

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD052122\  
 Data File : VD073253.D  
 Acq On : 22 May 2022 04:07  
 Operator : VA/SY  
 Sample : VD0521SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBS02

Quant Time: May 22 04:22:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                        |           |       |          |          |        |          |
| Internal Standards           |           |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.973     | 168   | 295780   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.855     | 114   | 537137   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638    | 117   | 525051   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.561    | 152   | 243814   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.326     | 65    | 182146   | 55.723   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 50 - 163 | Recovery | =      | 111.440% |
| 35) Dibromofluoromethane     | 7.908     | 113   | 187648   | 52.942   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 54 - 147 | Recovery | =      | 105.880% |
| 50) Toluene-d8               | 10.332    | 98    | 679018   | 51.970   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 49 - 140 | Recovery | =      | 103.940% |
| 62) 4-Bromofluorobenzene     | 12.620    | 95    | 236540   | 51.588   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 25 - 144 | Recovery | =      | 103.180% |
| Target Compounds             |           |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.991     | 85    | 59582    | 20.160   | ug/l   | 95       |
| 3) Chloromethane             | 2.209     | 50    | 64850    | 19.405   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.344     | 62    | 59175    | 19.364   | ug/l   | 100      |
| 5) Bromomethane              | 2.750     | 94    | 43196    | 19.594   | ug/l   | 91       |
| 6) Chloroethane              | 2.909     | 64    | 39403    | 20.974   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.268     | 101   | 108003   | 19.987   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.709     | 74    | 32486    | 21.878   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.085     | 101   | 63215    | 19.607   | ug/l   | 94       |
| 10) Methyl Iodide            | 4.291     | 142   | 66351    | 19.075   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.214     | 59    | 36433    | 71.838   | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 4.062     | 96    | 57781    | 19.439   | ug/l   | 89       |
| 13) Acrolein                 | 3.920     | 56    | 23175    | 105.450  | ug/l   | 98       |
| 14) Allyl chloride           | 4.709     | 41    | 93883    | 19.567   | ug/l   | 91       |
| 15) Acrylonitrile            | 5.414     | 53    | 77174    | 113.662  | ug/l   | 99       |
| 16) Acetone                  | 4.150     | 43    | 57909    | 102.279  | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.397     | 76    | 186701   | 18.947   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.715     | 43    | 40729    | 25.870   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.479     | 73    | 146694   | 21.662   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.956     | 84    | 87077    | 22.012   | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.467     | 96    | 75979    | 21.140   | ug/l   | 82       |
| 22) Diisopropyl ether        | 6.361     | 45    | 219325   | 21.806   | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.303     | 43    | 556816   | 103.785  | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.256     | 63    | 137747   | 21.336   | ug/l   | 98       |
| 25) 2-Butanone               | 7.203     | 43    | 90603    | 109.377  | ug/l # | 90       |
| 26) 2,2-Dichloropropane      | 7.197     | 77    | 87464    | 15.886   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.203     | 96    | 82630    | 20.778   | ug/l   | 92       |
| 28) Bromochloromethane       | 7.538     | 49    | 44892    | 20.183   | ug/l # | 82       |
| 29) Tetrahydrofuran          | 7.561     | 42    | 61056    | 113.990  | ug/l   | 96       |
| 30) Chloroform               | 7.703     | 83    | 145825   | 21.635   | ug/l   | 99       |
| 31) Cyclohexane              | 7.979     | 56    | 104424   | 18.281   | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 7.897     | 97    | 122229   | 20.734   | ug/l   | 95       |
| 36) 1,1-Dichloropropene      | 8.103     | 75    | 100351   | 18.825   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.285     | 43    | 46107    | 21.897   | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 8.091     | 117   | 103212   | 19.101   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.350     | 83    | 101690   | 17.117   | ug/l   | 97       |
| 40) Benzene                  | 8.344     | 78    | 302375   | 19.682   | ug/l   | 96       |

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 Sample : VD0521SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBS02

Quant Time: May 22 04:22:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 19 15:13:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.508  | 41   | 24236    | 19.756  | ug/l # | 88       |
| 42) 1,2-Dichloroethane        | 8.414  | 62   | 89294    | 20.889  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 80058    | 20.570  | ug/l # | 93       |
| 44) Trichloroethene           | 9.103  | 130  | 79026    | 19.290  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.379  | 63   | 79113    | 20.448  | ug/l   | 92       |
| 46) Dibromomethane            | 9.467  | 93   | 43035    | 20.252  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.655  | 83   | 111654   | 20.536  | ug/l # | 96       |
| 48) Methyl methacrylate       | 9.450  | 41   | 39171    | 20.005  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 9279     | 422.843 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 220631   | 109.149 | ug/l   | 97       |
| 52) Toluene                   | 10.397 | 92   | 195362   | 20.123  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.608 | 75   | 94715    | 19.283  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.079 | 75   | 112594   | 19.155  | ug/l # | 87       |
| 55) 1,1,2-Trichloroethane     | 10.791 | 97   | 62974    | 21.916  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.650 | 69   | 66317    | 20.757  | ug/l   | 86       |
| 57) 1,3-Dichloropropane       | 10.938 | 76   | 99717    | 20.682  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.932  | 63   | 138236   | 104.816 | ug/l   | 98       |
| 59) 2-Hexanone                | 10.973 | 43   | 142396   | 106.850 | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.126 | 129  | 74557    | 20.808  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 56698    | 20.649  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.867 | 164  | 65162    | 18.948  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.661 | 112  | 206290   | 19.152  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.732 | 131  | 80045    | 20.038  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.738 | 91   | 349987   | 18.509  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.844 | 106  | 282671   | 38.478  | ug/l   | 95       |
| 69) o-Xylene                  | 12.173 | 106  | 127038   | 18.824  | ug/l   | 98       |
| 70) Styrene                   | 12.185 | 104  | 227709   | 19.612  | ug/l   | 97       |
| 71) Bromoform                 | 12.349 | 173  | 44273    | 21.534  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.467 | 105  | 332203   | 19.113  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 76757    | 20.243  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 69948    | 21.820  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 83519    | 34.913  | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 84620    | 20.682  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.808 | 91   | 417147   | 19.117  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.896 | 91   | 249223   | 19.781  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 289077   | 19.633  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.514 | 75   | 18507    | 18.572  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 12.991 | 91   | 265205   | 20.082  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.208 | 119  | 230488   | 18.574  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.255 | 105  | 293929   | 20.207  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 362592   | 19.137  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.502 | 119  | 289493   | 18.743  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.502 | 146  | 169119   | 20.506  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 165008   | 19.821  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.826 | 91   | 267254   | 18.160  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 63603    | 19.901  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.873 | 146  | 147282   | 20.640  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.485 | 75   | 11072    | 22.554  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.143 | 180  | 78374    | 19.346  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 42948    | 18.813  | ug/l   | 99       |
| 95) Naphthalene               | 15.379 | 128  | 142929   | 20.187  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.573 | 180  | 69829    | 19.443  | ug/l   | 99       |

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Operator : VA/SY  
Sample : VD0521SBSD02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 32 Sample Multiplier: 1

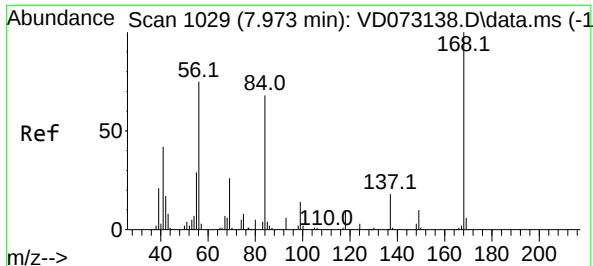
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

Quant Time: May 22 04:22:02 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051922S.M  
Quant Title : SW846 8260  
QLast Update : Thu May 19 15:13:42 2022  
Response via : Initial Calibration

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

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

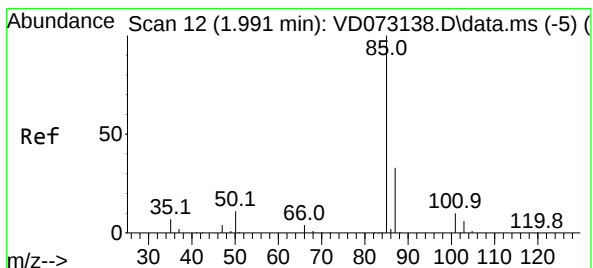
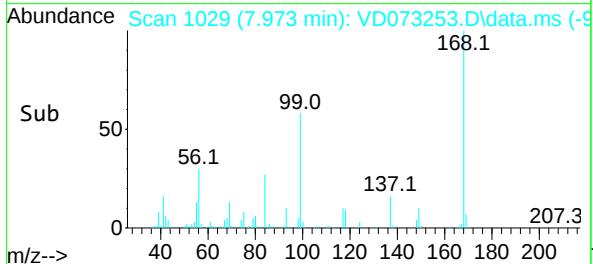
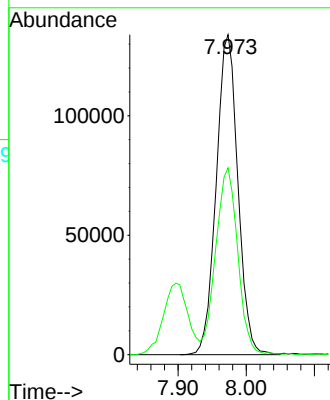
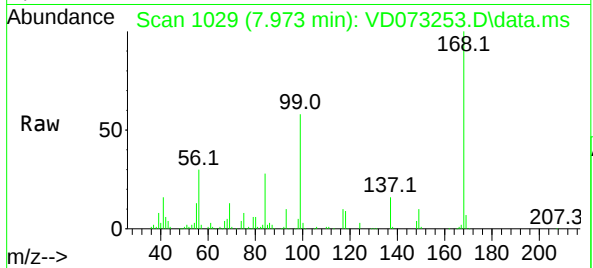




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

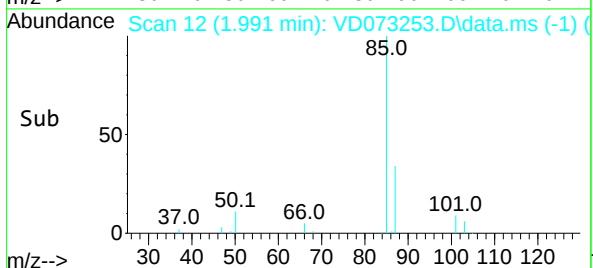
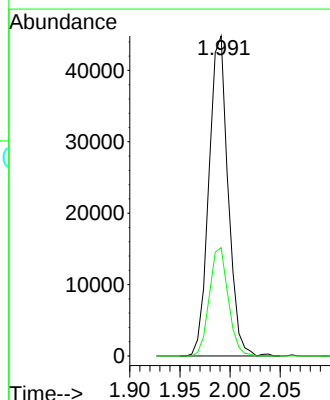
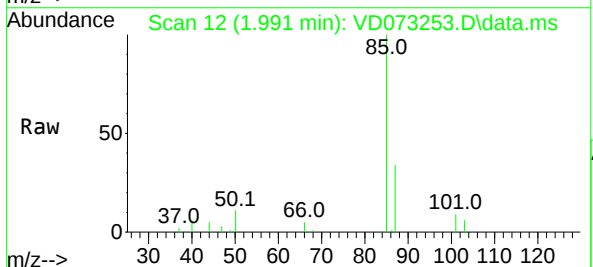
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

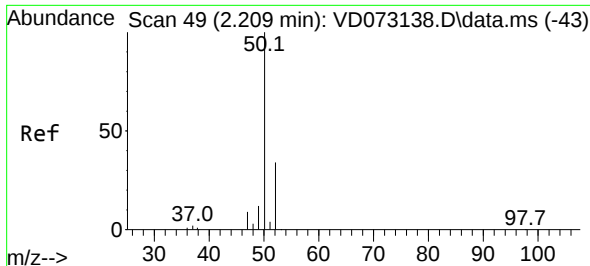
Tgt Ion:168 Resp: 295780  
Ion Ratio Lower Upper  
168 100  
99 58.2 49.8 74.6



#2  
Dichlorodifluoromethane  
Concen: 20.160 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 85 Resp: 59582  
Ion Ratio Lower Upper  
85 100  
87 33.8 15.7 47.0

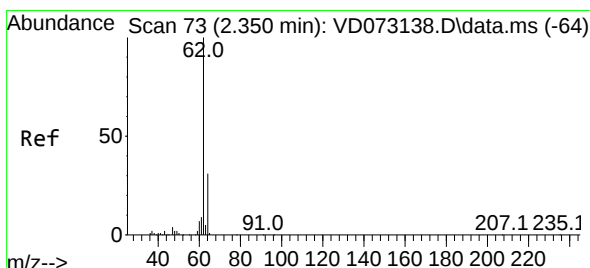
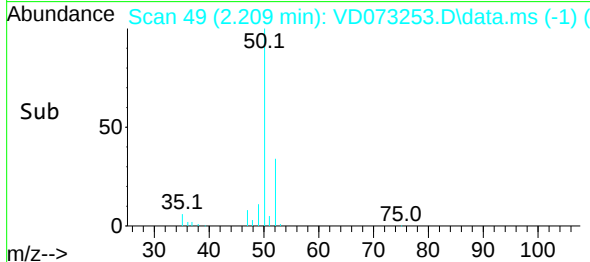
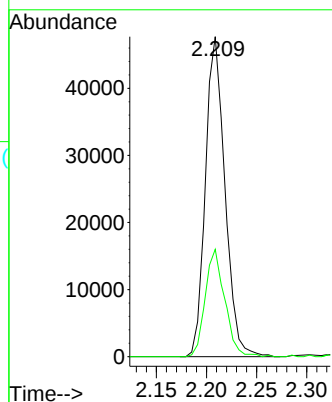
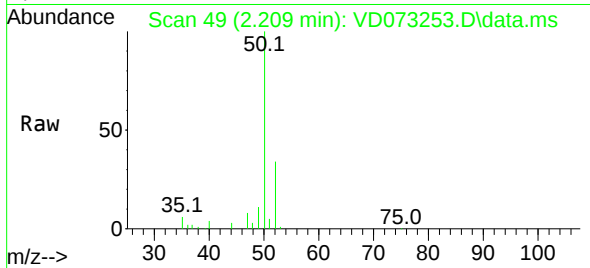




#3  
Chloromethane  
Concen: 19.405 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

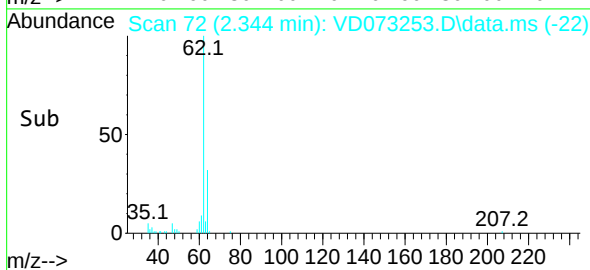
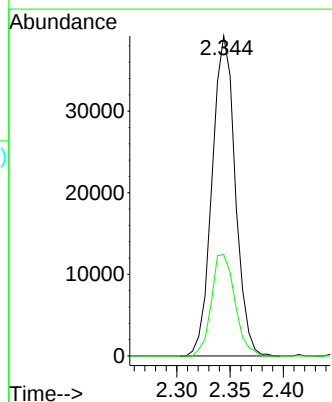
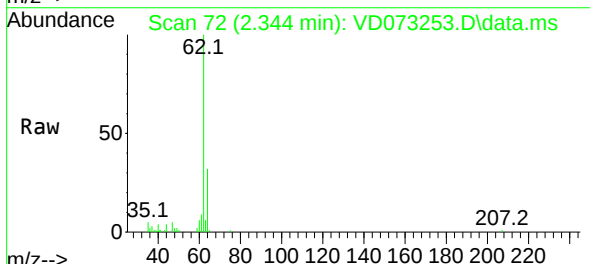
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

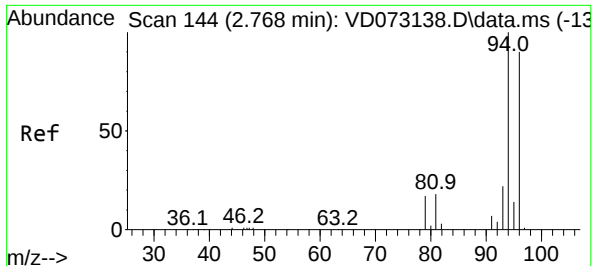
Tgt Ion: 50 Resp: 64850  
Ion Ratio Lower Upper  
50 100  
52 33.6 27.4 41.0



#4  
Vinyl Chloride  
Concen: 19.364 ug/l  
RT: 2.344 min Scan# 72  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 62 Resp: 59175  
Ion Ratio Lower Upper  
62 100  
64 31.7 25.4 38.0

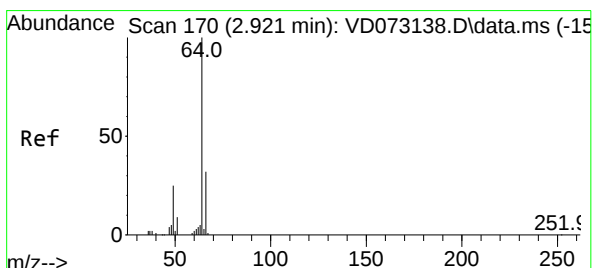
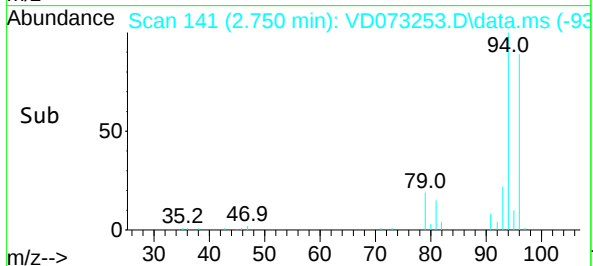
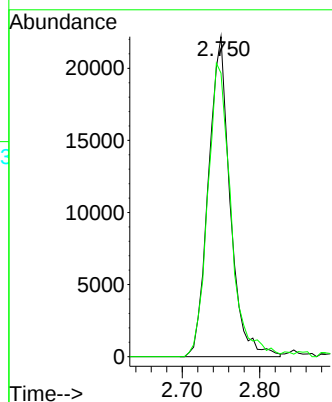
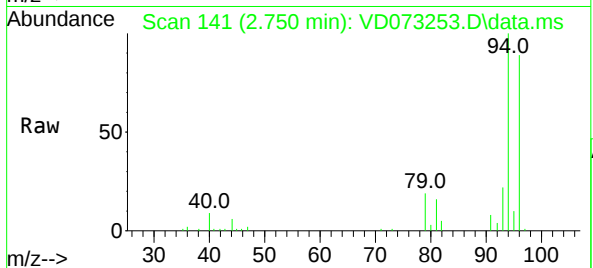




#5  
Bromomethane  
Concen: 19.594 ug/l  
RT: 2.750 min Scan# 144  
Delta R.T. -0.018 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

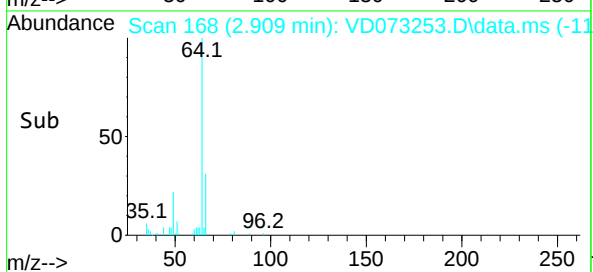
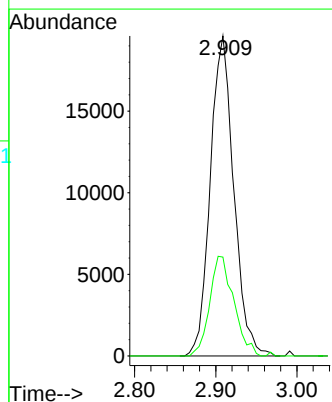
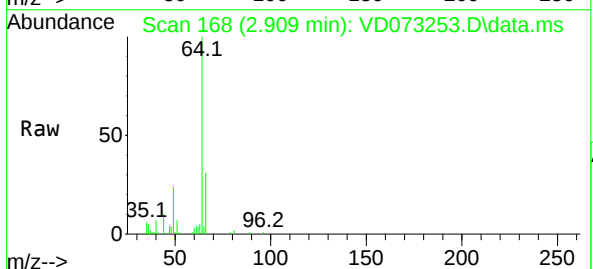
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

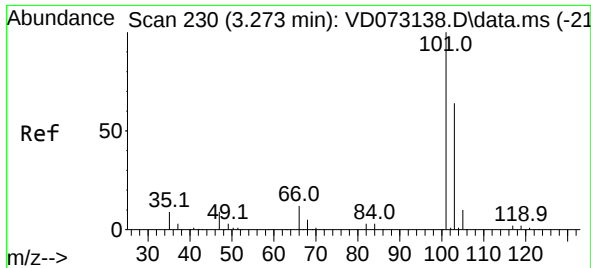
Tgt Ion: 94 Resp: 43196  
Ion Ratio Lower Upper  
94 100  
96 88.6 77.6 116.4



#6  
Chloroethane  
Concen: 20.974 ug/l  
RT: 2.909 min Scan# 168  
Delta R.T. -0.012 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 64 Resp: 39403  
Ion Ratio Lower Upper  
64 100  
66 30.9 25.9 38.9

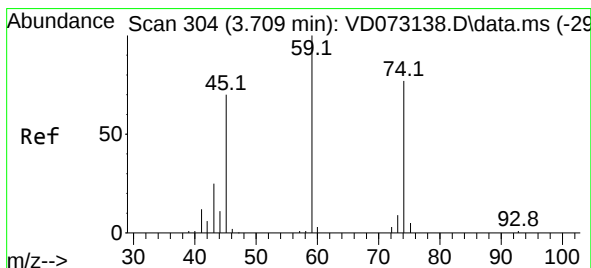
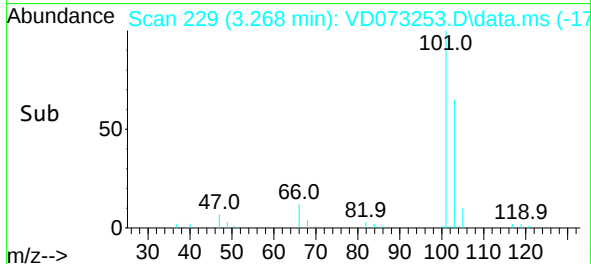
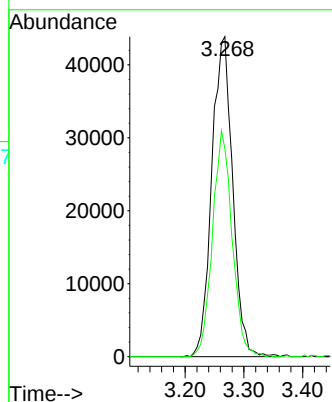
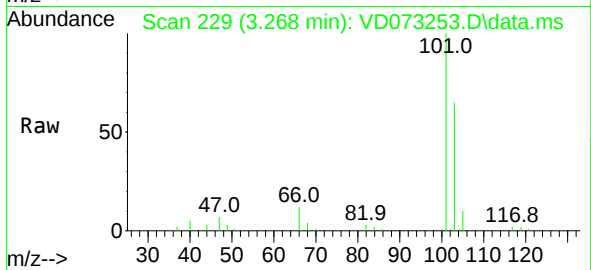




#7  
 Trichlorofluoromethane  
 Concen: 19.987 ug/l  
 RT: 3.268 min Scan# 21  
 Delta R.T. -0.005 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

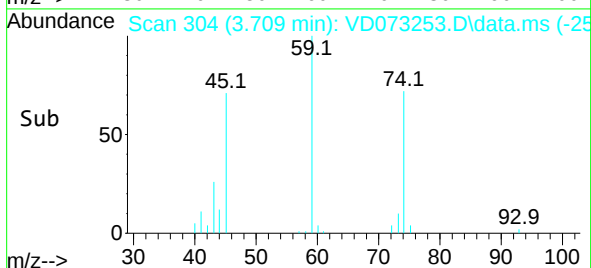
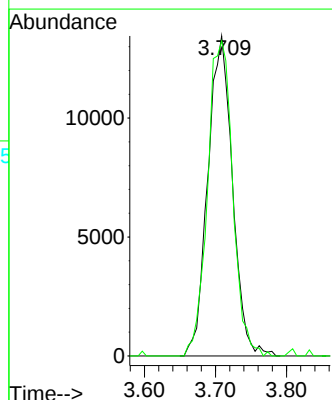
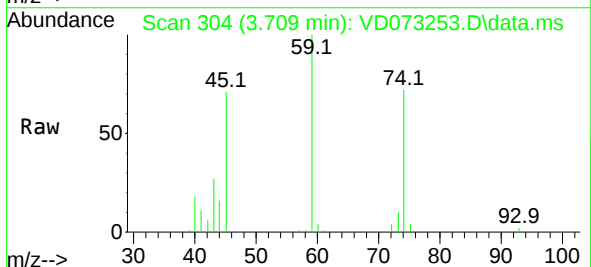
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

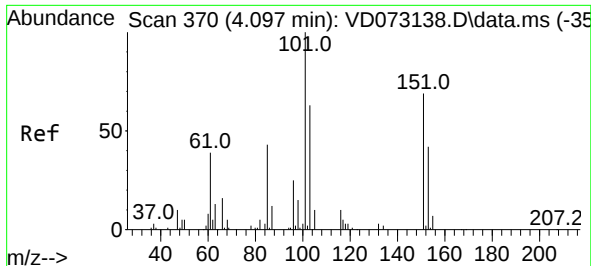
Tgt Ion:101 Resp: 108003  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 50.1 75.1



#8  
 Diethyl Ether  
 Concen: 21.878 ug/l  
 RT: 3.709 min Scan# 304  
 Delta R.T. -0.000 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion: 74 Resp: 32486  
 Ion Ratio Lower Upper  
 74 100  
 45 100.3 52.6 157.8

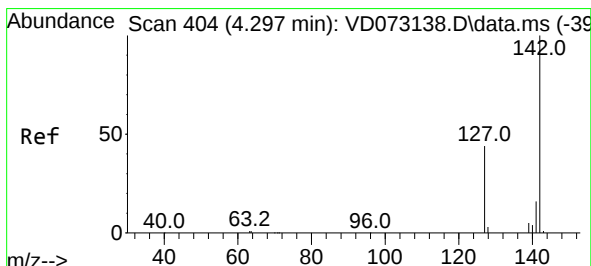
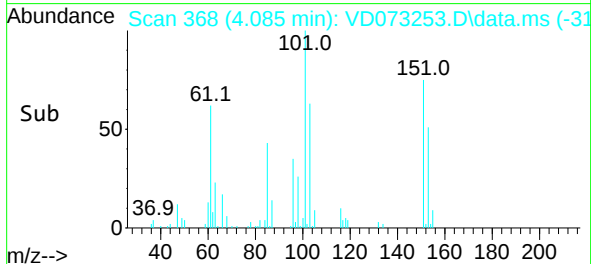
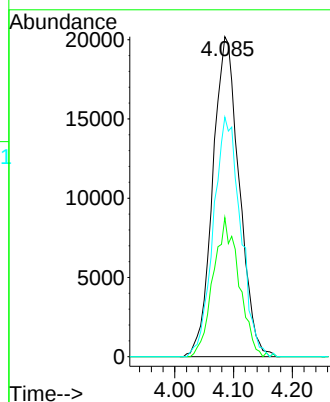
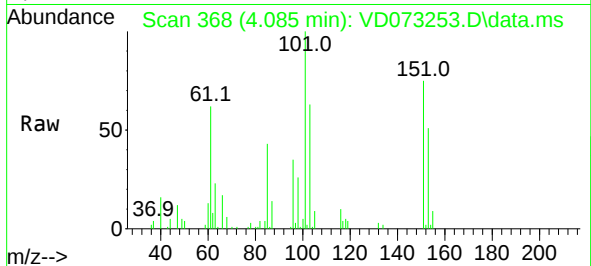




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 19.607 ug/l  
RT: 4.085 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

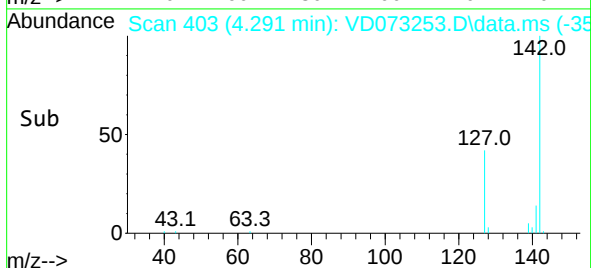
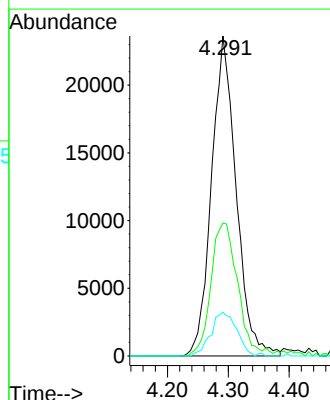
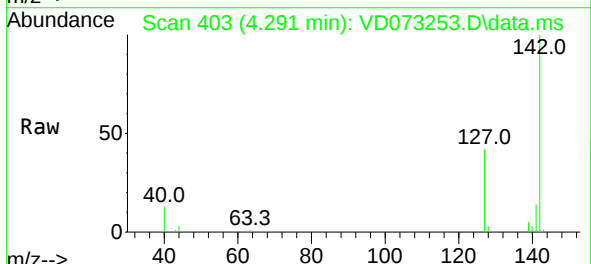
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

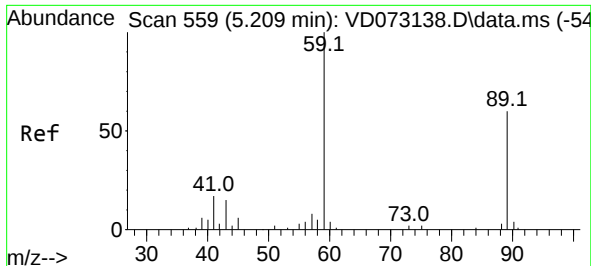
Tgt Ion:101 Resp: 63215  
Ion Ratio Lower Upper  
101 100  
85 42.3 36.4 54.6  
151 77.0 57.3 85.9



#10  
Methyl Iodide  
Concen: 19.075 ug/l  
RT: 4.291 min Scan# 403  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion:142 Resp: 66351  
Ion Ratio Lower Upper  
142 100  
127 45.1 37.3 55.9  
141 14.3 11.7 17.5





#11

Tert butyl alcohol

Concen: 71.838 ug/l

RT: 5.214 min Scan# 5

Delta R.T. 0.005 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

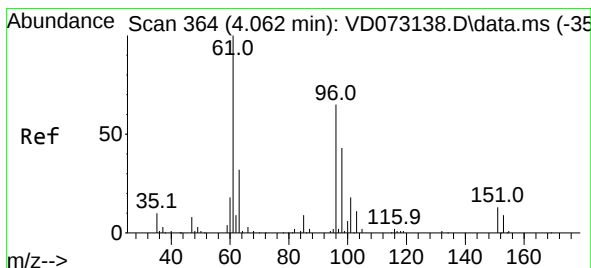
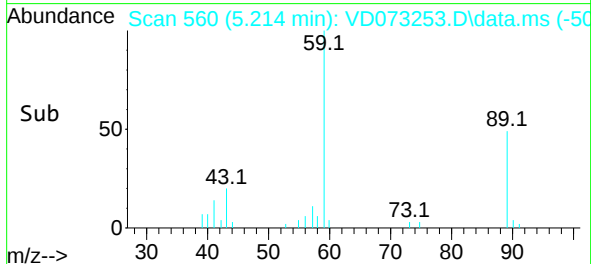
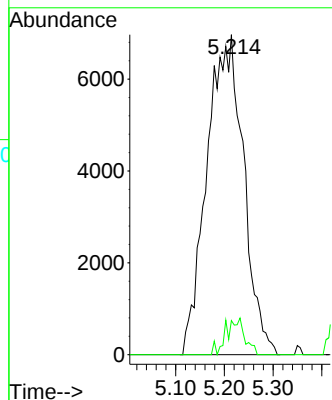
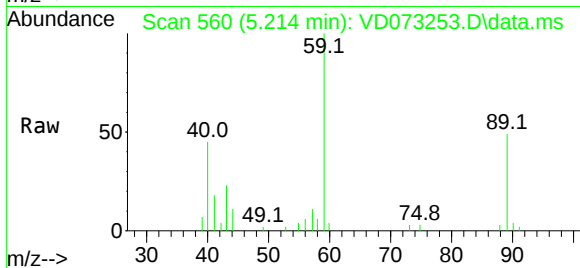
VD0521SBS02

Tgt Ion: 59 Resp: 36433

Ion Ratio Lower Upper

59 100

57 5.5 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 19.439 ug/l

RT: 4.062 min Scan# 364

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

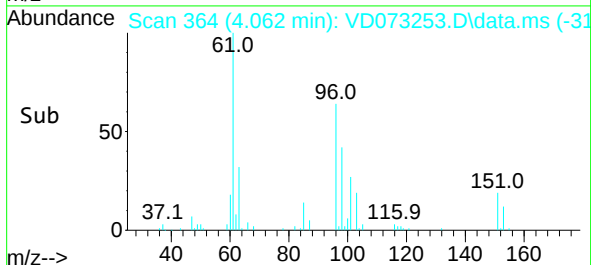
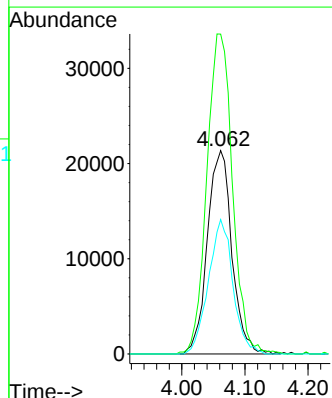
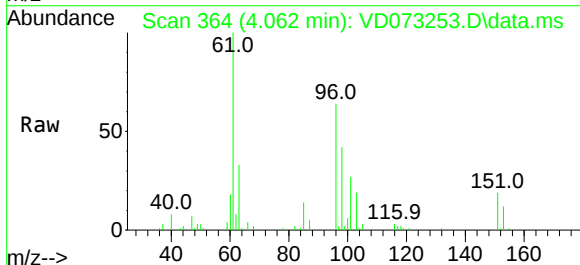
Tgt Ion: 96 Resp: 57781

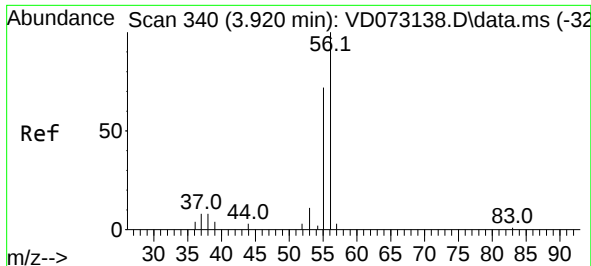
Ion Ratio Lower Upper

96 100

61 156.5 138.5 207.7

98 66.1 48.6 73.0

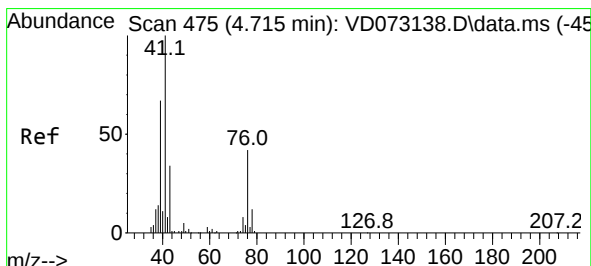
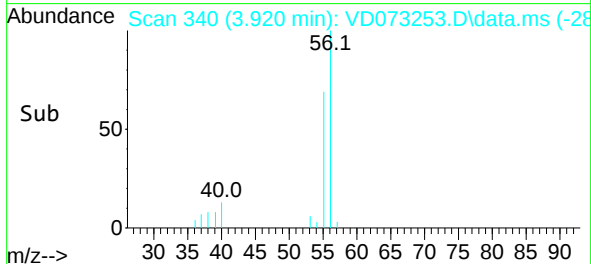
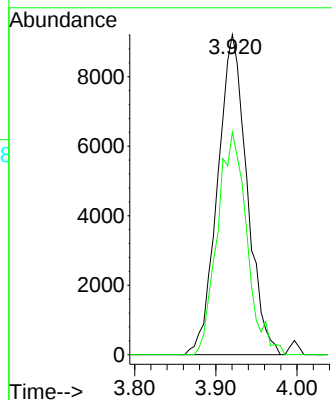
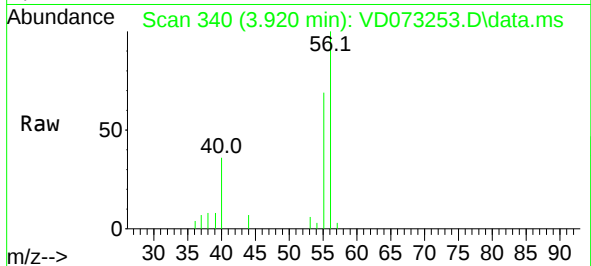




#13  
Acrolein  
Concen: 105.450 ug/l  
RT: 3.920 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

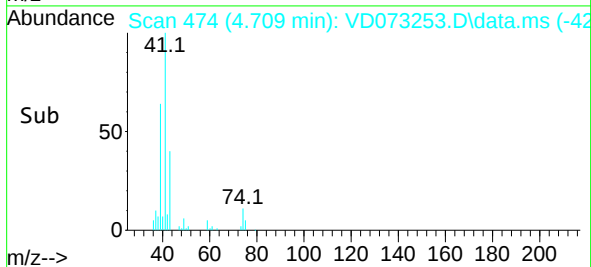
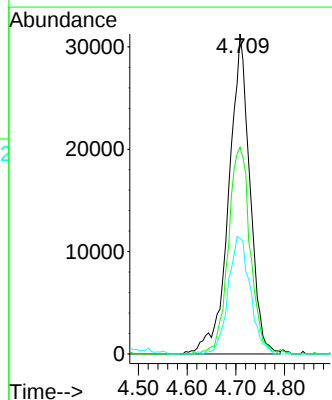
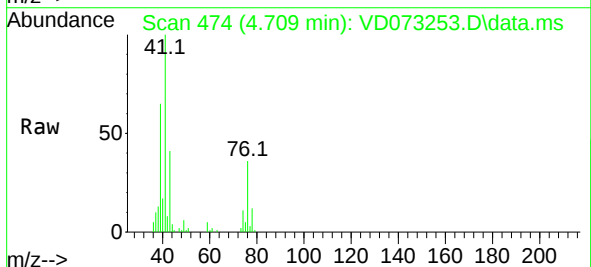
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

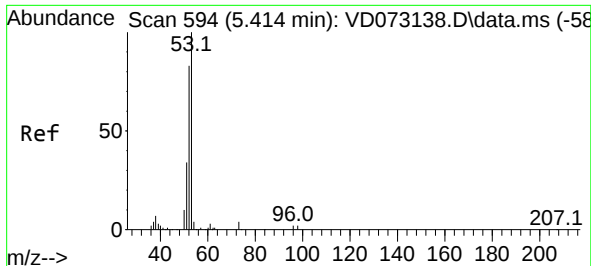
Tgt Ion: 56 Resp: 23175  
Ion Ratio Lower Upper  
56 100  
55 69.6 57.1 85.7



#14  
Allyl chloride  
Concen: 19.567 ug/l  
RT: 4.709 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 41 Resp: 93883  
Ion Ratio Lower Upper  
41 100  
39 67.0 59.3 88.9  
76 38.2 25.7 38.5

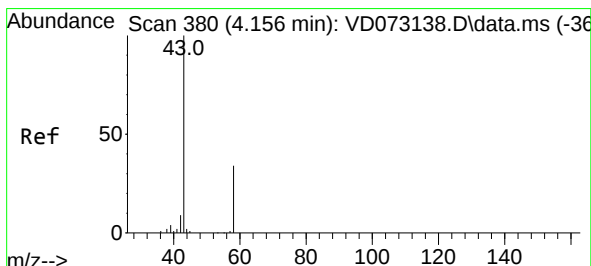
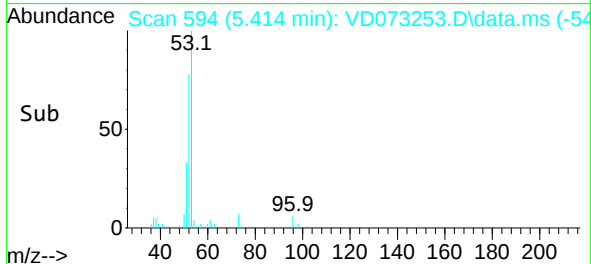
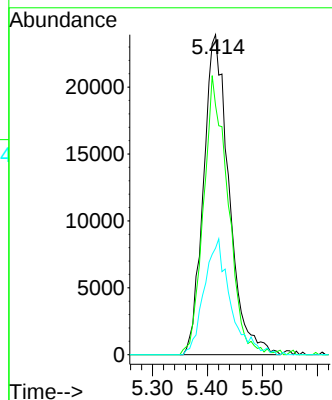
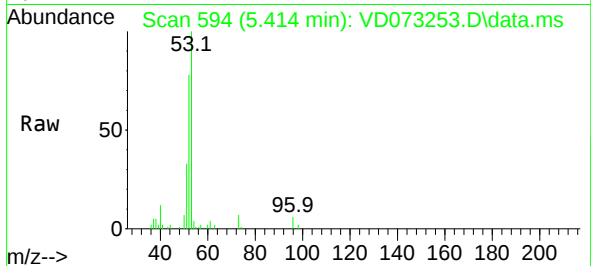




#15  
Acrylonitrile  
Concen: 113.662 ug/l  
RT: 5.414 min Scan# 594  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

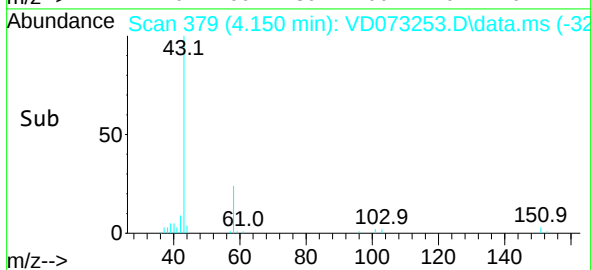
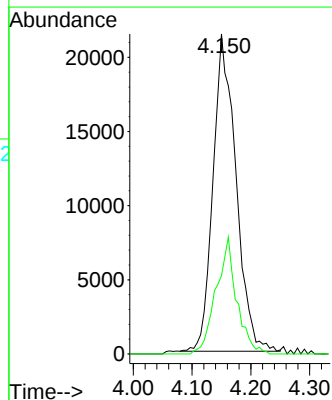
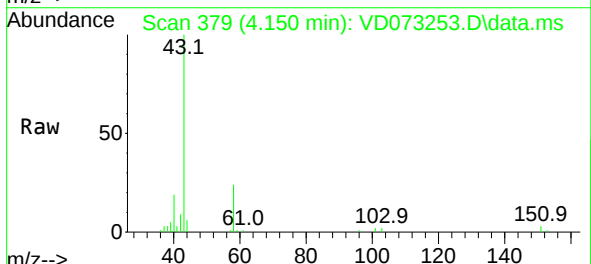
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

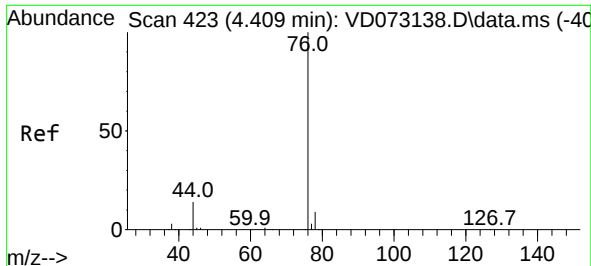
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 77174 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.5  | 67.2  | 100.8 |
| 51       | 37.1  | 30.3  | 45.5  |



#16  
Acetone  
Concen: 102.279 ug/l  
RT: 4.150 min Scan# 379  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 57909 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 24.6  | 22.1  | 33.1  |

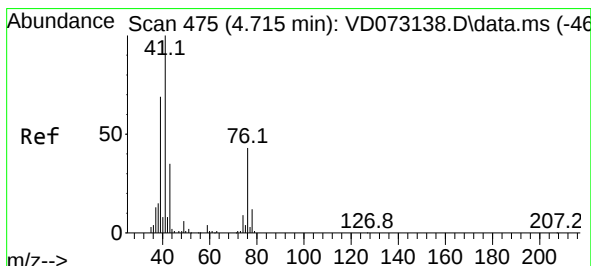
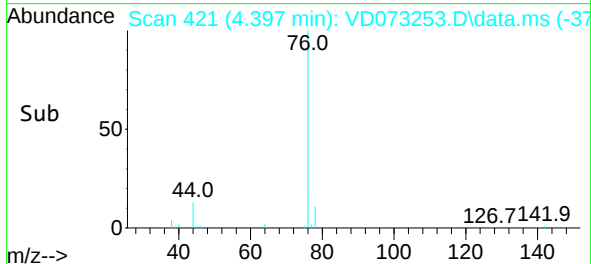
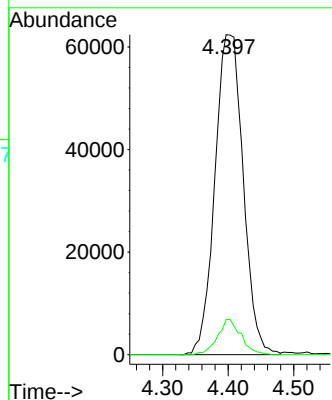
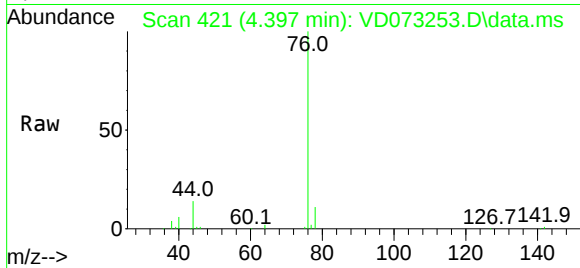




#17  
Carbon Disulfide  
Concen: 18.947 ug/l  
RT: 4.397 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

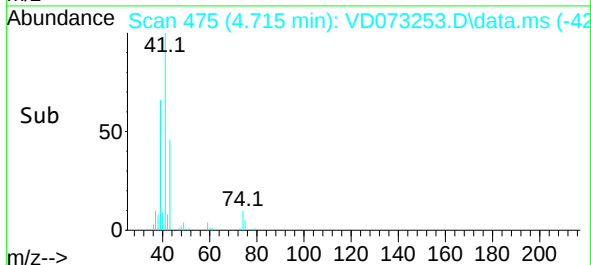
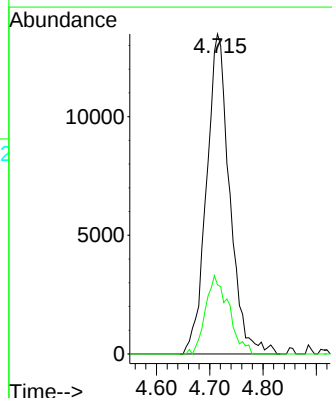
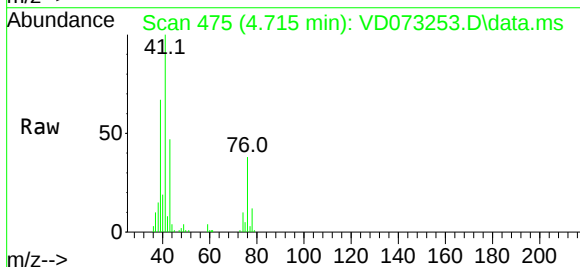
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

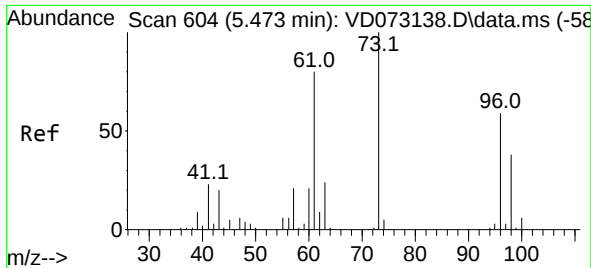
Tgt Ion: 76 Resp: 186701  
Ion Ratio Lower Upper  
76 100  
78 11.0 7.5 11.3



#18  
Methyl Acetate  
Concen: 25.870 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 43 Resp: 40729  
Ion Ratio Lower Upper  
43 100  
74 24.6 16.7 25.1

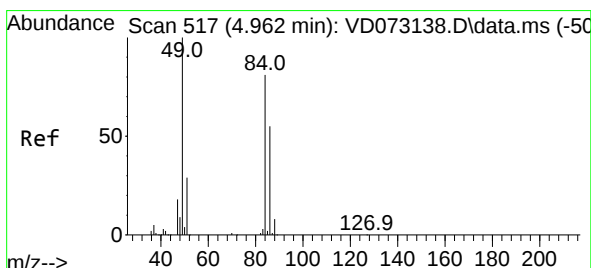
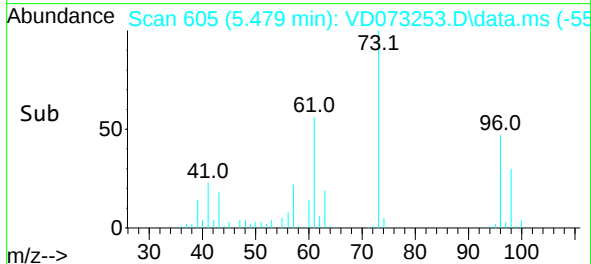
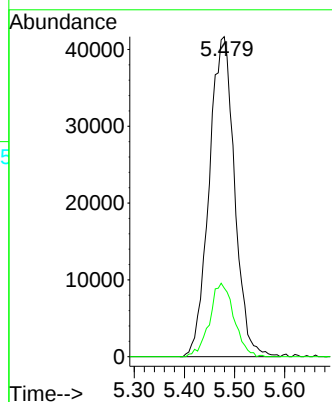
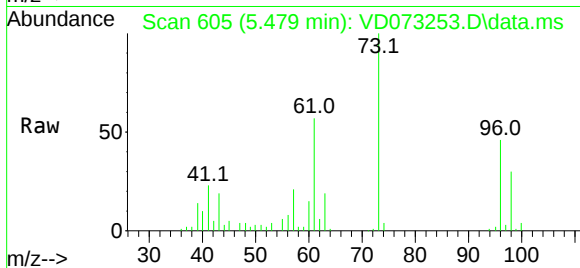




#19  
Methyl tert-butyl Ether  
Concen: 21.662 ug/l  
RT: 5.479 min Scan# 604  
Delta R.T. 0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

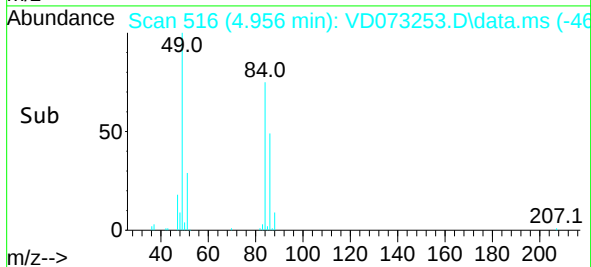
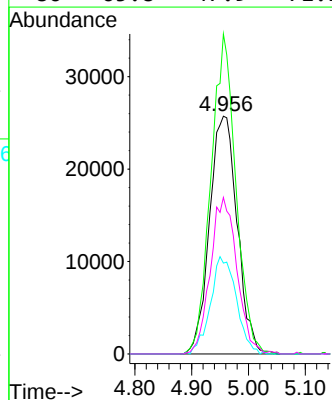
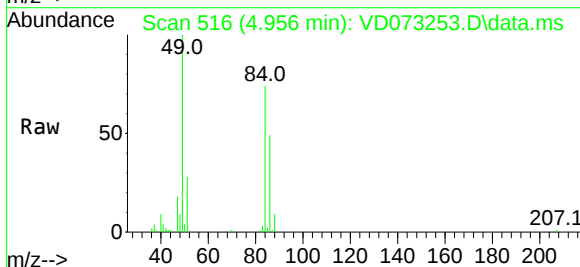
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

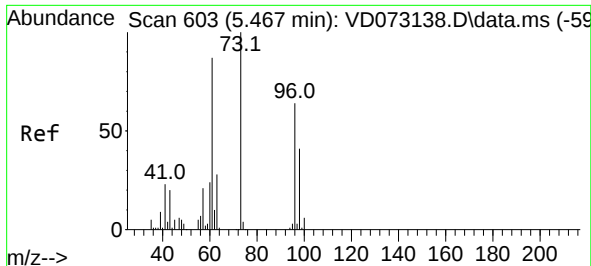
Tgt Ion: 73 Resp: 146694  
Ion Ratio Lower Upper  
73 100  
57 21.5 18.0 27.0



#20  
Methylene Chloride  
Concen: 22.012 ug/l  
RT: 4.956 min Scan# 516  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 84 Resp: 87077  
Ion Ratio Lower Upper  
84 100  
49 134.6 112.8 169.2  
51 38.3 32.6 48.8  
86 65.8 47.9 71.9

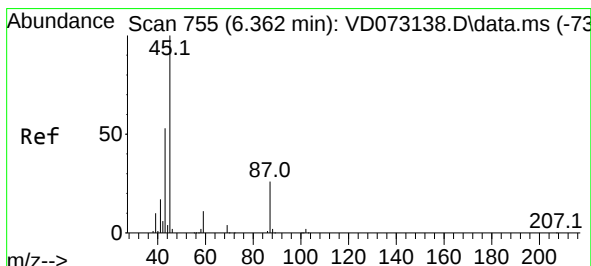
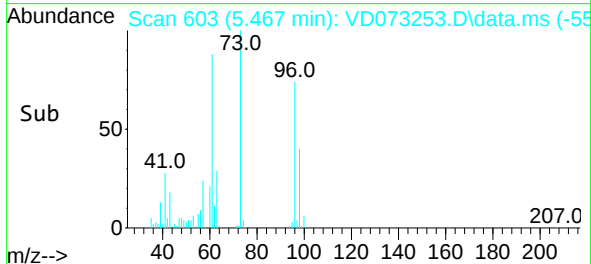
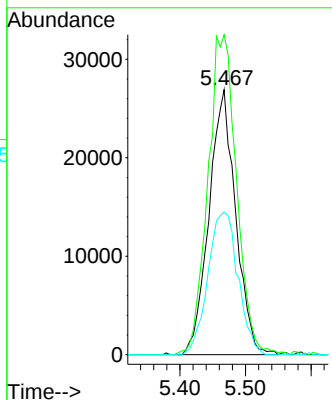
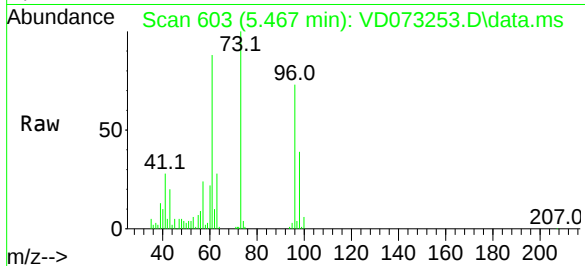




#21  
trans-1,2-Dichloroethene  
Concen: 21.140 ug/l  
RT: 5.467 min Scan# 603  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

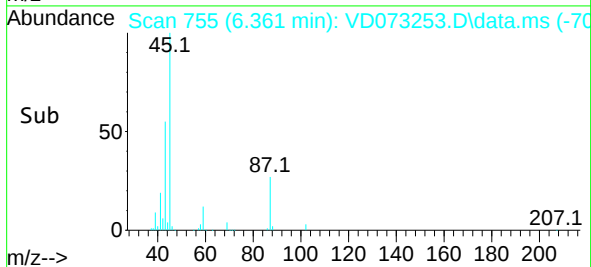
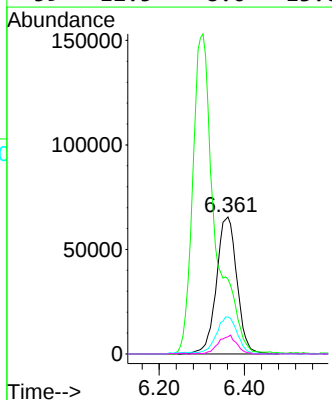
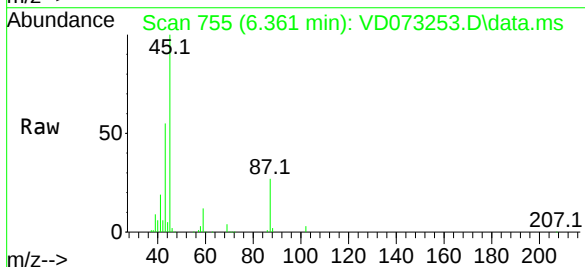
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

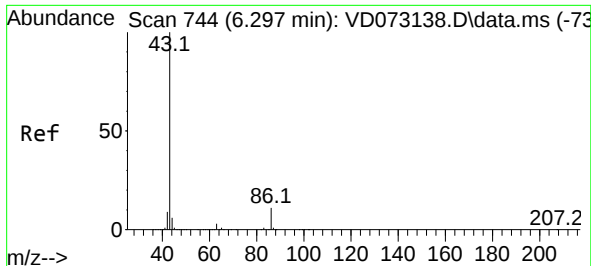
Tgt Ion: 96 Resp: 75979  
Ion Ratio Lower Upper  
96 100  
61 120.1 117.9 176.9  
98 53.9 49.4 74.2



#22  
Diisopropyl ether  
Concen: 21.806 ug/l  
RT: 6.361 min Scan# 755  
Delta R.T. -0.001 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 45 Resp: 219325  
Ion Ratio Lower Upper  
45 100  
43 53.8 46.6 70.0  
87 27.0 18.4 27.6  
59 12.5 8.6 13.0

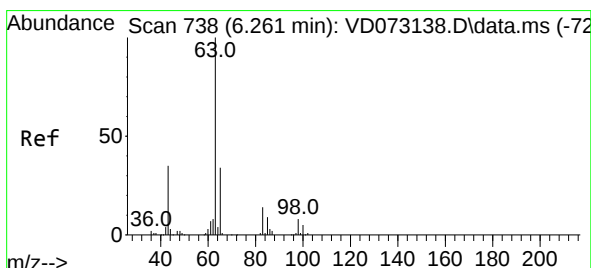
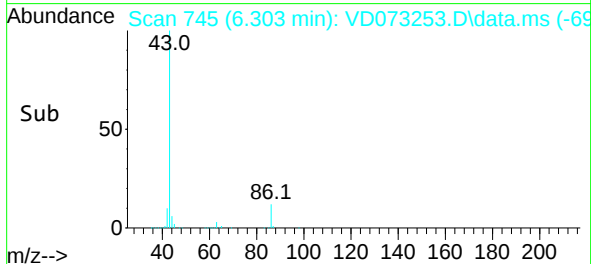
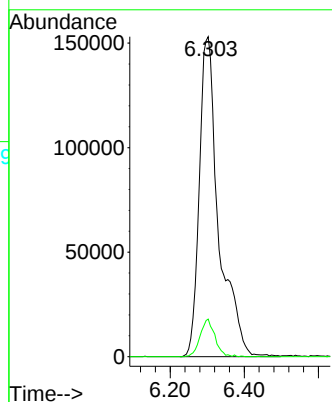
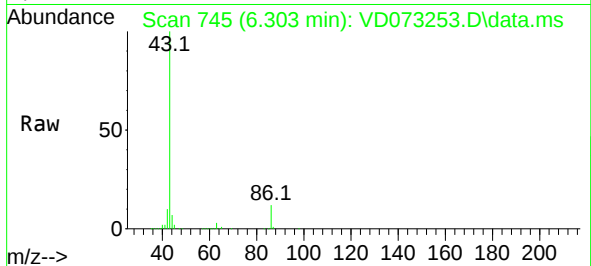




#23  
 Vinyl Acetate  
 Concen: 103.785 ug/l  
 RT: 6.303 min Scan# 744  
 Delta R.T. 0.006 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

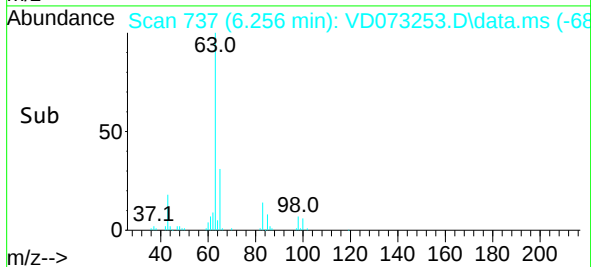
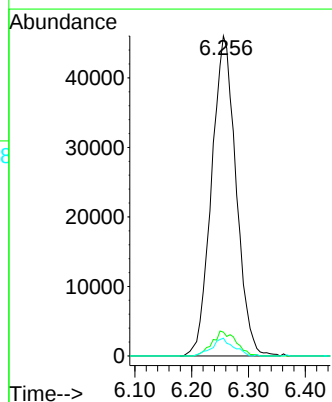
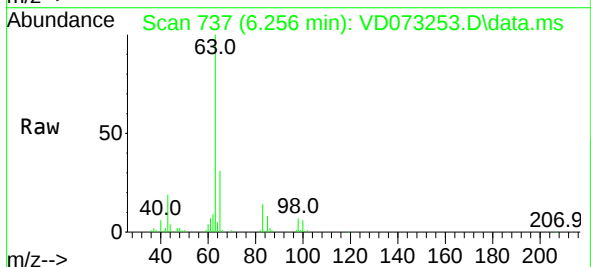
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

Tgt Ion: 43 Resp: 556816  
 Ion Ratio Lower Upper  
 43 100  
 86 11.8 7.1 10.7#



#24  
 1,1-Dichloroethane  
 Concen: 21.336 ug/l  
 RT: 6.256 min Scan# 737  
 Delta R.T. -0.005 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion: 63 Resp: 137747  
 Ion Ratio Lower Upper  
 63 100  
 98 7.5 3.6 10.9  
 100 5.6 2.1 6.5

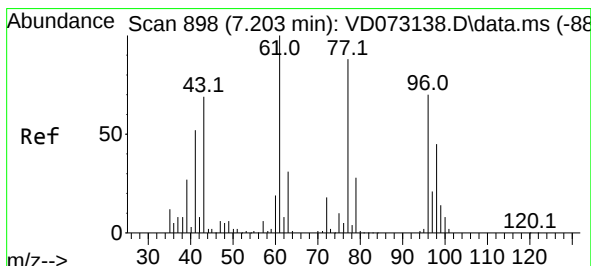
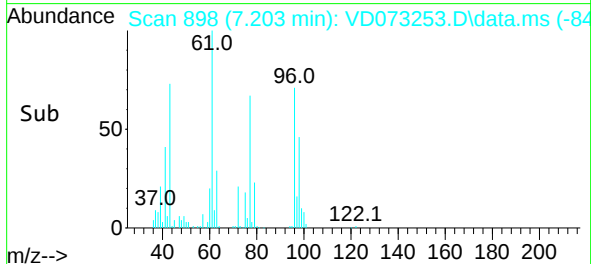
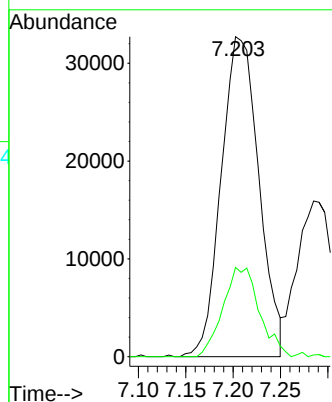
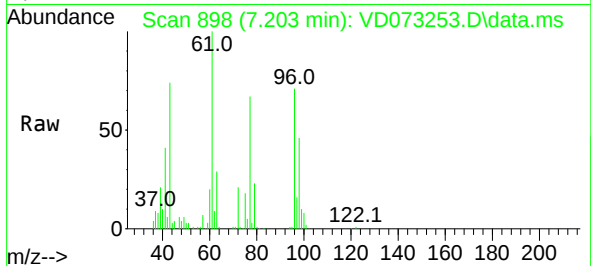




#25  
2-Butanone  
Concen: 109.377 ug/l  
RT: 7.203 min Scan# 899  
Delta R.T. -0.005 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

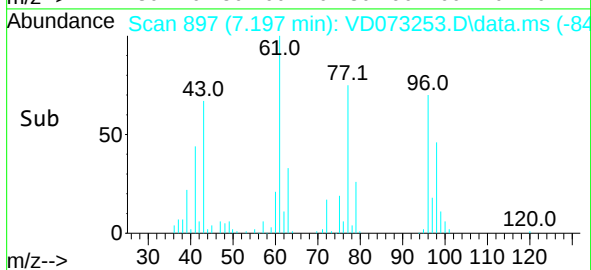
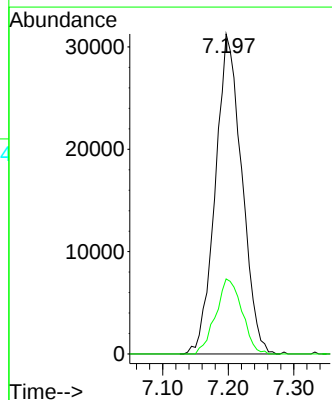
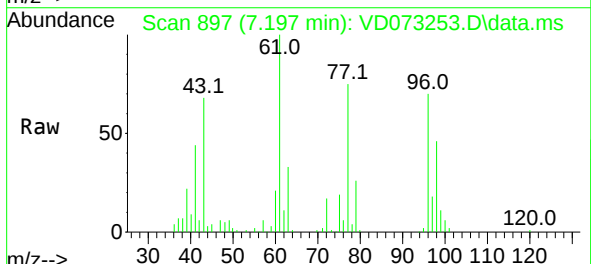
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

Tgt Ion: 43 Resp: 90603  
Ion Ratio Lower Upper  
43 100  
72 27.9 18.6 27.8#



#26  
2,2-Dichloropropane  
Concen: 15.886 ug/l  
RT: 7.197 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 77 Resp: 87464  
Ion Ratio Lower Upper  
77 100  
97 23.2 10.8 32.4

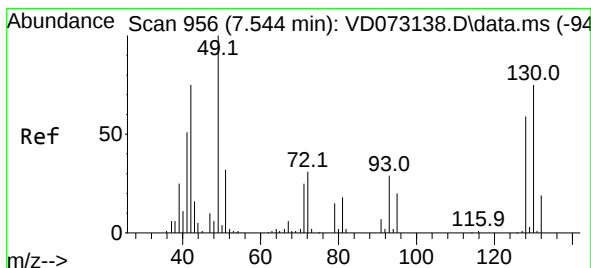
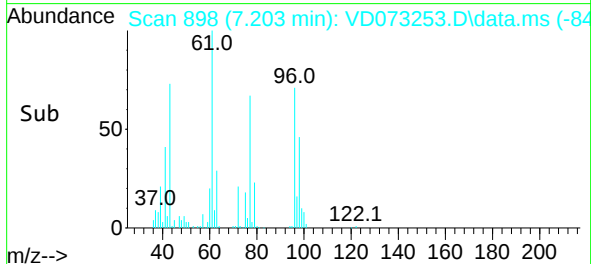
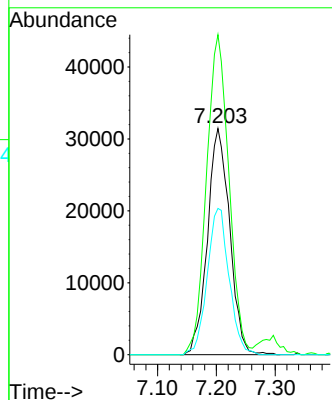
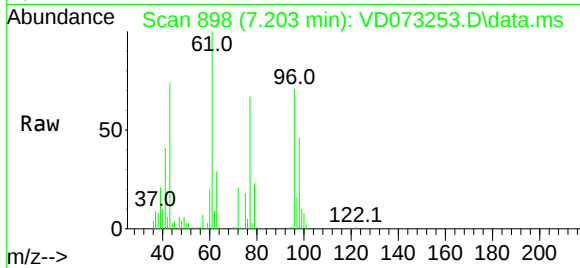




#27  
 cis-1,2-Dichloroethene  
 Concen: 20.778 ug/l  
 RT: 7.203 min Scan# 899  
 Delta R.T. -0.005 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

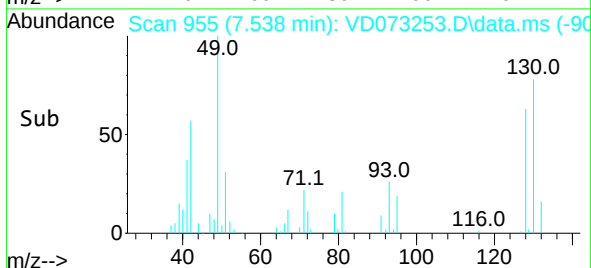
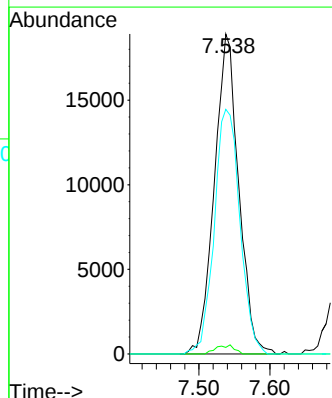
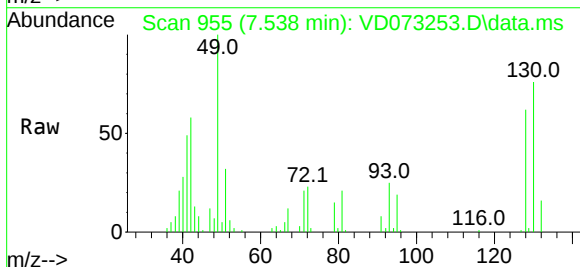
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

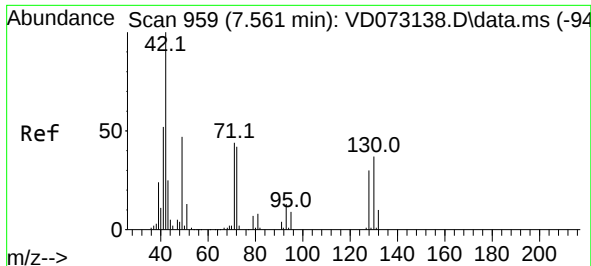
Tgt Ion: 96 Resp: 82630  
 Ion Ratio Lower Upper  
 96 100  
 61 142.6 0.0 313.8  
 98 63.6 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 20.183 ug/l  
 RT: 7.538 min Scan# 955  
 Delta R.T. -0.006 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion: 49 Resp: 44892  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 80.6 52.6 79.0#





#29

Tetrahydrofuran

Concen: 113.990 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

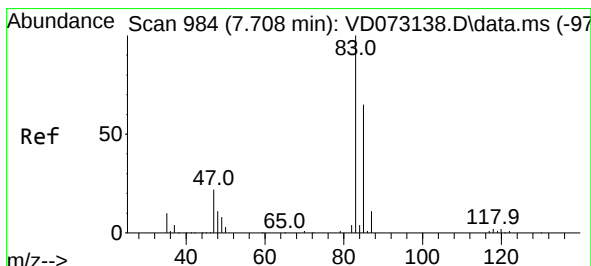
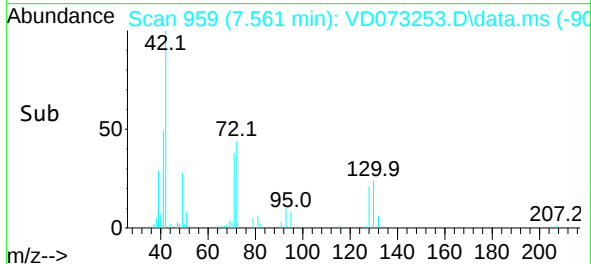
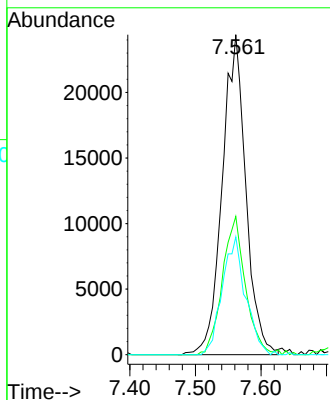
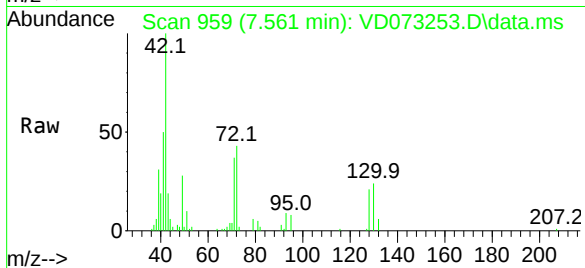
Tgt Ion: 42 Resp: 61056

Ion Ratio Lower Upper

42 100

72 42.1 30.7 46.1

71 36.4 28.6 43.0



#30

Chloroform

Concen: 21.635 ug/l

RT: 7.703 min Scan# 983

Delta R.T. -0.005 min

Lab File: VD073253.D

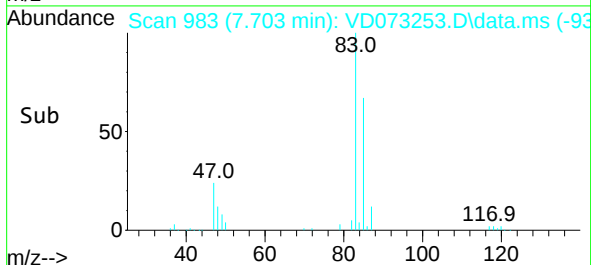
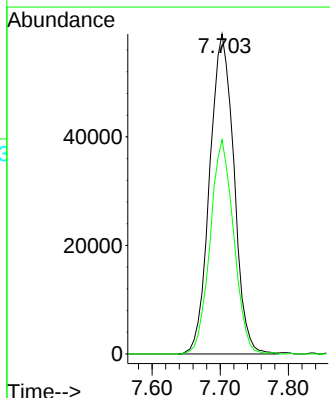
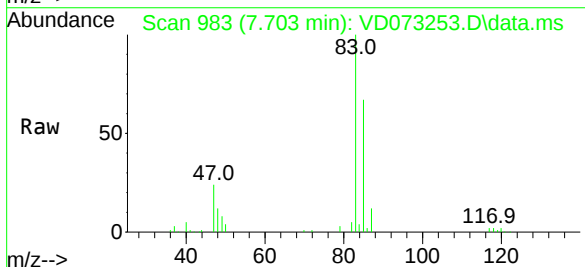
Acq: 22 May 2022 04:07

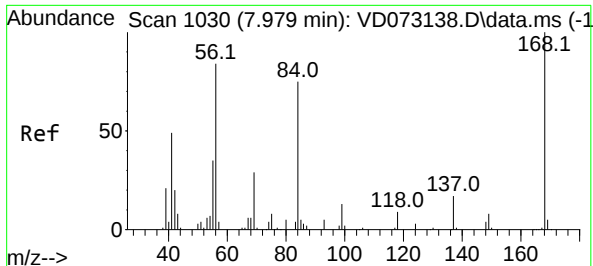
Tgt Ion: 83 Resp: 145825

Ion Ratio Lower Upper

83 100

85 67.0 52.7 79.1





#31

Cyclohexane

Concen: 18.281 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

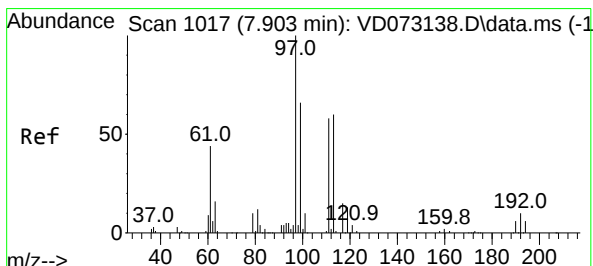
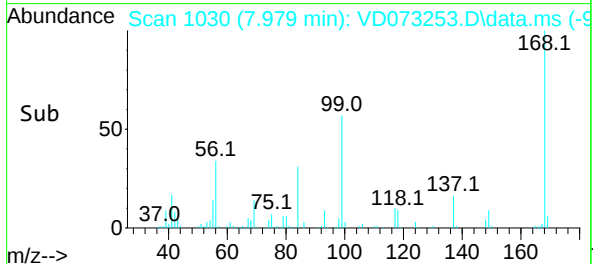
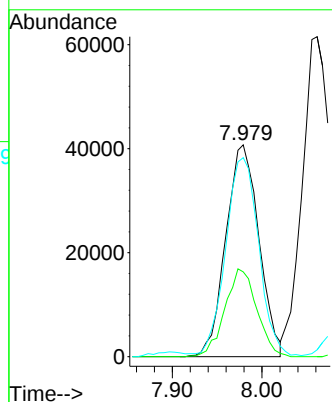
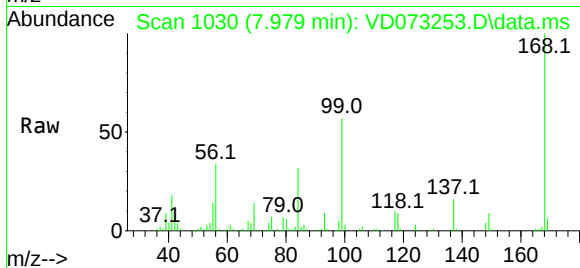
Tgt Ion: 56 Resp: 104424

Ion Ratio Lower Upper

56 100

69 40.1 25.4 38.2#

84 92.1 63.0 94.4



#32

1,1,1-Trichloroethane

Concen: 20.734 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

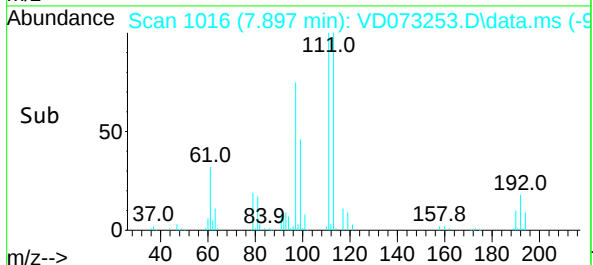
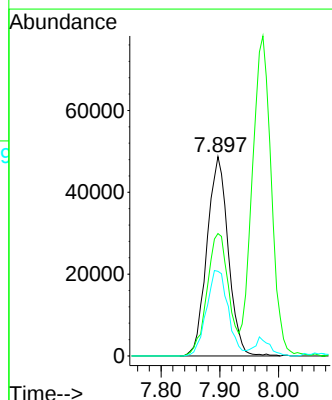
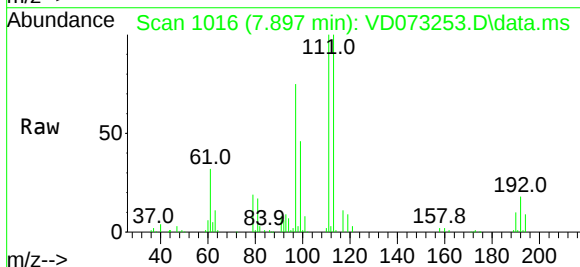
Tgt Ion: 97 Resp: 122229

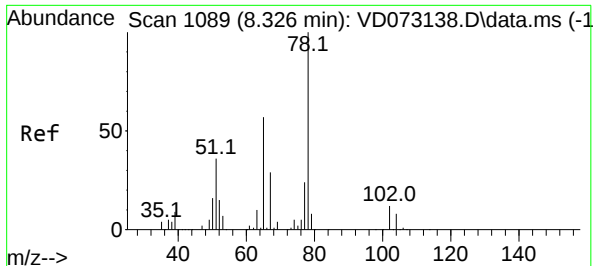
Ion Ratio Lower Upper

97 100

99 62.4 52.4 78.6

61 43.8 38.0 57.0





#33

1,2-Dichloroethane-d4

Concen: 55.723 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

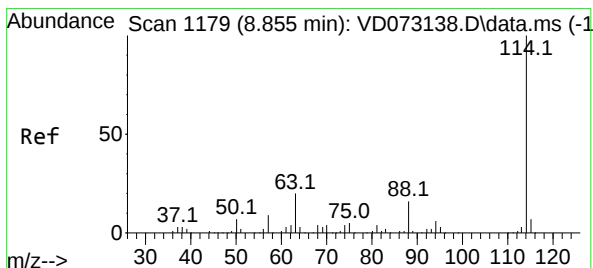
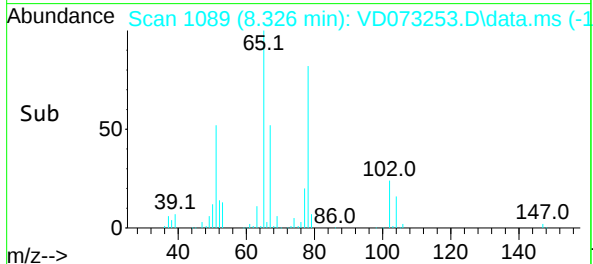
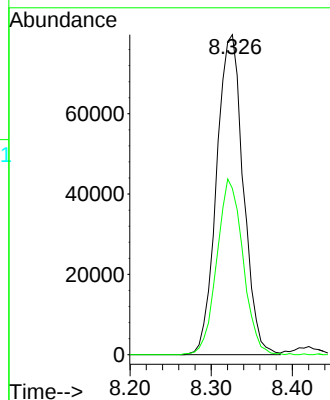
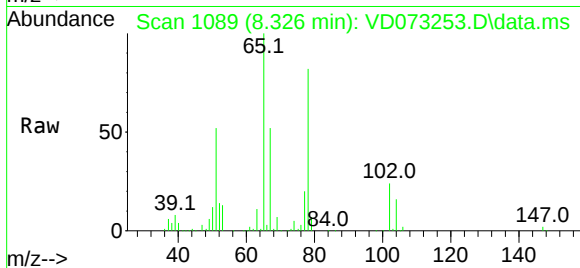
VD0521SBS02

Tgt Ion: 65 Resp: 182146

Ion Ratio Lower Upper

65 100

67 53.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

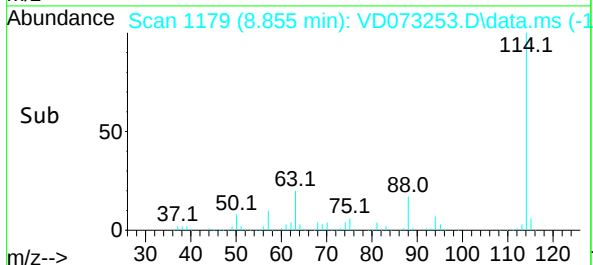
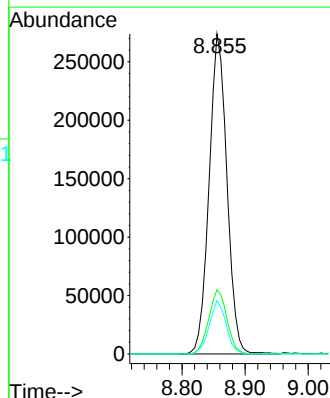
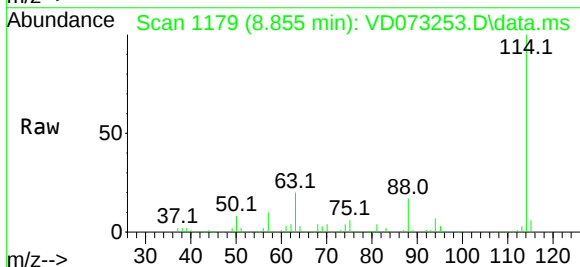
Tgt Ion: 114 Resp: 537137

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.942 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

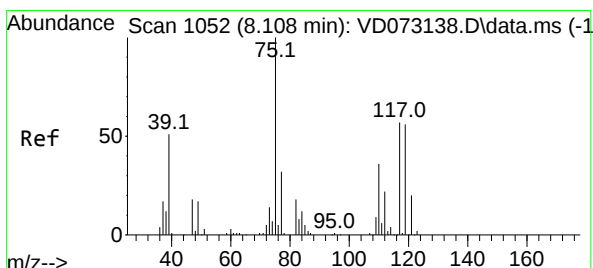
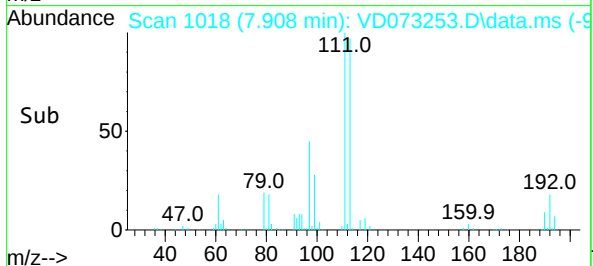
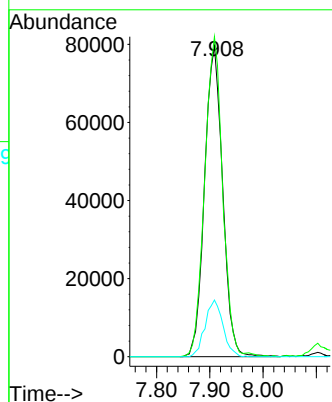
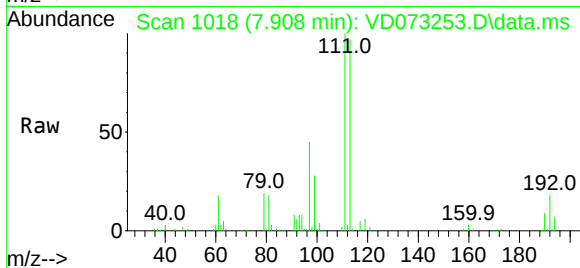
Tgt Ion:113 Resp: 187648

Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 18.825 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.005 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

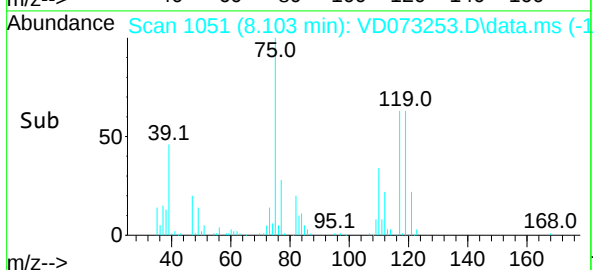
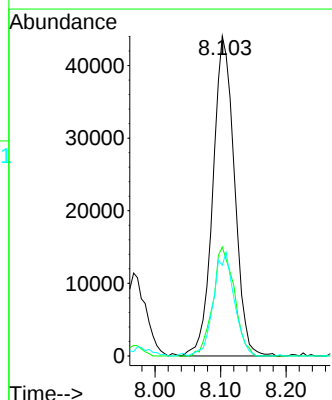
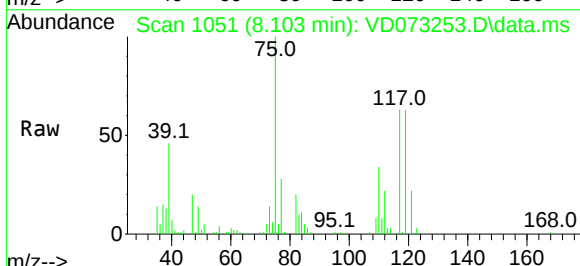
Tgt Ion: 75 Resp: 100351

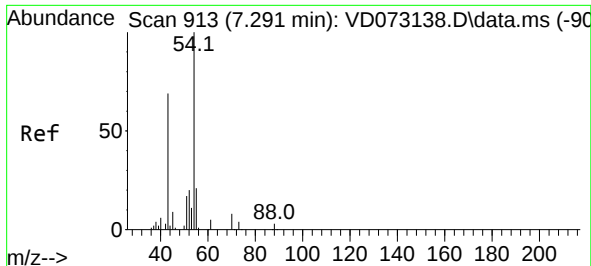
Ion Ratio Lower Upper

75 100

110 33.8 16.4 49.1

77 31.4 24.2 36.2

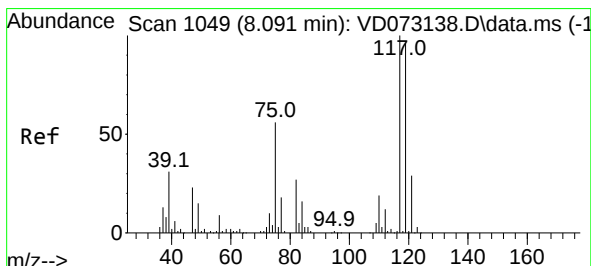
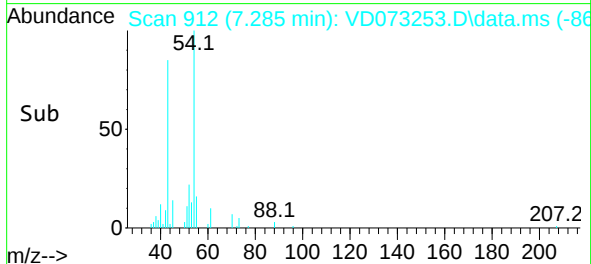
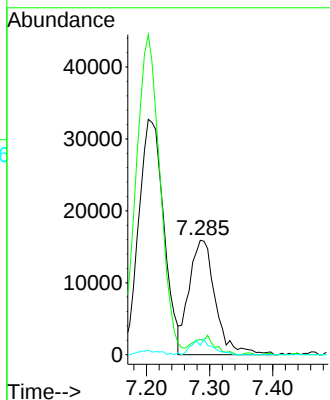
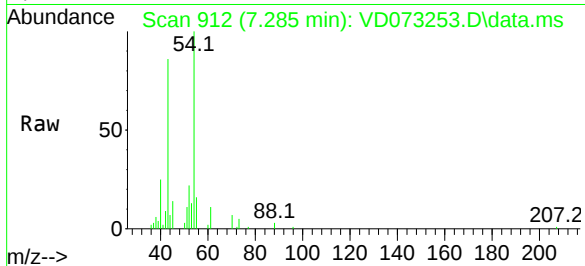




#37  
Ethyl Acetate  
Concen: 21.897 ug/l  
RT: 7.285 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

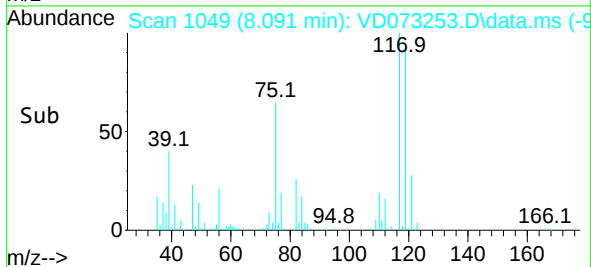
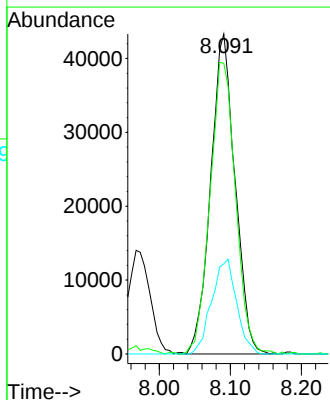
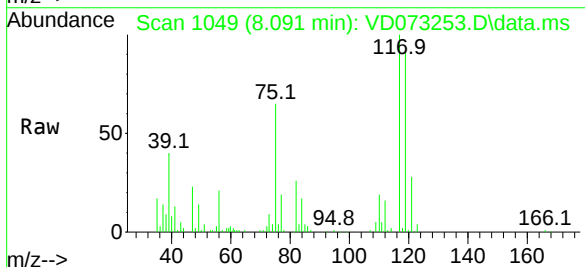
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

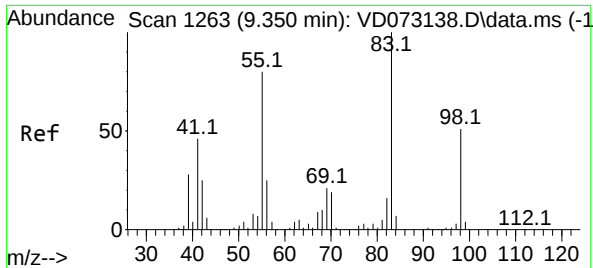
Tgt Ion: 43 Resp: 46107  
Ion Ratio Lower Upper  
43 100  
61 13.1 9.8 14.8  
70 4.9 6.9 10.3#



#38  
Carbon Tetrachloride  
Concen: 19.101 ug/l  
RT: 8.091 min Scan# 1049  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 117 Resp: 103212  
Ion Ratio Lower Upper  
117 100  
119 90.9 75.8 113.6  
121 28.2 24.5 36.7





#39

Methylcyclohexane

Concen: 17.117 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

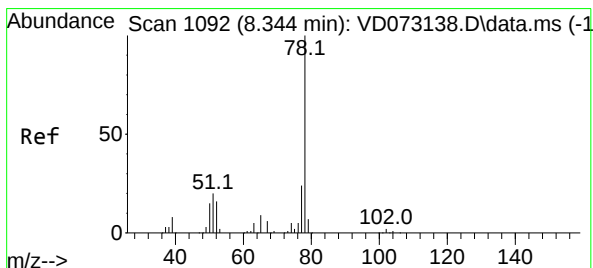
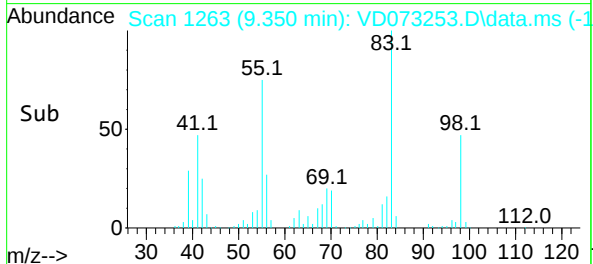
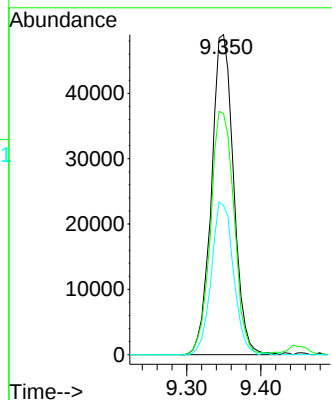
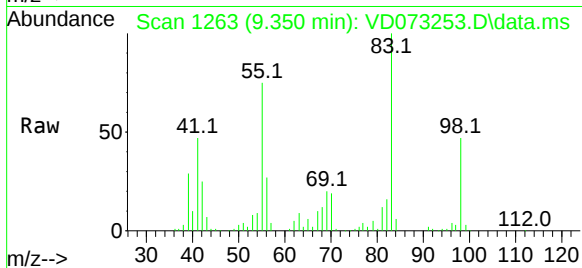
Tgt Ion: 83 Resp: 101690

Ion Ratio Lower Upper

83 100

55 75.4 63.2 94.8

98 46.6 38.2 57.4



#40

Benzene

Concen: 19.682 ug/l

RT: 8.344 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD073253.D

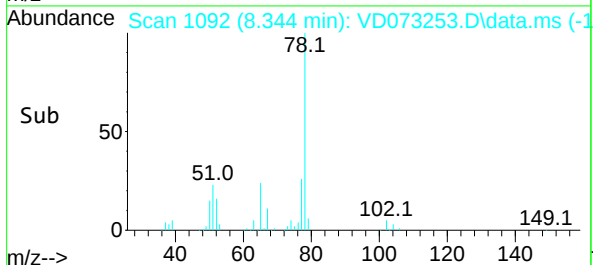
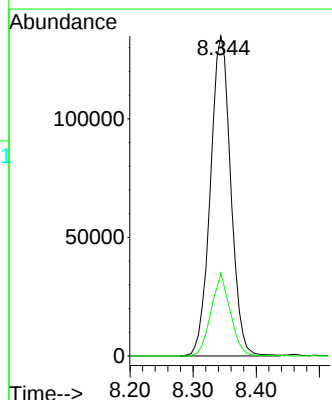
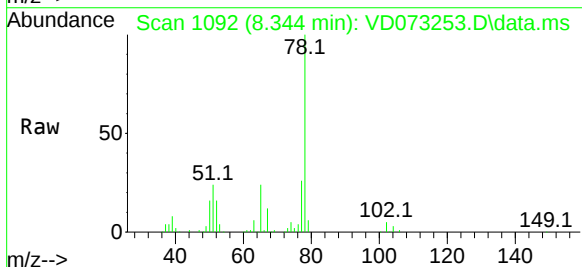
Acq: 22 May 2022 04:07

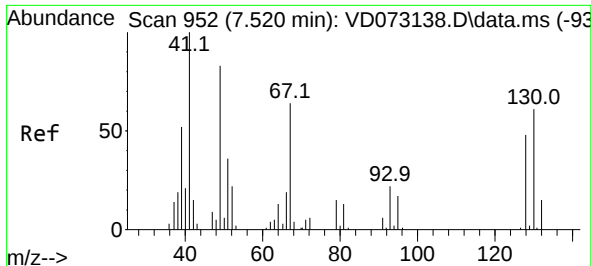
Tgt Ion: 78 Resp: 302375

Ion Ratio Lower Upper

78 100

77 25.8 19.1 28.7

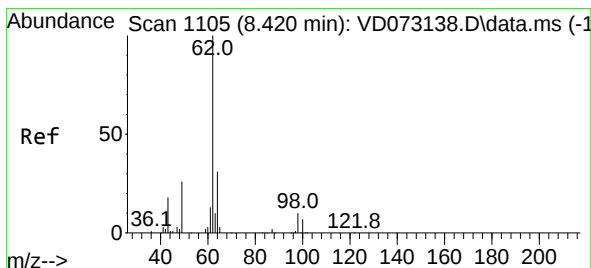
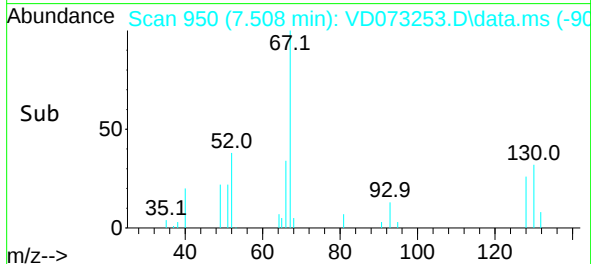
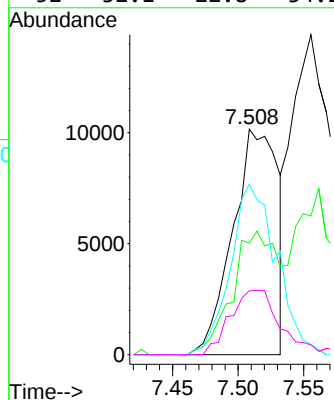
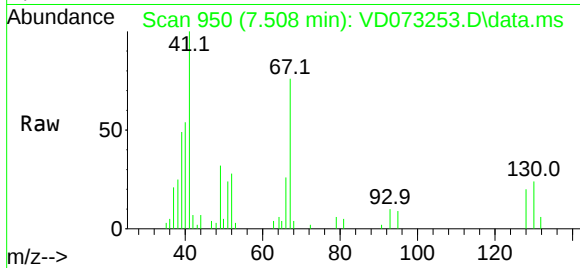




#41  
Methacrylonitrile  
Concen: 19.756 ug/l  
RT: 7.508 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

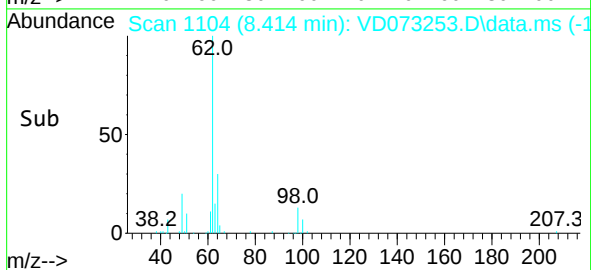
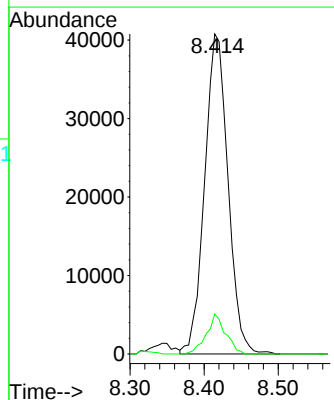
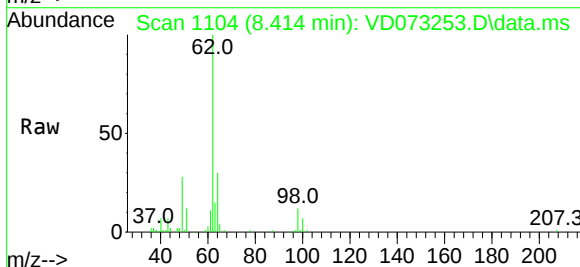
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 24236 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.1  | 44.6  | 67.0  |
| 67       | 77.6  | 48.2  | 72.4# |
| 52       | 32.1  | 22.8  | 34.2  |



#42  
1,2-Dichloroethane  
Concen: 20.889 ug/l  
RT: 8.414 min Scan# 1104  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 89294 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 10.2  | 0.0   | 17.6  |

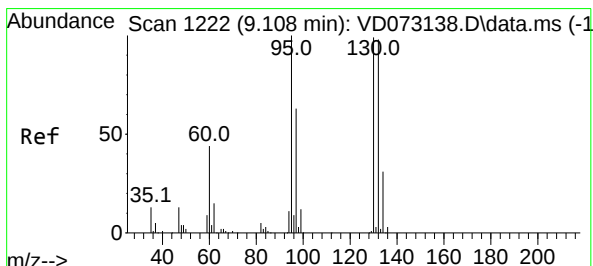
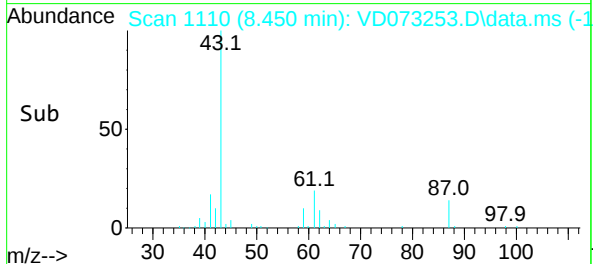
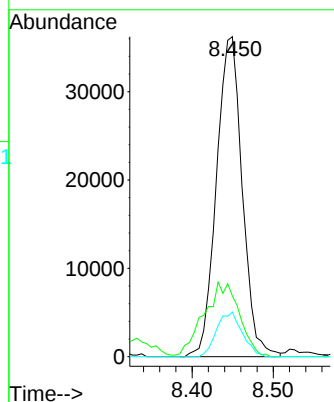
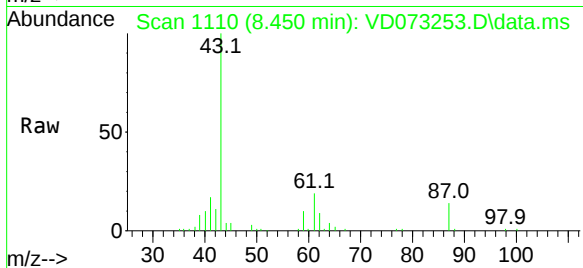




#43  
Isopropyl Acetate  
Concen: 20.570 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. 0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

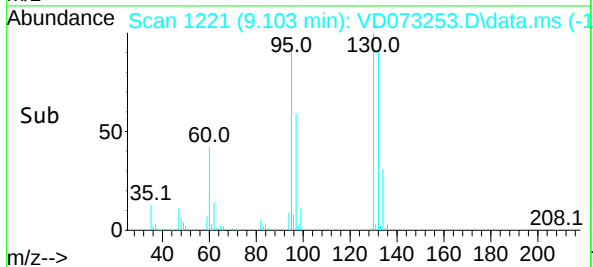
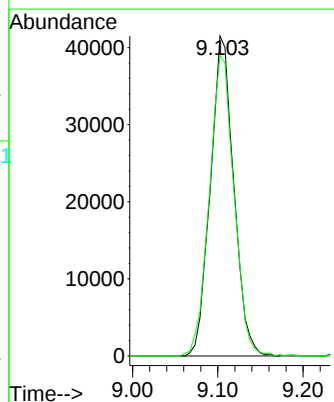
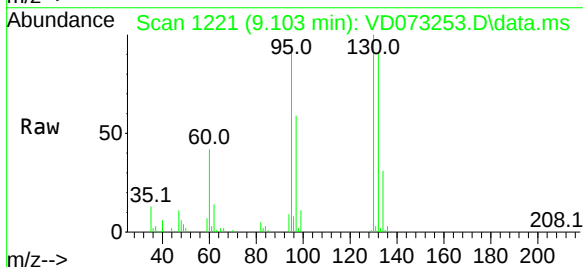
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

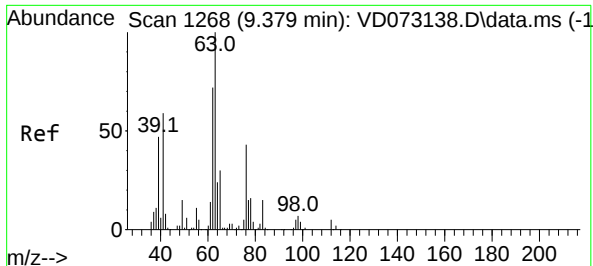
Tgt Ion: 43 Resp: 80058  
Ion Ratio Lower Upper  
43 100  
61 31.9 22.4 33.6  
87 13.8 8.7 13.1#



#44  
Trichloroethene  
Concen: 19.290 ug/l  
RT: 9.103 min Scan# 1221  
Delta R.T. -0.005 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 130 Resp: 79026  
Ion Ratio Lower Upper  
130 100  
95 93.9 0.0 205.4





#45

1,2-Dichloropropane

Concen: 20.448 ug/l

RT: 9.379 min Scan# 1268

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

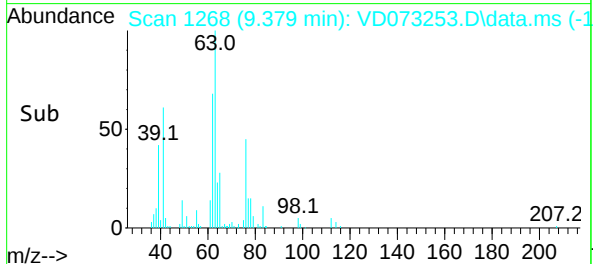
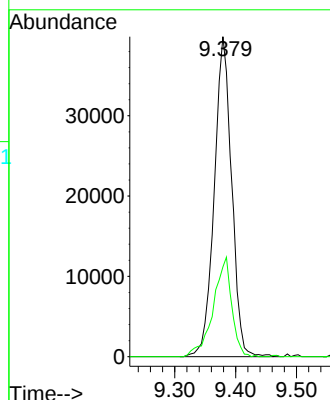
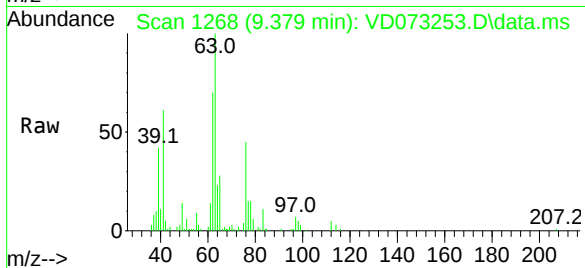
VD0521SBS02

Tgt Ion: 63 Resp: 79113

Ion Ratio Lower Upper

63 100

65 28.1 26.2 39.4



#46

Dibromomethane

Concen: 20.252 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

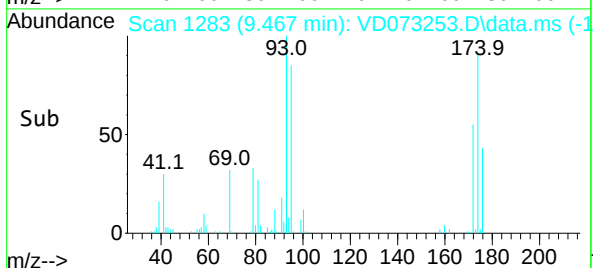
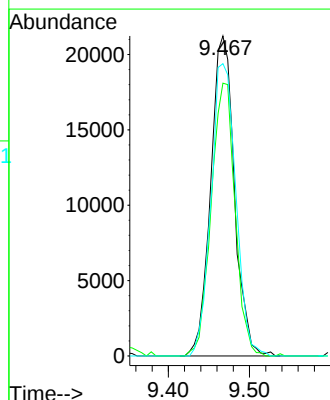
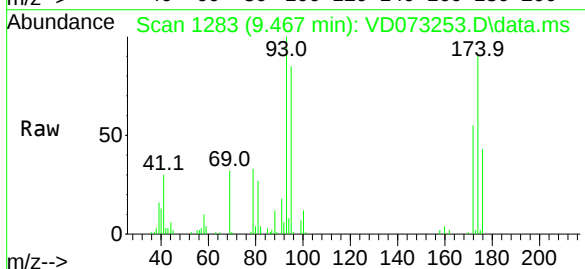
Tgt Ion: 93 Resp: 43035

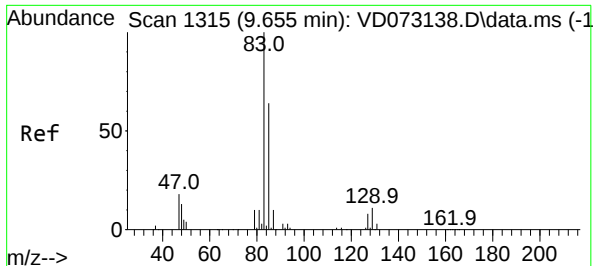
Ion Ratio Lower Upper

93 100

95 85.8 66.7 100.1

174 95.7 71.6 107.4

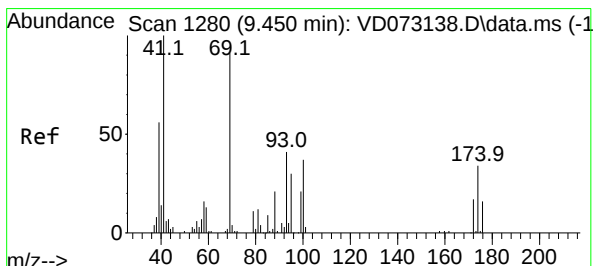
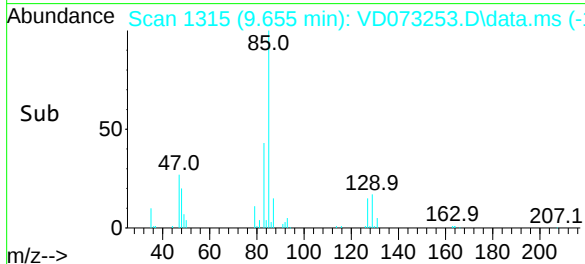
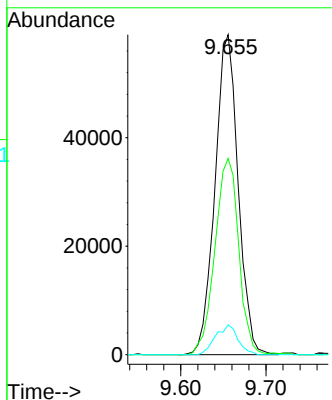
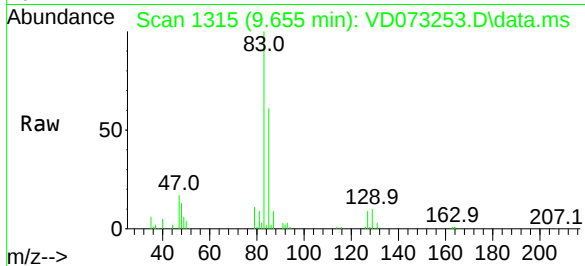




#47  
Bromodichloromethane  
Concen: 20.536 ug/l  
RT: 9.655 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

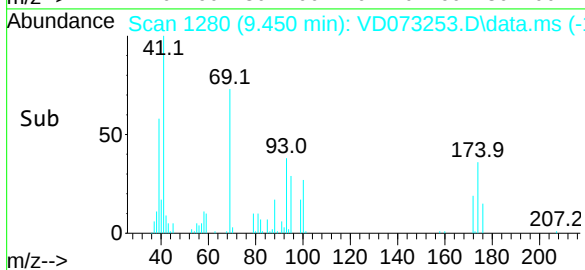
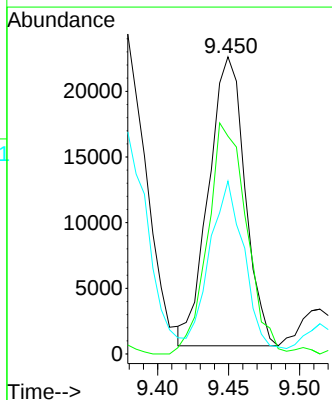
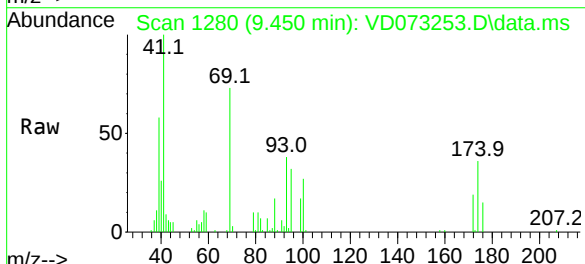
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

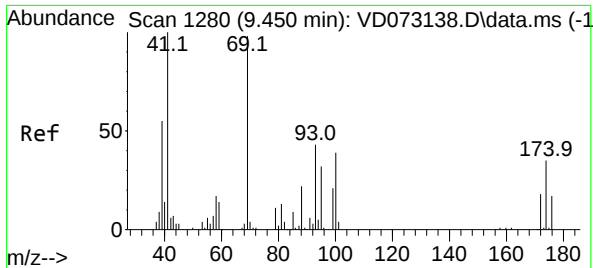
Tgt Ion: 83 Resp: 111654  
Ion Ratio Lower Upper  
83 100  
85 61.3 51.4 77.0  
127 9.3 6.1 9.1#



#48  
Methyl methacrylate  
Concen: 20.005 ug/l  
RT: 9.450 min Scan# 1280  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 41 Resp: 39171  
Ion Ratio Lower Upper  
41 100  
69 85.2 56.7 85.1#  
39 58.2 42.7 64.1





#49

1,4-Dioxane

Concen: 422.843 ug/l

RT: 9.455 min Scan# 1280

Delta R.T. 0.005 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

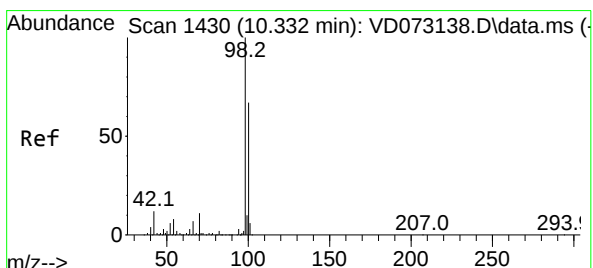
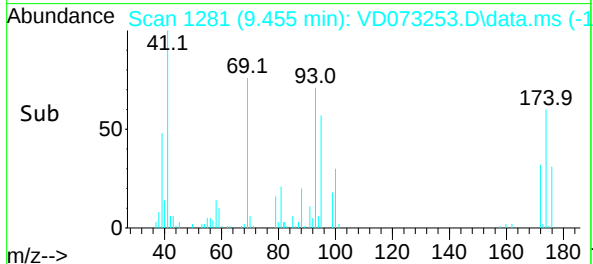
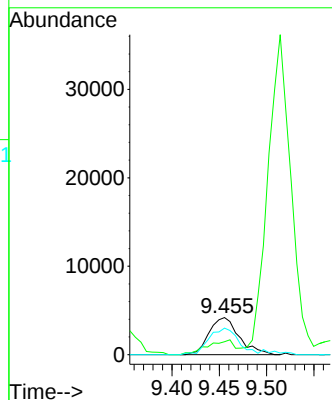
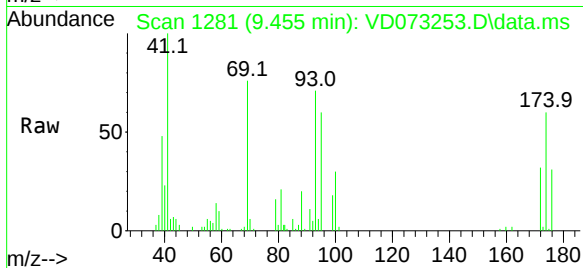
Tgt Ion: 88 Resp: 9279

Ion Ratio Lower Upper

88 100

43 37.4 31.0 46.4

58 70.0 58.1 87.1



#50

Toluene-d8

Concen: 51.970 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VD073253.D

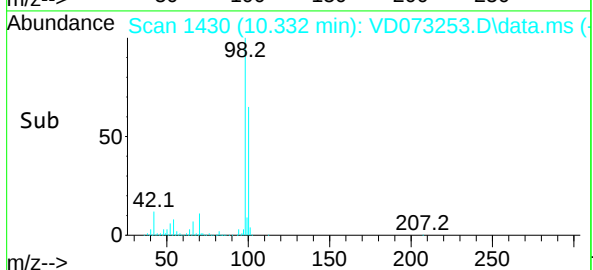
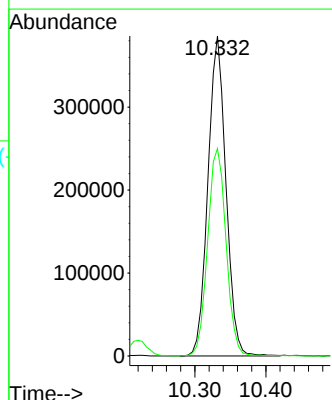
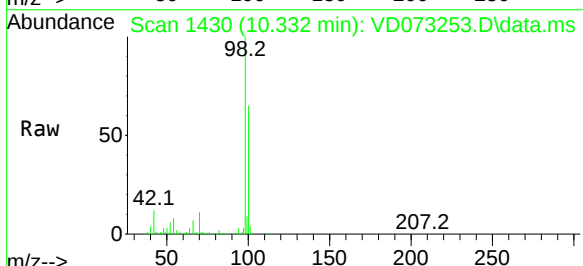
Acq: 22 May 2022 04:07

Tgt Ion: 98 Resp: 679018

Ion Ratio Lower Upper

98 100

100 66.2 52.4 78.6

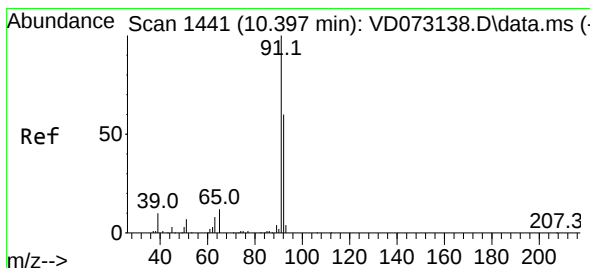
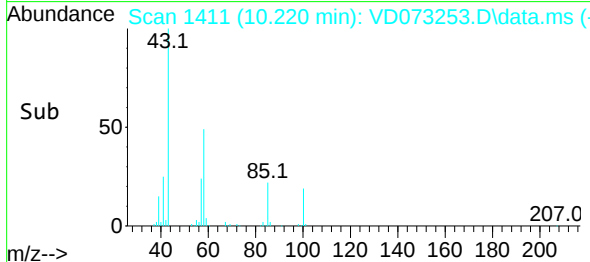
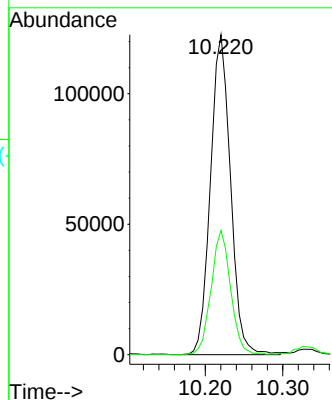
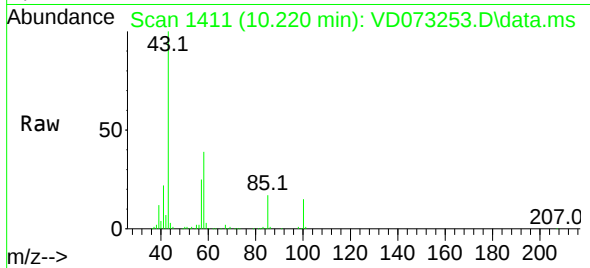




#51  
4-Methyl-2-Pentanone  
Concen: 109.149 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

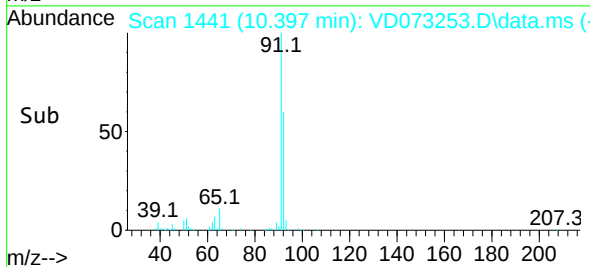
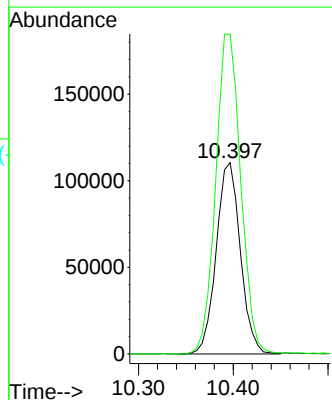
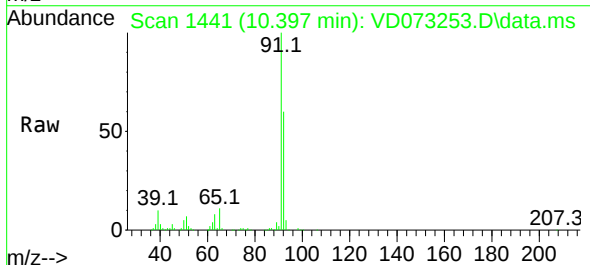
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

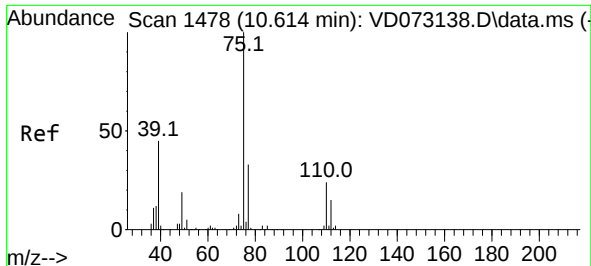
Tgt Ion: 43 Resp: 220631  
Ion Ratio Lower Upper  
43 100  
58 37.8 28.6 43.0



#52  
Toluene  
Concen: 20.123 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 92 Resp: 195362  
Ion Ratio Lower Upper  
92 100  
91 174.5 139.6 209.4

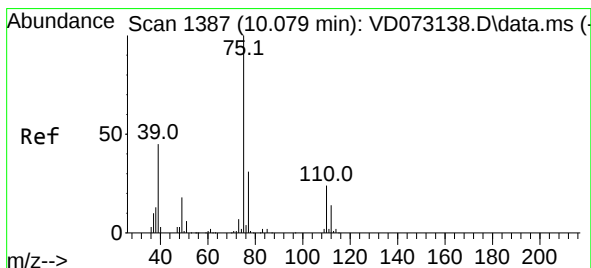
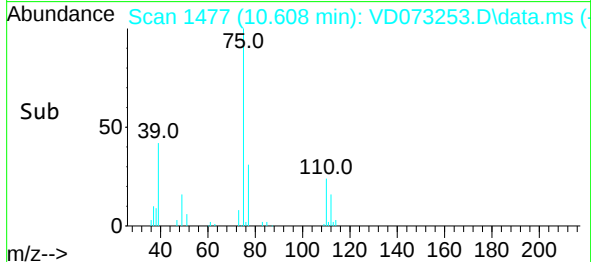
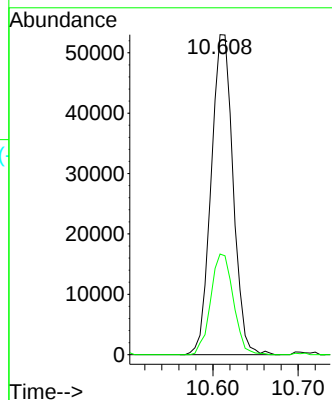
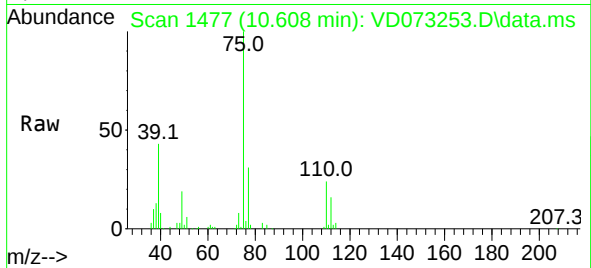




#53  
 t-1,3-Dichloropropene  
 Concen: 19.283 ug/l  
 RT: 10.608 min Scan# 1477  
 Delta R.T. -0.006 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

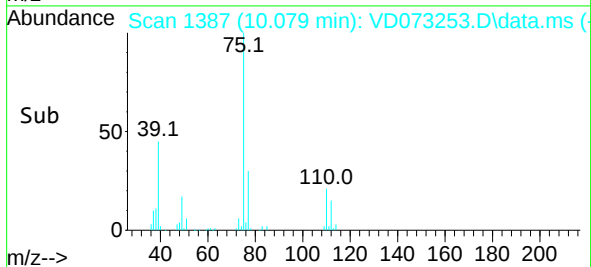
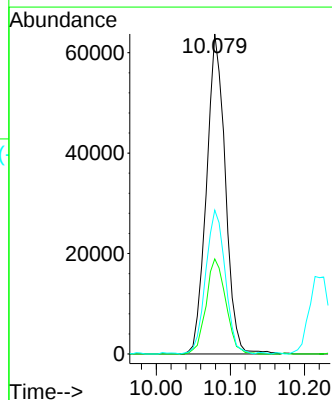
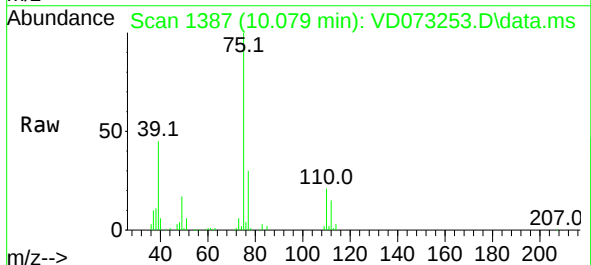
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

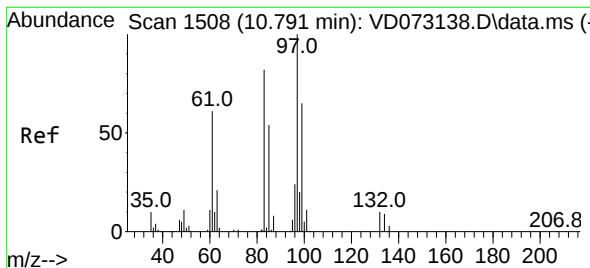
Tgt Ion: 75 Resp: 94715  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 24.5 36.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.155 ug/l  
 RT: 10.079 min Scan# 1387  
 Delta R.T. -0.000 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion: 75 Resp: 112594  
 Ion Ratio Lower Upper  
 75 100  
 77 29.7 24.8 37.2  
 39 45.0 46.8 70.2#





#55

1,1,2-Trichloroethane

Concen: 21.916 ug/l

RT: 10.791 min Scan# 1508

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

Tgt Ion: 97 Resp: 62974

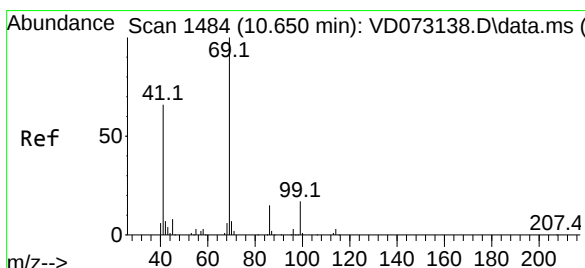
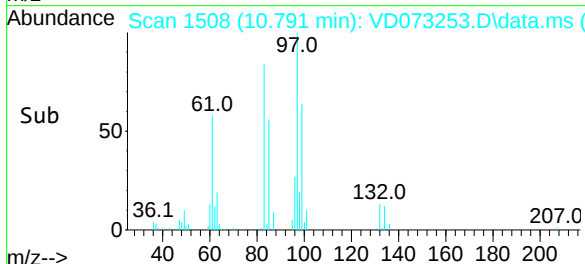
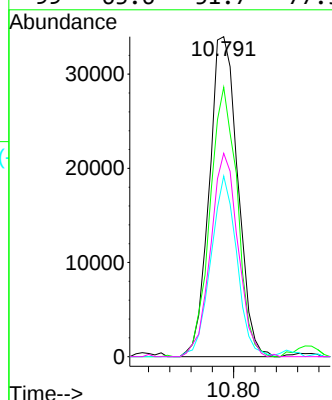
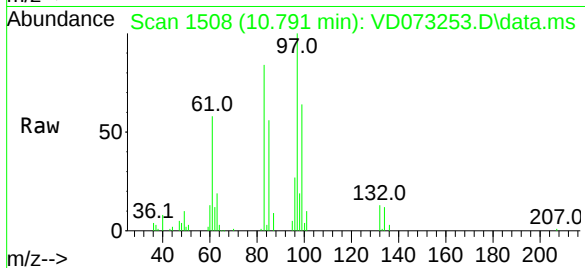
Ion Ratio Lower Upper

97 100

83 84.2 69.0 103.4

85 56.5 42.6 63.8

99 63.6 51.7 77.5



#56

Ethyl methacrylate

Concen: 20.757 ug/l

RT: 10.650 min Scan# 1484

Delta R.T. -0.001 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

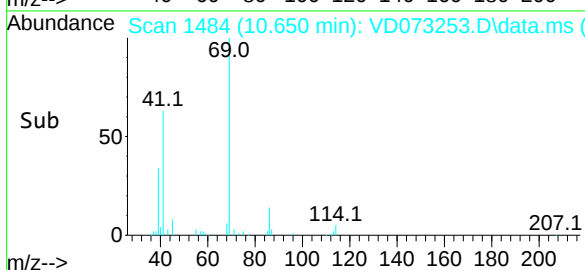
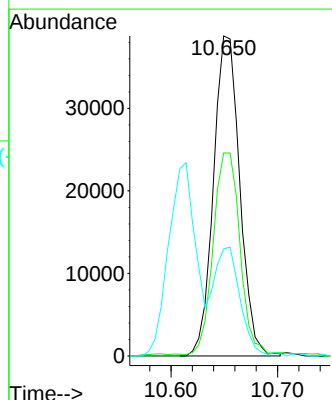
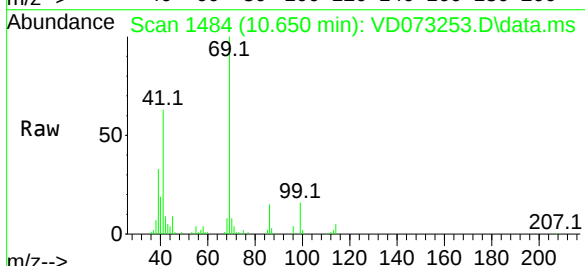
Tgt Ion: 69 Resp: 66317

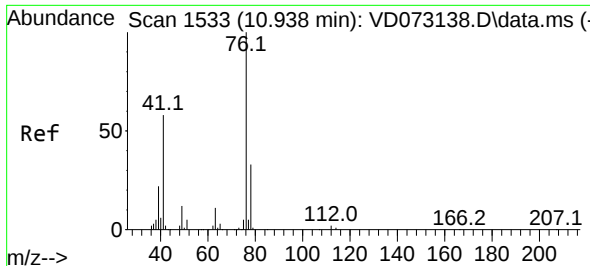
Ion Ratio Lower Upper

69 100

41 66.2 63.0 94.6

39 34.6 33.8 50.8





#57

1,3-Dichloropropane

Concen: 20.682 ug/l

RT: 10.938 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

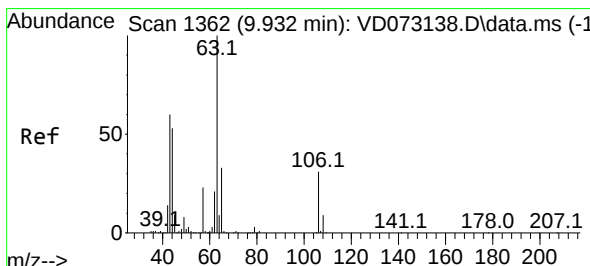
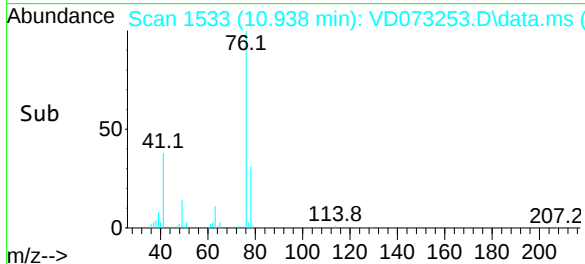
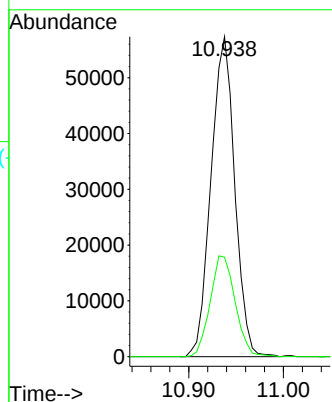
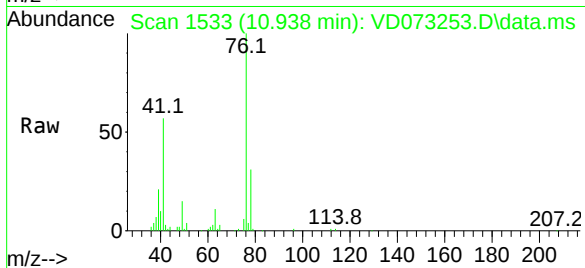
VD0521SBSD02

Tgt Ion: 76 Resp: 99717

Ion Ratio Lower Upper

76 100

78 33.3 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 104.816 ug/l

RT: 9.932 min Scan# 1362

Delta R.T. -0.000 min

Lab File: VD073253.D

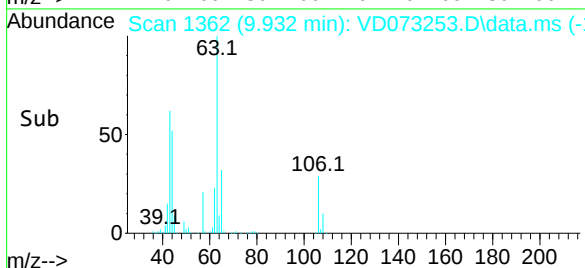
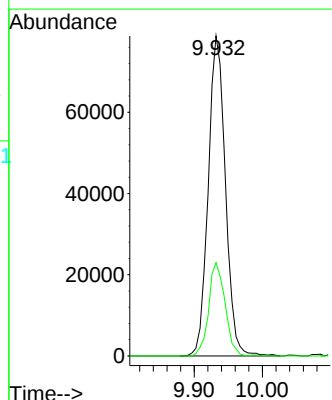
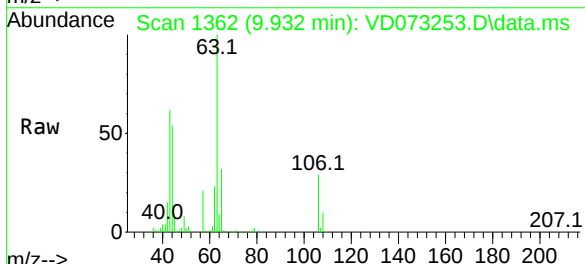
Acq: 22 May 2022 04:07

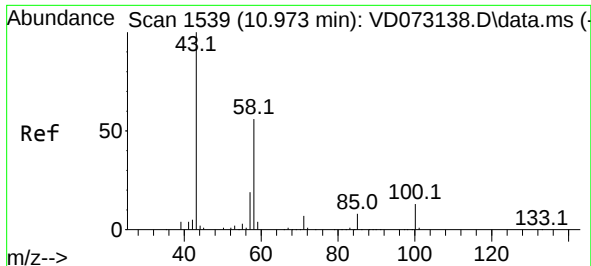
Tgt Ion: 63 Resp: 138236

Ion Ratio Lower Upper

63 100

106 27.7 21.4 32.0

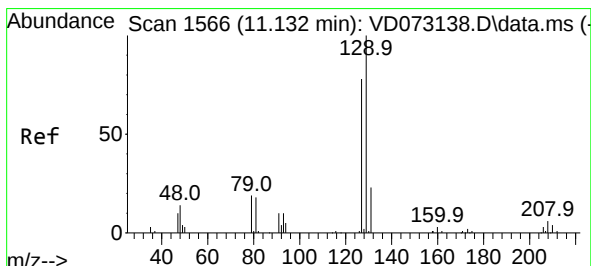
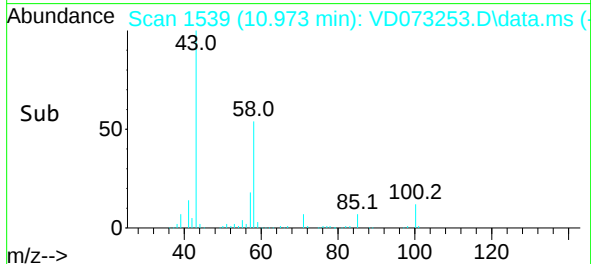
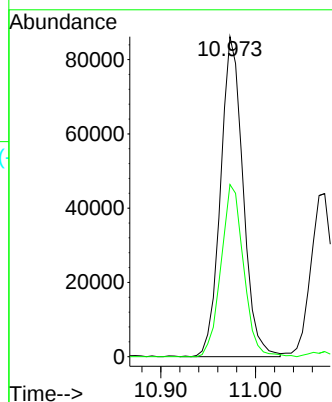
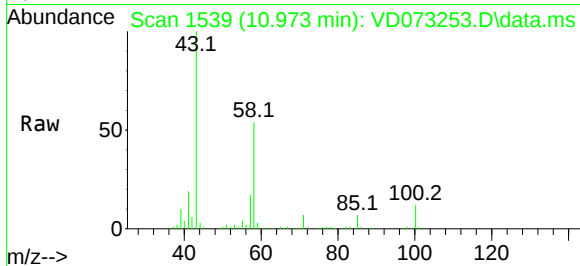




#59  
2-Hexanone  
Concen: 106.850 ug/l  
RT: 10.973 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

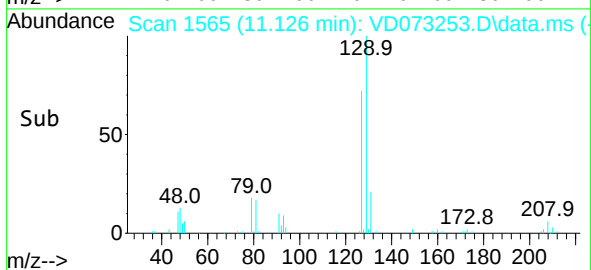
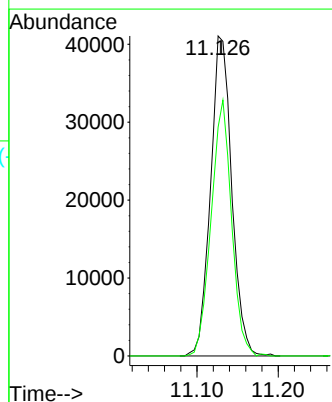
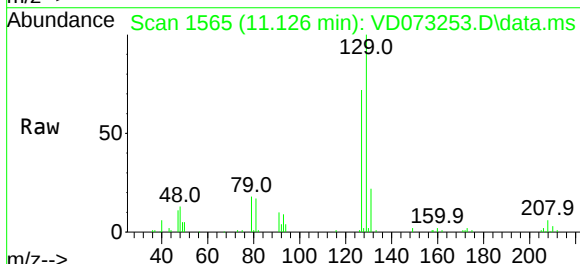
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

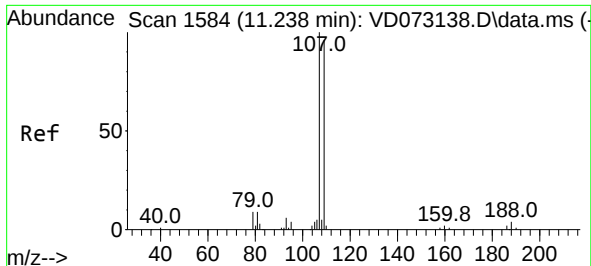
Tgt Ion: 43 Resp: 142396  
Ion Ratio Lower Upper  
43 100  
58 53.8 25.3 75.9



#60  
Dibromochloromethane  
Concen: 20.808 ug/l  
RT: 11.126 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion:129 Resp: 74557  
Ion Ratio Lower Upper  
129 100  
127 77.0 39.2 117.6

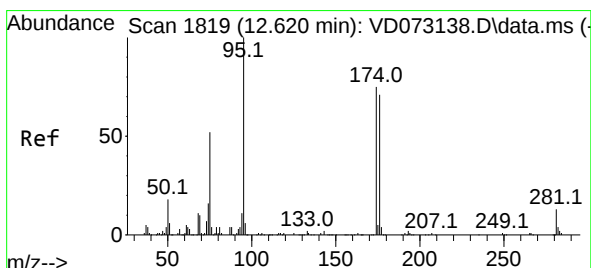
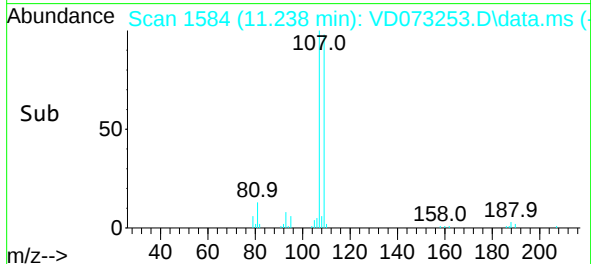
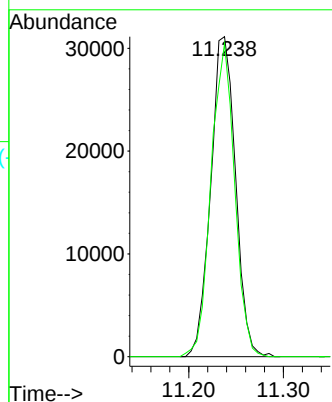
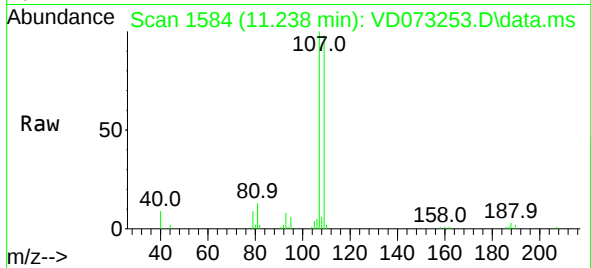




#61  
1,2-Dibromoethane  
Concen: 20.649 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

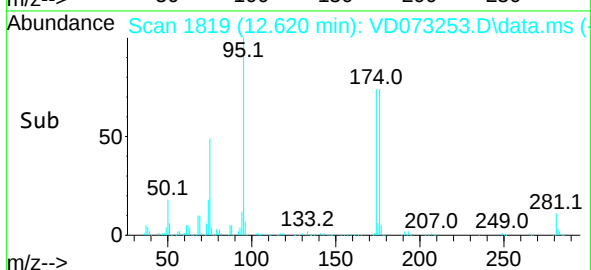
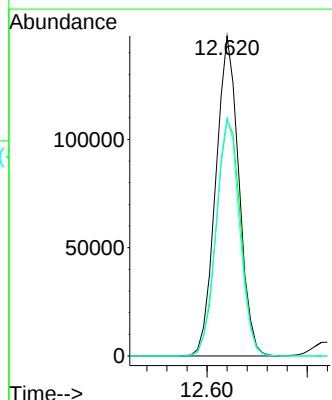
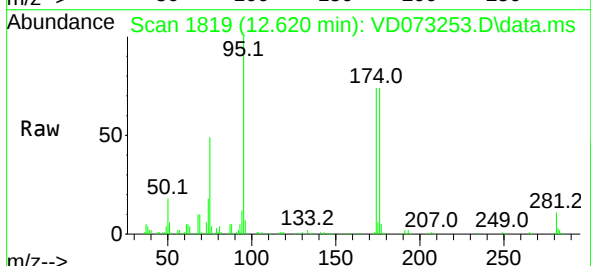
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

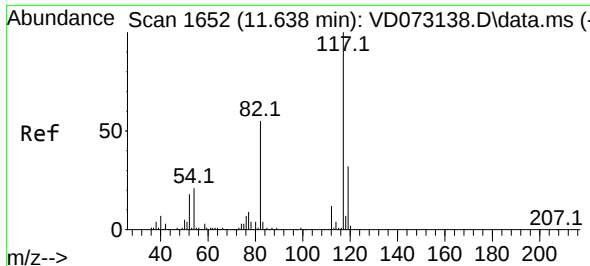
Tgt Ion:107 Resp: 56698  
Ion Ratio Lower Upper  
107 100  
109 93.1 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 51.588 ug/l  
RT: 12.620 min Scan# 1819  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 95 Resp: 236540  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 152.8  
176 75.8 0.0 145.4

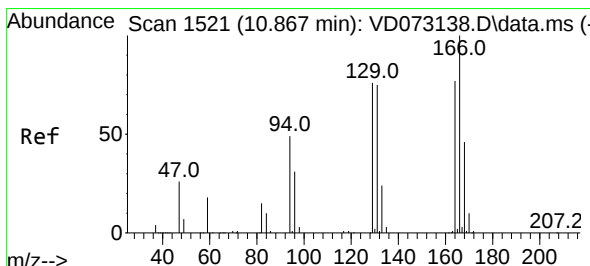
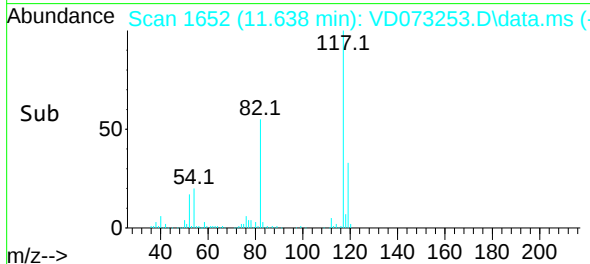
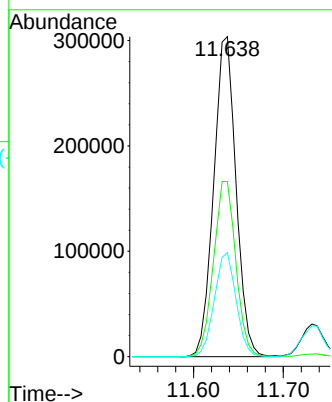
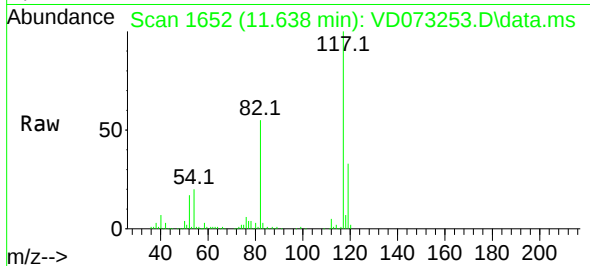




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

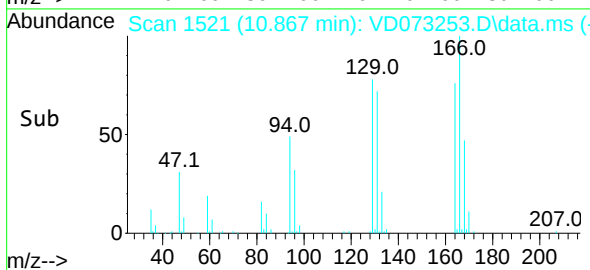
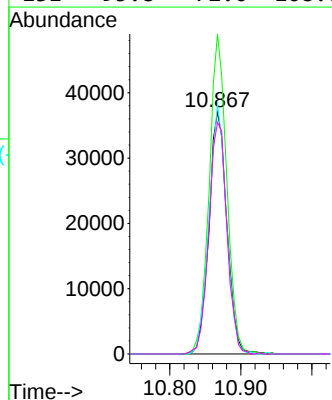
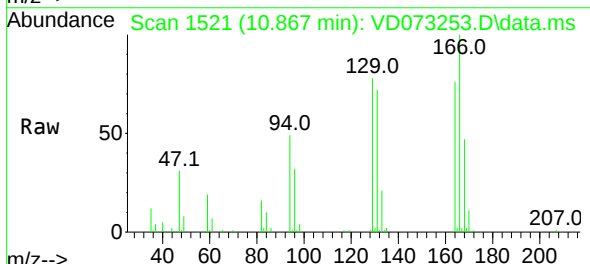
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

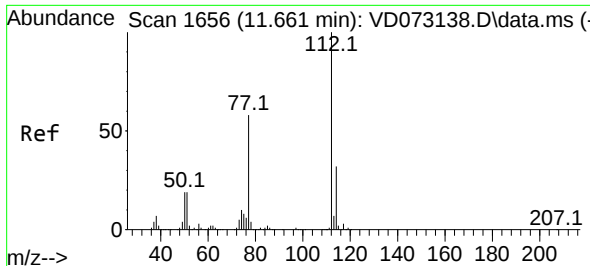
Tgt Ion:117 Resp: 525051  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.3 67.9  
119 32.6 26.6 40.0



#64  
Tetrachloroethene  
Concen: 18.948 ug/l  
RT: 10.867 min Scan# 1521  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion:164 Resp: 65162  
Ion Ratio Lower Upper  
164 100  
166 132.4 98.5 147.7  
129 103.3 74.6 111.8  
131 95.8 72.0 108.0

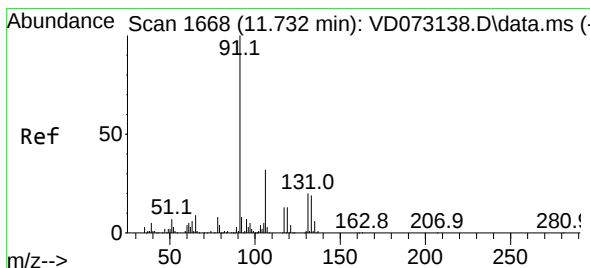
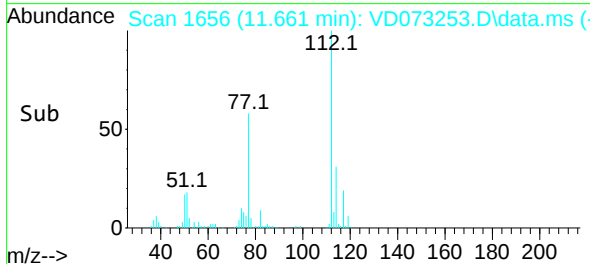
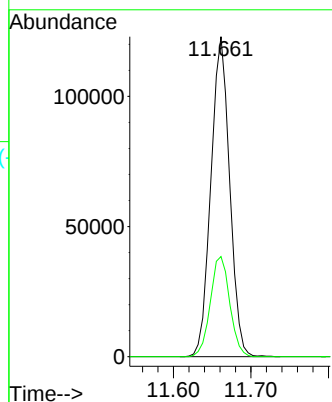
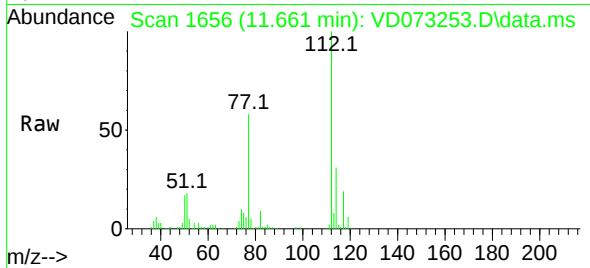




#65  
Chlorobenzene  
Concen: 19.152 ug/l  
RT: 11.661 min Scan# 1656  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

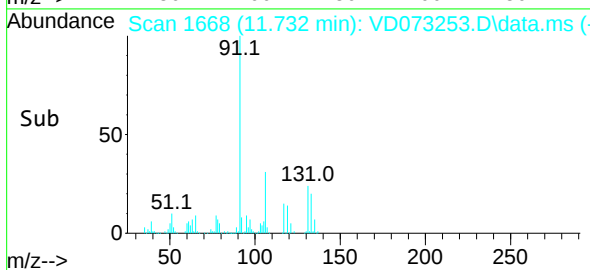
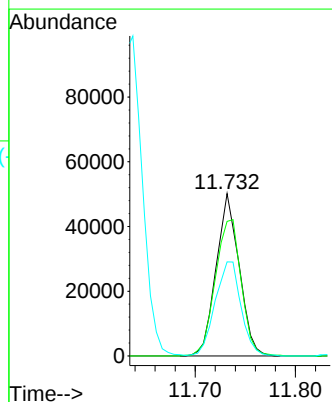
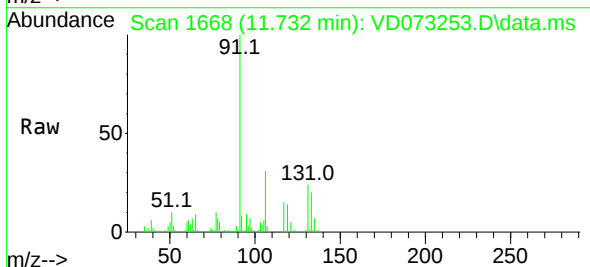
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

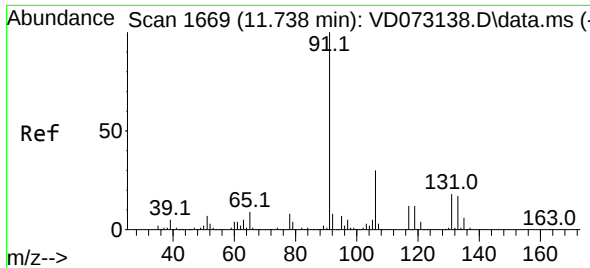
Tgt Ion:112 Resp: 206290  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.8 38.6



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.038 ug/l  
RT: 11.732 min Scan# 1668  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion:131 Resp: 80045  
Ion Ratio Lower Upper  
131 100  
133 94.4 48.1 144.3  
119 65.3 31.9 95.9

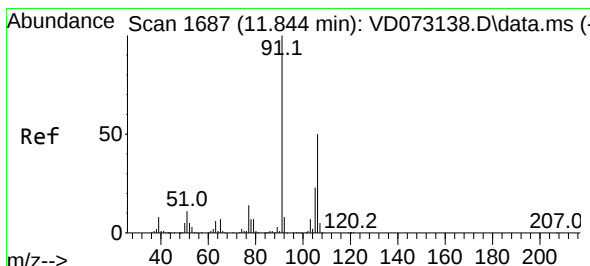
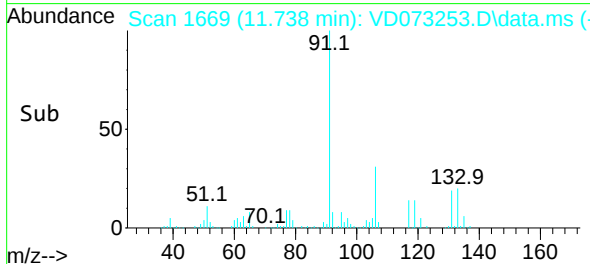
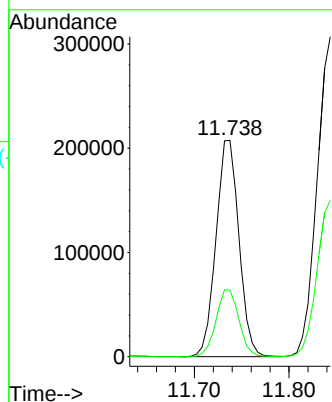
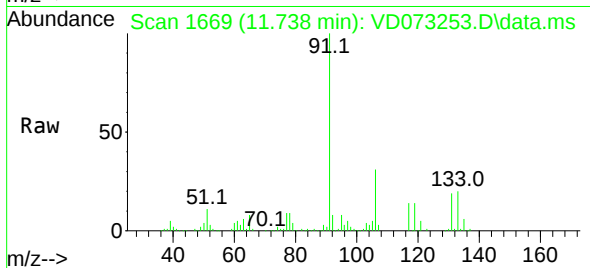




#67  
Ethyl Benzene  
Concen: 18.509 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

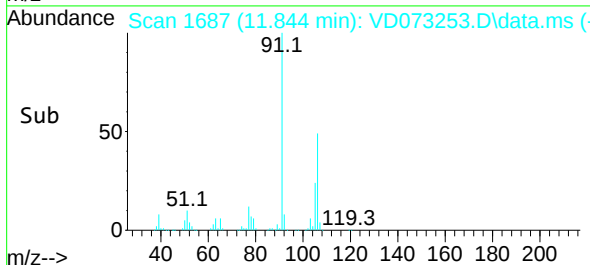
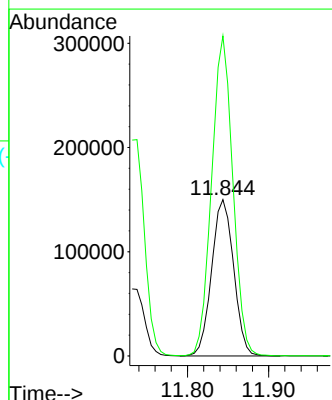
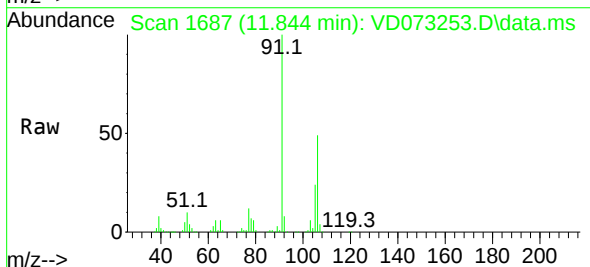
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

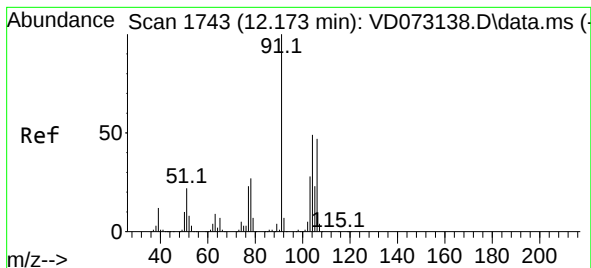
Tgt Ion: 91 Resp: 349987  
Ion Ratio Lower Upper  
91 100  
106 30.7 24.2 36.4



#68  
m/p-Xylenes  
Concen: 38.478 ug/l  
RT: 11.844 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 106 Resp: 282671  
Ion Ratio Lower Upper  
106 100  
91 196.9 163.7 245.5





#69

o-Xylene

Concen: 18.824 ug/l

RT: 12.173 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

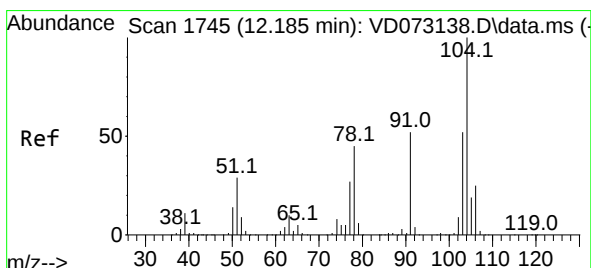
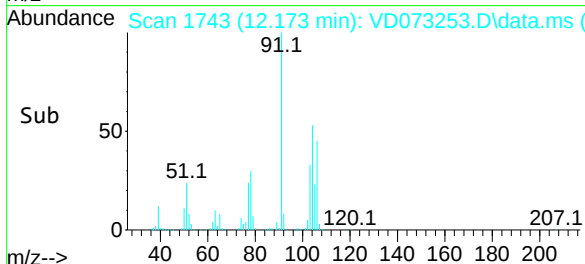
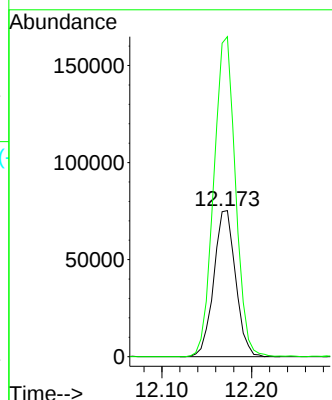
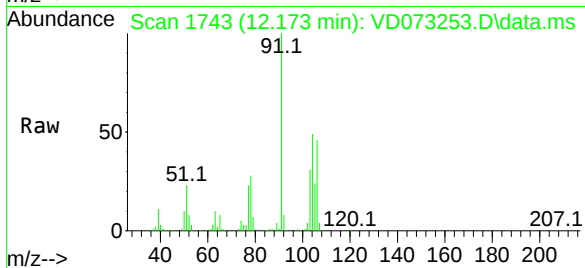
VD0521SBS02

Tgt Ion:106 Resp: 127038

Ion Ratio Lower Upper

106 100

91 218.0 110.4 331.2



#70

Styrene

Concen: 19.612 ug/l

RT: 12.185 min Scan# 1745

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

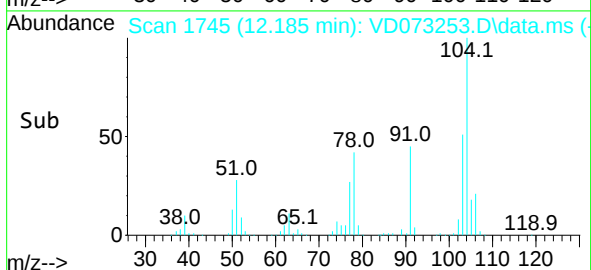
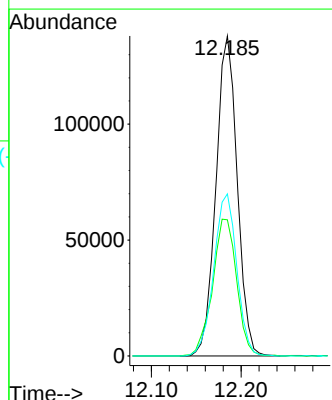
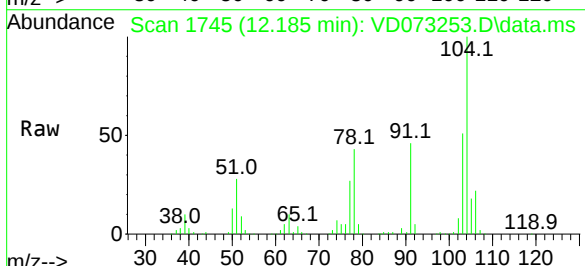
Tgt Ion:104 Resp: 227709

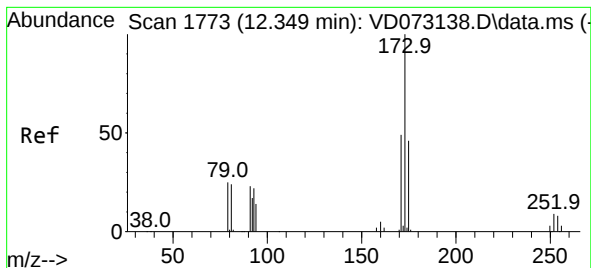
Ion Ratio Lower Upper

104 100

78 48.5 41.8 62.8

103 54.8 44.2 66.4





#71

Bromoform

Concen: 21.534 ug/l

RT: 12.349 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

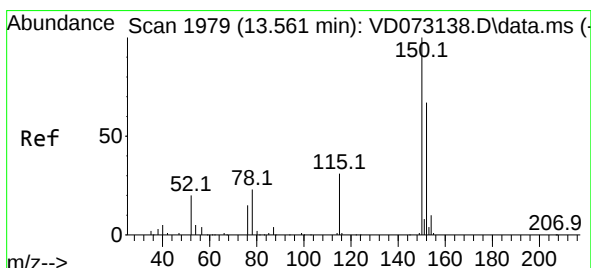
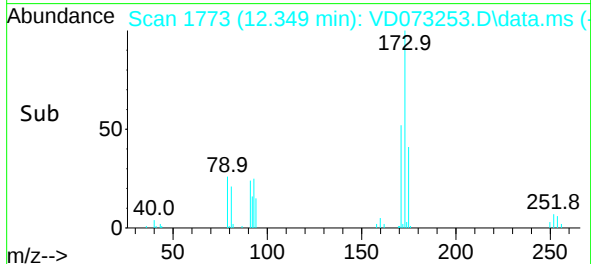
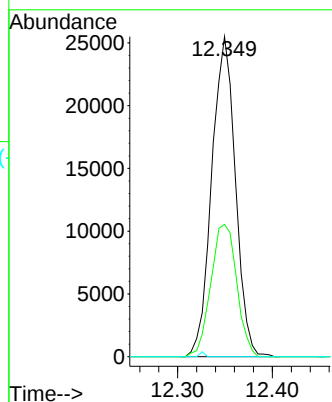
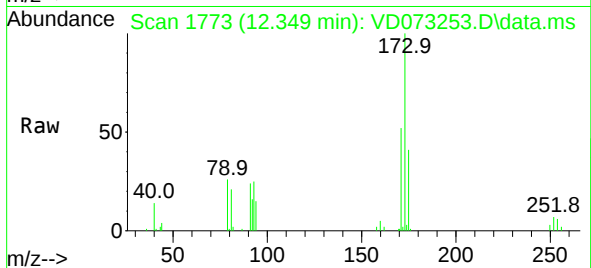
Tgt Ion:173 Resp: 44273

Ion Ratio Lower Upper

173 100

175 45.2 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: VD073253.D

Acq: 22 May 2022 04:07

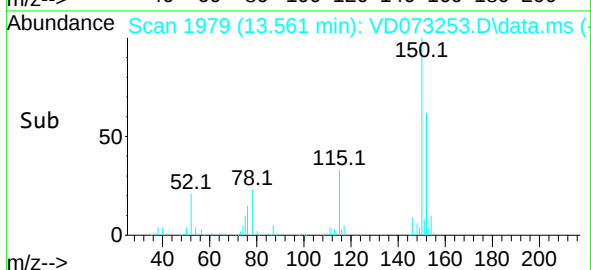
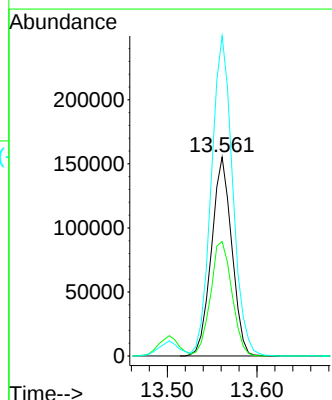
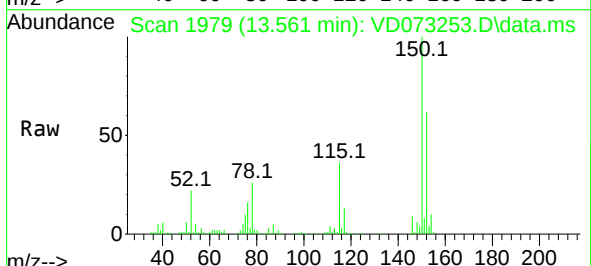
Tgt Ion:152 Resp: 243814

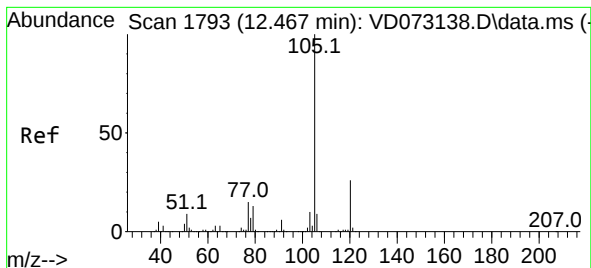
Ion Ratio Lower Upper

152 100

115 60.3 31.3 93.8

150 168.9 0.0 348.6





#73

Isopropylbenzene

Concen: 19.113 ug/l

RT: 12.467 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

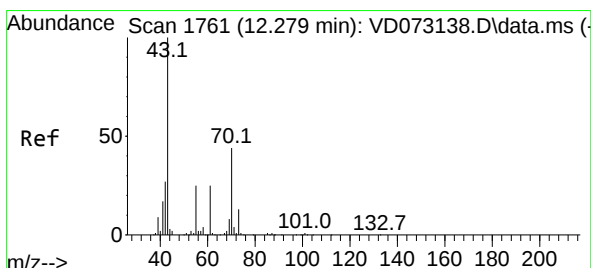
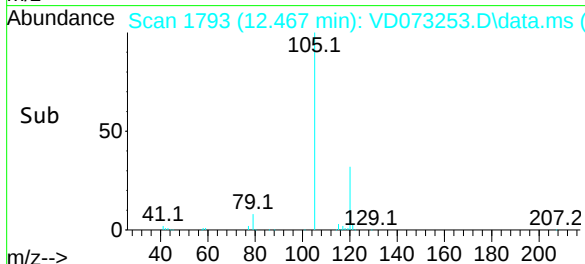
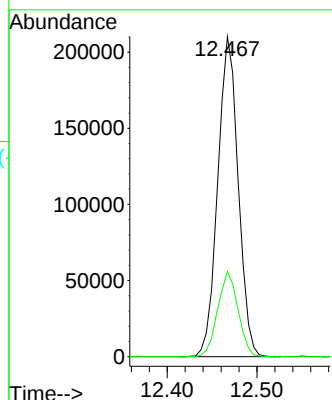
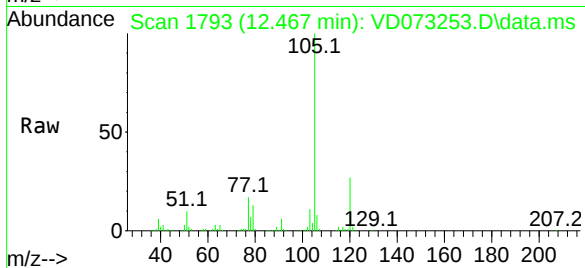
VD0521SBSD02

Tgt Ion:105 Resp: 332203

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



#74

N-ethyl acetate

Concen: 20.243 ug/l

RT: 12.279 min Scan# 1761

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Tgt Ion: 43 Resp: 76757

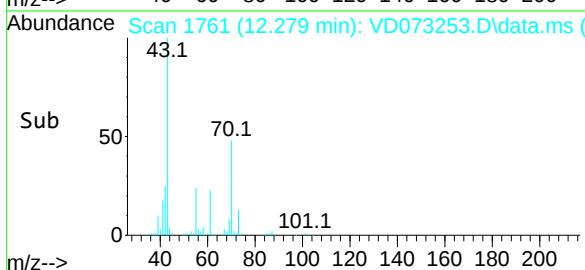
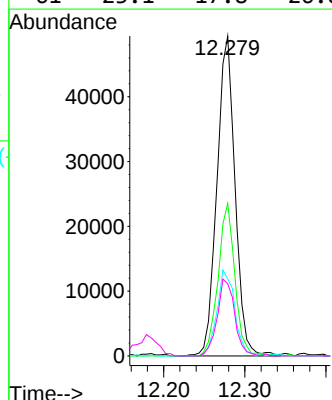
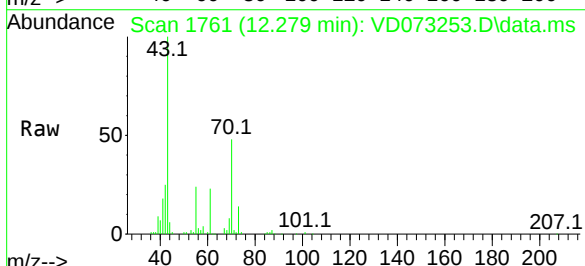
Ion Ratio Lower Upper

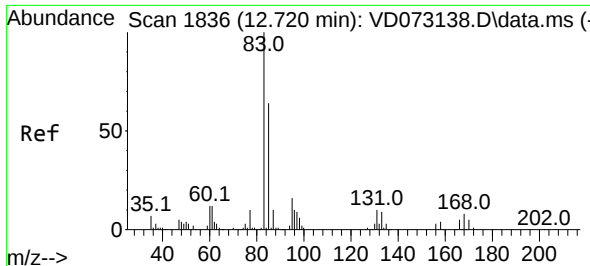
43 100

70 44.4 31.3 46.9

55 26.2 20.0 30.0

61 23.1 17.8 26.8

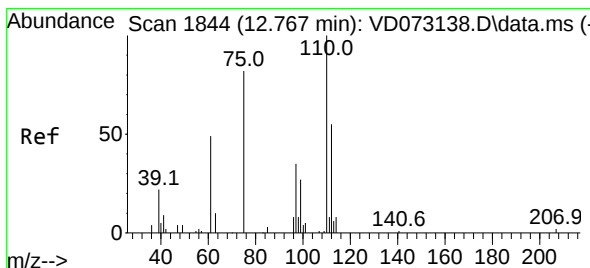
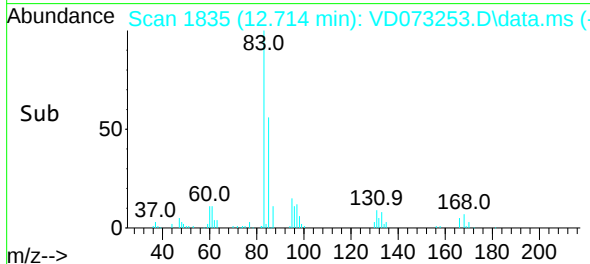
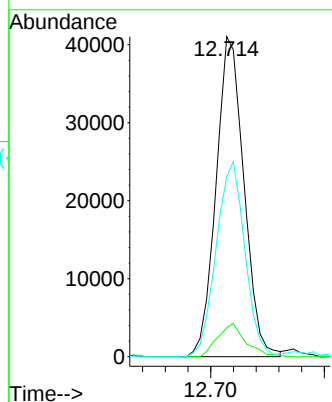
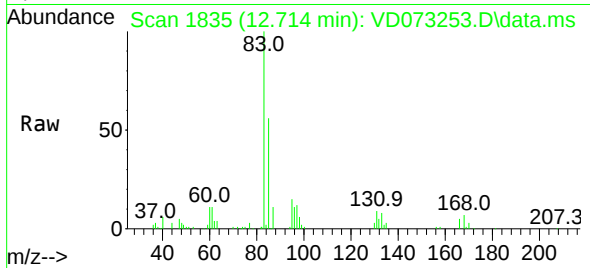




#75  
1,1,2-Tetrachloroethane  
Concen: 21.820 ug/l  
RT: 12.714 min Scan# 1835  
Delta R.T. -0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

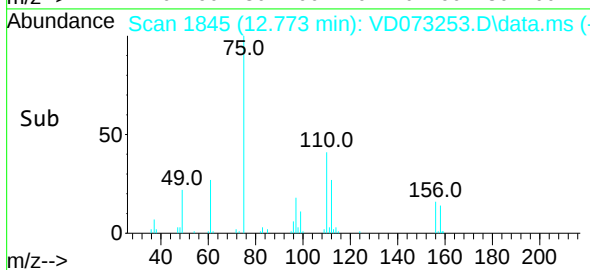
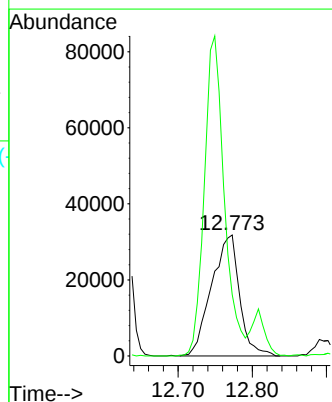
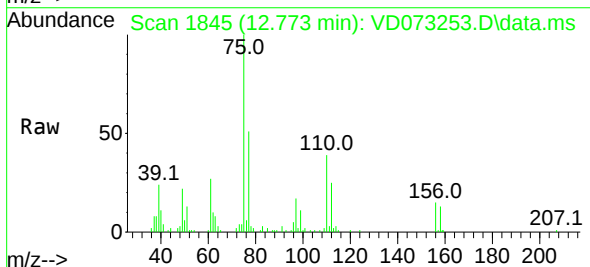
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

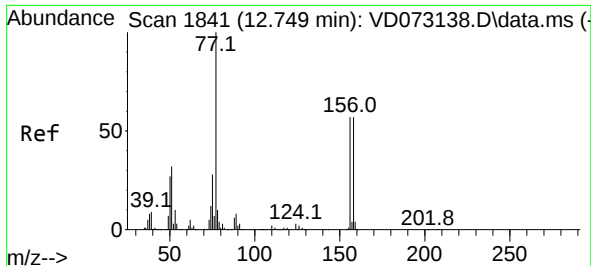
Tgt Ion: 83 Resp: 69948  
Ion Ratio Lower Upper  
83 100  
131 10.4 5.0 14.9  
85 62.9 32.6 98.0



#76  
1,2,3-Trichloropropane  
Concen: 34.913 ug/l  
RT: 12.773 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 75 Resp: 83519  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0

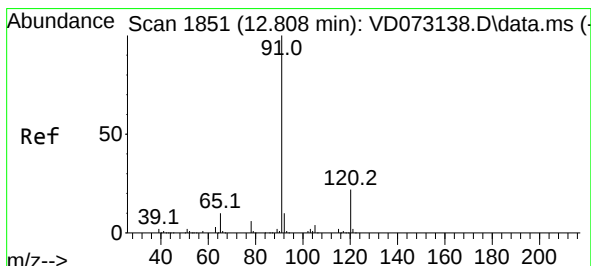
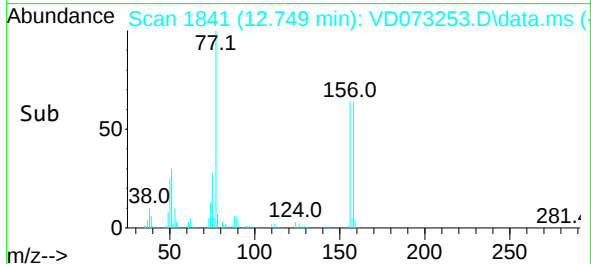
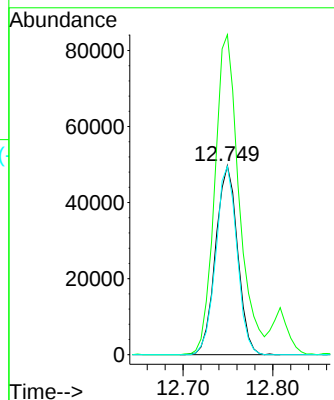
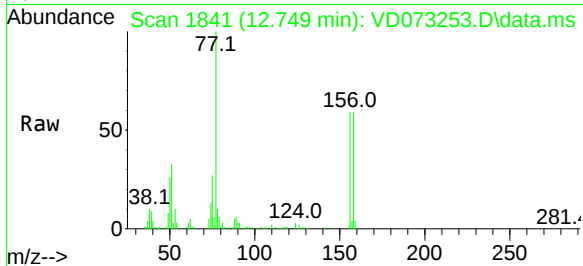




#77  
Bromobenzene  
Concen: 20.682 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

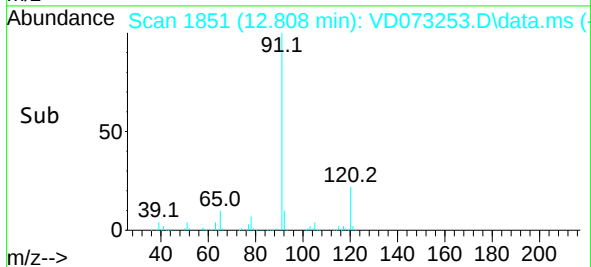
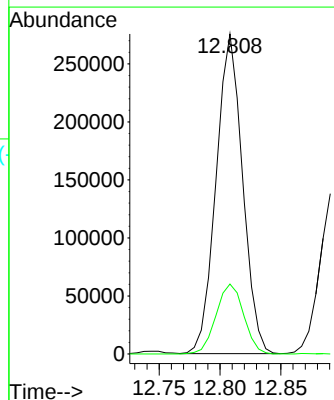
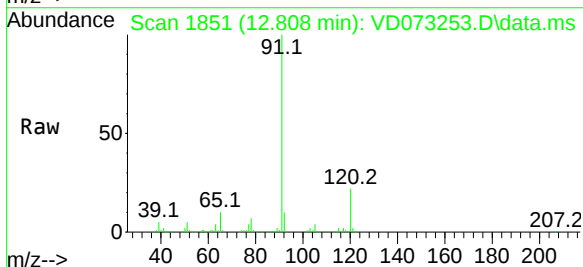
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

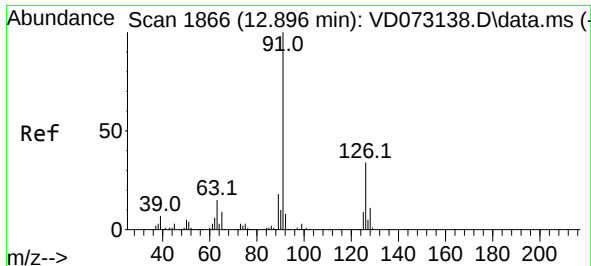
Tgt Ion:156 Resp: 84620  
Ion Ratio Lower Upper  
156 100  
77 186.8 102.8 308.3  
158 95.9 48.7 146.1



#78  
n-propylbenzene  
Concen: 19.117 ug/l  
RT: 12.808 min Scan# 1851  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 91 Resp: 417147  
Ion Ratio Lower Upper  
91 100  
120 22.8 10.9 32.9

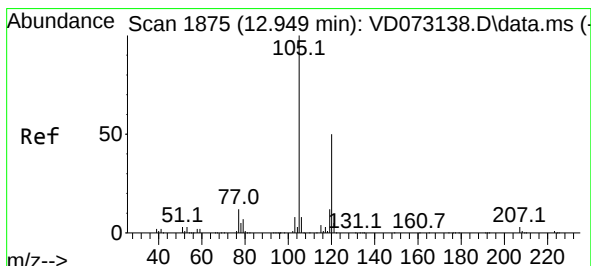
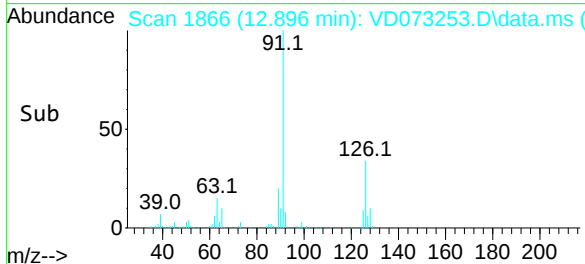
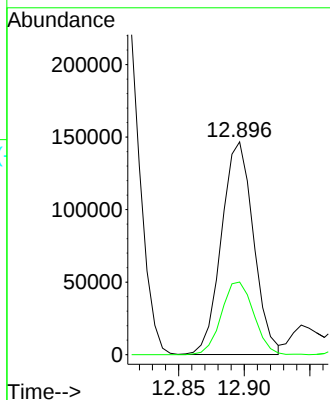
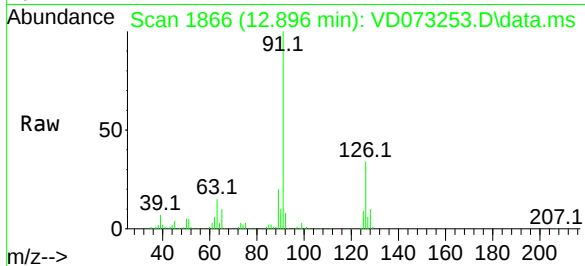




#79  
2-Chlorotoluene  
Concen: 19.781 ug/l  
RT: 12.896 min Scan# 1866  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

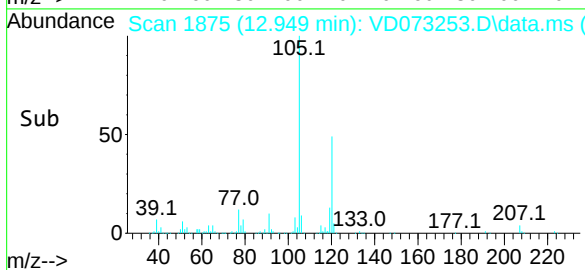
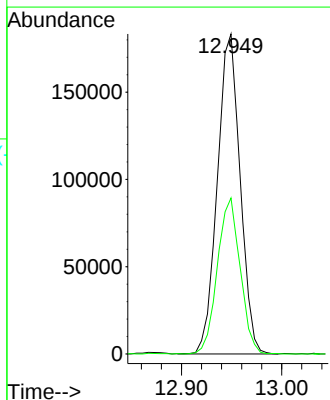
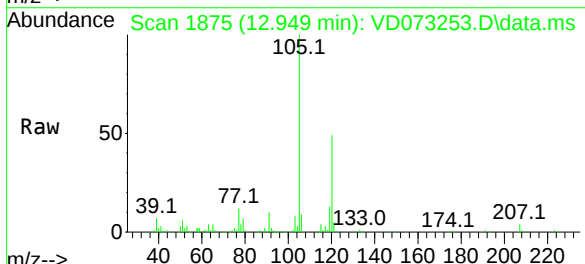
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

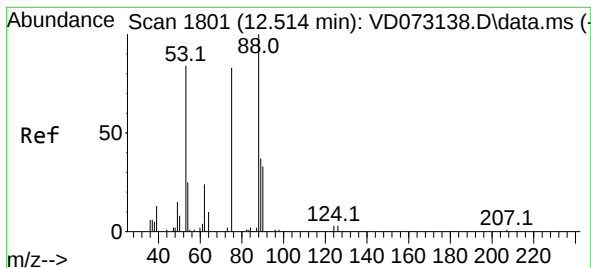
Tgt Ion: 91 Resp: 249223  
Ion Ratio Lower Upper  
91 100  
126 34.6 16.2 48.6



#80  
1,3,5-Trimethylbenzene  
Concen: 19.633 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 105 Resp: 289077  
Ion Ratio Lower Upper  
105 100  
120 48.7 24.3 72.8

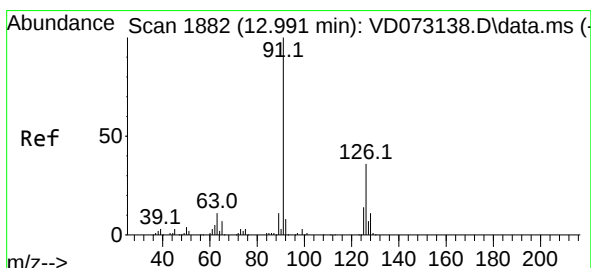
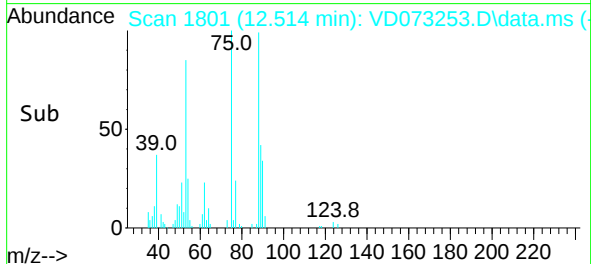
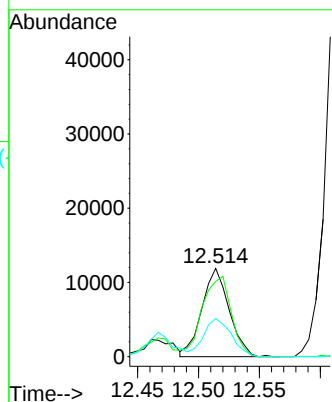
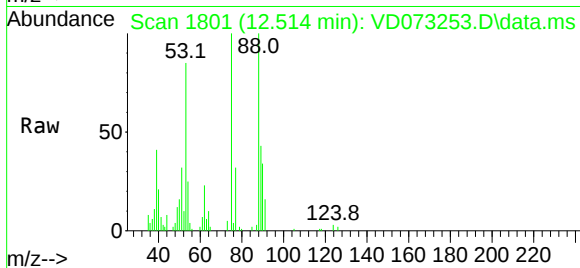




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.572 ug/l  
RT: 12.514 min Scan# 1801  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

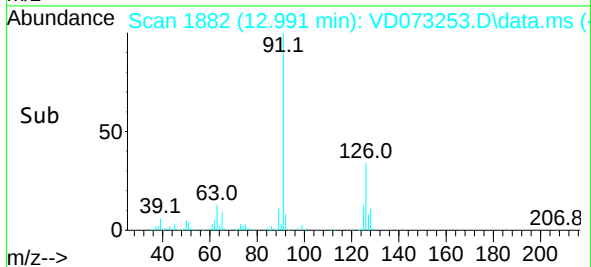
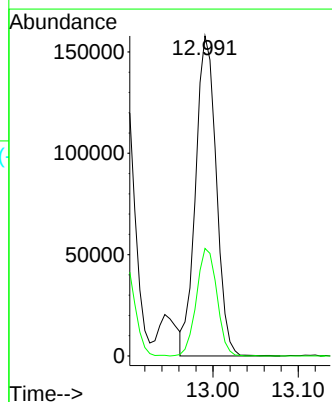
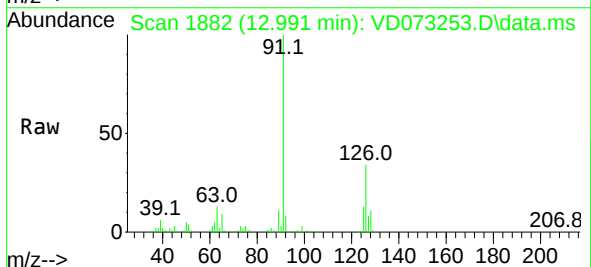
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

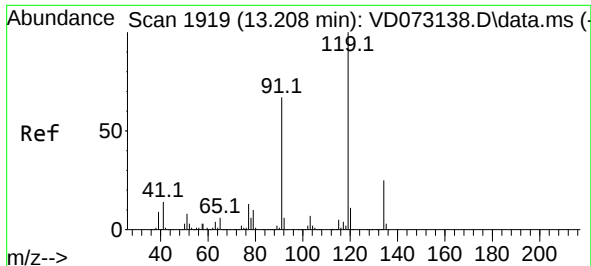
Tgt Ion: 75 Resp: 18507  
Ion Ratio Lower Upper  
75 100  
53 96.8 86.5 129.7  
89 44.1 33.9 50.9



#82  
4-Chlorotoluene  
Concen: 20.082 ug/l  
RT: 12.991 min Scan# 1882  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 91 Resp: 265205  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.5 49.5

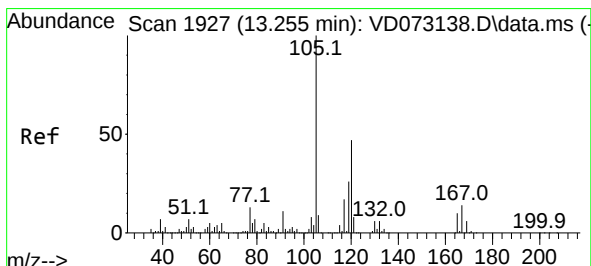
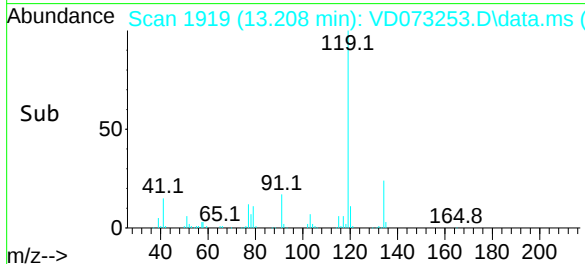
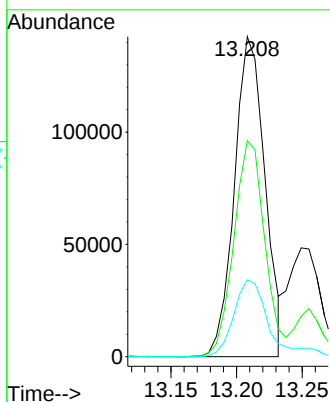
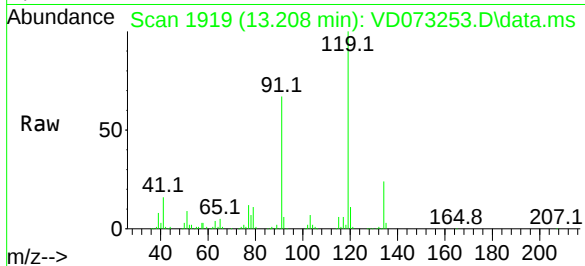




#83  
tert-Butylbenzene  
Concen: 18.574 ug/l  
RT: 13.208 min Scan# 1919  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

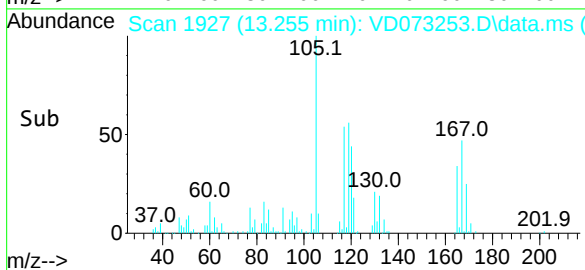
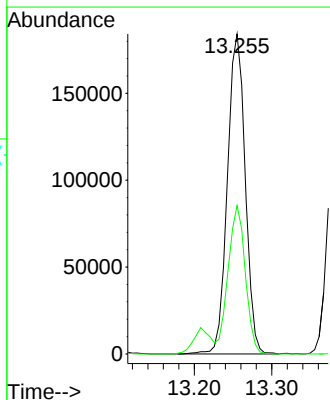
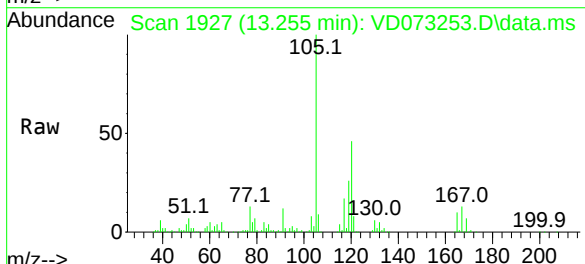
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBS02

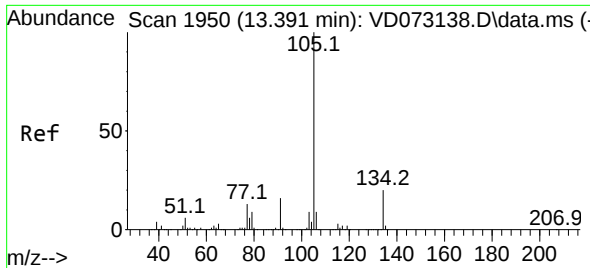
Tgt Ion:119 Resp: 230488  
Ion Ratio Lower Upper  
119 100  
91 68.7 34.8 104.5  
134 27.5 13.3 39.9



#84  
1,2,4-Trimethylbenzene  
Concen: 20.207 ug/l  
RT: 13.255 min Scan# 1927  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion:105 Resp: 293929  
Ion Ratio Lower Upper  
105 100  
120 44.9 22.3 66.8

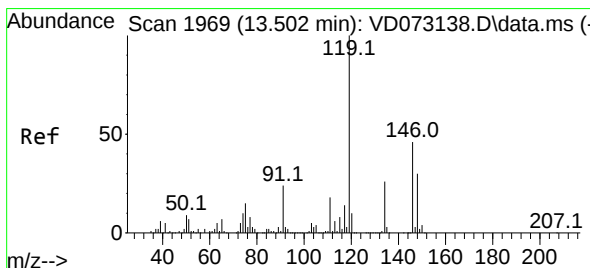
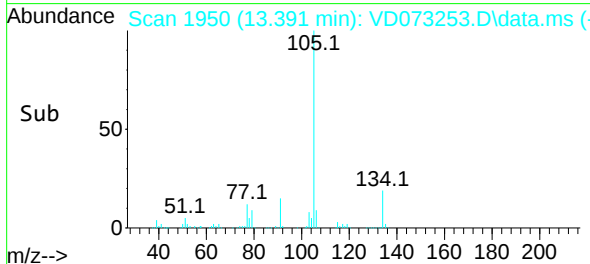
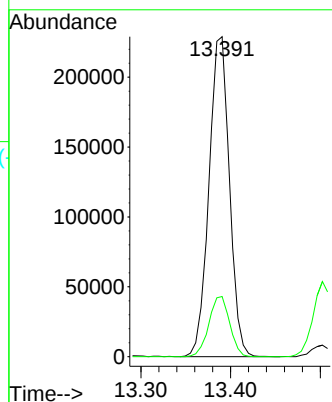
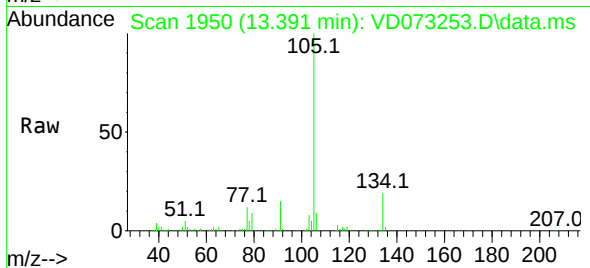




#85  
 sec-Butylbenzene  
 Concen: 19.137 ug/l  
 RT: 13.391 min Scan# 1950  
 Delta R.T. -0.000 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

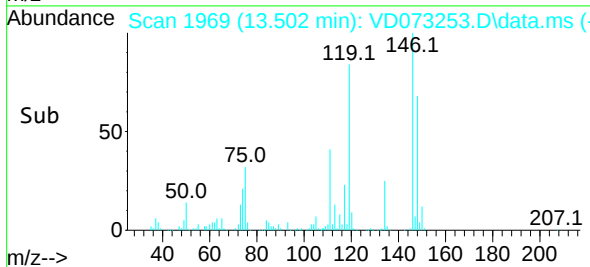
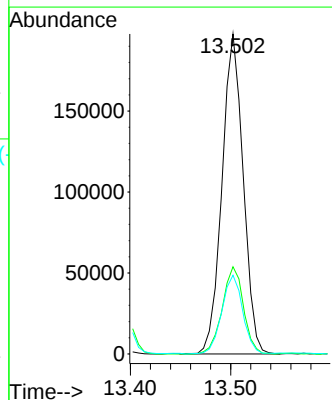
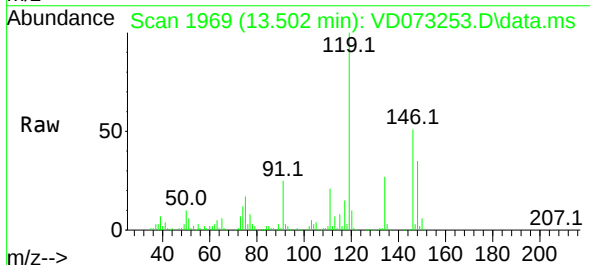
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

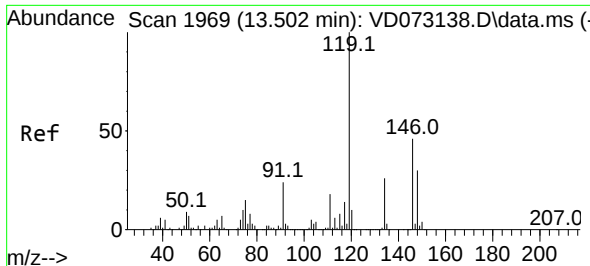
Tgt Ion:105 Resp: 362592  
 Ion Ratio Lower Upper  
 105 100  
 134 19.1 9.8 29.3



#86  
 p-Isopropyltoluene  
 Concen: 18.743 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. 0.000 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion:119 Resp: 289493  
 Ion Ratio Lower Upper  
 119 100  
 134 27.2 12.9 38.6  
 91 24.4 12.1 36.3

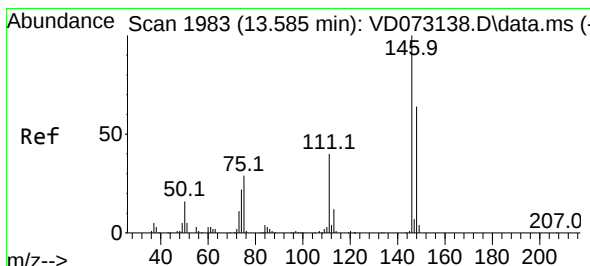
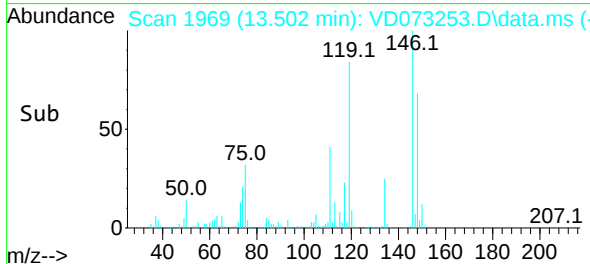
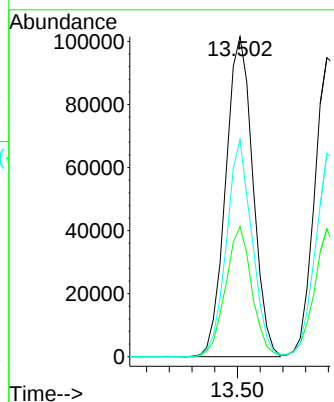
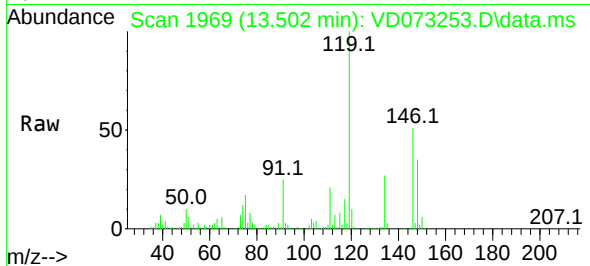




#87  
 1,3-Dichlorobenzene  
 Concen: 20.506 ug/l  
 RT: 13.502 min Scan# 1969  
 Delta R.T. 0.000 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

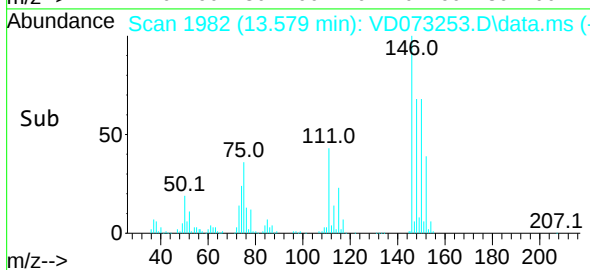
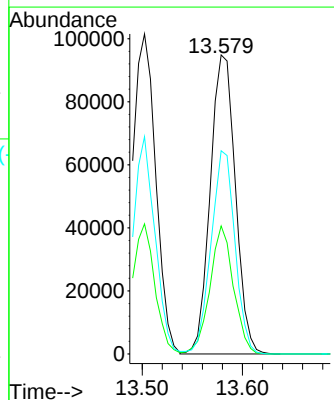
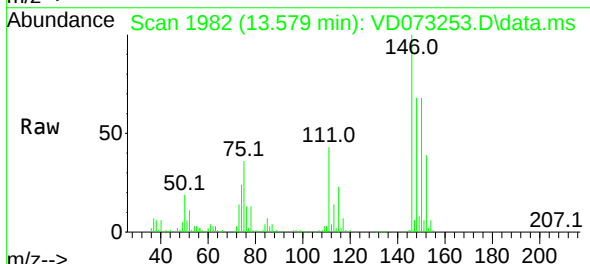
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0521SBSD02

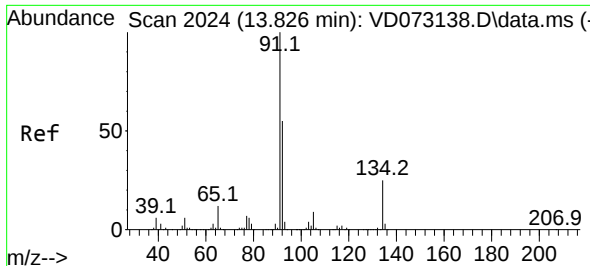
Tgt Ion:146 Resp: 169119  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 20.4 61.3  
 148 63.6 31.9 95.7



#88  
 1,4-Dichlorobenzene  
 Concen: 19.821 ug/l  
 RT: 13.579 min Scan# 1982  
 Delta R.T. -0.006 min  
 Lab File: VD073253.D  
 Acq: 22 May 2022 04:07

Tgt Ion:146 Resp: 165008  
 Ion Ratio Lower Upper  
 146 100  
 111 40.2 20.3 60.9  
 148 64.7 31.7 95.1

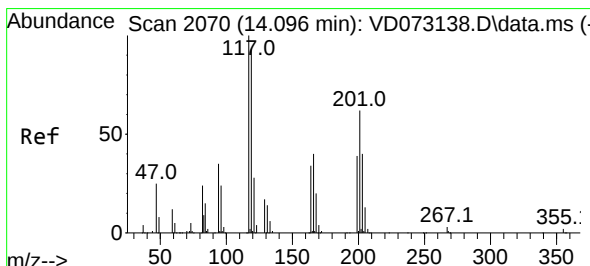
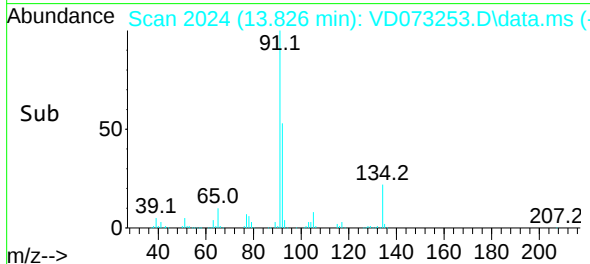
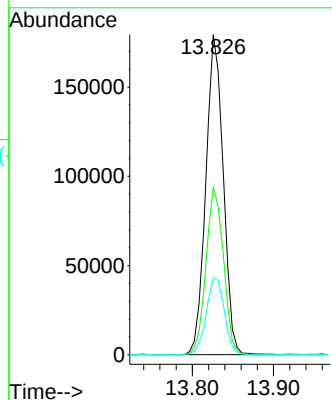
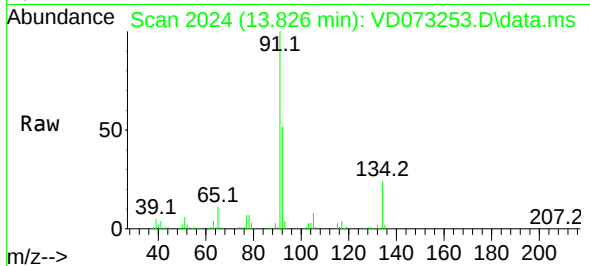




#89  
n-Butylbenzene  
Concen: 18.160 ug/l  
RT: 13.826 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

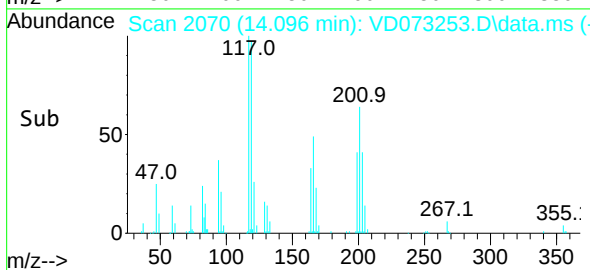
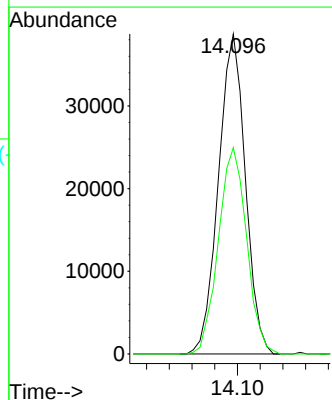
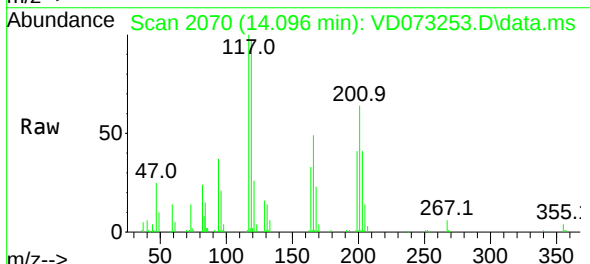
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

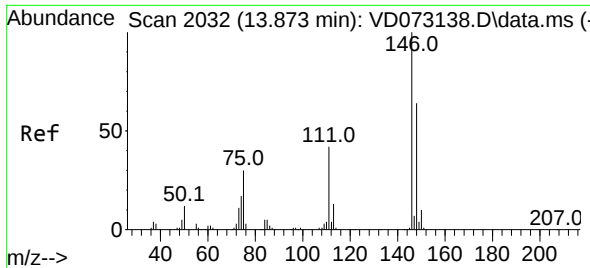
Tgt Ion: 91 Resp: 267254  
Ion Ratio Lower Upper  
91 100  
92 52.4 26.6 79.8  
134 25.0 12.3 36.9



#90  
Hexachloroethane  
Concen: 19.901 ug/l  
RT: 14.096 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 117 Resp: 63603  
Ion Ratio Lower Upper  
117 100  
201 67.7 33.4 100.2

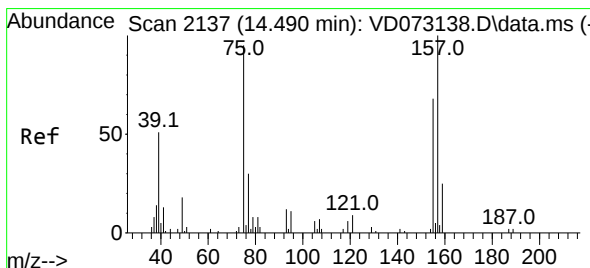
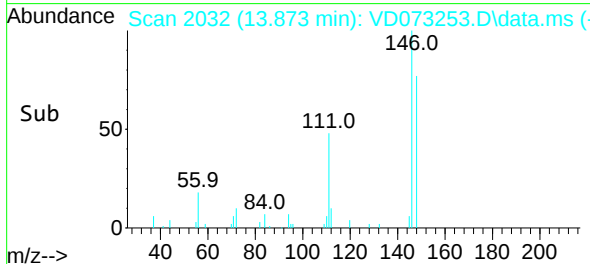
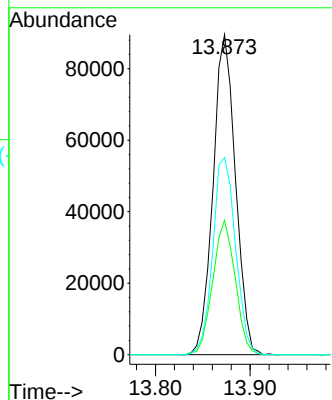
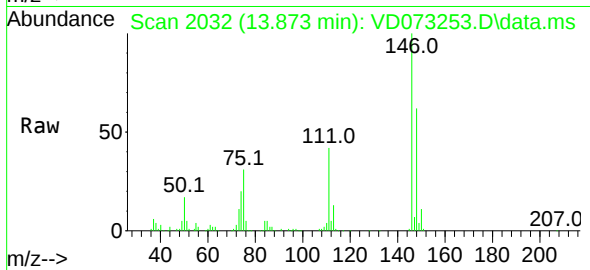




#91  
1,2-Dichlorobenzene  
Concen: 20.640 ug/l  
RT: 13.873 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

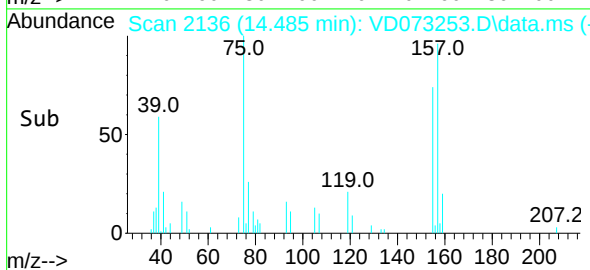
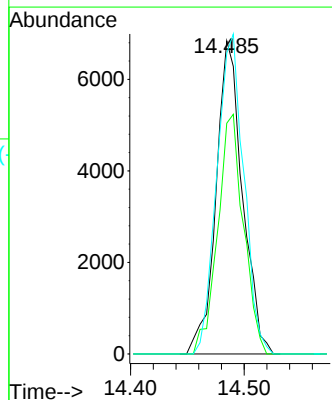
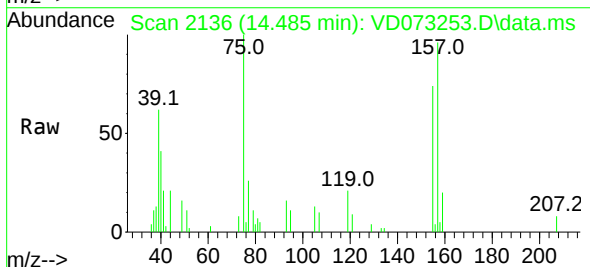
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0521SBSD02

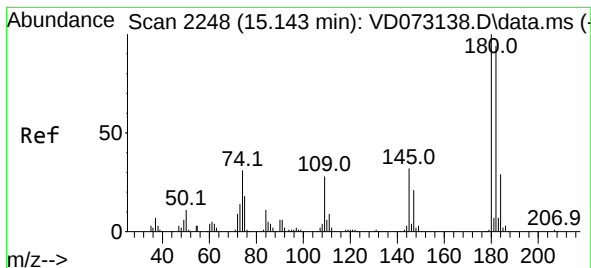
Tgt Ion:146 Resp: 147282  
Ion Ratio Lower Upper  
146 100  
111 42.0 21.1 63.3  
148 62.7 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 22.554 ug/l  
RT: 14.485 min Scan# 2136  
Delta R.T. -0.005 min  
Lab File: VD073253.D  
Acq: 22 May 2022 04:07

Tgt Ion: 75 Resp: 11072  
Ion Ratio Lower Upper  
75 100  
155 74.6 36.8 110.3  
157 103.9 48.4 145.0





#93

1,2,4-Trichlorobenzene

Concen: 19.346 ug/l

RT: 15.143 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

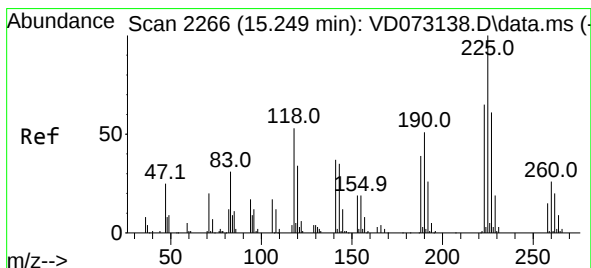
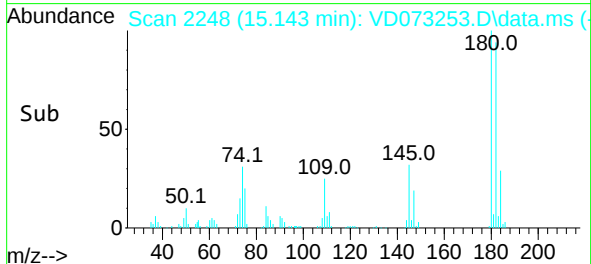
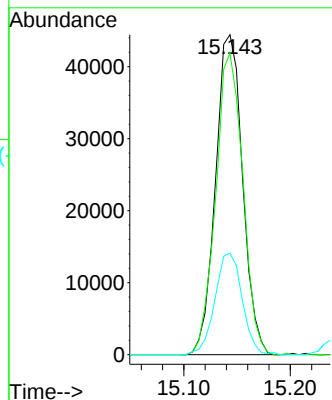
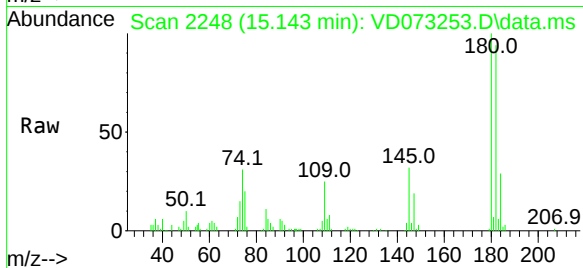
Tgt Ion:180 Resp: 78374

Ion Ratio Lower Upper

180 100

182 94.7 47.3 142.0

145 31.9 16.2 48.5



#94

Hexachlorobutadiene

Concen: 18.813 ug/l

RT: 15.249 min Scan# 2266

Delta R.T. 0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

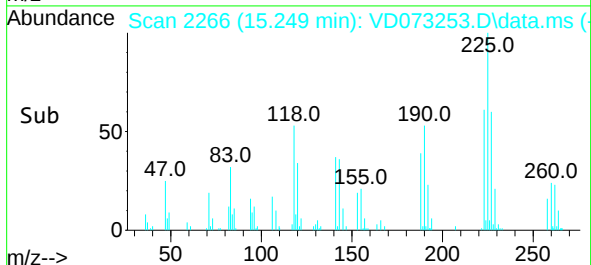
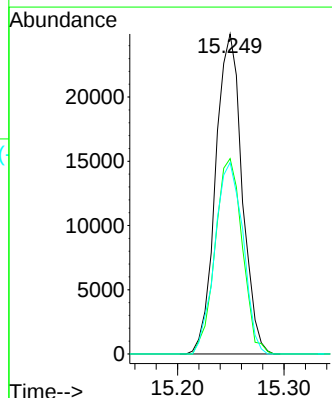
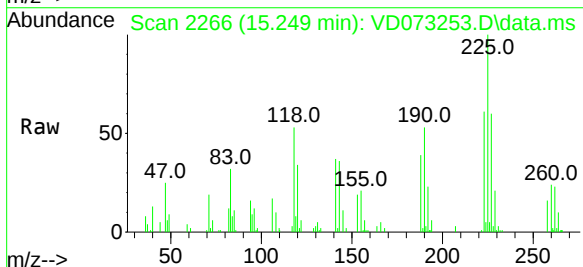
Tgt Ion:225 Resp: 42948

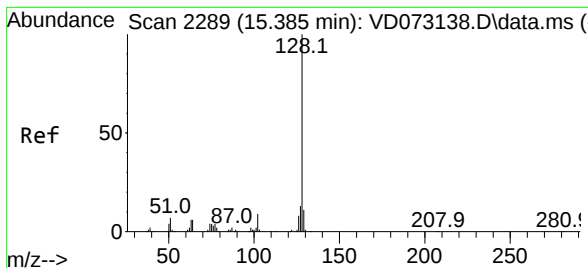
Ion Ratio Lower Upper

225 100

223 62.6 31.1 93.2

227 63.7 32.4 97.0





#95

Naphthalene

Concen: 20.187 ug/l

RT: 15.379 min Scan# 2288

Delta R.T. -0.006 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Instrument :

MSVOA\_D

ClientSampleId :

VD0521SBSD02

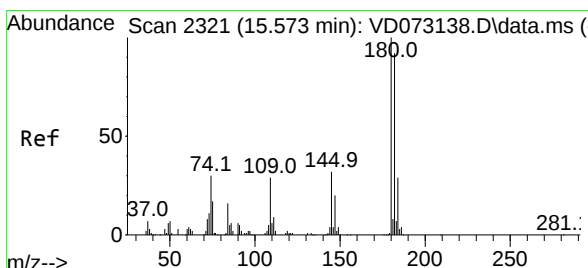
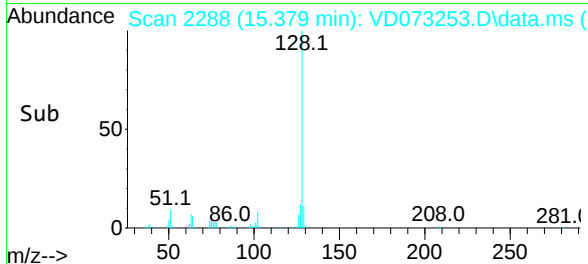
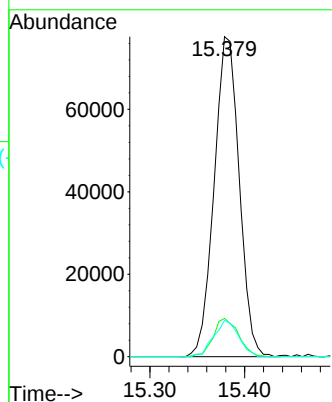
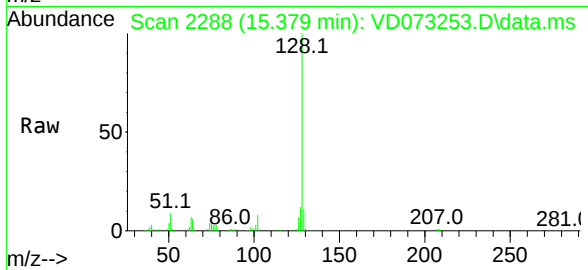
Tgt Ion:128 Resp: 142929

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 11.2 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 19.443 ug/l

RT: 15.573 min Scan# 2321

Delta R.T. -0.000 min

Lab File: VD073253.D

Acq: 22 May 2022 04:07

Tgt Ion:180 Resp: 69829

Ion Ratio Lower Upper

180 100

182 93.8 47.6 142.9

145 34.5 17.1 51.3

