

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120921\  
 Data File : VD071221.D  
 Acq On : 09 Dec 2021 11:36  
 Operator : VA/SY  
 Sample : VD1209SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 10 06:41:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.979  | 168   | 245687   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861  | 114   | 407960   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638 | 117   | 365936   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567 | 152   | 174266   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332  | 65    | 133728   | 46.387   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 92.780%  |
| 35) Dibromofluoromethane     | 7.914  | 113   | 126357   | 48.639   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 97.280%  |
| 50) Toluene-d8               | 10.338 | 98    | 457022   | 46.229   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 92.460%  |
| 62) 4-Bromofluorobenzene     | 12.626 | 95    | 161890   | 47.241   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 94.480%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991  | 85    | 40367    | 19.267   | ug/l   | 97       |
| 3) Chloromethane             | 2.215  | 50    | 53958    | 19.467   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.356  | 62    | 63226    | 20.446   | ug/l   | 96       |
| 5) Bromomethane              | 2.768  | 94    | 46786    | 20.988   | ug/l   | 96       |
| 6) Chloroethane              | 2.926  | 64    | 44028    | 20.700   | ug/l # | 84       |
| 7) Trichlorofluoromethane    | 3.285  | 101   | 79803    | 19.050   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.715  | 74    | 17509    | 15.417   | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 4.109  | 101   | 45480    | 18.402   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.309  | 142   | 34221    | 15.385   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 5.203  | 59    | 27645    | 106.756  | ug/l # | 76       |
| 12) 1,1-Dichloroethene       | 4.073  | 96    | 40550    | 17.779   | ug/l   | 83       |
| 13) Acrolein                 | 3.926  | 56    | 14775    | 74.998   | ug/l   | 94       |
| 14) Allyl chloride           | 4.720  | 41    | 74284    | 17.147   | ug/l # | 80       |
| 15) Acrylonitrile            | 5.432  | 53    | 47526    | 86.049   | ug/l # | 80       |
| 16) Acetone                  | 4.162  | 43    | 49077    | 87.009   | ug/l # | 83       |
| 17) Carbon Disulfide         | 4.409  | 76    | 119518   | 17.898   | ug/l   | 96       |
| 18) Methyl Acetate           | 4.715  | 43    | 34791    | 16.357   | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 5.473  | 73    | 93462    | 16.721   | ug/l   | 99       |
| 20) Methylene Chloride       | 4.968  | 84    | 55761    | 16.358   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.479  | 96    | 46134    | 17.969   | ug/l   | 85       |
| 22) Diisopropyl ether        | 6.367  | 45    | 151386   | 17.441   | ug/l   | 90       |
| 23) Vinyl Acetate            | 6.309  | 43    | 331380   | 90.131   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.267  | 63    | 91740    | 18.376   | ug/l   | 97       |
| 25) 2-Butanone               | 7.214  | 43    | 62369    | 90.900   | ug/l # | 84       |
| 26) 2,2-Dichloropropane      | 7.214  | 77    | 72981    | 16.076   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.214  | 96    | 50860    | 17.510   | ug/l   | 89       |
| 28) Bromochloromethane       | 7.544  | 49    | 44877    | 20.696   | ug/l   | 92       |
| 29) Tetrahydrofuran          | 7.567  | 42    | 38943    | 85.071   | ug/l   | 92       |
| 30) Chloroform               | 7.714  | 83    | 89971    | 17.957   | ug/l   | 95       |
| 31) Cyclohexane              | 7.991  | 56    | 86998    | 17.741   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 7.903  | 97    | 82607    | 18.364   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.114  | 75    | 71096    | 18.646   | ug/l   | 95       |
| 37) Ethyl Acetate            | 7.291  | 43    | 28476    | 17.289   | ug/l # | 87       |
| 38) Carbon Tetrachloride     | 8.097  | 117   | 70859    | 18.853   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.356  | 83    | 80937    | 17.648   | ug/l   | 94       |
| 40) Benzene                  | 8.350  | 78    | 187728   | 18.126   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120921\  
 Data File : VD071221.D  
 Acq On : 09 Dec 2021 11:36  
 Operator : VA/SY  
 Sample : VD1209SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 10 06:41:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 29 17:54:09 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.526  | 41   | 15231    | 20.126  | ug/l # | 83       |
| 42) 1,2-Dichloroethane        | 8.426  | 62   | 57294    | 18.123  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 55851    | 19.024  | ug/l # | 90       |
| 44) Trichloroethene           | 9.108  | 130  | 51506    | 18.652  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 51186    | 18.793  | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 24437    | 17.293  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.661  | 83   | 68110    | 18.225  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.456  | 41   | 27208    | 16.876  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.461  | 88   | 5318     | 389.861 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.226 | 43   | 135786   | 94.799  | ug/l   | 90       |
| 52) Toluene                   | 10.403 | 92   | 122385   | 18.624  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 58025    | 16.888  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 71621    | 17.548  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 33504    | 18.073  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 38019    | 18.515  | ug/l # | 73       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 59699    | 18.332  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 125820   | 99.741  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.979 | 43   | 94621    | 92.837  | ug/l   | 87       |
| 60) Dibromochloromethane      | 11.138 | 129  | 40337    | 17.508  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 31314    | 17.588  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.873 | 164  | 41399    | 17.820  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.667 | 112  | 124252   | 18.300  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 45955    | 18.537  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.738 | 91   | 226241   | 17.700  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.850 | 106  | 169994   | 35.228  | ug/l   | 96       |
| 69) o-Xylene                  | 12.173 | 106  | 79241    | 17.472  | ug/l   | 95       |
| 70) Styrene                   | 12.185 | 104  | 133802   | 17.505  | ug/l   | 98       |
| 71) Bromoform                 | 12.349 | 173  | 22023    | 17.148  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.473 | 105  | 217994   | 17.276  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.279 | 43   | 46982    | 17.750  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.726 | 83   | 36429    | 17.531  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 45135    | 27.184  | ug/l   | 44       |
| 77) Bromobenzene              | 12.755 | 156  | 46018    | 16.837  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.814 | 91   | 273881   | 17.429  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.897 | 91   | 148869   | 16.879  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 177390   | 17.048  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 8459     | 16.313  | ug/l # | 64       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 158467   | 17.307  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 152014   | 17.011  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 176694   | 17.393  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 237556   | 17.405  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 192277   | 17.224  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 96190    | 17.680  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 94708    | 17.570  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.832 | 91   | 189519   | 17.392  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.096 | 117  | 35926    | 16.977  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 82842    | 17.905  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.491 | 75   | 5863     | 17.326  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 45802    | 15.870  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 28815    | 17.646  | ug/l   | 97       |
| 95) Naphthalene               | 15.385 | 128  | 79123    | 15.552  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 38745    | 15.806  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120921\  
Data File : VD071221.D  
Acq On : 09 Dec 2021 11:36  
Operator : VA/SY  
Sample : VD1209SBS01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 1 Sample Multiplier: 1

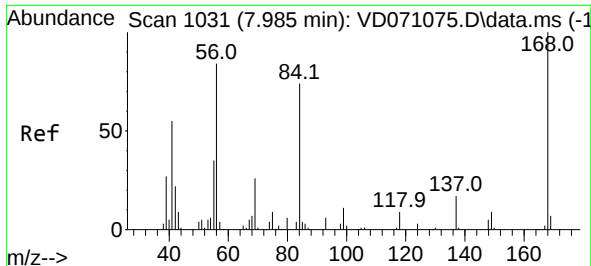
Instrument :  
MSVOA\_D  
ClientSampleId :

Quant Time: Dec 10 06:41:59 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D112921S.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

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

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

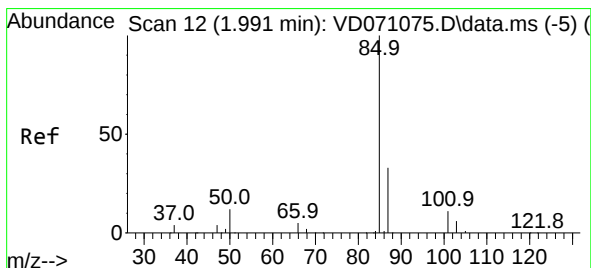
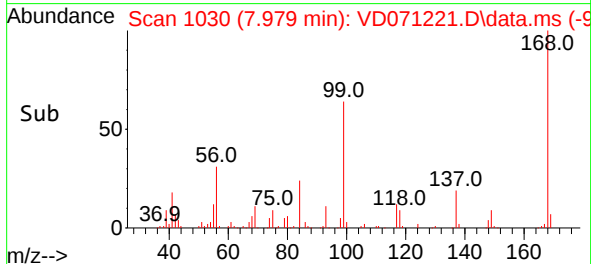
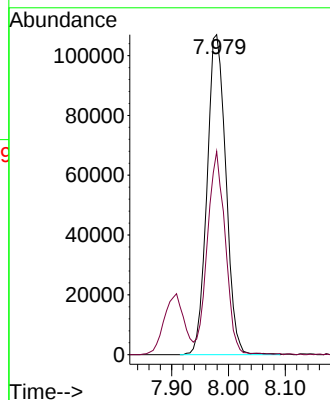
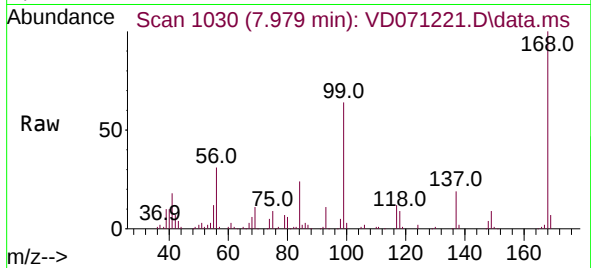




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

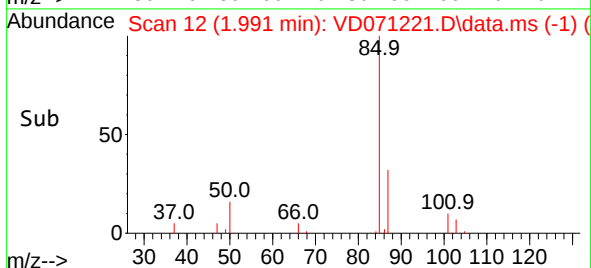
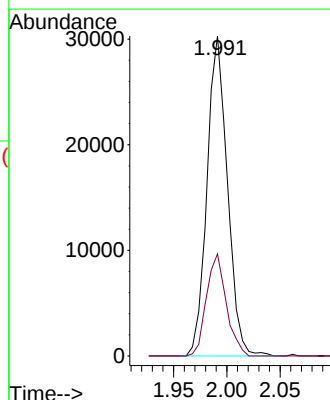
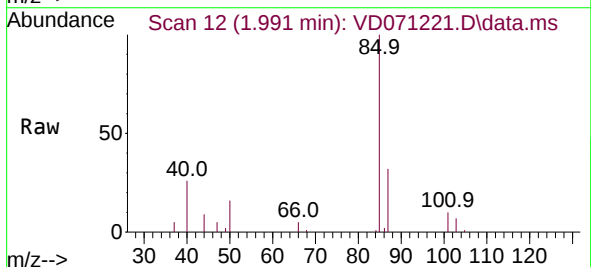
Instrument :  
MSVOA\_D  
ClientSampleId :

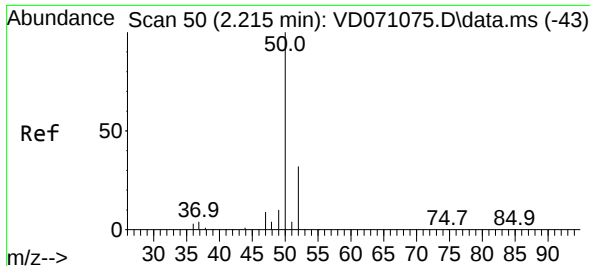
Tgt Ion:168 Resp: 245687  
Ion Ratio Lower Upper  
168 100  
99 63.1 46.6 69.8



#2  
Dichlorodifluoromethane  
Concen: 19.267 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 85 Resp: 40367  
Ion Ratio Lower Upper  
85 100  
87 31.9 15.2 45.6

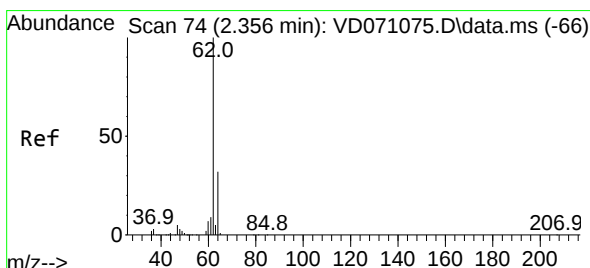
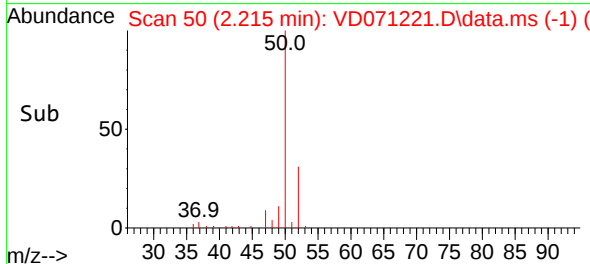
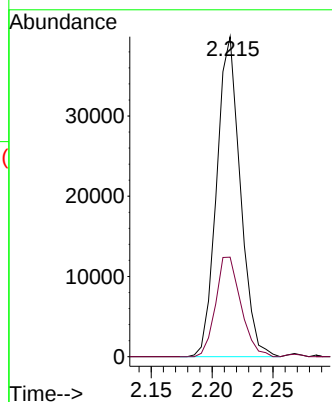
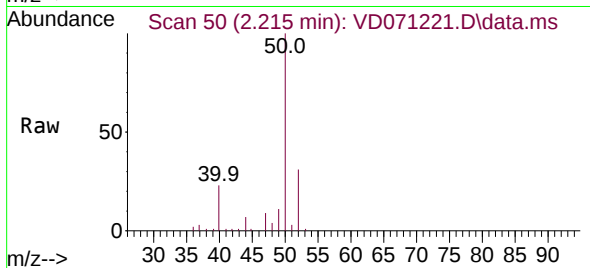




#3  
Chloromethane  
Concen: 19.467 ug/l  
RT: 2.215 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

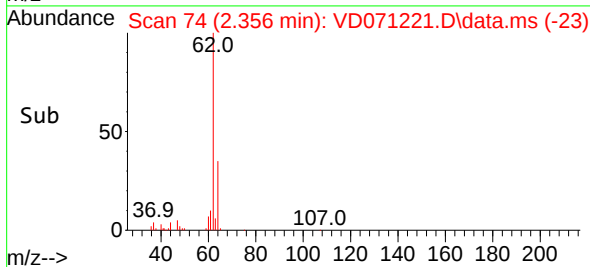
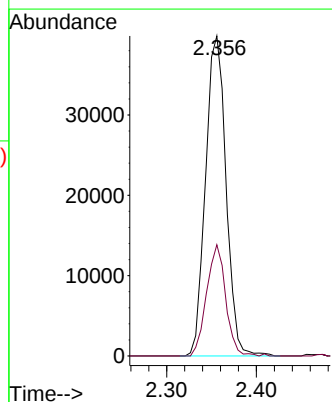
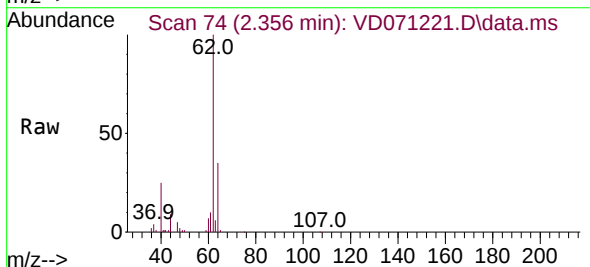
Instrument :  
MSVOA\_D  
ClientSampleId :

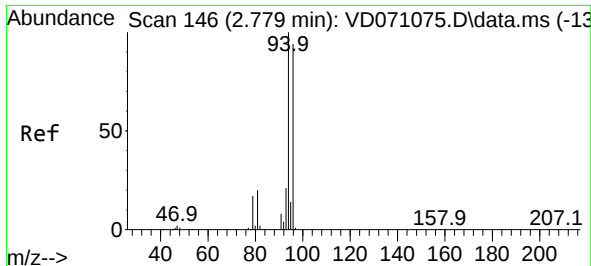
Tgt Ion: 50 Resp: 53958  
Ion Ratio Lower Upper  
50 100  
52 31.1 25.8 38.8



#4  
Vinyl Chloride  
Concen: 20.446 ug/l  
RT: 2.356 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

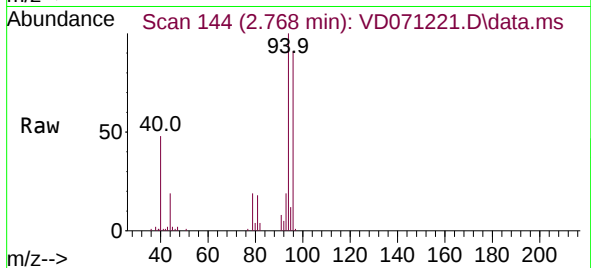
Tgt Ion: 62 Resp: 63226  
Ion Ratio Lower Upper  
62 100  
64 34.8 26.0 39.0



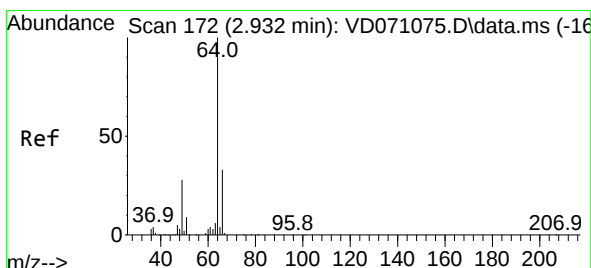
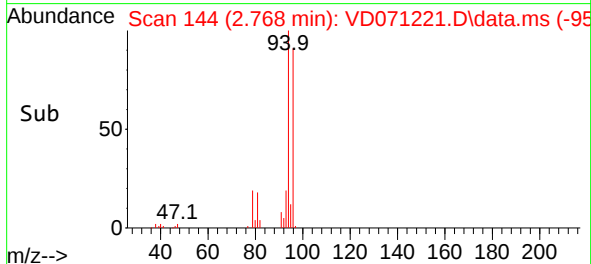
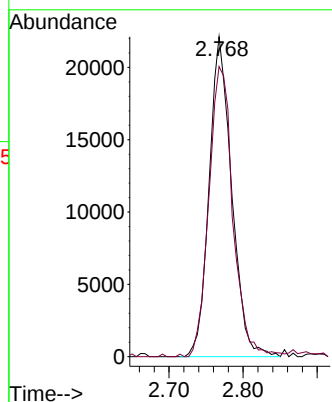


#5  
Bromomethane  
Concen: 20.988 ug/l  
RT: 2.768 min Scan# 146  
Delta R.T. -0.011 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :

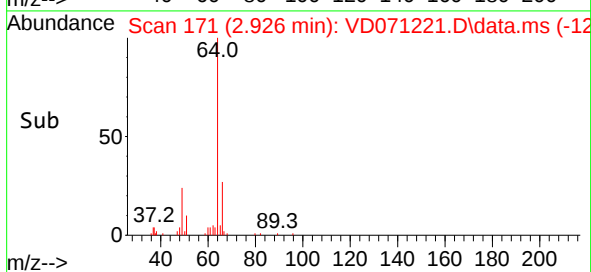
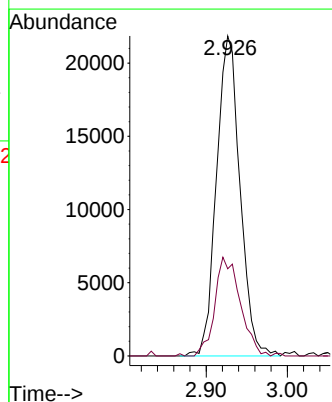
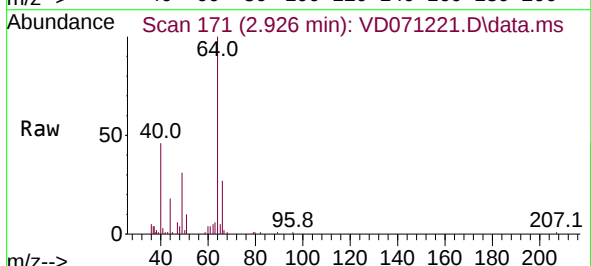


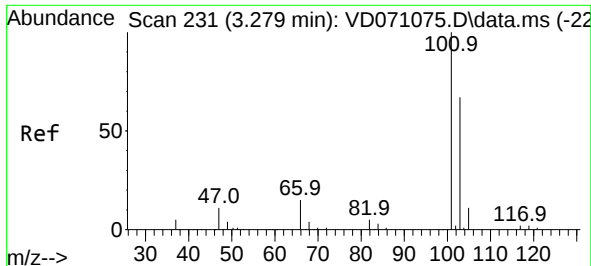
Tgt Ion: 94 Resp: 46786  
Ion Ratio Lower Upper  
94 100  
96 89.8 74.8 112.2



#6  
Chloroethane  
Concen: 20.700 ug/l  
RT: 2.926 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 64 Resp: 44028  
Ion Ratio Lower Upper  
64 100  
66 26.5 29.0 43.4#

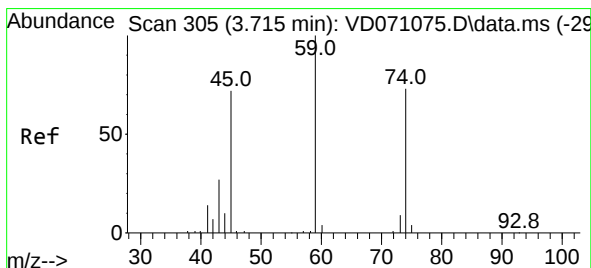
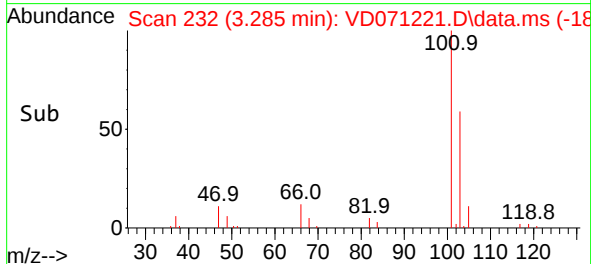
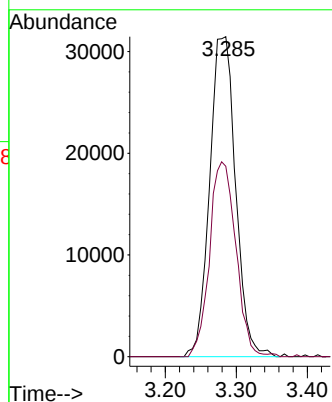
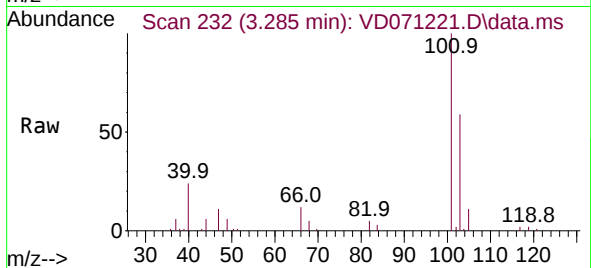




#7  
 Trichlorofluoromethane  
 Concen: 19.050 ug/l  
 RT: 3.285 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

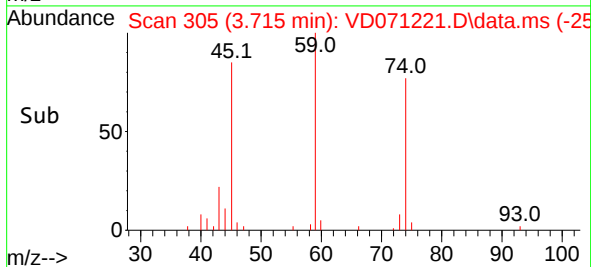
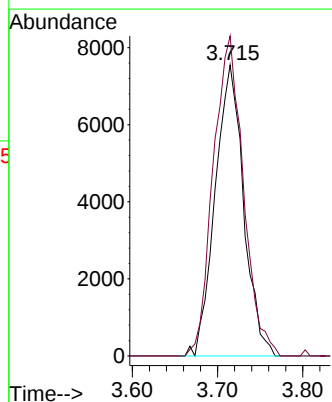
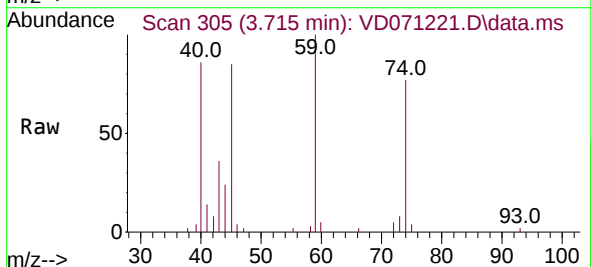
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion:101 Resp: 79803  
 Ion Ratio Lower Upper  
 101 100  
 103 59.5 49.7 74.5



#8  
 Diethyl Ether  
 Concen: 15.417 ug/l  
 RT: 3.715 min Scan# 305  
 Delta R.T. -0.000 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

Tgt Ion: 74 Resp: 17509  
 Ion Ratio Lower Upper  
 74 100  
 45 116.2 49.6 149.0

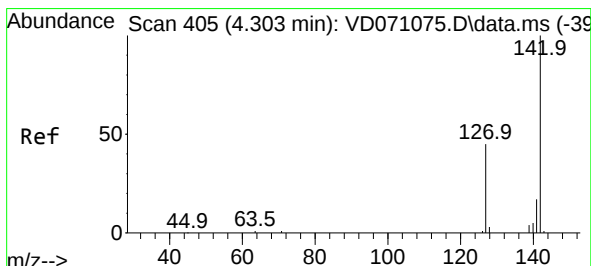
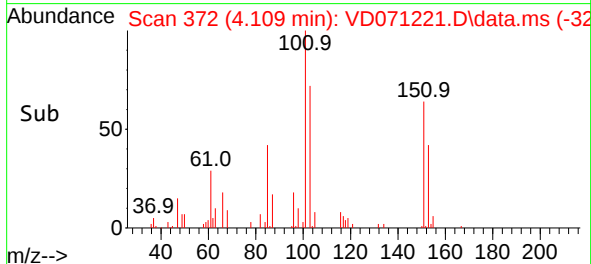
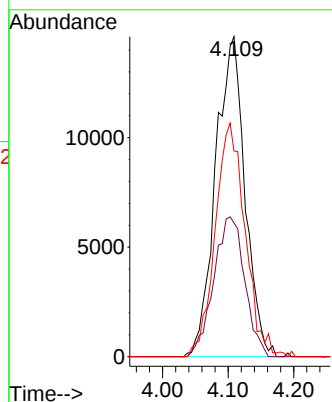
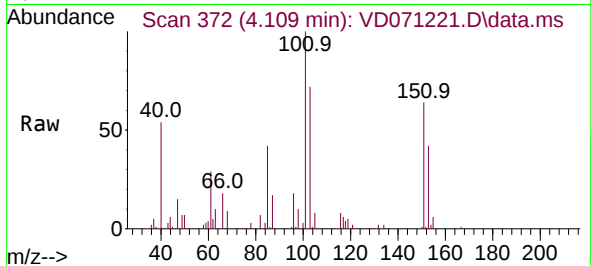




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.402 ug/l  
RT: 4.109 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

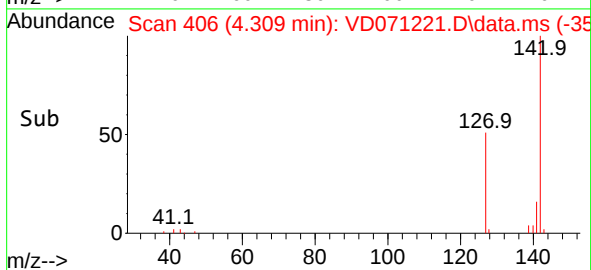
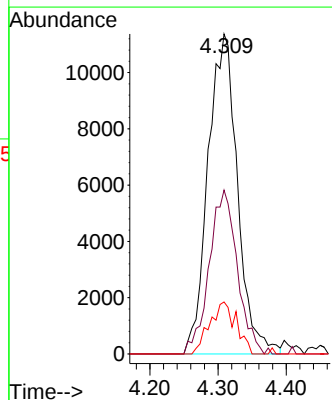
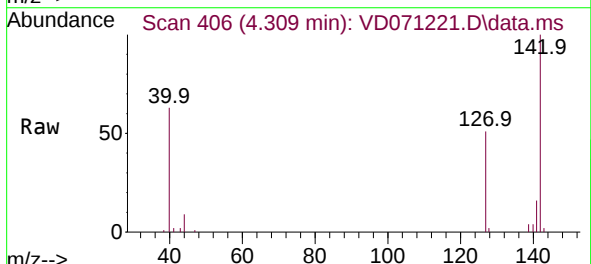
Instrument :  
MSVOA\_D  
ClientSampleId :

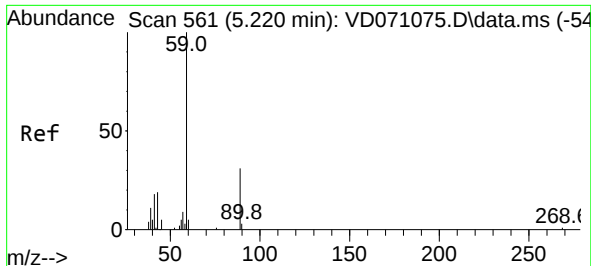
Tgt Ion:101 Resp: 45480  
Ion Ratio Lower Upper  
101 100  
85 46.0 34.8 52.2  
151 74.2 60.4 90.6



#10  
Methyl Iodide  
Concen: 15.385 ug/l  
RT: 4.309 min Scan# 406  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:142 Resp: 34221  
Ion Ratio Lower Upper  
142 100  
127 48.7 35.0 52.4  
141 14.6 12.0 18.0





#11

Tert butyl alcohol

Concen: 106.756 ug/l

RT: 5.203 min Scan# 51

Delta R.T. -0.017 min

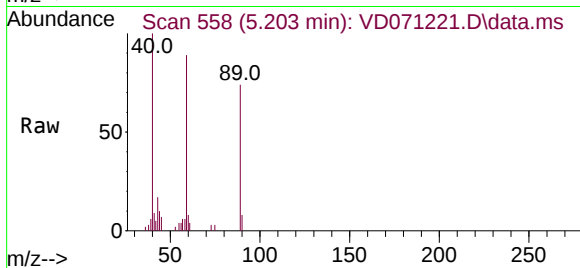
Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

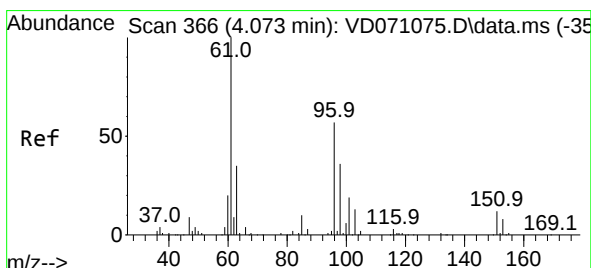
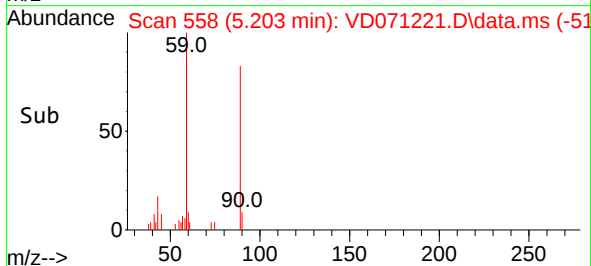
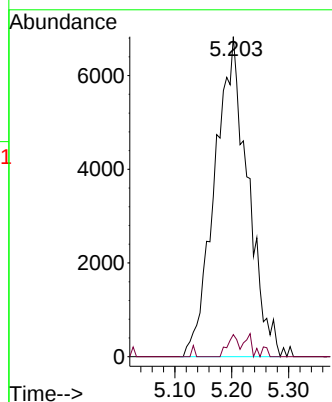


Tgt Ion: 59 Resp: 27645

Ion Ratio Lower Upper

59 100

57 2.2 9.0 13.4#



#12

1,1-Dichloroethene

Concen: 17.779 ug/l

RT: 4.073 min Scan# 366

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

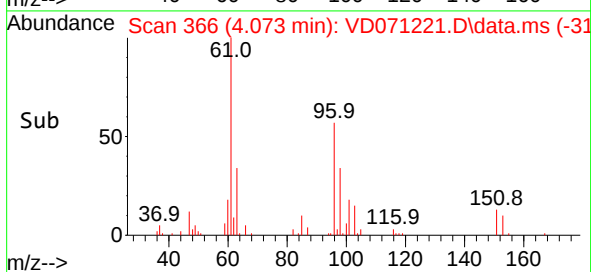
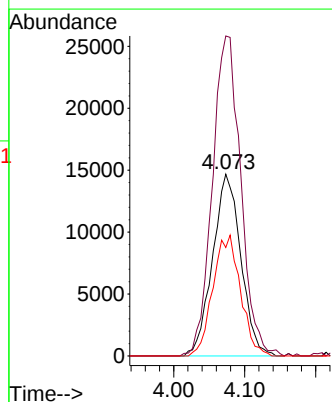
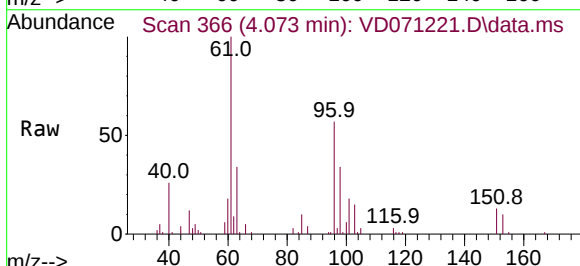
Tgt Ion: 96 Resp: 40550

Ion Ratio Lower Upper

96 100

61 176.0 120.3 180.5

98 59.6 54.4 81.6

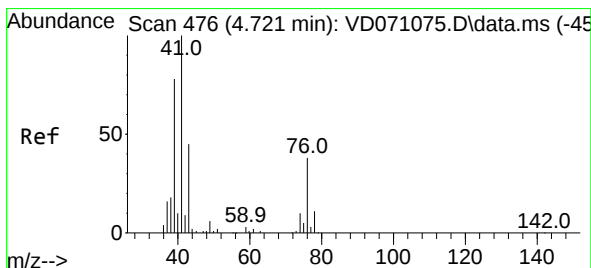
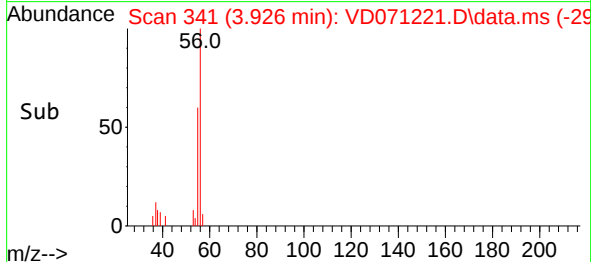
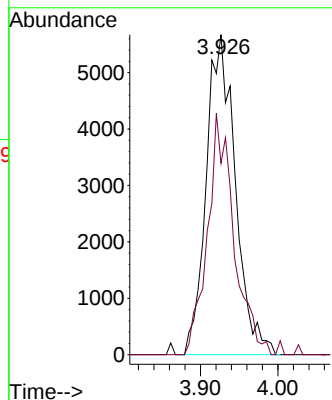
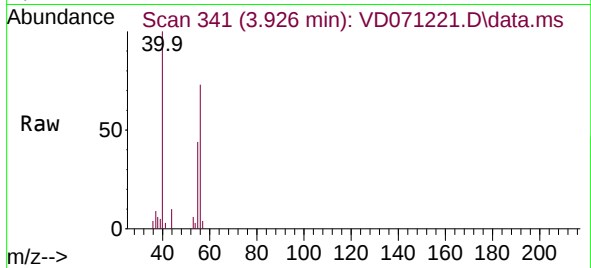




#13  
Acrolein  
Concen: 74.998 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

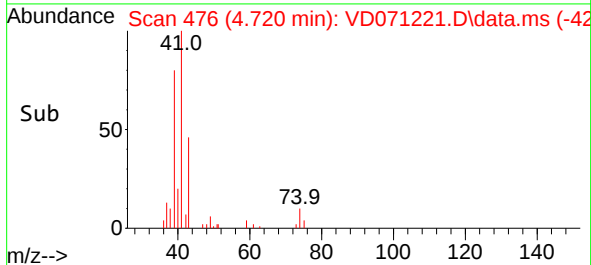
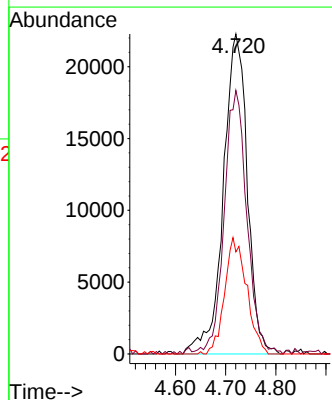
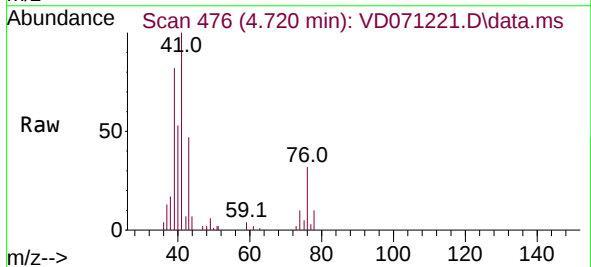
Instrument :  
MSVOA\_D  
ClientSampleId :

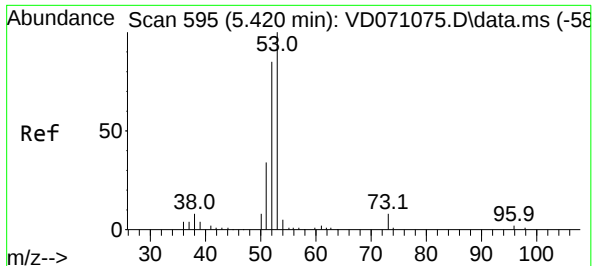
Tgt Ion: 56 Resp: 14775  
Ion Ratio Lower Upper  
56 100  
55 68.5 58.6 87.8



#14  
Allyl chloride  
Concen: 17.147 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. -0.001 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 41 Resp: 74284  
Ion Ratio Lower Upper  
41 100  
39 77.8 45.6 68.4#  
76 33.1 30.2 45.4

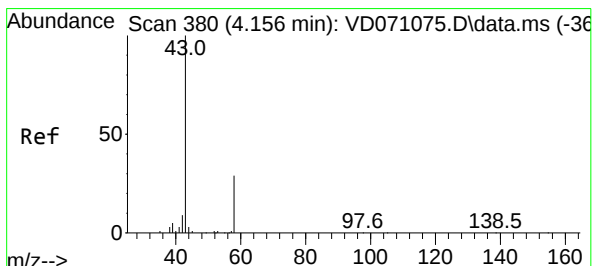
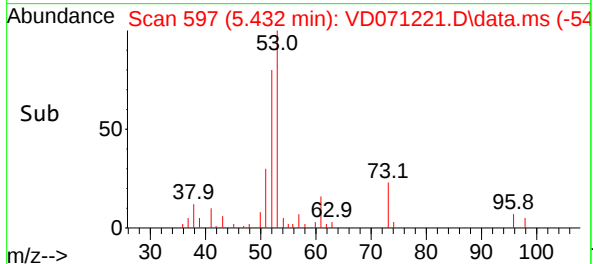
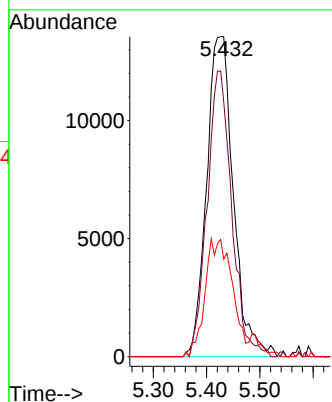
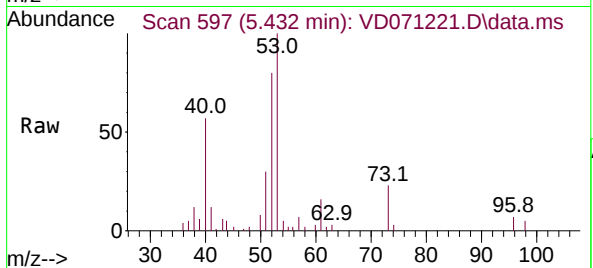




#15  
Acrylonitrile  
Concen: 86.049 ug/l  
RT: 5.432 min Scan# 595  
Delta R.T. 0.012 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

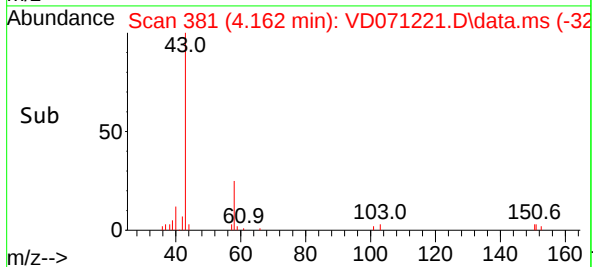
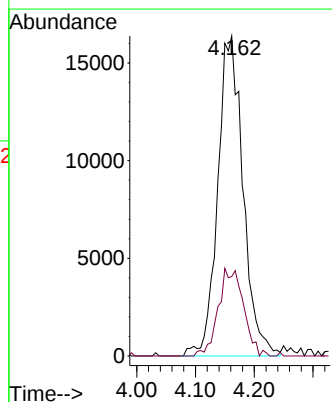
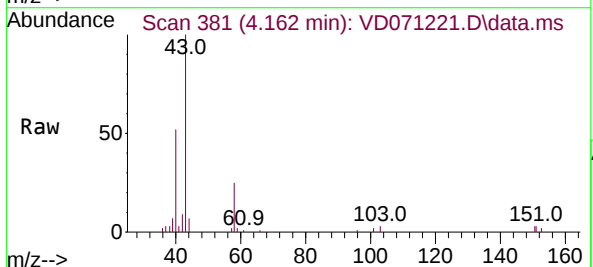
Instrument :  
MSVOA\_D  
ClientSampleId :

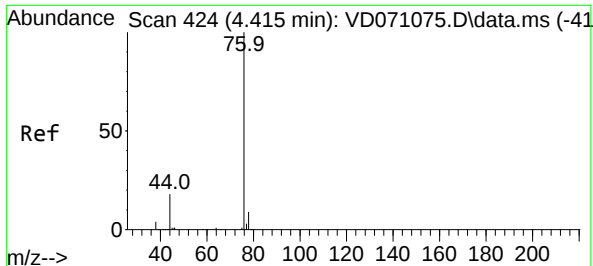
Tgt Ion: 53 Resp: 47526  
Ion Ratio Lower Upper  
53 100  
52 81.8 63.8 95.8  
51 0.0 28.5 42.7#



#16  
Acetone  
Concen: 87.009 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

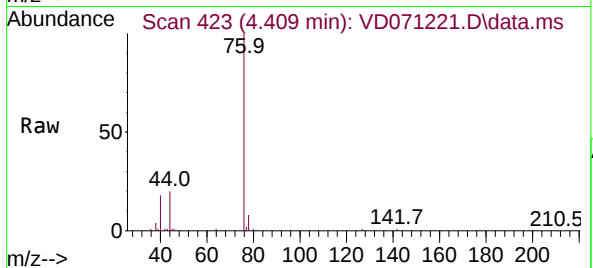
Tgt Ion: 43 Resp: 49077  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.8 41.8#



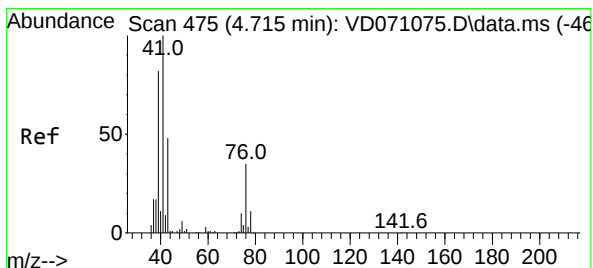
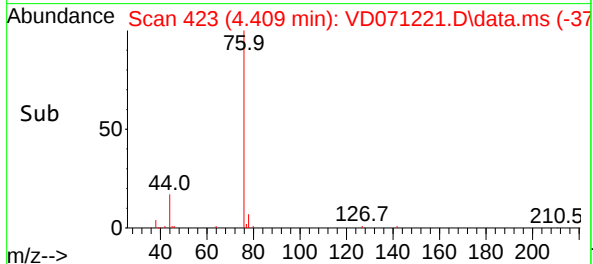
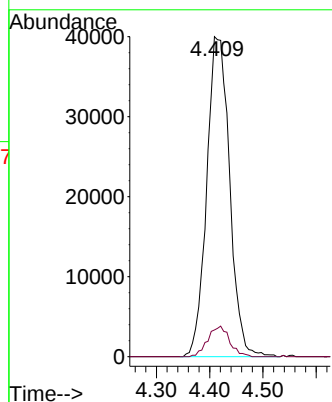


#17  
Carbon Disulfide  
Concen: 17.898 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :

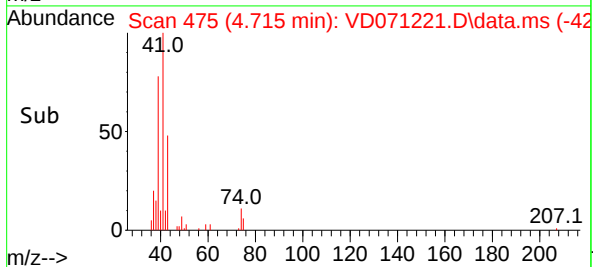
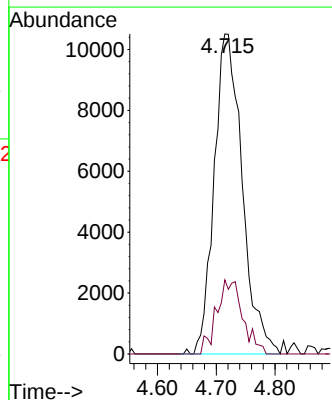
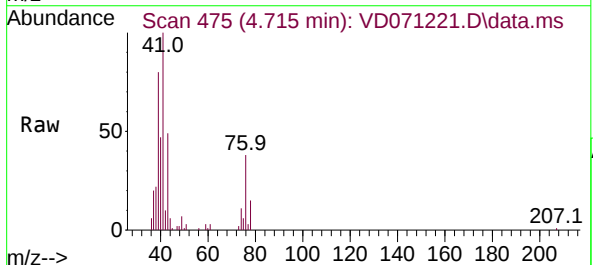


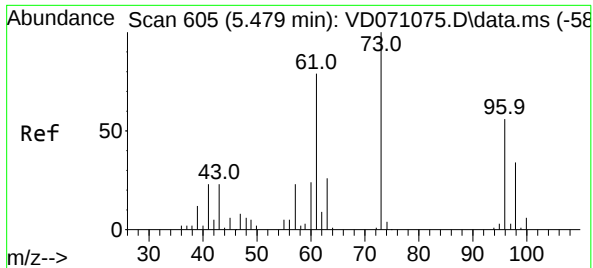
Tgt Ion: 76 Resp: 119518  
Ion Ratio Lower Upper  
76 100  
78 8.4 7.8 11.8



#18  
Methyl Acetate  
Concen: 16.357 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 43 Resp: 34791  
Ion Ratio Lower Upper  
43 100  
74 21.6 19.3 28.9

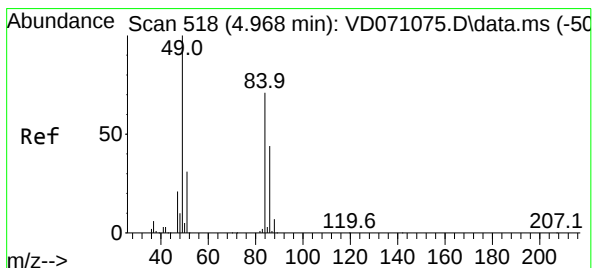
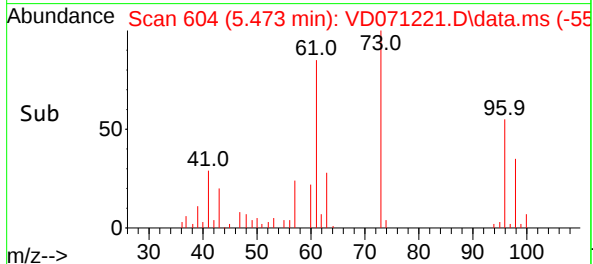
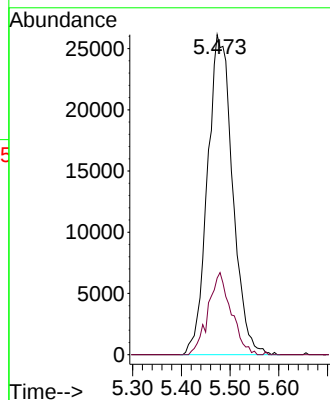
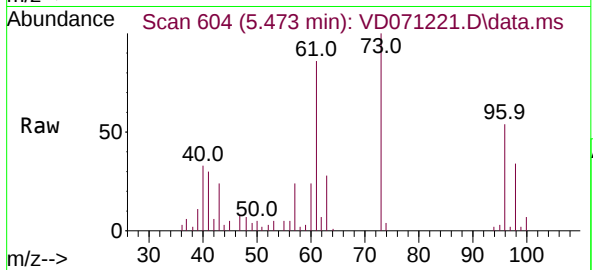




#19  
Methyl tert-butyl Ether  
Concen: 16.721 ug/l  
RT: 5.473 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

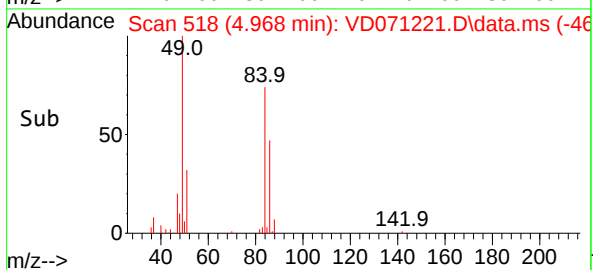
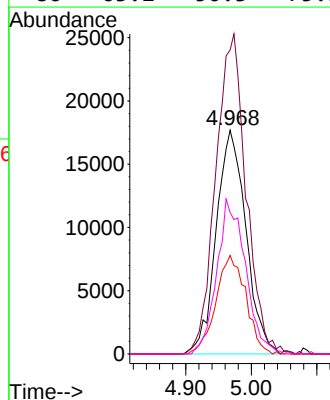
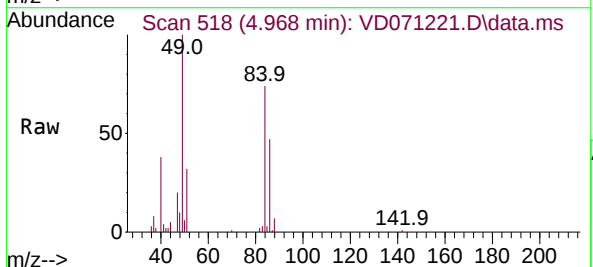
Instrument :  
MSVOA\_D  
ClientSampleId :

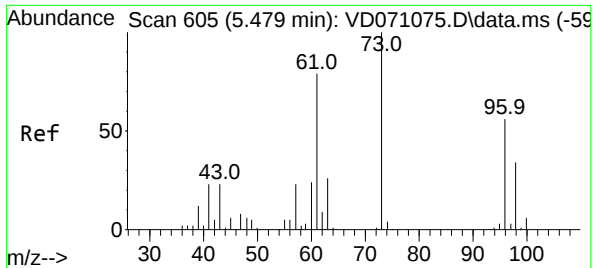
Tgt Ion: 73 Resp: 93462  
Ion Ratio Lower Upper  
73 100  
57 23.9 18.9 28.3



#20  
Methylene Chloride  
Concen: 16.358 ug/l  
RT: 4.968 min Scan# 518  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

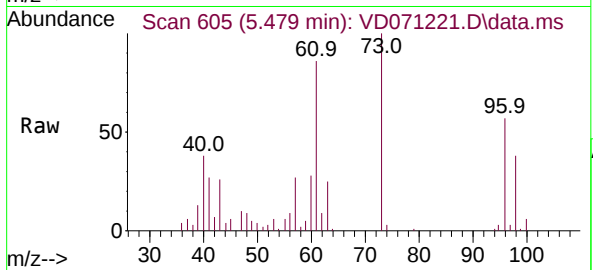
Tgt Ion: 84 Resp: 55761  
Ion Ratio Lower Upper  
84 100  
49 135.9 95.8 143.6  
51 44.1 30.9 46.3  
86 63.2 50.3 75.5





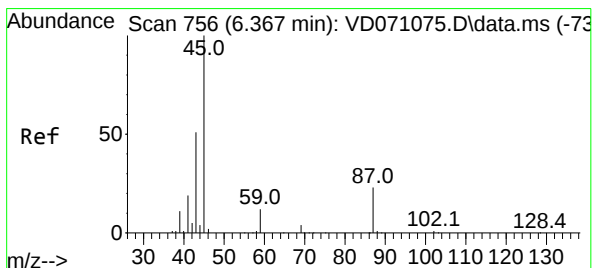
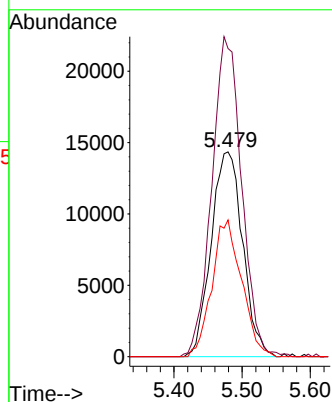
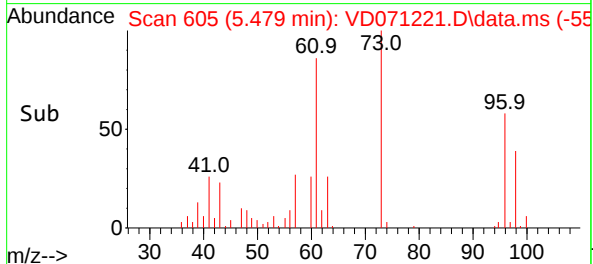
#21  
trans-1,2-Dichloroethene  
Concen: 17.969 ug/l  
RT: 5.479 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :

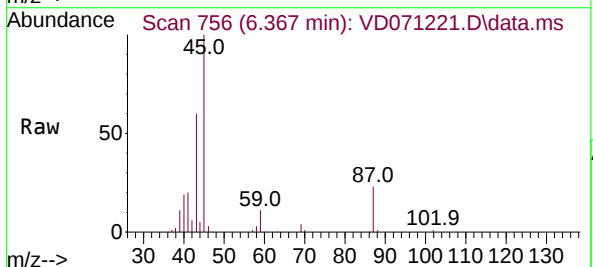


Tgt Ion: 96 Resp: 46134

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 150.4 | 102.1 | 153.1 |
| 98  | 66.8  | 50.1  | 75.1  |

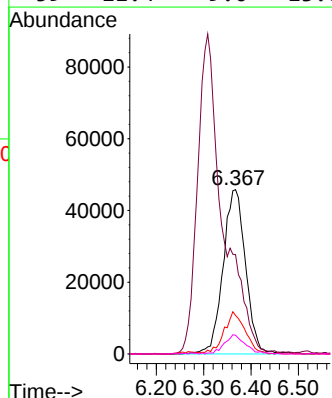
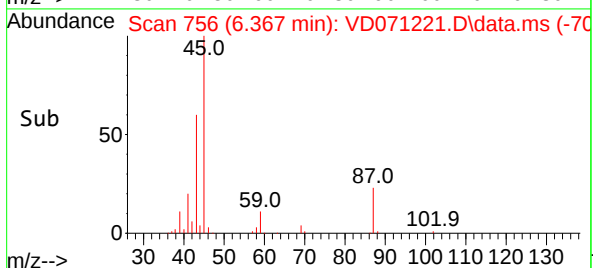


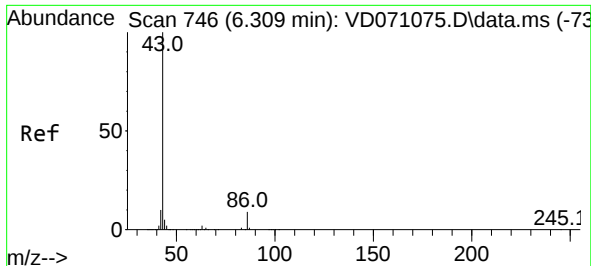
#22  
Diisopropyl ether  
Concen: 17.441 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36



Tgt Ion: 45 Resp: 151386

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 59.4  | 39.6  | 59.4  |
| 87  | 23.1  | 21.2  | 31.8  |
| 59  | 11.4  | 9.0   | 13.6  |

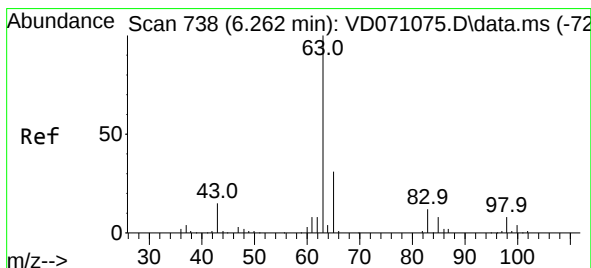
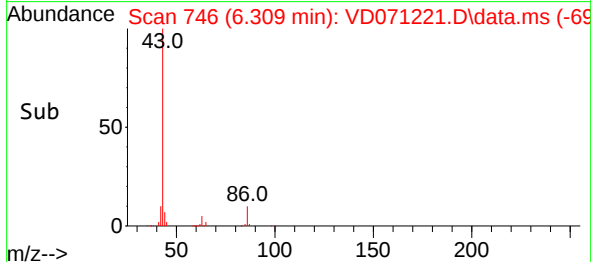
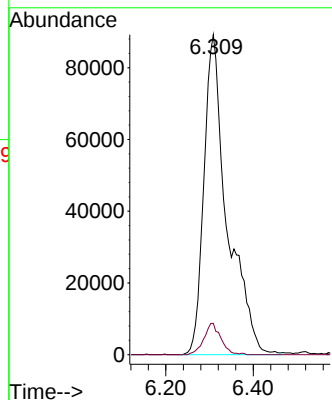
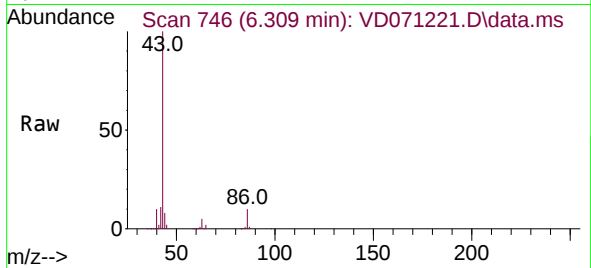




#23  
 Vinyl Acetate  
 Concen: 90.131 ug/l  
 RT: 6.309 min Scan# 746  
 Delta R.T. -0.000 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

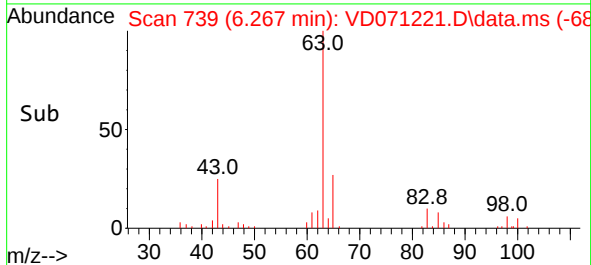
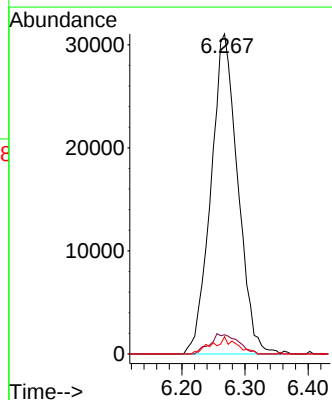
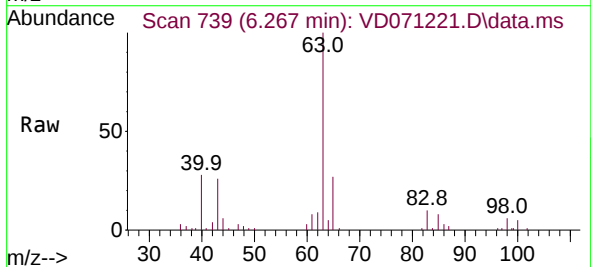
Instrument :  
 MSVOA\_D  
 ClientSampleId :

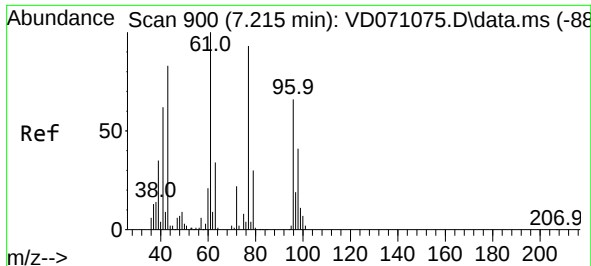
Tgt Ion: 43 Resp: 331380  
 Ion Ratio Lower Upper  
 43 100  
 86 9.8 8.2 12.4



#24  
 1,1-Dichloroethane  
 Concen: 18.376 ug/l  
 RT: 6.267 min Scan# 739  
 Delta R.T. 0.005 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

Tgt Ion: 63 Resp: 91740  
 Ion Ratio Lower Upper  
 63 100  
 98 6.0 3.5 10.6  
 100 5.4 2.1 6.3

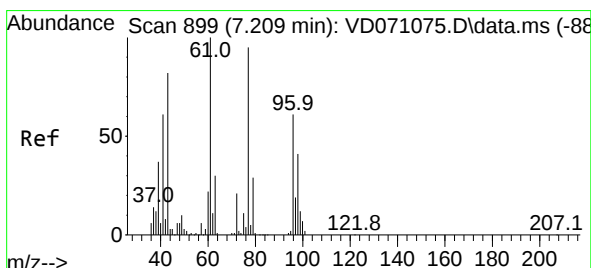
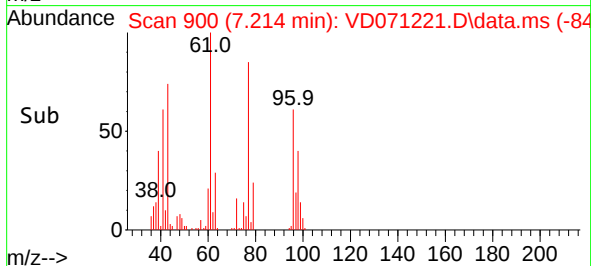
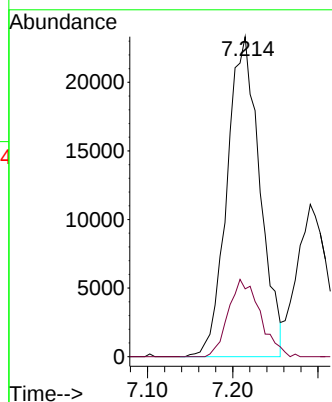
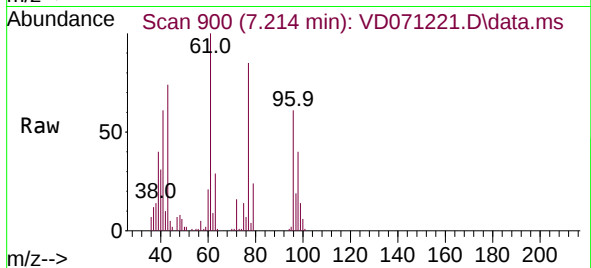




#25  
2-Butanone  
Concen: 90.900 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. -0.001 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

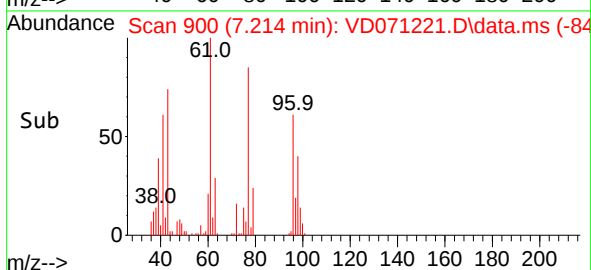
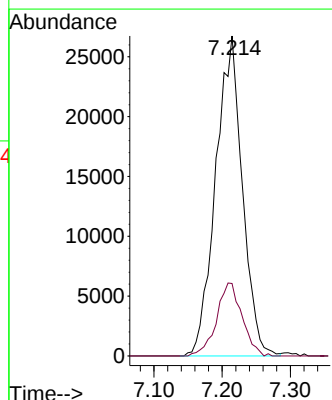
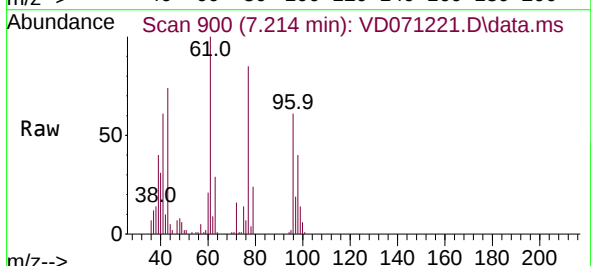
Instrument :  
MSVOA\_D  
ClientSampleId :

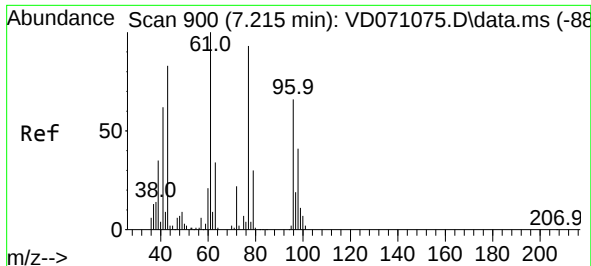
Tgt Ion: 43 Resp: 62369  
Ion Ratio Lower Upper  
43 100  
72 21.2 23.8 35.6#



#26  
2,2-Dichloropropane  
Concen: 16.076 ug/l  
RT: 7.214 min Scan# 900  
Delta R.T. 0.005 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 77 Resp: 72981  
Ion Ratio Lower Upper  
77 100  
97 21.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 17.510 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.001 min

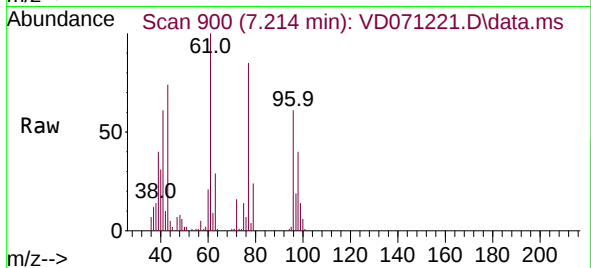
Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :



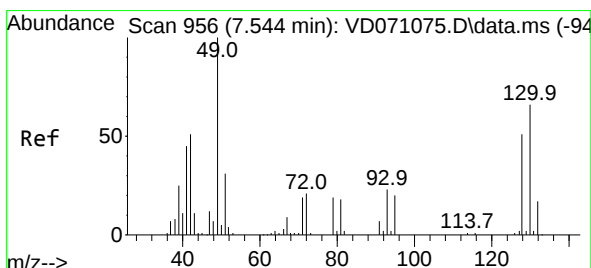
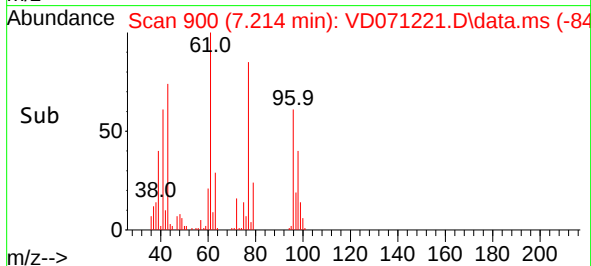
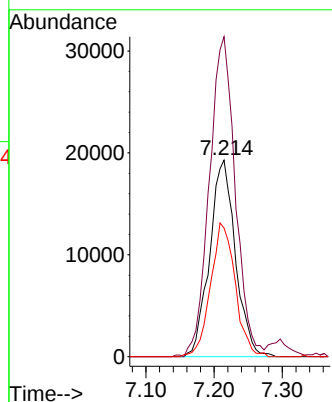
Tgt Ion: 96 Resp: 50860

Ion Ratio Lower Upper

96 100

61 163.9 0.0 288.6

98 64.9 0.0 129.2



#28

Bromochloromethane

Concen: 20.696 ug/l

RT: 7.544 min Scan# 956

Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

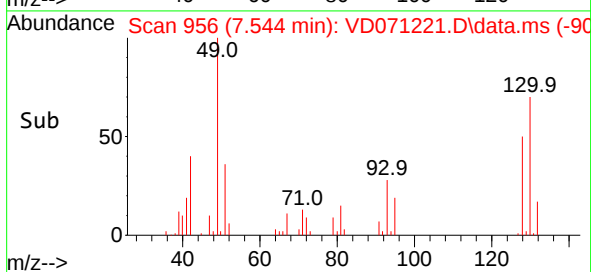
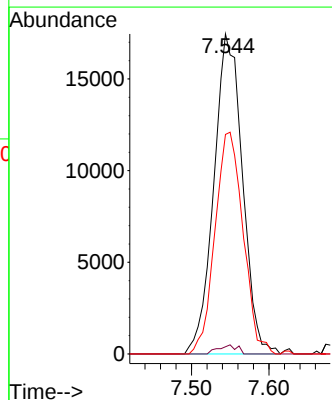
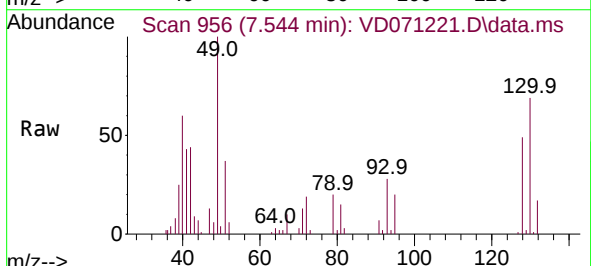
Tgt Ion: 49 Resp: 44877

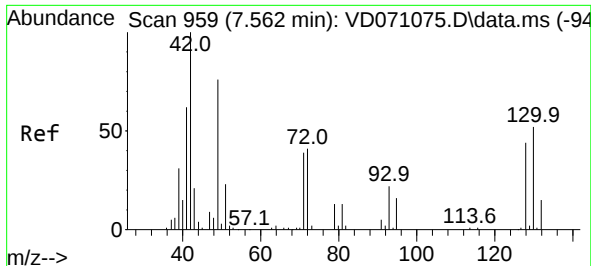
Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

130 68.0 60.2 90.2





#29

Tetrahydrofuran

Concen: 85.071 ug/l

RT: 7.567 min Scan# 9

Delta R.T. 0.005 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

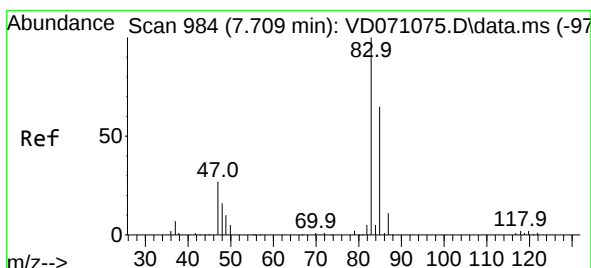
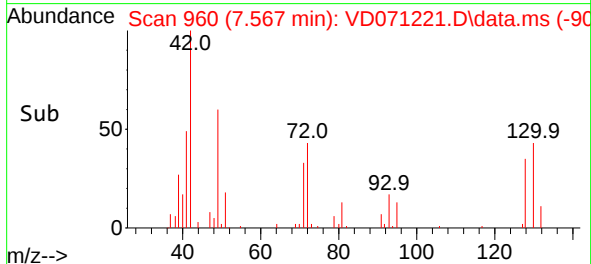
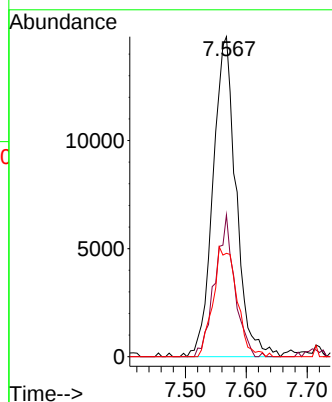
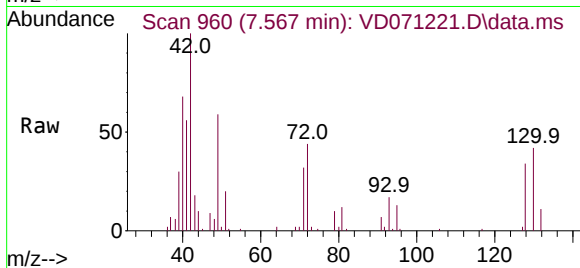
Tgt Ion: 42 Resp: 38943

Ion Ratio Lower Upper

42 100

72 37.5 33.7 50.5

71 35.2 32.7 49.1



#30

Chloroform

Concen: 17.957 ug/l

RT: 7.714 min Scan# 985

Delta R.T. 0.005 min

Lab File: VD071221.D

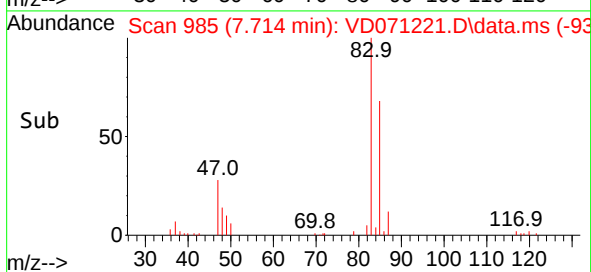
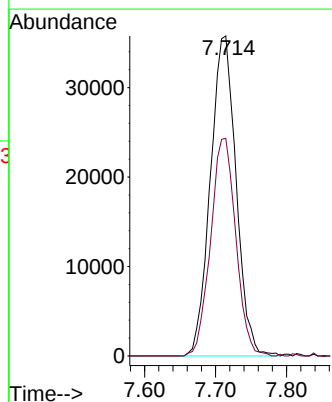
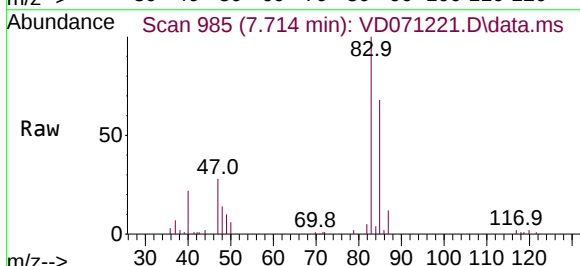
Acq: 09 Dec 2021 11:36

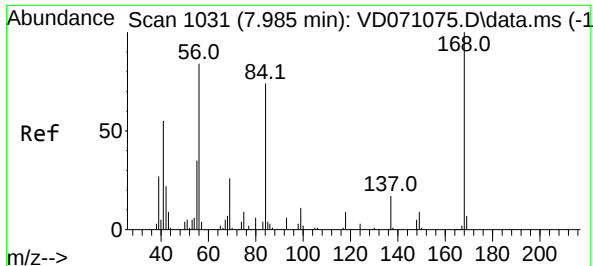
Tgt Ion: 83 Resp: 89971

Ion Ratio Lower Upper

83 100

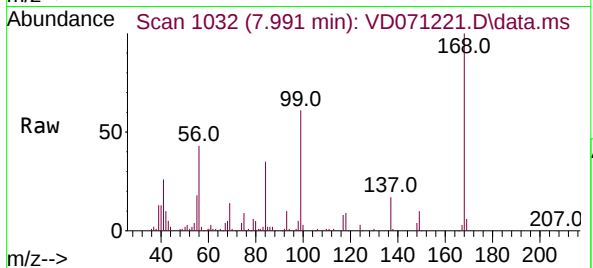
85 68.0 51.0 76.6



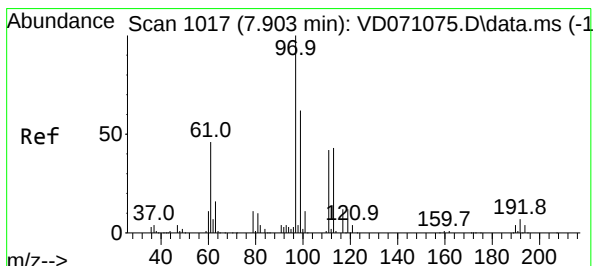
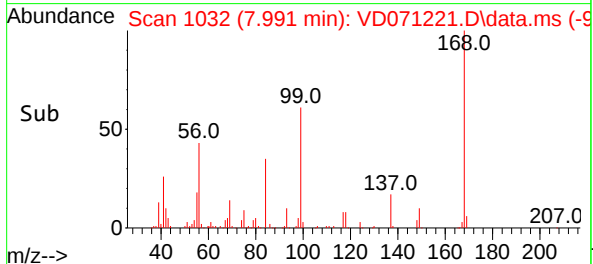
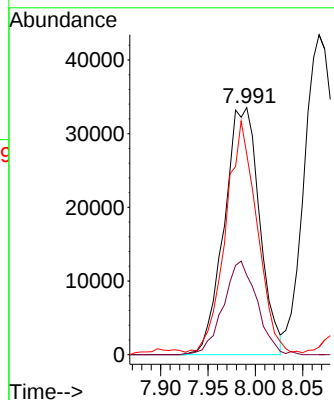


#31  
Cyclohexane  
Concen: 17.741 ug/l  
RT: 7.991 min Scan# 1032  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :

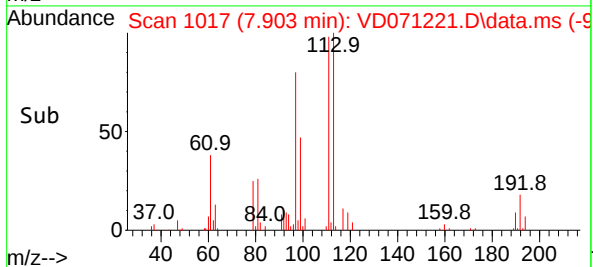
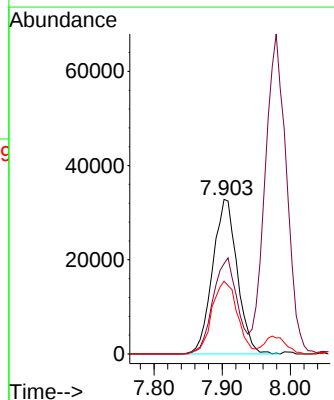
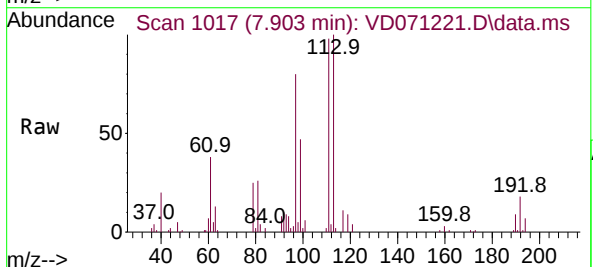


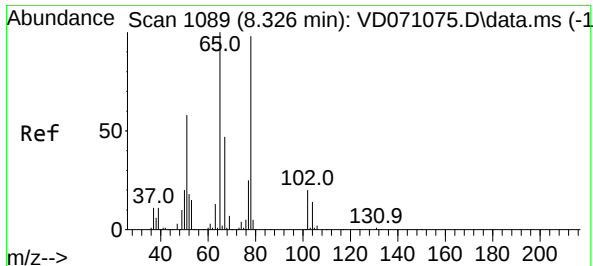
Tgt Ion: 56 Resp: 86998  
Ion Ratio Lower Upper  
56 100  
69 32.2 25.9 38.9  
84 79.5 64.3 96.5



#32  
1,1,1-Trichloroethane  
Concen: 18.364 ug/l  
RT: 7.903 min Scan# 1017  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 97 Resp: 82607  
Ion Ratio Lower Upper  
97 100  
99 60.9 50.3 75.5  
61 48.8 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 46.387 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

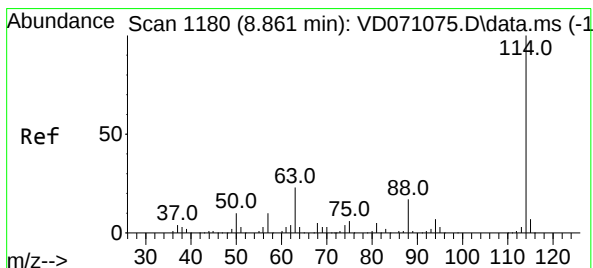
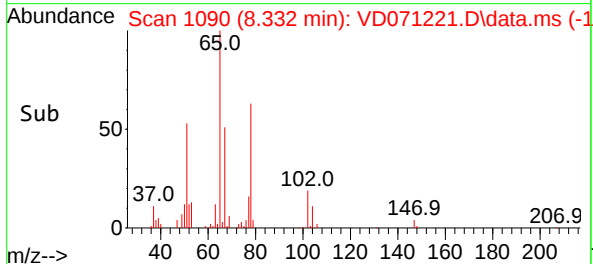
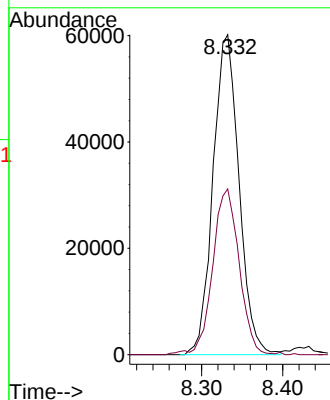
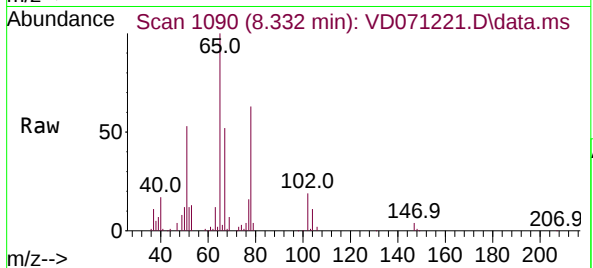
ClientSampleId :

Tgt Ion: 65 Resp: 133728

Ion Ratio Lower Upper

65 100

67 52.9 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

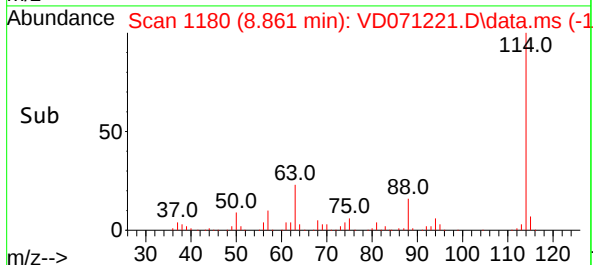
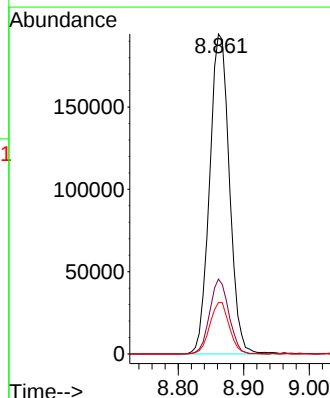
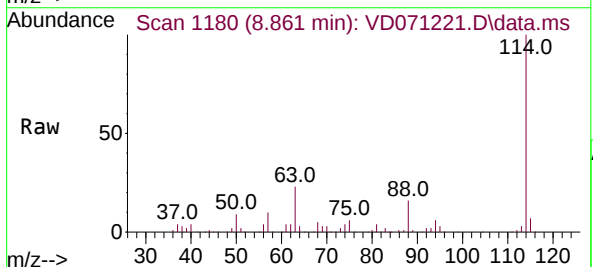
Tgt Ion: 114 Resp: 407960

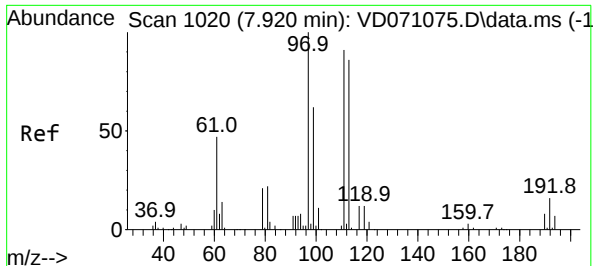
Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.639 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

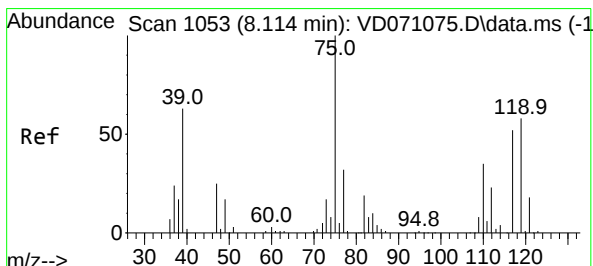
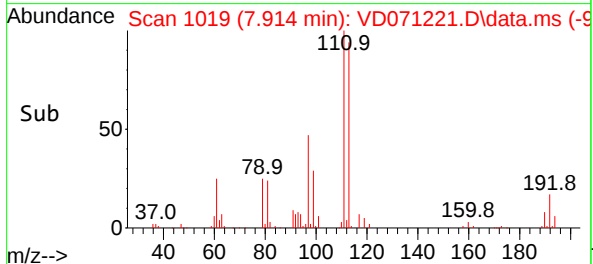
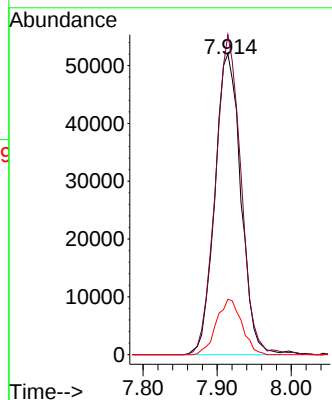
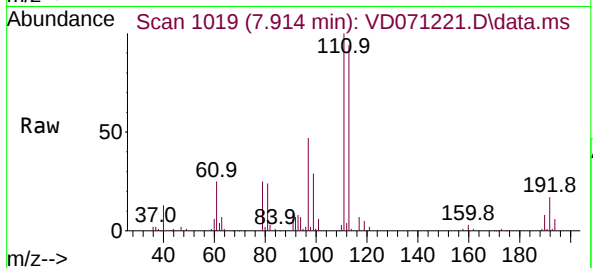
Tgt Ion:113 Resp: 126357

Ion Ratio Lower Upper

113 100

111 104.6 82.0 123.0

192 18.0 15.2 22.8



#36

1,1-Dichloropropene

Concen: 18.646 ug/l

RT: 8.114 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

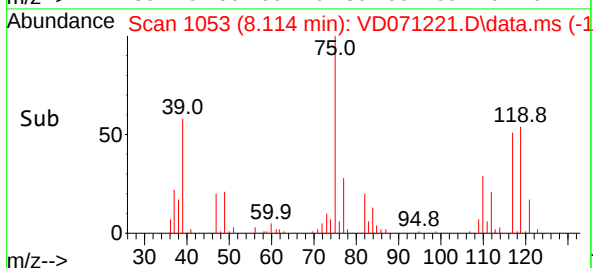
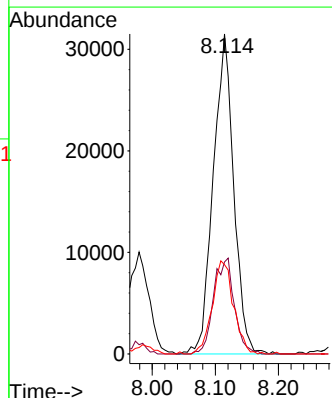
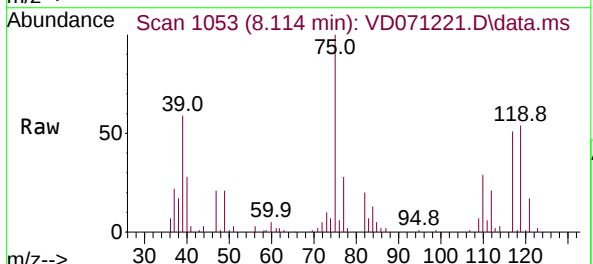
Tgt Ion: 75 Resp: 71096

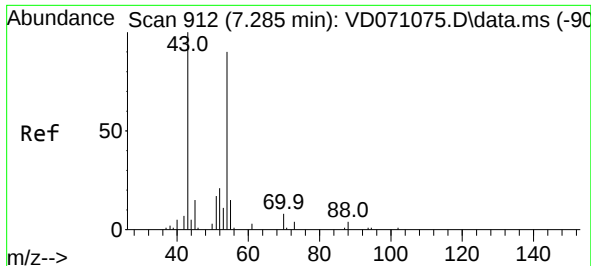
Ion Ratio Lower Upper

75 100

110 30.4 17.8 53.4

77 30.1 24.8 37.2

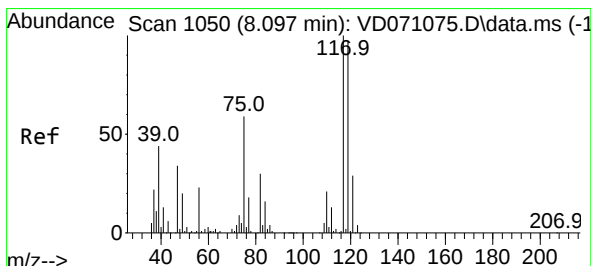
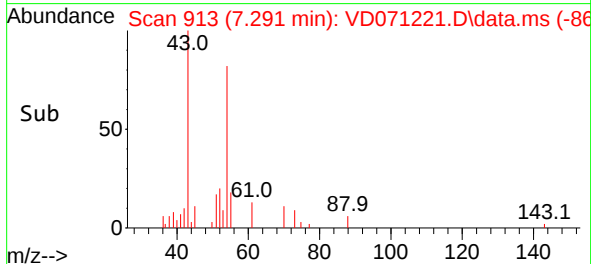
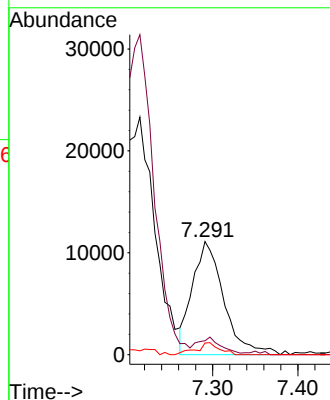
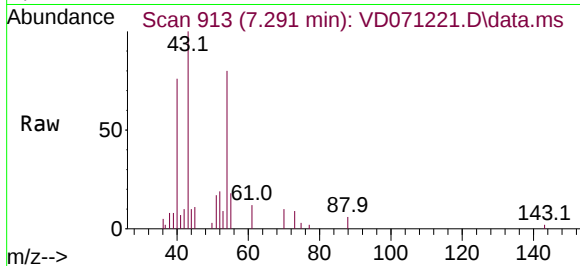




#37  
Ethyl Acetate  
Concen: 17.289 ug/l  
RT: 7.291 min Scan# 912  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

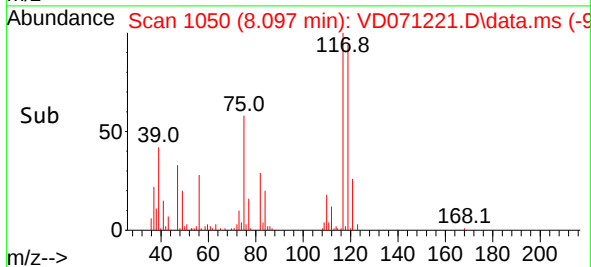
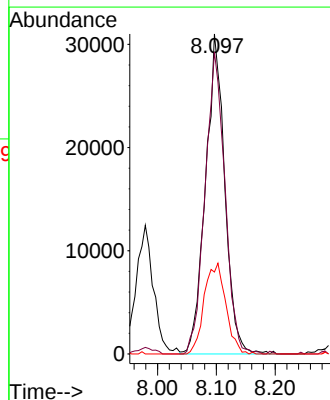
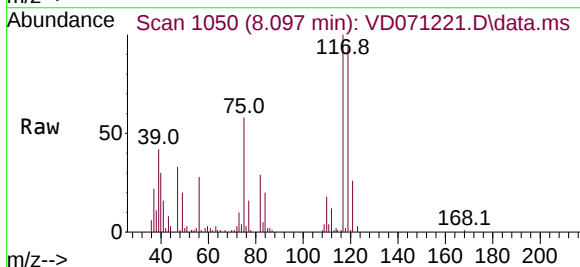
Instrument :  
MSVOA\_D  
ClientSampleId :

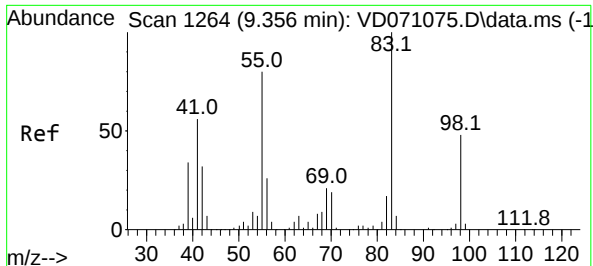
Tgt Ion: 43 Resp: 28476  
Ion Ratio Lower Upper  
43 100  
61 9.8 13.0 19.6#  
70 7.7 8.7 13.1#



#38  
Carbon Tetrachloride  
Concen: 18.853 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 117 Resp: 70859  
Ion Ratio Lower Upper  
117 100  
119 94.3 75.8 113.6  
121 25.6 23.6 35.4





#39

Methylcyclohexane

Concen: 17.648 ug/l

RT: 9.356 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

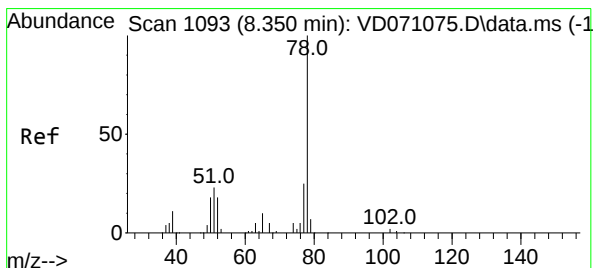
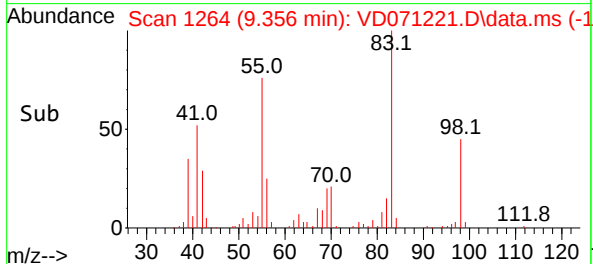
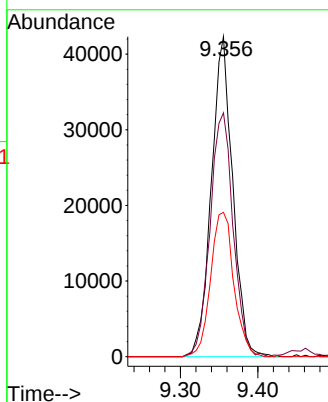
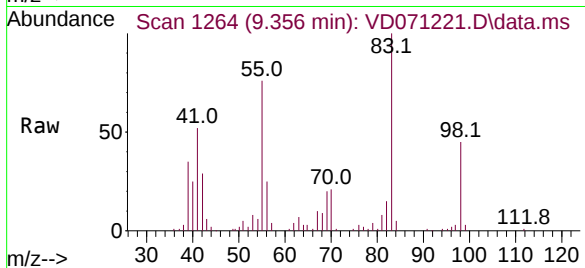
Tgt Ion: 83 Resp: 80937

Ion Ratio Lower Upper

83 100

55 76.2 65.8 98.8

98 45.1 38.7 58.1



#40

Benzene

Concen: 18.126 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VD071221.D

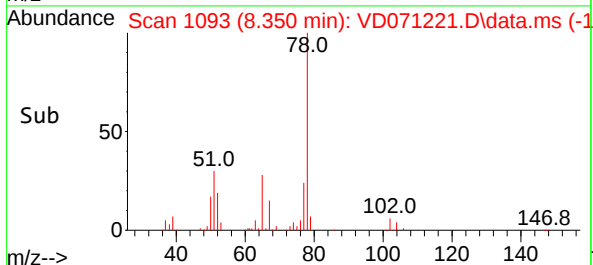
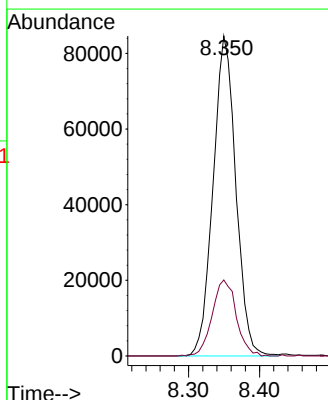
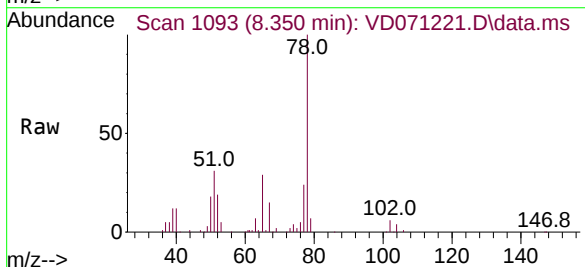
Acq: 09 Dec 2021 11:36

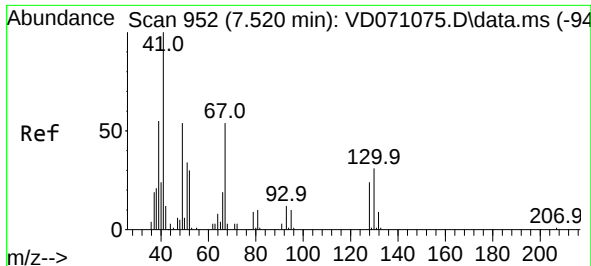
Tgt Ion: 78 Resp: 187728

Ion Ratio Lower Upper

78 100

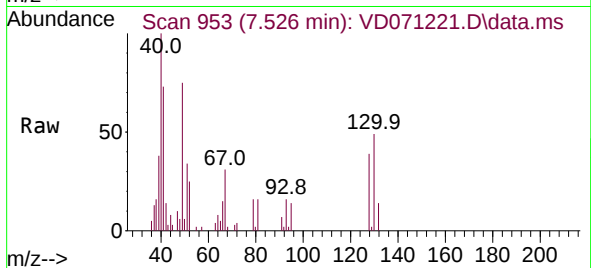
77 23.8 19.1 28.7



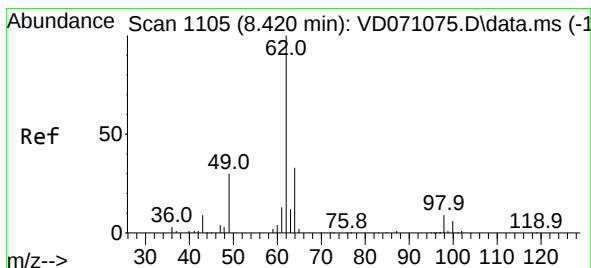
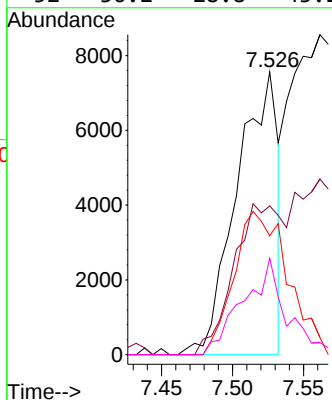
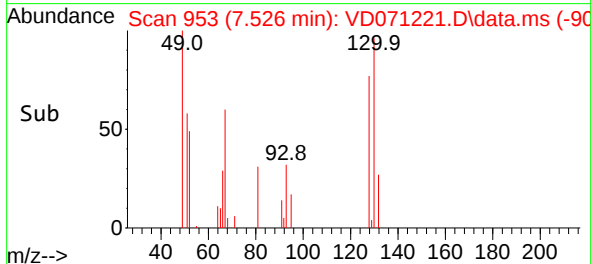


#41  
Methacrylonitrile  
Concen: 20.126 ug/l  
RT: 7.526 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

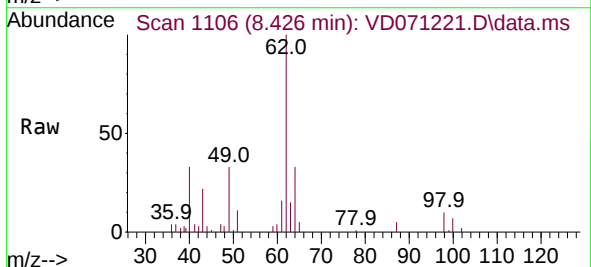
Instrument :  
MSVOA\_D  
ClientSampleId :



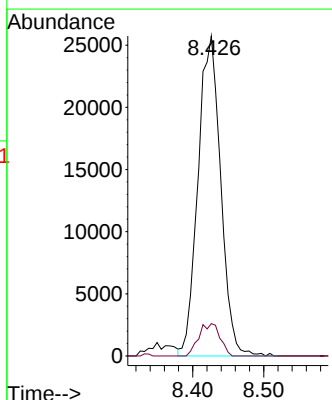
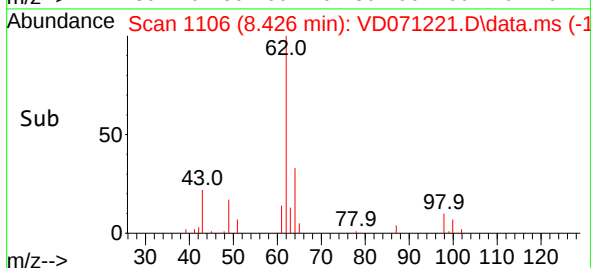
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 15231  |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 65.7  | 60.2  | 90.4   |
| 67        | 66.3  | 74.8  | 112.2# |
| 52        | 36.2  | 28.8  | 43.2   |

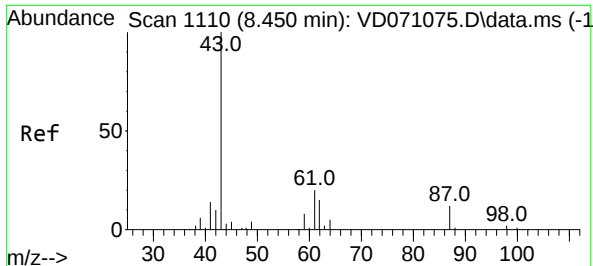


#42  
1,2-Dichloroethane  
Concen: 18.123 ug/l  
RT: 8.426 min Scan# 1106  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 57294 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 98        | 9.4   | 0.0   | 21.8  |





#43

Isopropyl Acetate

Concen: 19.024 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VD071221.D

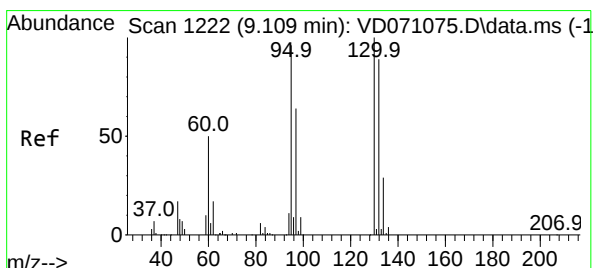
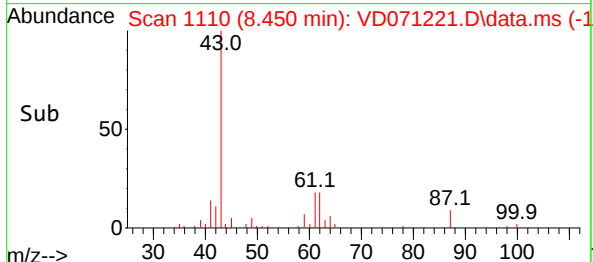
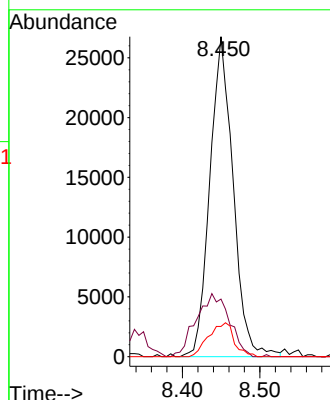
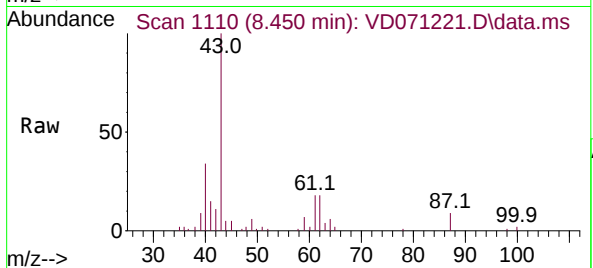
Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 55851     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 61          | 28.1 28.2 42.4# |
| 87          | 11.7 10.7 16.1  |



#44

Trichloroethene

Concen: 18.652 ug/l

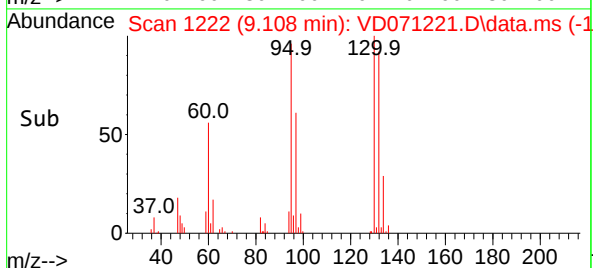
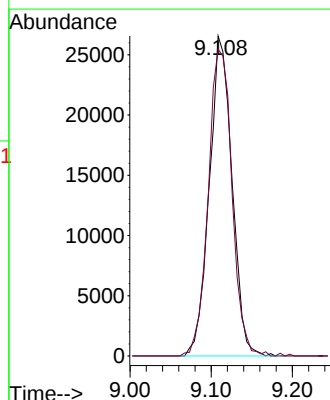
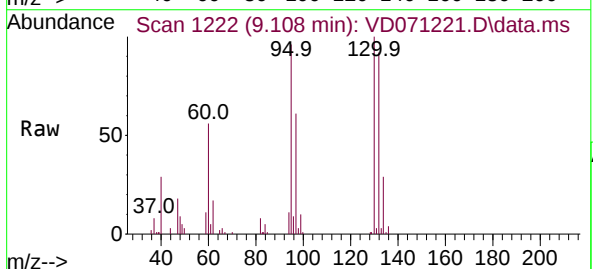
RT: 9.108 min Scan# 1222

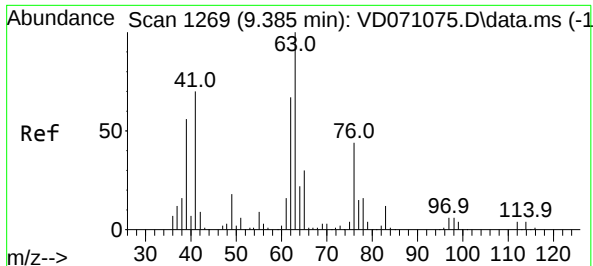
Delta R.T. -0.001 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

|              |                |
|--------------|----------------|
| Tgt Ion: 130 | Resp: 51506    |
| Ion Ratio    | Lower Upper    |
| 130          | 100            |
| 95           | 95.9 0.0 193.2 |





#45

1,2-Dichloropropane

Concen: 18.793 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

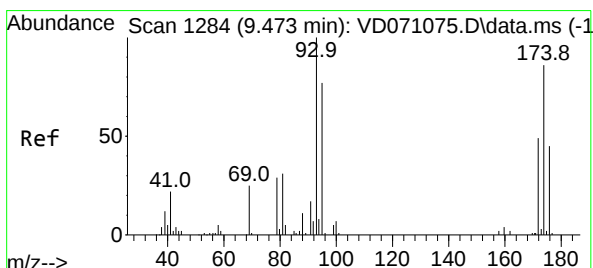
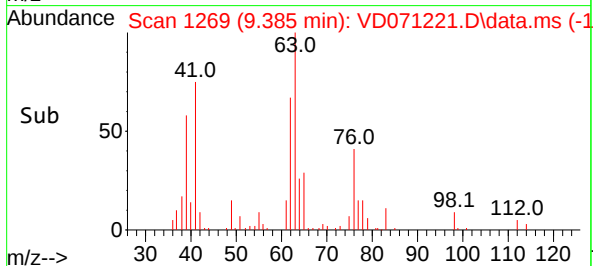
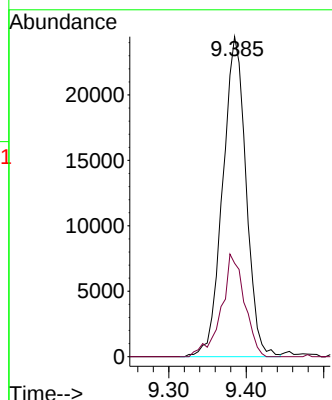
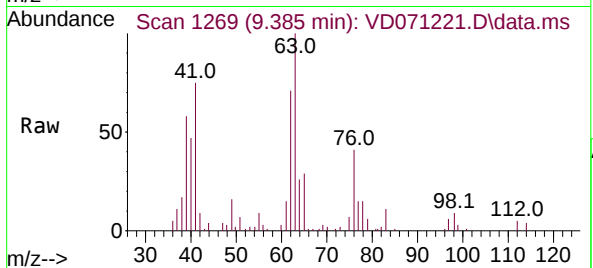
ClientSampleId :

Tgt Ion: 63 Resp: 51186

Ion Ratio Lower Upper

63 100

65 29.2 24.2 36.2



#46

Dibromomethane

Concen: 17.293 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

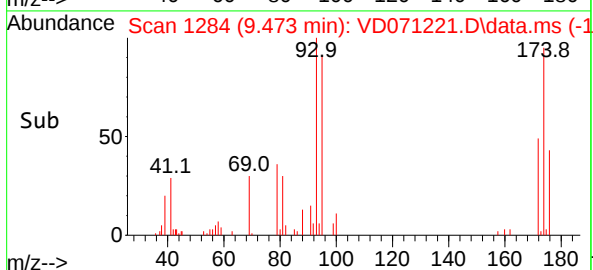
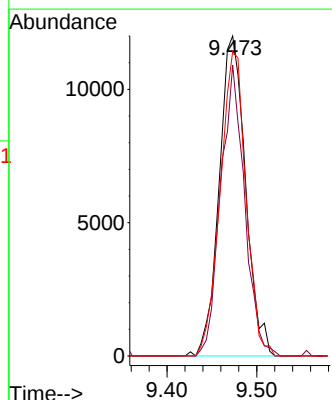
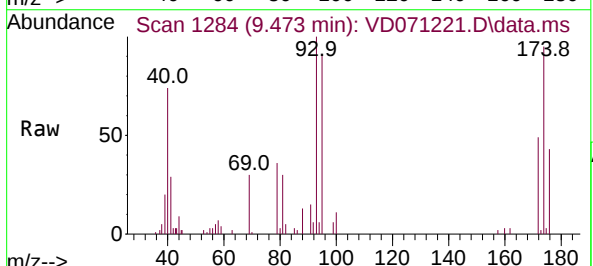
Tgt Ion: 93 Resp: 24437

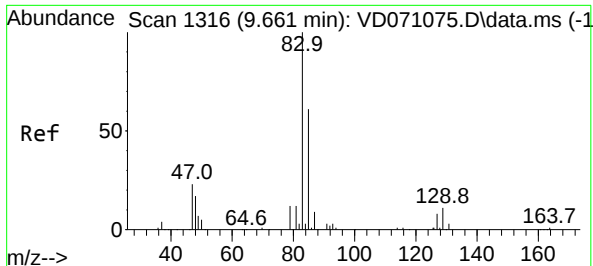
Ion Ratio Lower Upper

93 100

95 82.6 66.1 99.1

174 93.0 78.6 117.8





#47

Bromodichloromethane

Concen: 18.225 ug/l

RT: 9.661 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD071221.D

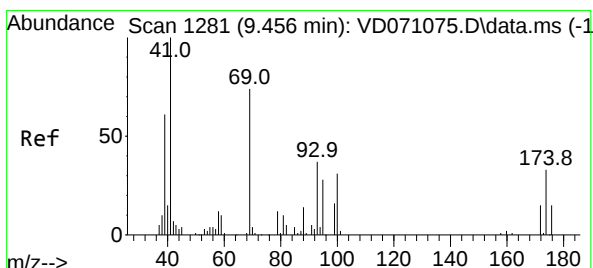
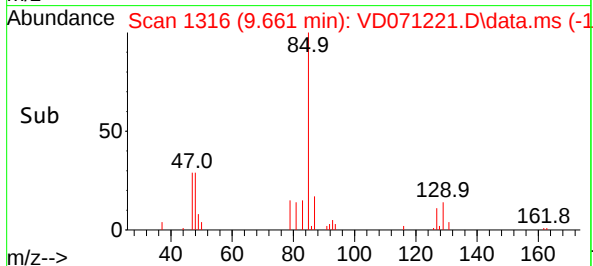
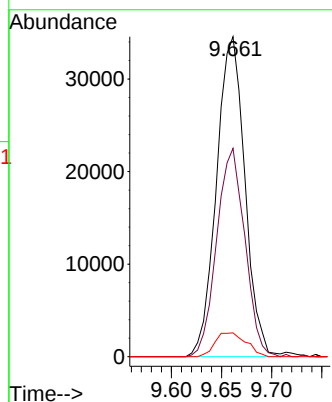
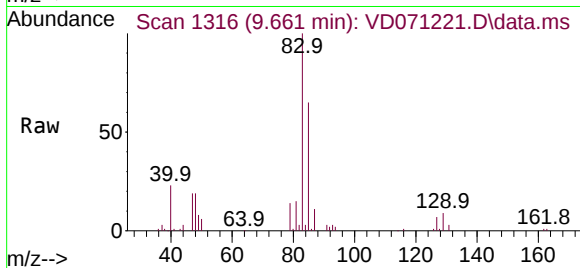
Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 68110    |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 85          | 65.1 50.0 75.0 |
| 127         | 7.5 7.3 10.9   |



#48

Methyl methacrylate

Concen: 16.876 ug/l

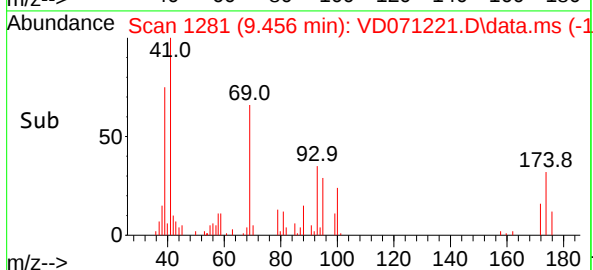
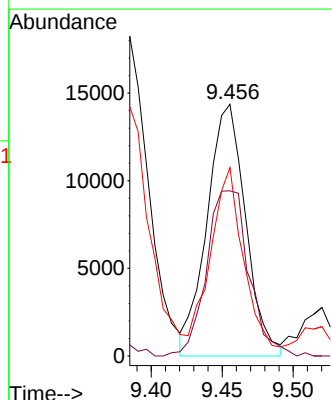
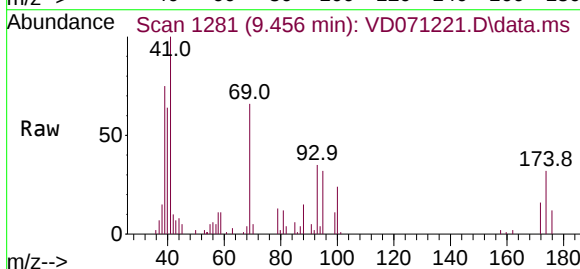
RT: 9.456 min Scan# 1281

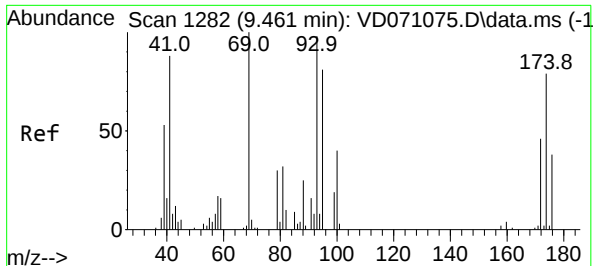
Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 27208     |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 69          | 72.0 69.8 104.6 |
| 39          | 57.7 35.6 53.4  |





#49

1,4-Dioxane

Concen: 389.861 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

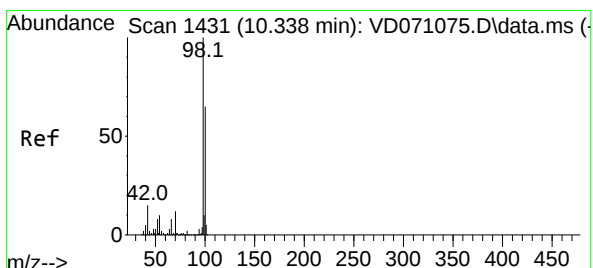
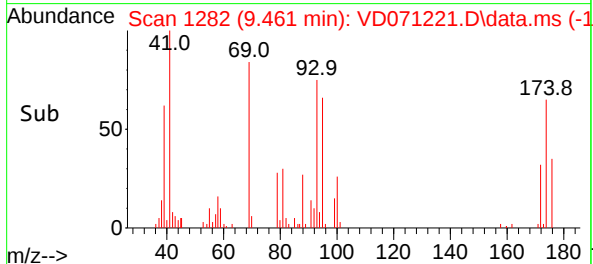
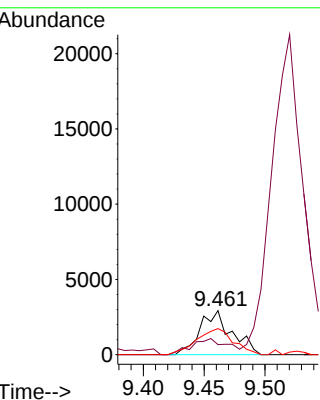
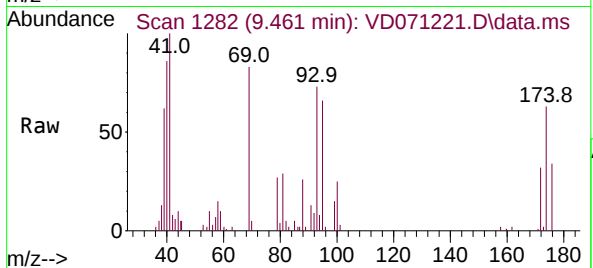
Tgt Ion: 88 Resp: 5318

Ion Ratio Lower Upper

88 100

43 41.2 28.9 43.3

58 68.1 56.3 84.5



#50

Toluene-d8

Concen: 46.229 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071221.D

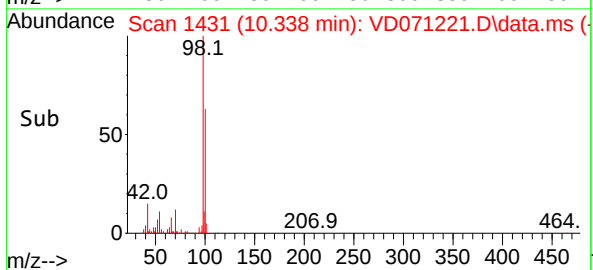
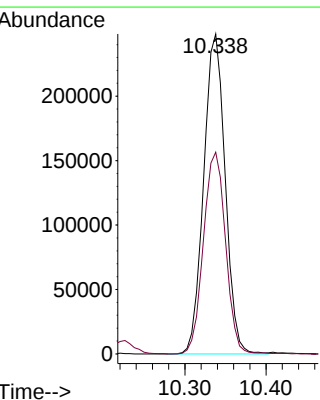
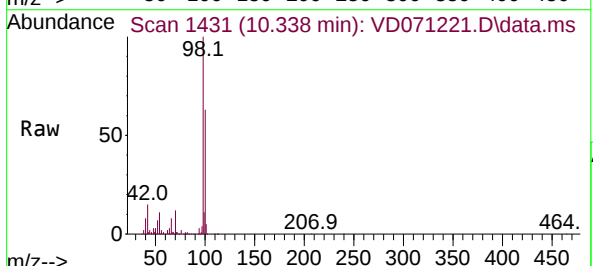
Acq: 09 Dec 2021 11:36

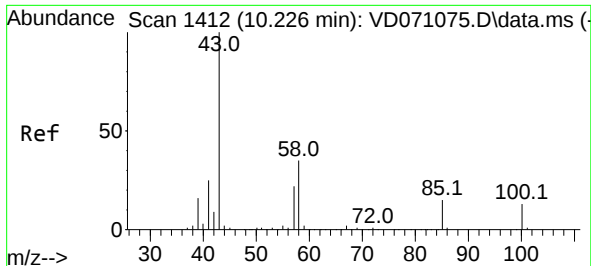
Tgt Ion: 98 Resp: 457022

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.6

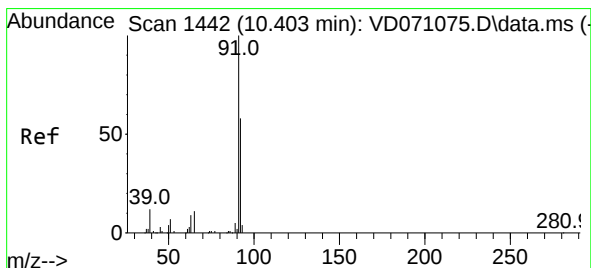
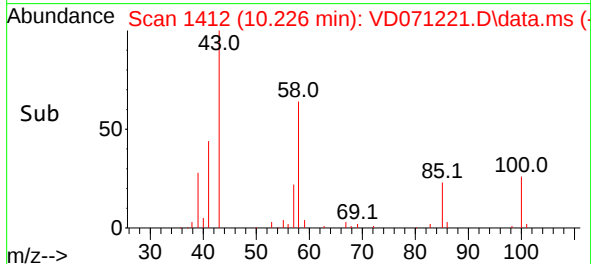
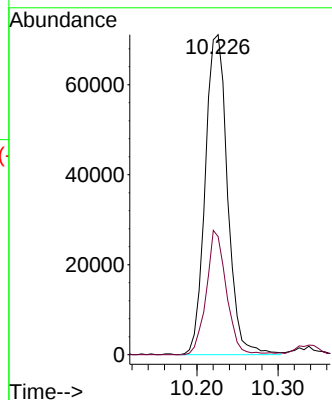
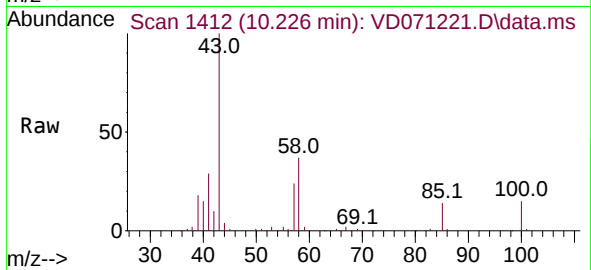




#51  
4-Methyl-2-Pentanone  
Concen: 94.799 ug/l  
RT: 10.226 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

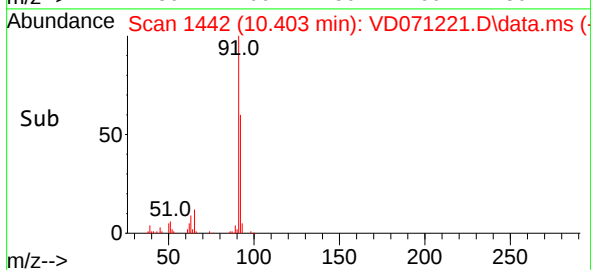
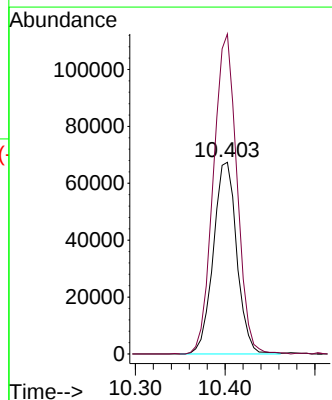
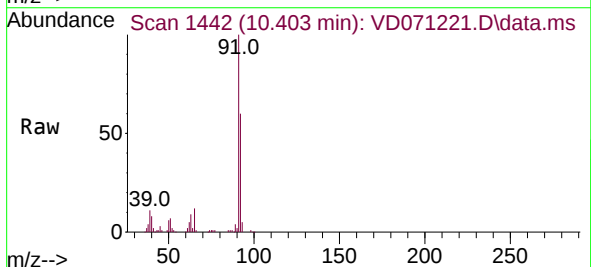
Instrument :  
MSVOA\_D  
ClientSampleId :

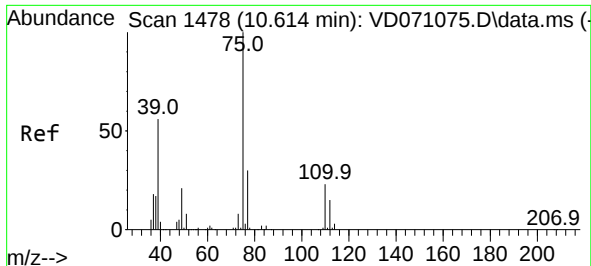
Tgt Ion: 43 Resp: 135786  
Ion Ratio Lower Upper  
43 100  
58 34.8 33.1 49.7



#52  
Toluene  
Concen: 18.624 ug/l  
RT: 10.403 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 92 Resp: 122385  
Ion Ratio Lower Upper  
92 100  
91 167.5 140.7 211.1

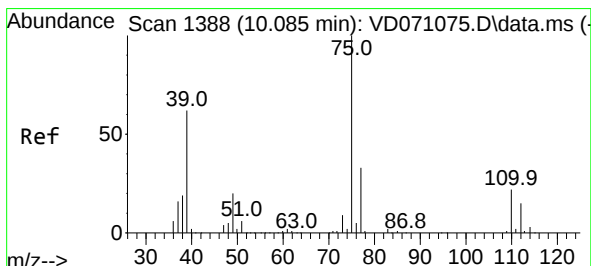
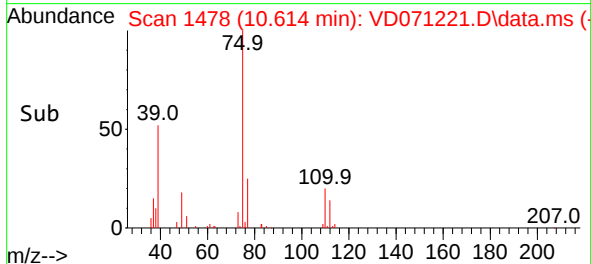
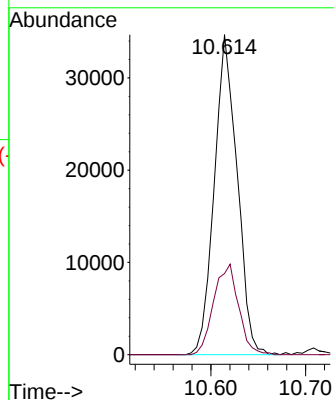
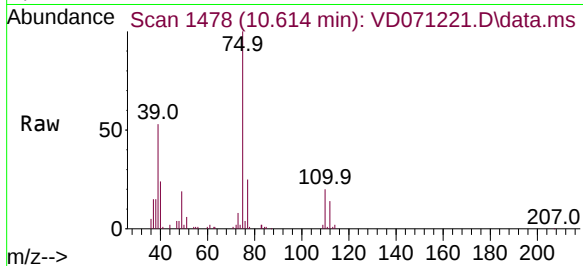




#53  
t-1,3-Dichloropropene  
Concen: 16.888 ug/l  
RT: 10.614 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

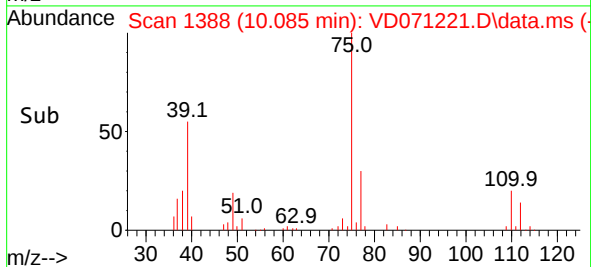
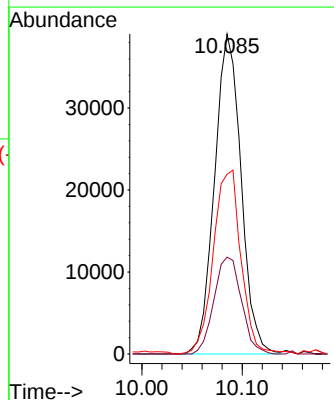
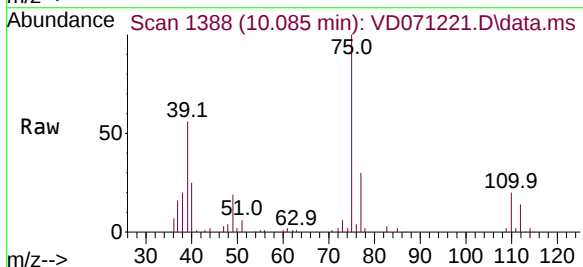
Instrument :  
MSVOA\_D  
ClientSampleId :

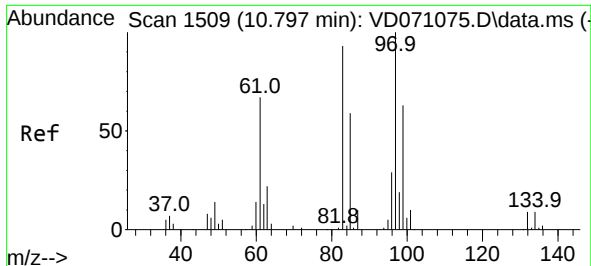
Tgt Ion: 75 Resp: 58025  
Ion Ratio Lower Upper  
75 100  
77 25.3 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 17.548 ug/l  
RT: 10.085 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 75 Resp: 71621  
Ion Ratio Lower Upper  
75 100  
77 30.3 25.0 37.6  
39 56.2 31.6 47.4#

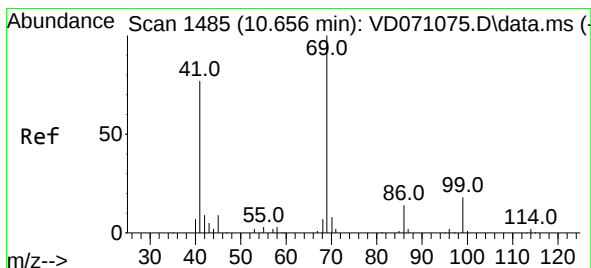
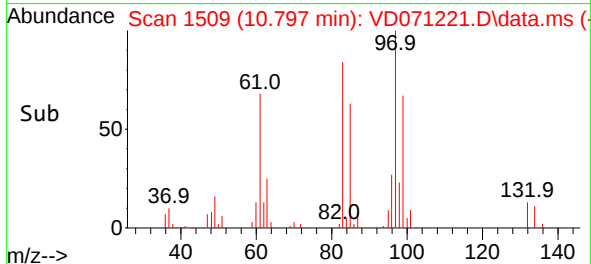
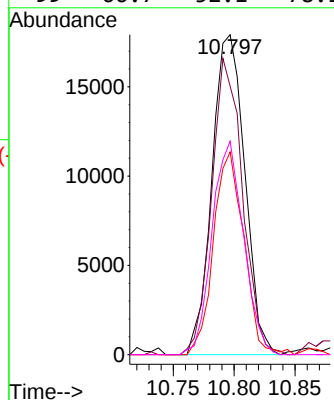
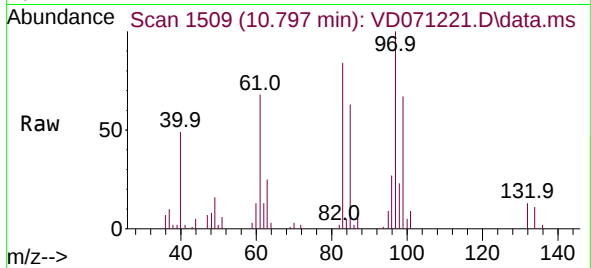




#55  
1,1,2-Trichloroethane  
Concen: 18.073 ug/l  
RT: 10.797 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

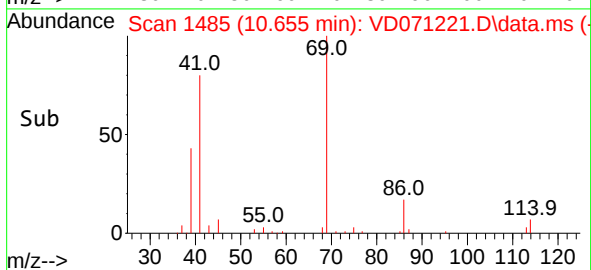
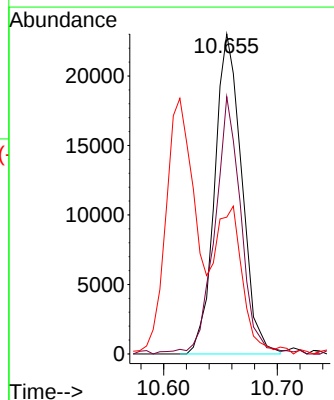
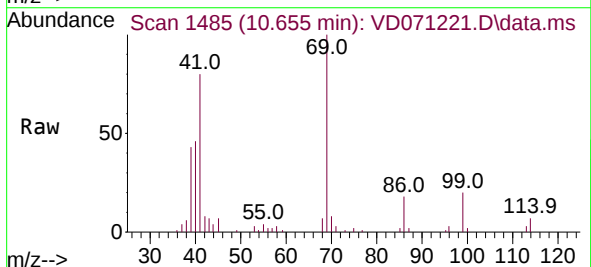
Instrument :  
MSVOA\_D  
ClientSampleId :

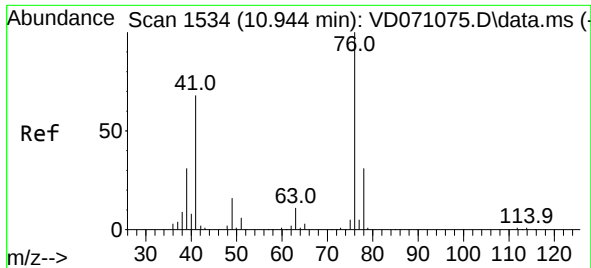
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 33504 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.9  | 65.2  | 97.8  |
| 85       | 63.4  | 43.4  | 65.0  |
| 99       | 66.7  | 52.1  | 78.1  |



#56  
Ethyl methacrylate  
Concen: 18.515 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. -0.001 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 38019 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 78.2  | 50.2  | 75.2# |
| 39       | 47.1  | 19.8  | 29.8# |





#57

1,3-Dichloropropane

Concen: 18.332 ug/l

RT: 10.944 min Scan# 1534

Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

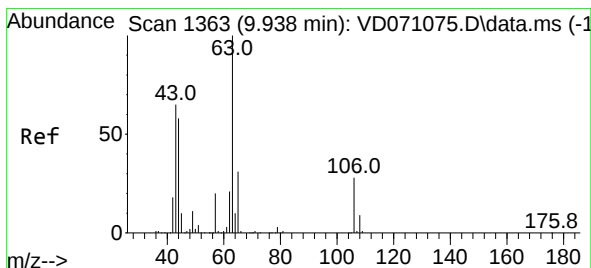
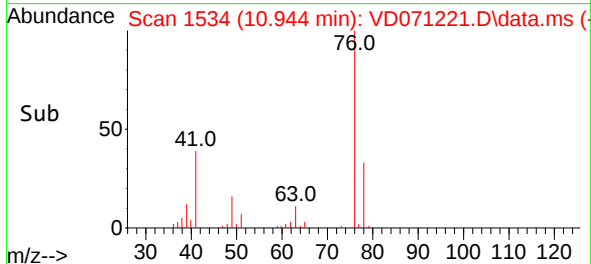
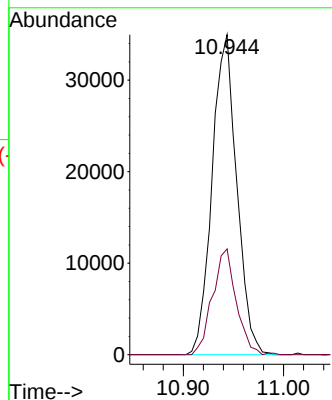
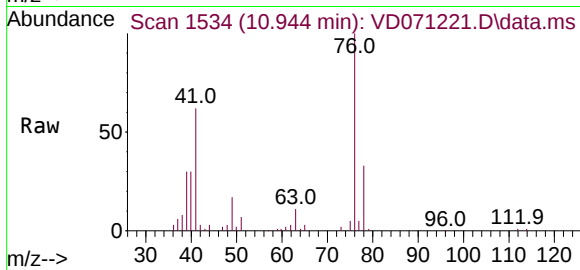
ClientSampleId :

Tgt Ion: 76 Resp: 59699

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 99.741 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VD071221.D

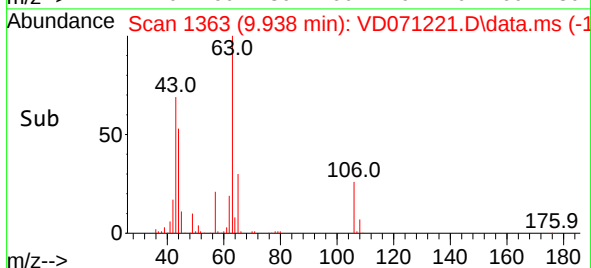
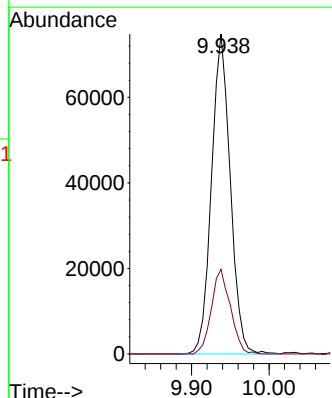
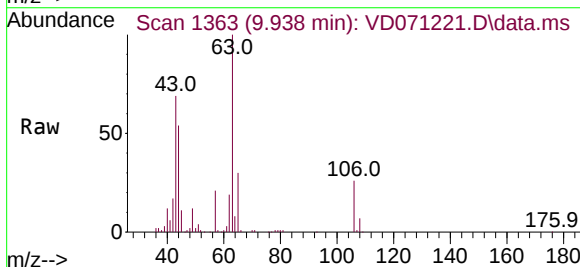
Acq: 09 Dec 2021 11:36

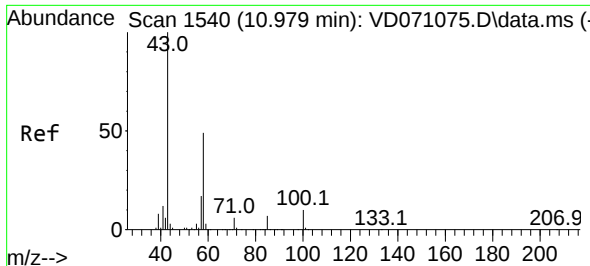
Tgt Ion: 63 Resp: 125820

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.4

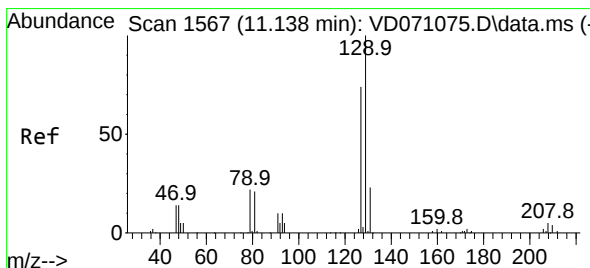
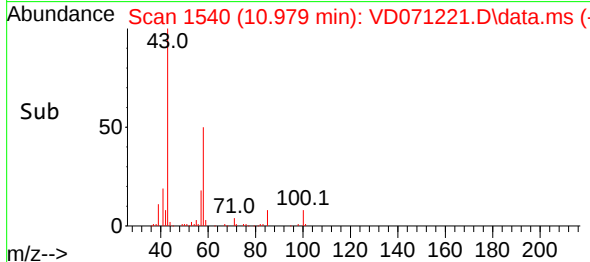
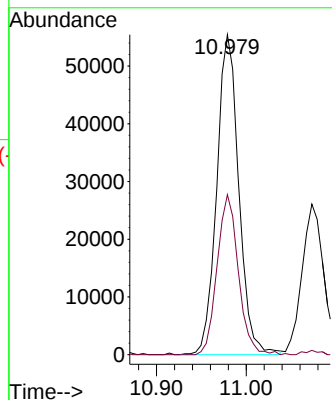
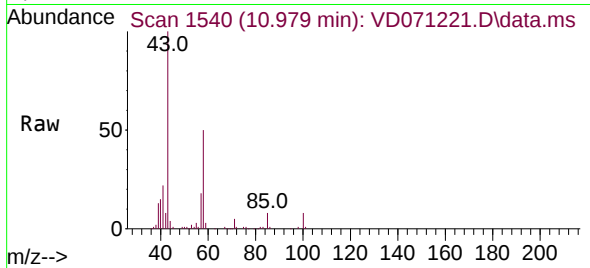




#59  
2-Hexanone  
Concen: 92.837 ug/l  
RT: 10.979 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

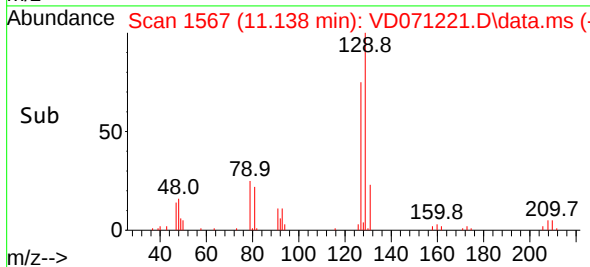
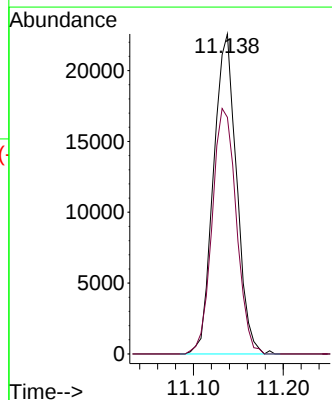
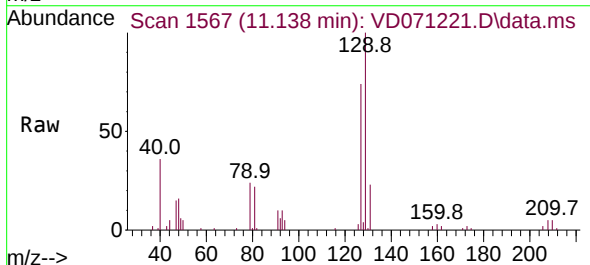
Instrument :  
MSVOA\_D  
ClientSampleId :

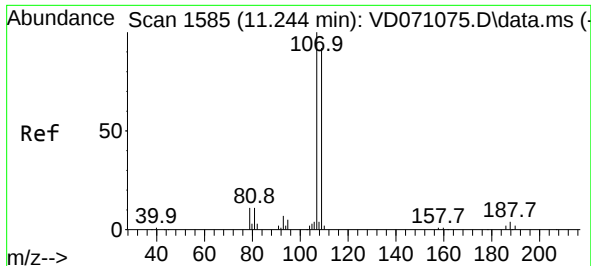
Tgt Ion: 43 Resp: 94621  
Ion Ratio Lower Upper  
43 100  
58 48.1 28.7 86.1



#60  
Dibromochloromethane  
Concen: 17.508 ug/l  
RT: 11.138 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 129 Resp: 40337  
Ion Ratio Lower Upper  
129 100  
127 80.2 38.9 116.6

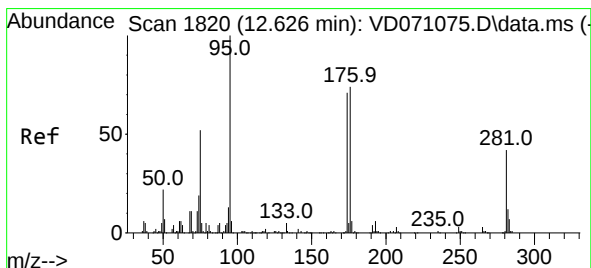
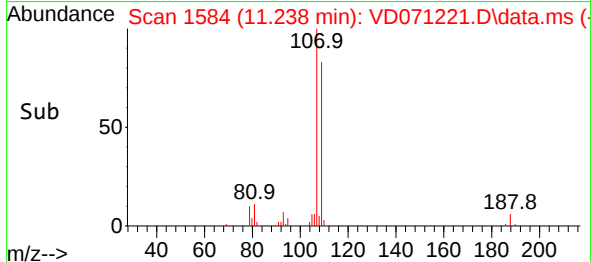
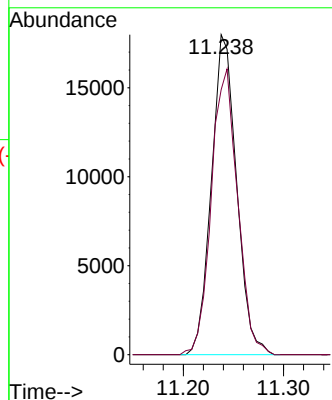
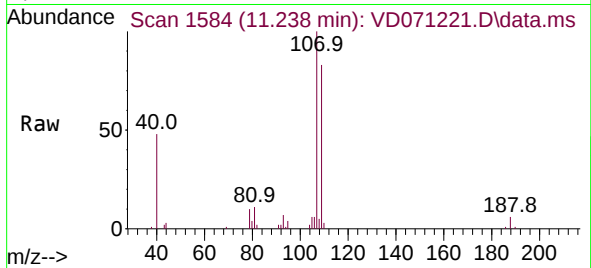




#61  
1,2-Dibromoethane  
Concen: 17.588 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

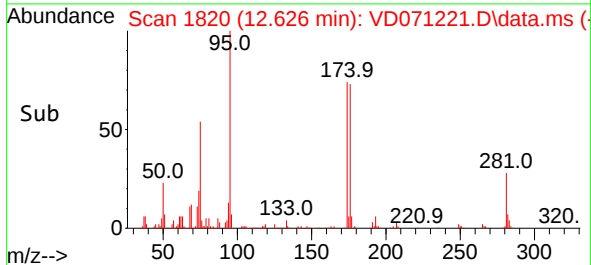
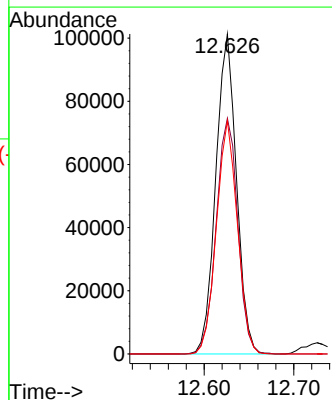
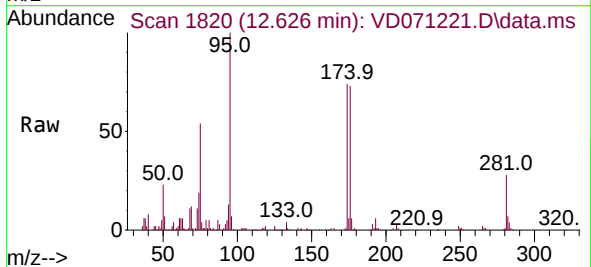
Instrument :  
MSVOA\_D  
ClientSampleId :

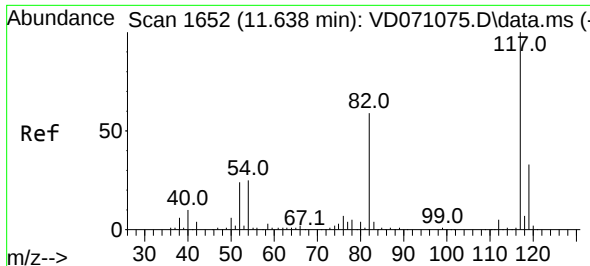
Tgt Ion:107 Resp: 31314  
Ion Ratio Lower Upper  
107 100  
109 93.2 74.6 112.0



#62  
4-Bromofluorobenzene  
Concen: 47.241 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 95 Resp: 161890  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 159.4  
176 74.0 0.0 154.0

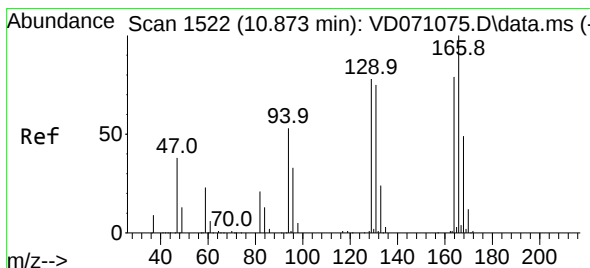
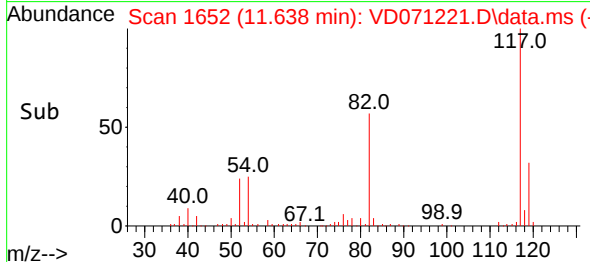
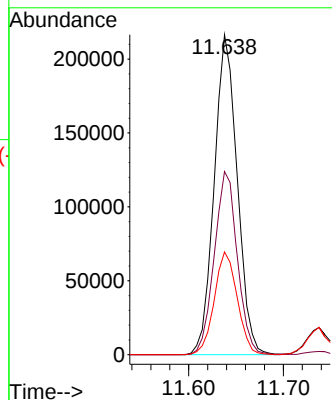
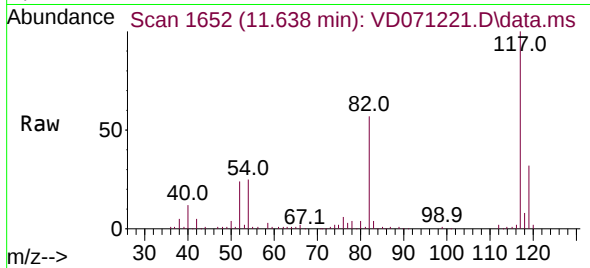




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

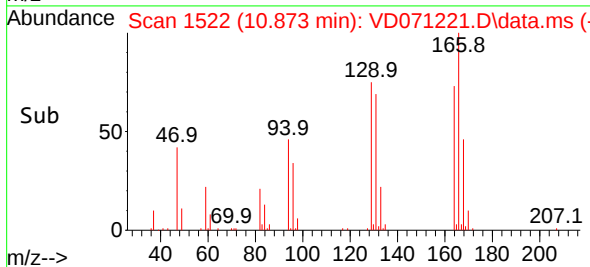
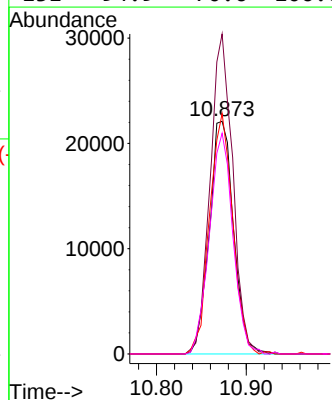
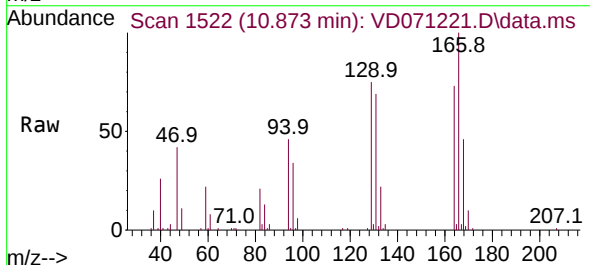
Instrument :  
MSVOA\_D  
ClientSampleId :

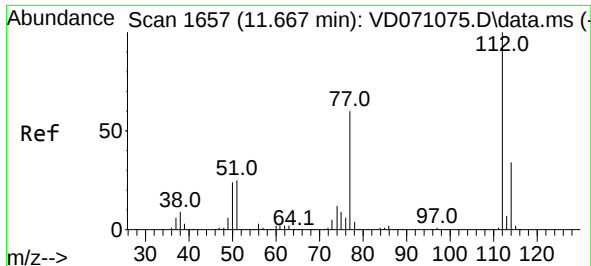
Tgt Ion:117 Resp: 365936  
Ion Ratio Lower Upper  
117 100  
82 57.2 44.7 67.1  
119 32.1 26.2 39.4



#64  
Tetrachloroethene  
Concen: 17.820 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:164 Resp: 41399  
Ion Ratio Lower Upper  
164 100  
166 137.5 102.6 153.8  
129 103.3 75.4 113.0  
131 94.9 70.6 106.0

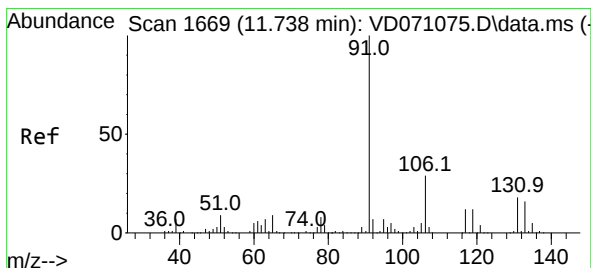
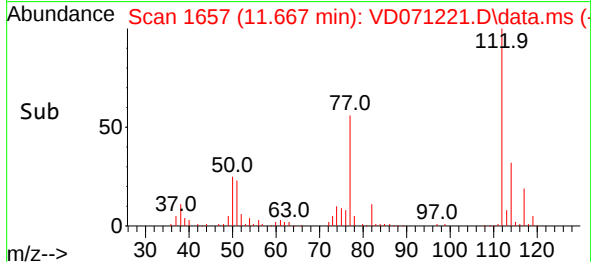
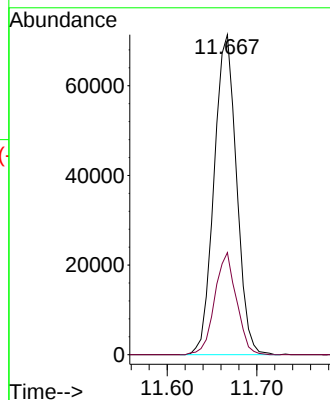
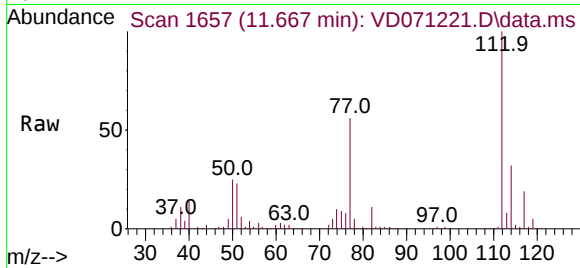




#65  
Chlorobenzene  
Concen: 18.300 ug/l  
RT: 11.667 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

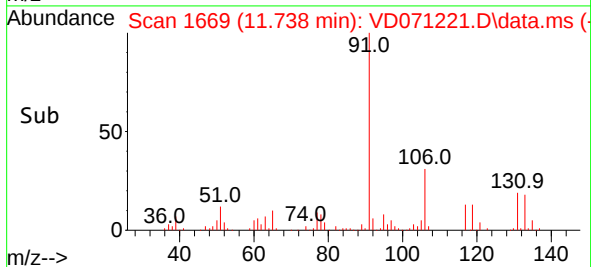
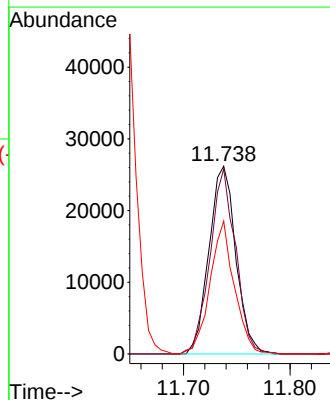
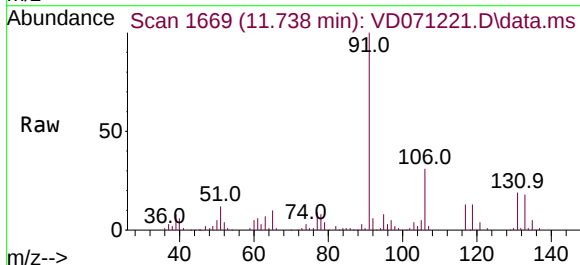
Instrument :  
MSVOA\_D  
ClientSampleId :

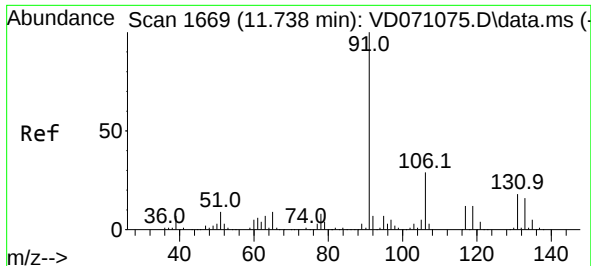
Tgt Ion:112 Resp: 124252  
Ion Ratio Lower Upper  
112 100  
114 31.9 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.537 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:131 Resp: 45955  
Ion Ratio Lower Upper  
131 100  
133 94.0 48.0 144.0  
119 64.0 33.5 100.4





#67

Ethyl Benzene

Concen: 17.700 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. -0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

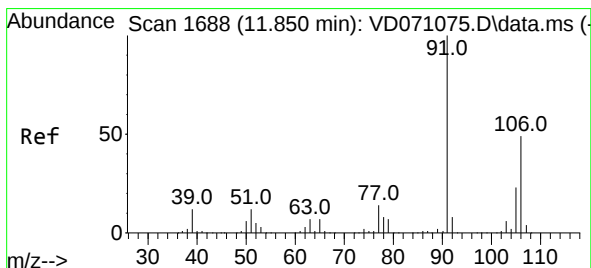
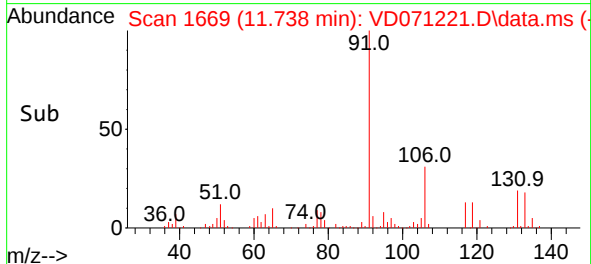
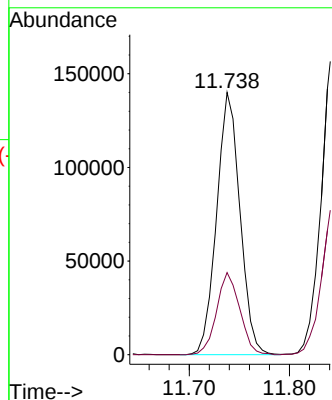
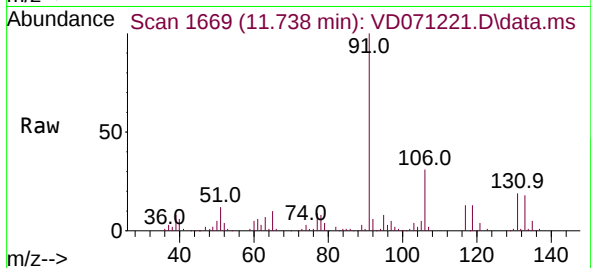
ClientSampleId :

Tgt Ion: 91 Resp: 226241

Ion Ratio Lower Upper

91 100

106 31.3 24.6 36.8



#68

m/p-Xylenes

Concen: 35.228 ug/l

RT: 11.850 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VD071221.D

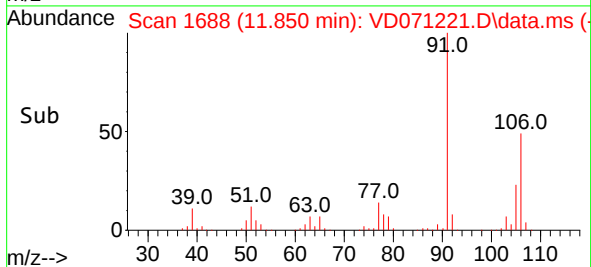
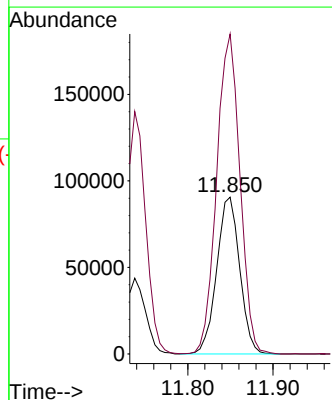
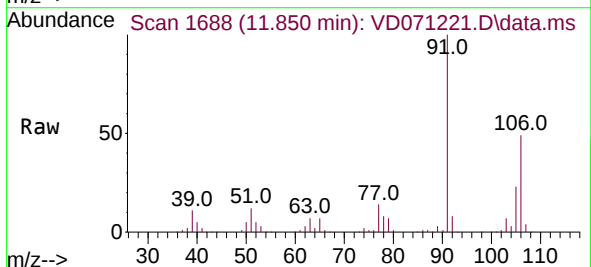
Acq: 09 Dec 2021 11:36

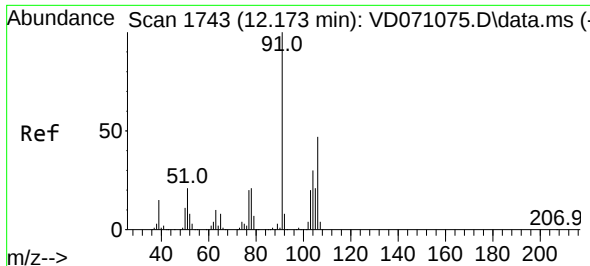
Tgt Ion:106 Resp: 169994

Ion Ratio Lower Upper

106 100

91 206.6 160.1 240.1

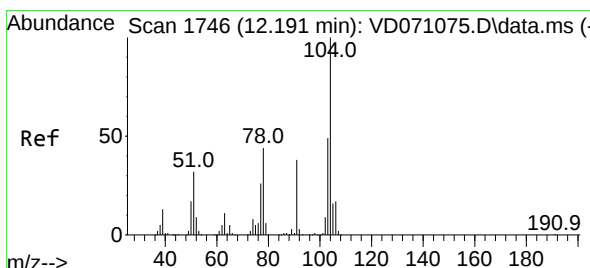
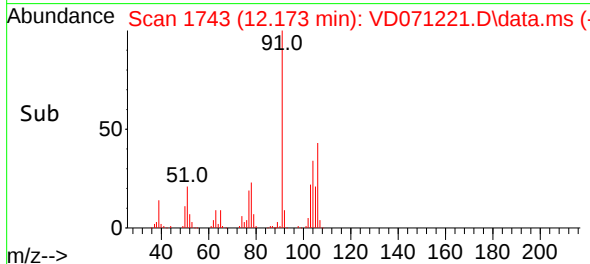
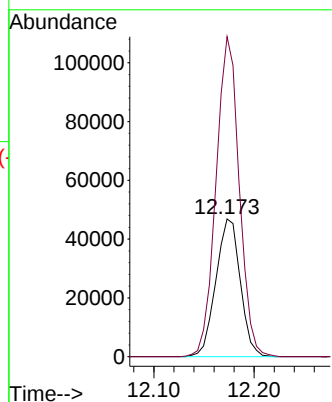
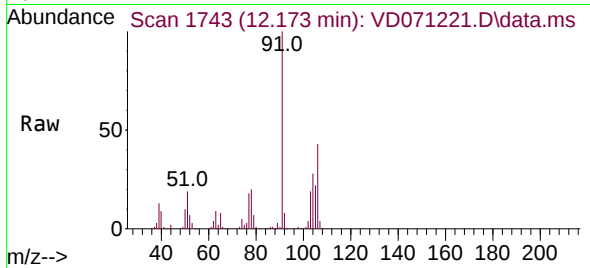




#69  
o-Xylene  
Concen: 17.472 ug/l  
RT: 12.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

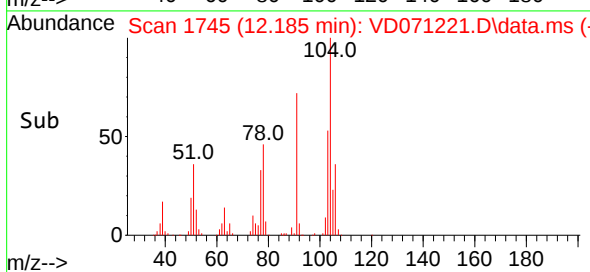
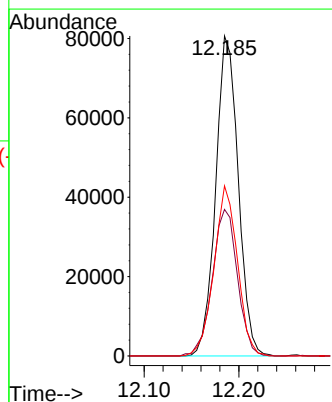
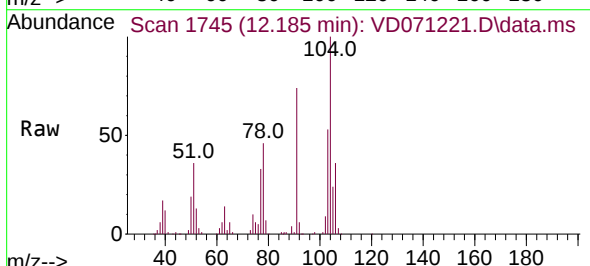
Instrument :  
MSVOA\_D  
ClientSampleId :

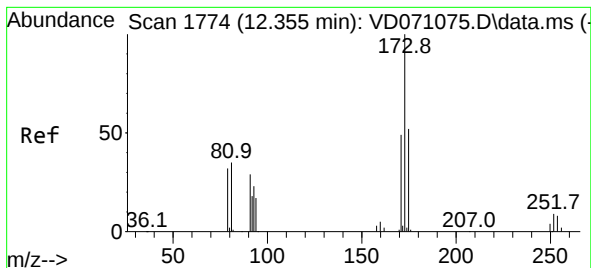
Tgt Ion:106 Resp: 79241  
Ion Ratio Lower Upper  
106 100  
91 221.3 106.3 319.0



#70  
Styrene  
Concen: 17.505 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:104 Resp: 133802  
Ion Ratio Lower Upper  
104 100  
78 50.9 39.4 59.0  
103 55.2 43.4 65.0





#71

Bromoform

Concen: 17.148 ug/l

RT: 12.349 min Scan# 1773

Delta R.T. -0.006 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

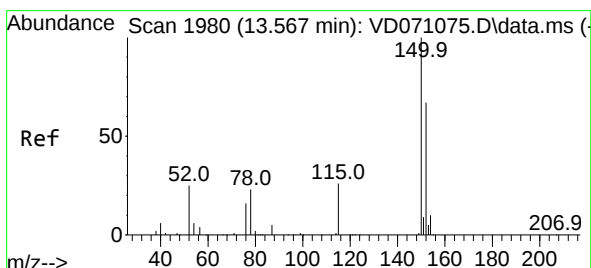
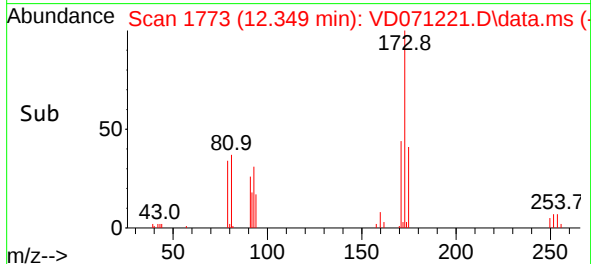
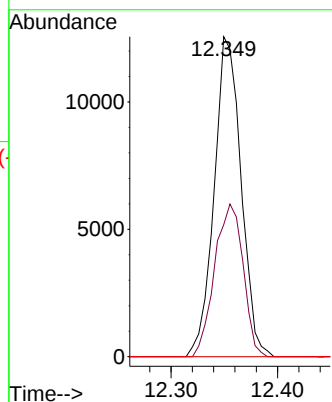
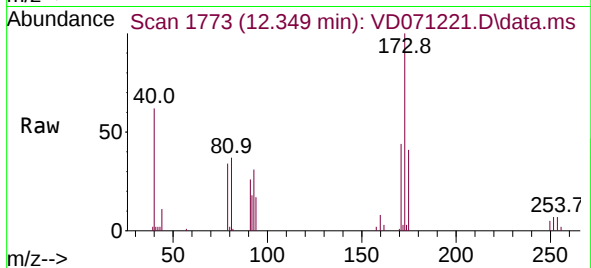
Tgt Ion:173 Resp: 22023

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.2

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

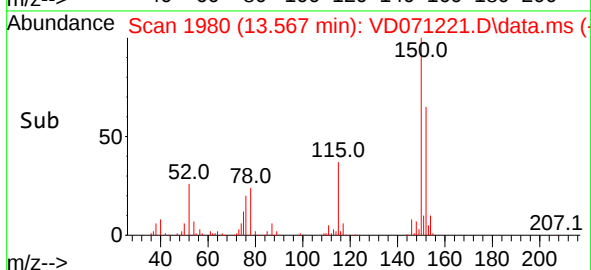
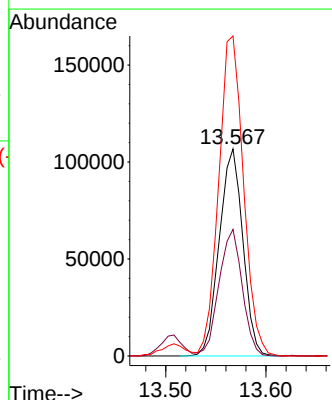
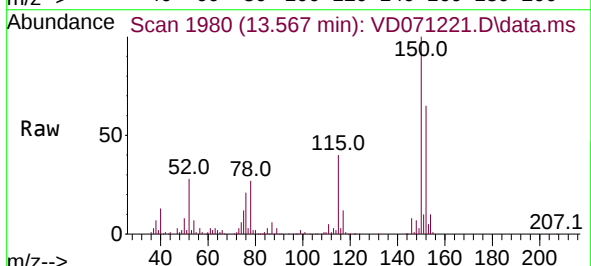
Tgt Ion:152 Resp: 174266

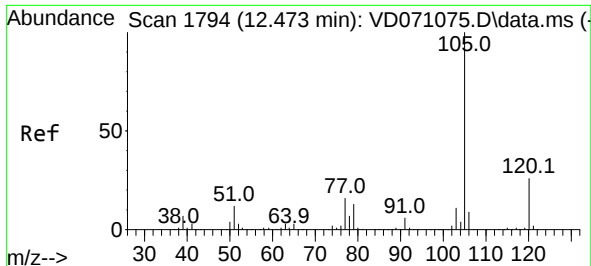
Ion Ratio Lower Upper

152 100

115 60.5 29.8 89.3

150 162.5 0.0 349.2

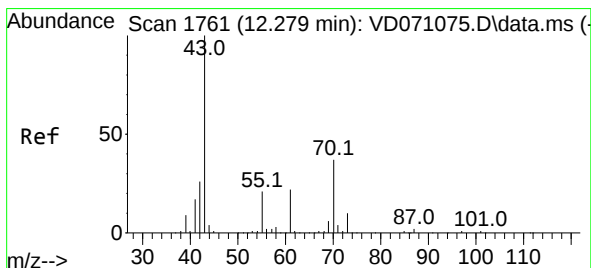
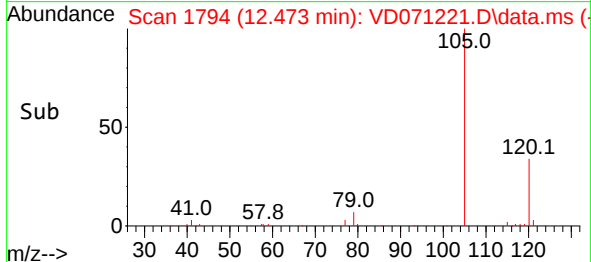
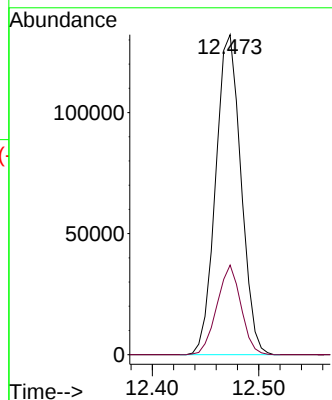
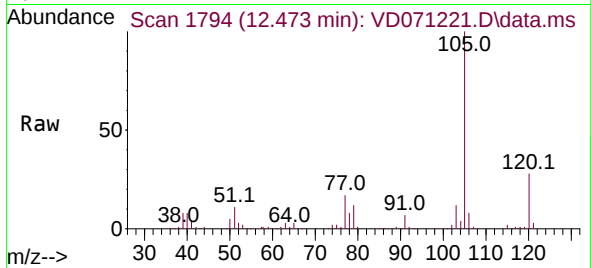




#73  
Isopropylbenzene  
Concen: 17.276 ug/l  
RT: 12.473 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

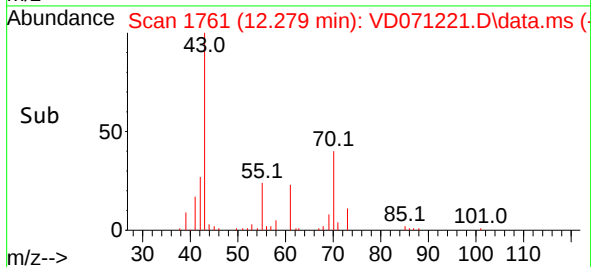
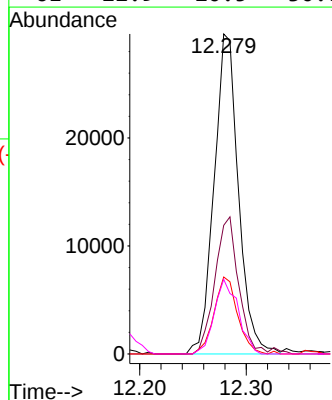
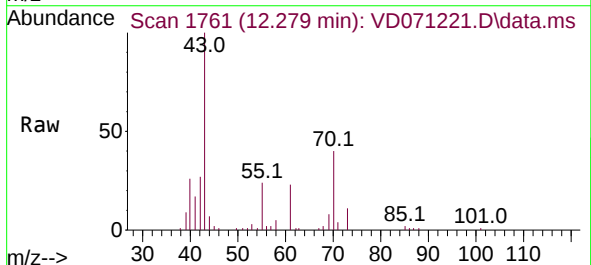
Instrument :  
MSVOA\_D  
ClientSampleId :

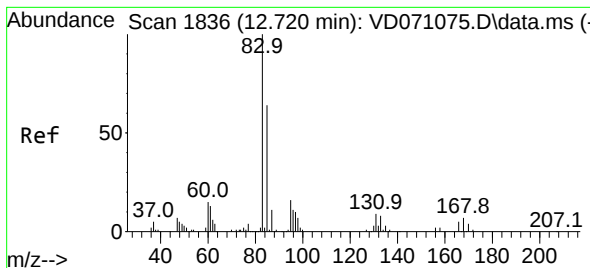
Tgt Ion:105 Resp: 217994  
Ion Ratio Lower Upper  
105 100  
120 26.4 13.2 39.5



#74  
N-ethyl acetate  
Concen: 17.750 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 43 Resp: 46982  
Ion Ratio Lower Upper  
43 100  
70 41.6 36.6 55.0  
55 23.2 22.5 33.7  
61 22.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 17.531 ug/l

RT: 12.726 min Scan# 1837

Delta R.T. 0.006 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

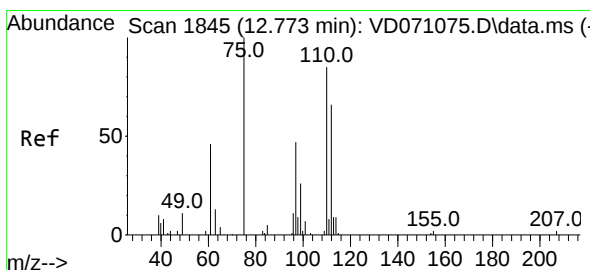
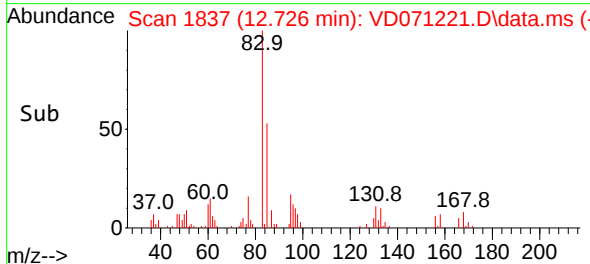
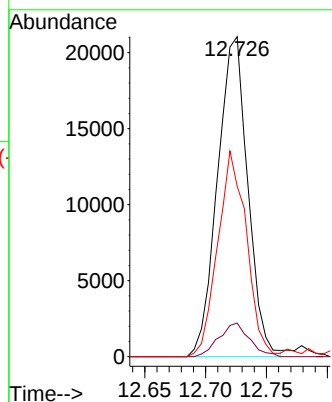
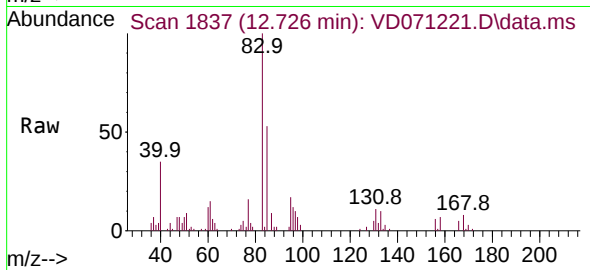
Tgt Ion: 83 Resp: 36429

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.7

85 61.2 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 27.184 ug/l

RT: 12.773 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VD071221.D

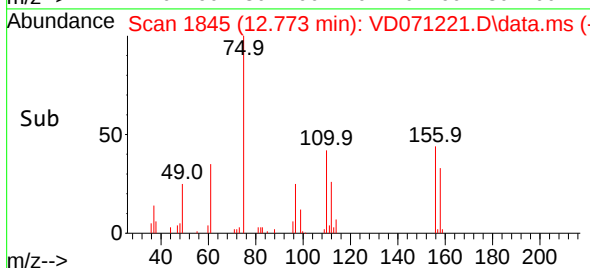
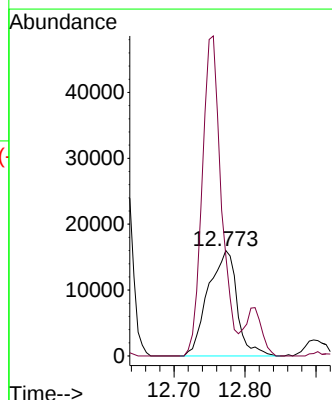
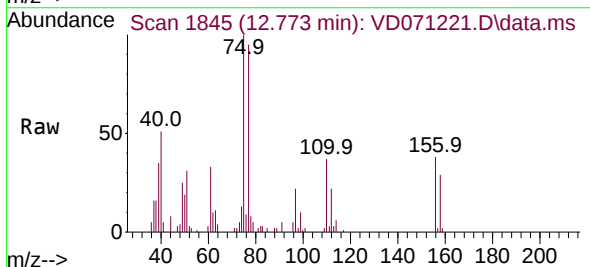
Acq: 09 Dec 2021 11:36

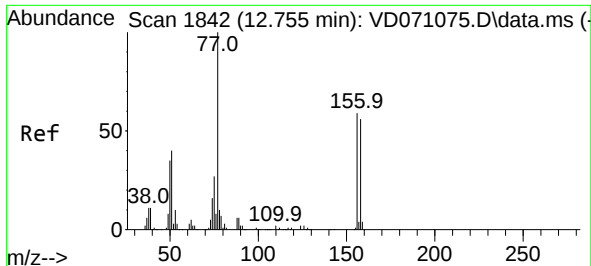
Tgt Ion: 75 Resp: 45135

Ion Ratio Lower Upper

75 100

77 203.3 158.4 475.3

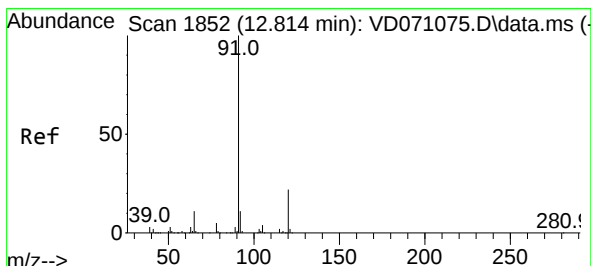
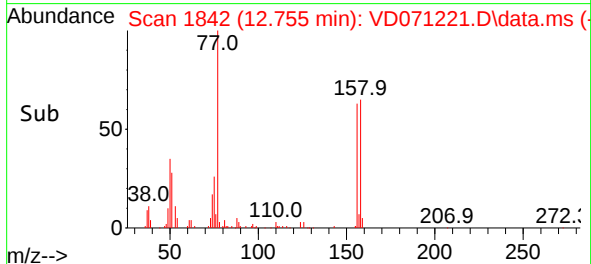
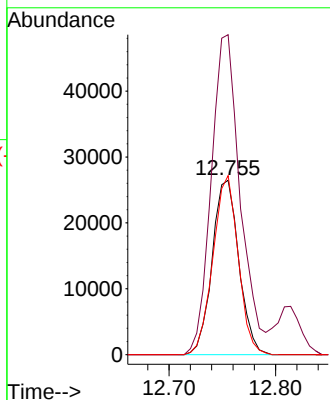
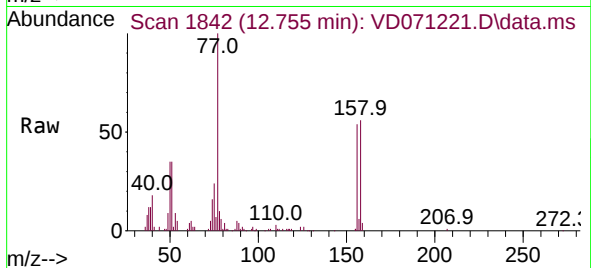




#77  
Bromobenzene  
Concen: 16.837 ug/l  
RT: 12.755 min Scan# 1842  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

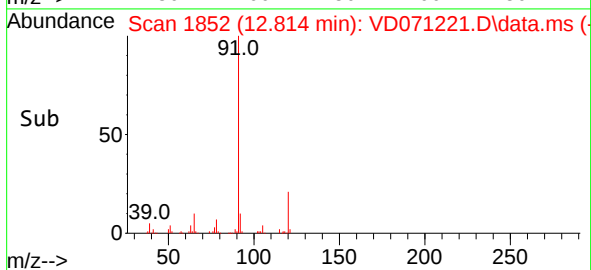
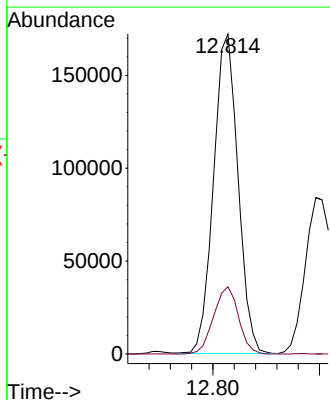
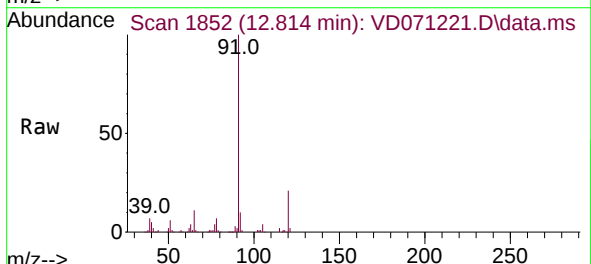
Instrument :  
MSVOA\_D  
ClientSampleId :

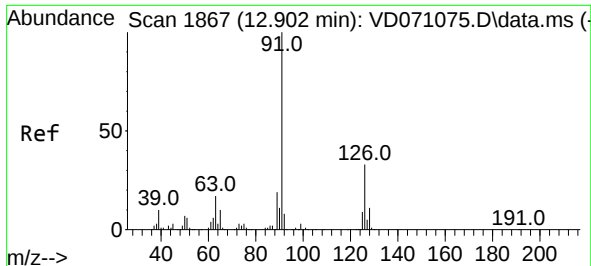
Tgt Ion:156 Resp: 46018  
Ion Ratio Lower Upper  
156 100  
77 199.4 96.6 289.8  
158 97.1 49.1 147.4



#78  
n-propylbenzene  
Concen: 17.429 ug/l  
RT: 12.814 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 91 Resp: 273881  
Ion Ratio Lower Upper  
91 100  
120 21.3 10.9 32.9

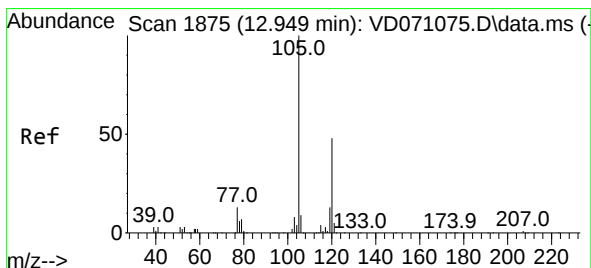
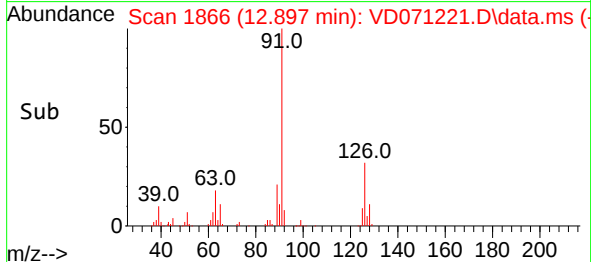
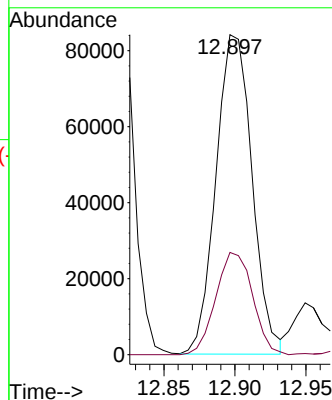
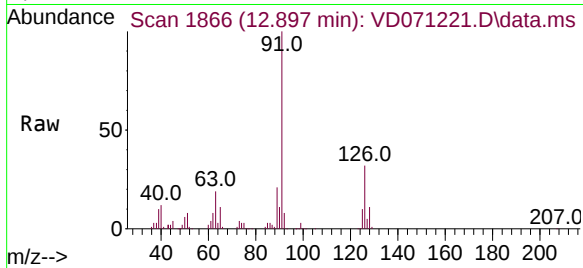




#79  
2-Chlorotoluene  
Concen: 16.879 ug/l  
RT: 12.897 min Scan# 1866  
Delta R.T. -0.005 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

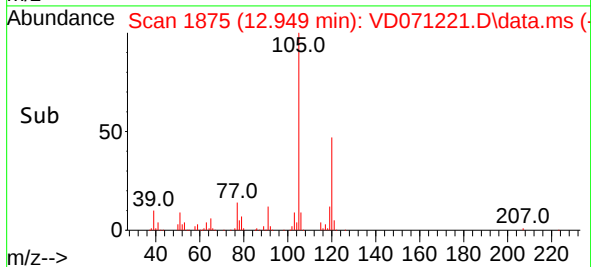
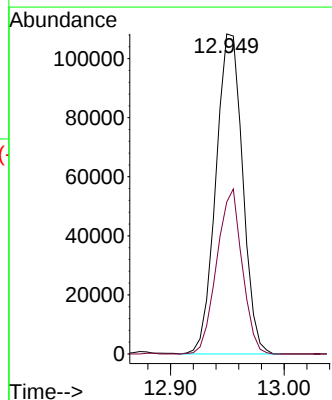
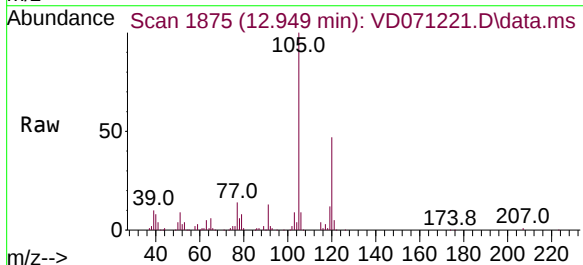
Instrument :  
MSVOA\_D  
ClientSampleId :

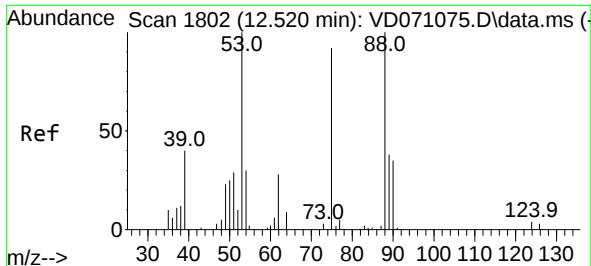
Tgt Ion: 91 Resp: 148869  
Ion Ratio Lower Upper  
91 100  
126 32.6 16.6 49.7



#80  
1,3,5-Trimethylbenzene  
Concen: 17.048 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:105 Resp: 177390  
Ion Ratio Lower Upper  
105 100  
120 48.9 24.6 73.8

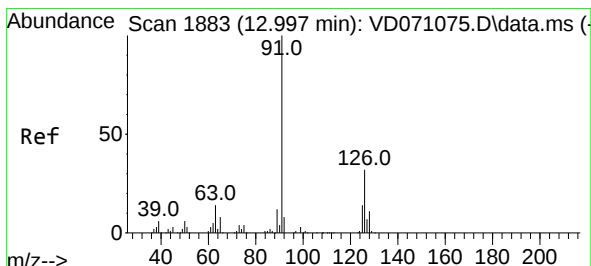
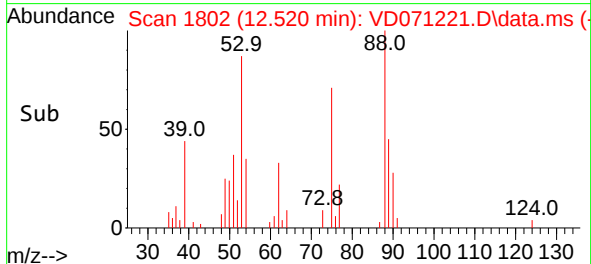
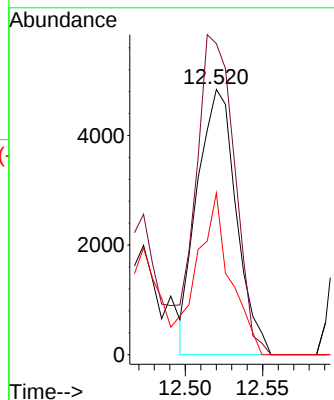
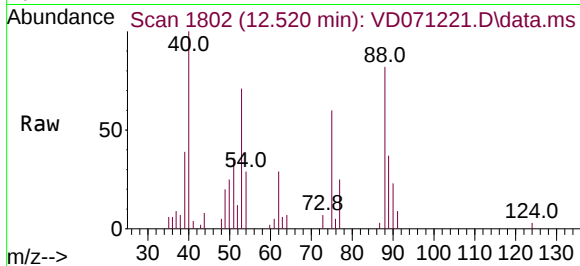




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.313 ug/l  
RT: 12.520 min Scan# 1802  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

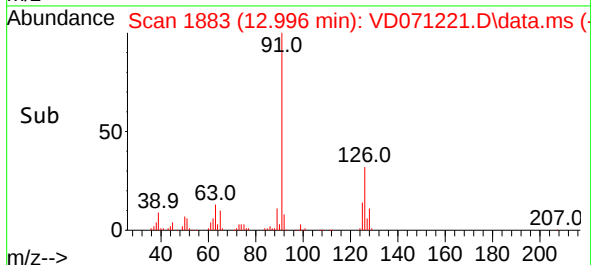
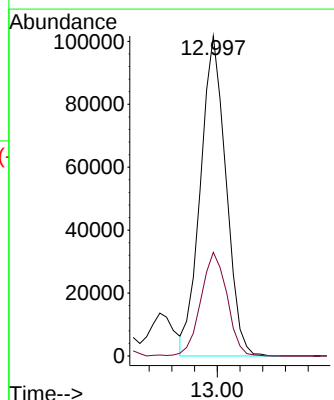
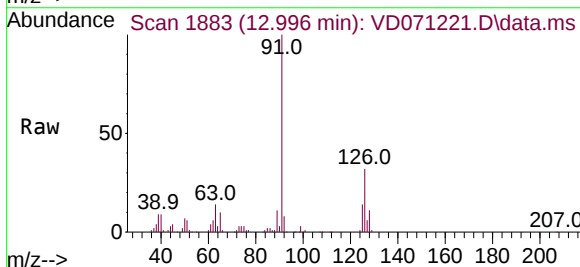
Instrument :  
MSVOA\_D  
ClientSampleId :

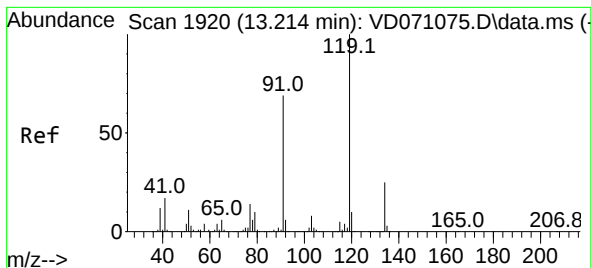
Tgt Ion: 75 Resp: 8459  
Ion Ratio Lower Upper  
75 100  
53 120.5 62.6 94.0#  
89 52.3 34.5 51.7#



#82  
4-Chlorotoluene  
Concen: 17.307 ug/l  
RT: 12.996 min Scan# 1883  
Delta R.T. -0.001 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 91 Resp: 158467  
Ion Ratio Lower Upper  
91 100  
126 33.3 16.4 49.1





#83

tert-Butylbenzene

Concen: 17.011 ug/l

RT: 13.214 min Scan# 1920

Delta R.T. 0.000 min

Lab File: VD071221.D

Acq: 09 Dec 2021 11:36

Instrument :

MSVOA\_D

ClientSampleId :

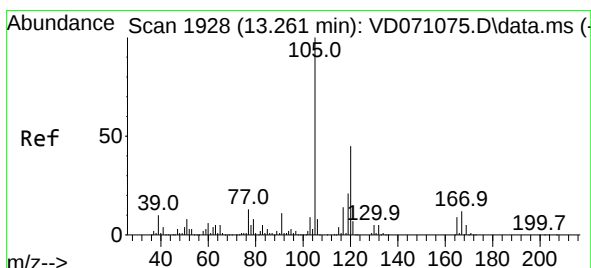
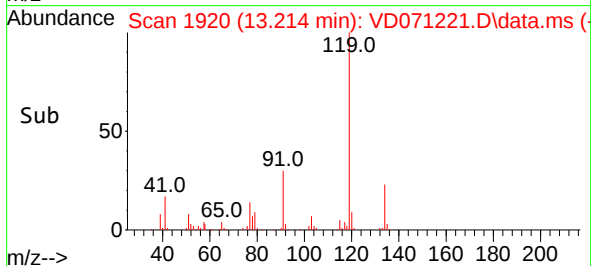
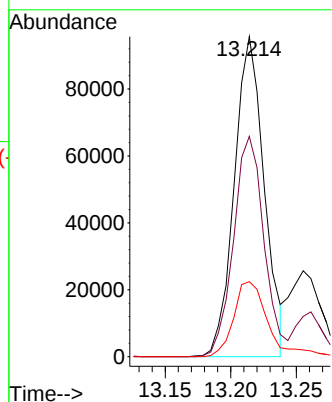
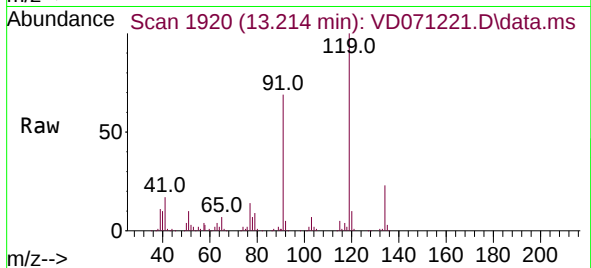
Tgt Ion:119 Resp: 152014

Ion Ratio Lower Upper

119 100

91 70.4 32.5 97.5

134 26.8 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 17.393 ug/l

RT: 13.261 min Scan# 1928

Delta R.T. 0.000 min

Lab File: VD071221.D

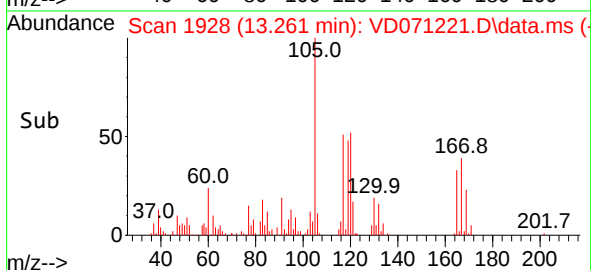
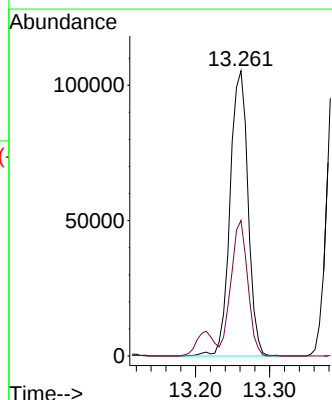
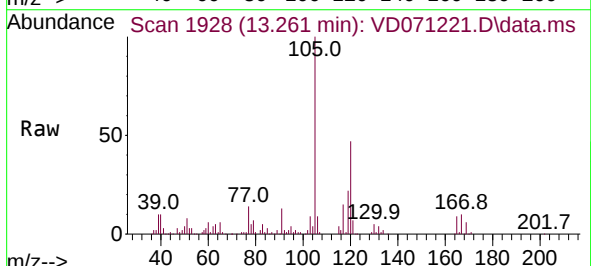
Acq: 09 Dec 2021 11:36

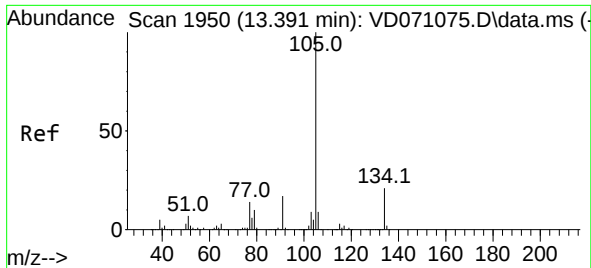
Tgt Ion:105 Resp: 176694

Ion Ratio Lower Upper

105 100

120 44.3 22.9 68.7

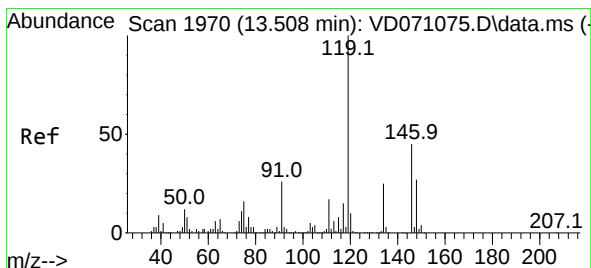
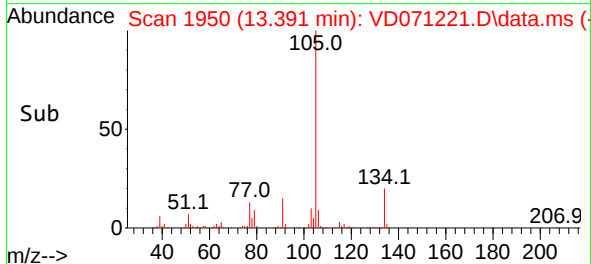
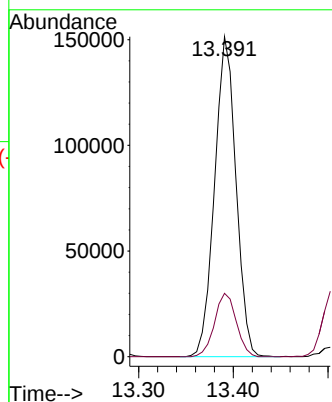
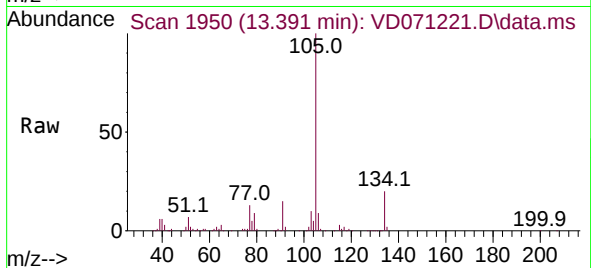




#85  
 sec-Butylbenzene  
 Concen: 17.405 ug/l  
 RT: 13.391 min Scan# 1950  
 Delta R.T. -0.000 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

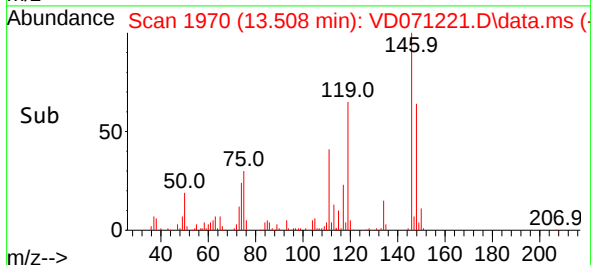
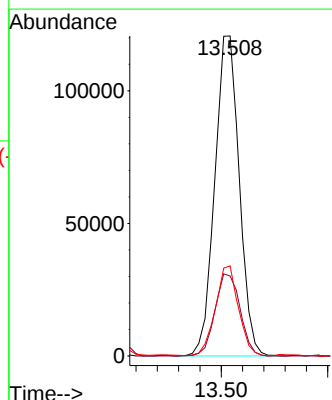
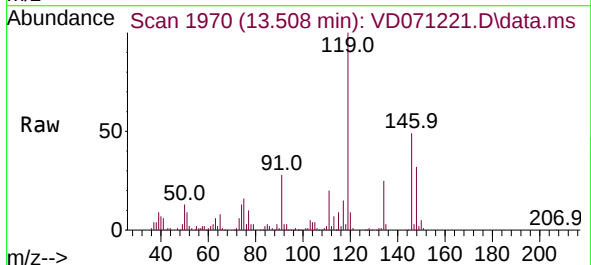
Instrument :  
 MSVOA\_D  
 ClientSampleId :

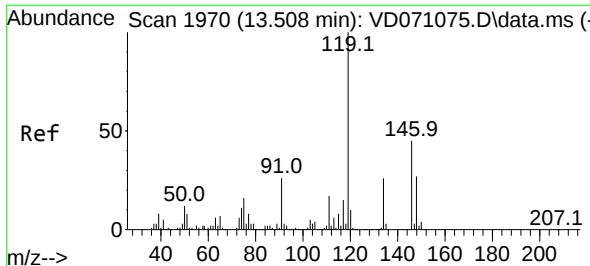
Tgt Ion:105 Resp: 237556  
 Ion Ratio Lower Upper  
 105 100  
 134 20.1 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 17.224 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. 0.000 min  
 Lab File: VD071221.D  
 Acq: 09 Dec 2021 11:36

Tgt Ion:119 Resp: 192277  
 Ion Ratio Lower Upper  
 119 100  
 134 26.3 13.0 38.9  
 91 26.6 11.4 34.2

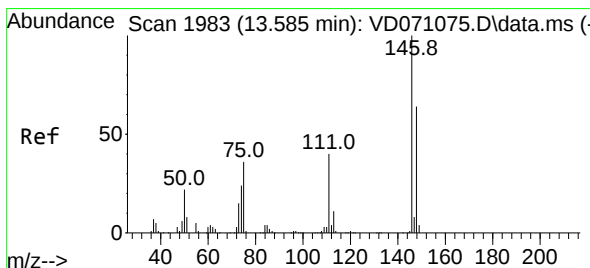
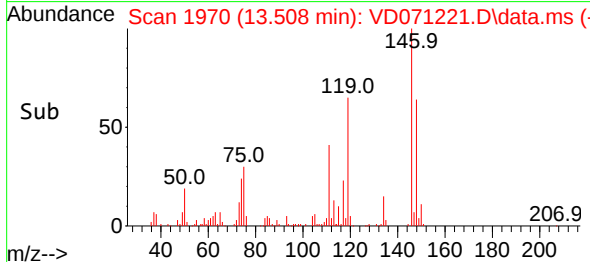
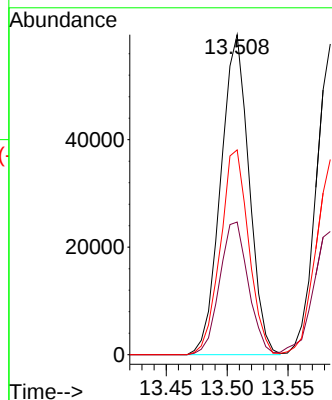
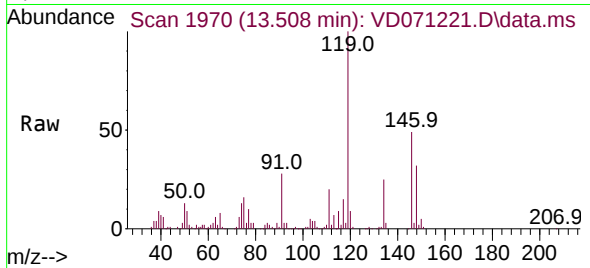




#87  
1,3-Dichlorobenzene  
Concen: 17.680 ug/l  
RT: 13.508 min Scan# 1970  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

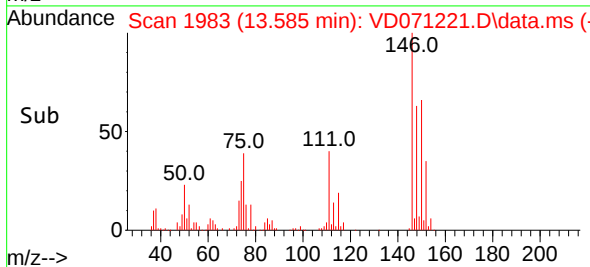
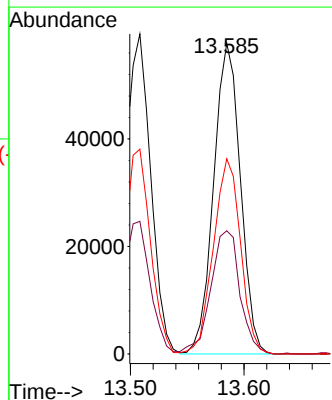
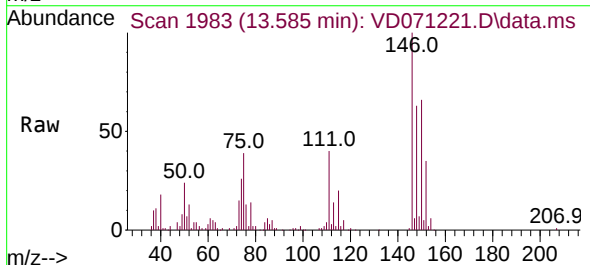
Instrument :  
MSVOA\_D  
ClientSampleId :

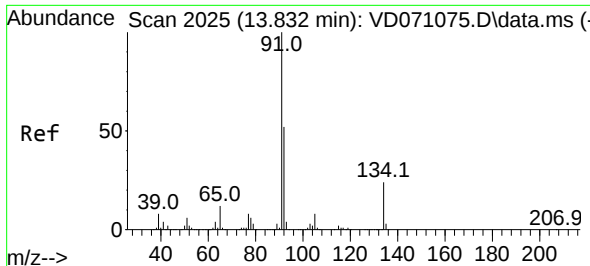
Tgt Ion:146 Resp: 96190  
Ion Ratio Lower Upper  
146 100  
111 42.0 19.8 59.4  
148 64.2 32.1 96.3



#88  
1,4-Dichlorobenzene  
Concen: 17.570 ug/l  
RT: 13.585 min Scan# 1983  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:146 Resp: 94708  
Ion Ratio Lower Upper  
146 100  
111 43.2 19.6 58.8  
148 63.8 31.5 94.5

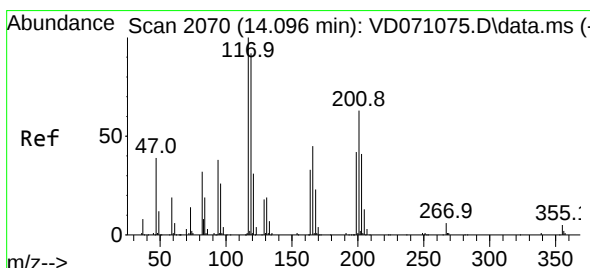
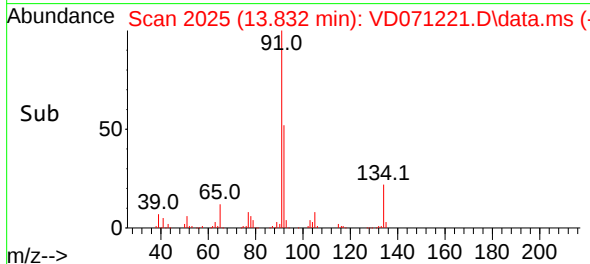
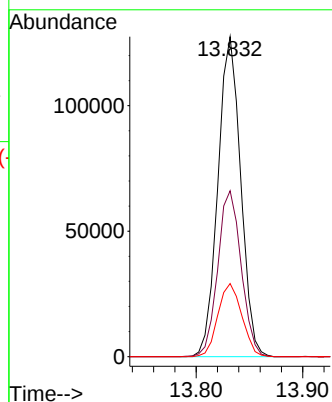
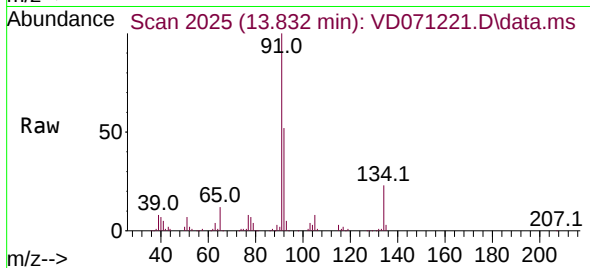




#89  
n-Butylbenzene  
Concen: 17.392 ug/l  
RT: 13.832 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

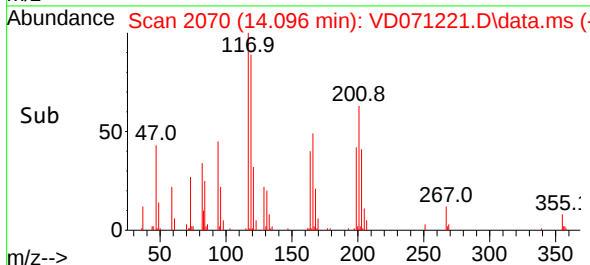
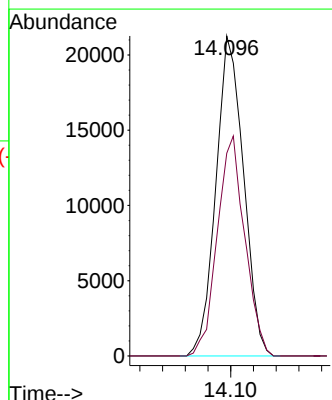
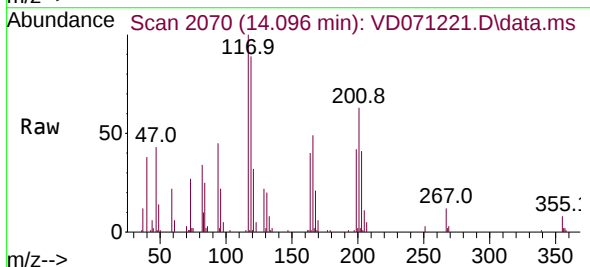
Instrument :  
MSVOA\_D  
ClientSampleId :

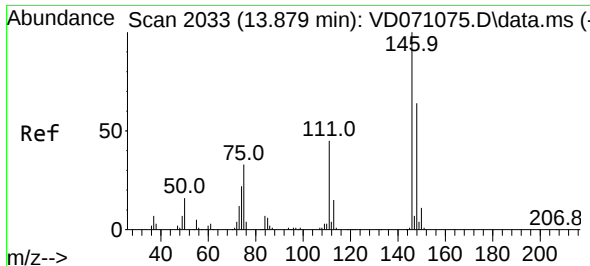
Tgt Ion: 91 Resp: 189519  
Ion Ratio Lower Upper  
91 100  
92 53.2 27.3 81.9  
134 24.0 12.3 36.9



#90  
Hexachloroethane  
Concen: 16.977 ug/l  
RT: 14.096 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 117 Resp: 35926  
Ion Ratio Lower Upper  
117 100  
201 68.5 36.0 108.1

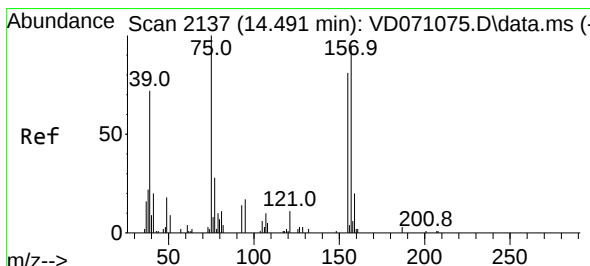
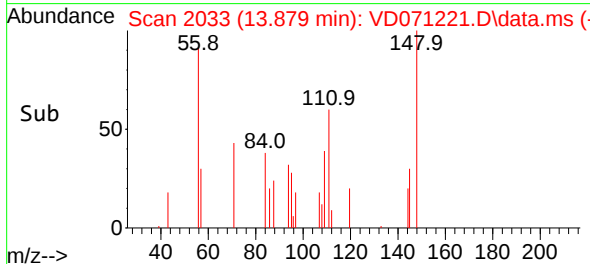
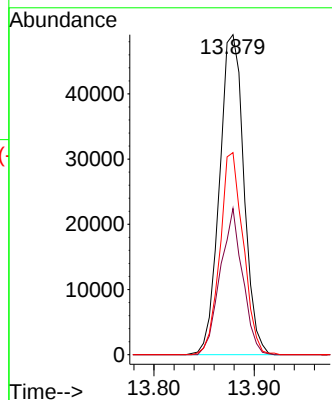
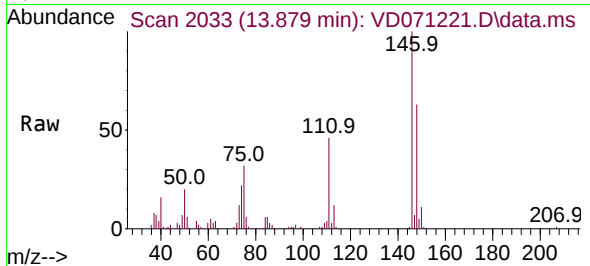




#91  
1,2-Dichlorobenzene  
Concen: 17.905 ug/l  
RT: 13.879 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

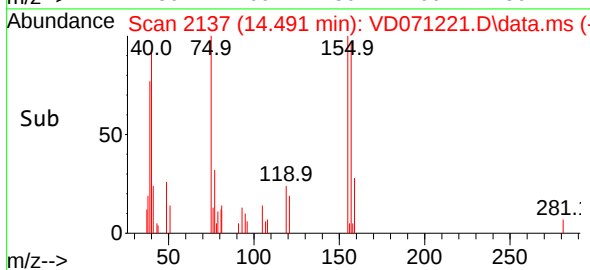
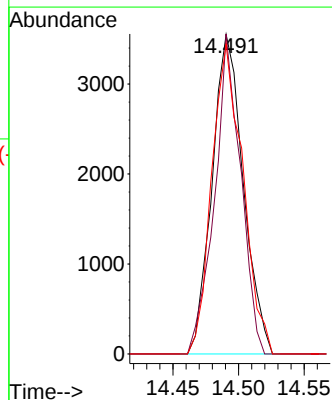
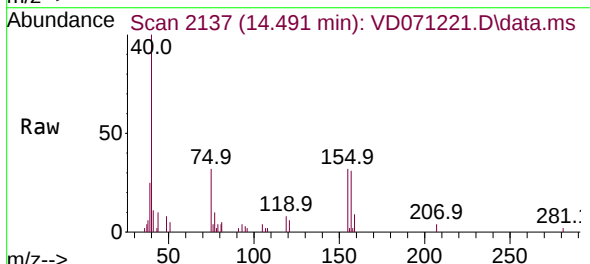
Instrument :  
MSVOA\_D  
ClientSampleId :

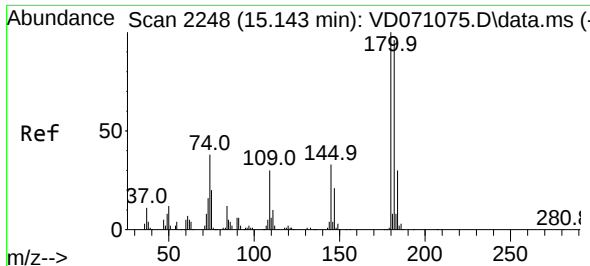
Tgt Ion:146 Resp: 82842  
Ion Ratio Lower Upper  
146 100  
111 41.9 20.8 62.2  
148 60.3 31.7 95.1



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.326 ug/l  
RT: 14.491 min Scan# 2137  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion: 75 Resp: 5863  
Ion Ratio Lower Upper  
75 100  
155 83.7 40.0 120.0  
157 96.7 49.8 149.3

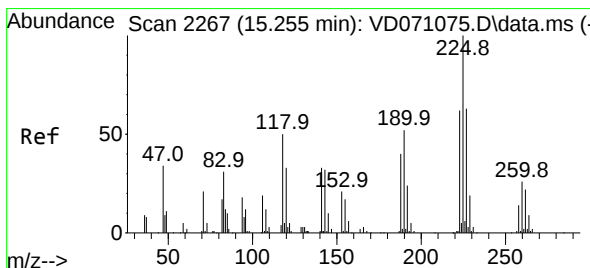
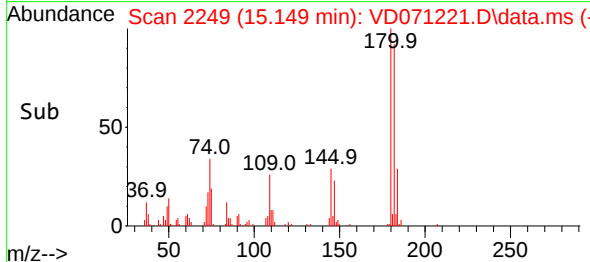
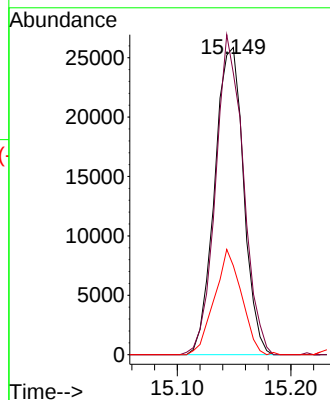
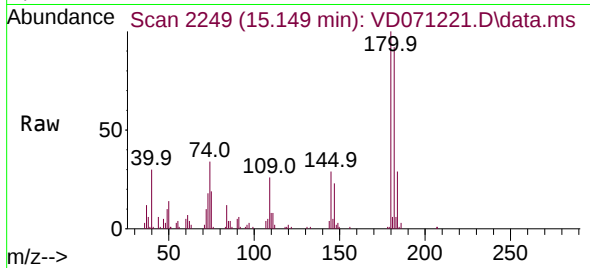




#93  
1,2,4-Trichlorobenzene  
Concen: 15.870 ug/l  
RT: 15.149 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

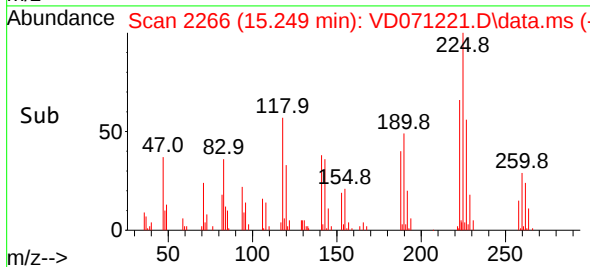
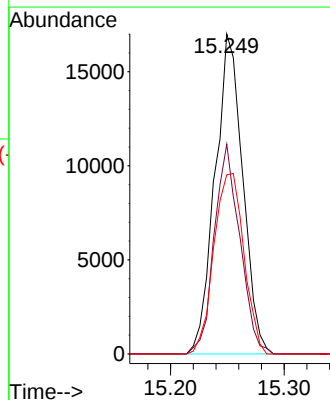
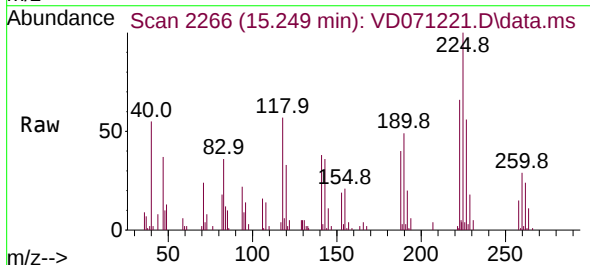
Instrument :  
MSVOA\_D  
ClientSampleId :

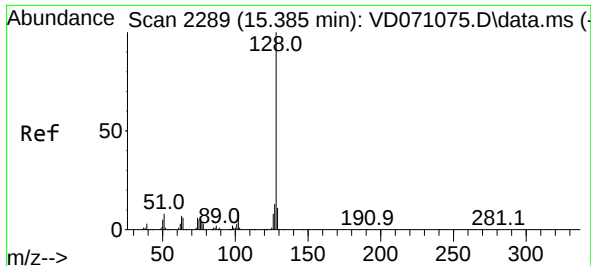
Tgt Ion:180 Resp: 45802  
Ion Ratio Lower Upper  
180 100  
182 99.9 48.2 144.6  
145 32.2 15.4 46.2



#94  
Hexachlorobutadiene  
Concen: 17.646 ug/l  
RT: 15.249 min Scan# 2266  
Delta R.T. -0.006 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:225 Resp: 28815  
Ion Ratio Lower Upper  
225 100  
223 60.4 31.8 95.3  
227 61.1 31.6 94.8

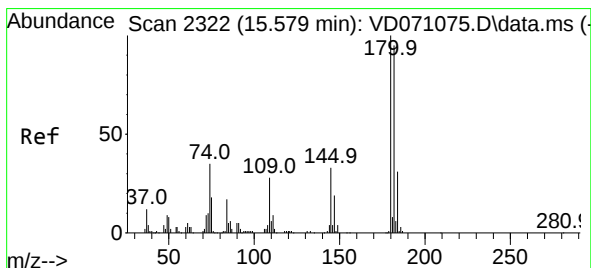
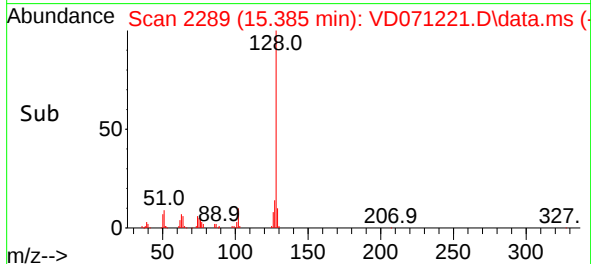
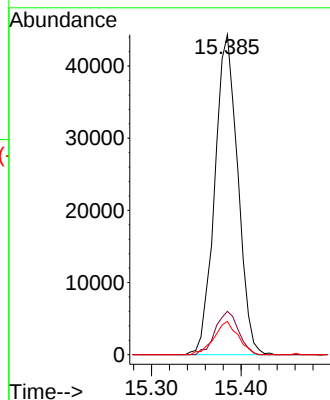
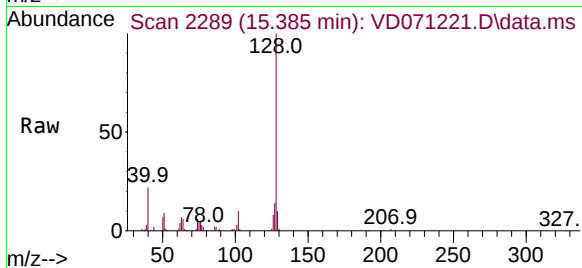




#95  
Naphthalene  
Concen: 15.552 ug/l  
RT: 15.385 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 79123  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.7 16.1  
129 10.9 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 15.806 ug/l  
RT: 15.579 min Scan# 2322  
Delta R.T. -0.000 min  
Lab File: VD071221.D  
Acq: 09 Dec 2021 11:36

Tgt Ion:180 Resp: 38745  
Ion Ratio Lower Upper  
180 100  
182 98.6 46.7 140.1  
145 36.7 15.9 47.6

