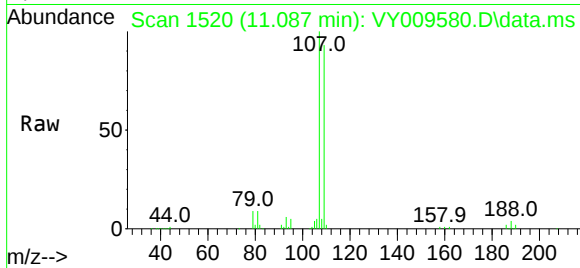




#61  
1,2-Dibromoethane  
Concen: 47.277 ug/l  
RT: 11.087 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

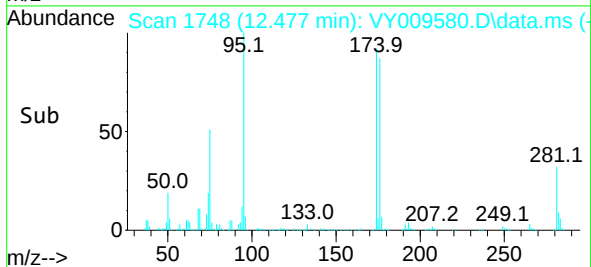
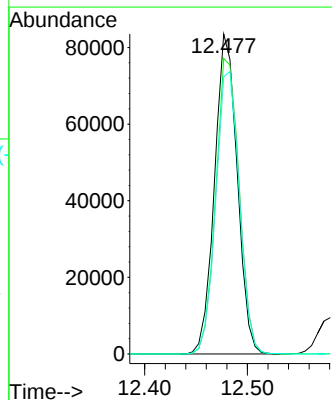
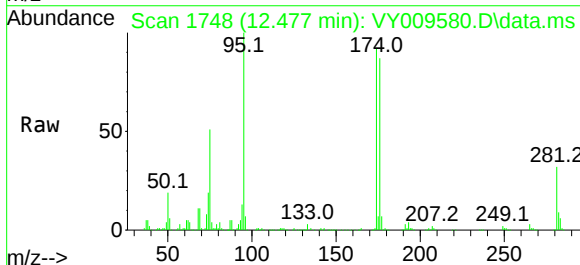
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

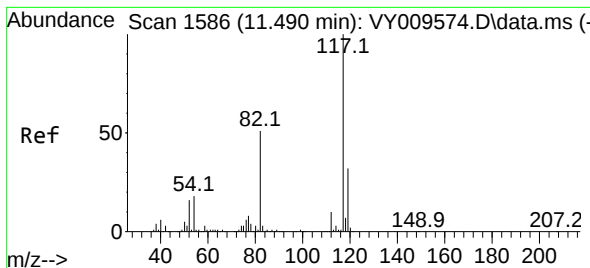
Tgt Ion:107 Resp: 81351  
Ion Ratio Lower Upper  
107 100  
109 94.0 75.4 113.2



#62  
4-Bromofluorobenzene  
Concen: 50.456 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 95 Resp: 127747  
Ion Ratio Lower Upper  
95 100  
174 95.7 0.0 177.0  
176 91.8 0.0 175.8

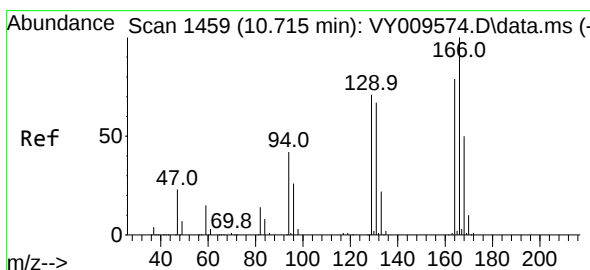
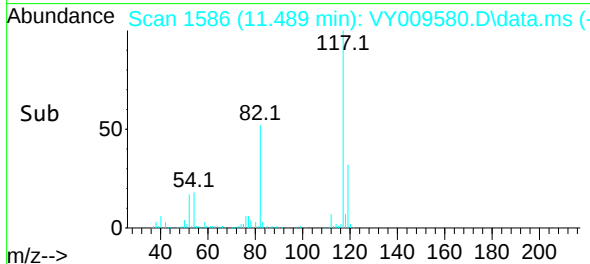
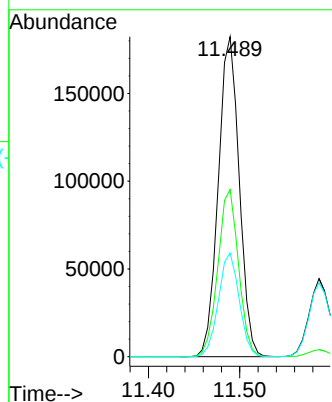
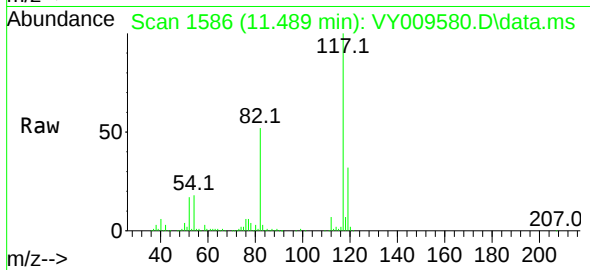




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

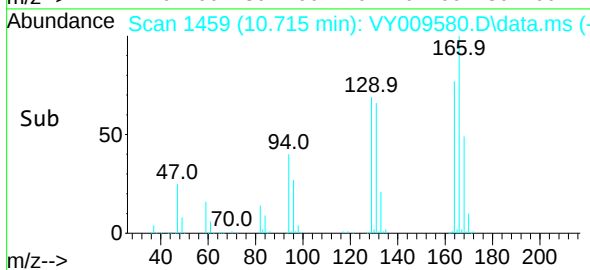
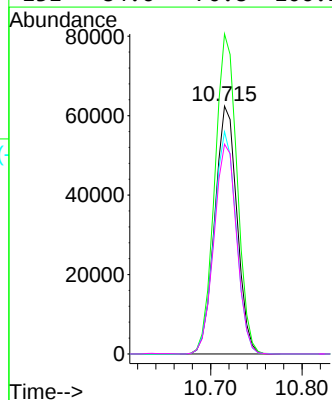
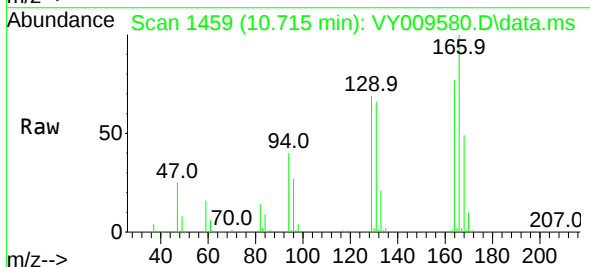
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

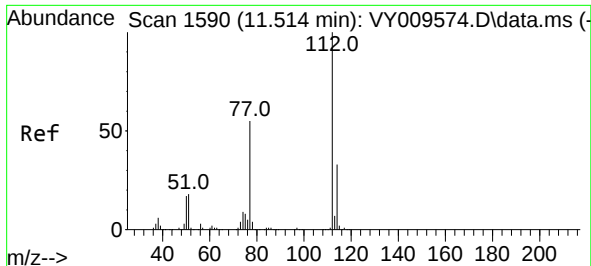
Tgt Ion:117 Resp: 290489  
Ion Ratio Lower Upper  
117 100  
82 52.3 43.0 64.4  
119 32.4 25.4 38.0



#64  
Tetrachloroethene  
Concen: 46.383 ug/l  
RT: 10.715 min Scan# 1459  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:164 Resp: 105447  
Ion Ratio Lower Upper  
164 100  
166 129.1 100.4 150.6  
129 89.7 71.4 107.0  
131 84.6 70.8 106.2

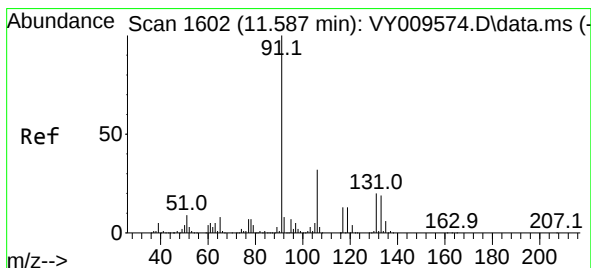
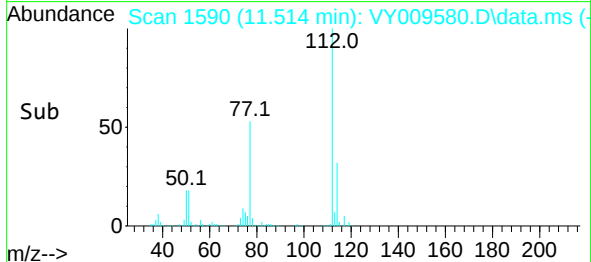
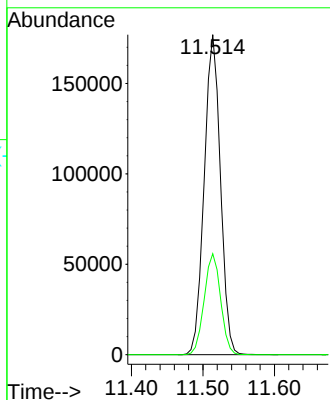
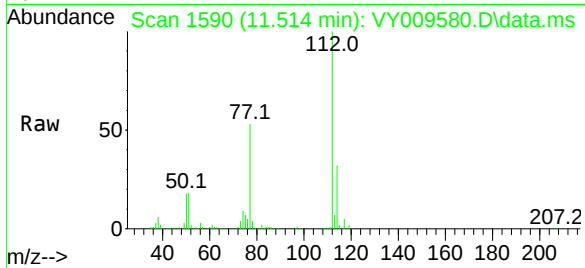




#65  
Chlorobenzene  
Concen: 46.911 ug/l  
RT: 11.514 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

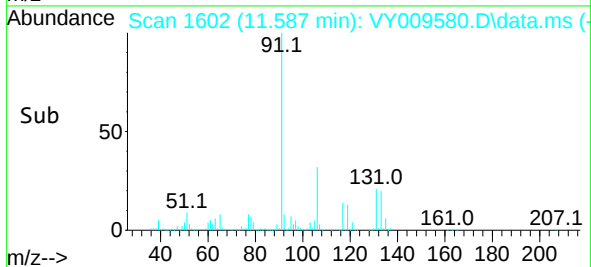
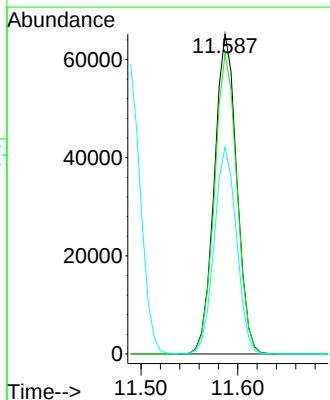
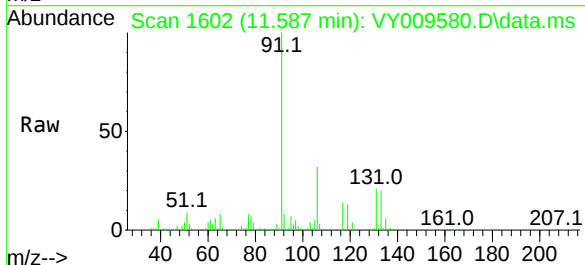
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

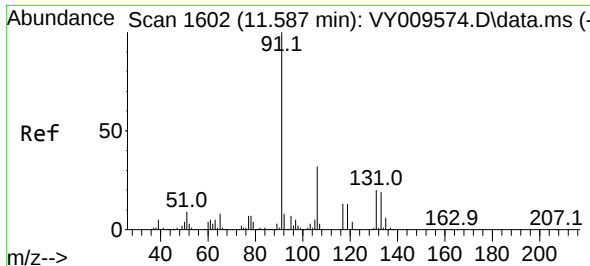
Tgt Ion:112 Resp: 278462  
Ion Ratio Lower Upper  
112 100  
114 31.6 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 47.523 ug/l  
RT: 11.587 min Scan# 1602  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:131 Resp: 104809  
Ion Ratio Lower Upper  
131 100  
133 94.1 47.9 143.6  
119 64.4 30.8 92.3





#67

Ethyl Benzene

Concen: 46.913 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

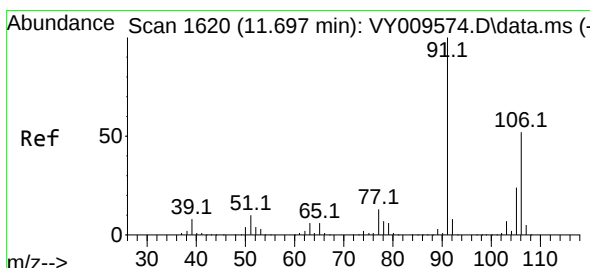
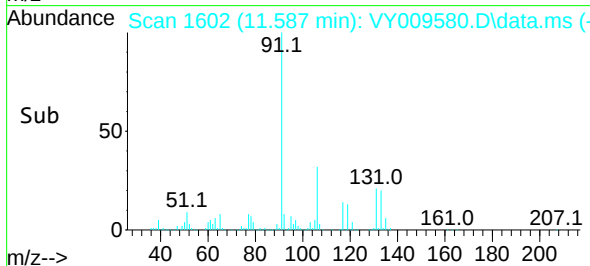
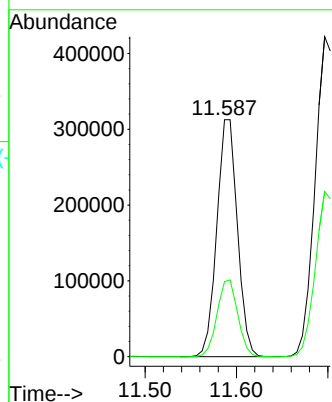
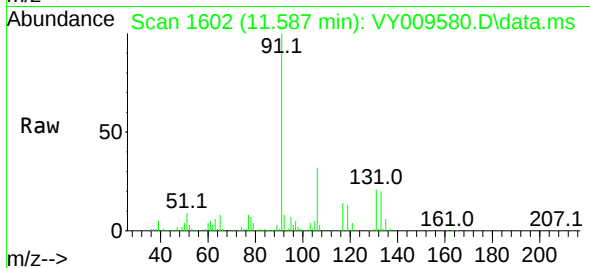
VSTDCCC050

Tgt Ion: 91 Resp: 489788

Ion Ratio Lower Upper

91 100

106 31.7 24.5 36.7



#68

m/p-Xylenes

Concen: 94.440 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY009580.D

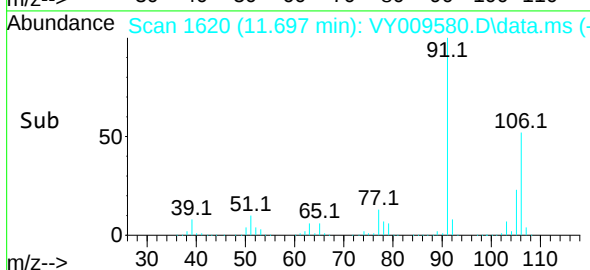
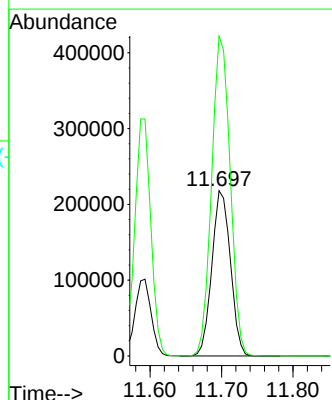
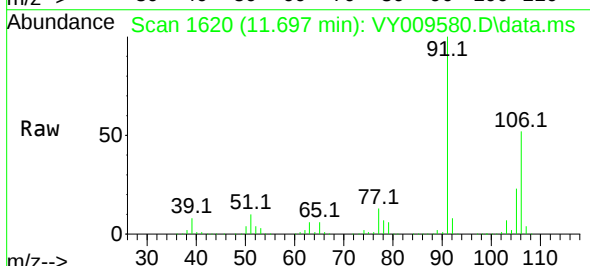
Acq: 19 Jul 2022 10:21

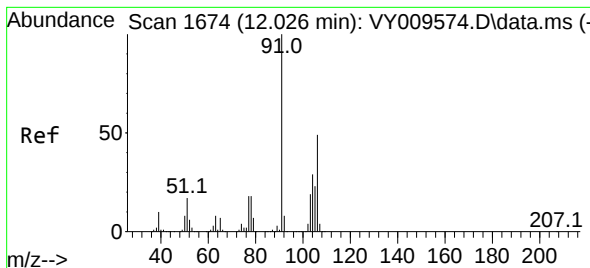
Tgt Ion:106 Resp: 392402

Ion Ratio Lower Upper

106 100

91 194.2 166.6 249.8

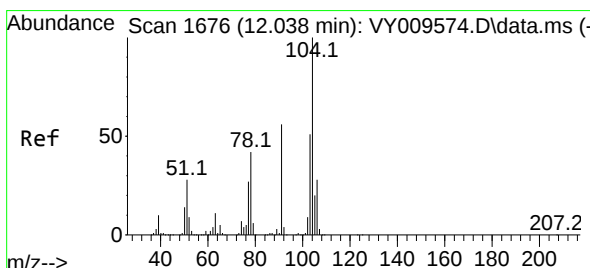
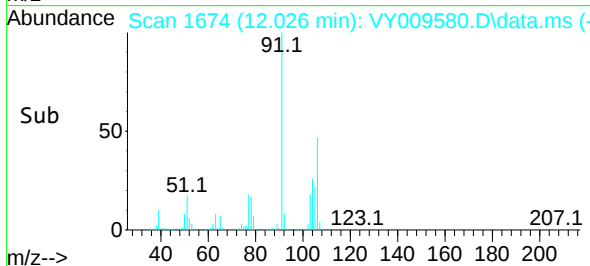
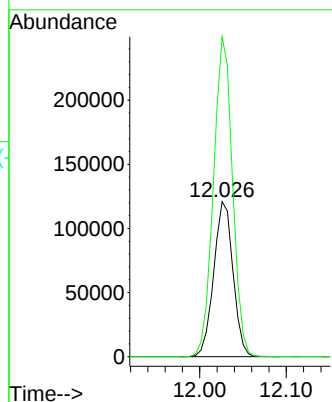
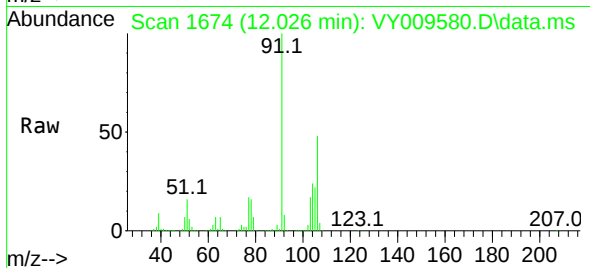




#69  
o-Xylene  
Concen: 48.025 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

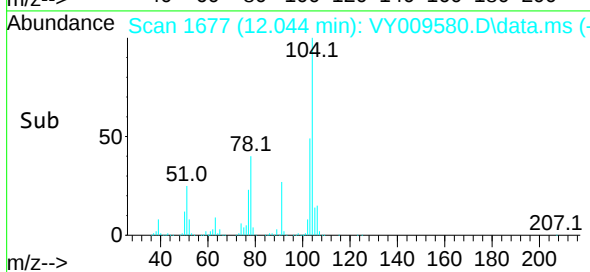
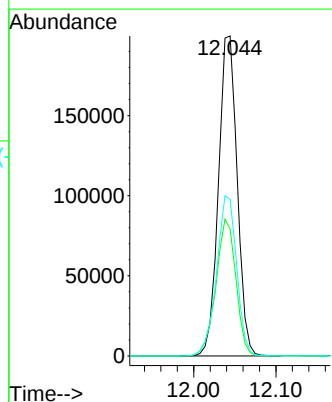
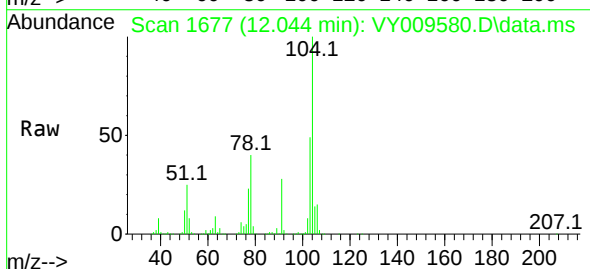
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

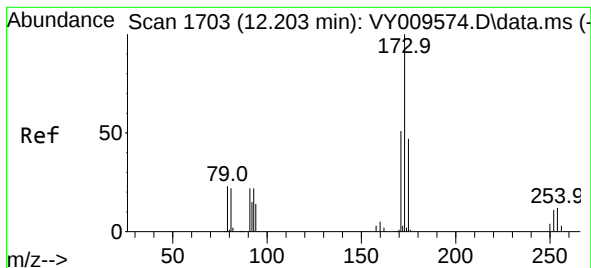
Tgt Ion:106 Resp: 186737  
Ion Ratio Lower Upper  
106 100  
91 203.8 110.3 331.0



#70  
Styrene  
Concen: 48.942 ug/l  
RT: 12.044 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:104 Resp: 316517  
Ion Ratio Lower Upper  
104 100  
78 45.5 42.4 63.6  
103 53.7 44.4 66.6





#71

Bromoform

Concen: 48.592 ug/l

RT: 12.203 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

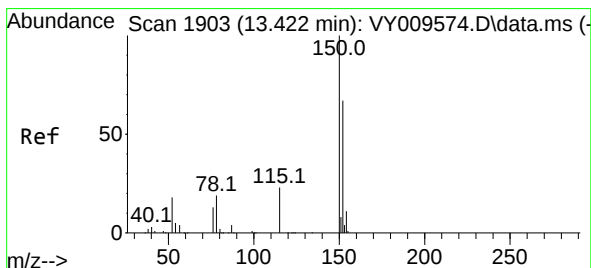
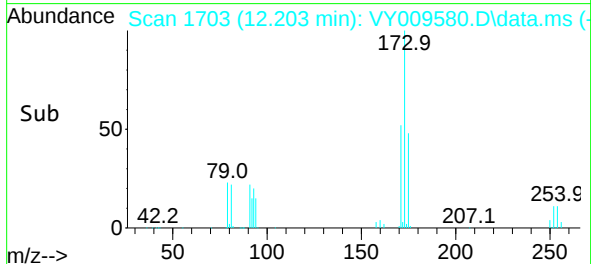
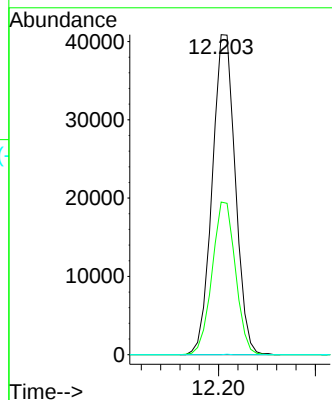
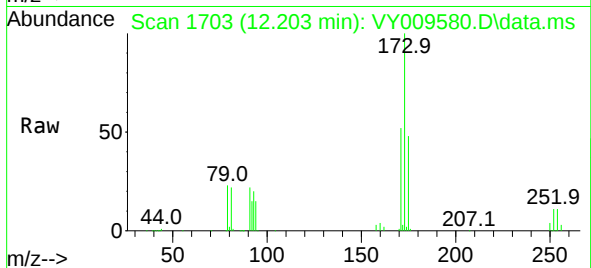
Tgt Ion:173 Resp: 67630

Ion Ratio Lower Upper

173 100

175 48.3 24.6 74.0

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

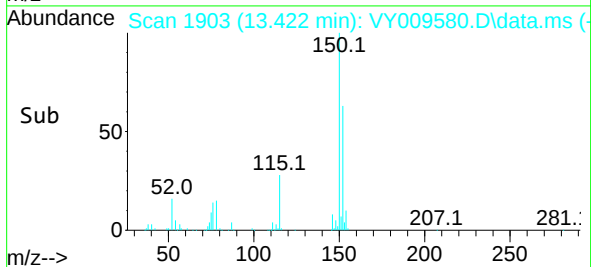
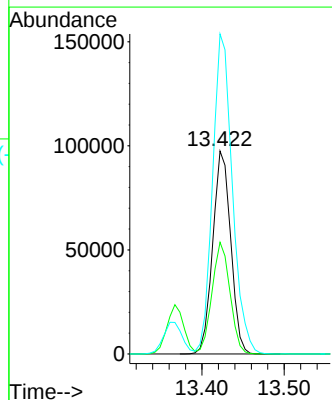
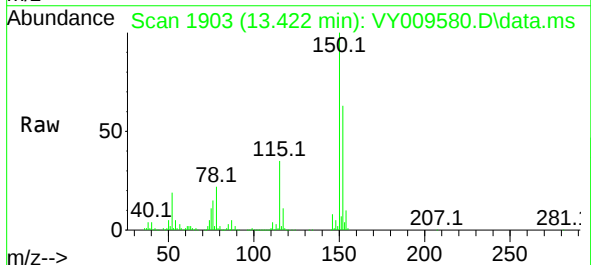
Tgt Ion:152 Resp: 148020

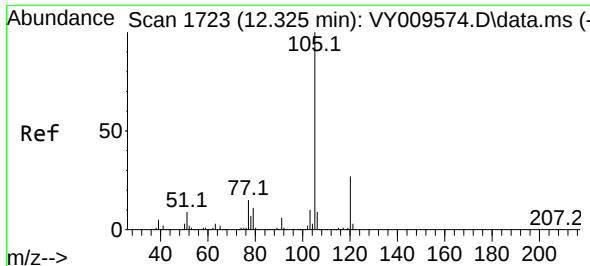
Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 173.1 0.0 347.6

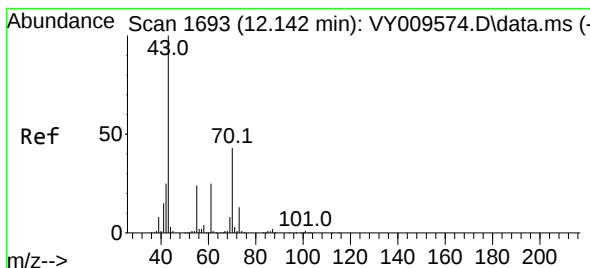
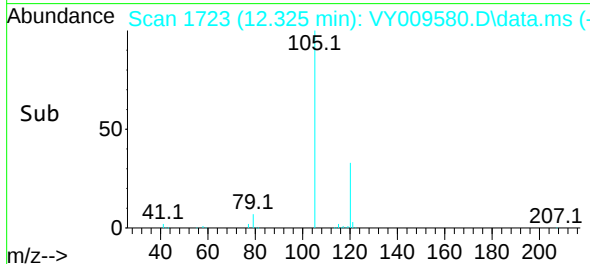
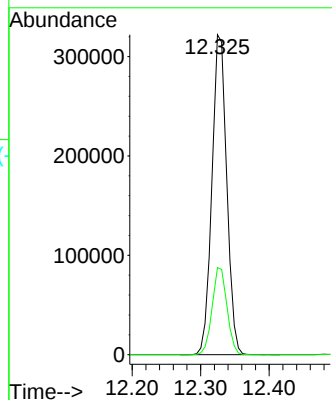
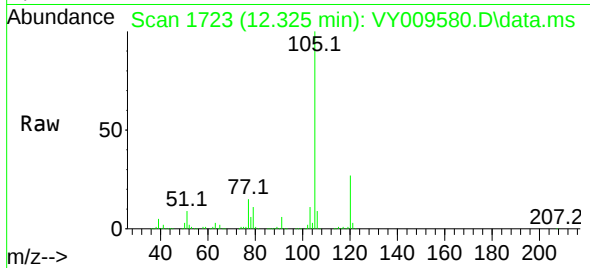




#73  
Isopropylbenzene  
Concen: 47.220 ug/l  
RT: 12.325 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

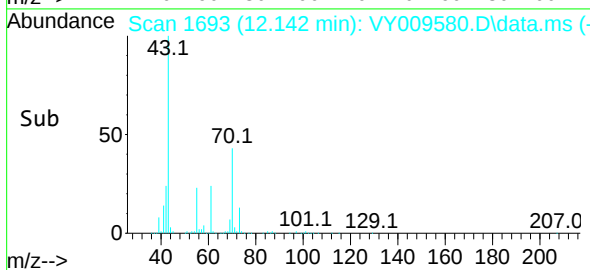
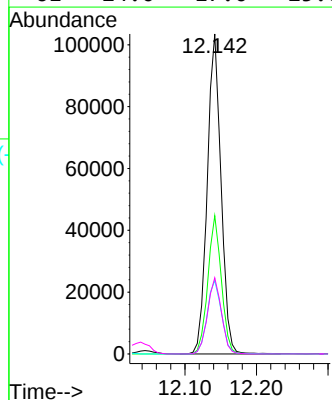
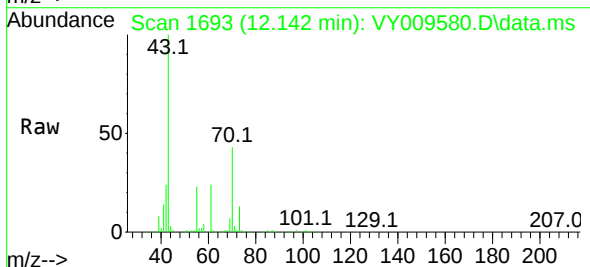
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

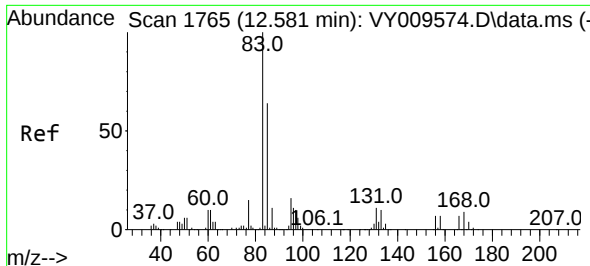
Tgt Ion:105 Resp: 483926  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.2



#74  
N-ethyl acetate  
Concen: 50.764 ug/l  
RT: 12.142 min Scan# 1693  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 43 Resp: 138362  
Ion Ratio Lower Upper  
43 100  
70 42.5 28.7 43.1  
55 24.1 17.3 25.9  
61 24.0 17.0 25.6

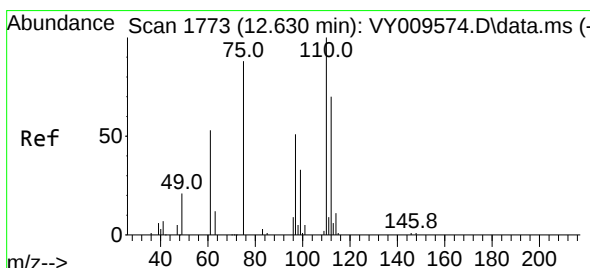
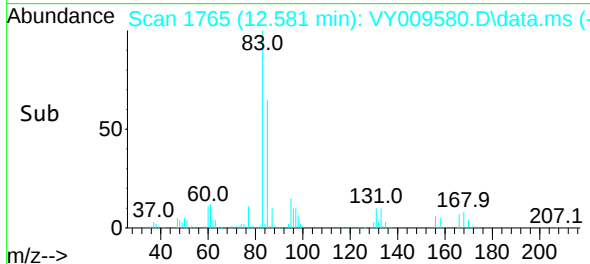
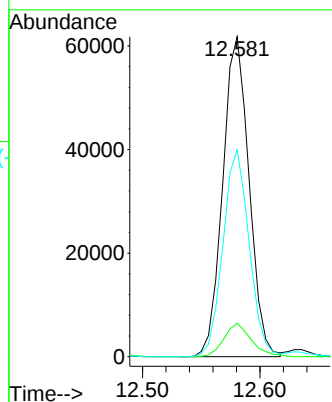
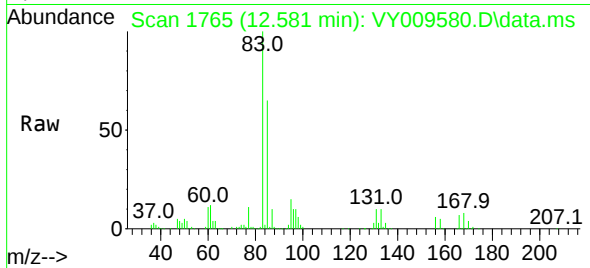




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 46.825 ug/l  
 RT: 12.581 min Scan# 1765  
 Delta R.T. -0.000 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

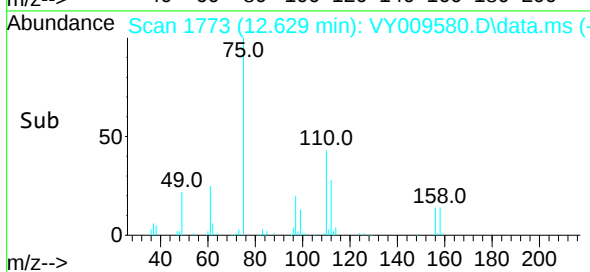
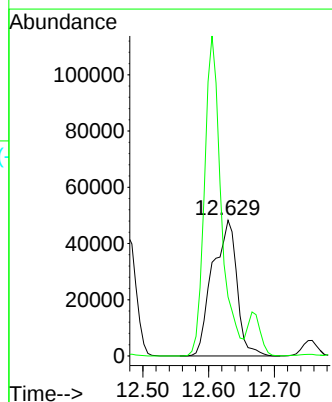
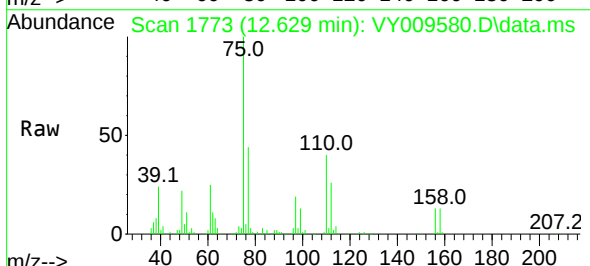
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

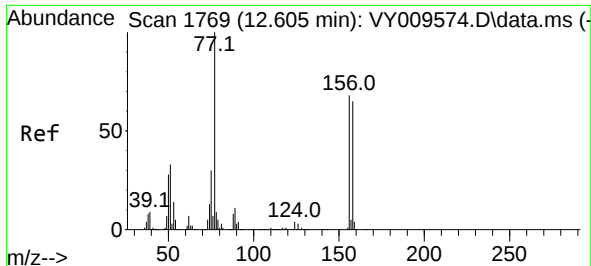
Tgt Ion: 83 Resp: 96105  
 Ion Ratio Lower Upper  
 83 100  
 131 10.8 5.6 16.8  
 85 64.4 32.3 96.8



#76  
 1,2,3-Trichloropropane  
 Concen: 88.445 ug/l  
 RT: 12.629 min Scan# 1773  
 Delta R.T. -0.000 min  
 Lab File: VY009580.D  
 Acq: 19 Jul 2022 10:21

Tgt Ion: 75 Resp: 124712  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0

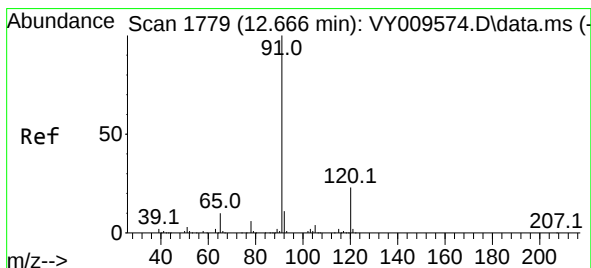
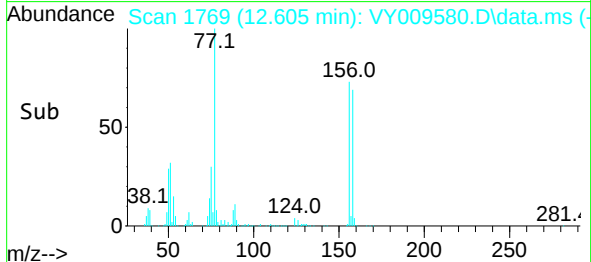
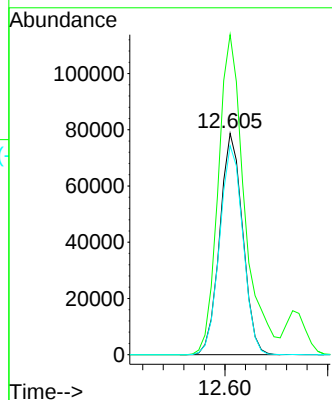
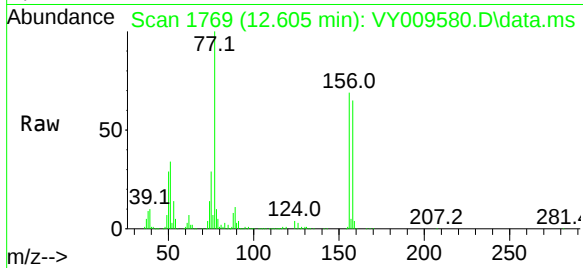




#77  
Bromobenzene  
Concen: 47.204 ug/l  
RT: 12.605 min Scan# 1769  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

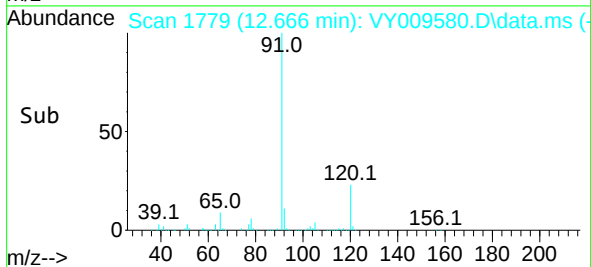
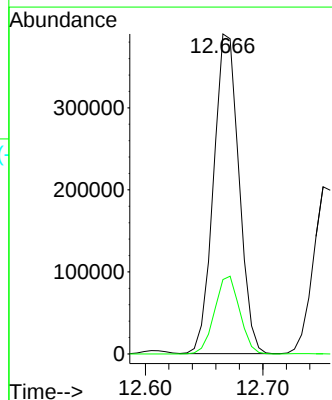
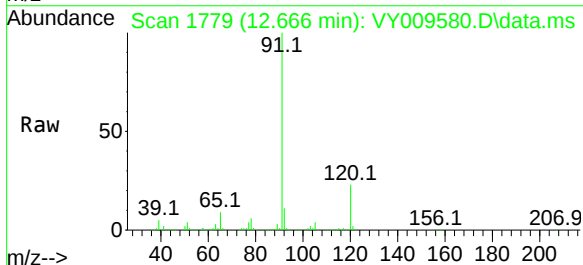
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

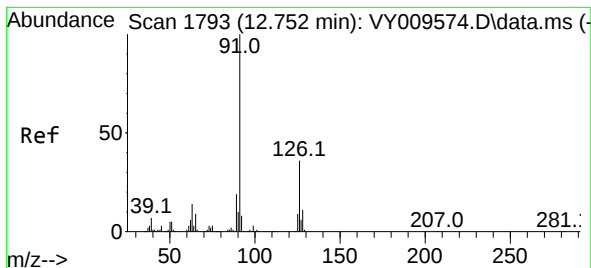
Tgt Ion:156 Resp: 121652  
Ion Ratio Lower Upper  
156 100  
77 166.0 95.5 286.4  
158 95.9 48.0 144.0



#78  
n-propylbenzene  
Concen: 47.204 ug/l  
RT: 12.666 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 91 Resp: 584562  
Ion Ratio Lower Upper  
91 100  
120 24.0 11.3 33.9

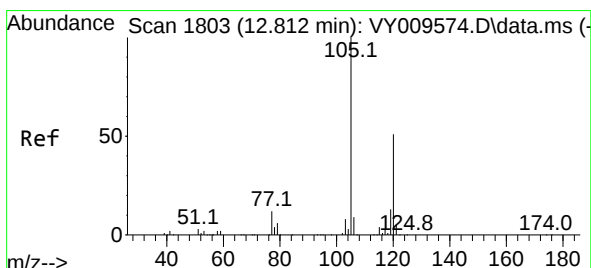
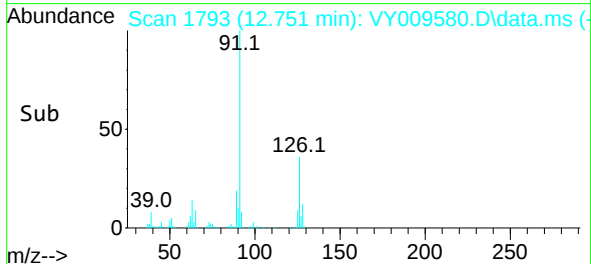
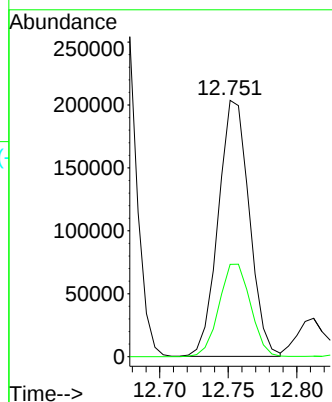
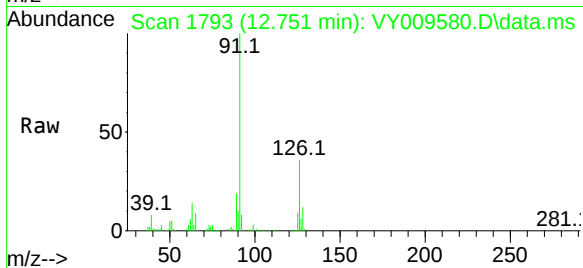




#79  
2-Chlorotoluene  
Concen: 46.747 ug/l  
RT: 12.751 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

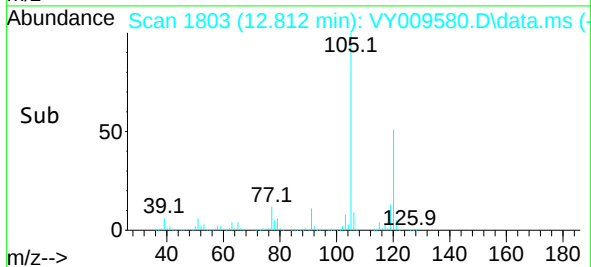
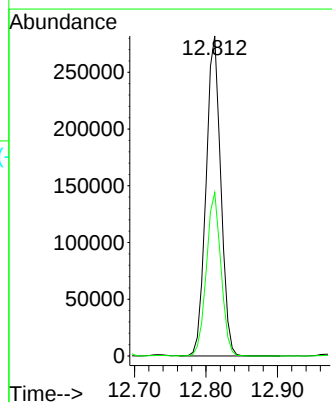
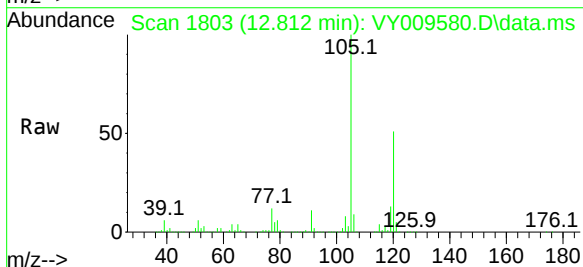
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

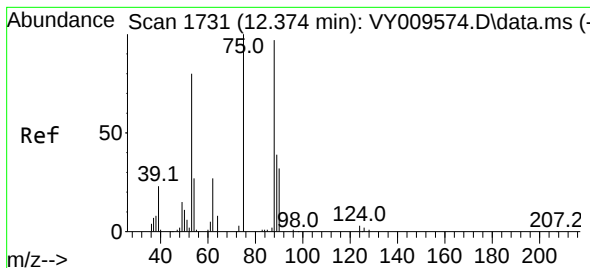
Tgt Ion: 91 Resp: 320965  
Ion Ratio Lower Upper  
91 100  
126 36.7 16.9 50.6



#80  
1,3,5-Trimethylbenzene  
Concen: 47.608 ug/l  
RT: 12.812 min Scan# 1803  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 105 Resp: 403162  
Ion Ratio Lower Upper  
105 100  
120 50.5 24.4 73.4

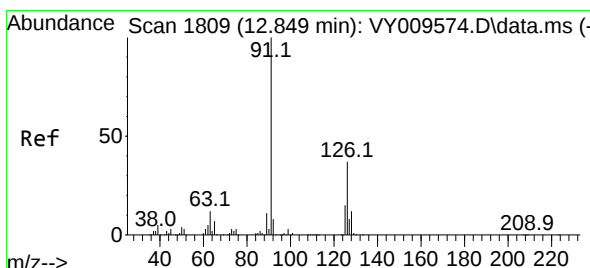
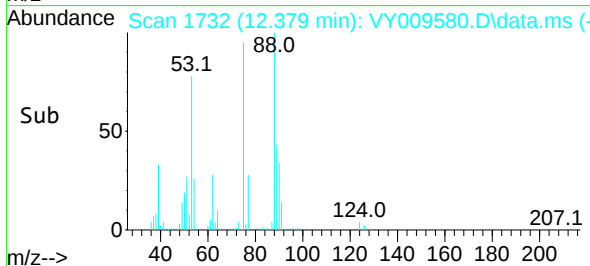
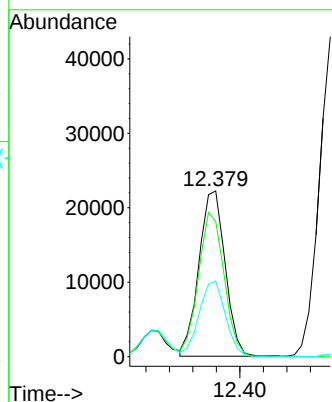
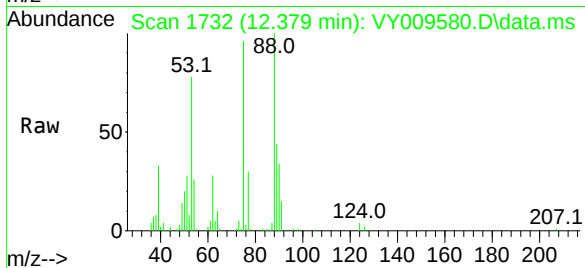




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.067 ug/l  
RT: 12.379 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

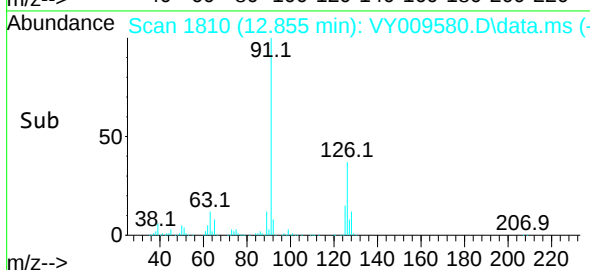
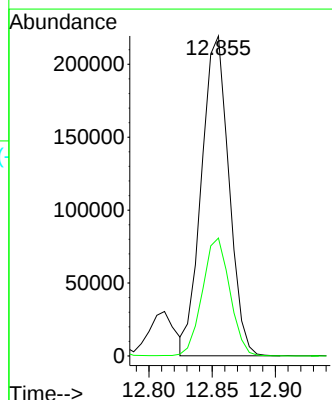
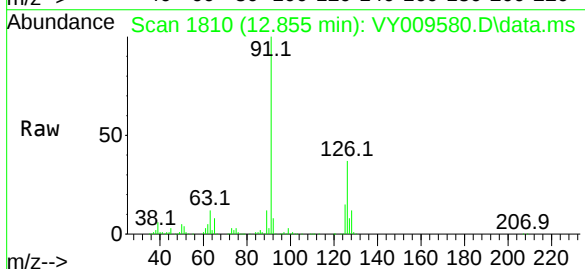
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

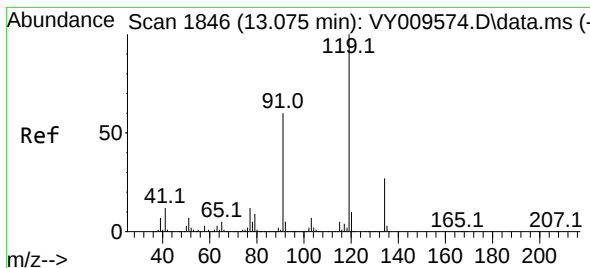
Tgt Ion: 75 Resp: 34373  
Ion Ratio Lower Upper  
75 100  
53 86.0 85.3 127.9  
89 45.8 37.0 55.4



#82  
4-Chlorotoluene  
Concen: 46.449 ug/l  
RT: 12.855 min Scan# 1810  
Delta R.T. 0.006 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion: 91 Resp: 330851  
Ion Ratio Lower Upper  
91 100  
126 37.0 17.0 51.0





#83

tert-Butylbenzene

Concen: 47.450 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

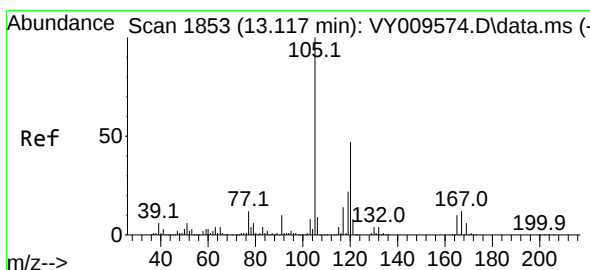
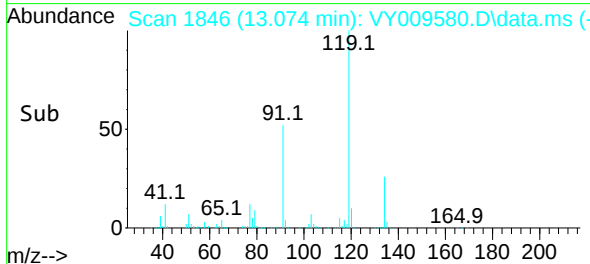
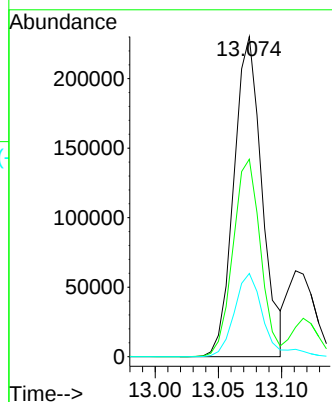
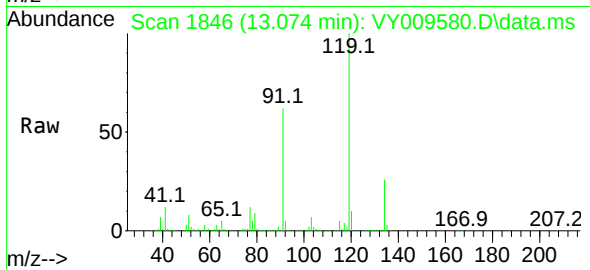
Tgt Ion:119 Resp: 356997

Ion Ratio Lower Upper

119 100

91 60.4 34.8 104.4

134 27.1 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 47.483 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY009580.D

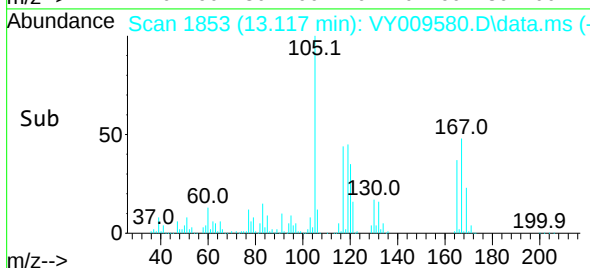
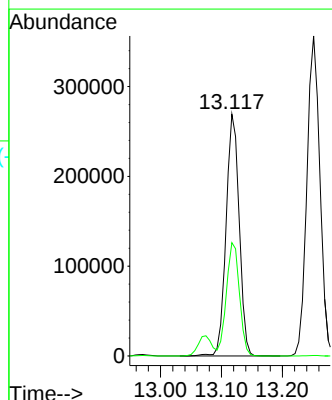
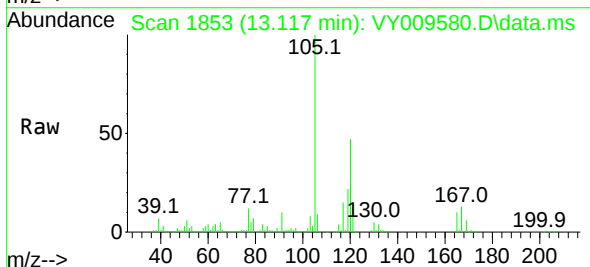
Acq: 19 Jul 2022 10:21

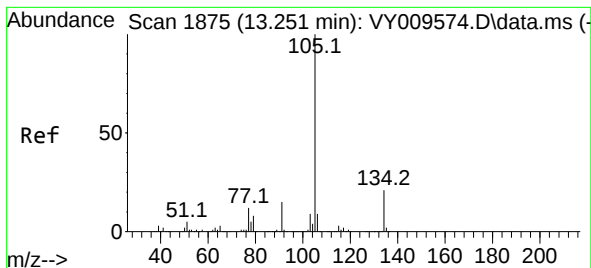
Tgt Ion:105 Resp: 402137

Ion Ratio Lower Upper

105 100

120 46.6 22.3 66.9





#85

sec-Butylbenzene

Concen: 47.236 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

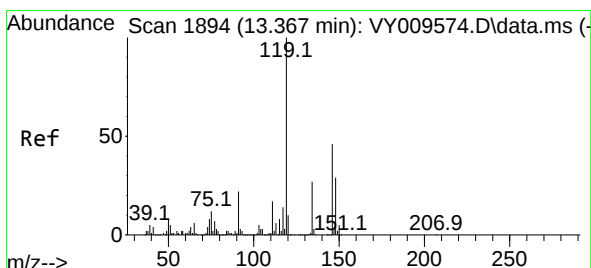
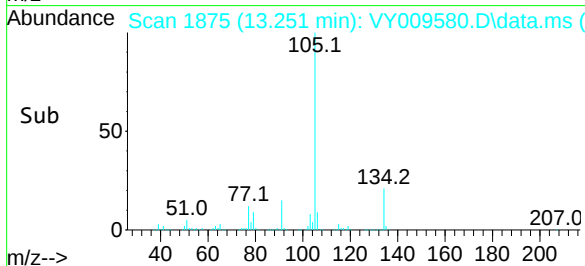
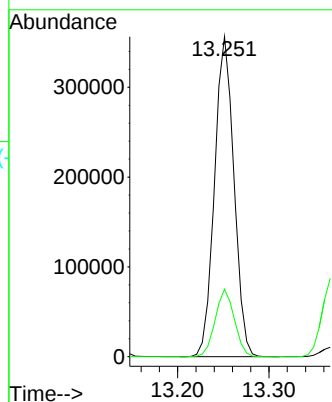
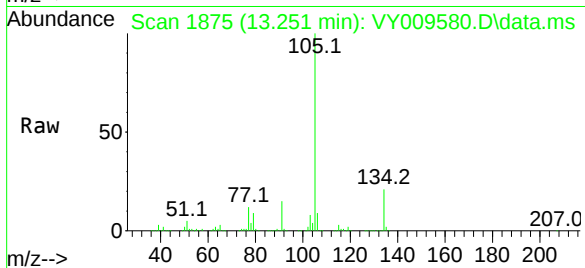
VSTDCCC050

Tgt Ion:105 Resp: 526905

Ion Ratio Lower Upper

105 100

134 20.8 10.2 30.4



#86

p-Isopropyltoluene

Concen: 48.287 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

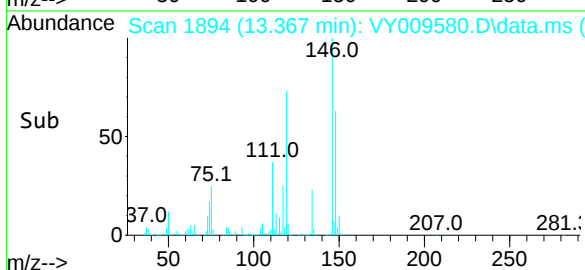
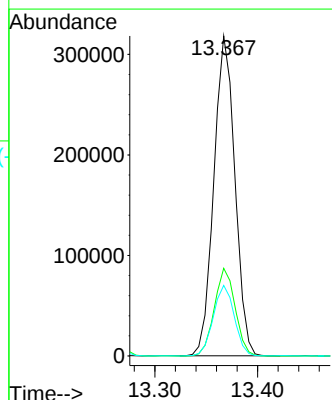
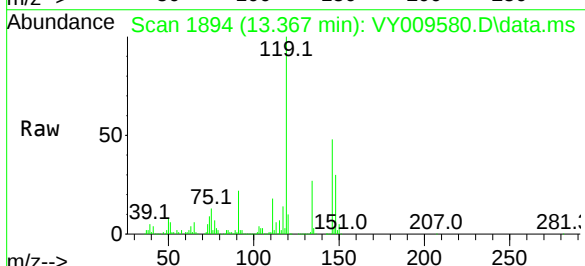
Tgt Ion:119 Resp: 452655

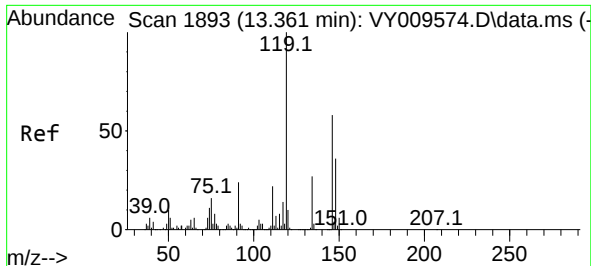
Ion Ratio Lower Upper

119 100

134 27.1 13.2 39.5

91 22.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 46.397 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

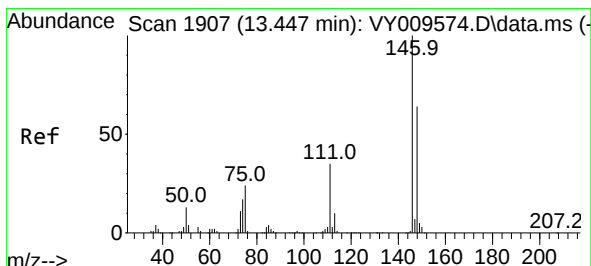
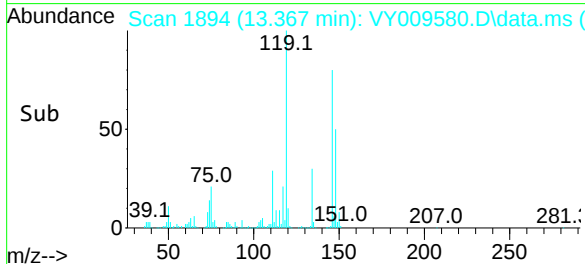
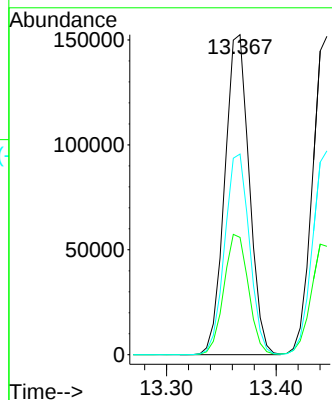
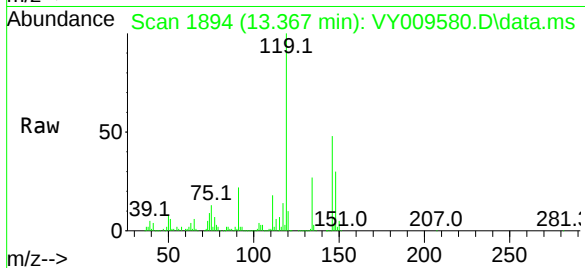
Tgt Ion:146 Resp: 236535

Ion Ratio Lower Upper

146 100

111 37.6 19.5 58.5

148 63.4 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 46.160 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

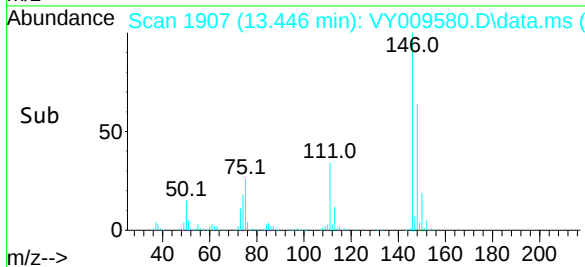
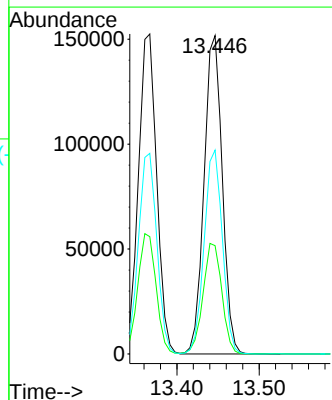
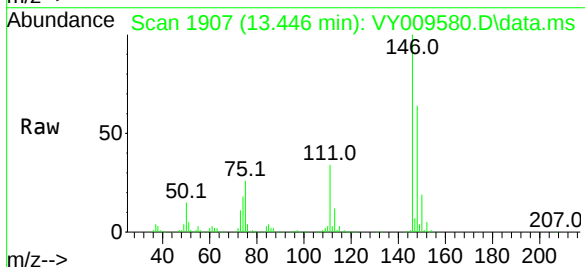
Tgt Ion:146 Resp: 233327

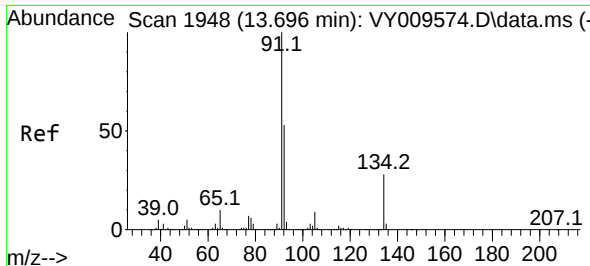
Ion Ratio Lower Upper

146 100

111 35.8 19.3 57.8

148 64.2 32.6 97.8





#89

n-Butylbenzene

Concen: 48.375 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

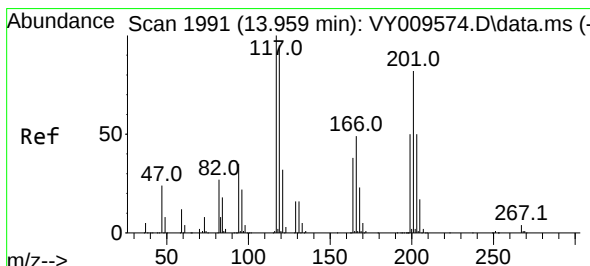
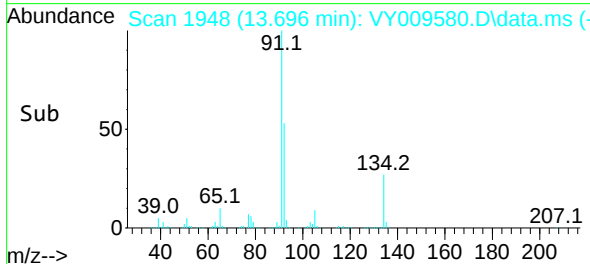
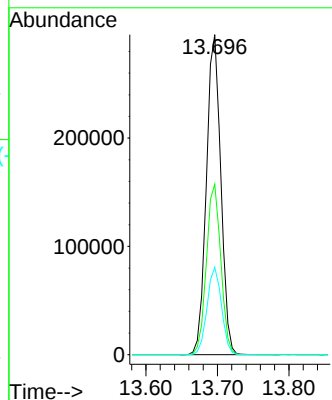
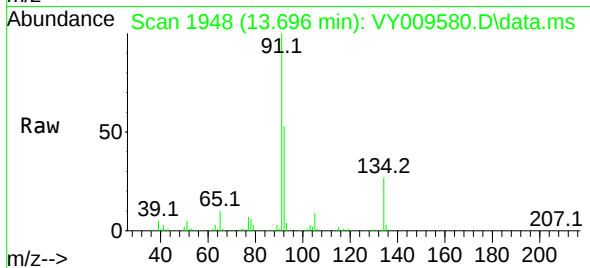
Tgt Ion: 91 Resp: 414159

Ion Ratio Lower Upper

91 100

92 53.2 26.3 78.9

134 27.4 13.0 38.9



#90

Hexachloroethane

Concen: 46.825 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY009580.D

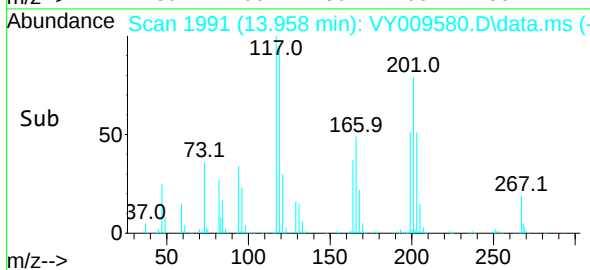
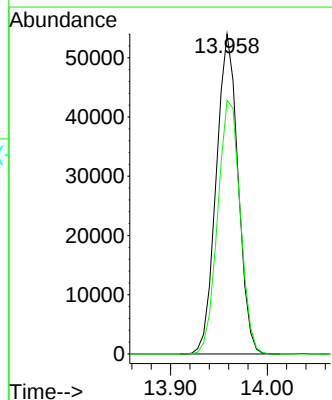
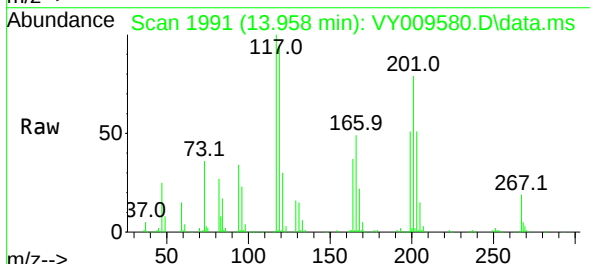
Acq: 19 Jul 2022 10:21

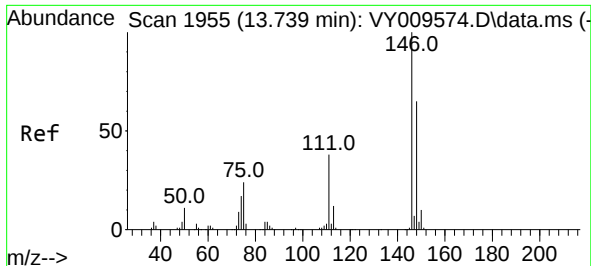
Tgt Ion: 117 Resp: 84568

Ion Ratio Lower Upper

117 100

201 81.8 43.0 128.8





#91

1,2-Dichlorobenzene

Concen: 47.140 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

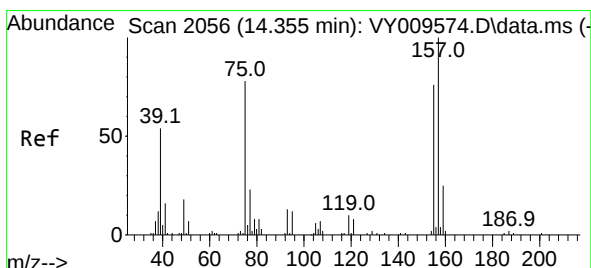
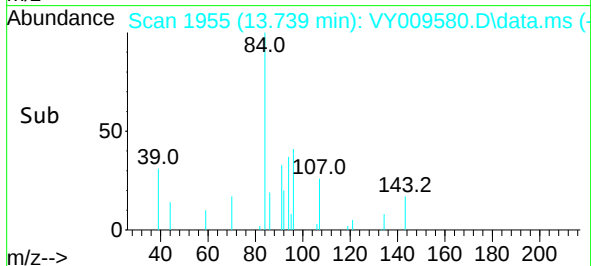
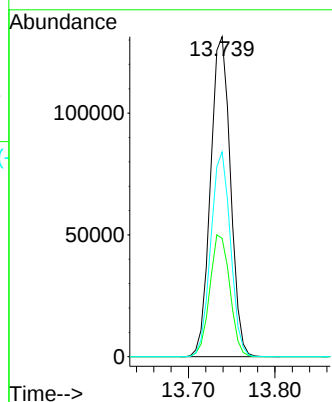
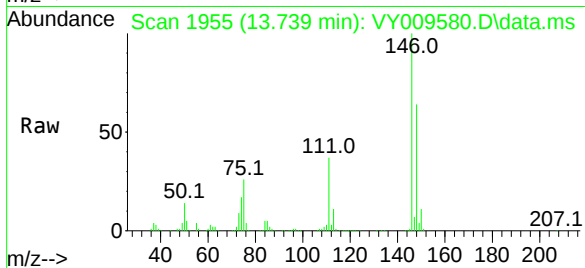
Tgt Ion:146 Resp: 209941

Ion Ratio Lower Upper

146 100

111 38.3 20.3 60.9

148 63.3 32.3 96.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.716 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

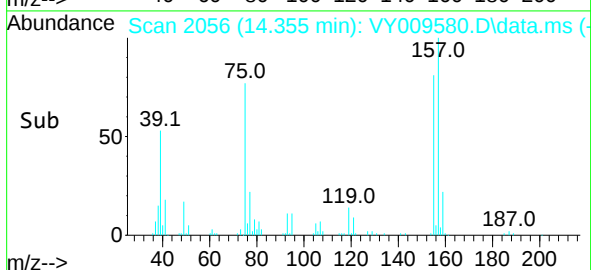
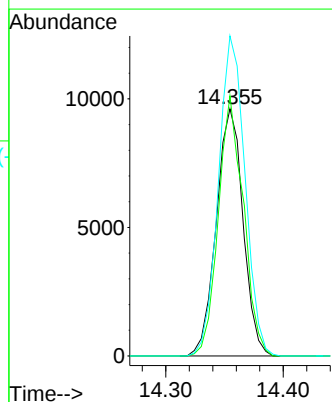
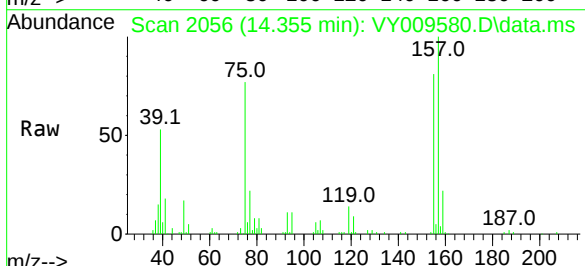
Tgt Ion: 75 Resp: 15211

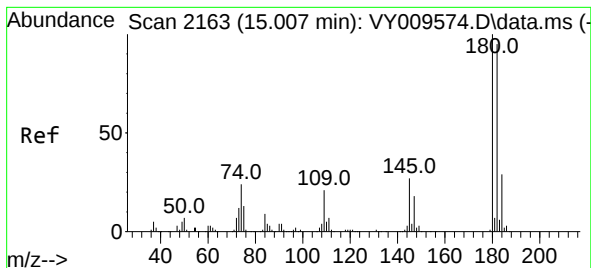
Ion Ratio Lower Upper

75 100

155 98.4 38.0 113.9

157 128.7 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 48.771 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

Instrument :

MSVOA\_Y

ClientSampleId :

VSTDCCC050

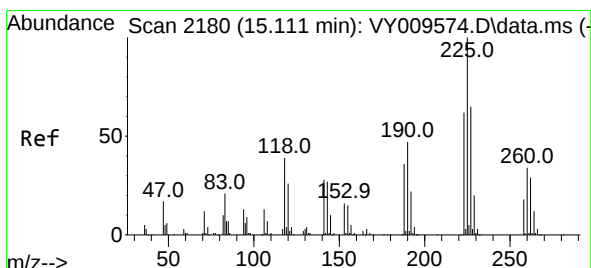
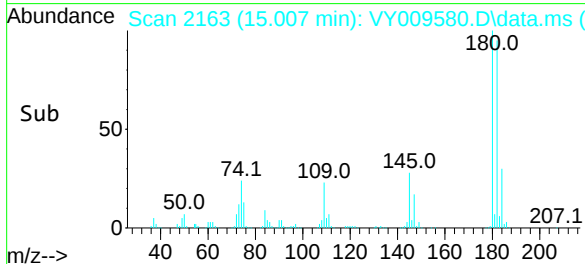
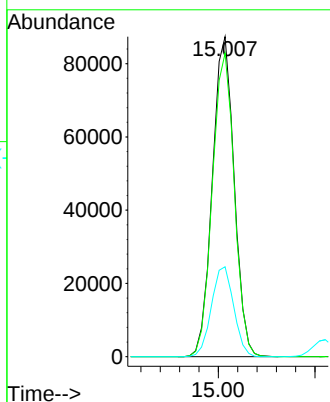
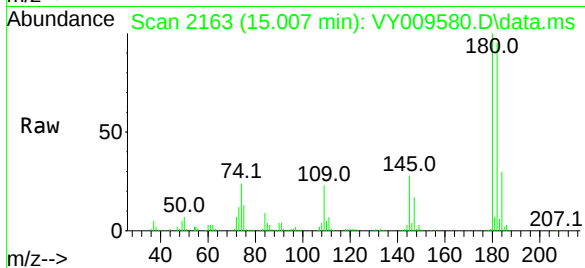
Tgt Ion:180 Resp: 136327

Ion Ratio Lower Upper

180 100

182 95.6 47.3 141.9

145 28.8 14.6 43.8



#94

Hexachlorobutadiene

Concen: 48.960 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY009580.D

Acq: 19 Jul 2022 10:21

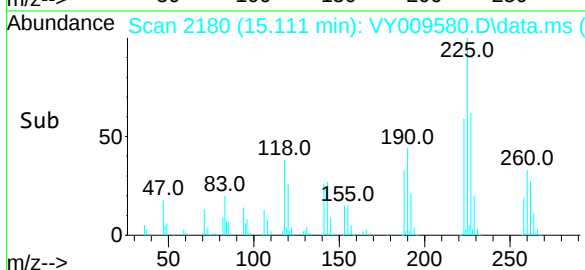
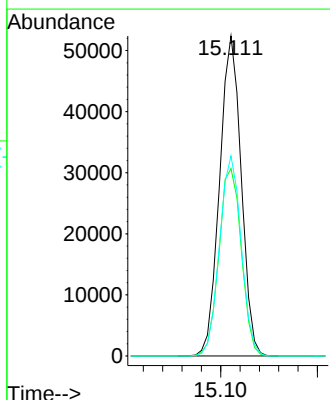
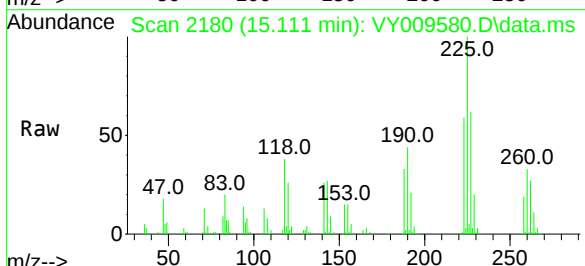
Tgt Ion:225 Resp: 81188

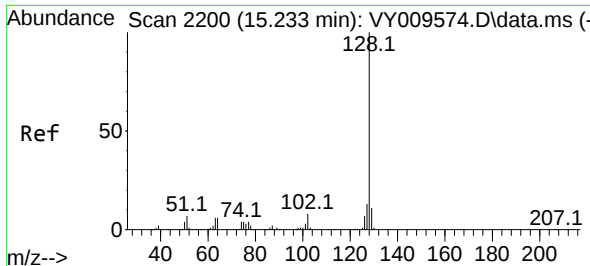
Ion Ratio Lower Upper

225 100

223 60.7 30.8 92.3

227 62.8 31.6 94.7

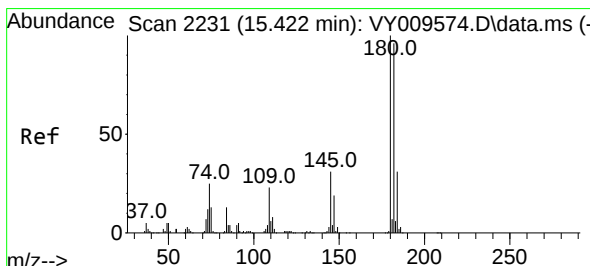
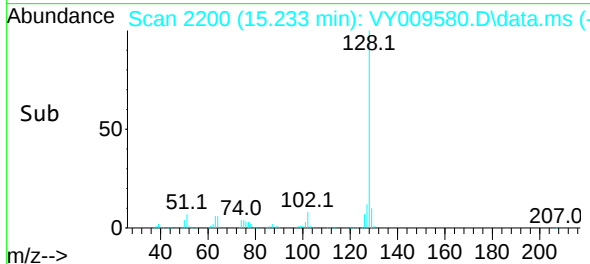
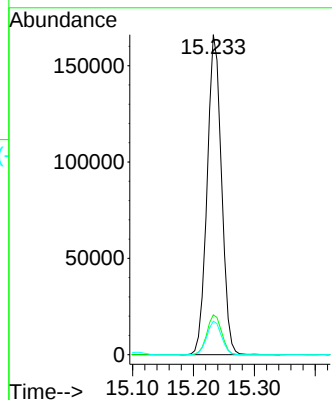
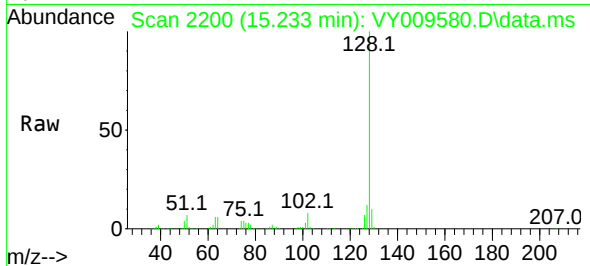




#95  
Naphthalene  
Concen: 50.928 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 271791  
Ion Ratio Lower Upper  
128 100  
127 12.8 11.0 16.4  
129 10.7 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 49.075 ug/l  
RT: 15.422 min Scan# 2231  
Delta R.T. -0.000 min  
Lab File: VY009580.D  
Acq: 19 Jul 2022 10:21

Tgt Ion:180 Resp: 120499  
Ion Ratio Lower Upper  
180 100  
182 95.5 47.3 141.9  
145 30.3 15.3 45.9

