

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050222\  
 Data File : VD072753.D  
 Acq On : 02 May 2022 18:34  
 Operator : VA/SY  
 Sample : VD0502SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0502SBS01

Quant Time: May 03 08:36:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.973  | 168   | 289871   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.856  | 114   | 501362   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.632 | 117   | 493021   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561 | 152   | 243346   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.320  | 65    | 198010   | 52.624   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 105.240% |          |
| 35) Dibromofluoromethane     | 7.909  | 113   | 181961   | 51.677   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 103.360% |          |
| 50) Toluene-d8               | 10.332 | 98    | 628148   | 49.732   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 99.460%  |          |
| 62) 4-Bromofluorobenzene     | 12.620 | 95    | 243932   | 51.795   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 103.580% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.985  | 85    | 81657    | 20.386   | ug/l       | 99       |
| 3) Chloromethane             | 2.209  | 50    | 84229    | 20.220   | ug/l       | 96       |
| 4) Vinyl Chloride            | 2.344  | 62    | 74985    | 20.060   | ug/l       | 98       |
| 5) Bromomethane              | 2.750  | 94    | 49013    | 20.403   | ug/l       | 97       |
| 6) Chloroethane              | 2.915  | 64    | 48625    | 20.872   | ug/l       | 97       |
| 7) Trichlorofluoromethane    | 3.268  | 101   | 139447   | 21.304   | ug/l       | 99       |
| 8) Diethyl Ether             | 3.709  | 74    | 39668    | 21.139   | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.091  | 101   | 83015    | 21.363   | ug/l       | 96       |
| 10) Methyl Iodide            | 4.297  | 142   | 77993    | 19.999   | ug/l       | 99       |
| 11) Tert butyl alcohol       | 5.209  | 59    | 44719    | 137.362  | ug/l #     | 81       |
| 12) 1,1-Dichloroethene       | 4.062  | 96    | 71013    | 20.317   | ug/l       | 95       |
| 13) Acrolein                 | 3.921  | 56    | 30463    | 126.466  | ug/l       | 100      |
| 14) Allyl chloride           | 4.709  | 41    | 119947   | 21.256   | ug/l       | 93       |
| 15) Acrylonitrile            | 5.415  | 53    | 97119    | 108.900  | ug/l       | 97       |
| 16) Acetone                  | 4.162  | 43    | 69776    | 90.160   | ug/l       | 99       |
| 17) Carbon Disulfide         | 4.403  | 76    | 224269   | 20.406   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.721  | 43    | 48244    | 23.431   | ug/l       | 95       |
| 19) Methyl tert-butyl Ether  | 5.473  | 73    | 186373   | 22.242   | ug/l       | 96       |
| 20) Methylene Chloride       | 4.956  | 84    | 130451   | 25.959   | ug/l #     | 82       |
| 21) trans-1,2-Dichloroethene | 5.468  | 96    | 85865    | 21.420   | ug/l       | 93       |
| 22) Diisopropyl ether        | 6.367  | 45    | 271894   | 21.903   | ug/l #     | 88       |
| 23) Vinyl Acetate            | 6.303  | 43    | 747422   | 108.993  | ug/l #     | 95       |
| 24) 1,1-Dichloroethane       | 6.256  | 63    | 157412   | 21.106   | ug/l       | 98       |
| 25) 2-Butanone               | 7.209  | 43    | 116448   | 106.215  | ug/l #     | 88       |
| 26) 2,2-Dichloropropane      | 7.203  | 77    | 133153   | 21.118   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 7.209  | 96    | 97610    | 21.260   | ug/l       | 91       |
| 28) Bromochloromethane       | 7.538  | 49    | 57013    | 20.499   | ug/l       | 89       |
| 29) Tetrahydrofuran          | 7.562  | 42    | 76129    | 108.940  | ug/l       | 93       |
| 30) Chloroform               | 7.703  | 83    | 167818   | 21.266   | ug/l       | 97       |
| 31) Cyclohexane              | 7.979  | 56    | 132406   | 20.130   | ug/l       | 93       |
| 32) 1,1,1-Trichloroethane    | 7.897  | 97    | 144678   | 21.511   | ug/l       | 96       |
| 36) 1,1-Dichloropropene      | 8.109  | 75    | 116141   | 20.285   | ug/l       | 95       |
| 37) Ethyl Acetate            | 7.285  | 43    | 55210    | 20.976   | ug/l       | 96       |
| 38) Carbon Tetrachloride     | 8.091  | 117   | 127976   | 21.533   | ug/l       | 95       |
| 39) Methylcyclohexane        | 9.350  | 83    | 133930   | 20.167   | ug/l       | 99       |
| 40) Benzene                  | 8.344  | 78    | 351266   | 21.245   | ug/l       | 99       |

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 Sample : VD0502SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0502SBS01

Quant Time: May 03 08:36:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.509  | 41   | 31963    | 20.395  | ug/l # | 64       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 106719   | 21.419  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.444  | 43   | 103888   | 21.385  | ug/l   | 93       |
| 44) Trichloroethene           | 9.109  | 130  | 93822    | 21.210  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 93416    | 21.514  | ug/l   | 97       |
| 46) Dibromomethane            | 9.473  | 93   | 50401    | 21.042  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.656  | 83   | 132174   | 21.451  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.450  | 41   | 48808    | 20.537  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 11799    | 437.448 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 275047   | 108.958 | ug/l   | 95       |
| 52) Toluene                   | 10.397 | 92   | 222764   | 21.598  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 121225   | 21.419  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 144094   | 21.914  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 70607    | 21.806  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.656 | 69   | 81350    | 21.338  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 122149   | 21.983  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 196045   | 106.060 | ug/l   | 97       |
| 59) 2-Hexanone                | 10.973 | 43   | 179551   | 105.706 | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.126 | 129  | 89886    | 22.051  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 67988    | 21.572  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.867 | 164  | 72552    | 20.128  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.661 | 112  | 235765   | 20.675  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 88852    | 20.733  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.738 | 91   | 411520   | 20.853  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.844 | 106  | 322938   | 42.481  | ug/l   | 99       |
| 69) o-Xylene                  | 12.167 | 106  | 148957   | 20.981  | ug/l   | 96       |
| 70) Styrene                   | 12.185 | 104  | 268039   | 21.790  | ug/l   | 97       |
| 71) Bromoform                 | 12.355 | 173  | 49420    | 21.278  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.467 | 105  | 392857   | 20.750  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 98178    | 20.823  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 79044    | 20.682  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 102293   | 37.698  | ug/l # | 100      |
| 77) Bromobenzene              | 12.750 | 156  | 96315    | 21.423  | ug/l   | 95       |
| 78) n-propylbenzene           | 12.808 | 91   | 499166   | 20.919  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 289534   | 20.771  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.950 | 105  | 339228   | 21.131  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 24421    | 20.696  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 308693   | 21.195  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.208 | 119  | 274039   | 20.078  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 343664   | 21.416  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 431110   | 20.943  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 349334   | 20.698  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 190688   | 21.054  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 189936   | 21.059  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.826 | 91   | 334322   | 20.448  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.097 | 117  | 71936    | 20.805  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 169911   | 21.526  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.491 | 75   | 11937    | 19.703  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 15.144 | 180  | 95596    | 20.450  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 49944    | 19.563  | ug/l   | 97       |
| 95) Naphthalene               | 15.385 | 128  | 171953   | 20.007  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 83836    | 20.231  | ug/l   | 99       |

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Acq On : 02 May 2022 18:34  
Operator : VA/SY  
Sample : VD0502SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

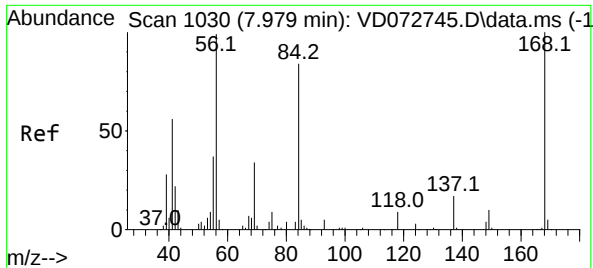
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

Quant Time: May 03 08:36:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 08:33:49 2022  
Response via : Initial Calibration

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

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

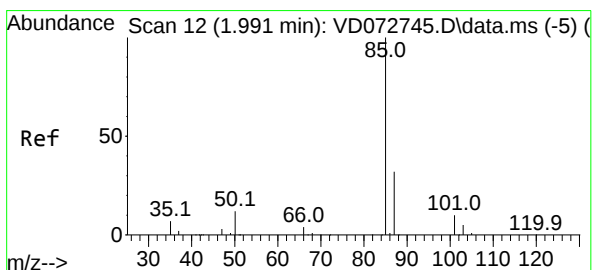
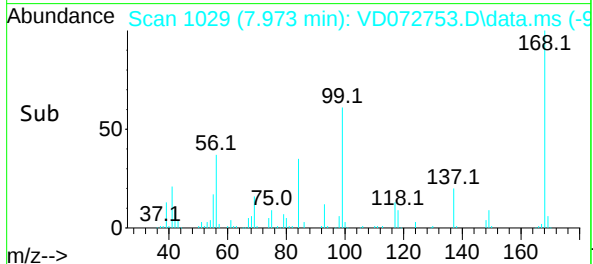
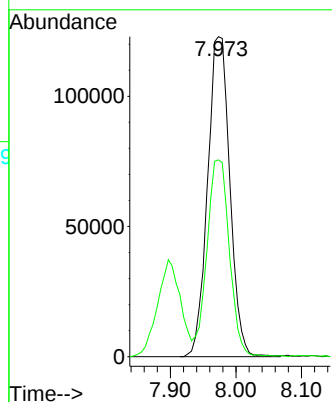
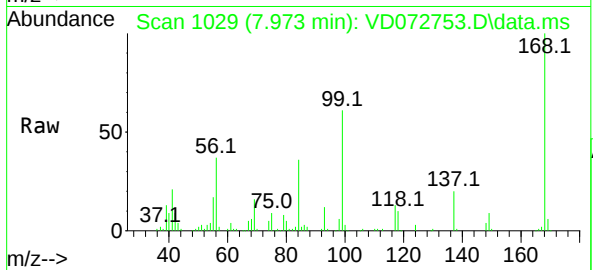




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

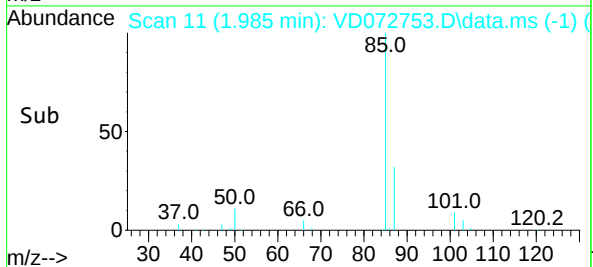
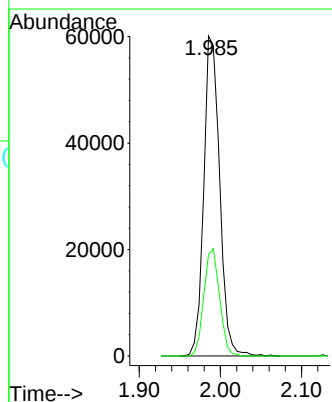
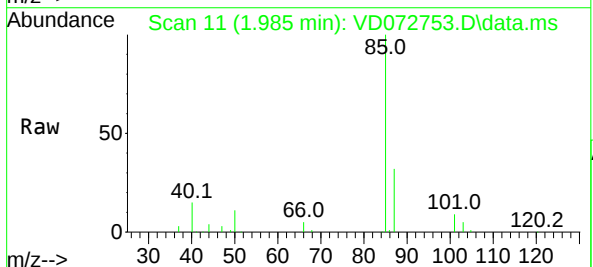
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

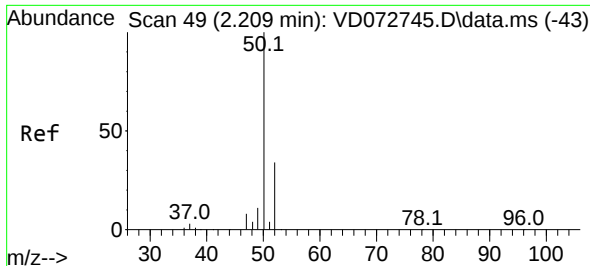
Tgt Ion:168 Resp: 289871  
Ion Ratio Lower Upper  
168 100  
99 61.2 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 20.386 ug/l  
RT: 1.985 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 85 Resp: 81657  
Ion Ratio Lower Upper  
85 100  
87 31.6 15.7 47.0

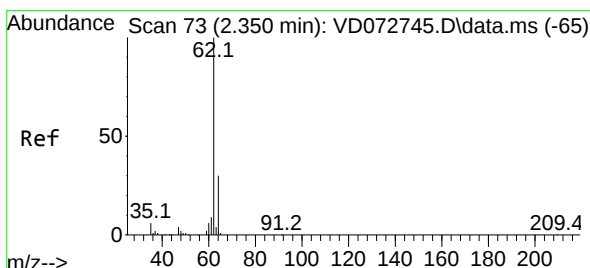
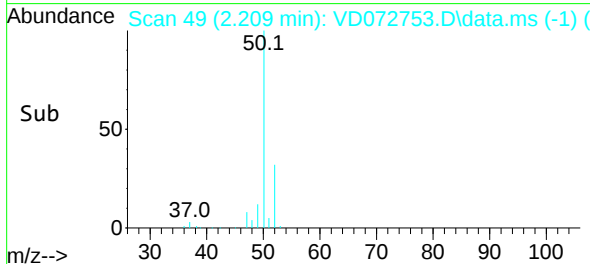
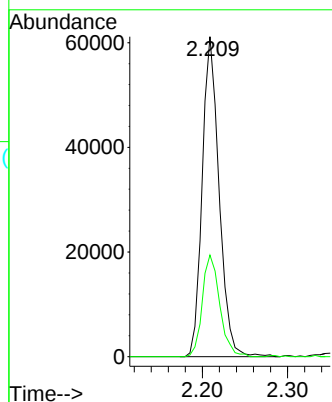
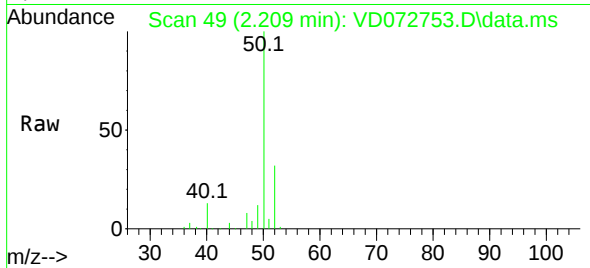




#3  
Chloromethane  
Concen: 20.220 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

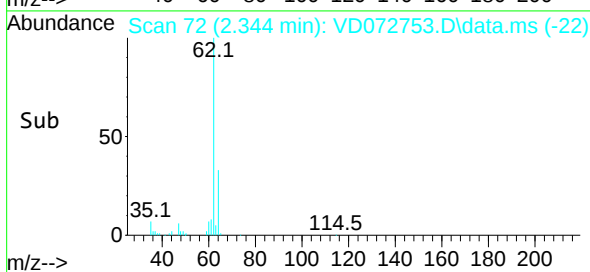
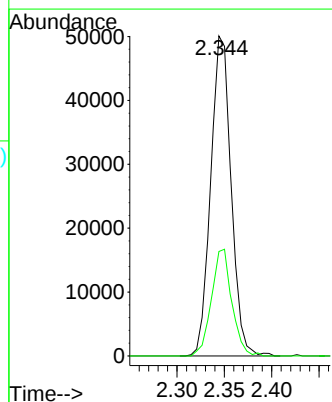
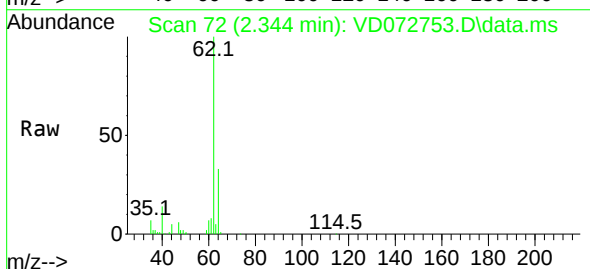
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

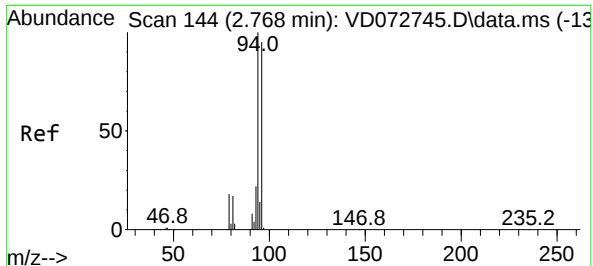
Tgt Ion: 50 Resp: 84229  
Ion Ratio Lower Upper  
50 100  
52 31.8 27.4 41.0



#4  
Vinyl Chloride  
Concen: 20.060 ug/l  
RT: 2.344 min Scan# 72  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 62 Resp: 74985  
Ion Ratio Lower Upper  
62 100  
64 32.7 25.4 38.0

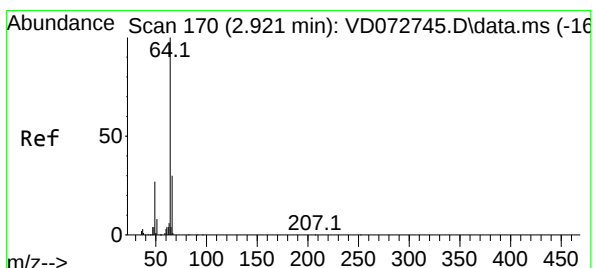
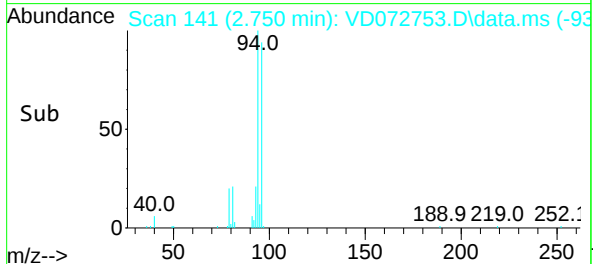
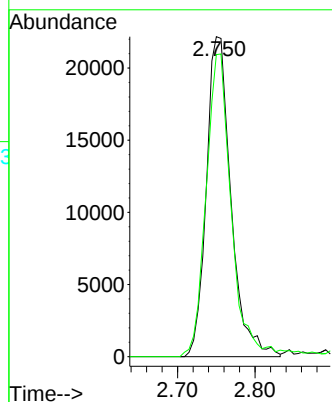
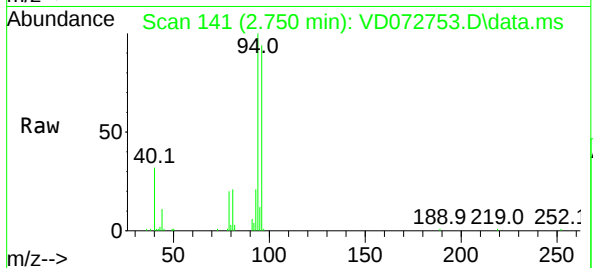




#5  
Bromomethane  
Concen: 20.403 ug/l  
RT: 2.750 min Scan# 144  
Delta R.T. -0.018 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

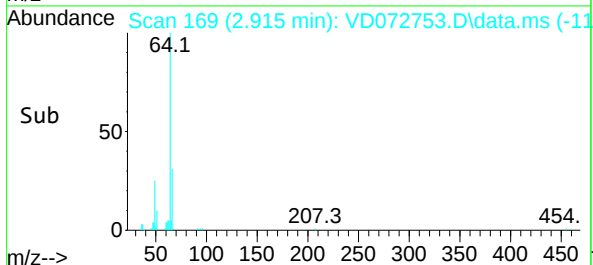
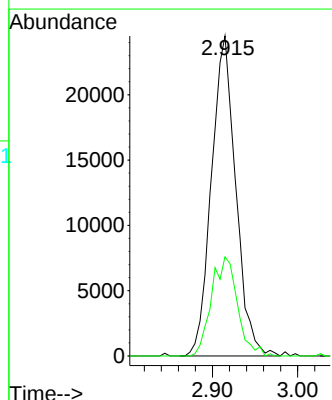
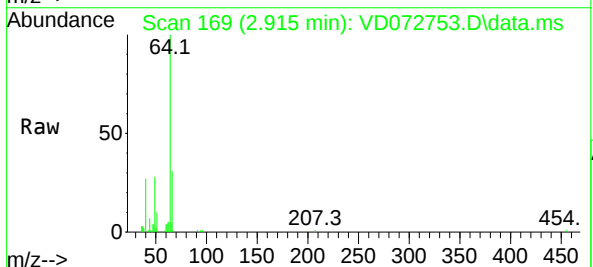
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

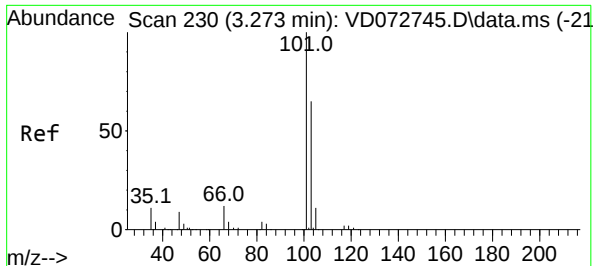
Tgt Ion: 94 Resp: 49013  
Ion Ratio Lower Upper  
94 100  
96 94.4 77.6 116.4



#6  
Chloroethane  
Concen: 20.872 ug/l  
RT: 2.915 min Scan# 169  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 64 Resp: 48625  
Ion Ratio Lower Upper  
64 100  
66 31.0 25.9 38.9

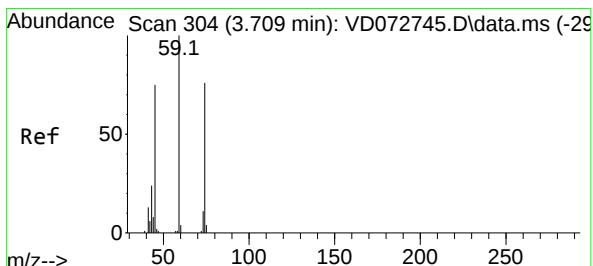
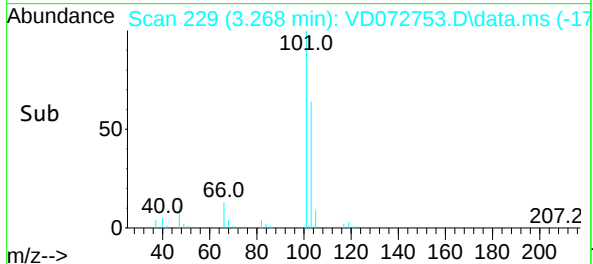
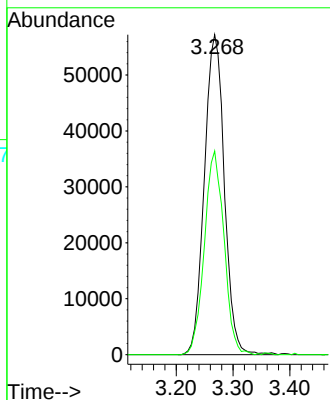
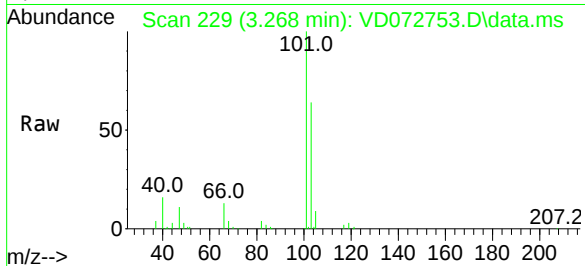




#7  
Trichlorofluoromethane  
Concen: 21.304 ug/l  
RT: 3.268 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

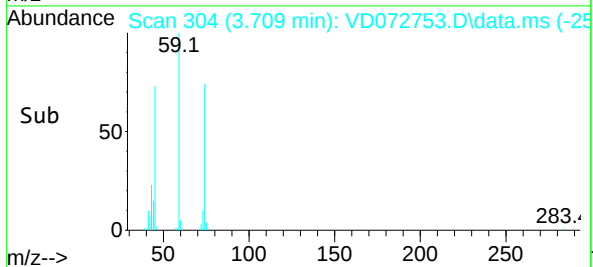
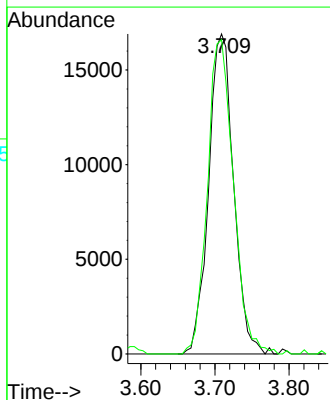
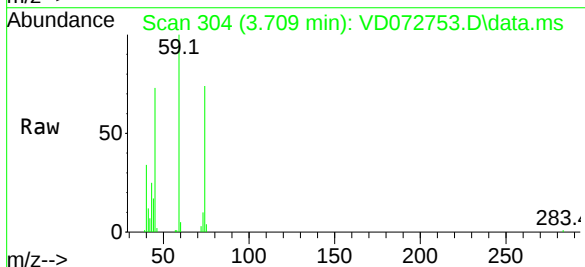
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

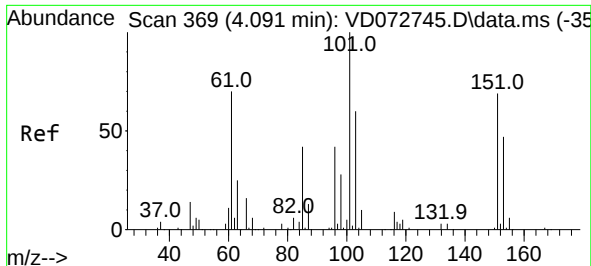
Tgt Ion:101 Resp: 139447  
Ion Ratio Lower Upper  
101 100  
103 63.7 50.1 75.1



#8  
Diethyl Ether  
Concen: 21.139 ug/l  
RT: 3.709 min Scan# 304  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 74 Resp: 39668  
Ion Ratio Lower Upper  
74 100  
45 102.4 52.6 157.8

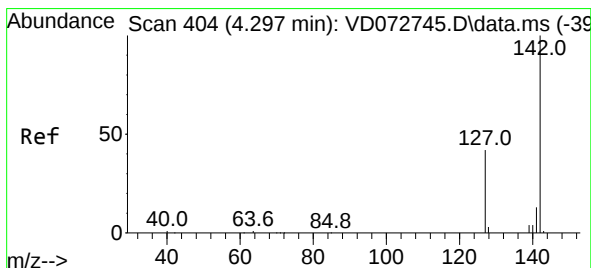
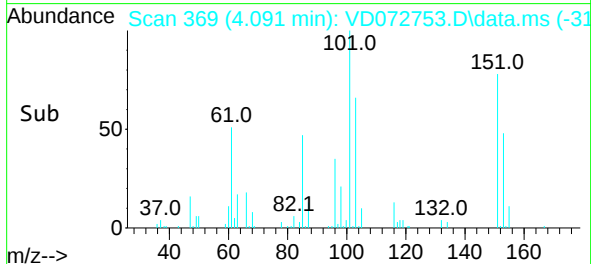
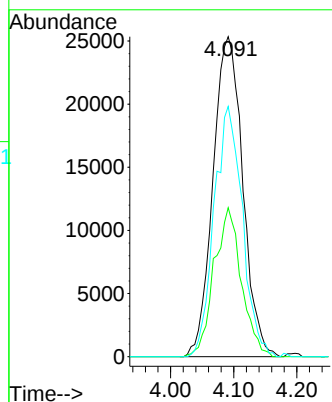
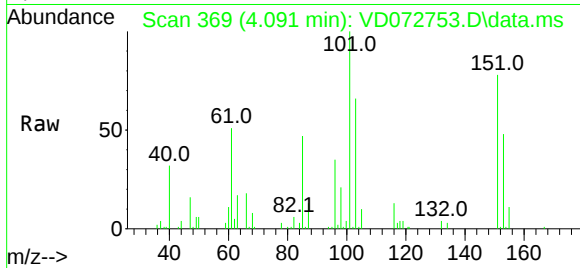




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.363 ug/l  
RT: 4.091 min Scan# 369  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

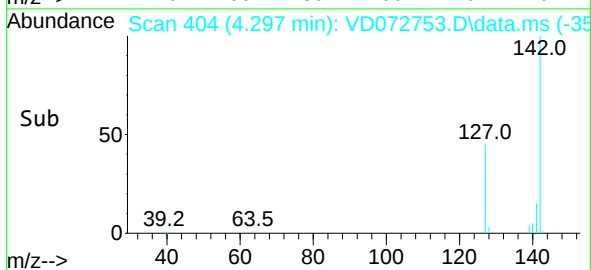
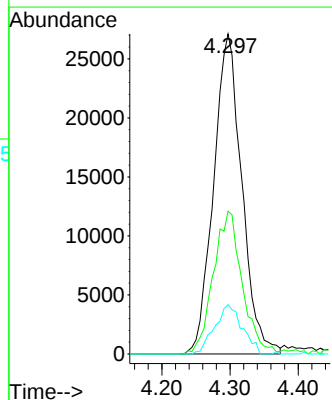
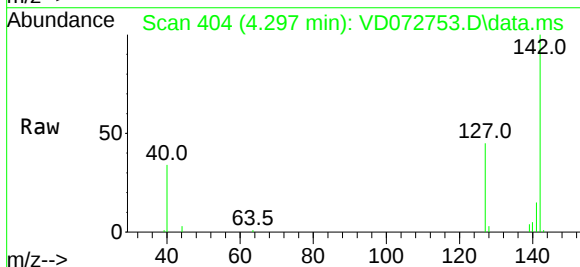
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

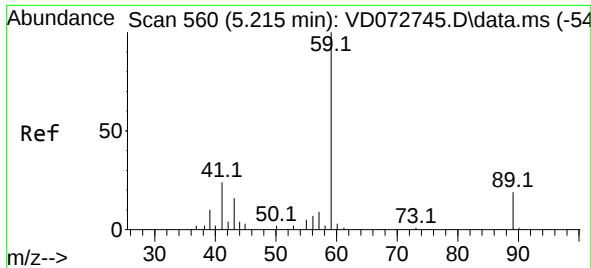
Tgt Ion:101 Resp: 83015  
Ion Ratio Lower Upper  
101 100  
85 42.7 36.4 54.6  
151 74.3 57.3 85.9



#10  
Methyl Iodide  
Concen: 19.999 ug/l  
RT: 4.297 min Scan# 404  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:142 Resp: 77993  
Ion Ratio Lower Upper  
142 100  
127 45.5 37.3 55.9  
141 15.0 11.7 17.5

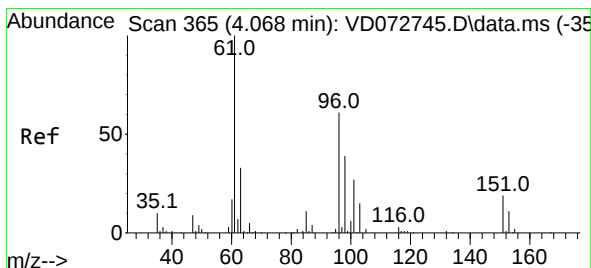
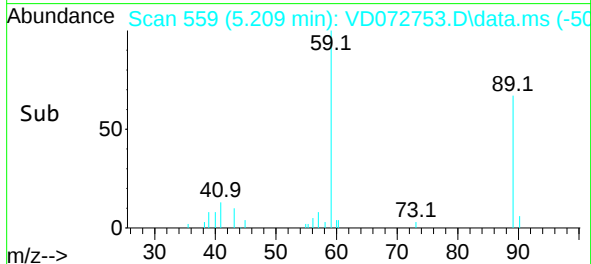
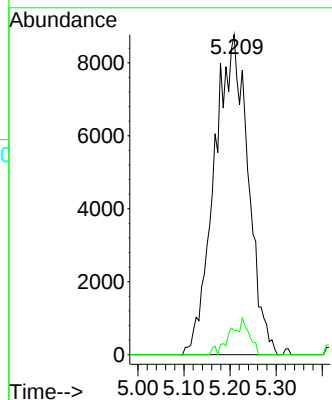
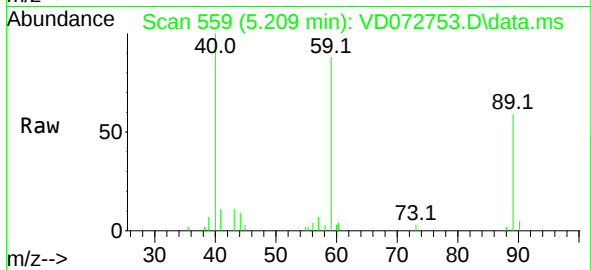




#11  
Tert butyl alcohol  
Concen: 137.362 ug/l  
RT: 5.209 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

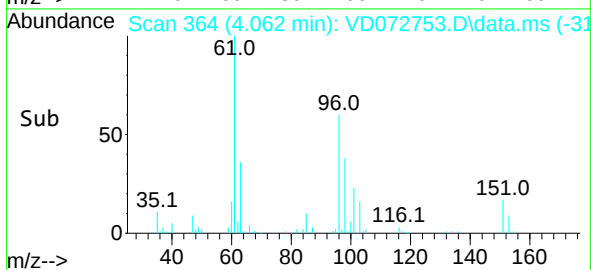
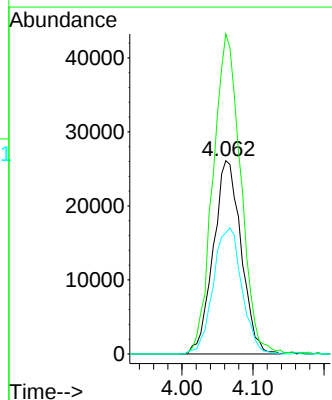
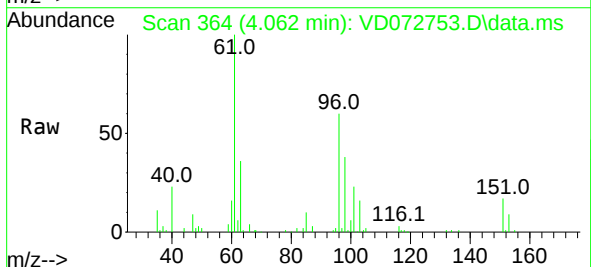
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

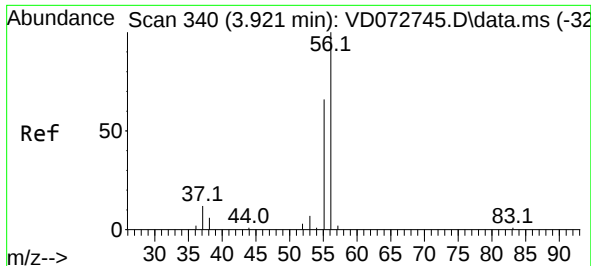
Tgt Ion: 59 Resp: 44719  
Ion Ratio Lower Upper  
59 100  
57 2.7 7.8 11.6#



#12  
1,1-Dichloroethene  
Concen: 20.317 ug/l  
RT: 4.062 min Scan# 364  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 96 Resp: 71013  
Ion Ratio Lower Upper  
96 100  
61 165.6 138.5 207.7  
98 62.7 48.6 73.0

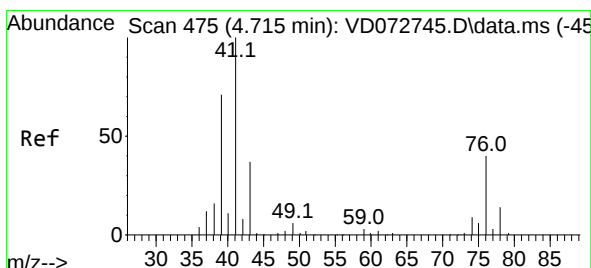
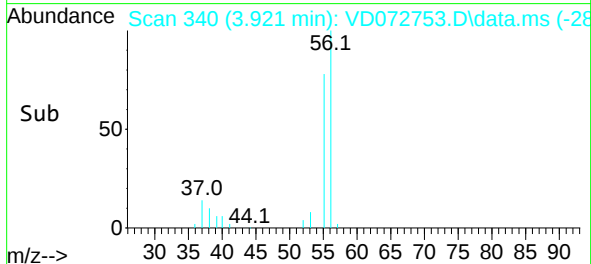
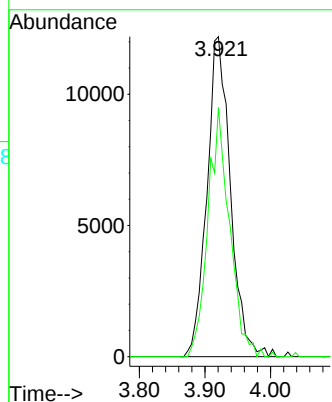
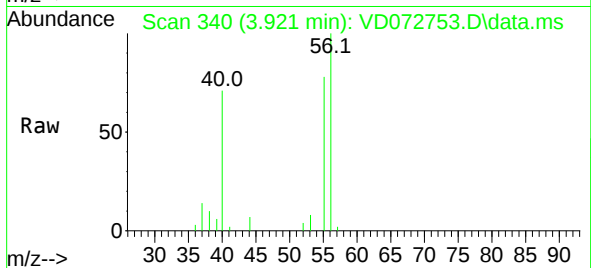




#13  
Acrolein  
Concen: 126.466 ug/l  
RT: 3.921 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

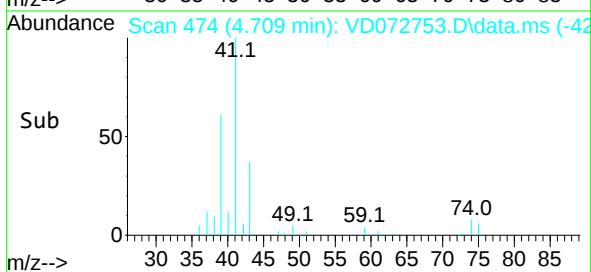
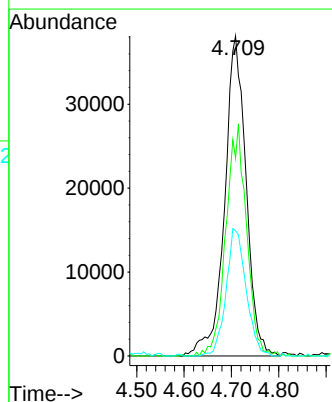
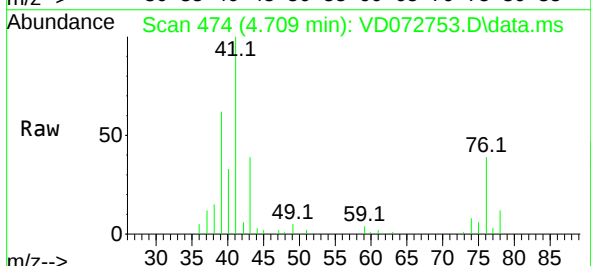
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

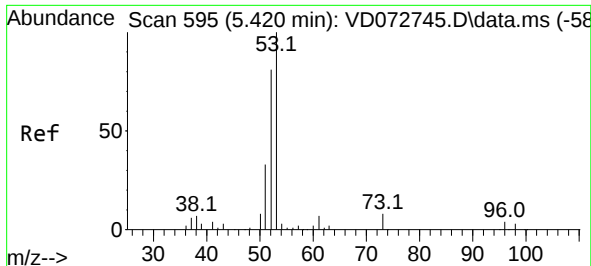
Tgt Ion: 56 Resp: 30463  
Ion Ratio Lower Upper  
56 100  
55 71.3 57.1 85.7



#14  
Allyl chloride  
Concen: 21.256 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 41 Resp: 119947  
Ion Ratio Lower Upper  
41 100  
39 69.5 59.3 88.9  
76 37.1 25.7 38.5

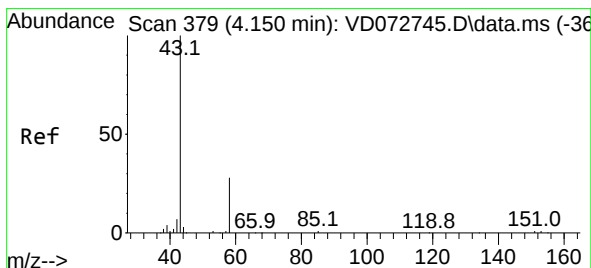
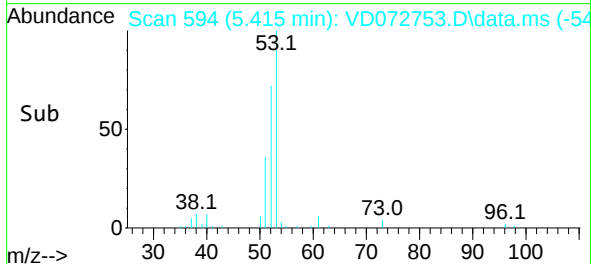
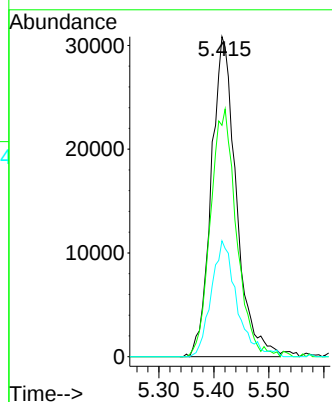
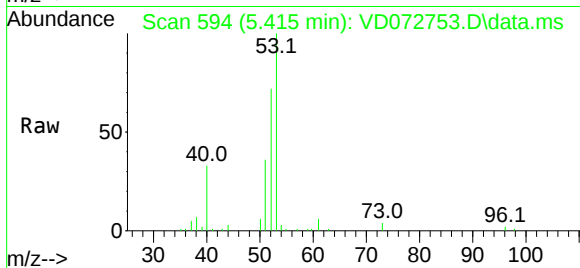




#15  
Acrylonitrile  
Concen: 108.900 ug/l  
RT: 5.415 min Scan# 594  
Delta R.T. -0.005 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

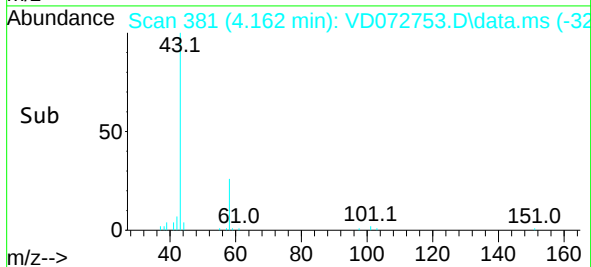
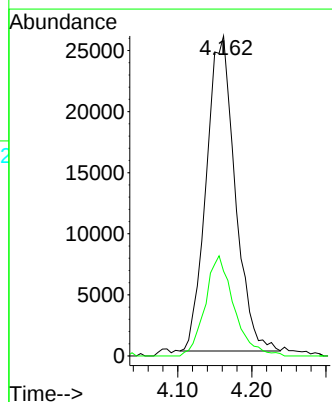
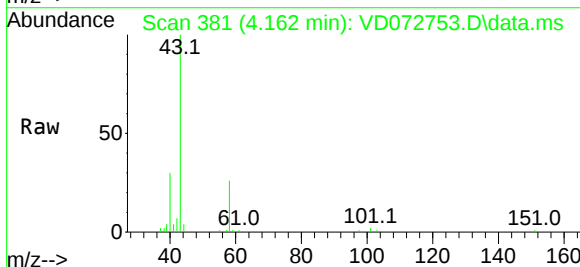
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

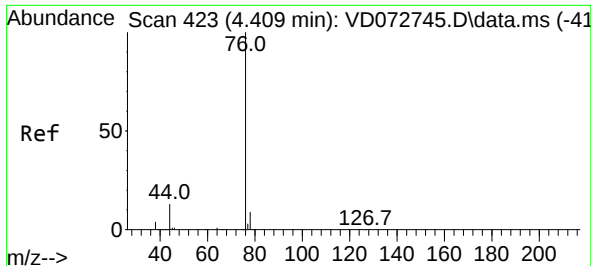
Tgt Ion: 53 Resp: 97119  
Ion Ratio Lower Upper  
53 100  
52 80.4 67.2 100.8  
51 36.7 30.3 45.5



#16  
Acetone  
Concen: 90.160 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.012 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 43 Resp: 69776  
Ion Ratio Lower Upper  
43 100  
58 26.9 22.1 33.1

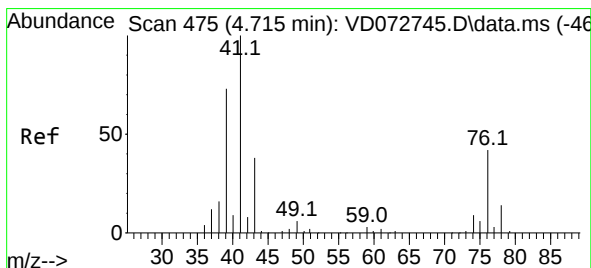
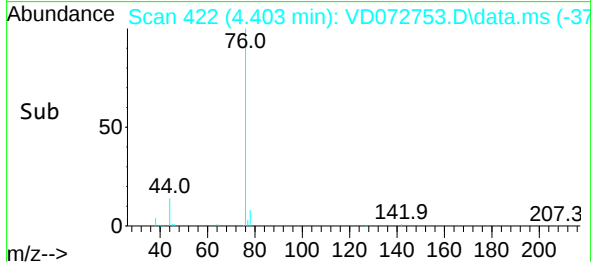
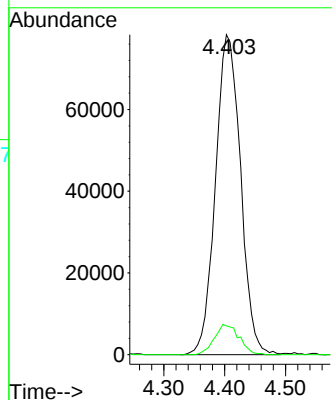
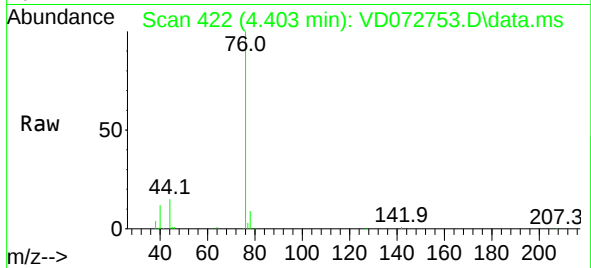




#17  
Carbon Disulfide  
Concen: 20.406 ug/l  
RT: 4.403 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

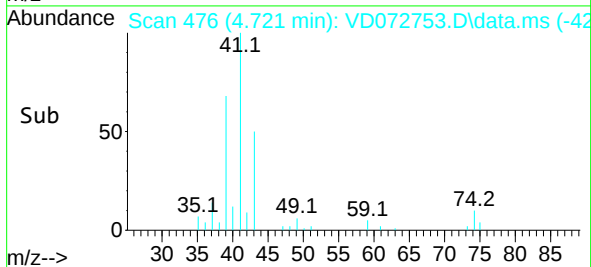
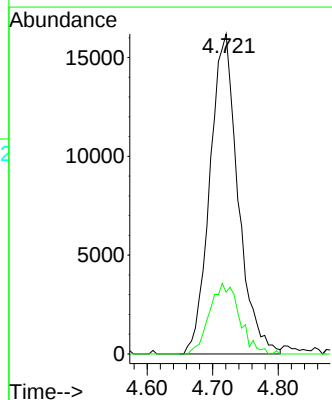
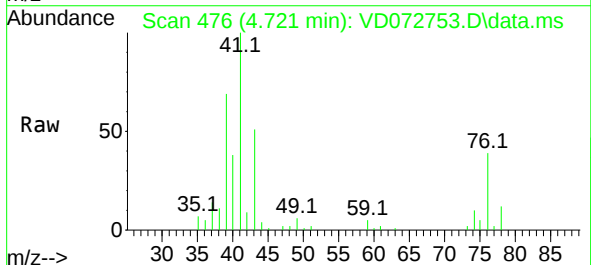
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

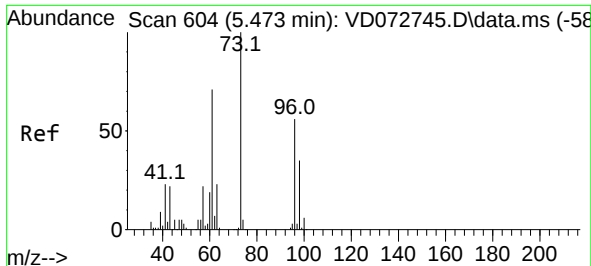
Tgt Ion: 76 Resp: 224269  
Ion Ratio Lower Upper  
76 100  
78 9.0 7.5 11.3



#18  
Methyl Acetate  
Concen: 23.431 ug/l  
RT: 4.721 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 43 Resp: 48244  
Ion Ratio Lower Upper  
43 100  
74 23.3 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 22.242 ug/l

RT: 5.473 min Scan# 604

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

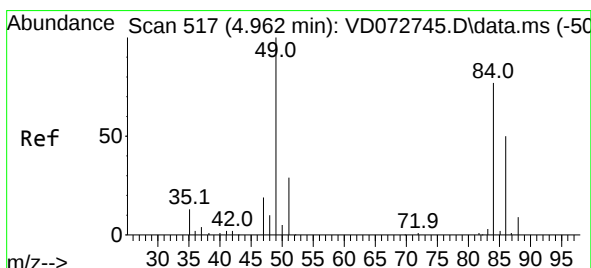
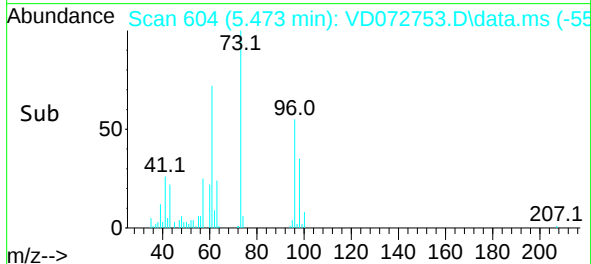
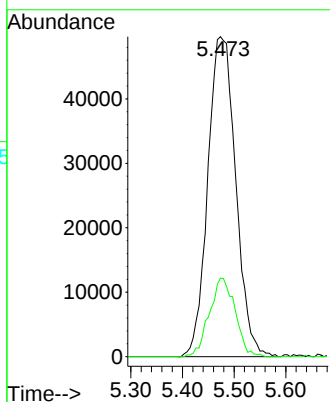
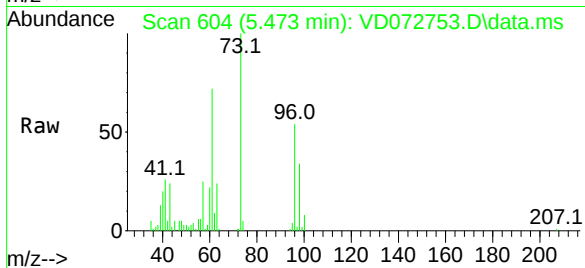
VD0502SBS01

Tgt Ion: 73 Resp: 186373

Ion Ratio Lower Upper

73 100

57 24.6 18.0 27.0



#20

Methylene Chloride

Concen: 25.959 ug/l

RT: 4.956 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Tgt Ion: 84 Resp: 130451

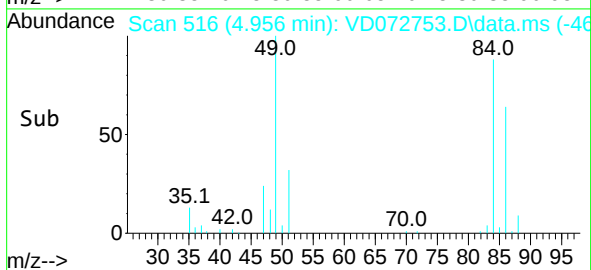
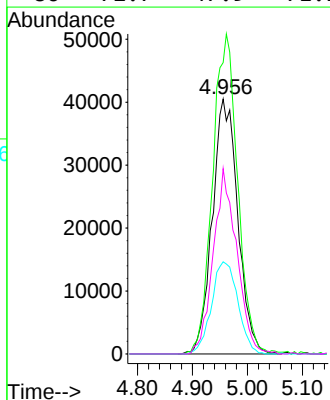
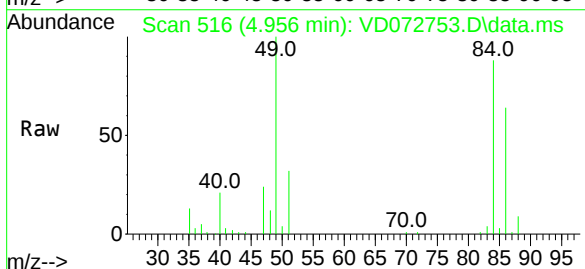
Ion Ratio Lower Upper

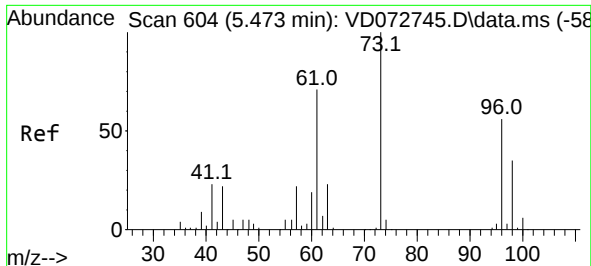
84 100

49 114.3 112.8 169.2

51 36.2 32.6 48.8

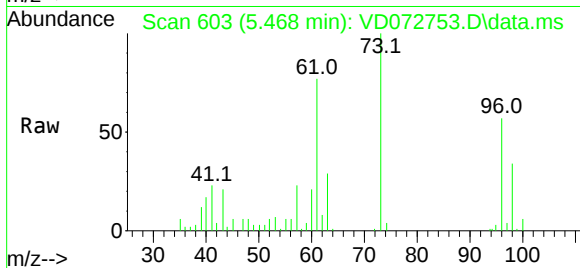
86 72.7 47.9 71.9#





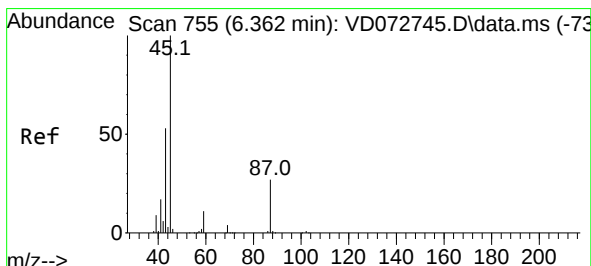
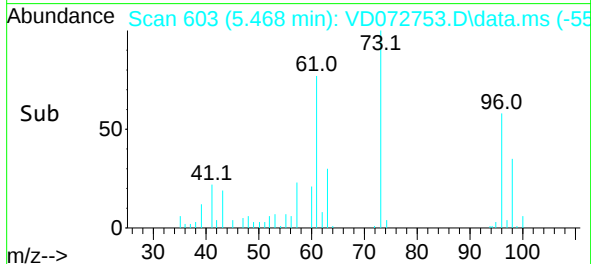
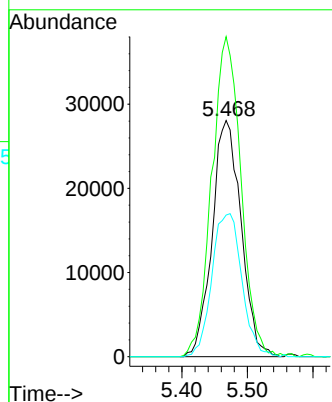
#21  
trans-1,2-Dichloroethene  
Concen: 21.420 ug/l  
RT: 5.468 min Scan# 604  
Delta R.T. -0.005 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBS01



Tgt Ion: 96 Resp: 85865

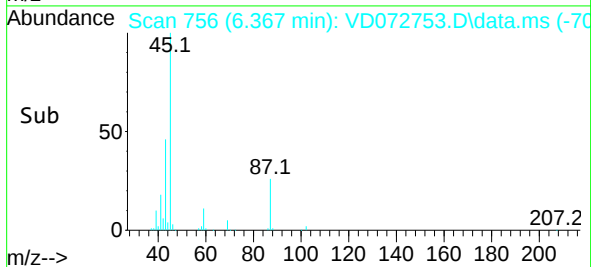
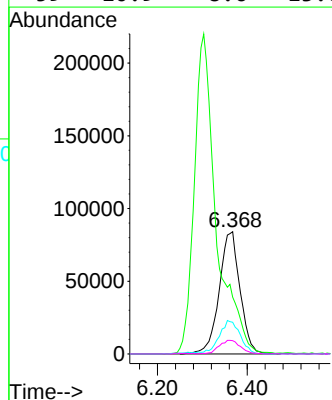
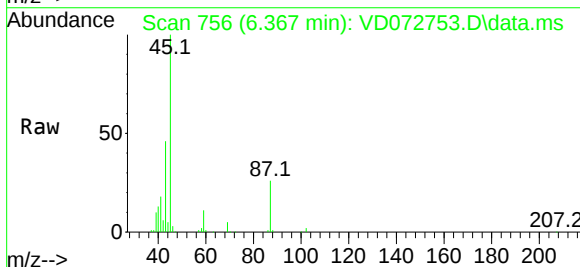
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 135.5 | 117.9 | 176.9 |
| 98  | 59.9  | 49.4  | 74.2  |

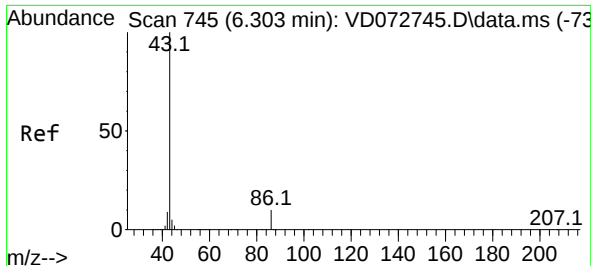


#22  
Diisopropyl ether  
Concen: 21.903 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.005 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 45 Resp: 271894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 45.6  | 46.6  | 70.0# |
| 87  | 26.0  | 18.4  | 27.6  |
| 59  | 10.9  | 8.6   | 13.0  |

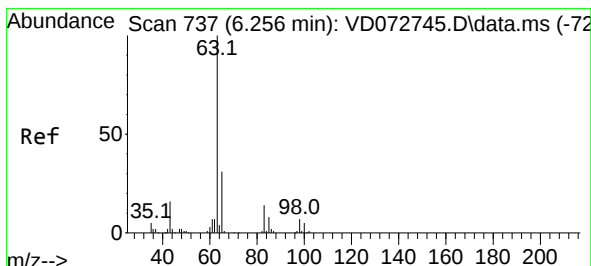
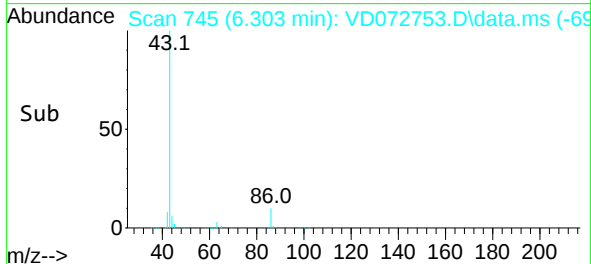
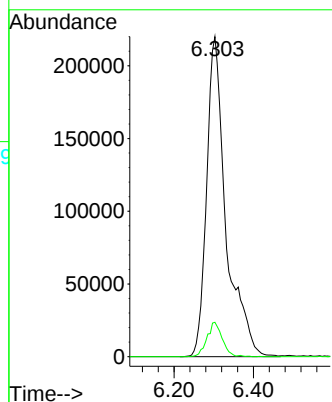
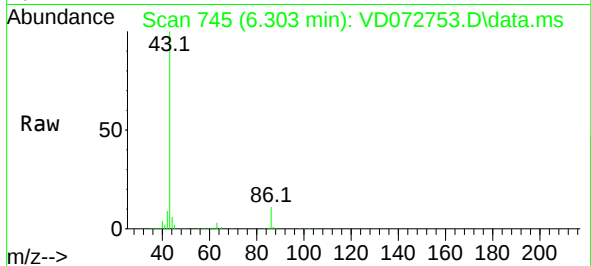




#23  
 Vinyl Acetate  
 Concen: 108.993 ug/l  
 RT: 6.303 min Scan# 745  
 Delta R.T. -0.000 min  
 Lab File: VD072753.D  
 Acq: 02 May 2022 18:34

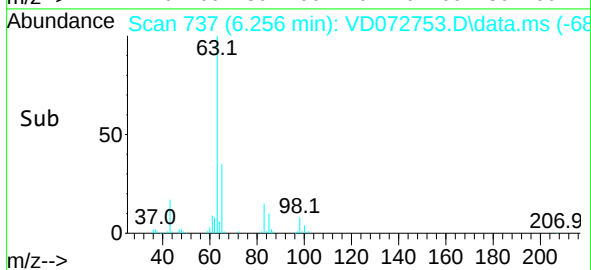
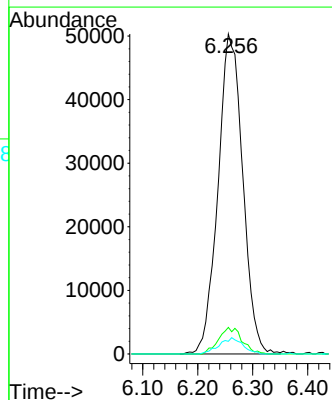
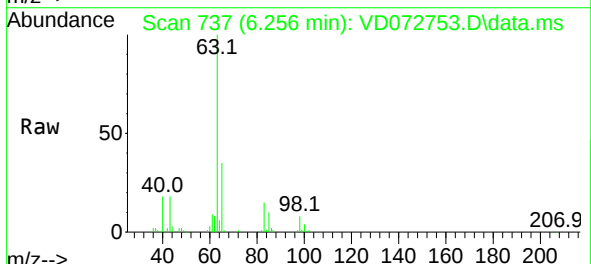
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0502SBSD01

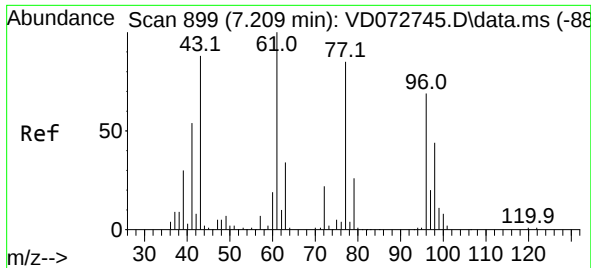
Tgt Ion: 43 Resp: 747422  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 21.106 ug/l  
 RT: 6.256 min Scan# 737  
 Delta R.T. -0.000 min  
 Lab File: VD072753.D  
 Acq: 02 May 2022 18:34

Tgt Ion: 63 Resp: 157412  
 Ion Ratio Lower Upper  
 63 100  
 98 8.3 3.6 10.9  
 100 3.9 2.1 6.5

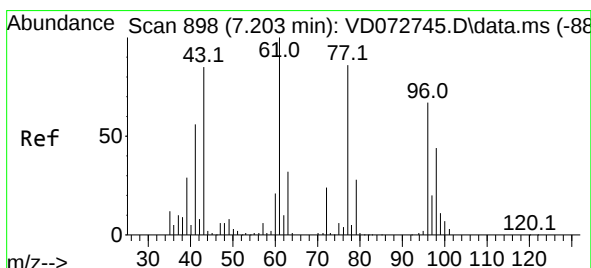
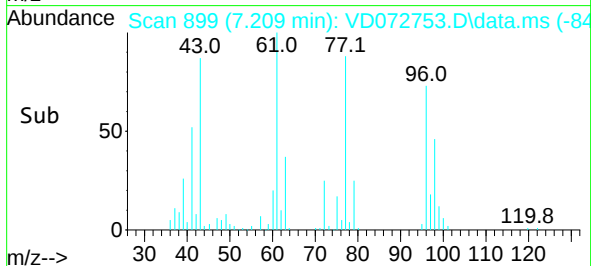
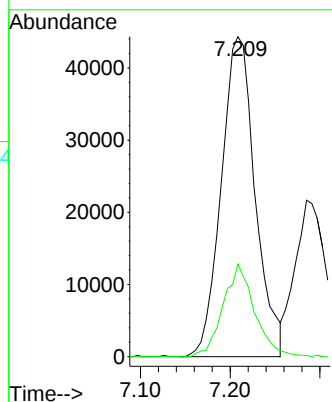
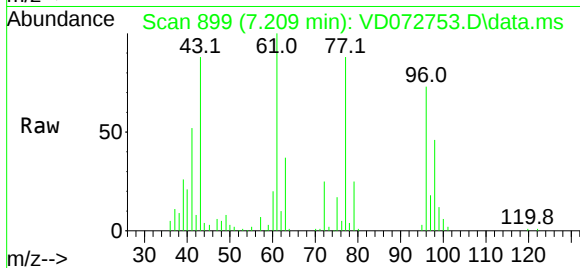




#25  
2-Butanone  
Concen: 106.215 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

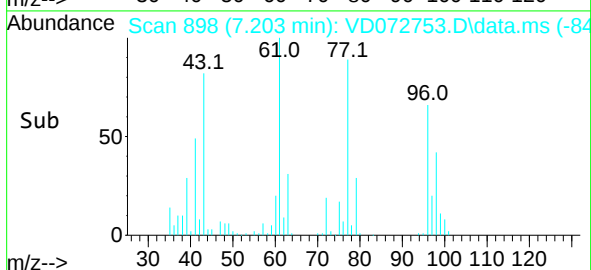
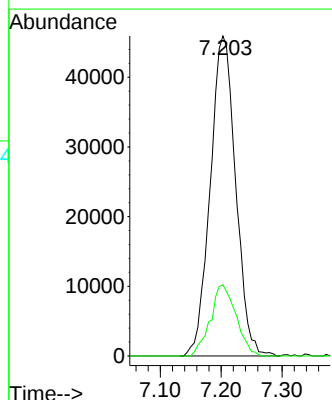
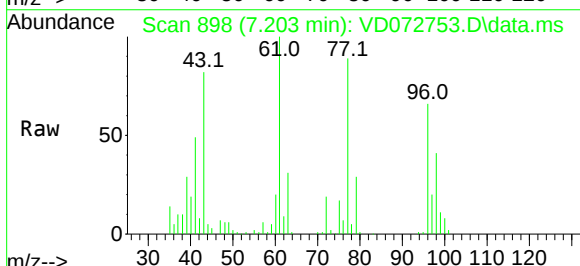
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBS01

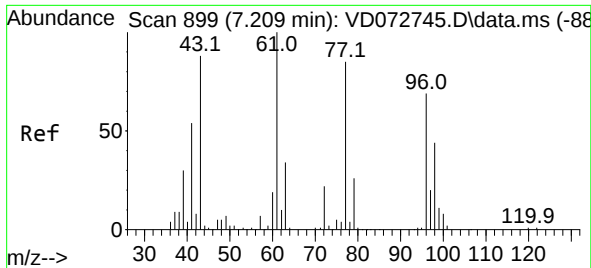
Tgt Ion: 43 Resp: 116448  
Ion Ratio Lower Upper  
43 100  
72 29.0 18.6 27.8#



#26  
2,2-Dichloropropane  
Concen: 21.118 ug/l  
RT: 7.203 min Scan# 898  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 77 Resp: 133153  
Ion Ratio Lower Upper  
77 100  
97 22.5 10.8 32.4

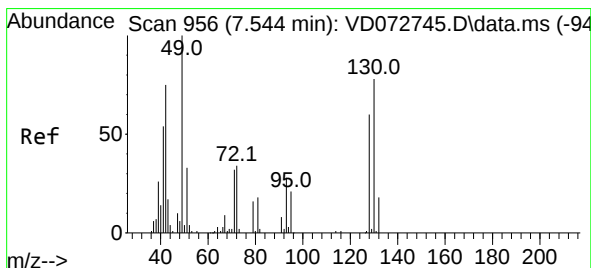
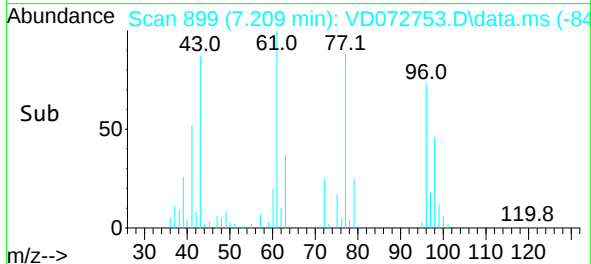
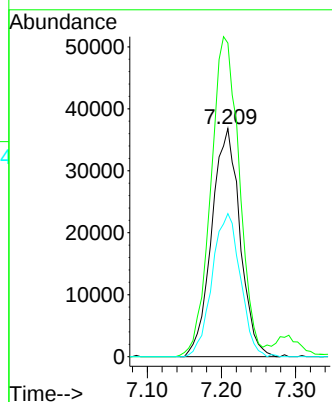
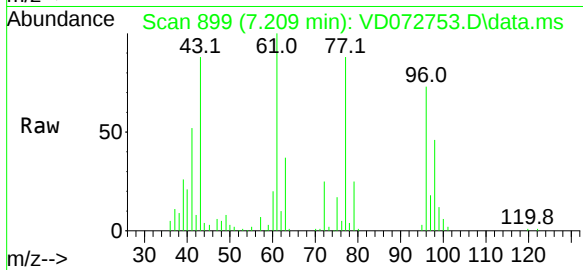




#27  
 cis-1,2-Dichloroethene  
 Concen: 21.260 ug/l  
 RT: 7.209 min Scan# 899  
 Delta R.T. -0.000 min  
 Lab File: VD072753.D  
 Acq: 02 May 2022 18:34

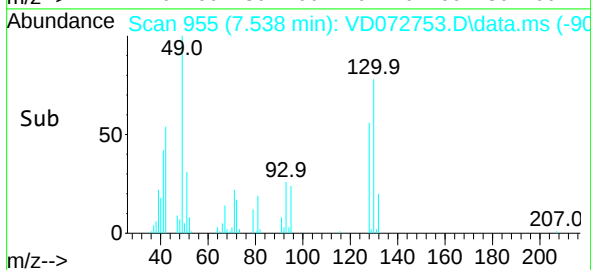
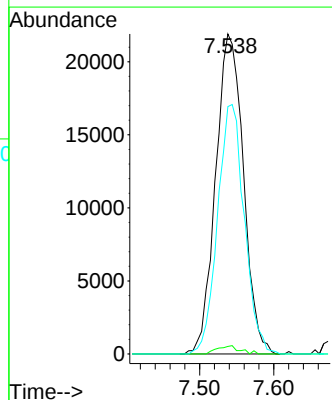
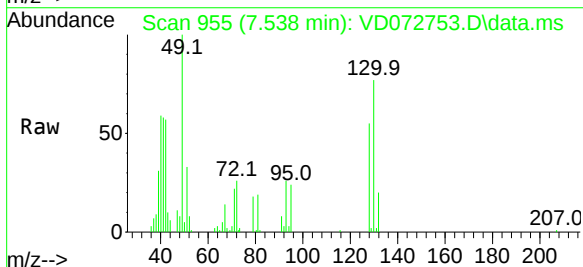
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0502SBS01

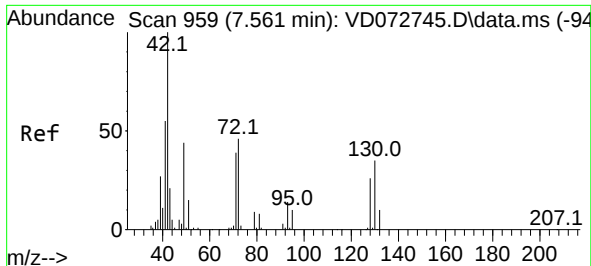
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 96 | Resp: 97610 |       |       |
| Ion Ratio   | Lower       | Upper |       |
| 96          | 100         |       |       |
| 61          | 141.5       | 0.0   | 313.8 |
| 98          | 62.6        | 0.0   | 128.8 |



#28  
 Bromochloromethane  
 Concen: 20.499 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VD072753.D  
 Acq: 02 May 2022 18:34

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 57013 |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 2.1     | 0.0 4.0     |
| 130 75.2    | 52.6 79.0   |





#29

Tetrahydrofuran

Concen: 108.940 ug/l

RT: 7.562 min Scan# 91

Delta R.T. 0.001 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

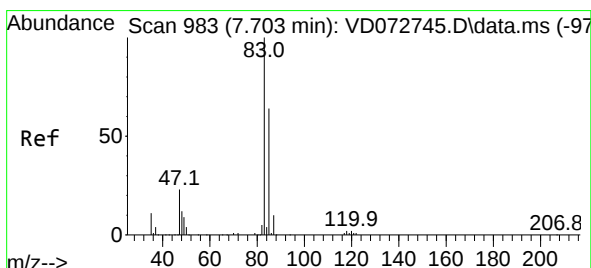
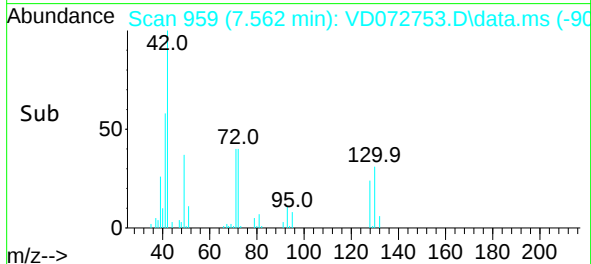
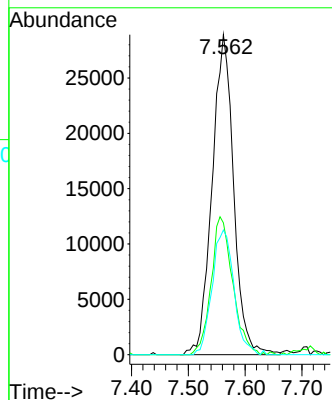
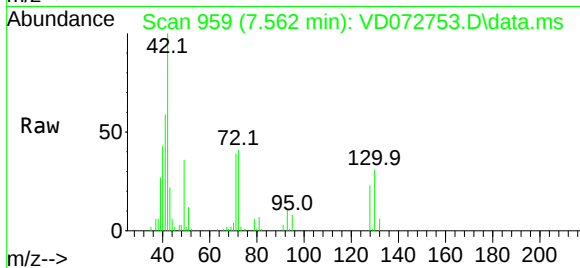
Tgt Ion: 42 Resp: 76129

Ion Ratio Lower Upper

42 100

72 43.2 30.7 46.1

71 39.4 28.6 43.0



#30

Chloroform

Concen: 21.266 ug/l

RT: 7.703 min Scan# 983

Delta R.T. -0.000 min

Lab File: VD072753.D

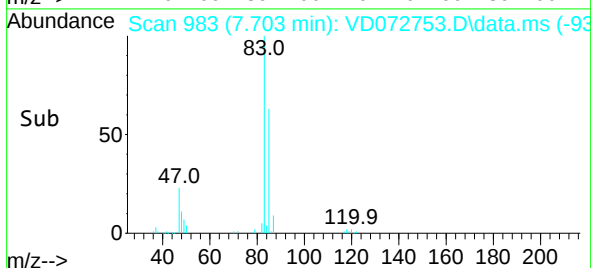
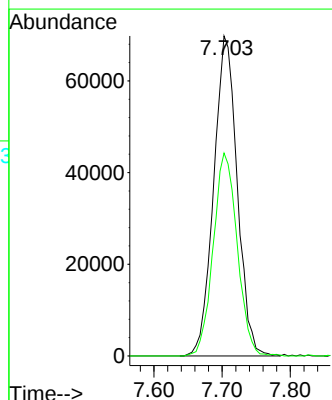
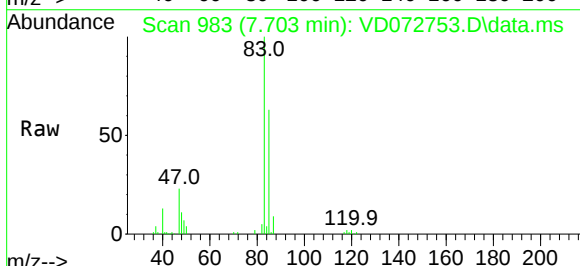
Acq: 02 May 2022 18:34

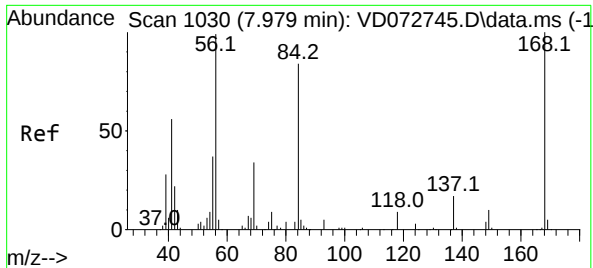
Tgt Ion: 83 Resp: 167818

Ion Ratio Lower Upper

83 100

85 63.4 52.7 79.1

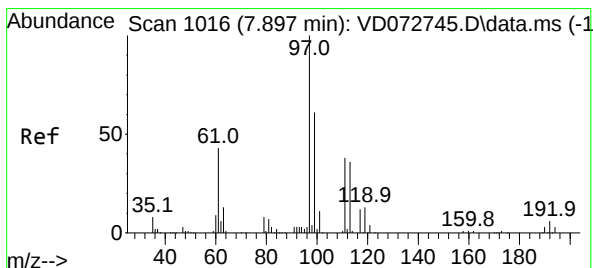
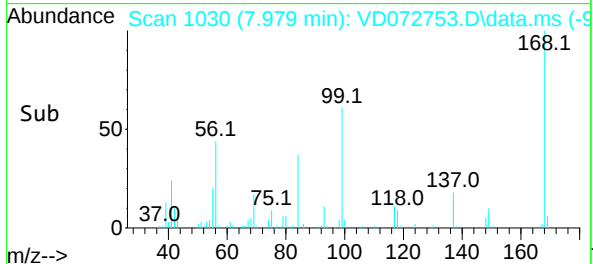
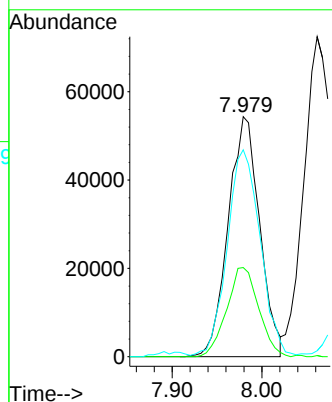
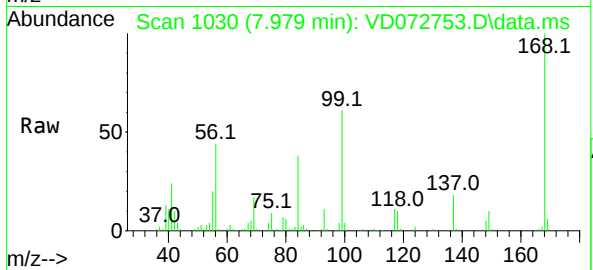




#31  
Cyclohexane  
Concen: 20.130 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

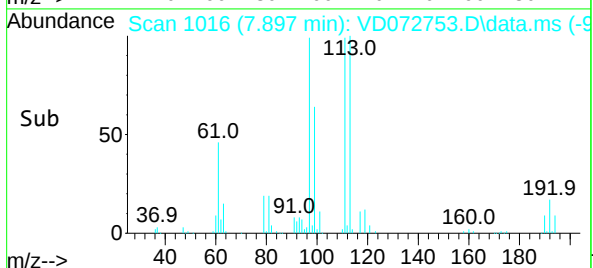
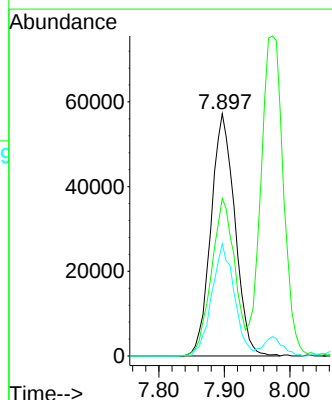
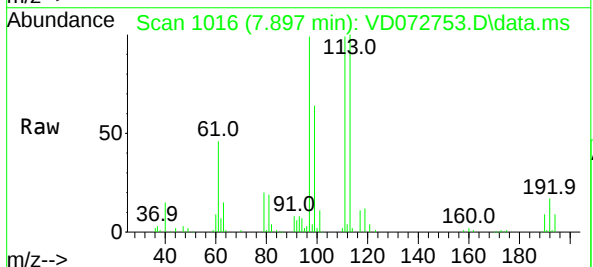
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

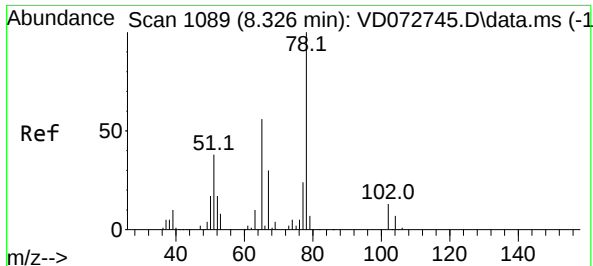
Tgt Ion: 56 Resp: 132406  
Ion Ratio Lower Upper  
56 100  
69 37.2 25.4 38.2  
84 84.4 63.0 94.4



#32  
1,1,1-Trichloroethane  
Concen: 21.511 ug/l  
RT: 7.897 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 97 Resp: 144678  
Ion Ratio Lower Upper  
97 100  
99 63.1 52.4 78.6  
61 43.5 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 52.624 ug/l

RT: 8.320 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

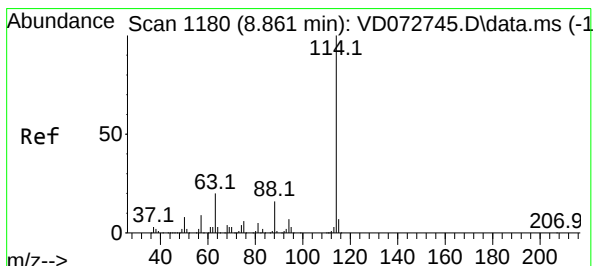
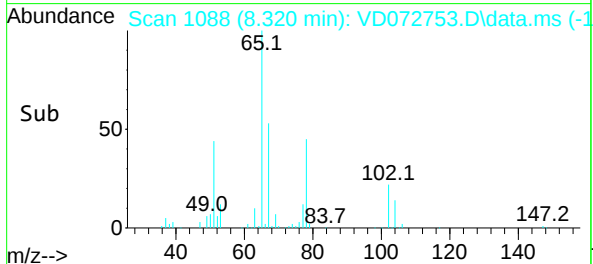
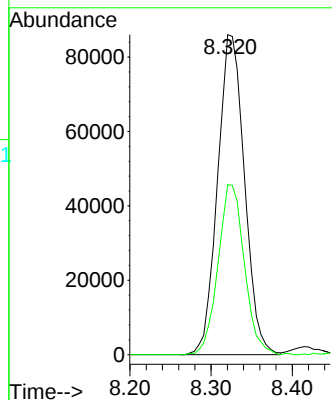
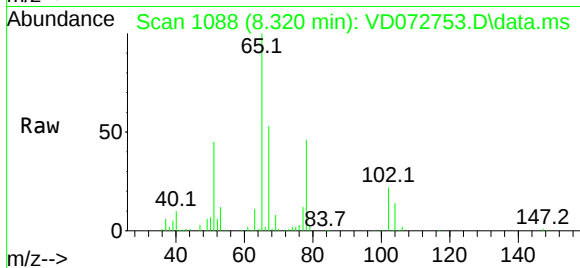
VD0502SBSD01

Tgt Ion: 65 Resp: 198010

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.005 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

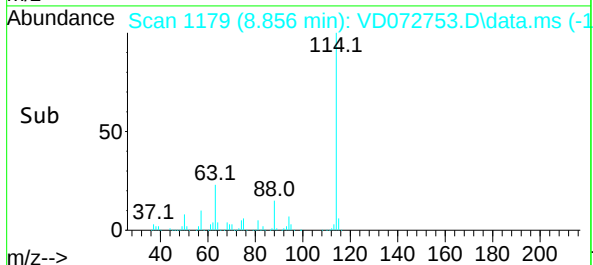
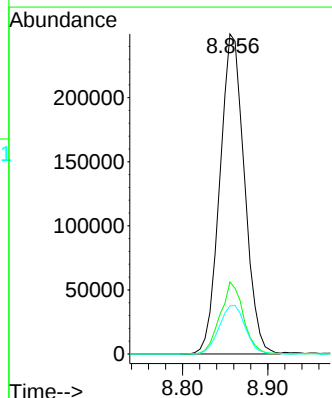
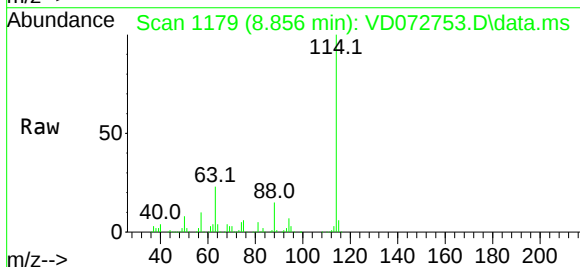
Tgt Ion: 114 Resp: 501362

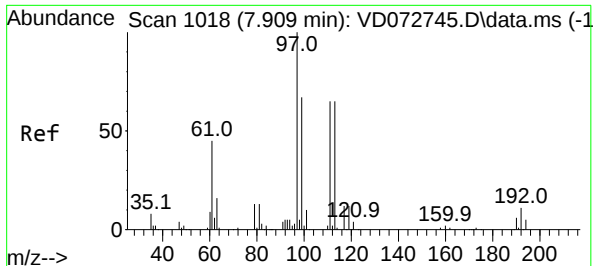
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.6

88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.677 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBS01

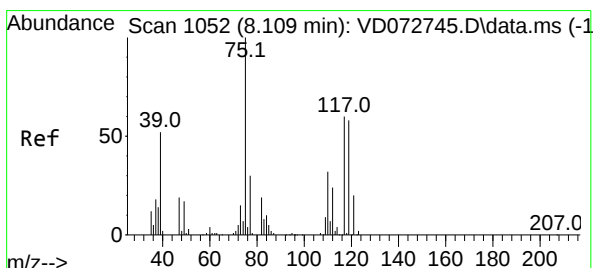
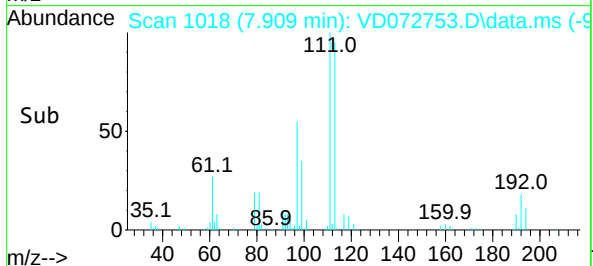
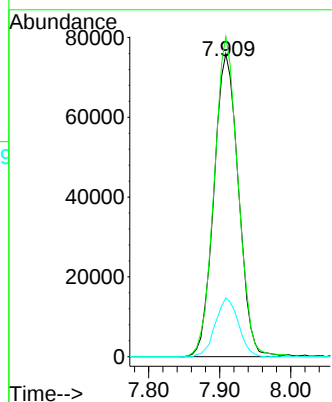
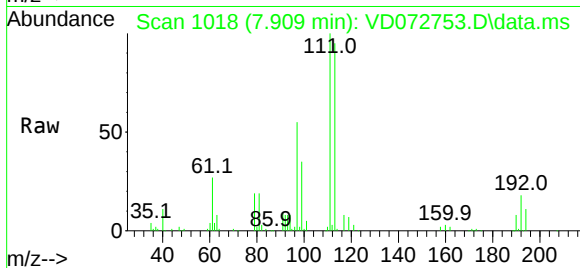
Tgt Ion:113 Resp: 181961

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.3 14.6 21.8



#36

1,1-Dichloropropene

Concen: 20.285 ug/l

RT: 8.109 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

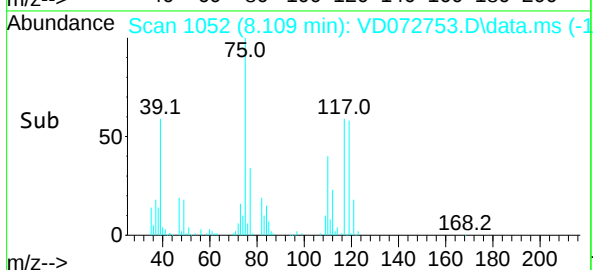
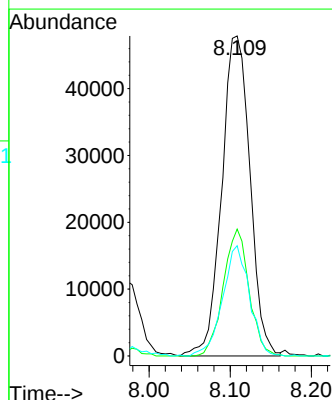
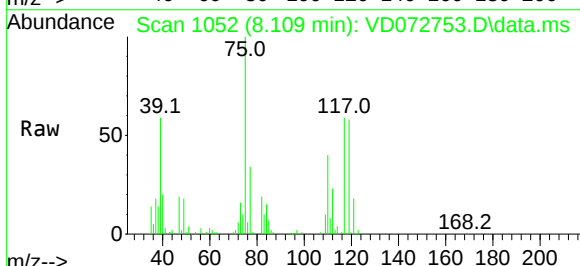
Tgt Ion: 75 Resp: 116141

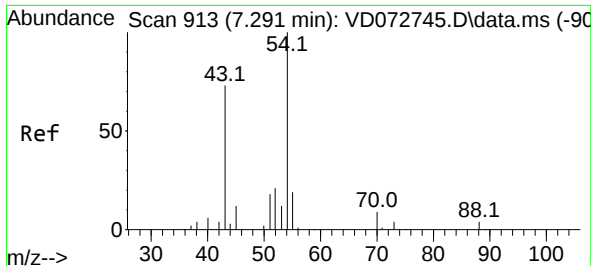
Ion Ratio Lower Upper

75 100

110 36.0 16.4 49.1

77 32.9 24.2 36.2

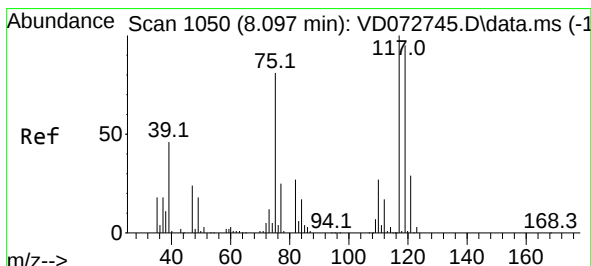
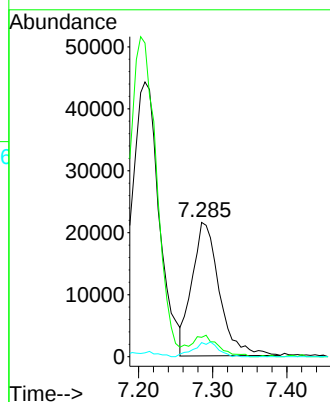
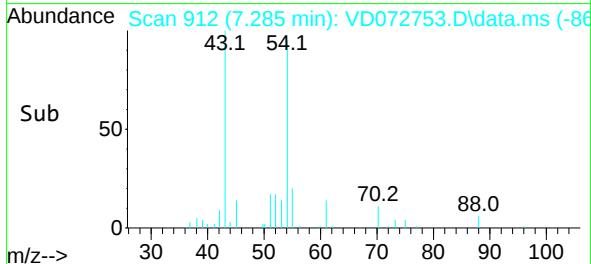
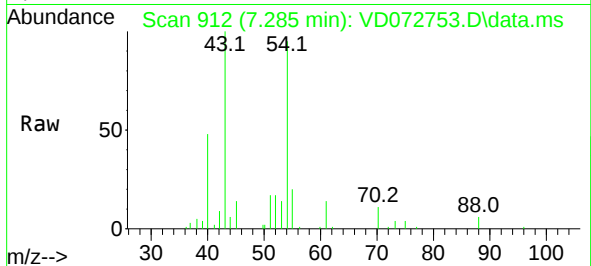




#37  
Ethyl Acetate  
Concen: 20.976 ug/l  
RT: 7.285 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

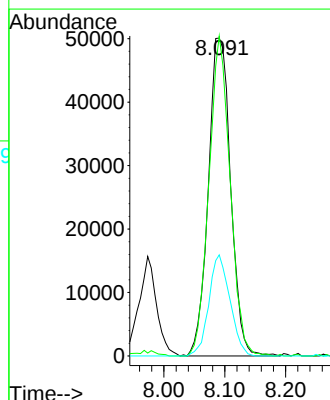
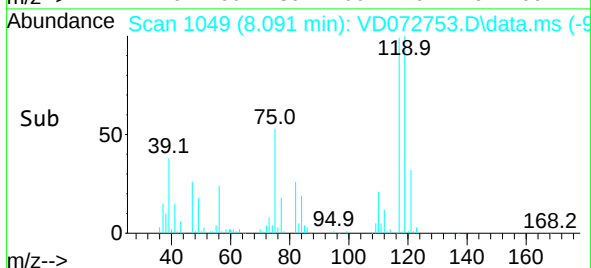
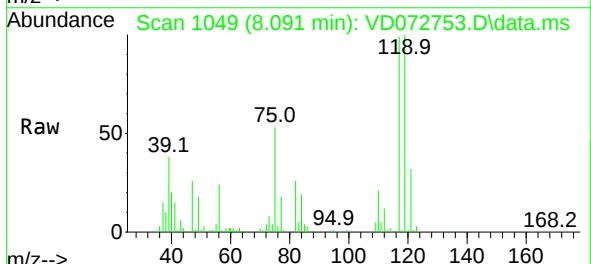
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

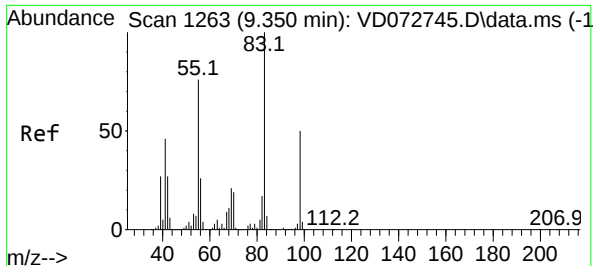
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 55210 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 61 14.0     | 9.8 14.8    |
| 70 9.8      | 6.9 10.3    |



#38  
Carbon Tetrachloride  
Concen: 21.533 ug/l  
RT: 8.091 min Scan# 1049  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:117 | Resp: | 127976 |       |
| Ion         | Ratio | Lower  | Upper |
| 117         | 100   |        |       |
| 119         | 100.7 | 75.8   | 113.6 |
| 121         | 31.8  | 24.5   | 36.7  |





#39

Methylcyclohexane

Concen: 20.167 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

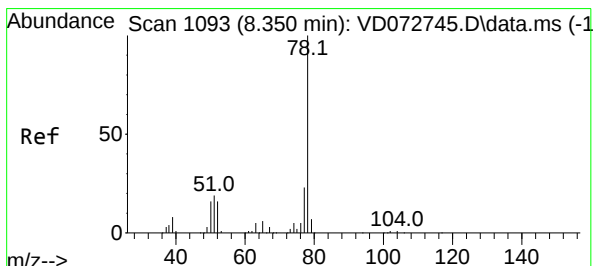
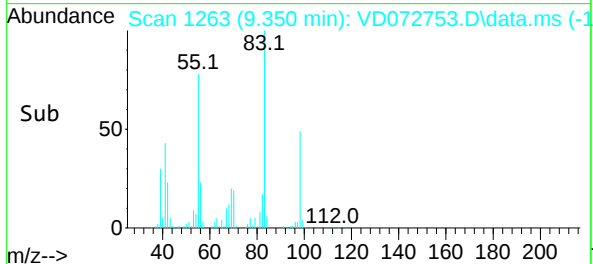
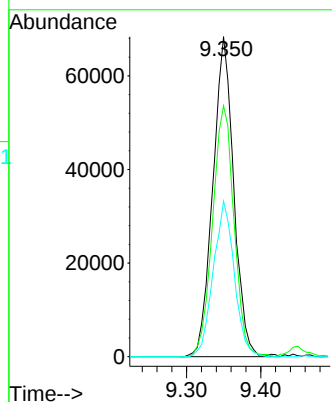
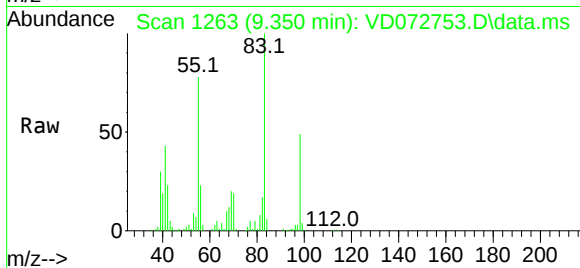
Tgt Ion: 83 Resp: 133930

Ion Ratio Lower Upper

83 100

55 78.4 63.2 94.8

98 48.6 38.2 57.4



#40

Benzene

Concen: 21.245 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.006 min

Lab File: VD072753.D

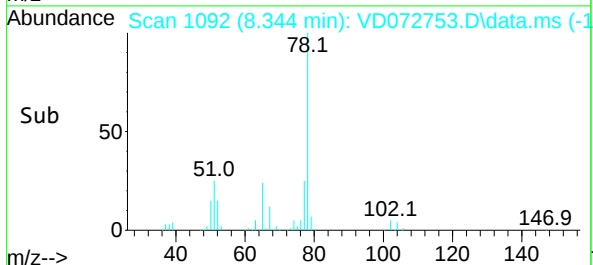
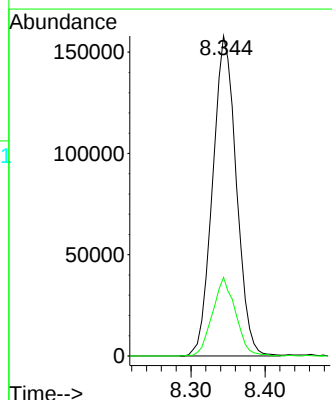
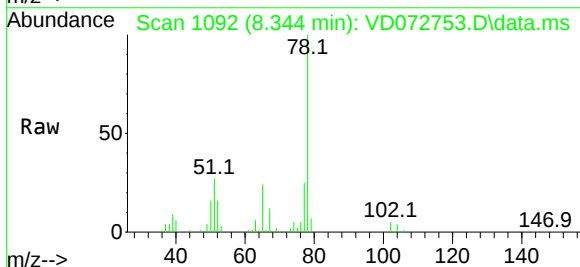
Acq: 02 May 2022 18:34

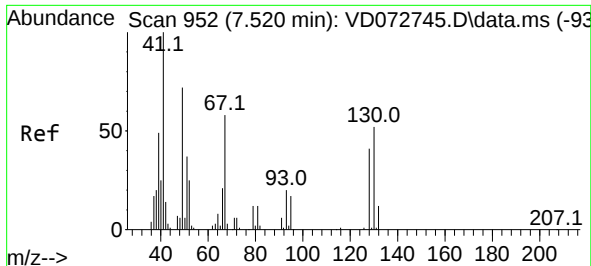
Tgt Ion: 78 Resp: 351266

Ion Ratio Lower Upper

78 100

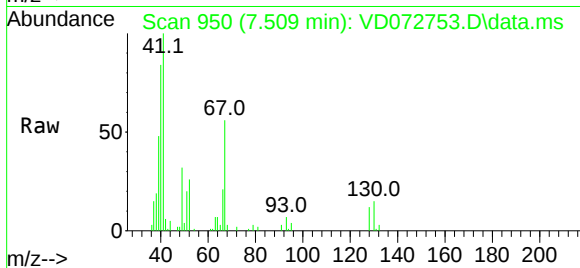
77 24.6 19.1 28.7



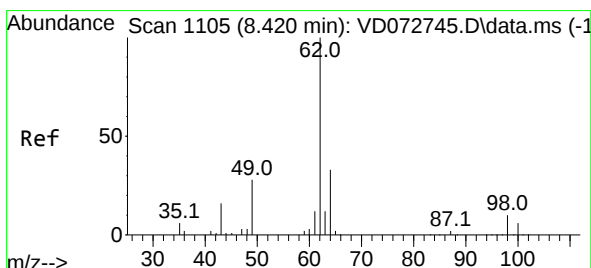
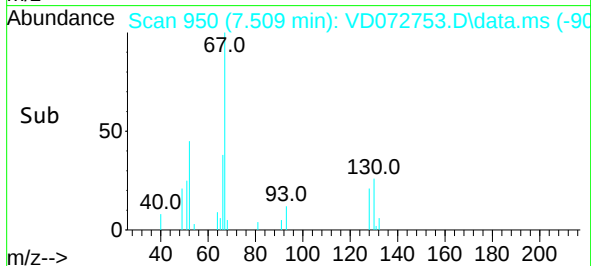
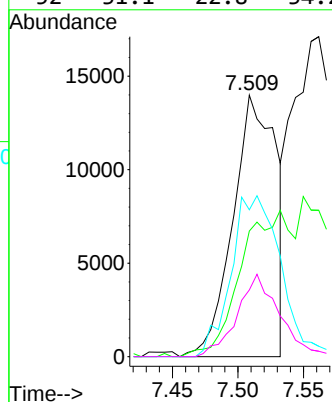


#41  
Methacrylonitrile  
Concen: 20.395 ug/l  
RT: 7.509 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

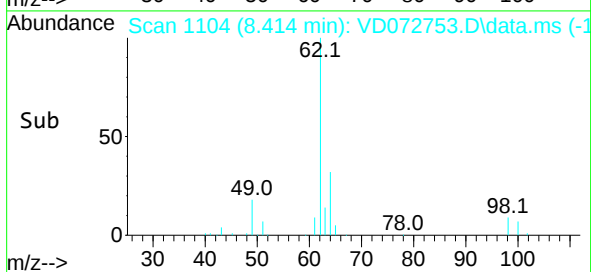
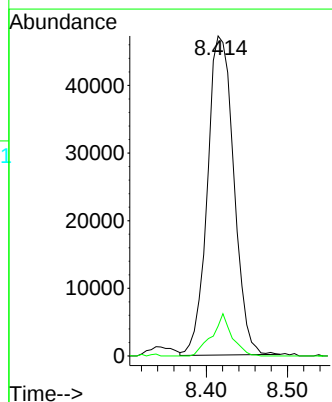
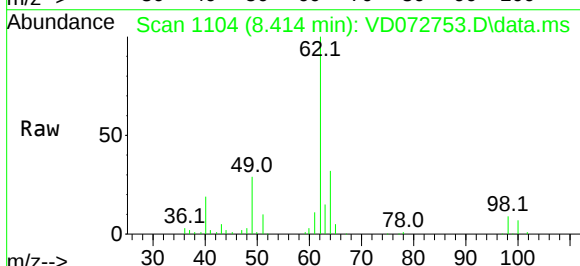


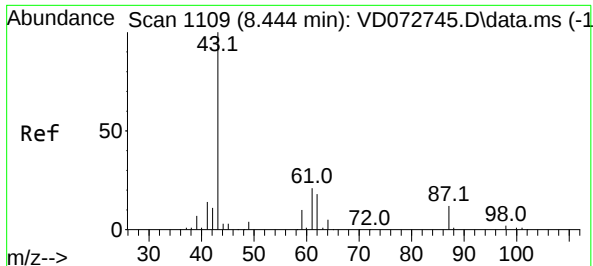
Tgt Ion: 41 Resp: 31963  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.6 67.0#  
67 70.9 48.2 72.4  
52 31.1 22.8 34.2



#42  
1,2-Dichloroethane  
Concen: 21.419 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 62 Resp: 106719  
Ion Ratio Lower Upper  
62 100  
98 10.0 0.0 17.6

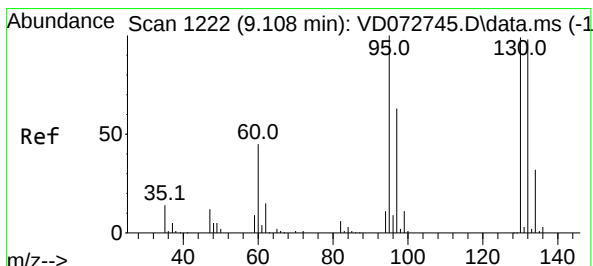
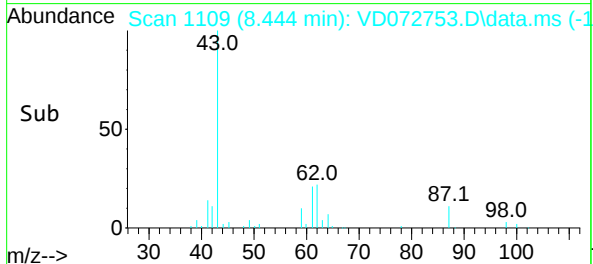
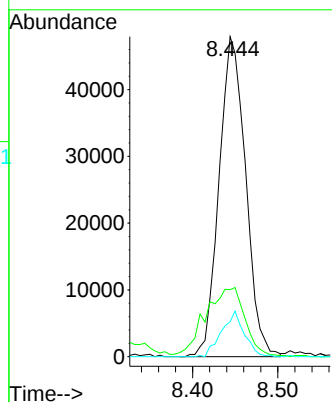
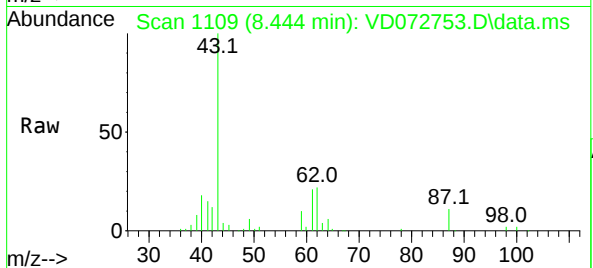




#43  
Isopropyl Acetate  
Concen: 21.385 ug/l  
RT: 8.444 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

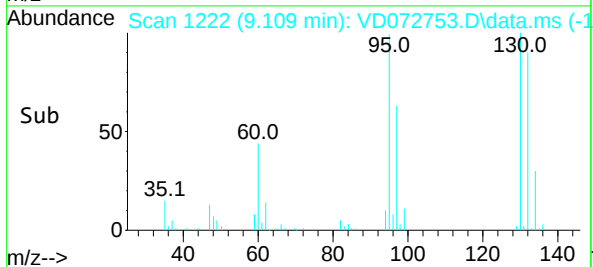
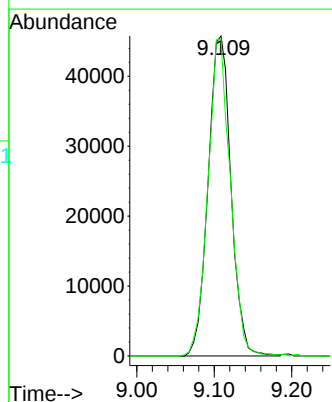
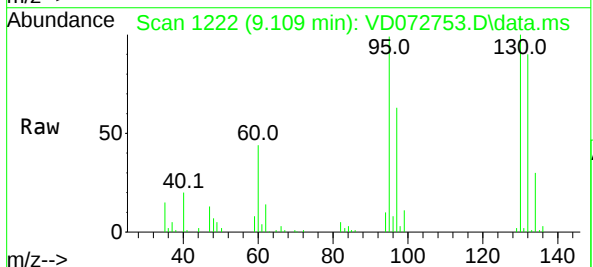
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

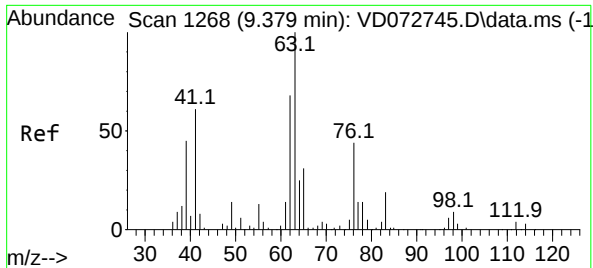
Tgt Ion: 43 Resp: 103888  
Ion Ratio Lower Upper  
43 100  
61 32.4 22.4 33.6  
87 12.1 8.7 13.1



#44  
Trichloroethene  
Concen: 21.210 ug/l  
RT: 9.109 min Scan# 1222  
Delta R.T. 0.001 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:130 Resp: 93822  
Ion Ratio Lower Upper  
130 100  
95 99.1 0.0 205.4





#45

1,2-Dichloropropane

Concen: 21.514 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. 0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

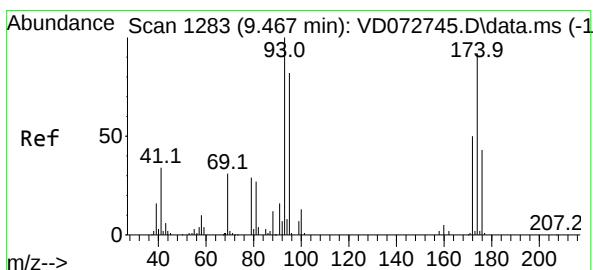
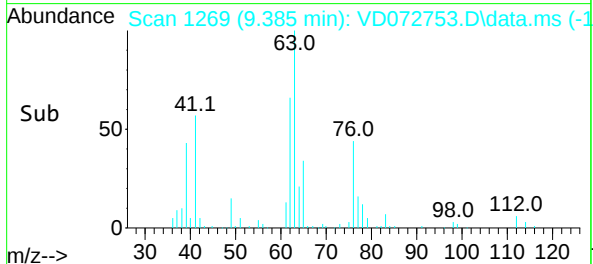
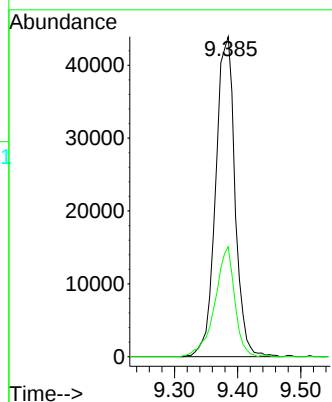
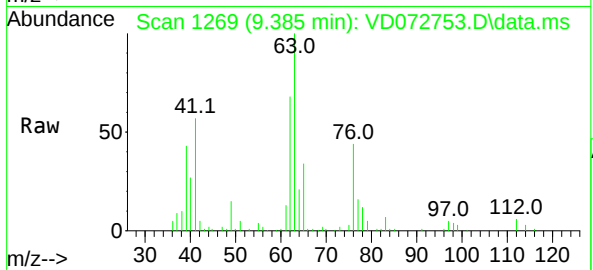
VD0502SBSD01

Tgt Ion: 63 Resp: 93416

Ion Ratio Lower Upper

63 100

65 34.4 26.2 39.4



#46

Dibromomethane

Concen: 21.042 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

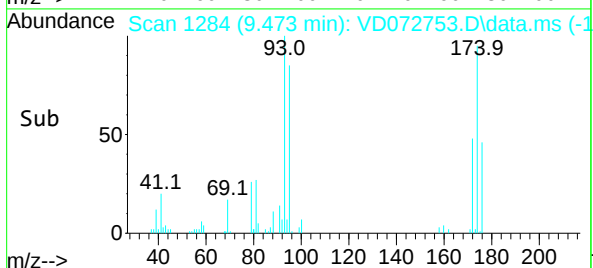
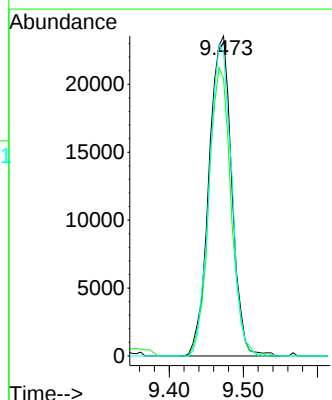
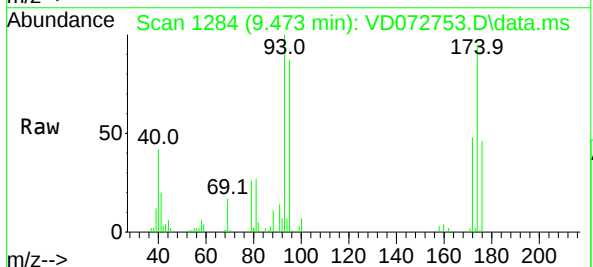
Tgt Ion: 93 Resp: 50401

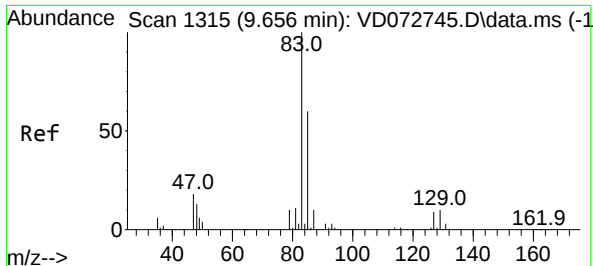
Ion Ratio Lower Upper

93 100

95 87.1 66.7 100.1

174 94.7 71.6 107.4

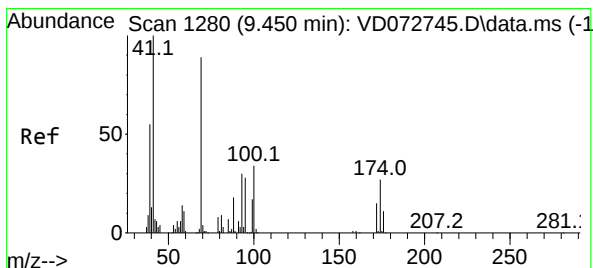
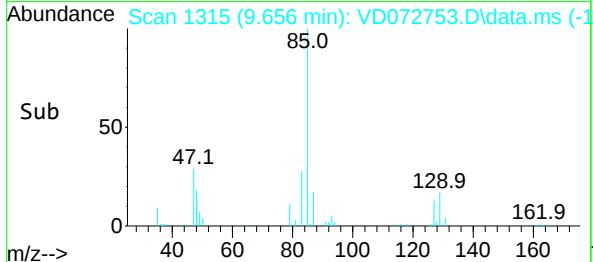
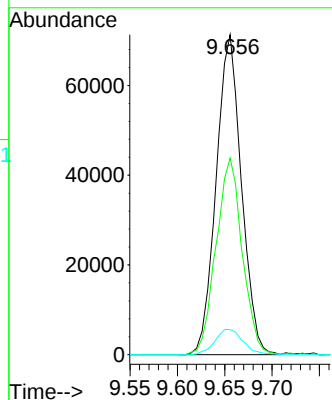
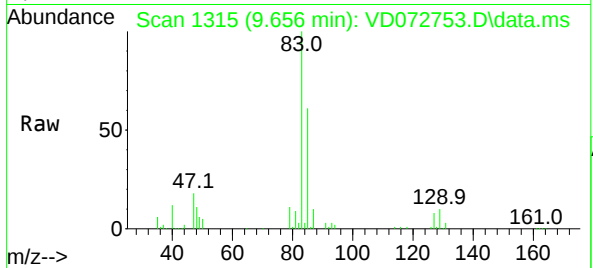




#47  
Bromodichloromethane  
Concen: 21.451 ug/l  
RT: 9.656 min Scan# 1315  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

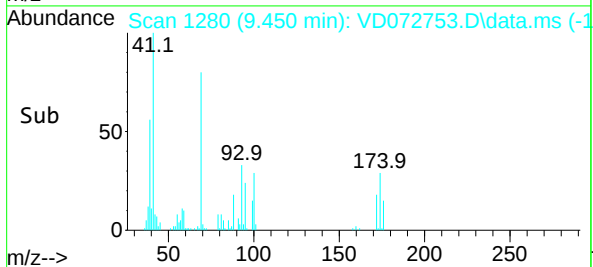
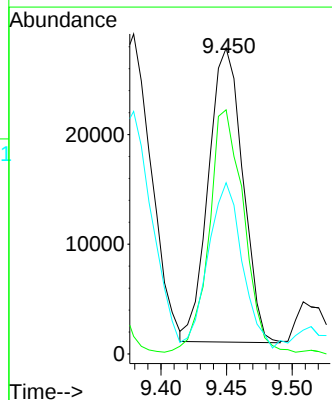
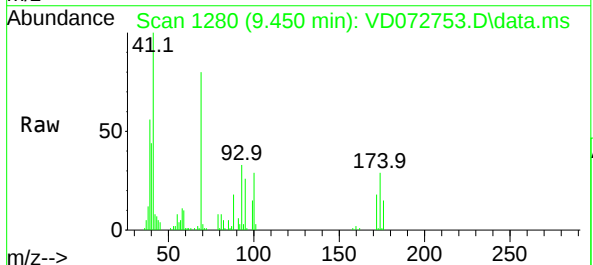
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

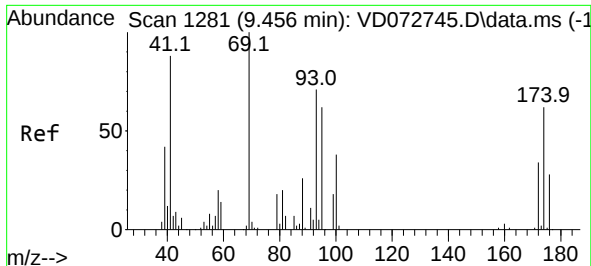
Tgt Ion: 83 Resp: 132174  
Ion Ratio Lower Upper  
83 100  
85 61.4 51.4 77.0  
127 7.9 6.1 9.1



#48  
Methyl methacrylate  
Concen: 20.537 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 41 Resp: 48808  
Ion Ratio Lower Upper  
41 100  
69 83.3 56.7 85.1  
39 55.6 42.7 64.1





#49

1,4-Dioxane

Concen: 437.448 ug/l

RT: 9.461 min Scan# 11

Delta R.T. 0.005 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

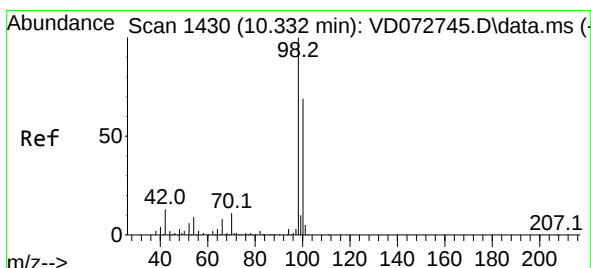
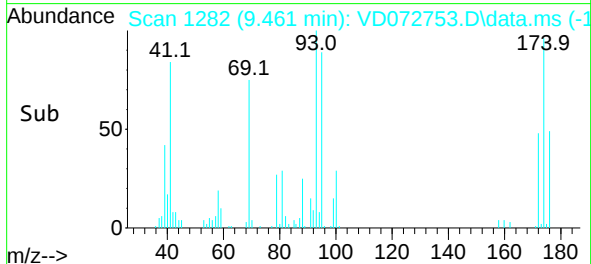
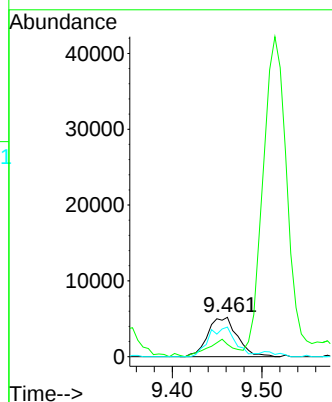
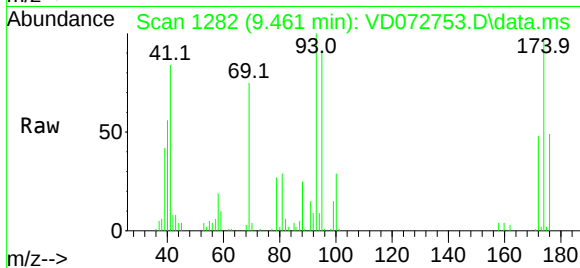
Tgt Ion: 88 Resp: 11799

Ion Ratio Lower Upper

88 100

43 38.1 31.0 46.4

58 68.5 58.1 87.1



#50

Toluene-d8

Concen: 49.732 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD072753.D

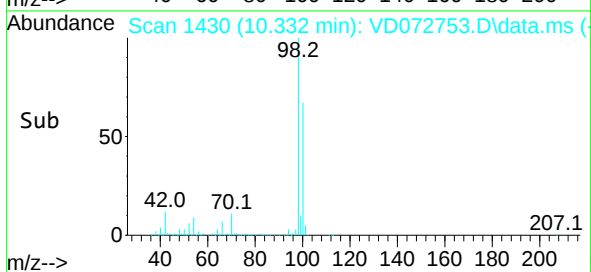
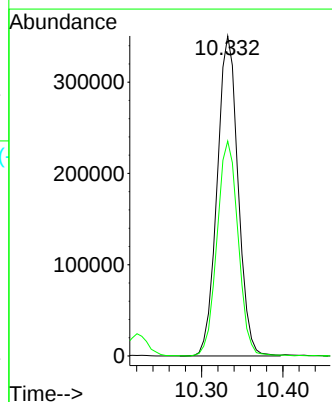
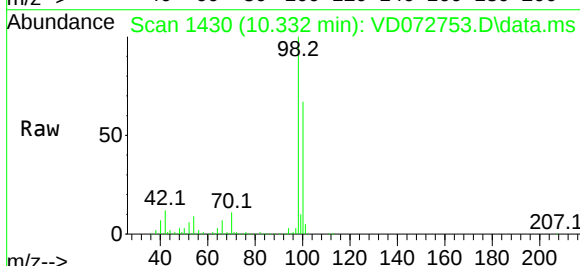
Acq: 02 May 2022 18:34

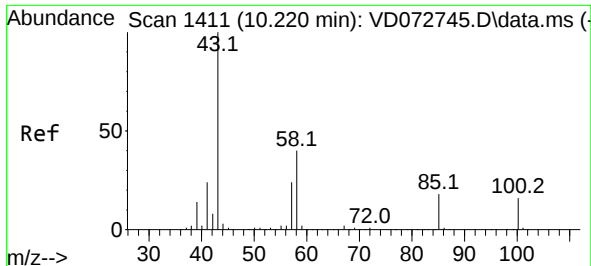
Tgt Ion: 98 Resp: 628148

Ion Ratio Lower Upper

98 100

100 67.9 52.4 78.6

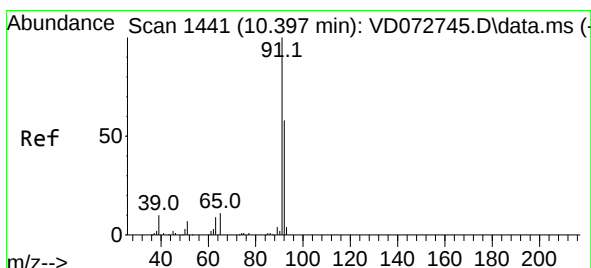
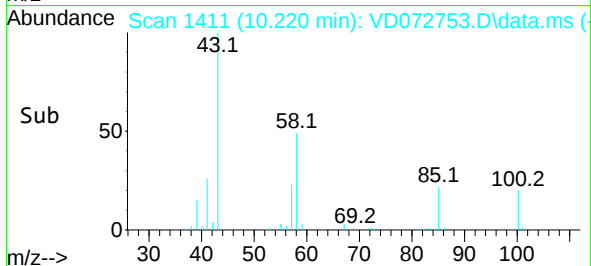
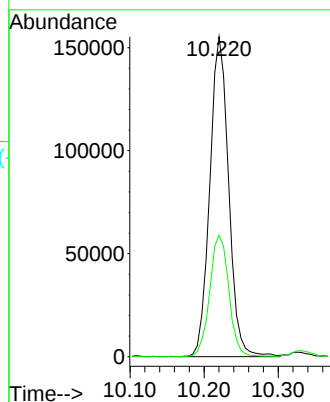
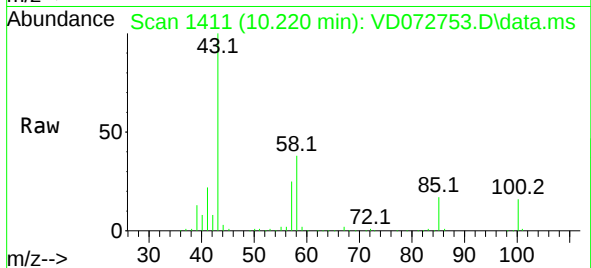




#51  
4-Methyl-2-Pentanone  
Concen: 108.958 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

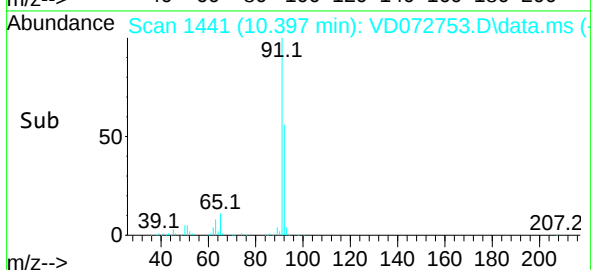
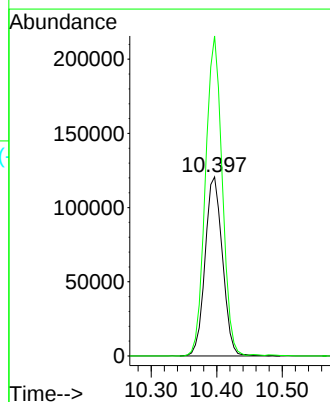
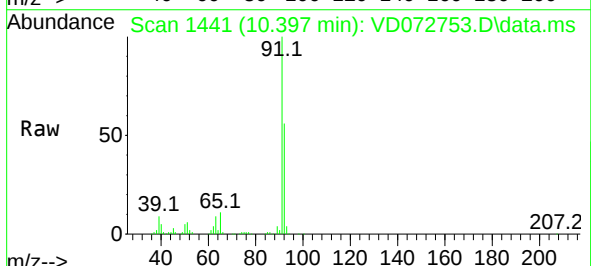
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

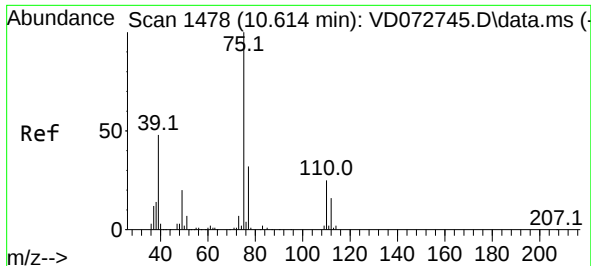
Tgt Ion: 43 Resp: 275047  
Ion Ratio Lower Upper  
43 100  
58 38.5 28.6 43.0



#52  
Toluene  
Concen: 21.598 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 92 Resp: 222764  
Ion Ratio Lower Upper  
92 100  
91 172.6 139.6 209.4

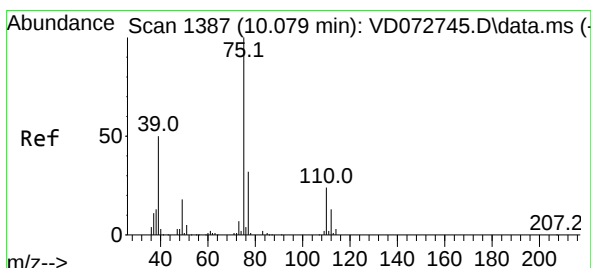
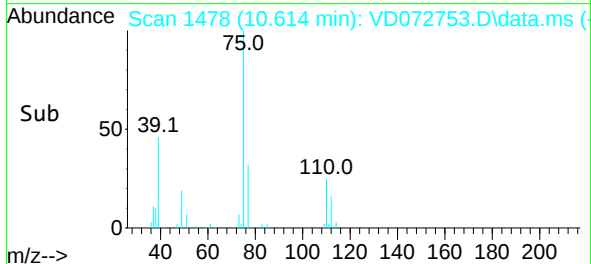
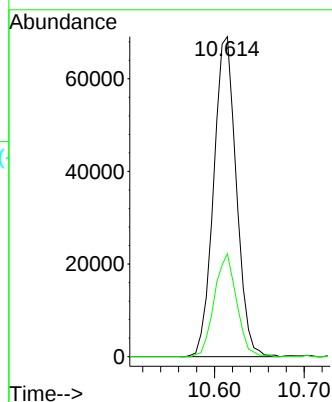
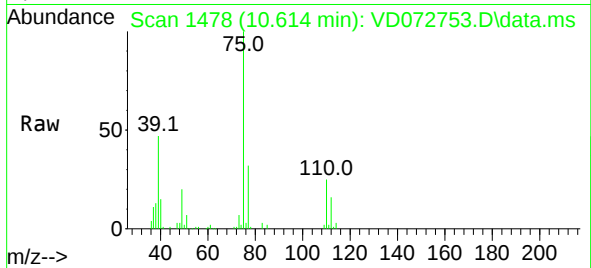




#53  
t-1,3-Dichloropropene  
Concen: 21.419 ug/l  
RT: 10.614 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

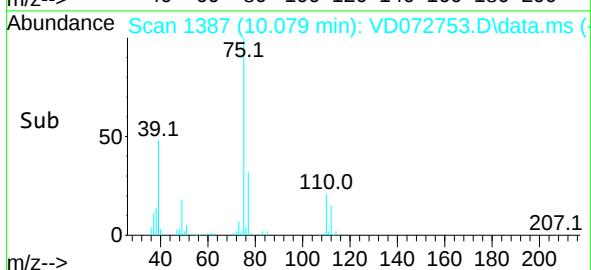
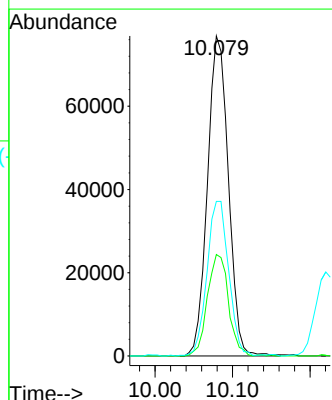
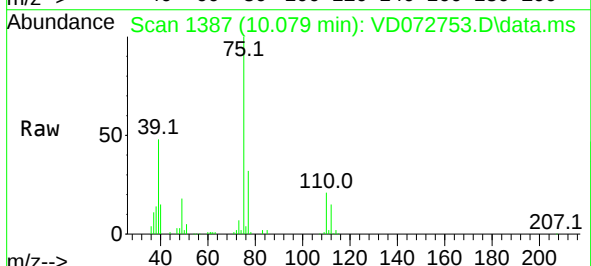
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

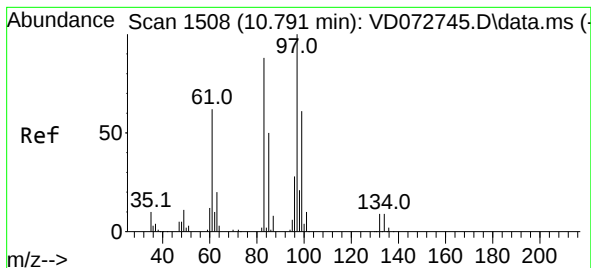
Tgt Ion: 75 Resp: 121225  
Ion Ratio Lower Upper  
75 100  
77 32.1 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 21.914 ug/l  
RT: 10.079 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 75 Resp: 144094  
Ion Ratio Lower Upper  
75 100  
77 31.7 24.8 37.2  
39 48.3 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 21.806 ug/l

RT: 10.791 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

Tgt Ion: 97 Resp: 70607

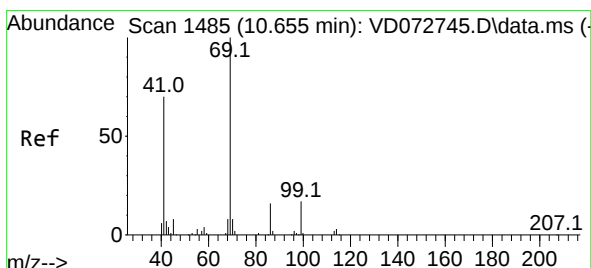
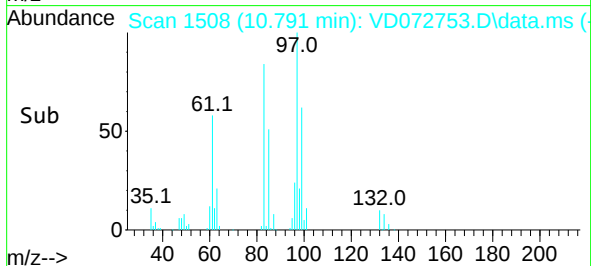
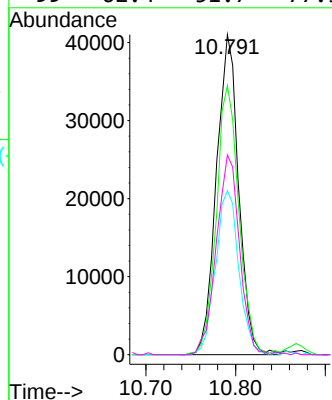
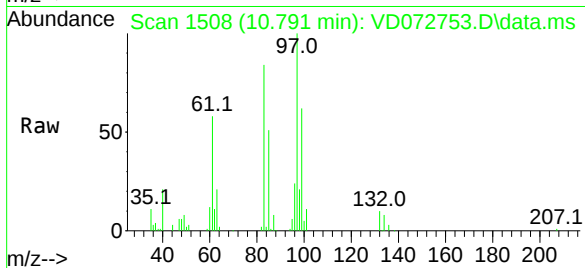
Ion Ratio Lower Upper

97 100

83 84.1 69.0 103.4

85 51.2 42.6 63.8

99 62.4 51.7 77.5



#56

Ethyl methacrylate

Concen: 21.338 ug/l

RT: 10.656 min Scan# 1485

Delta R.T. 0.001 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

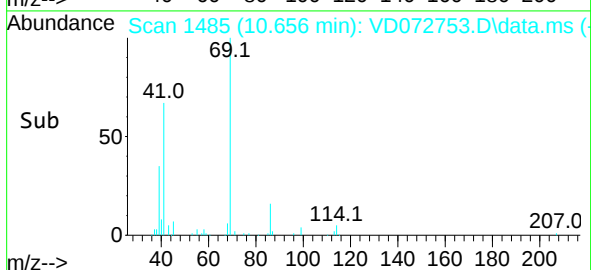
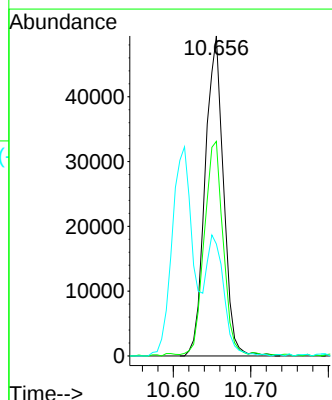
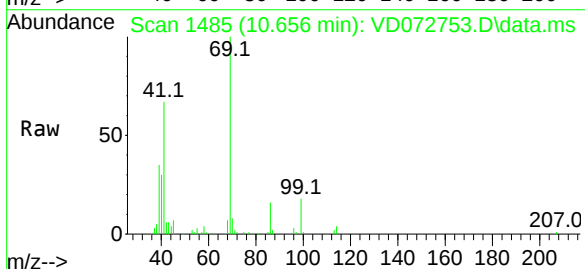
Tgt Ion: 69 Resp: 81350

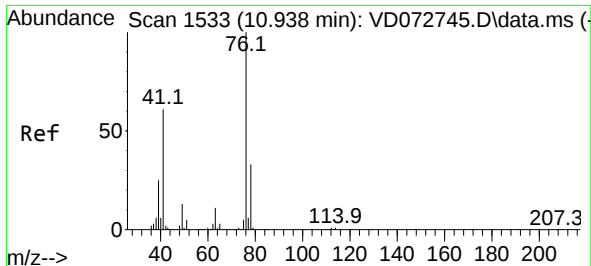
Ion Ratio Lower Upper

69 100

41 67.8 63.0 94.6

39 34.9 33.8 50.8





#57

1,3-Dichloropropane

Concen: 21.983 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

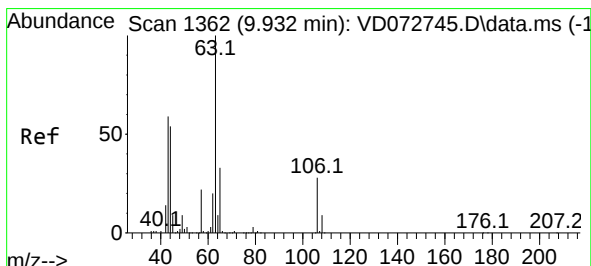
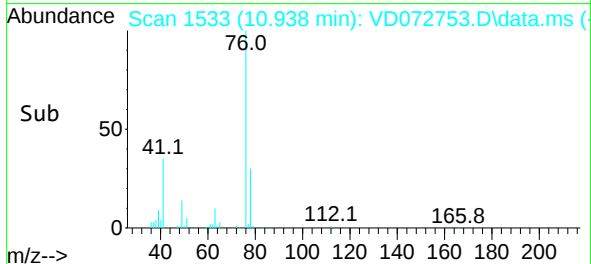
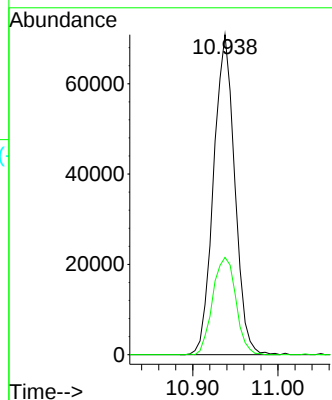
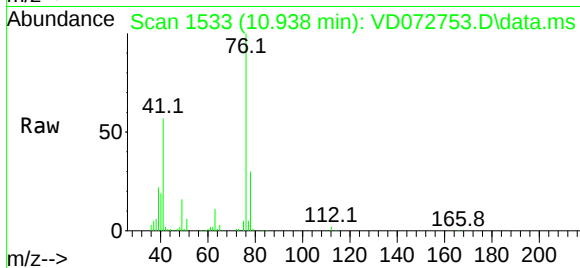
VD0502SBSD01

Tgt Ion: 76 Resp: 122149

Ion Ratio Lower Upper

76 100

78 33.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 106.060 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VD072753.D

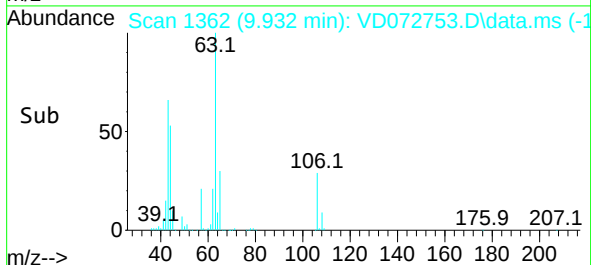
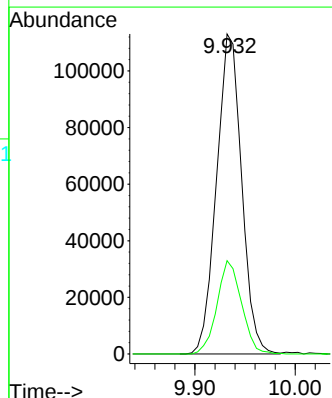
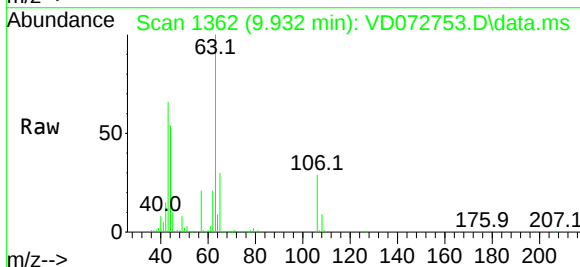
Acq: 02 May 2022 18:34

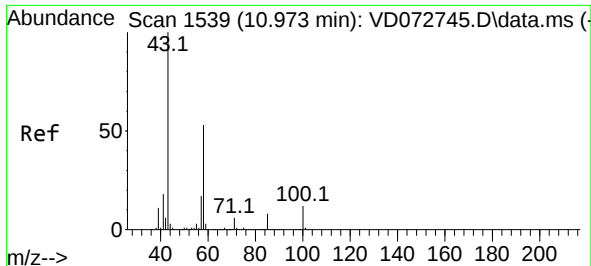
Tgt Ion: 63 Resp: 196045

Ion Ratio Lower Upper

63 100

106 28.4 21.4 32.0

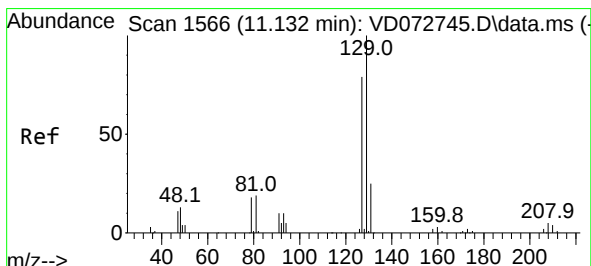
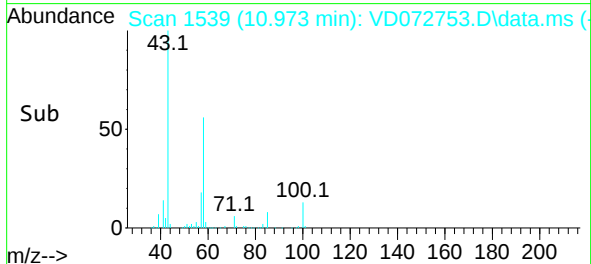
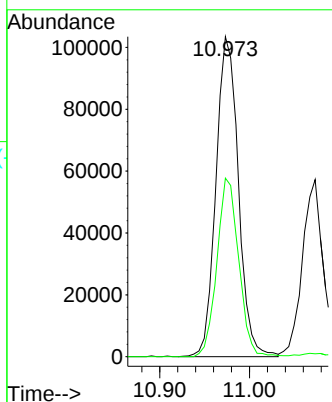
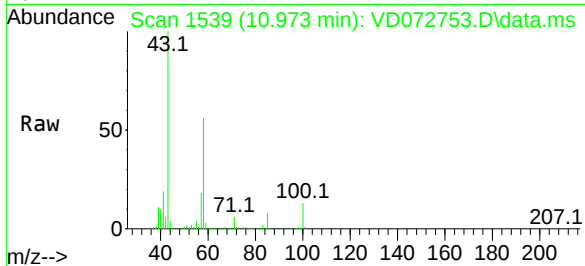




#59  
2-Hexanone  
Concen: 105.706 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

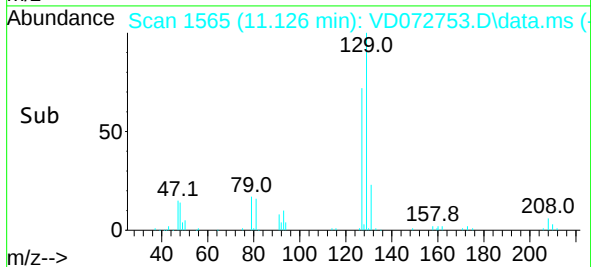
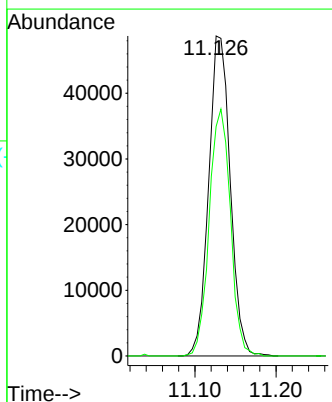
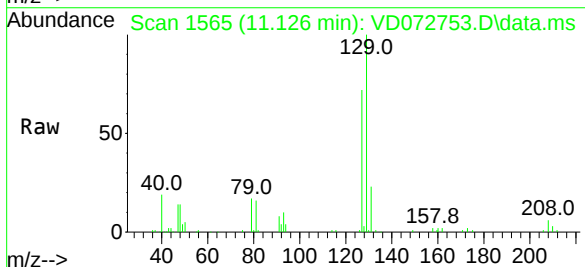
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

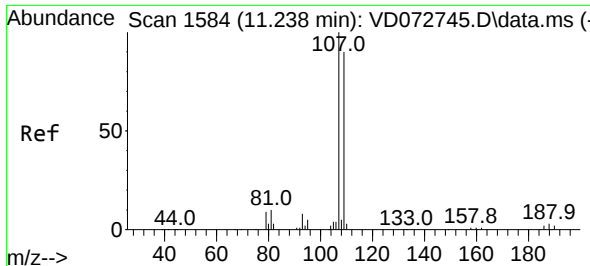
Tgt Ion: 43 Resp: 179551  
Ion Ratio Lower Upper  
43 100  
58 54.2 25.3 75.9



#60  
Dibromochloromethane  
Concen: 22.051 ug/l  
RT: 11.126 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:129 Resp: 89886  
Ion Ratio Lower Upper  
129 100  
127 75.8 39.2 117.6

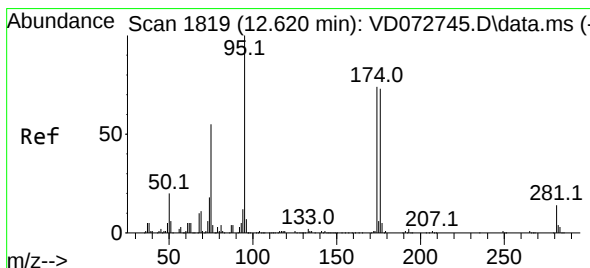
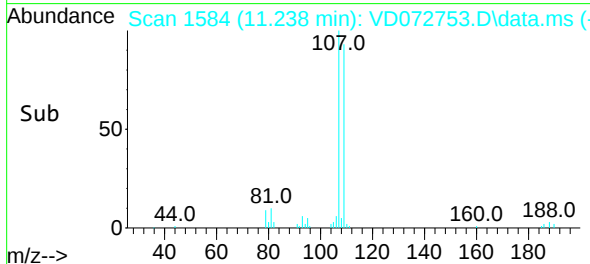
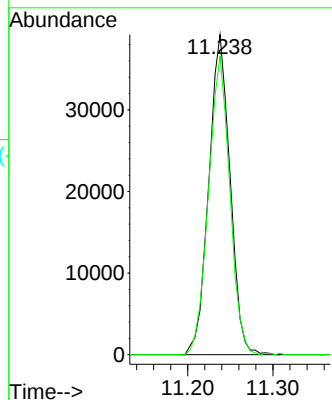
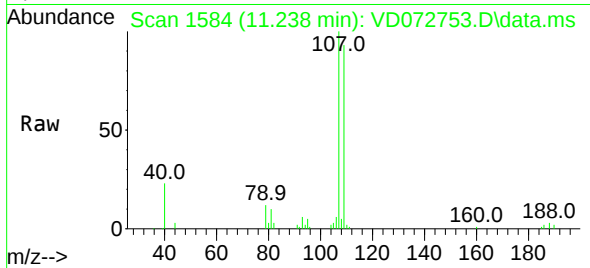




#61  
1,2-Dibromoethane  
Concen: 21.572 ug/l  
RT: 11.238 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

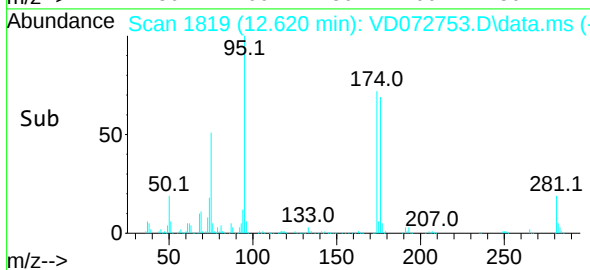
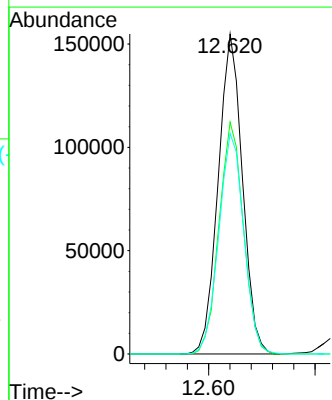
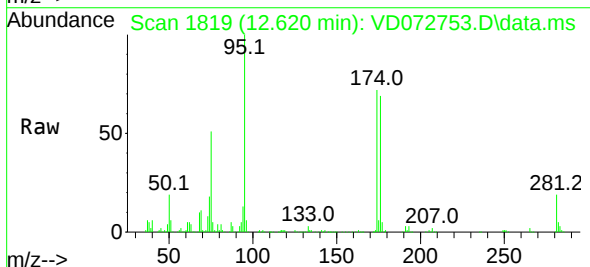
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

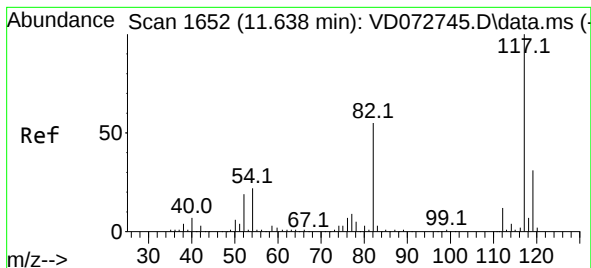
Tgt Ion:107 Resp: 67988  
Ion Ratio Lower Upper  
107 100  
109 93.4 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 51.795 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 95 Resp: 243932  
Ion Ratio Lower Upper  
95 100  
174 72.9 0.0 152.8  
176 71.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

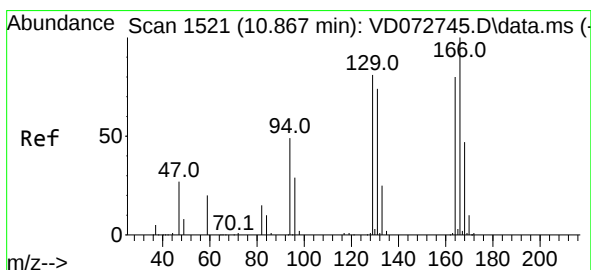
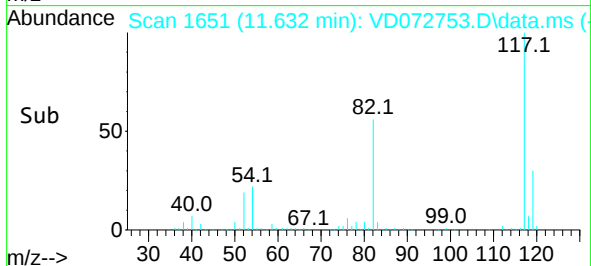
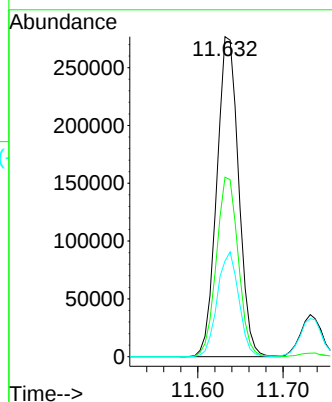
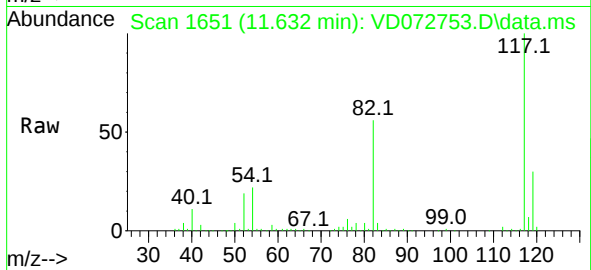
Tgt Ion:117 Resp: 493021

Ion Ratio Lower Upper

117 100

82 56.1 45.3 67.9

119 29.9 26.6 40.0



#64

Tetrachloroethene

Concen: 20.128 ug/l

RT: 10.867 min Scan# 1521

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Tgt Ion:164 Resp: 72552

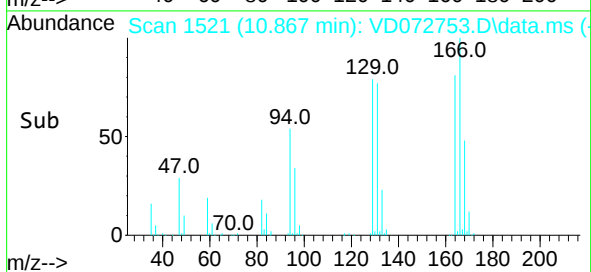
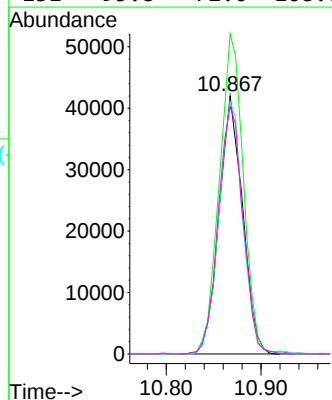
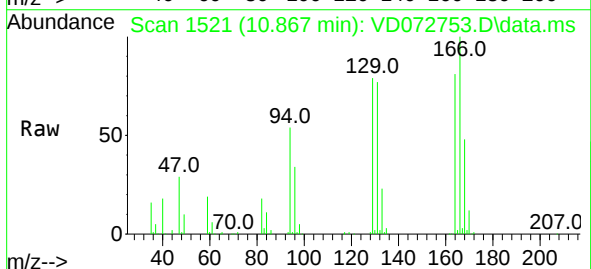
Ion Ratio Lower Upper

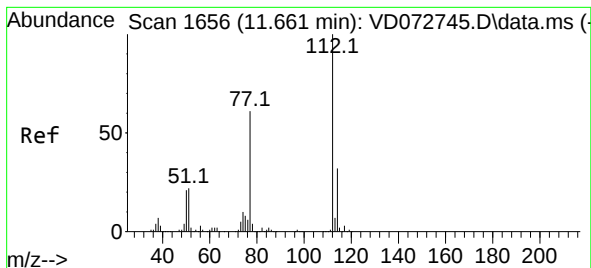
164 100

166 124.0 98.5 147.7

129 97.8 74.6 111.8

131 95.8 72.0 108.0





#65

Chlorobenzene

Concen: 20.675 ug/l

RT: 11.661 min Scan# 1656

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

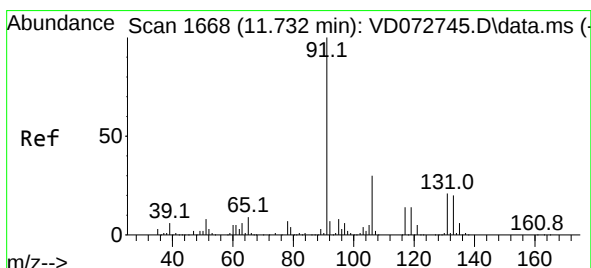
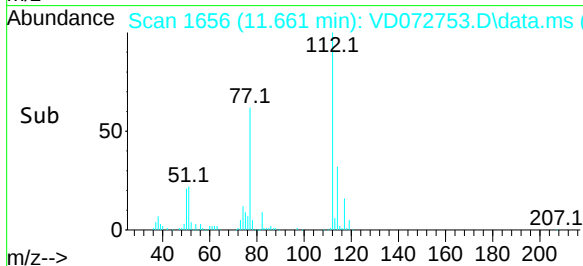
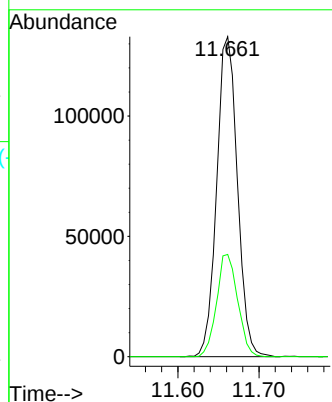
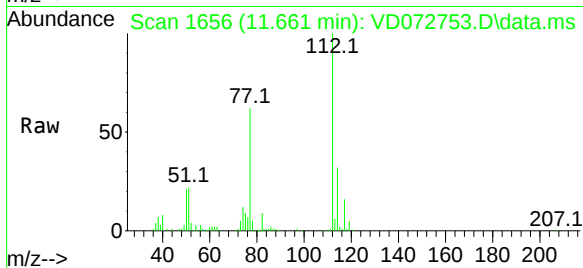
VD0502SBSD01

Tgt Ion:112 Resp: 235765

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 20.733 ug/l

RT: 11.732 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

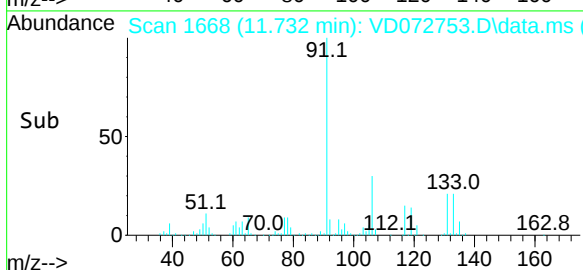
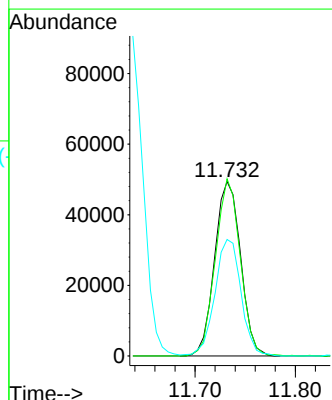
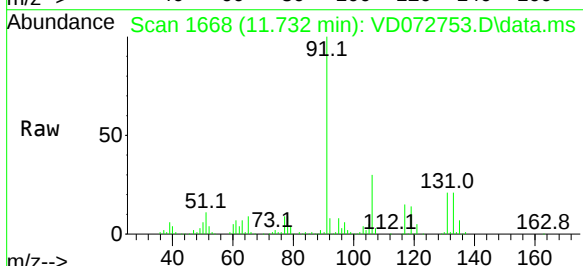
Tgt Ion:131 Resp: 88852

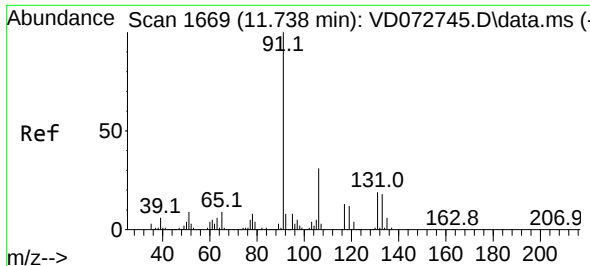
Ion Ratio Lower Upper

131 100

133 97.4 48.1 144.3

119 67.4 31.9 95.9

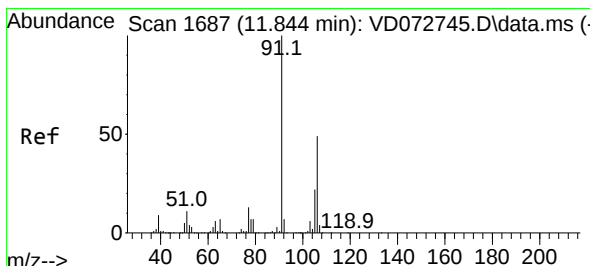
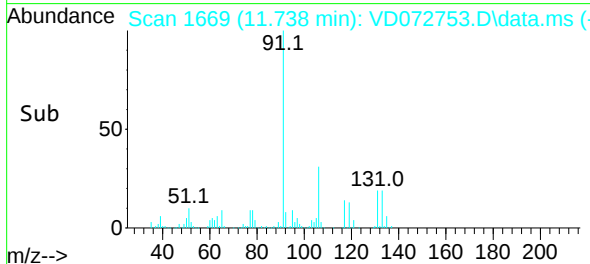
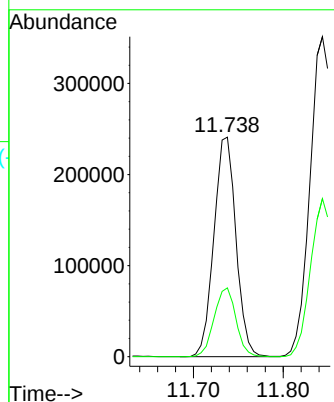
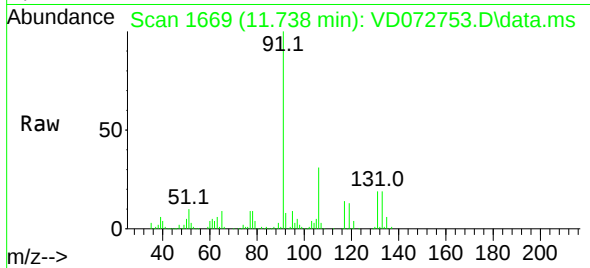




#67  
Ethyl Benzene  
Concen: 20.853 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

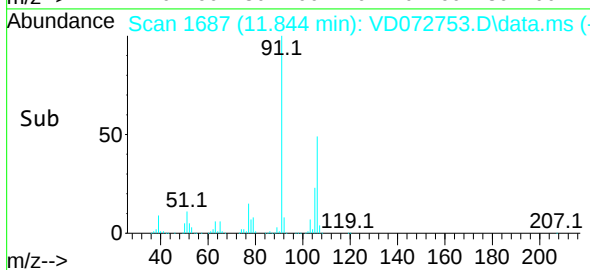
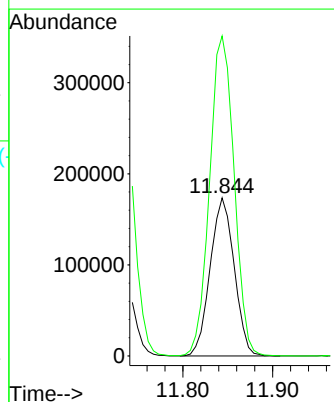
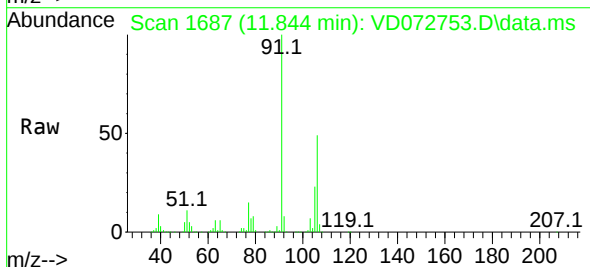
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

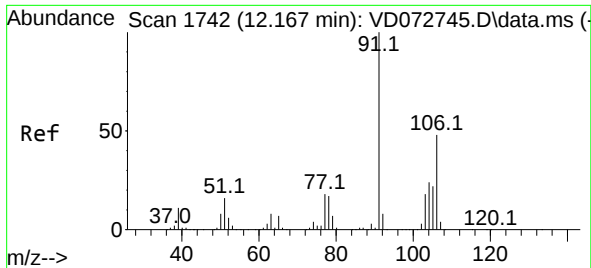
Tgt Ion: 91 Resp: 411520  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.2 36.4



#68  
m/p-Xylenes  
Concen: 42.481 ug/l  
RT: 11.844 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 106 Resp: 322938  
Ion Ratio Lower Upper  
106 100  
91 206.5 163.7 245.5

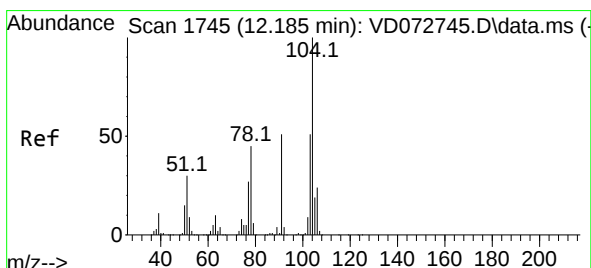
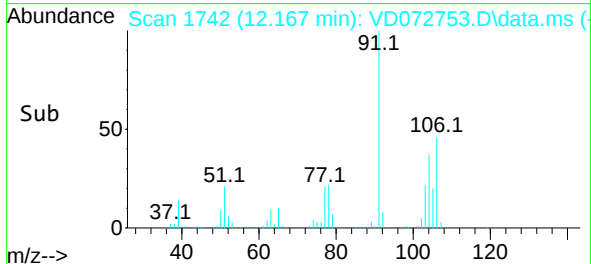
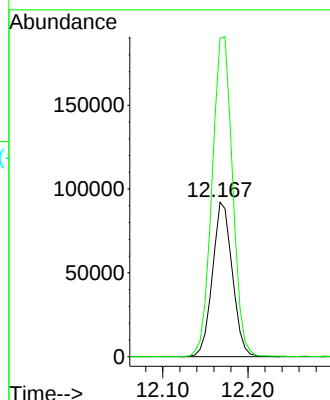
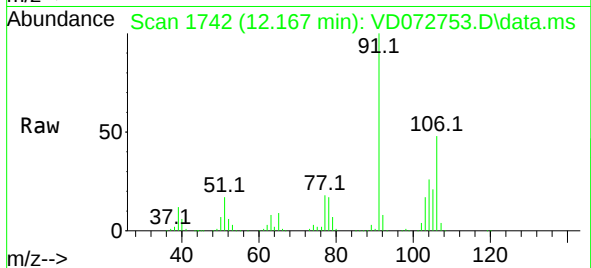




#69  
o-Xylene  
Concen: 20.981 ug/l  
RT: 12.167 min Scan# 1742  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

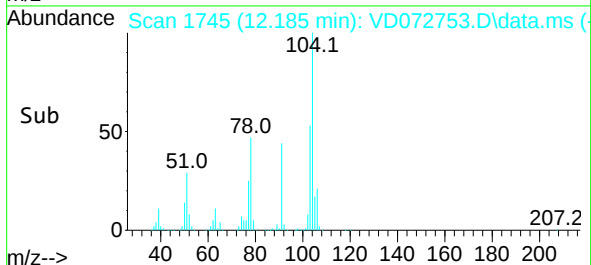
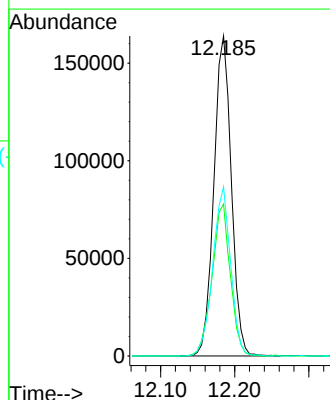
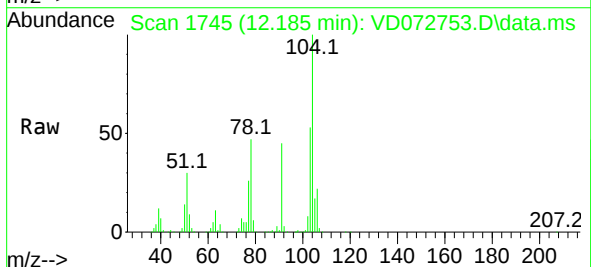
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

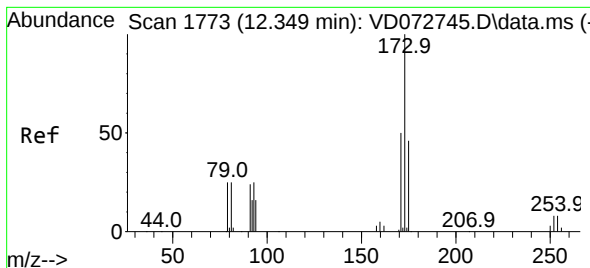
Tgt Ion:106 Resp: 148957  
Ion Ratio Lower Upper  
106 100  
91 214.6 110.4 331.2



#70  
Styrene  
Concen: 21.790 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:104 Resp: 268039  
Ion Ratio Lower Upper  
104 100  
78 49.7 41.8 62.8  
103 54.2 44.2 66.4





#71

Bromoform

Concen: 21.278 ug/l

RT: 12.355 min Scan# 1774

Delta R.T. 0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

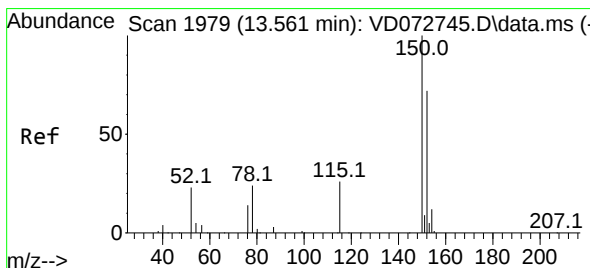
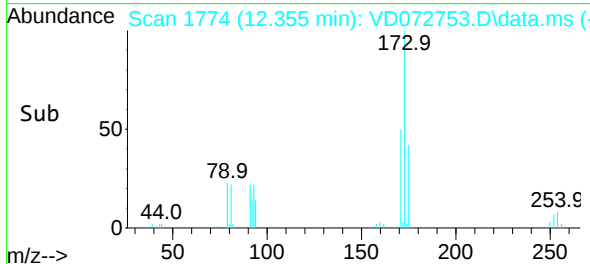
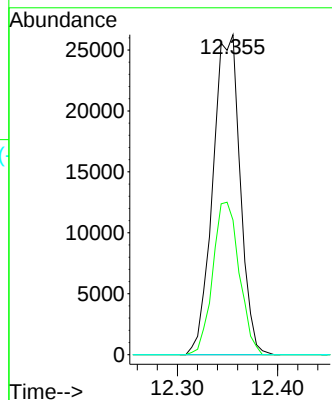
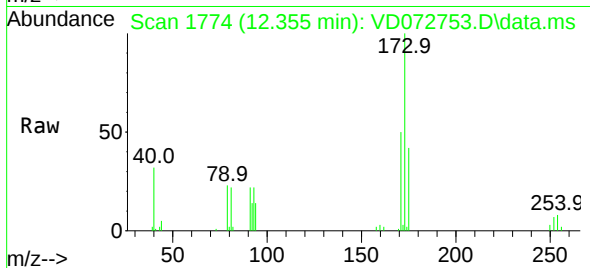
Tgt Ion:173 Resp: 49420

Ion Ratio Lower Upper

173 100

175 46.4 23.9 71.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

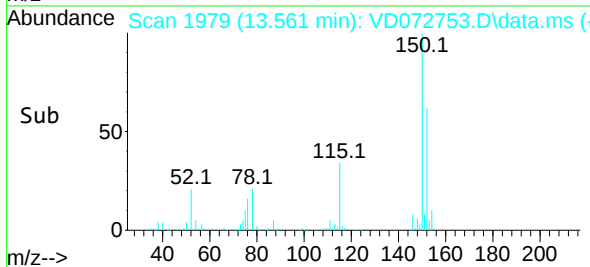
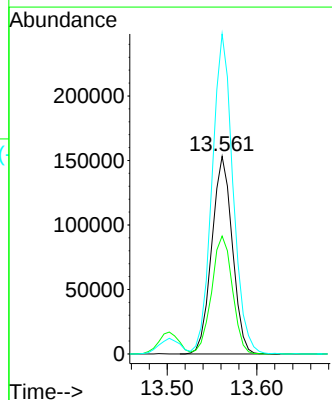
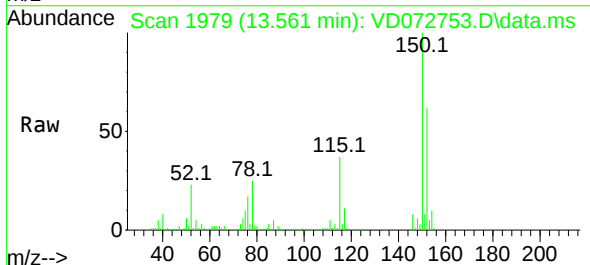
Tgt Ion:152 Resp: 243346

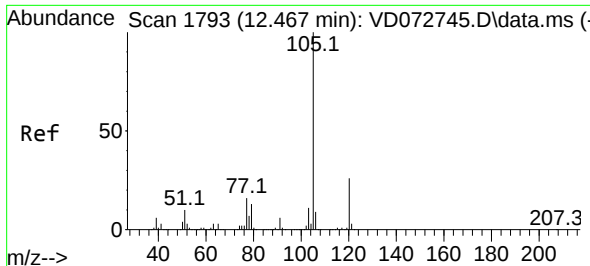
Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 165.1 0.0 348.6

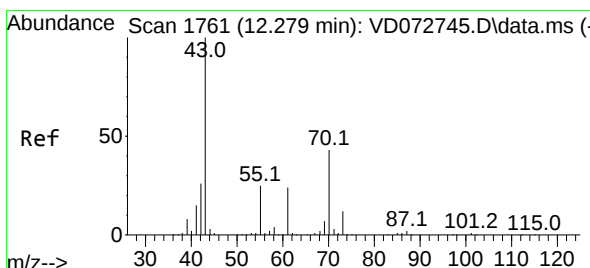
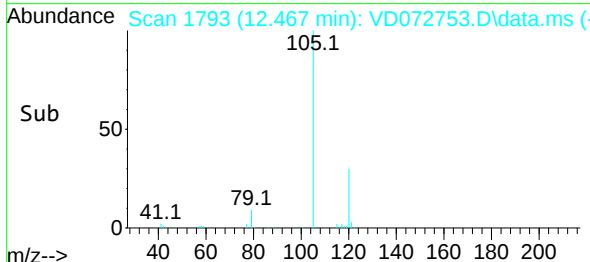
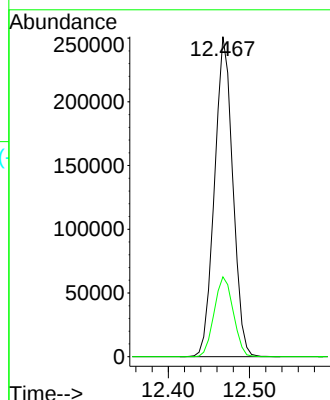
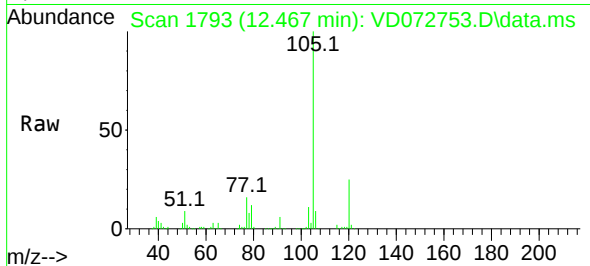




#73  
Isopropylbenzene  
Concen: 20.750 ug/l  
RT: 12.467 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

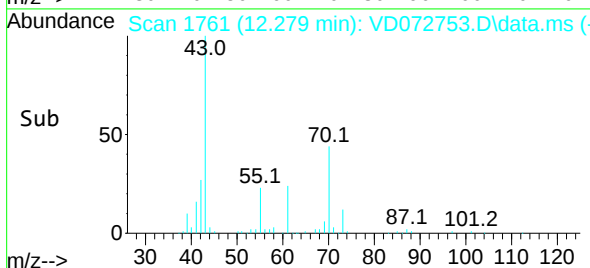
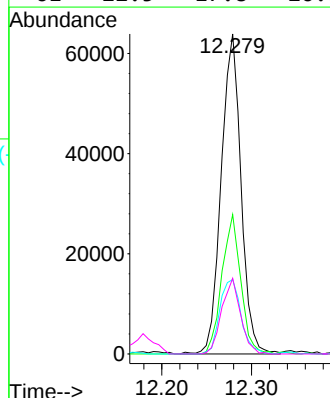
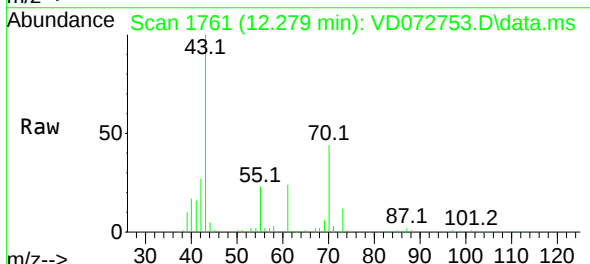
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

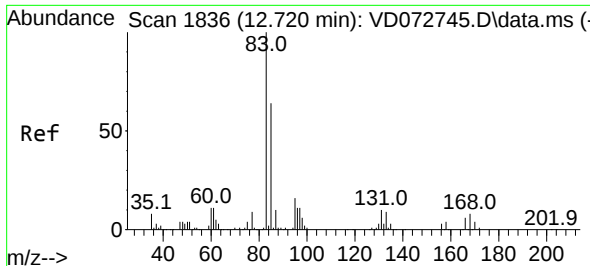
Tgt Ion:105 Resp: 392857  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.0 38.9



#74  
N-ethyl acetate  
Concen: 20.823 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 43 Resp: 98178  
Ion Ratio Lower Upper  
43 100  
70 41.4 31.3 46.9  
55 25.0 20.0 30.0  
61 22.5 17.8 26.8

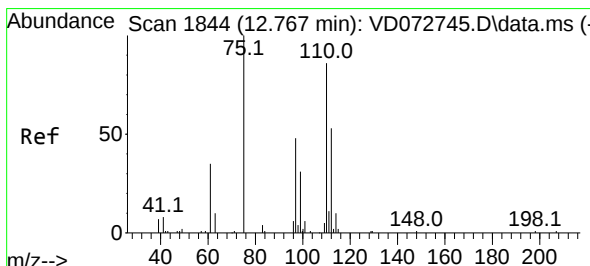
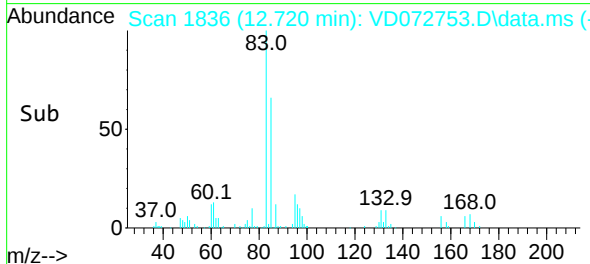
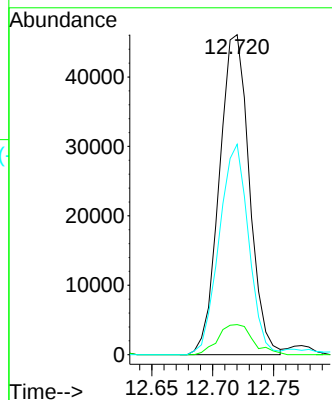
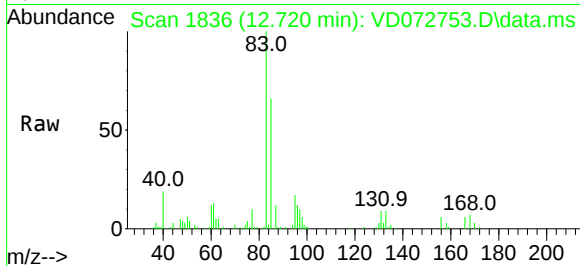




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.682 ug/l  
RT: 12.720 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

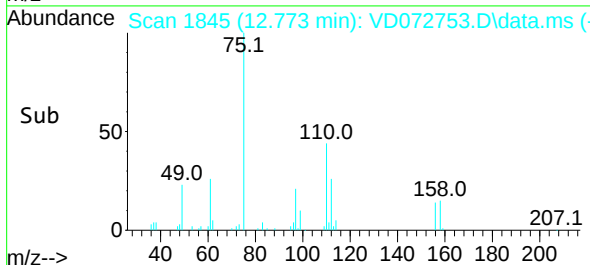
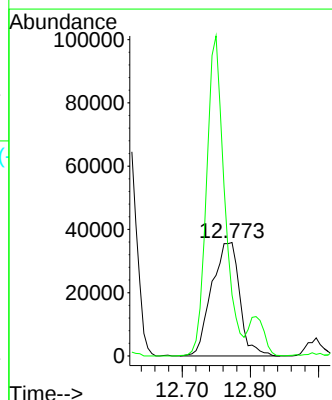
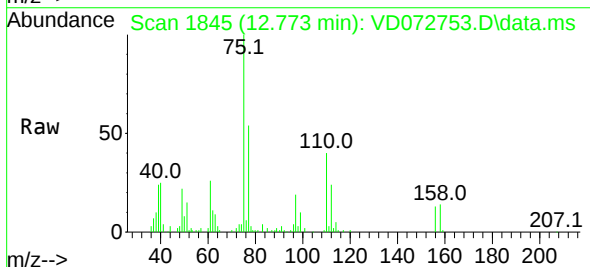
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

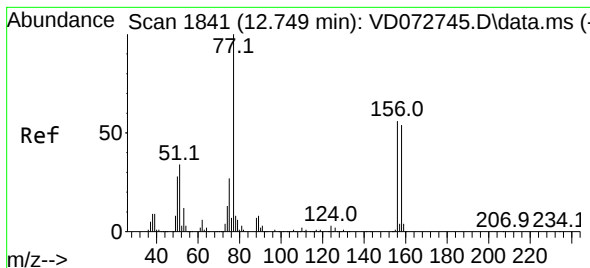
Tgt Ion: 83 Resp: 79044  
Ion Ratio Lower Upper  
83 100  
131 10.9 5.0 14.9  
85 64.6 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 37.698 ug/l  
RT: 12.773 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 75 Resp: 102293  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 21.423 ug/l

RT: 12.750 min Scan# 1841

Delta R.T. 0.001 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

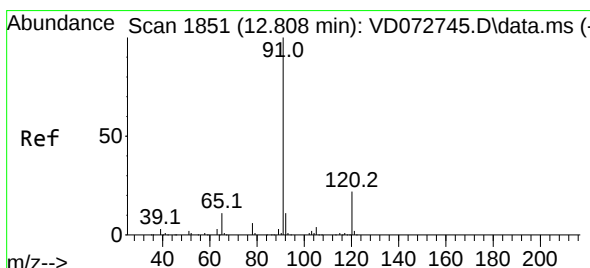
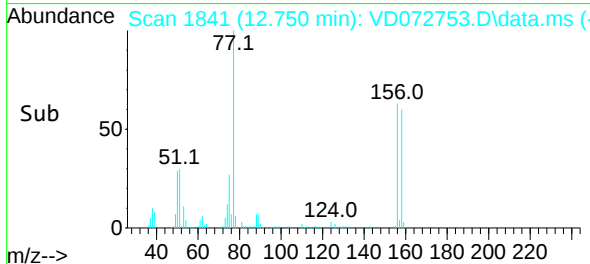
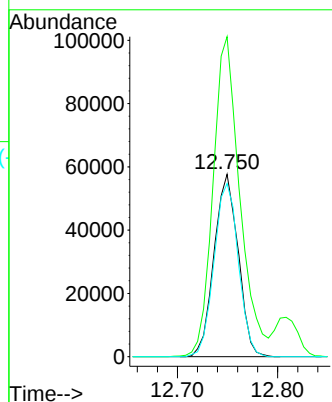
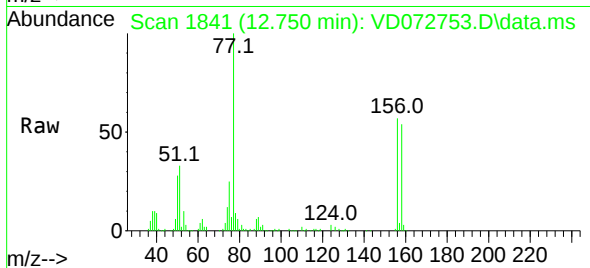
Tgt Ion:156 Resp: 96315

Ion Ratio Lower Upper

156 100

77 194.9 102.8 308.3

158 95.8 48.7 146.1



#78

n-propylbenzene

Concen: 20.919 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VD072753.D

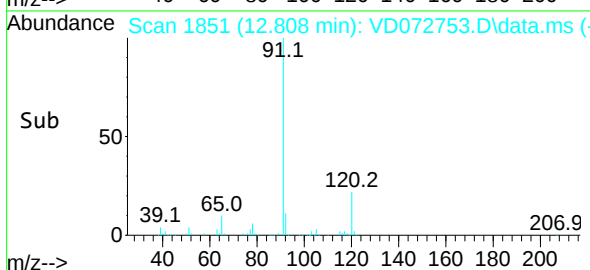
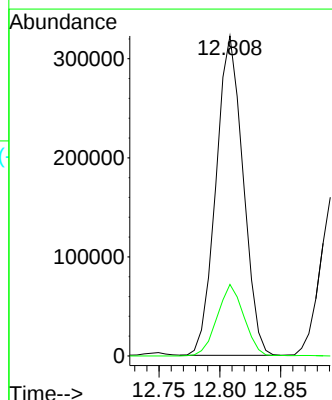
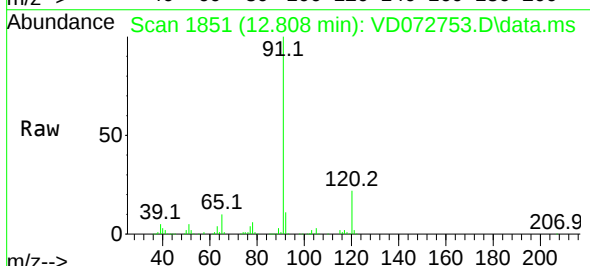
Acq: 02 May 2022 18:34

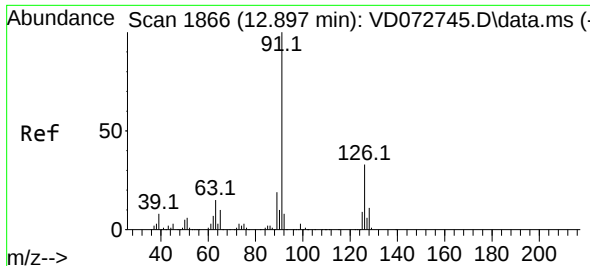
Tgt Ion: 91 Resp: 499166

Ion Ratio Lower Upper

91 100

120 22.1 10.9 32.9

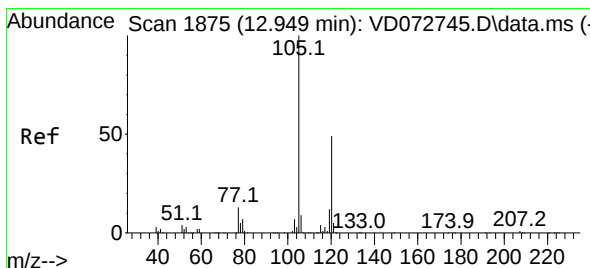
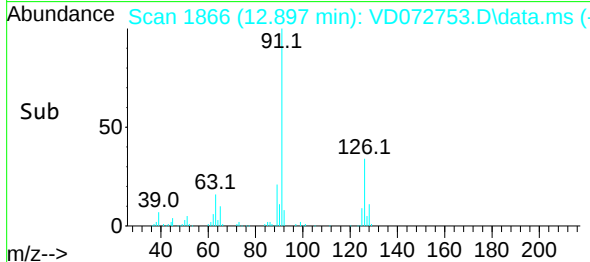
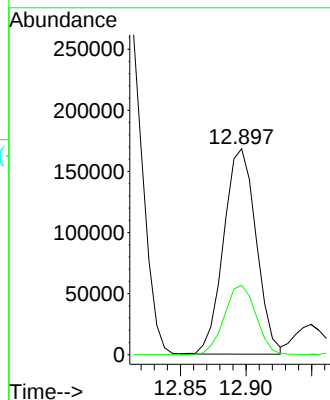
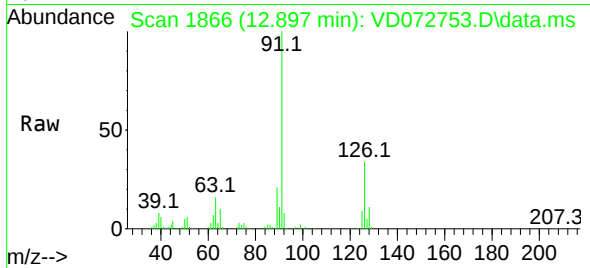




#79  
2-Chlorotoluene  
Concen: 20.771 ug/l  
RT: 12.897 min Scan# 1866  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

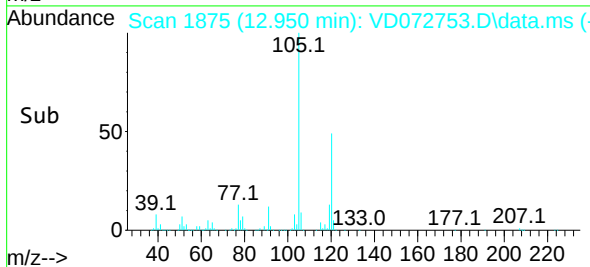
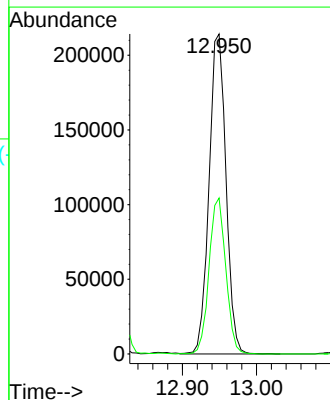
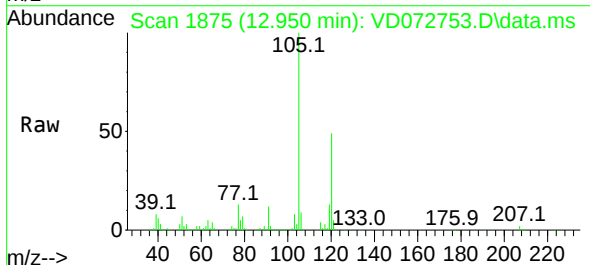
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

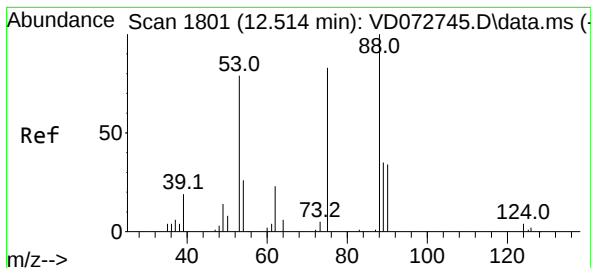
Tgt Ion: 91 Resp: 289534  
Ion Ratio Lower Upper  
91 100  
126 33.0 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 21.131 ug/l  
RT: 12.950 min Scan# 1875  
Delta R.T. 0.001 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 105 Resp: 339228  
Ion Ratio Lower Upper  
105 100  
120 48.3 24.3 72.8

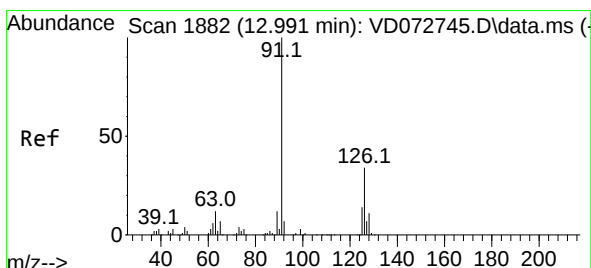
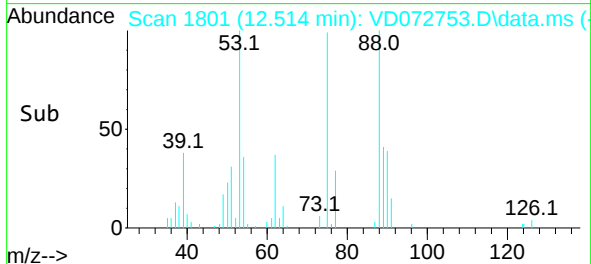
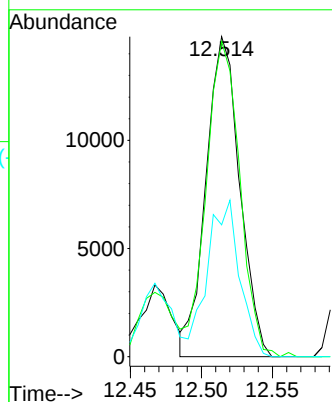
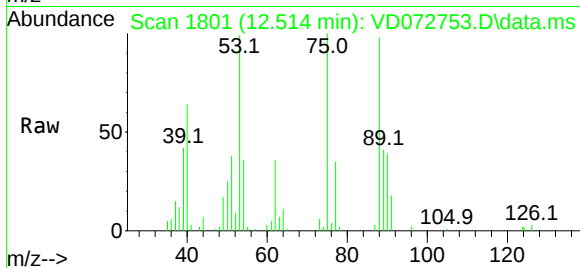




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.696 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

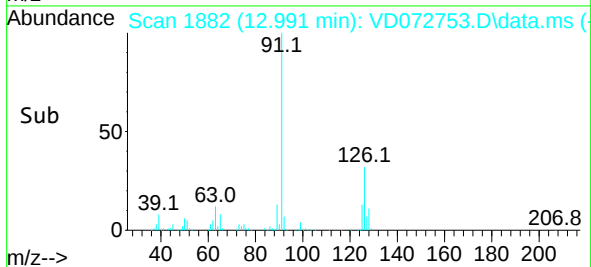
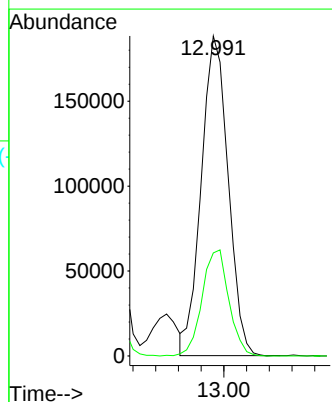
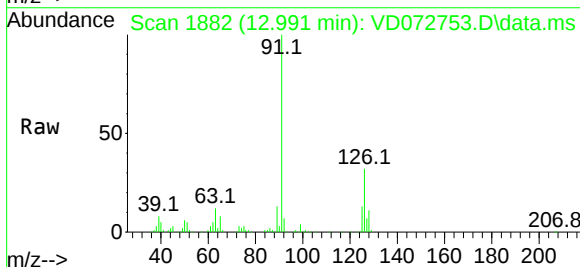
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

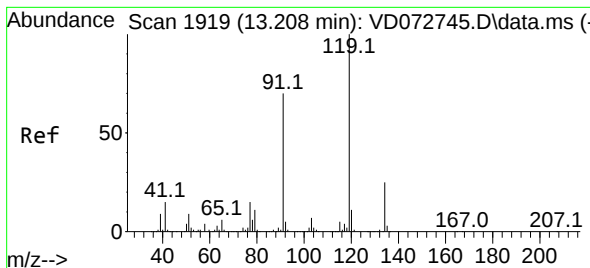
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 24421 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 98.4  | 86.5  | 129.7 |
| 89       | 46.4  | 33.9  | 50.9  |



#82  
4-Chlorotoluene  
Concen: 21.195 ug/l  
RT: 12.991 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 308693 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 33.1  | 16.5  | 49.5   |





#83

tert-Butylbenzene

Concen: 20.078 ug/l

RT: 13.208 min Scan# 1919

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

VD0502SBSD01

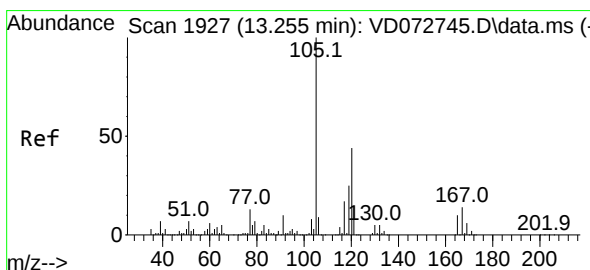
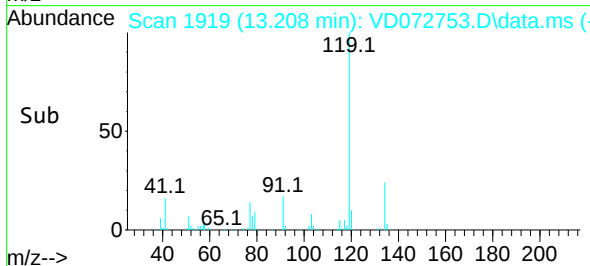
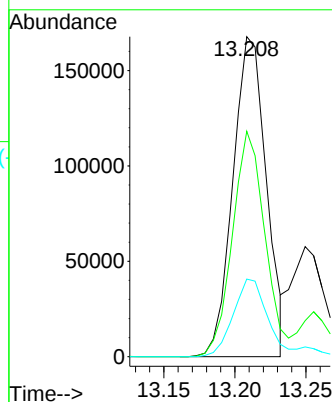
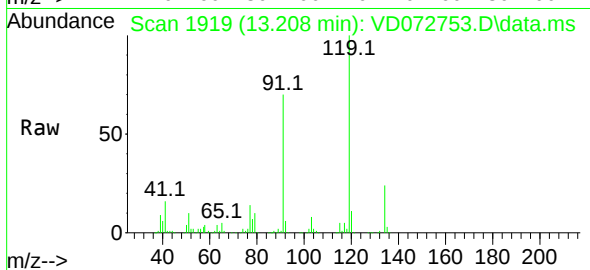
Tgt Ion:119 Resp: 274039

Ion Ratio Lower Upper

119 100

91 68.6 34.8 104.5

134 25.0 13.3 39.9



#84

1,2,4-Trimethylbenzene

Concen: 21.416 ug/l

RT: 13.255 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VD072753.D

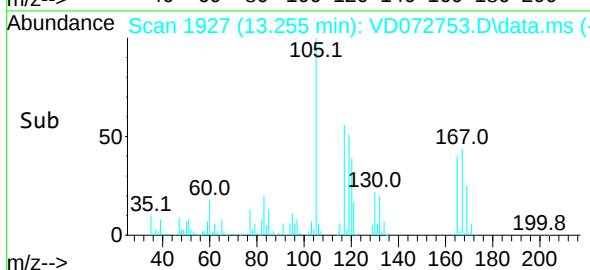
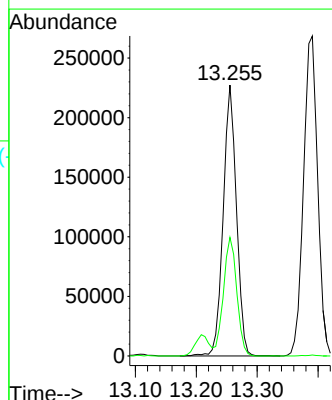
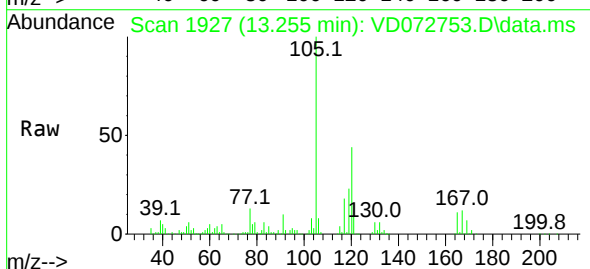
Acq: 02 May 2022 18:34

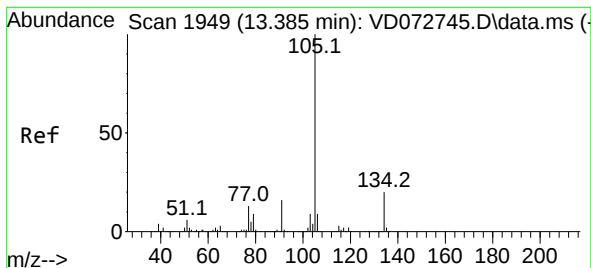
Tgt Ion:105 Resp: 343664

Ion Ratio Lower Upper

105 100

120 44.2 22.3 66.8





#85

sec-Butylbenzene

Concen: 20.943 ug/l

RT: 13.391 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

Instrument :

MSVOA\_D

ClientSampleId :

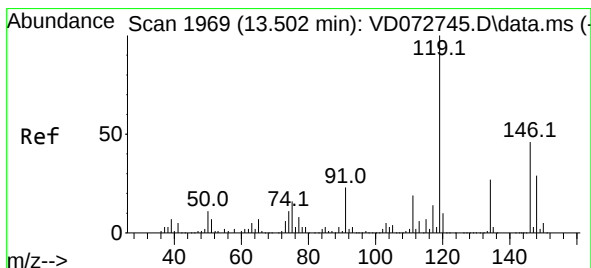
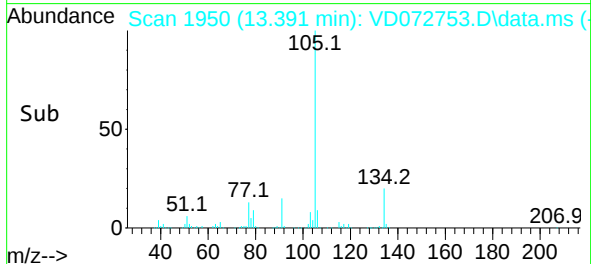
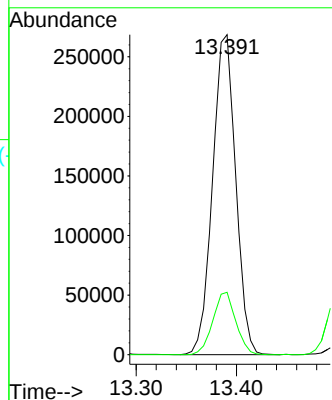
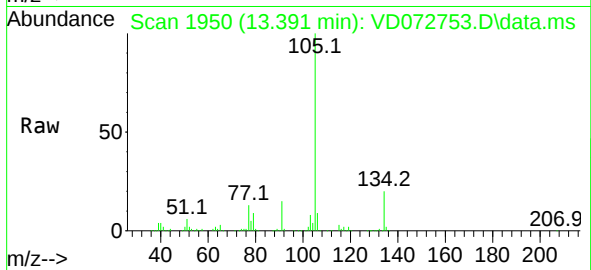
VD0502SBSD01

Tgt Ion:105 Resp: 431110

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.3



#86

p-Isopropyltoluene

Concen: 20.698 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD072753.D

Acq: 02 May 2022 18:34

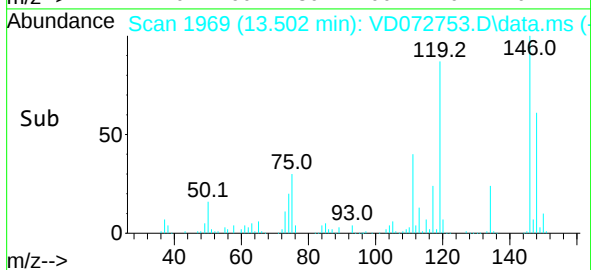
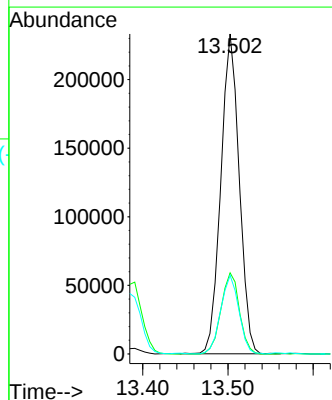
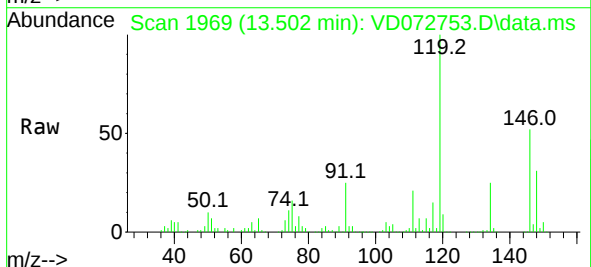
Tgt Ion:119 Resp: 349334

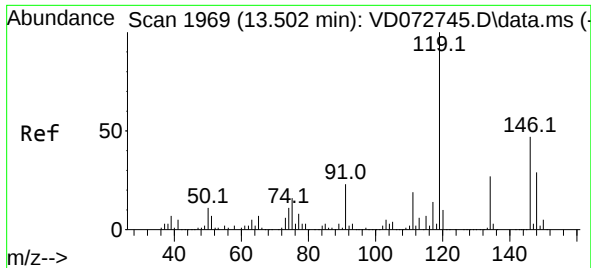
Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

91 24.3 12.1 36.3

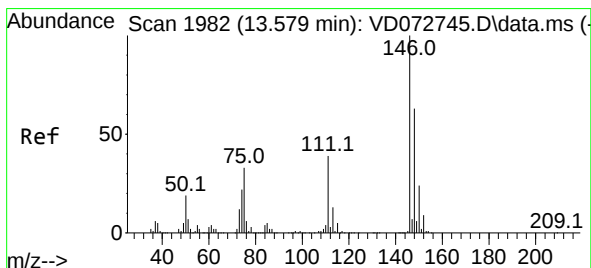
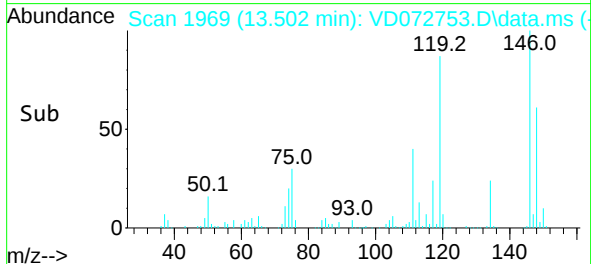
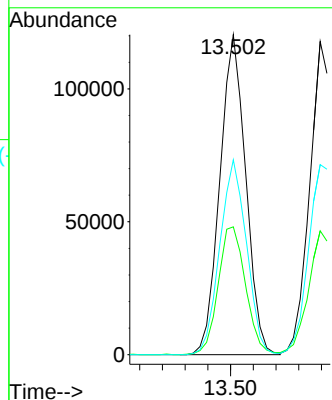
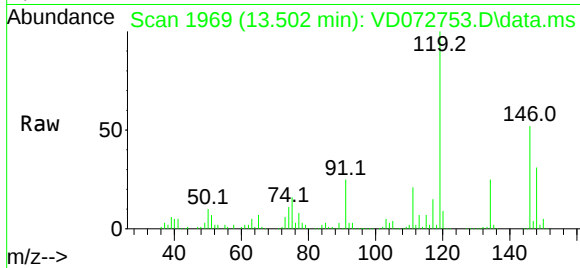




#87  
1,3-Dichlorobenzene  
Concen: 21.054 ug/l  
RT: 13.502 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

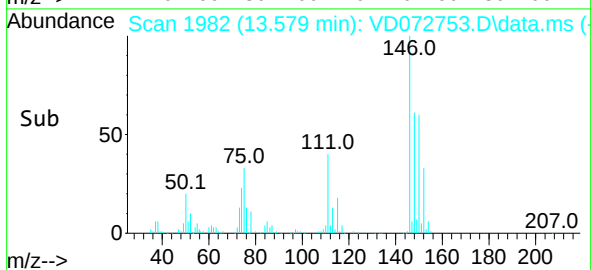
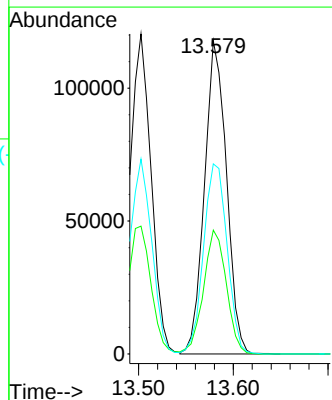
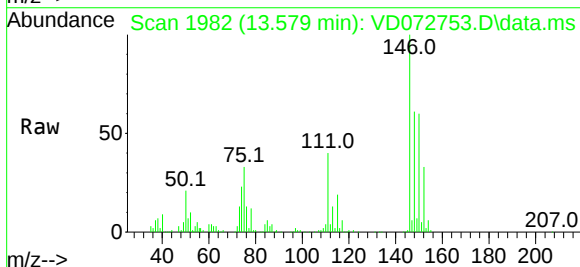
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBS01

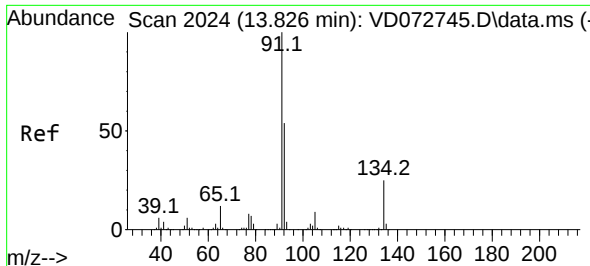
Tgt Ion:146 Resp: 190688  
Ion Ratio Lower Upper  
146 100  
111 42.4 20.4 61.3  
148 62.8 31.9 95.7



#88  
1,4-Dichlorobenzene  
Concen: 21.059 ug/l  
RT: 13.579 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:146 Resp: 189936  
Ion Ratio Lower Upper  
146 100  
111 41.1 20.3 60.9  
148 65.2 31.7 95.1

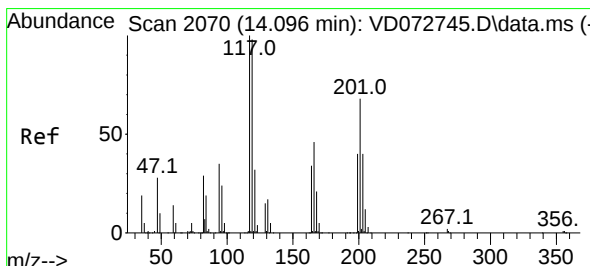
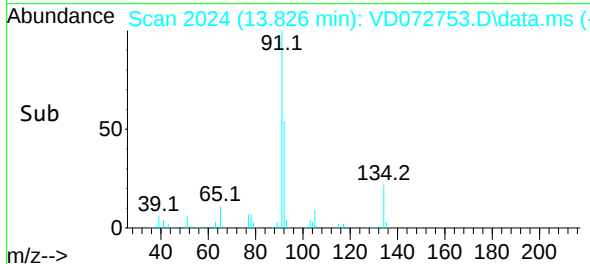
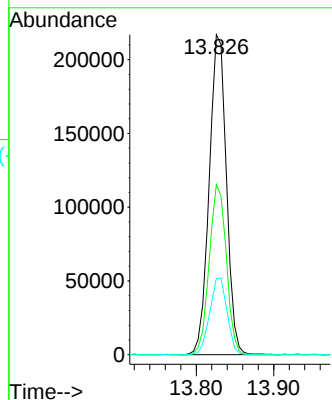
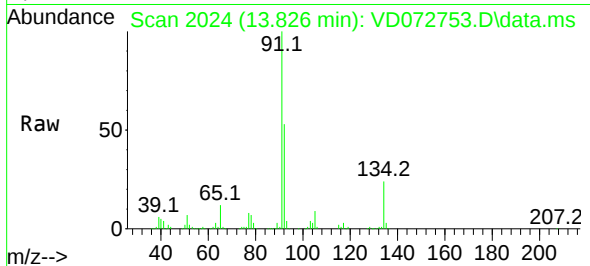




#89  
n-Butylbenzene  
Concen: 20.448 ug/l  
RT: 13.826 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

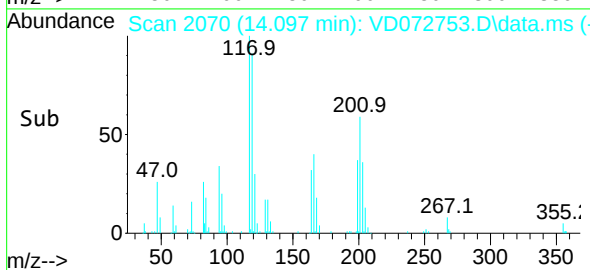
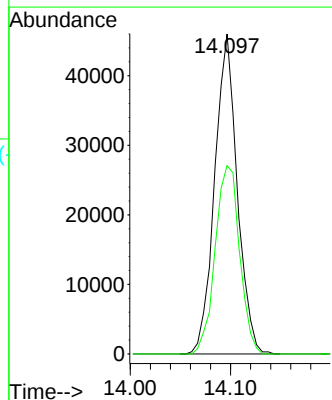
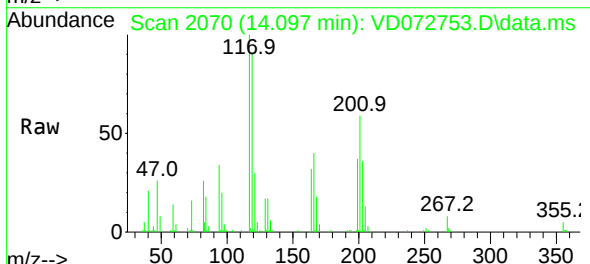
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

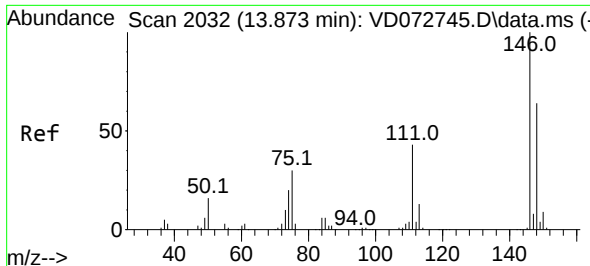
Tgt Ion: 91 Resp: 334322  
Ion Ratio Lower Upper  
91 100  
92 52.9 26.6 79.8  
134 24.2 12.3 36.9



#90  
Hexachloroethane  
Concen: 20.805 ug/l  
RT: 14.097 min Scan# 2070  
Delta R.T. 0.001 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 117 Resp: 71936  
Ion Ratio Lower Upper  
117 100  
201 63.6 33.4 100.2

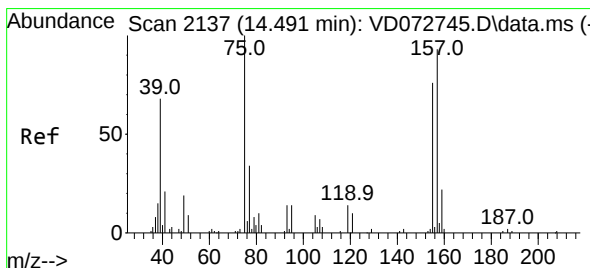
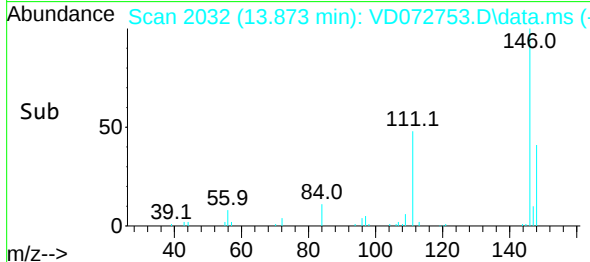
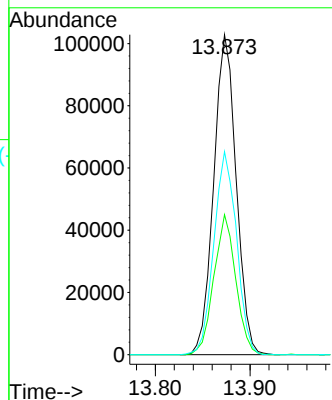
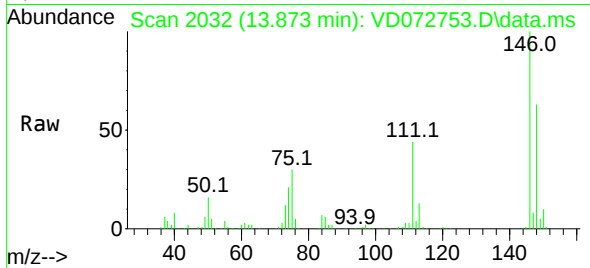




#91  
1,2-Dichlorobenzene  
Concen: 21.526 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

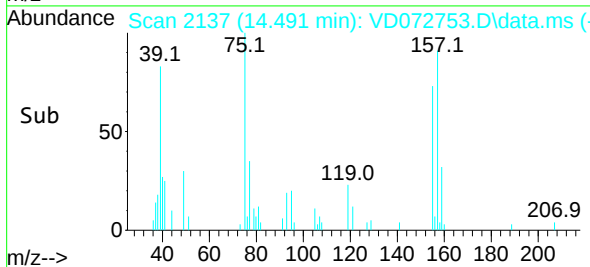
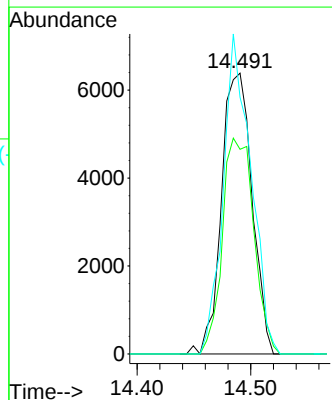
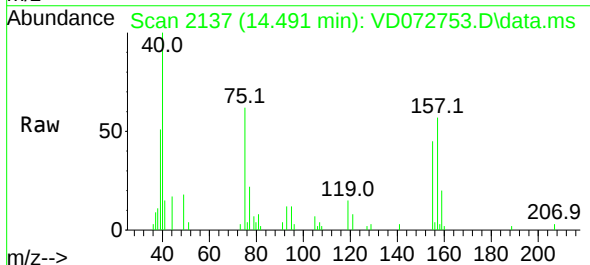
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

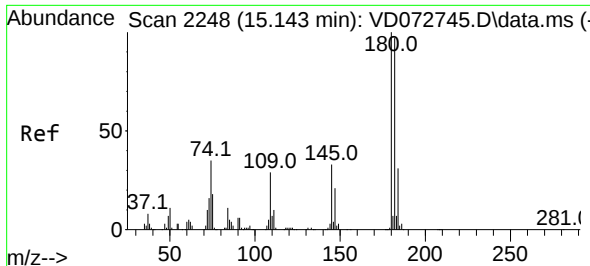
Tgt Ion:146 Resp: 169911  
Ion Ratio Lower Upper  
146 100  
111 42.6 21.1 63.3  
148 64.2 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.703 ug/l  
RT: 14.491 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion: 75 Resp: 11937  
Ion Ratio Lower Upper  
75 100  
155 79.0 36.8 110.3  
157 103.4 48.4 145.0

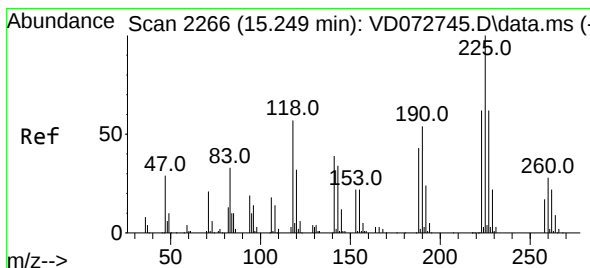
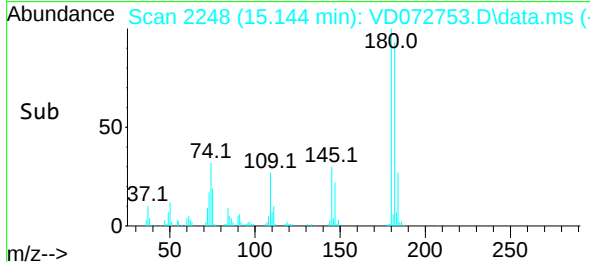
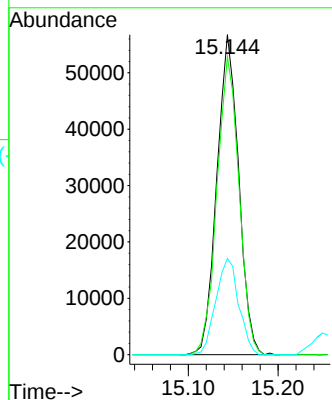
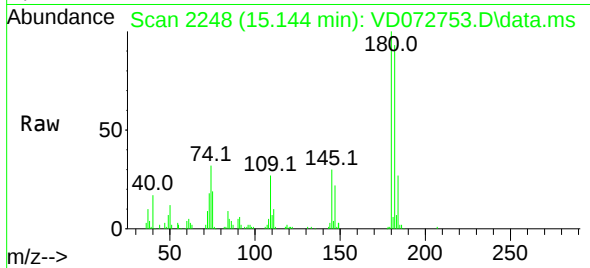




#93  
1,2,4-Trichlorobenzene  
Concen: 20.450 ug/l  
RT: 15.144 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

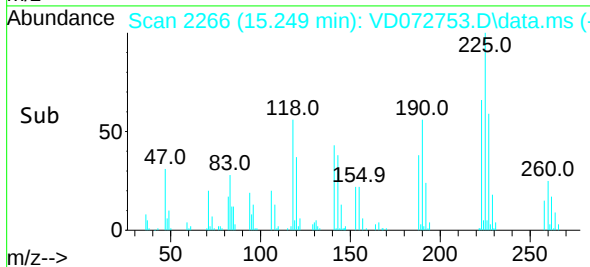
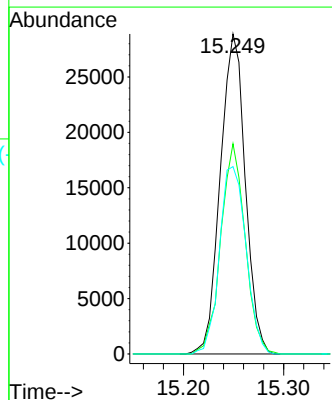
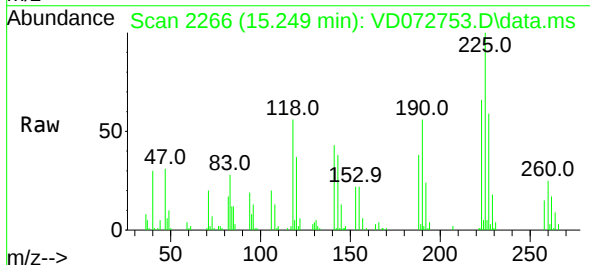
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

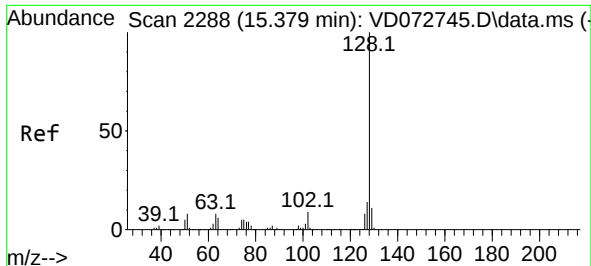
Tgt Ion:180 Resp: 95596  
Ion Ratio Lower Upper  
180 100  
182 94.3 47.3 142.0  
145 31.6 16.2 48.5



#94  
Hexachlorobutadiene  
Concen: 19.563 ug/l  
RT: 15.249 min Scan# 2266  
Delta R.T. 0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:225 Resp: 49944  
Ion Ratio Lower Upper  
225 100  
223 64.1 31.1 93.2  
227 62.3 32.4 97.0

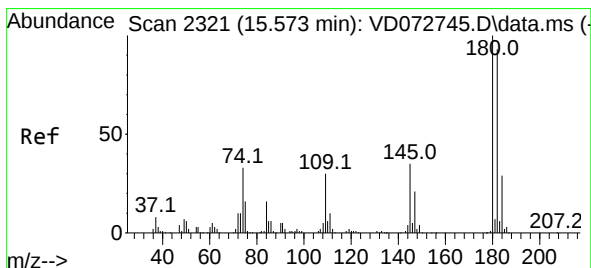
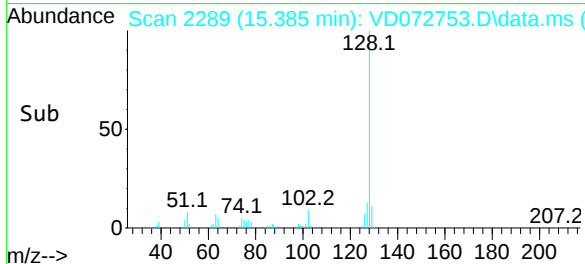
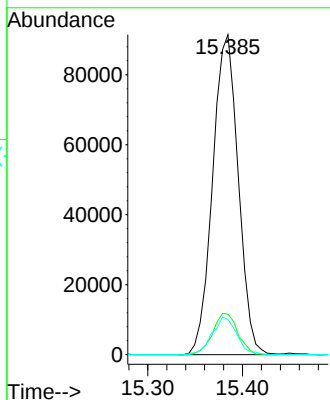
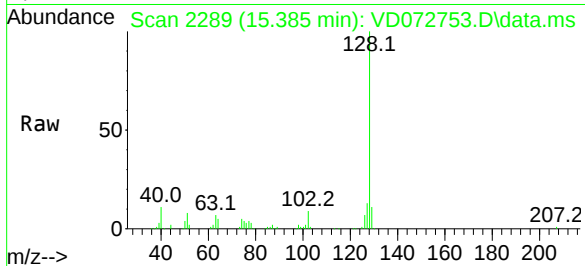




#95  
Naphthalene  
Concen: 20.007 ug/l  
RT: 15.385 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0502SBSD01

Tgt Ion:128 Resp: 171953  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.3 15.5  
129 11.3 8.4 12.6



#96  
1,2,3-Trichlorobenzene  
Concen: 20.231 ug/l  
RT: 15.573 min Scan# 2321  
Delta R.T. -0.000 min  
Lab File: VD072753.D  
Acq: 02 May 2022 18:34

Tgt Ion:180 Resp: 83836  
Ion Ratio Lower Upper  
180 100  
182 95.0 47.6 142.9  
145 35.0 17.1 51.3

