

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120321\  
 Data File : VD071139.D  
 Acq On : 03 Dec 2021 17:57  
 Operator : VA/SY  
 Sample : VSTDCCC050  
 Misc : 5.03G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 04 03:51:36 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   | 263074   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.861  | 114   | 442253   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.638 | 117   | 410042   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.567 | 152   | 204937   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.332  | 65    | 152271   | 49.329   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.660%  |
| 35) Dibromofluoromethane     | 7.914  | 113   | 139337   | 49.477   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 98.960%  |
| 50) Toluene-d8               | 10.338 | 98    | 497923   | 46.460   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | =      | 92.920%  |
| 62) 4-Bromofluorobenzene     | 12.626 | 95    | 178043   | 47.926   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | =      | 95.860%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.991  | 85    | 101891   | 45.418   | ug/l   | 98       |
| 3) Chloromethane             | 2.209  | 50    | 159532   | 53.752   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.350  | 62    | 186393   | 56.291   | ug/l   | 99       |
| 5) Bromomethane              | 2.768  | 94    | 123143   | 51.589   | ug/l   | 96       |
| 6) Chloroethane              | 2.926  | 64    | 133316   | 58.538   | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 3.279  | 101   | 237252   | 52.892   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.709  | 74    | 69223    | 56.925   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.097  | 101   | 141674   | 53.534   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.303  | 142   | 132805   | 43.791   | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.215  | 59    | 68363    | 363.652  | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 4.073  | 96    | 122215   | 50.043   | ug/l   | 90       |
| 13) Acrolein                 | 3.926  | 56    | 46375    | 219.842  | ug/l   | 99       |
| 14) Allyl chloride           | 4.715  | 41    | 237664   | 51.234   | ug/l # | 81       |
| 15) Acrylonitrile            | 5.420  | 53    | 187011   | 316.218  | ug/l   | 97       |
| 16) Acetone                  | 4.156  | 43    | 240133   | 287.668  | ug/l # | 88       |
| 17) Carbon Disulfide         | 4.409  | 76    | 350849   | 49.067   | ug/l   | 97       |
| 18) Methyl Acetate           | 4.720  | 43    | 131474   | 57.726   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.473  | 73    | 346179   | 57.839   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.967  | 84    | 154494   | 49.561   | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 5.473  | 96    | 148158   | 53.893   | ug/l   | 91       |
| 22) Diisopropyl ether        | 6.367  | 45    | 523966   | 56.376   | ug/l   | 94       |
| 23) Vinyl Acetate            | 6.303  | 43    | 1330035  | 263.038  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.261  | 63    | 288255   | 53.923   | ug/l   | 96       |
| 25) 2-Butanone               | 7.209  | 43    | 272225   | 283.293  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.209  | 77    | 244949   | 50.390   | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.214  | 96    | 174445   | 56.089   | ug/l   | 94       |
| 28) Bromochloromethane       | 7.544  | 49    | 123064   | 53.002   | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.561  | 42    | 157863   | 322.061  | ug/l   | 93       |
| 30) Chloroform               | 7.708  | 83    | 298564   | 55.651   | ug/l   | 91       |
| 31) Cyclohexane              | 7.985  | 56    | 253619   | 48.302   | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.903  | 97    | 261434   | 54.276   | ug/l   | 94       |
| 36) 1,1-Dichloropropene      | 8.108  | 75    | 217258   | 52.561   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.297  | 43    | 112086   | 62.776   | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.097  | 117   | 221845   | 54.447   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.350  | 83    | 259072   | 52.110   | ug/l   | 98       |
| 40) Benzene                  | 8.350  | 78    | 603745   | 53.773   | ug/l   | 98       |

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 ALS Vial : 5 Sample Multiplier: 1

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 MSVOA\_D  
 ClientSampleId :

Quant Time: Dec 04 03:51:36 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         | 7.520  | 41   | 62851    | 67.235   | ug/l # | 82       |
| 42) 1,2-Dichloroethane        | 8.420  | 62   | 197856   | 57.732   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.450  | 43   | 219741   | 55.312   | ug/l # | 88       |
| 44) Trichloroethene           | 9.108  | 130  | 156023   | 52.119   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.385  | 63   | 161660   | 54.751   | ug/l   | 98       |
| 46) Dibromomethane            | 9.473  | 93   | 90114    | 58.826   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.655  | 83   | 229053   | 56.539   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.455  | 41   | 106642   | 61.018   | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.455  | 88   | 20207    | 1366.501 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 10.220 | 43   | 579764   | 283.302  | ug/l   | 91       |
| 52) Toluene                   | 10.397 | 92   | 391929   | 55.017   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.614 | 75   | 212979   | 57.179   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.085 | 75   | 245282   | 55.438   | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 10.797 | 97   | 119688   | 59.558   | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.655 | 69   | 155166   | 53.200   | ug/l # | 75       |
| 57) 1,3-Dichloropropane       | 10.944 | 76   | 212406   | 60.167   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.938  | 63   | 363074   | 265.502  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.979 | 43   | 431925   | 279.909  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.132 | 129  | 150008   | 60.060   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 115079   | 59.625   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.873 | 164  | 138446   | 53.184   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.667 | 112  | 404857   | 53.214   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.738 | 131  | 156861   | 56.468   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.738 | 91   | 766040   | 53.486   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.849 | 106  | 581540   | 107.550  | ug/l   | 97       |
| 69) o-Xylene                  | 12.173 | 106  | 274468   | 54.007   | ug/l   | 97       |
| 70) Styrene                   | 12.185 | 104  | 476089   | 55.585   | ug/l   | 97       |
| 71) Bromoform                 | 12.355 | 173  | 88109    | 61.225   | ug/l   | 99       |
| 73) Isopropylbenzene          | 12.473 | 105  | 741881   | 49.995   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.279 | 43   | 205692   | 50.557   | ug/l # | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.720 | 83   | 140147   | 57.350   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.773 | 75   | 185199   | 94.850   | ug/l # | 1        |
| 77) Bromobenzene              | 12.749 | 156  | 162860   | 50.670   | ug/l   | 98       |
| 78) n-propylbenzene           | 12.814 | 91   | 927161   | 50.172   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.902 | 91   | 516366   | 49.785   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.949 | 105  | 614237   | 50.197   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.520 | 75   | 40006    | 48.162   | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 12.996 | 91   | 538084   | 49.972   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.214 | 119  | 528799   | 50.320   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.261 | 105  | 614662   | 51.450   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.391 | 105  | 809654   | 50.444   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.508 | 119  | 669990   | 51.036   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.508 | 146  | 334896   | 52.342   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.585 | 146  | 332689   | 52.483   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.832 | 91   | 658446   | 51.380   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.096 | 117  | 124699   | 50.109   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.879 | 146  | 288862   | 53.089   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.490 | 75   | 23752    | 59.685   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.149 | 180  | 182647   | 53.815   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.249 | 225  | 98427    | 51.255   | ug/l   | 99       |
| 95) Naphthalene               | 15.385 | 128  | 352878   | 58.980   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.579 | 180  | 162562   | 56.393   | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Mon Nov 29 17:54:09 2021  
Response via : Initial Calibration

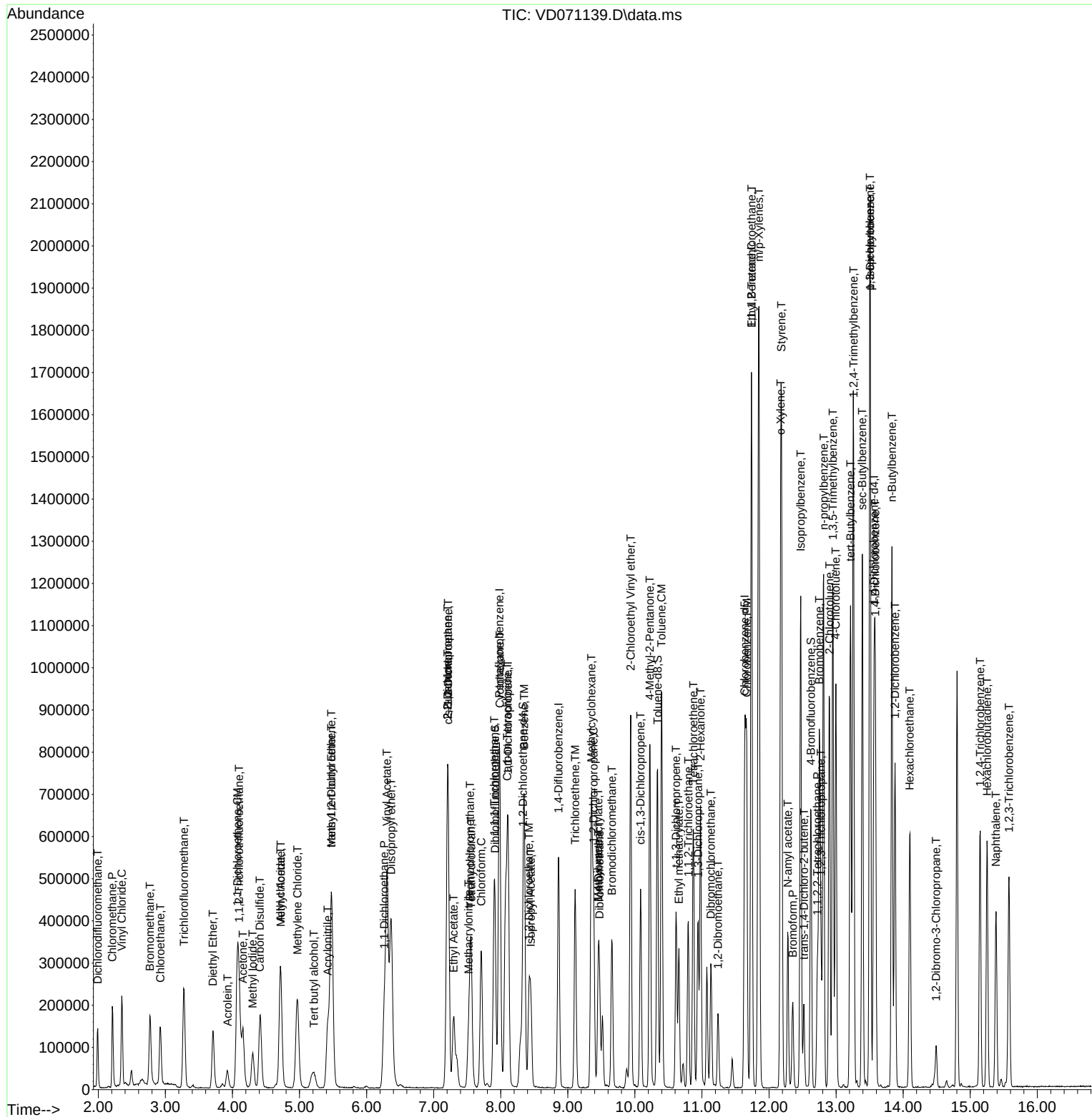
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

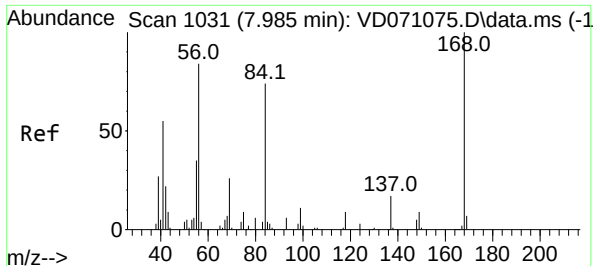
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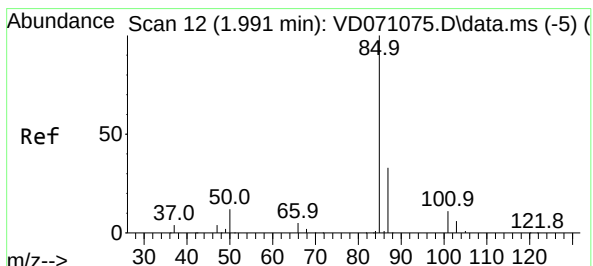
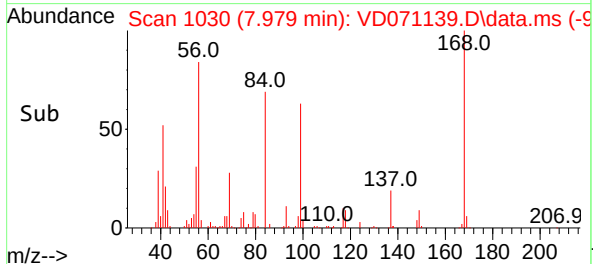
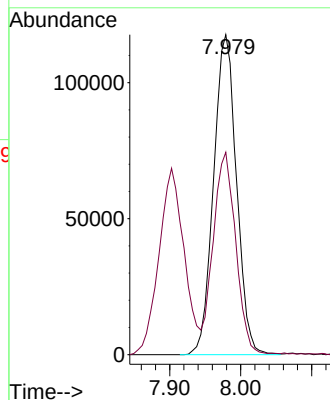
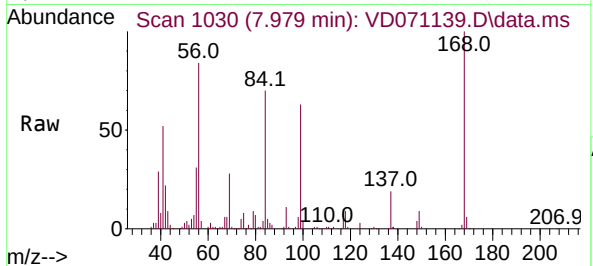




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

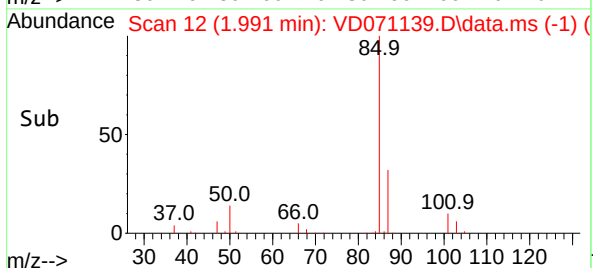
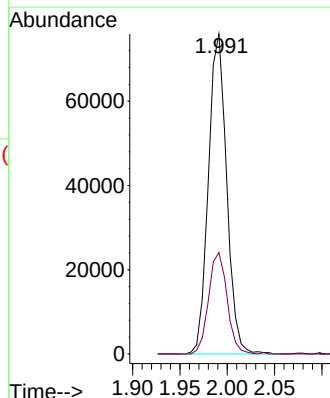
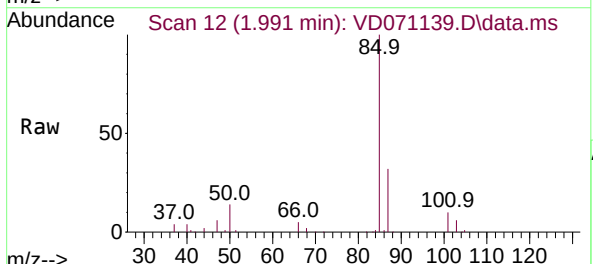
Instrument :  
MSVOA\_D  
ClientSampleId :

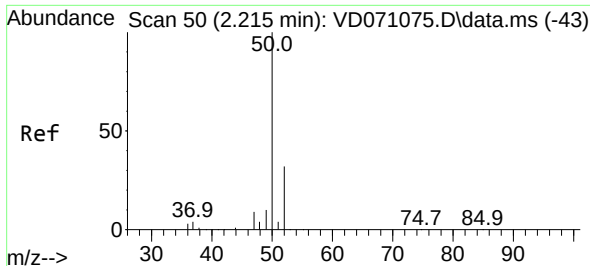
Tgt Ion:168 Resp: 263074  
Ion Ratio Lower Upper  
168 100  
99 63.0 46.6 69.8



#2  
Dichlorodifluoromethane  
Concen: 45.418 ug/l  
RT: 1.991 min Scan# 12  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 85 Resp: 101891  
Ion Ratio Lower Upper  
85 100  
87 31.7 15.2 45.6

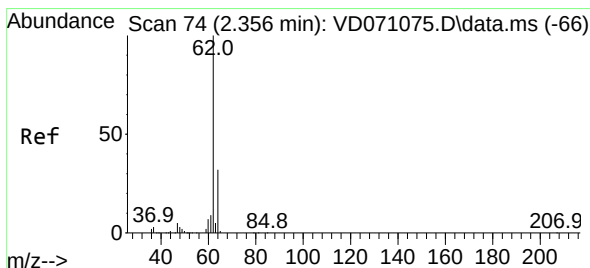
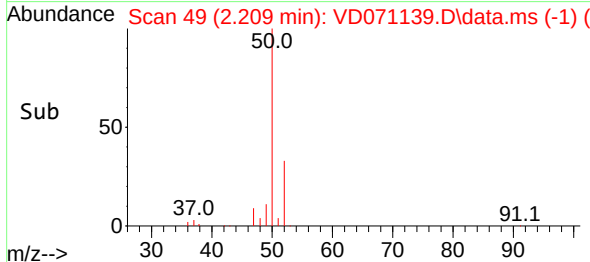
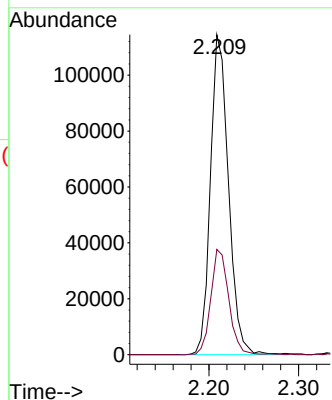
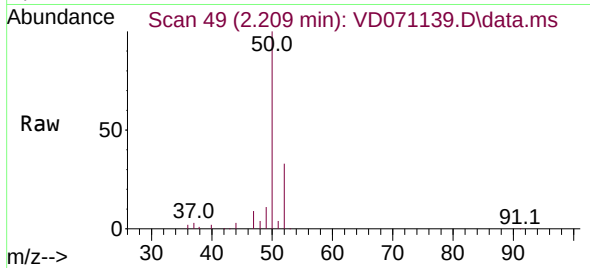




#3  
Chloromethane  
Concen: 53.752 ug/l  
RT: 2.209 min Scan# 49  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

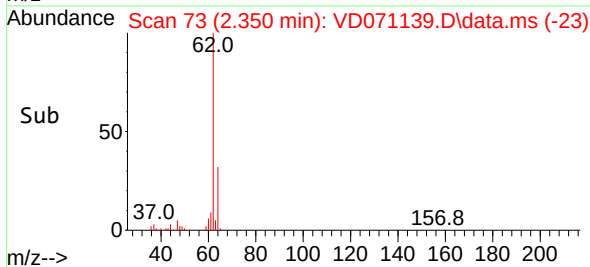
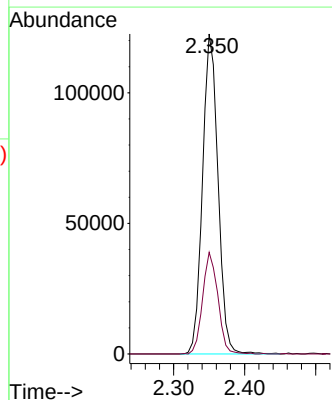
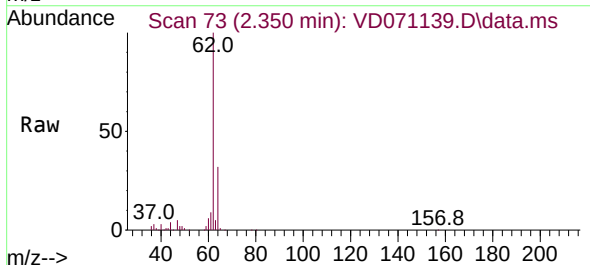
Instrument :  
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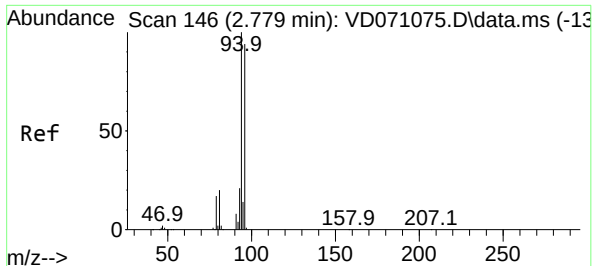
Tgt Ion: 50 Resp: 159532  
Ion Ratio Lower Upper  
50 100  
52 32.9 25.8 38.8



#4  
Vinyl Chloride  
Concen: 56.291 ug/l  
RT: 2.350 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 62 Resp: 186393  
Ion Ratio Lower Upper  
62 100  
64 31.8 26.0 39.0

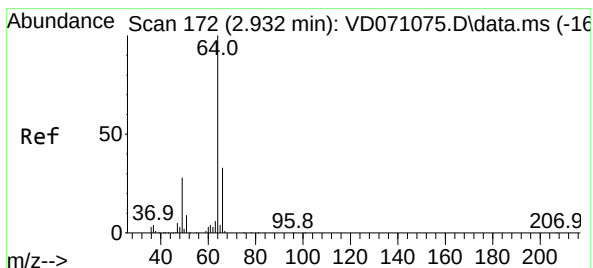
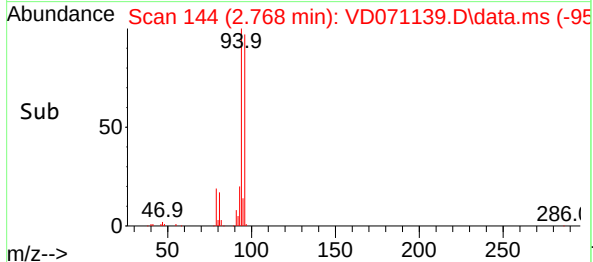
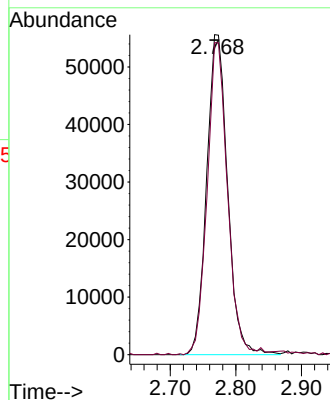
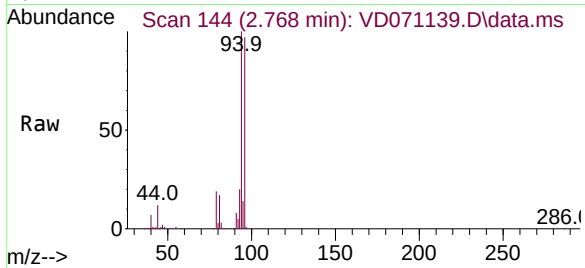




#5  
Bromomethane  
Concen: 51.589 ug/l  
RT: 2.768 min Scan# 146  
Delta R.T. -0.011 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

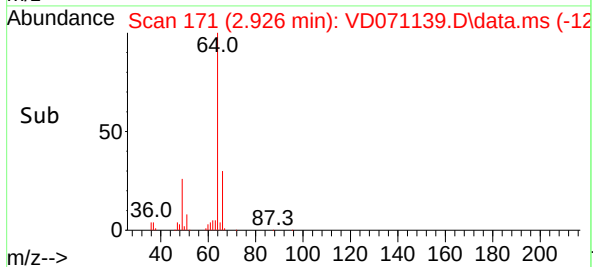
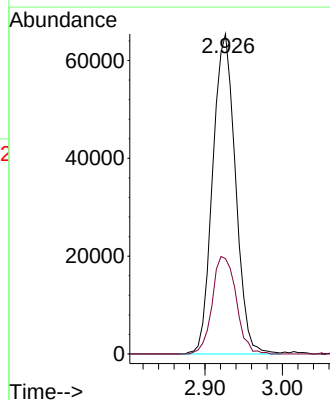
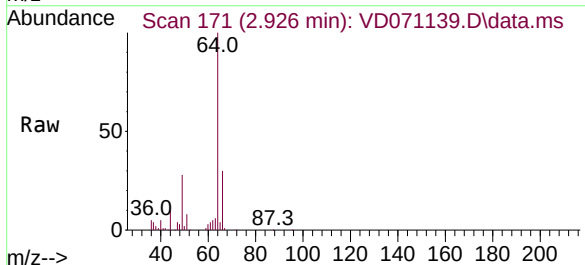
Instrument :  
MSVOA\_D  
ClientSampleId :

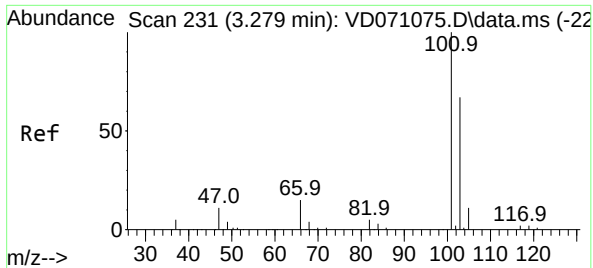
Tgt Ion: 94 Resp: 123143  
Ion Ratio Lower Upper  
94 100  
96 97.2 74.8 112.2



#6  
Chloroethane  
Concen: 58.538 ug/l  
RT: 2.926 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

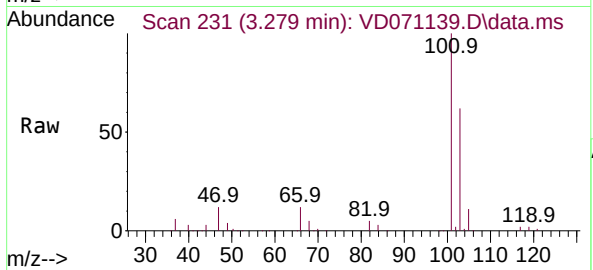
Tgt Ion: 64 Resp: 133316  
Ion Ratio Lower Upper  
64 100  
66 29.8 29.0 43.4



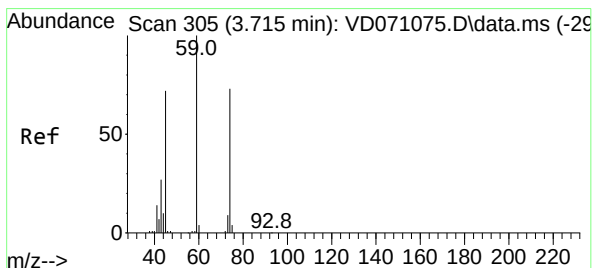
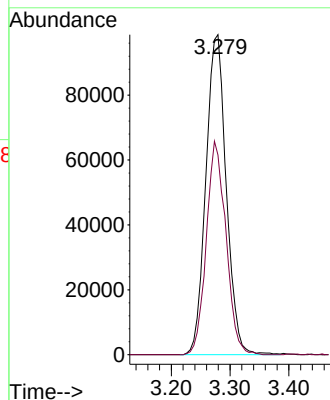
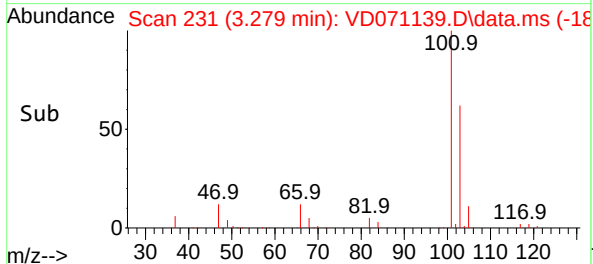


#7  
 Trichlorofluoromethane  
 Concen: 52.892 ug/l  
 RT: 3.279 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Instrument :  
 MSVOA\_D  
 ClientSampleId :

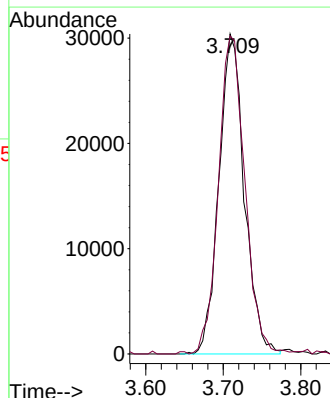
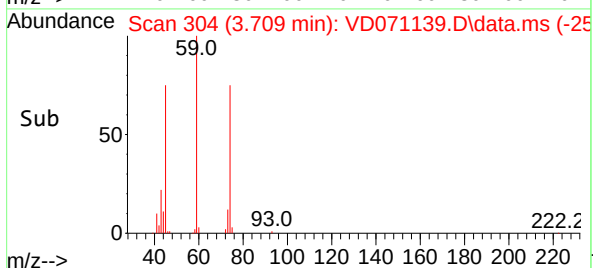
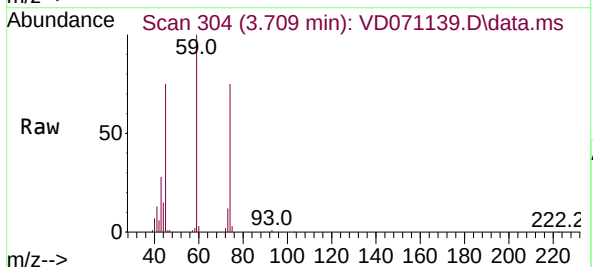


Tgt Ion:101 Resp: 237252  
 Ion Ratio Lower Upper  
 101 100  
 103 62.4 49.7 74.5

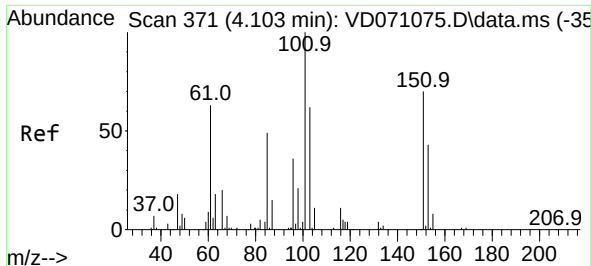


#8  
 Diethyl Ether  
 Concen: 56.925 ug/l  
 RT: 3.709 min Scan# 304  
 Delta R.T. -0.006 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion: 74 Resp: 69223  
 Ion Ratio Lower Upper  
 74 100  
 45 103.6 49.6 149.0



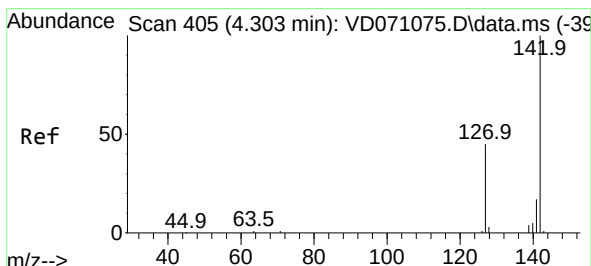
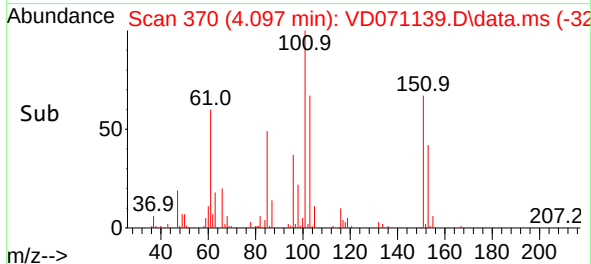
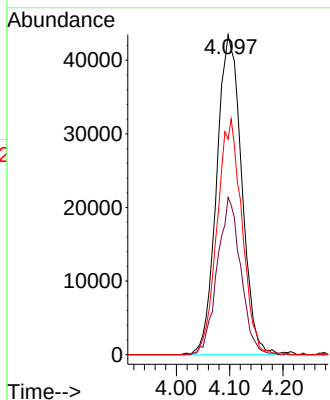
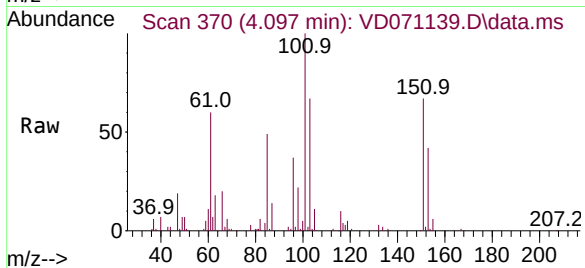




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 53.534 ug/l  
 RT: 4.097 min Scan# 371  
 Delta R.T. -0.006 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

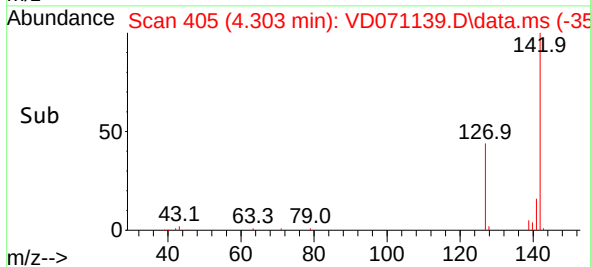
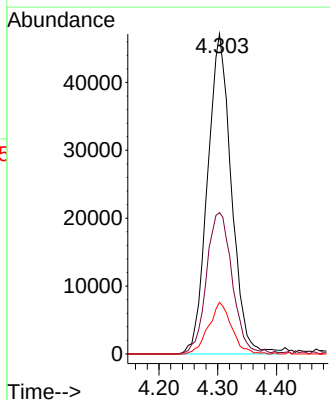
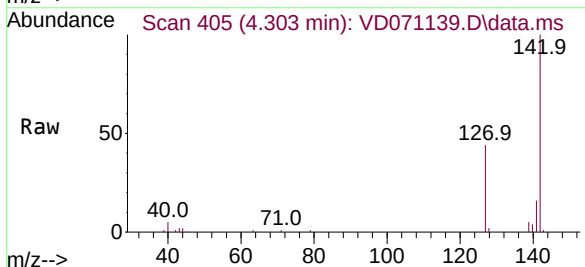
Instrument :  
 MSVOA\_D  
 ClientSampleId :

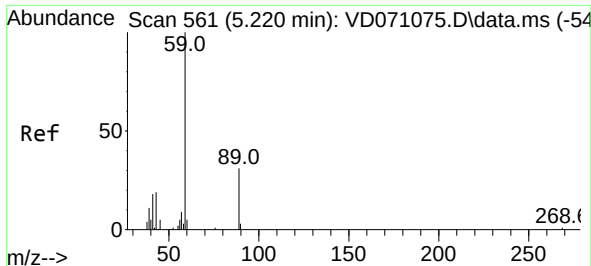
Tgt Ion:101 Resp: 141674  
 Ion Ratio Lower Upper  
 101 100  
 85 46.2 34.8 52.2  
 151 72.9 60.4 90.6



#10  
 Methyl Iodide  
 Concen: 43.791 ug/l  
 RT: 4.303 min Scan# 405  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

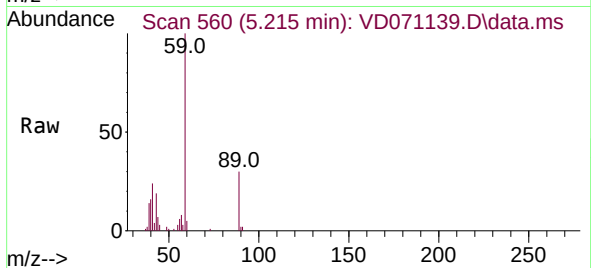
Tgt Ion:142 Resp: 132805  
 Ion Ratio Lower Upper  
 142 100  
 127 47.8 35.0 52.4  
 141 15.6 12.0 18.0



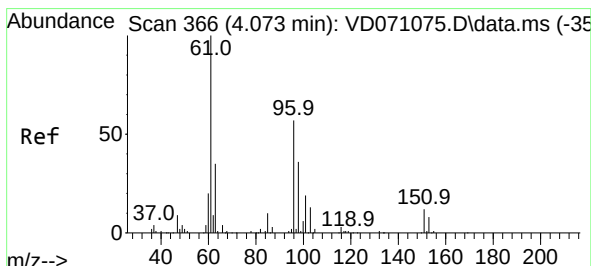
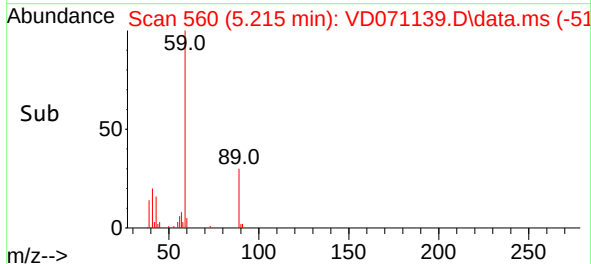
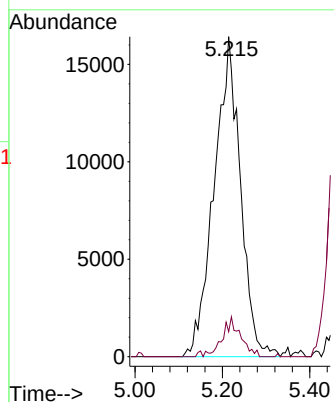


#11  
Tert butyl alcohol  
Concen: 363.652 ug/l  
RT: 5.215 min Scan# 50  
Delta R.T. -0.005 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

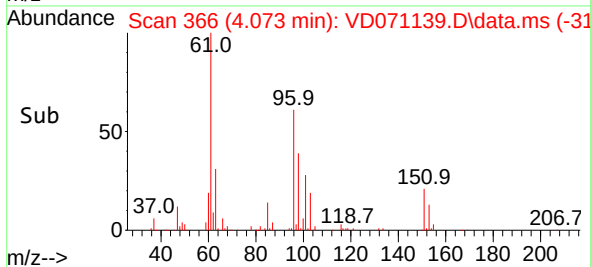
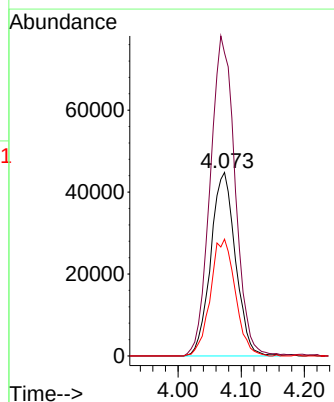
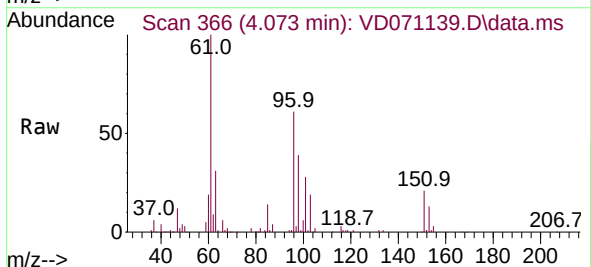


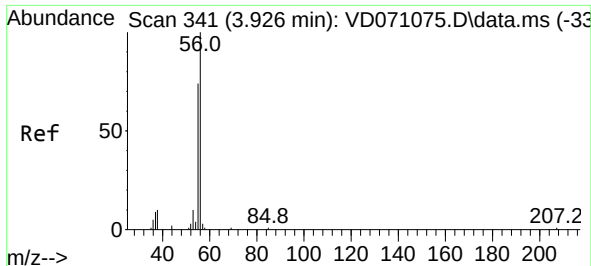
Tgt Ion: 59 Resp: 68363  
Ion Ratio Lower Upper  
59 100  
57 8.5 9.0 13.4#



#12  
1,1-Dichloroethene  
Concen: 50.043 ug/l  
RT: 4.073 min Scan# 366  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 96 Resp: 122215  
Ion Ratio Lower Upper  
96 100  
61 165.1 120.3 180.5  
98 63.6 54.4 81.6

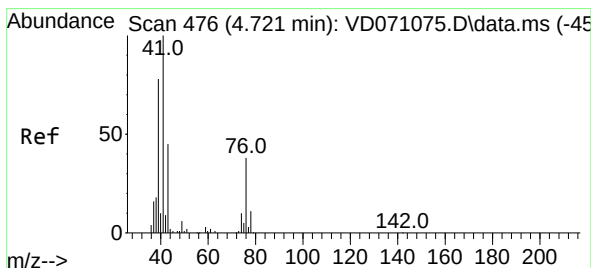
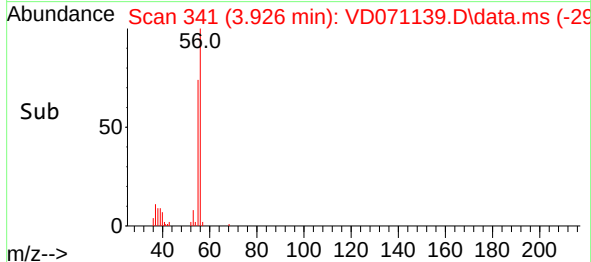
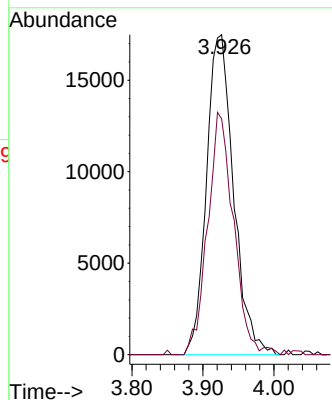
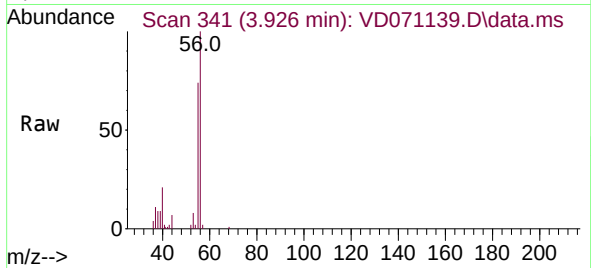




#13  
Acrolein  
Concen: 219.842 ug/l  
RT: 3.926 min Scan# 341  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

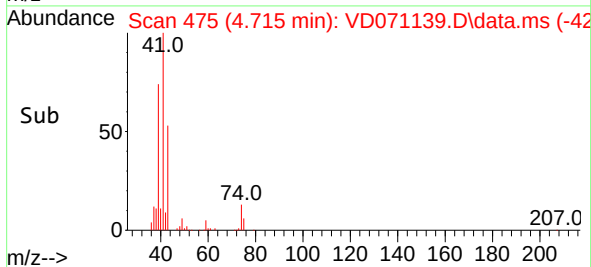
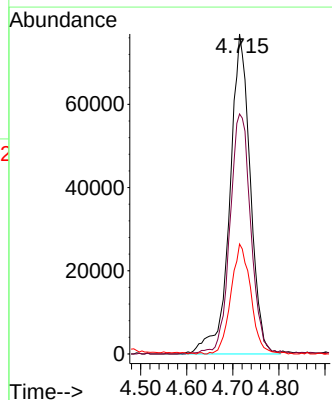
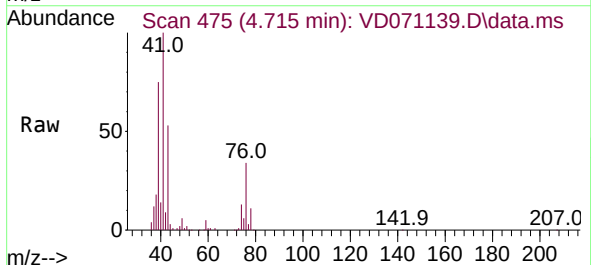
Instrument :  
MSVOA\_D  
ClientSampleId :

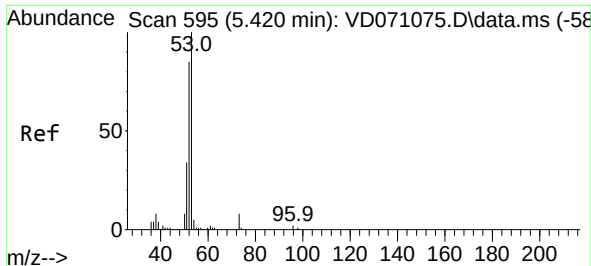
Tgt Ion: 56 Resp: 46375  
Ion Ratio Lower Upper  
56 100  
55 72.0 58.6 87.8



#14  
Allyl chloride  
Concen: 51.234 ug/l  
RT: 4.715 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 41 Resp: 237664  
Ion Ratio Lower Upper  
41 100  
39 76.7 45.6 68.4#  
76 33.3 30.2 45.4

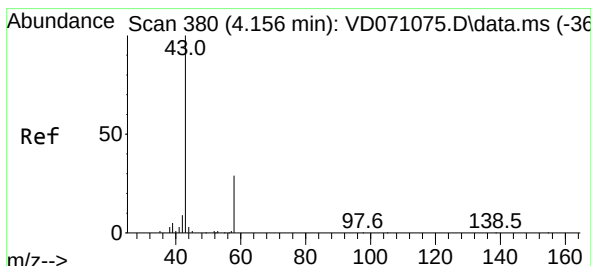
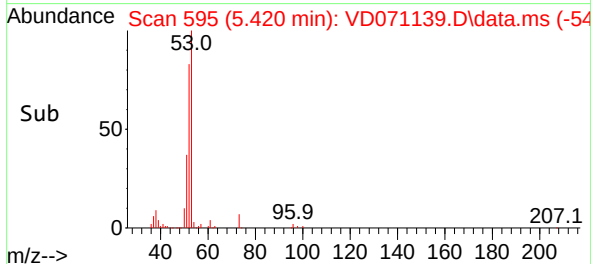
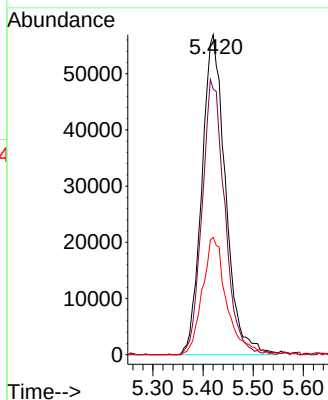
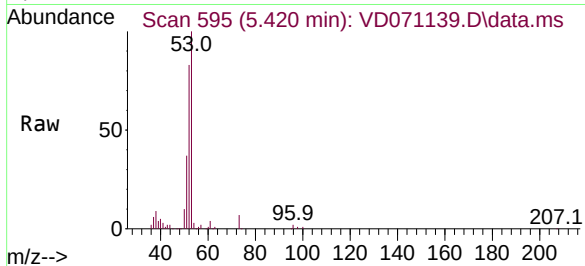




#15  
Acrylonitrile  
Concen: 316.218 ug/l  
RT: 5.420 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

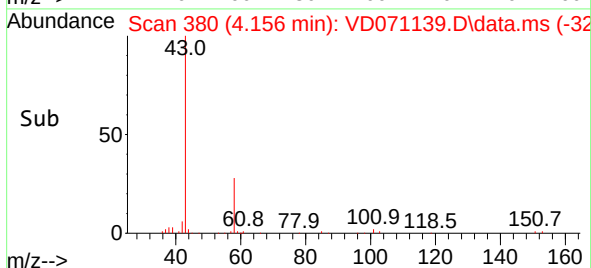
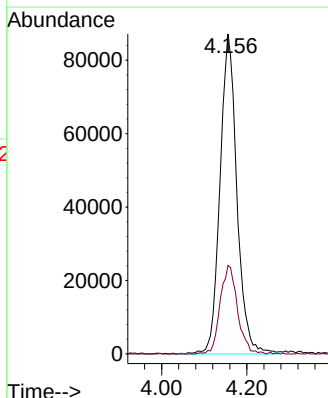
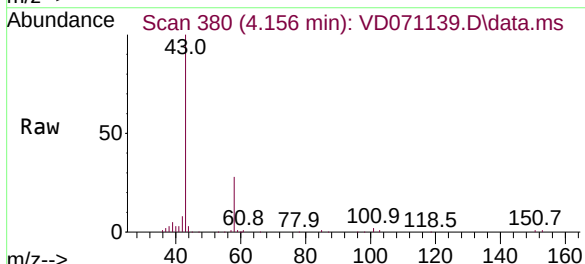
Instrument :  
MSVOA\_D  
ClientSampleId :

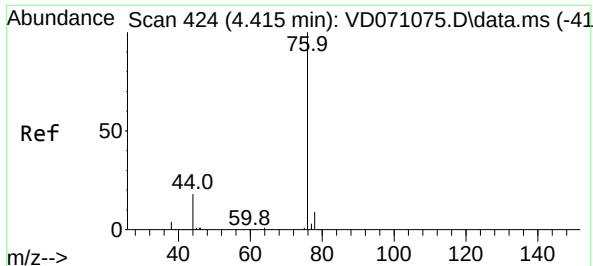
Tgt Ion: 53 Resp: 187011  
Ion Ratio Lower Upper  
53 100  
52 81.8 63.8 95.8  
51 37.4 28.5 42.7



#16  
Acetone  
Concen: 287.668 ug/l  
RT: 4.156 min Scan# 380  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 43 Resp: 240133  
Ion Ratio Lower Upper  
43 100  
58 27.6 27.8 41.8#

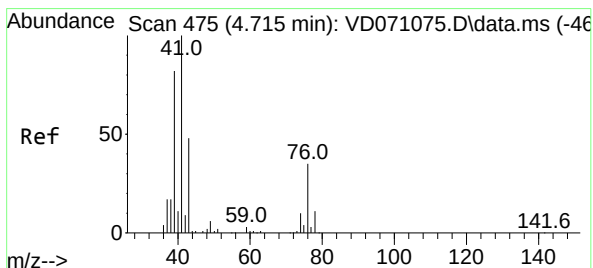
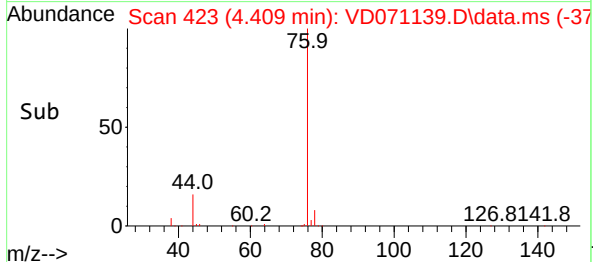
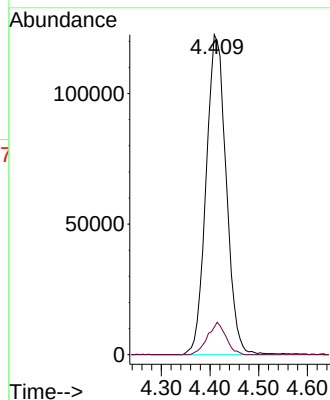
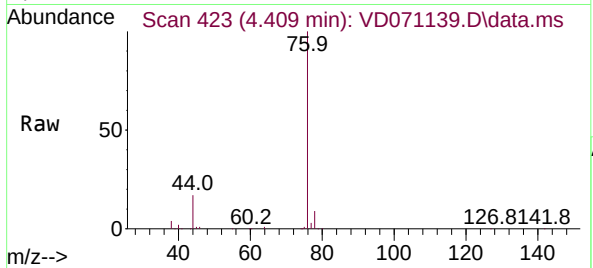




#17  
Carbon Disulfide  
Concen: 49.067 ug/l  
RT: 4.409 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

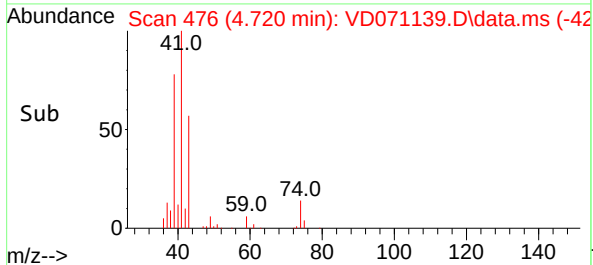
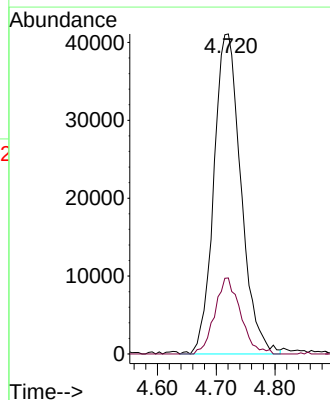
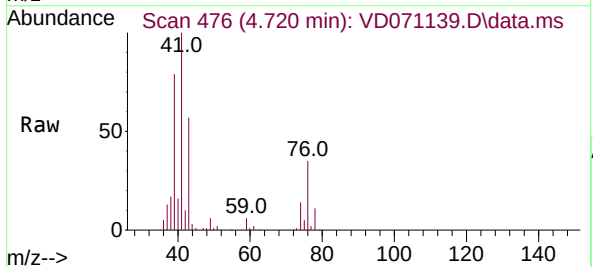
Instrument :  
MSVOA\_D  
ClientSampleId :

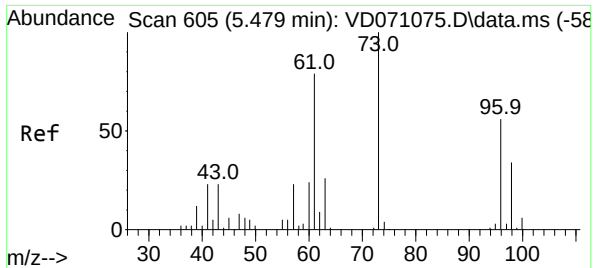
Tgt Ion: 76 Resp: 350849  
Ion Ratio Lower Upper  
76 100  
78 8.6 7.8 11.8



#18  
Methyl Acetate  
Concen: 57.726 ug/l  
RT: 4.720 min Scan# 476  
Delta R.T. 0.005 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 43 Resp: 131474  
Ion Ratio Lower Upper  
43 100  
74 22.6 19.3 28.9

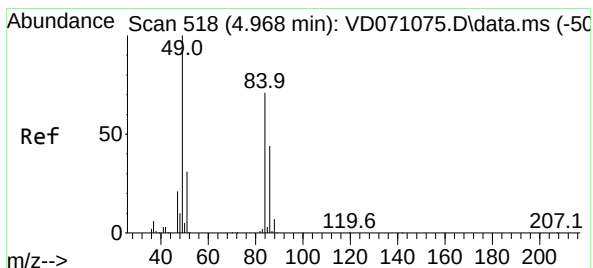
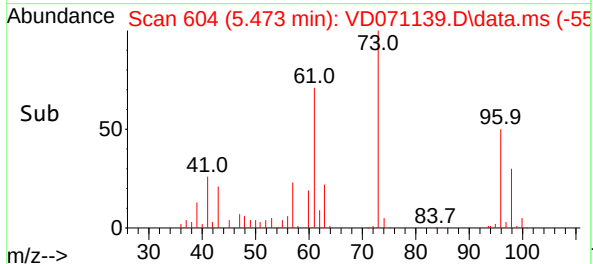
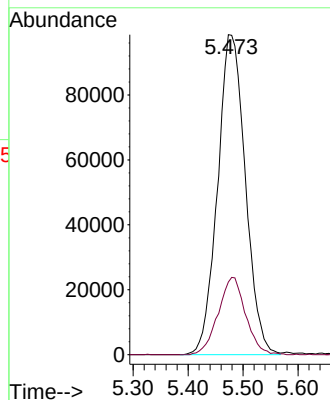
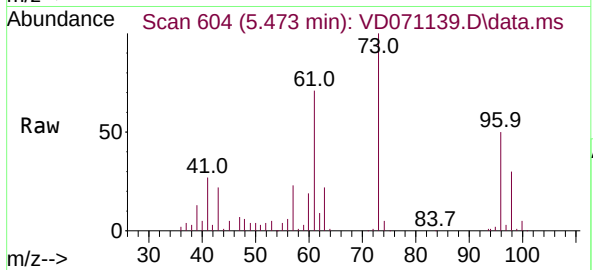




#19  
Methyl tert-butyl Ether  
Concen: 57.839 ug/l  
RT: 5.473 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

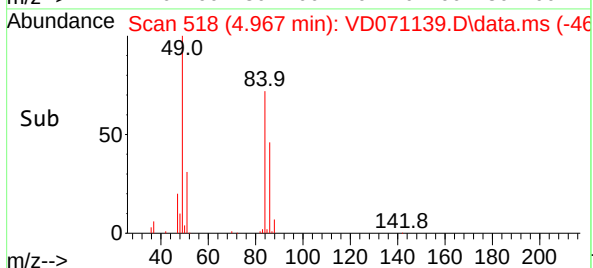
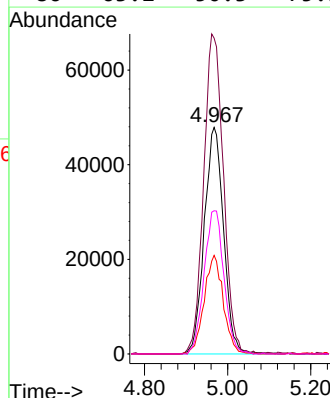
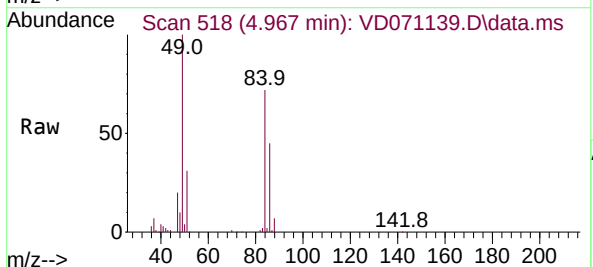
Instrument :  
MSVOA\_D  
ClientSampleId :

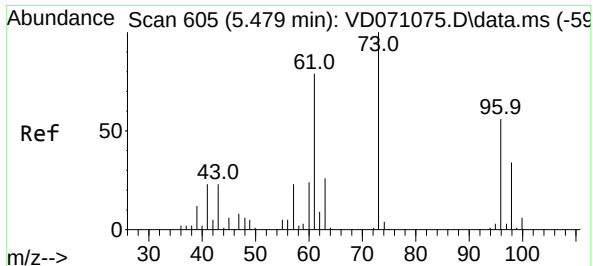
Tgt Ion: 73 Resp: 346179  
Ion Ratio Lower Upper  
73 100  
57 22.7 18.9 28.3



#20  
Methylene Chloride  
Concen: 49.561 ug/l  
RT: 4.967 min Scan# 518  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

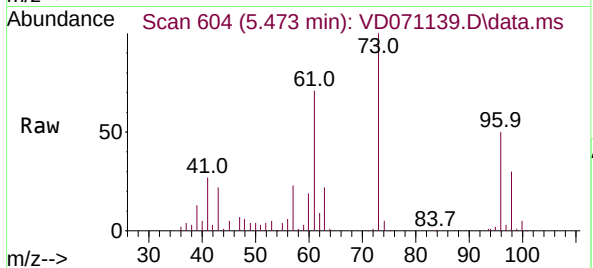
Tgt Ion: 84 Resp: 154494  
Ion Ratio Lower Upper  
84 100  
49 139.4 95.8 143.6  
51 43.5 30.9 46.3  
86 63.2 50.3 75.5





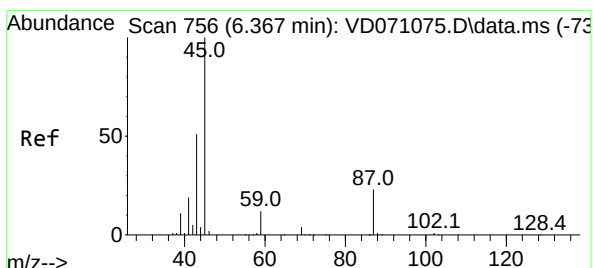
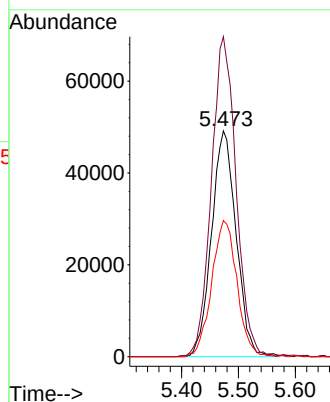
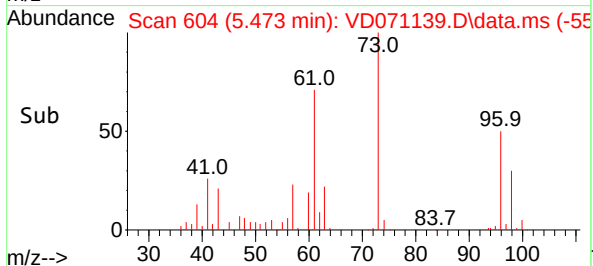
#21  
trans-1,2-Dichloroethene  
Concen: 53.893 ug/l  
RT: 5.473 min Scan# 605  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :



Tgt Ion: 96 Resp: 148158

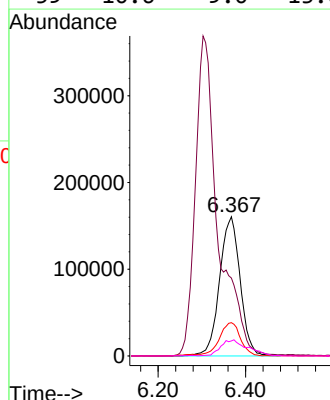
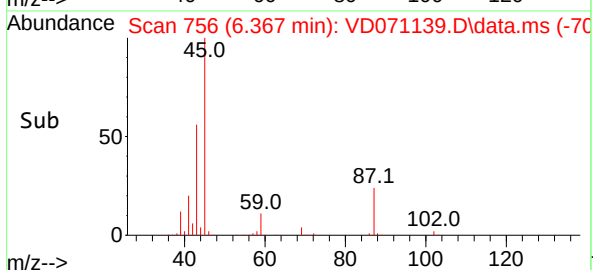
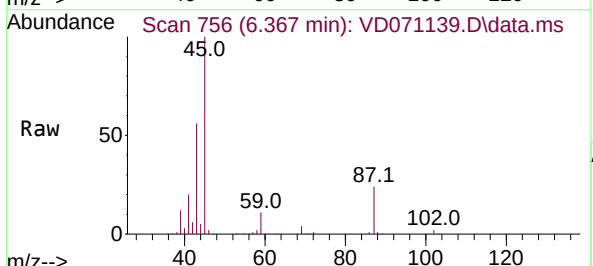
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 141.3 | 102.1 | 153.1 |
| 98  | 60.3  | 50.1  | 75.1  |

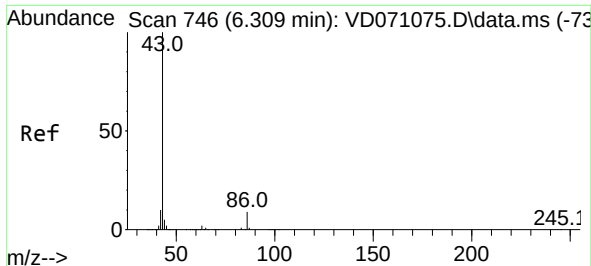


#22  
Diisopropyl ether  
Concen: 56.376 ug/l  
RT: 6.367 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 45 Resp: 523966

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 55.1  | 39.6  | 59.4  |
| 87  | 23.7  | 21.2  | 31.8  |
| 59  | 10.6  | 9.0   | 13.6  |

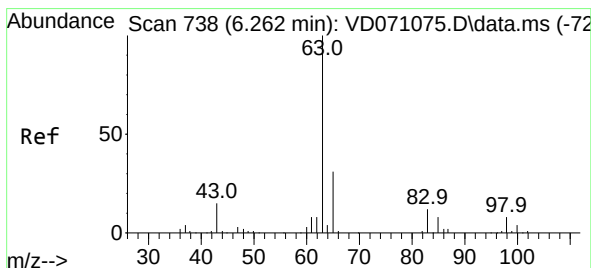
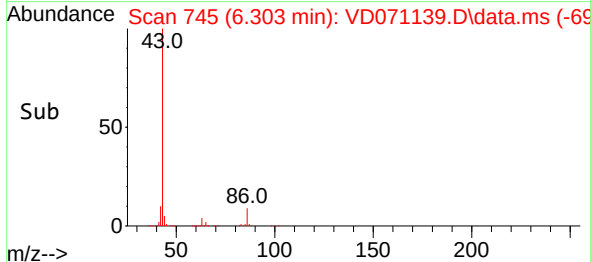
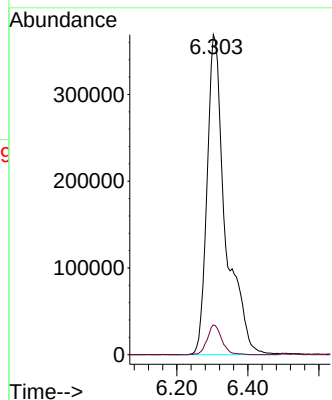
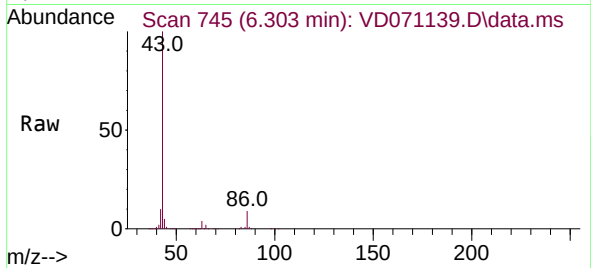




#23  
 Vinyl Acetate  
 Concen: 263.038 ug/l  
 RT: 6.303 min Scan# 746  
 Delta R.T. -0.006 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

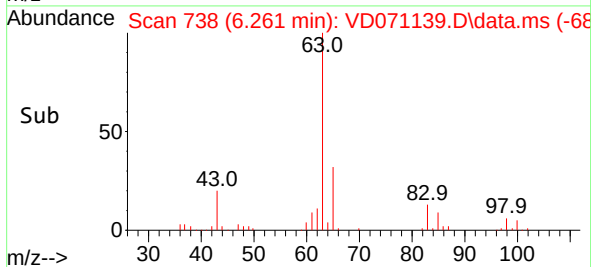
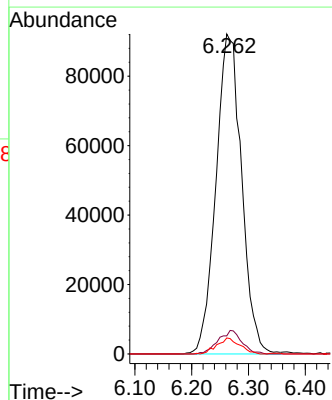
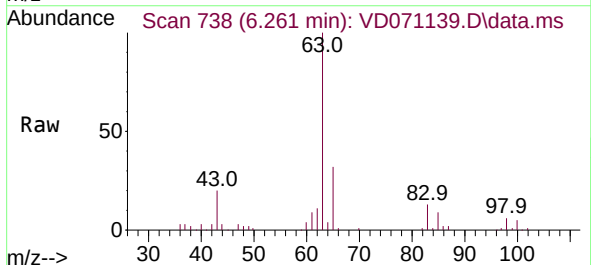
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion: 43 Resp: 1330035  
 Ion Ratio Lower Upper  
 43 100  
 86 9.3 8.2 12.4

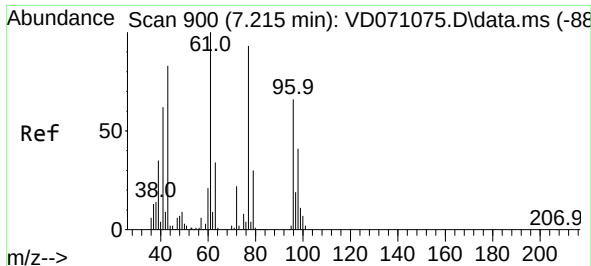


#24  
 1,1-Dichloroethane  
 Concen: 53.923 ug/l  
 RT: 6.261 min Scan# 738  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion: 63 Resp: 288255  
 Ion Ratio Lower Upper  
 63 100  
 98 5.7 3.5 10.6  
 100 5.0 2.1 6.3

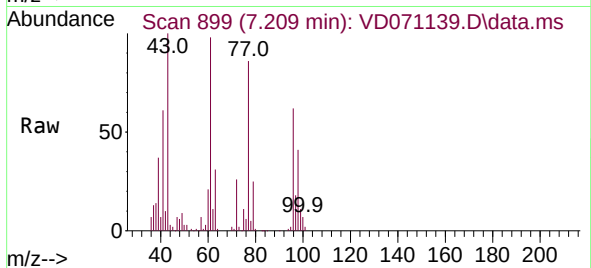




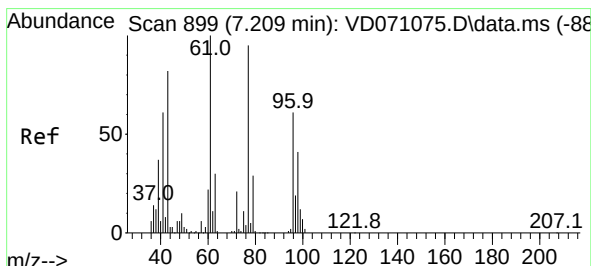
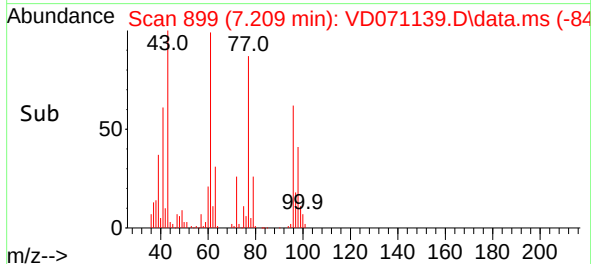
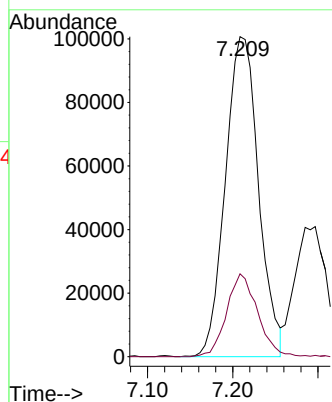


#25  
2-Butanone  
Concen: 283.293 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

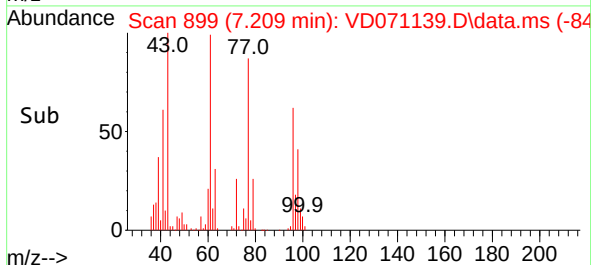
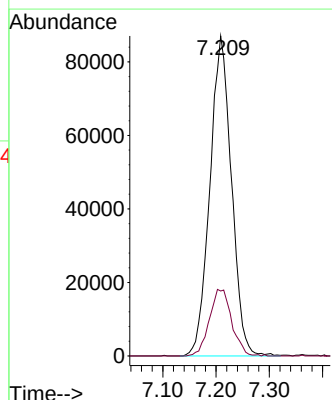
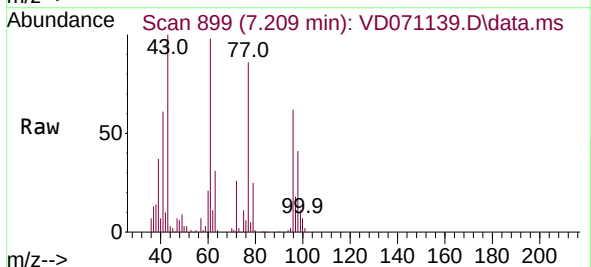


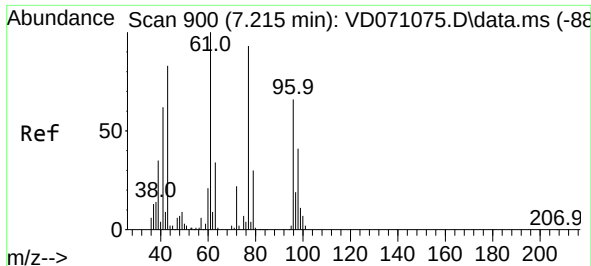
Tgt Ion: 43 Resp: 272225  
Ion Ratio Lower Upper  
43 100  
72 25.9 23.8 35.6



#26  
2,2-Dichloropropane  
Concen: 50.390 ug/l  
RT: 7.209 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 77 Resp: 244949  
Ion Ratio Lower Upper  
77 100  
97 21.6 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 56.089 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.001 min

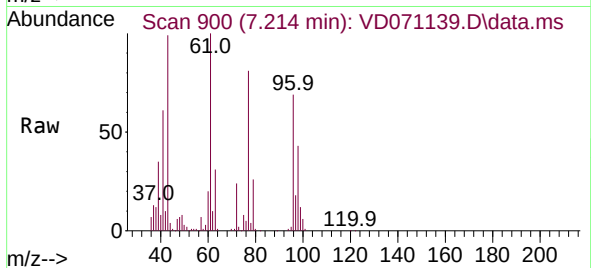
Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :



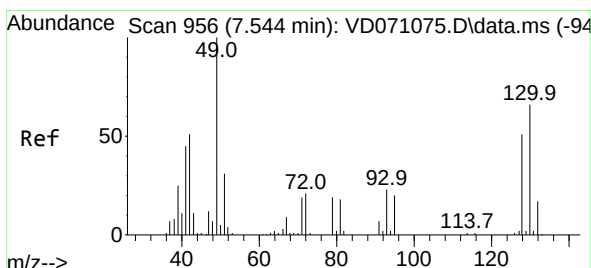
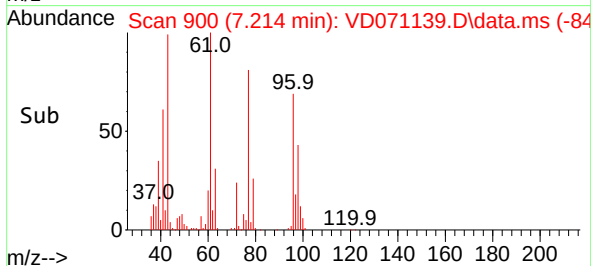
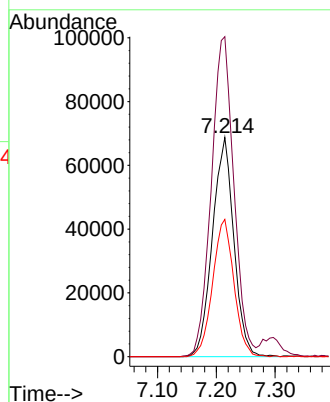
Tgt Ion: 96 Resp: 174445

Ion Ratio Lower Upper

96 100

61 153.4 0.0 288.6

98 62.1 0.0 129.2



#28

Bromochloromethane

Concen: 53.002 ug/l

RT: 7.544 min Scan# 956

Delta R.T. -0.000 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

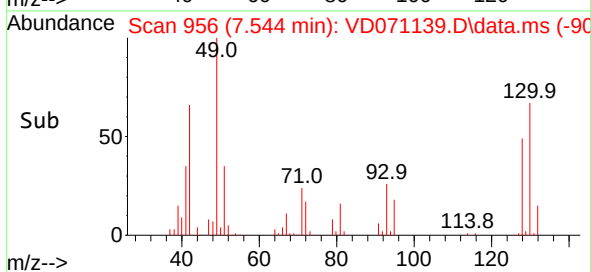
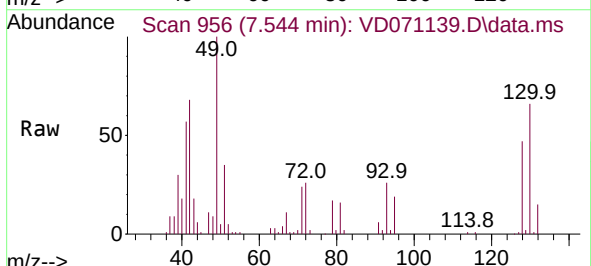
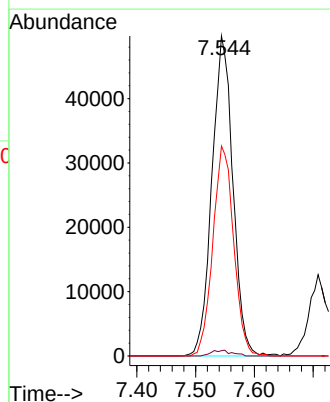
Tgt Ion: 49 Resp: 123064

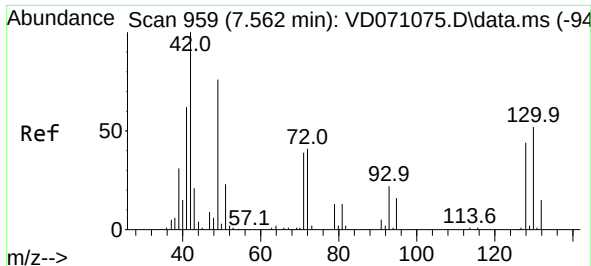
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

130 65.2 60.2 90.2





#29

Tetrahydrofuran

Concen: 322.061 ug/l

RT: 7.561 min Scan# 91

Delta R.T. -0.001 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :

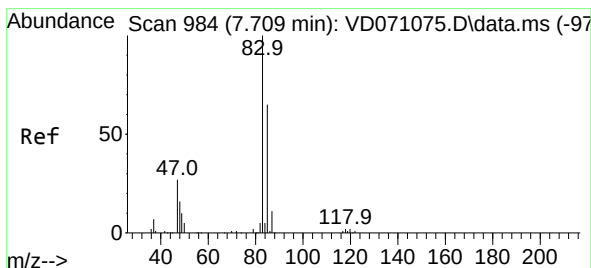
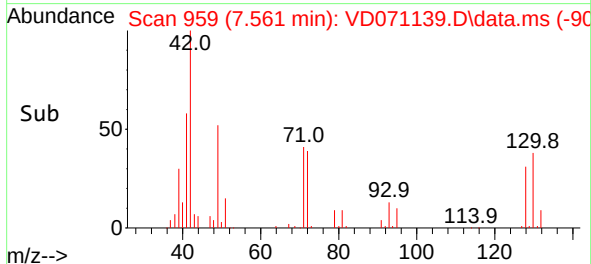
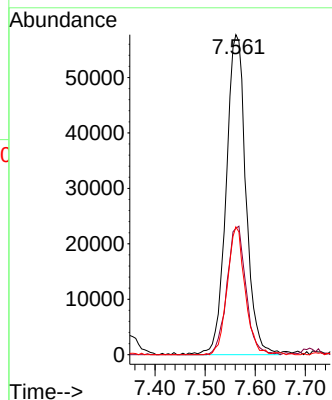
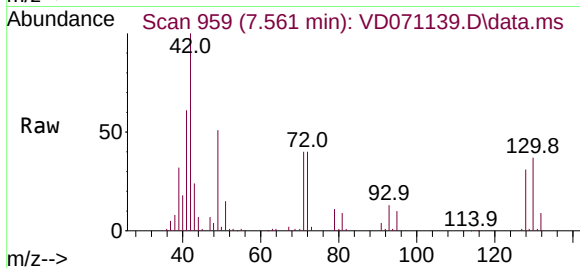
Tgt Ion: 42 Resp: 157863

Ion Ratio Lower Upper

42 100

72 38.7 33.7 50.5

71 36.0 32.7 49.1



#30

Chloroform

Concen: 55.651 ug/l

RT: 7.708 min Scan# 984

Delta R.T. -0.001 min

Lab File: VD071139.D

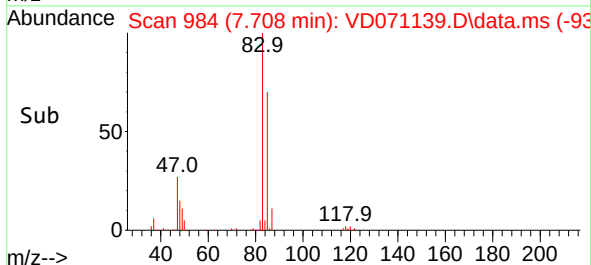
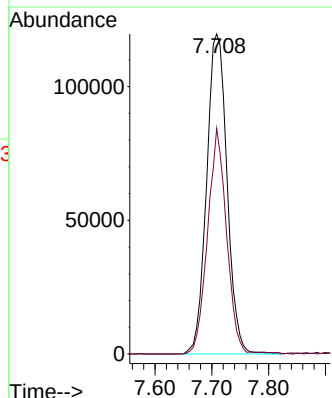
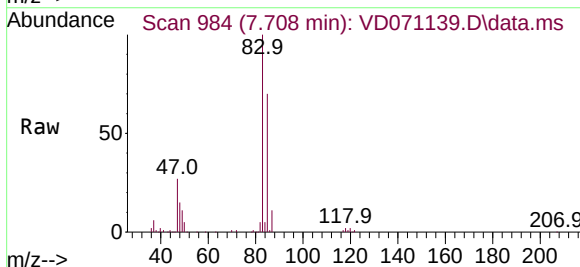
Acq: 03 Dec 2021 17:57

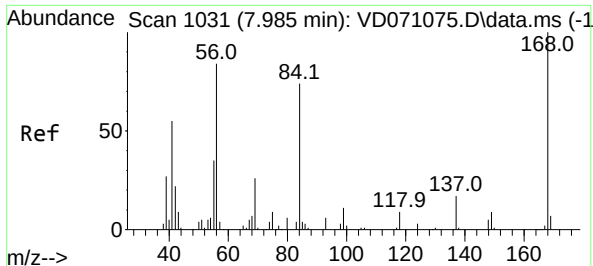
Tgt Ion: 83 Resp: 298564

Ion Ratio Lower Upper

83 100

85 70.5 51.0 76.6





#31

Cyclohexane

Concen: 48.302 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

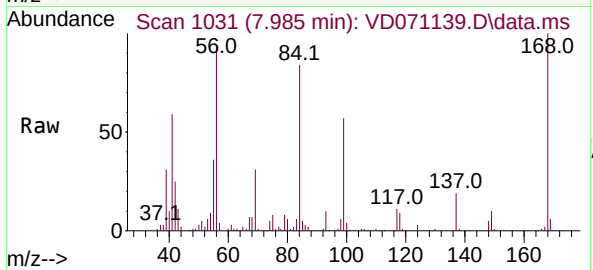
Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :



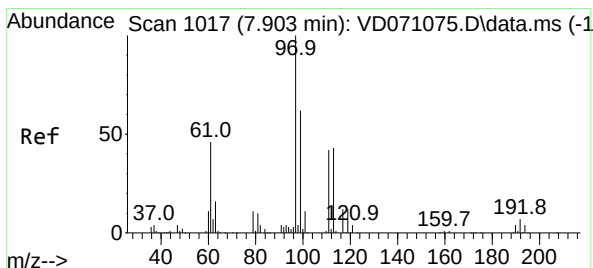
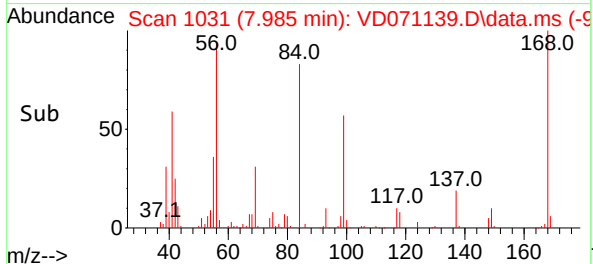
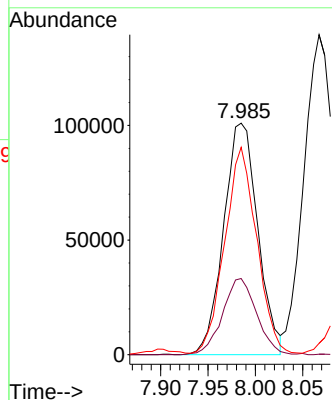
Tgt Ion: 56 Resp: 253619

Ion Ratio Lower Upper

56 100

69 32.9 25.9 38.9

84 88.3 64.3 96.5



#32

1,1,1-Trichloroethane

Concen: 54.276 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

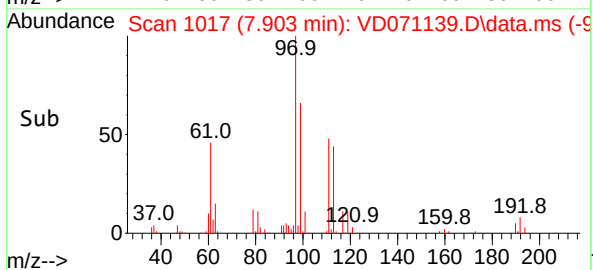
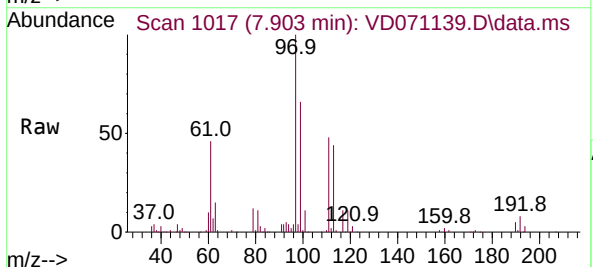
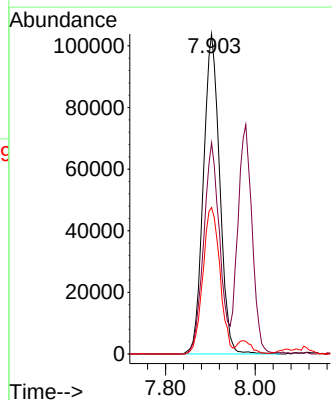
Tgt Ion: 97 Resp: 261434

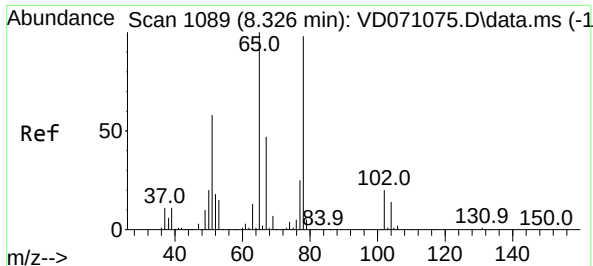
Ion Ratio Lower Upper

97 100

99 65.2 50.3 75.5

61 48.0 33.0 49.4





#33

1,2-Dichloroethane-d4

Concen: 49.329 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

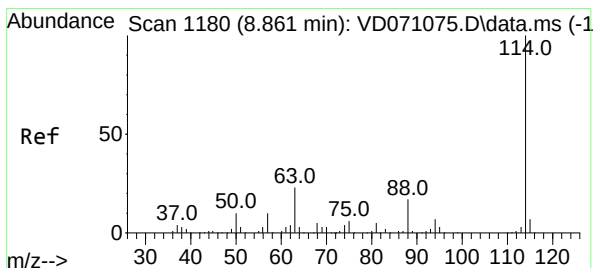
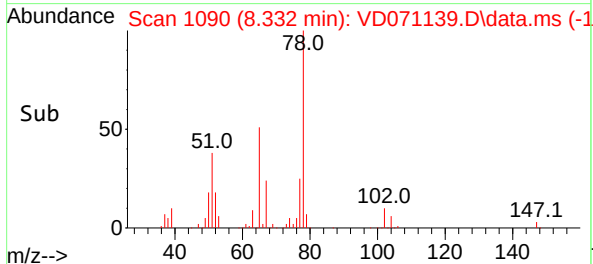
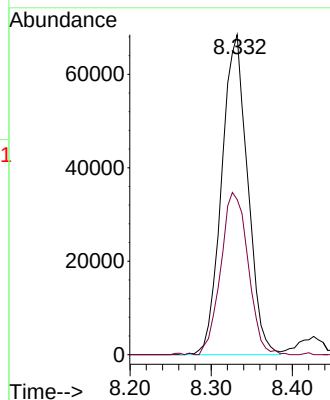
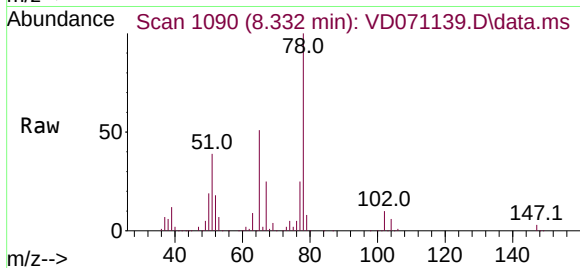
ClientSampleId :

Tgt Ion: 65 Resp: 152271

Ion Ratio Lower Upper

65 100

67 53.3 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: VD071139.D

Acq: 03 Dec 2021 17:57

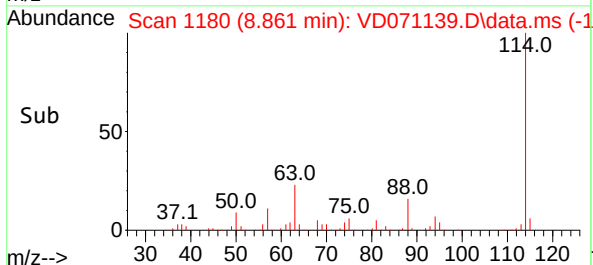
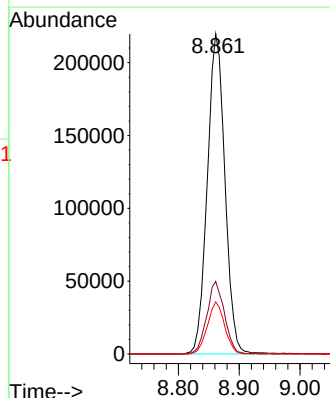
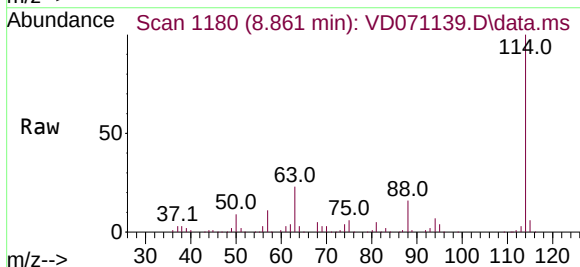
Tgt Ion: 114 Resp: 442253

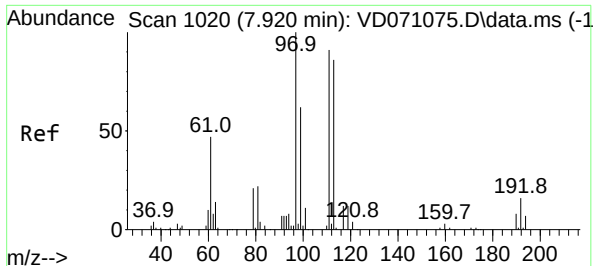
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.477 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :

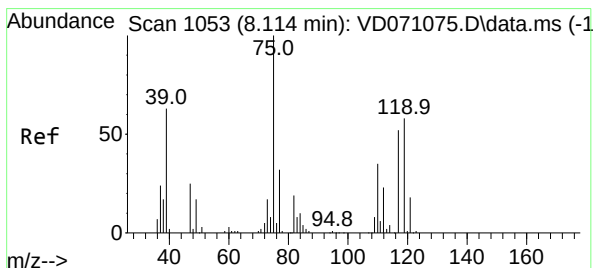
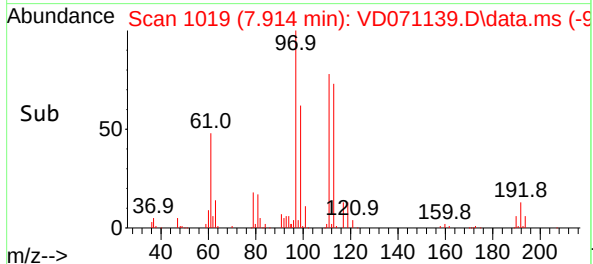
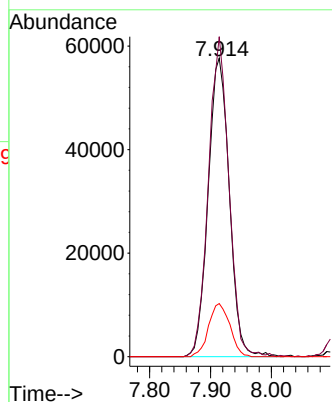
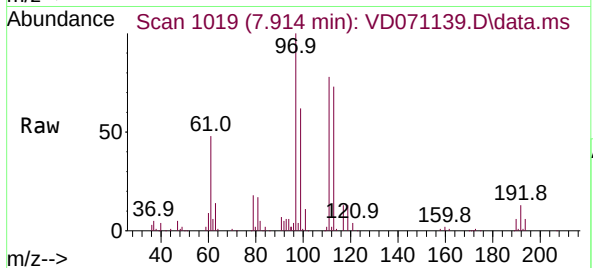
Tgt Ion:113 Resp: 139337

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

192 17.9 15.2 22.8



#36

1,1-Dichloropropene

Concen: 52.561 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. -0.006 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

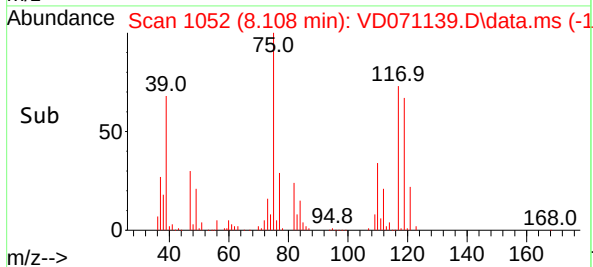
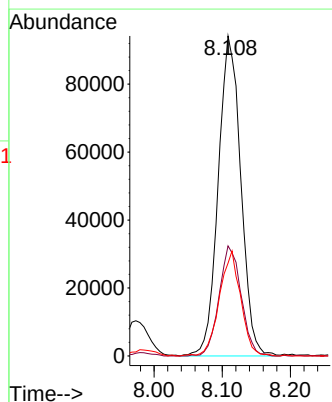
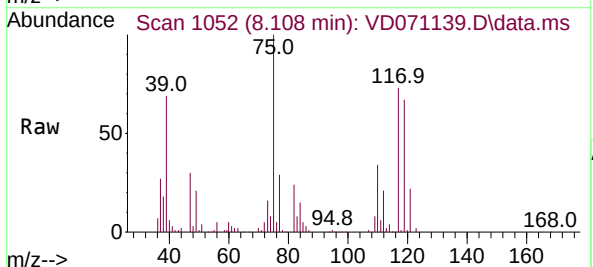
Tgt Ion: 75 Resp: 217258

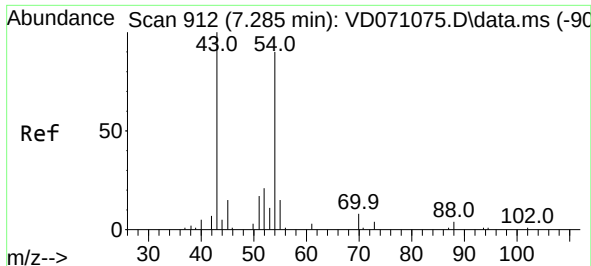
Ion Ratio Lower Upper

75 100

110 33.6 17.8 53.4

77 31.0 24.8 37.2

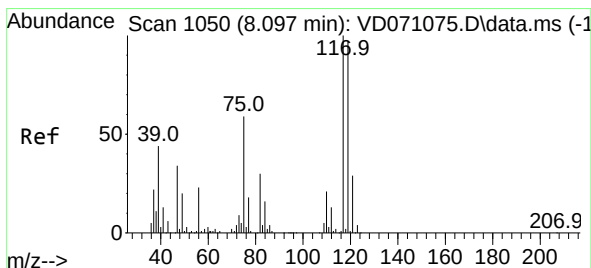
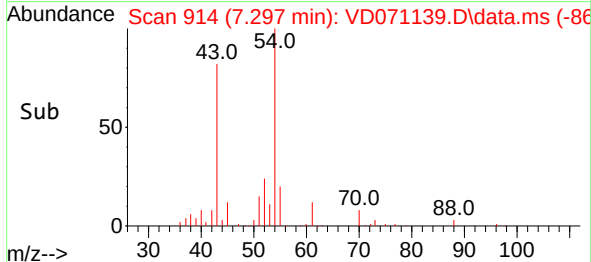
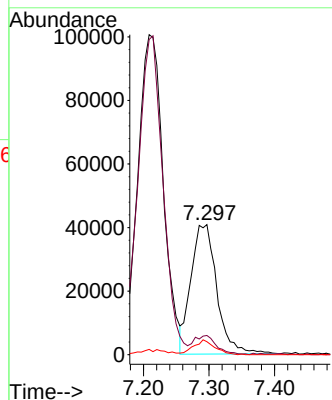
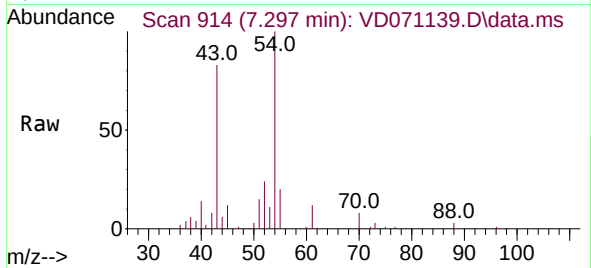




#37  
Ethyl Acetate  
Concen: 62.776 ug/l  
RT: 7.297 min Scan# 912  
Delta R.T. 0.012 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

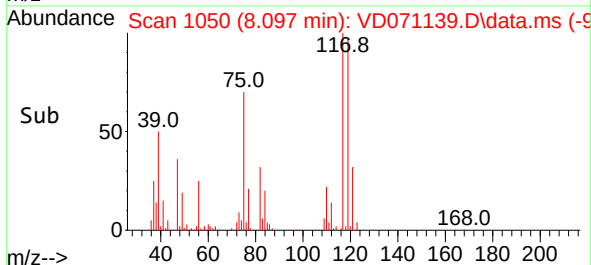
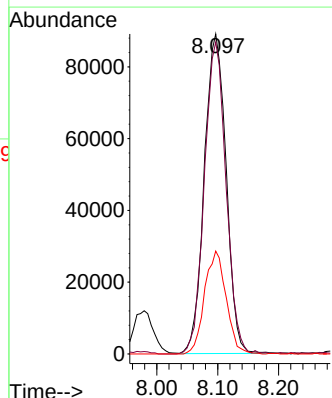
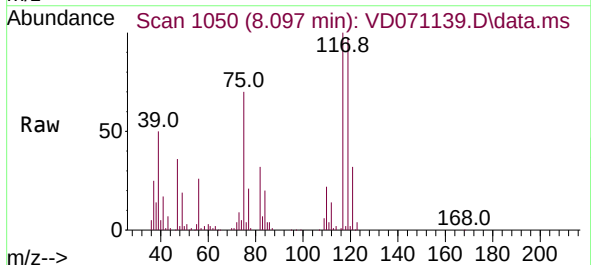
Instrument :  
MSVOA\_D  
ClientSampleId :

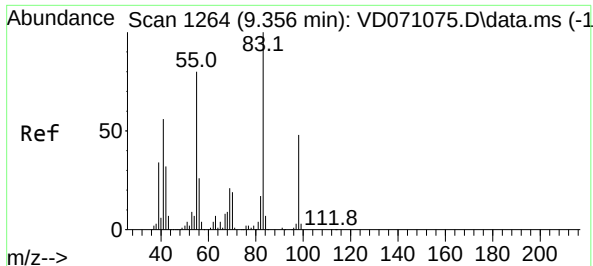
Tgt Ion: 43 Resp: 112086  
Ion Ratio Lower Upper  
43 100  
61 13.0 13.0 19.6#  
70 9.5 8.7 13.1



#38  
Carbon Tetrachloride  
Concen: 54.447 ug/l  
RT: 8.097 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 117 Resp: 221845  
Ion Ratio Lower Upper  
117 100  
119 97.4 75.8 113.6  
121 32.2 23.6 35.4





#39

Methylcyclohexane

Concen: 52.110 ug/l

RT: 9.350 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :

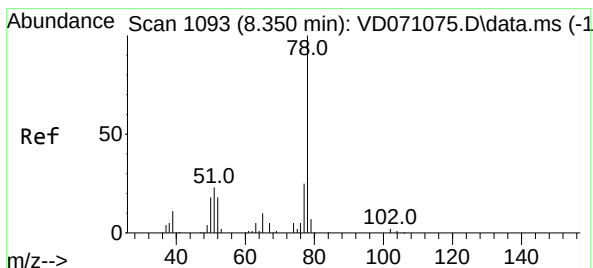
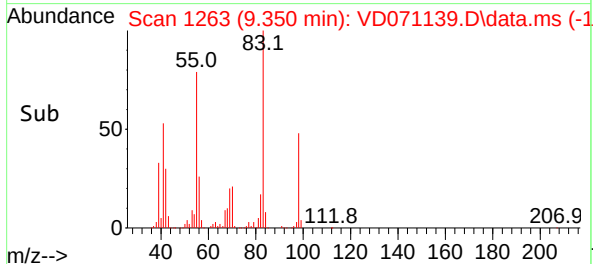
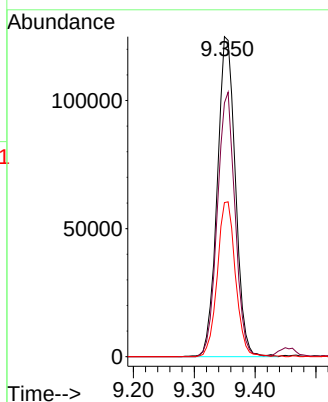
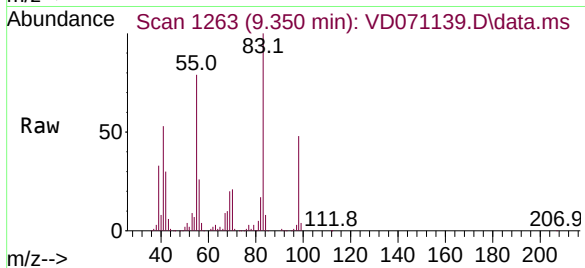
Tgt Ion: 83 Resp: 259072

Ion Ratio Lower Upper

83 100

55 79.3 65.8 98.8

98 48.2 38.7 58.1



#40

Benzene

Concen: 53.773 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. -0.000 min

Lab File: VD071139.D

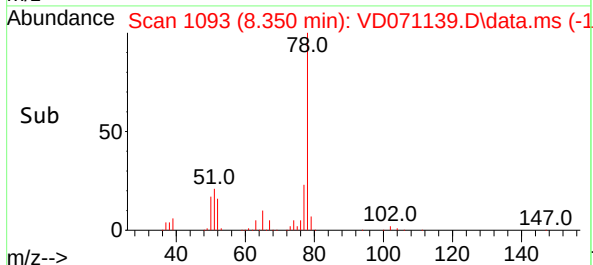
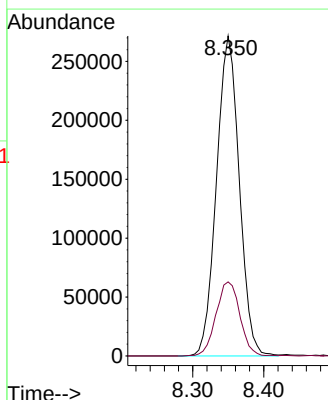
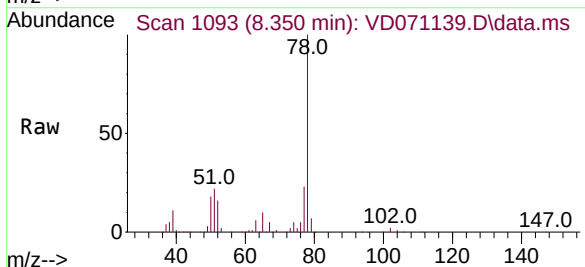
Acq: 03 Dec 2021 17:57

Tgt Ion: 78 Resp: 603745

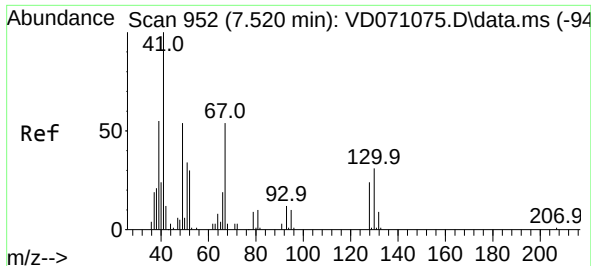
Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

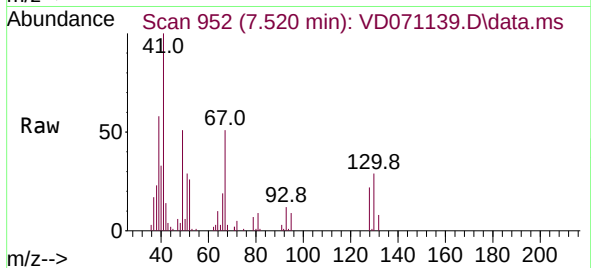




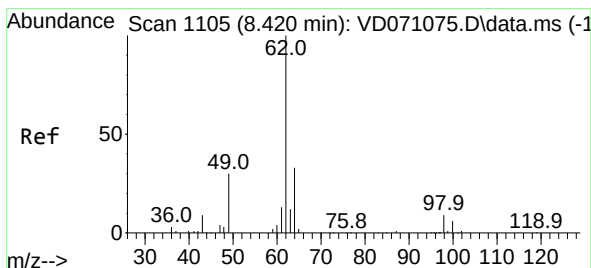
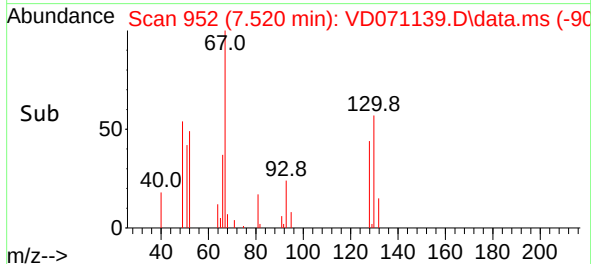
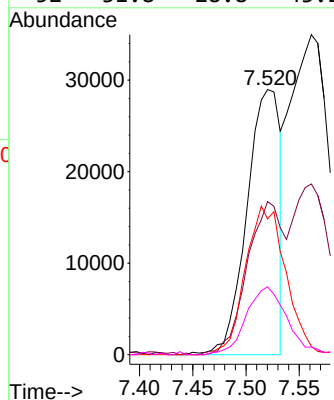


#41  
Methacrylonitrile  
Concen: 67.235 ug/l  
RT: 7.520 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

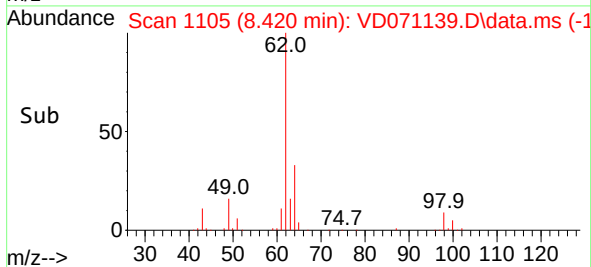
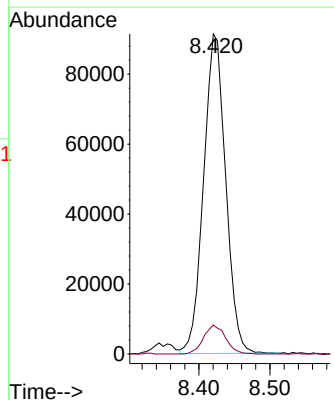
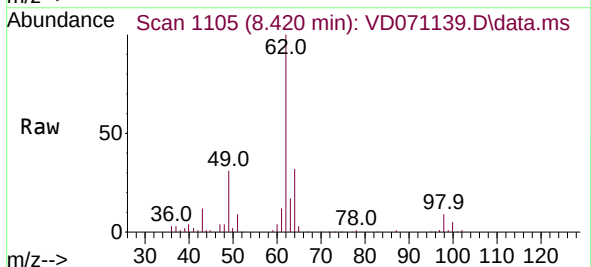


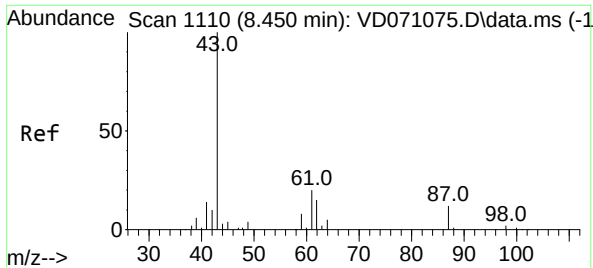
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 62851 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 64.2     | 60.2 90.4   |
| 67 67.9     | 74.8 112.2# |
| 52 31.8     | 28.8 43.2   |



#42  
1,2-Dichloroethane  
Concen: 57.732 ug/l  
RT: 8.420 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 197856 |
| Ion Ratio   | Lower Upper  |
| 62 100      |              |
| 98 9.0      | 0.0 21.8     |

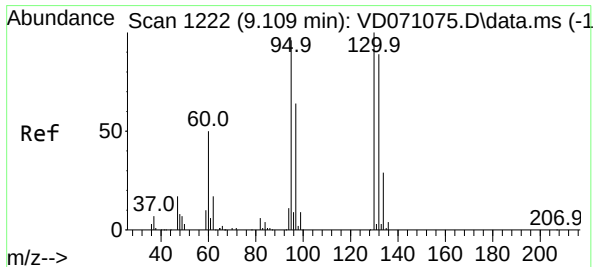
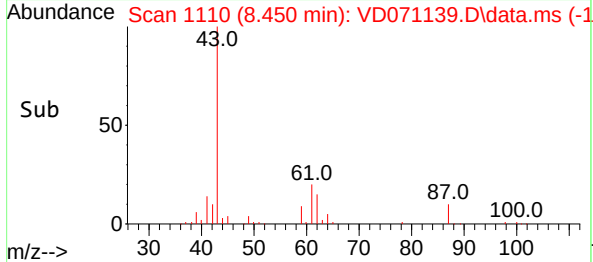
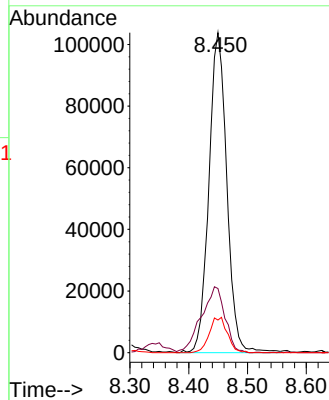
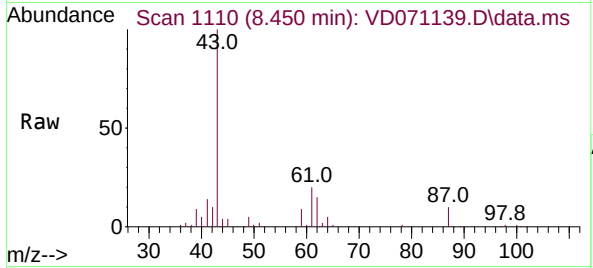




#43  
Isopropyl Acetate  
Concen: 55.312 ug/l  
RT: 8.450 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

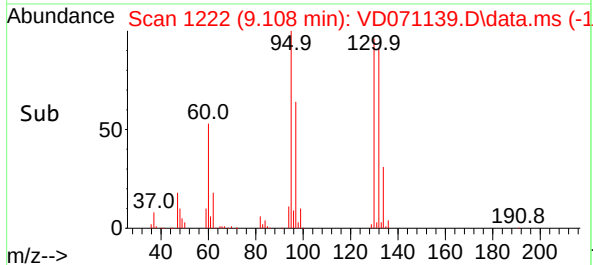
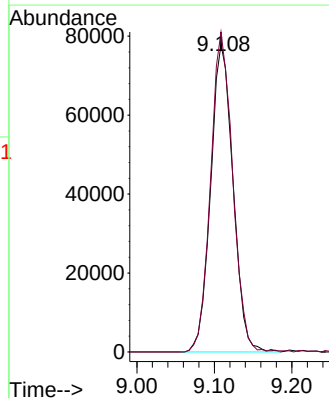
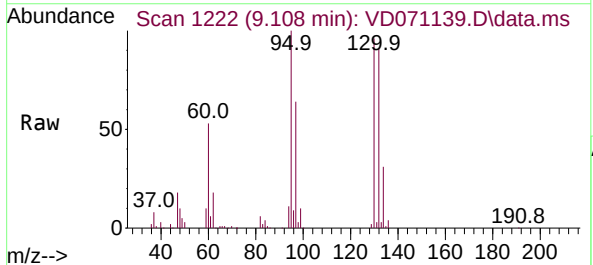
Instrument :  
MSVOA\_D  
ClientSampleId :

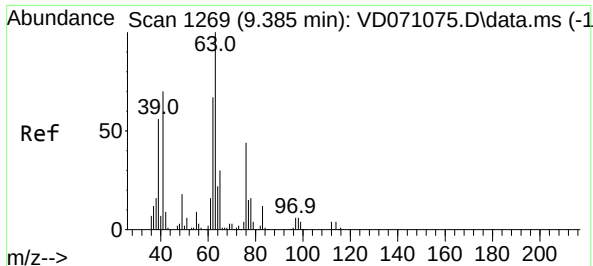
Tgt Ion: 43 Resp: 219741  
Ion Ratio Lower Upper  
43 100  
61 27.2 28.2 42.4#  
87 11.2 10.7 16.1



#44  
Trichloroethene  
Concen: 52.119 ug/l  
RT: 9.108 min Scan# 1222  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:130 Resp: 156023  
Ion Ratio Lower Upper  
130 100  
95 104.1 0.0 193.2





#45

1,2-Dichloropropane

Concen: 54.751 ug/l

RT: 9.385 min Scan# 1269

Delta R.T. -0.000 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

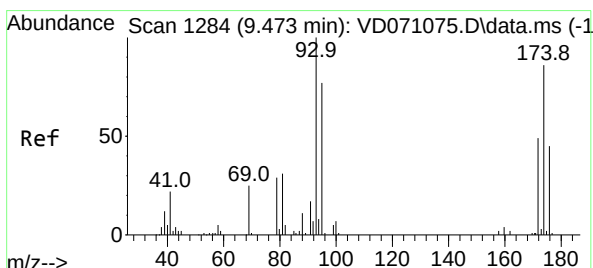
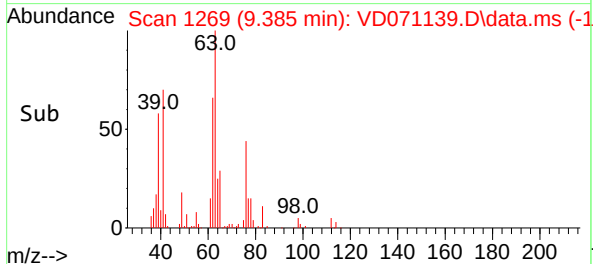
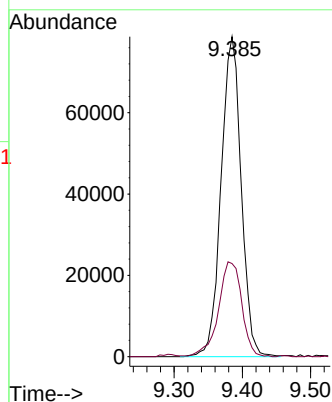
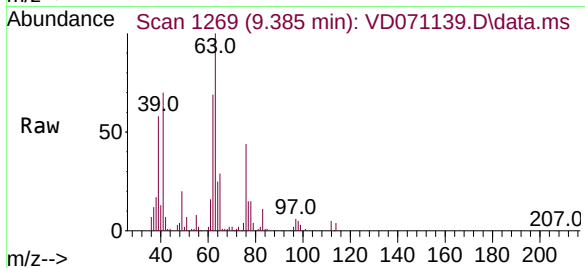
ClientSampleId :

Tgt Ion: 63 Resp: 161660

Ion Ratio Lower Upper

63 100

65 28.9 24.2 36.2



#46

Dibromomethane

Concen: 58.826 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.000 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

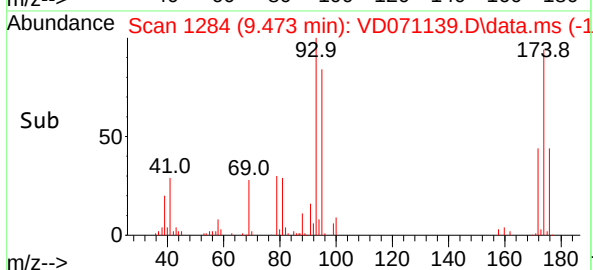
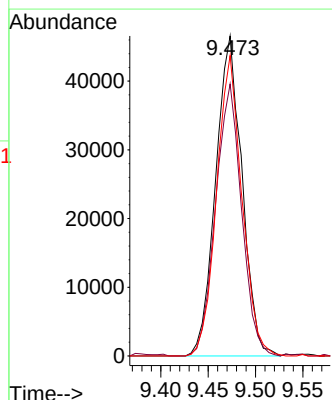
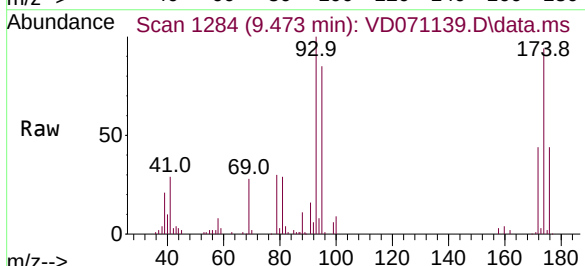
Tgt Ion: 93 Resp: 90114

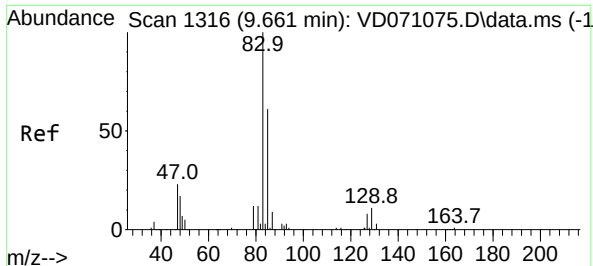
Ion Ratio Lower Upper

93 100

95 83.8 66.1 99.1

174 90.5 78.6 117.8

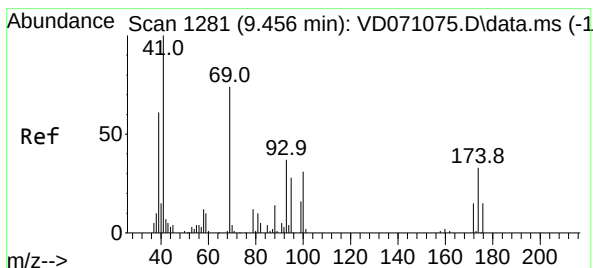
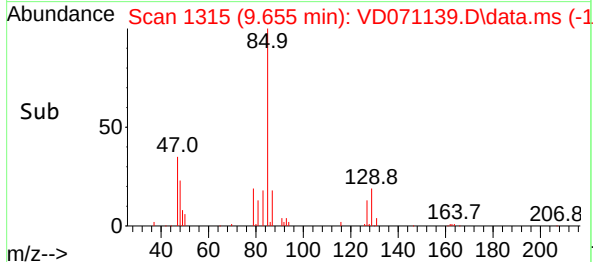
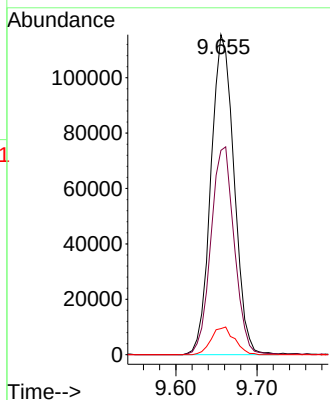
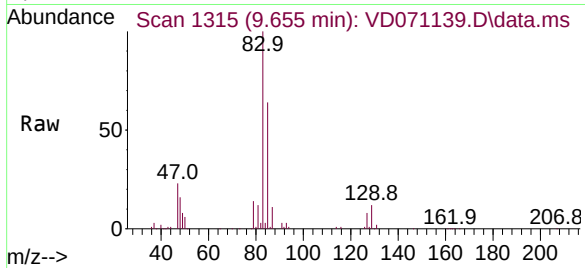




#47  
Bromodichloromethane  
Concen: 56.539 ug/l  
RT: 9.655 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

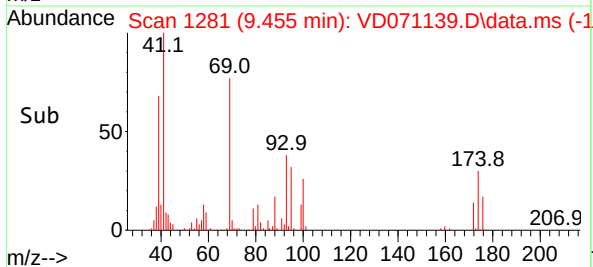
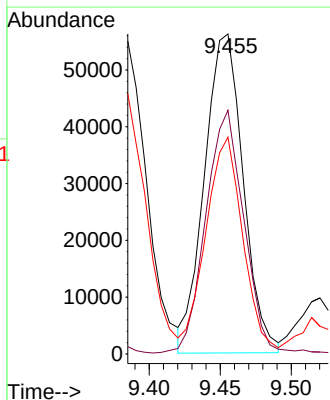
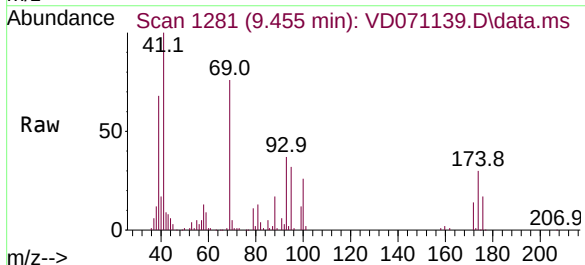
Instrument :  
MSVOA\_D  
ClientSampleId :

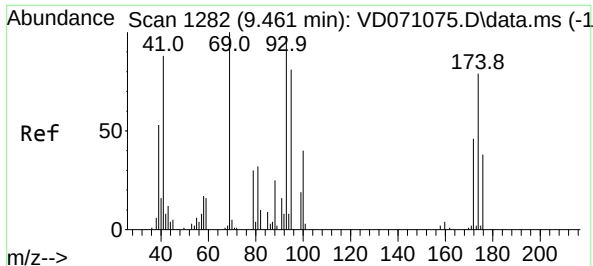
Tgt Ion: 83 Resp: 229053  
Ion Ratio Lower Upper  
83 100  
85 63.9 50.0 75.0  
127 8.1 7.3 10.9



#48  
Methyl methacrylate  
Concen: 61.018 ug/l  
RT: 9.455 min Scan# 1281  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 41 Resp: 106642  
Ion Ratio Lower Upper  
41 100  
69 74.8 69.8 104.6  
39 61.1 35.6 53.4#





#49

1,4-Dioxane

Concen: 1366.501 ug/l

RT: 9.455 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD071139.D

Acq: 03 Dec 2021 17:57

Instrument :

MSVOA\_D

ClientSampleId :

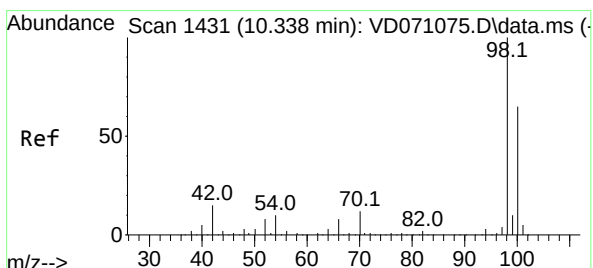
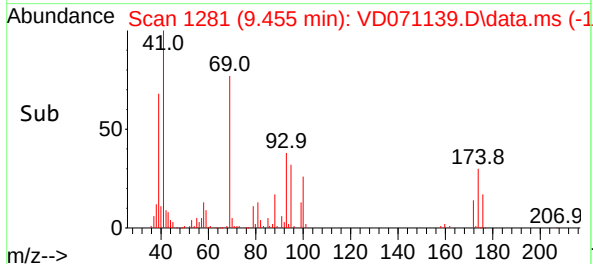
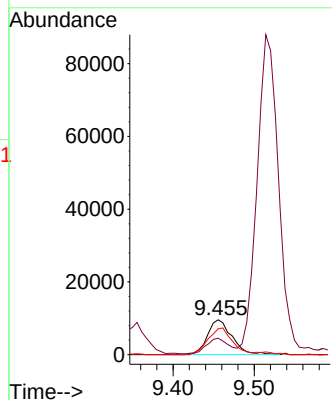
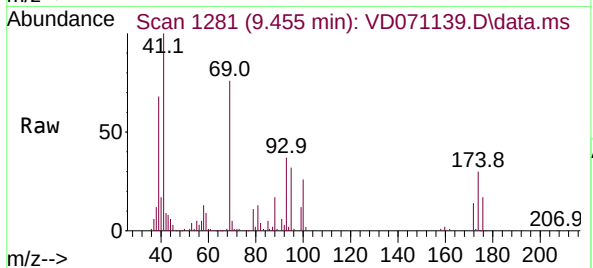
Tgt Ion: 88 Resp: 20207

Ion Ratio Lower Upper

88 100

43 40.8 28.9 43.3

58 75.6 56.3 84.5



#50

Toluene-d8

Concen: 46.460 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071139.D

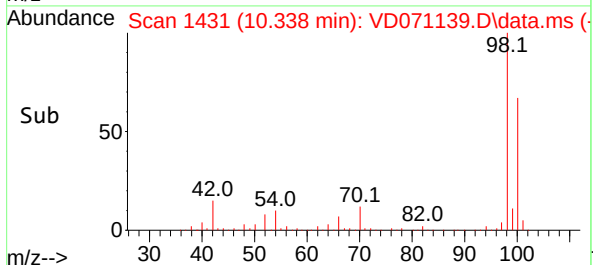
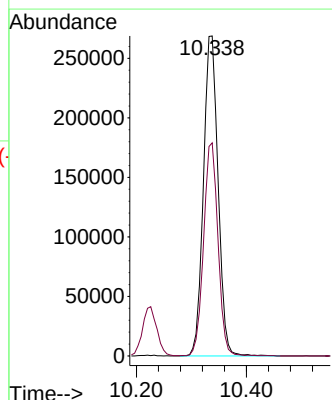
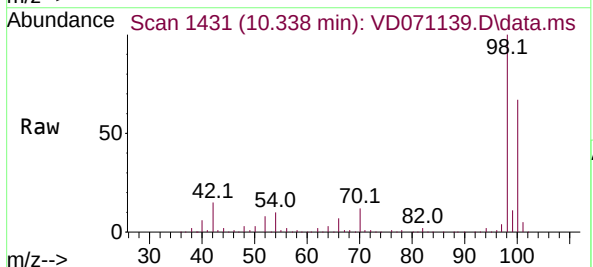
Acq: 03 Dec 2021 17:57

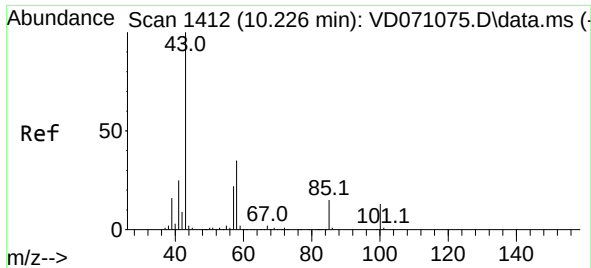
Tgt Ion: 98 Resp: 497923

Ion Ratio Lower Upper

98 100

100 65.5 51.8 77.6

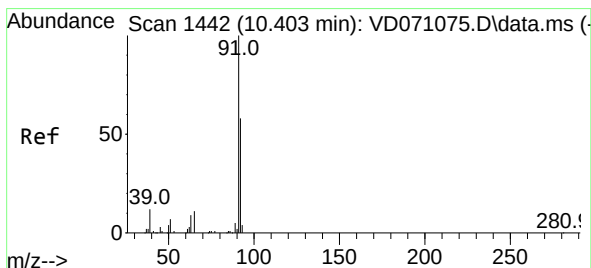
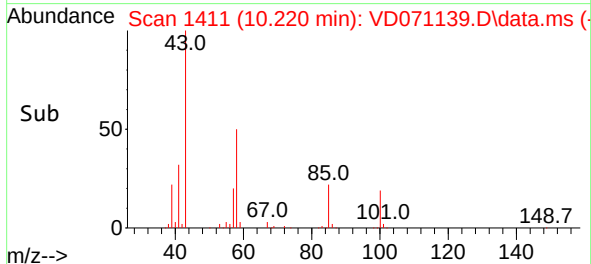
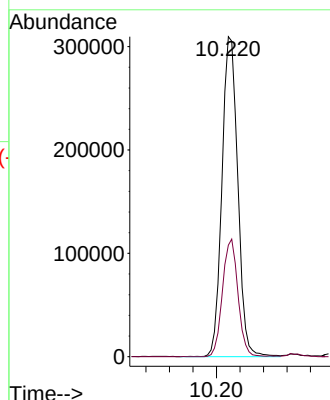
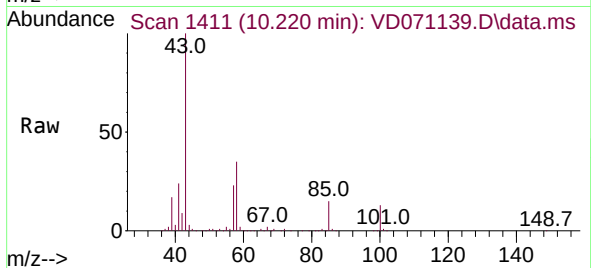




#51  
4-Methyl-2-Pentanone  
Concen: 283.302 ug/l  
RT: 10.220 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

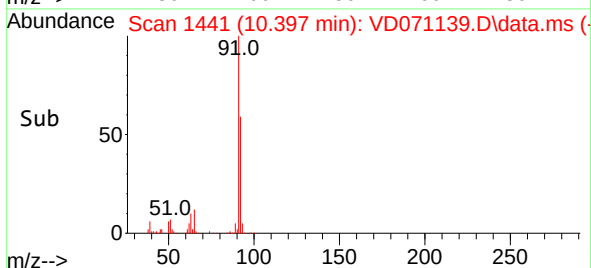
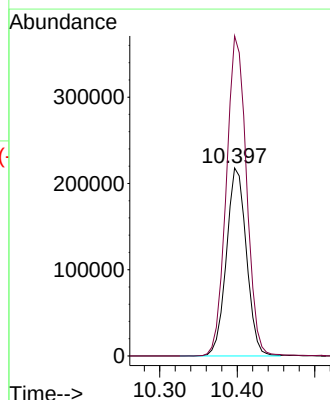
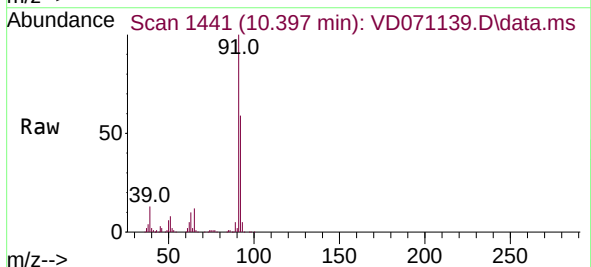
Instrument :  
MSVOA\_D  
ClientSampleId :

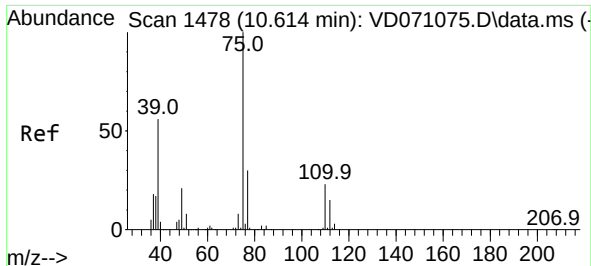
Tgt Ion: 43 Resp: 579764  
Ion Ratio Lower Upper  
43 100  
58 35.8 33.1 49.7



#52  
Toluene  
Concen: 55.017 ug/l  
RT: 10.397 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 92 Resp: 391929  
Ion Ratio Lower Upper  
92 100  
91 172.0 140.7 211.1

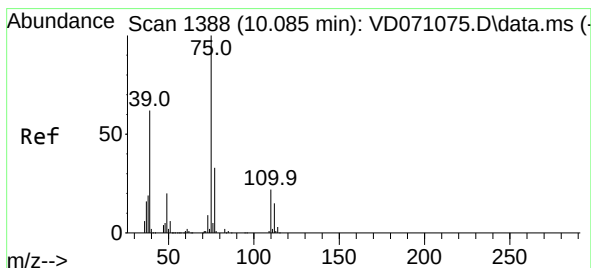
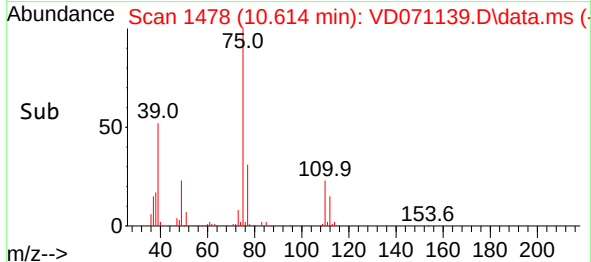
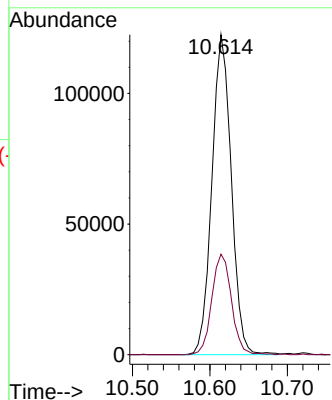
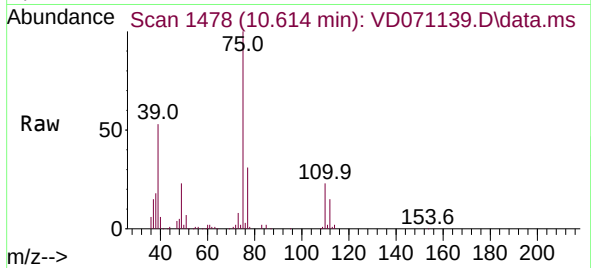




#53  
t-1,3-Dichloropropene  
Concen: 57.179 ug/l  
RT: 10.614 min Scan# 1478  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

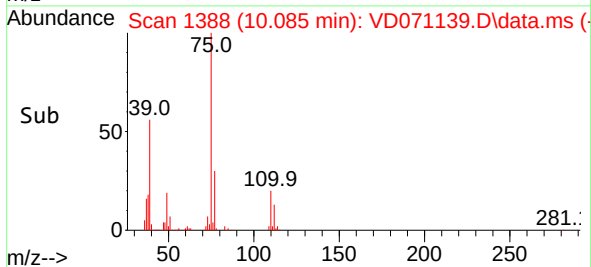
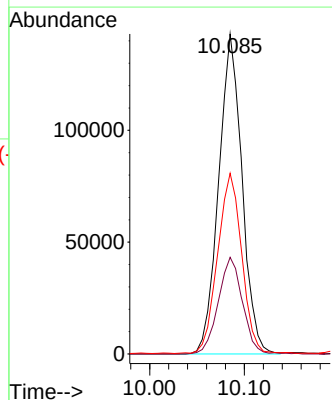
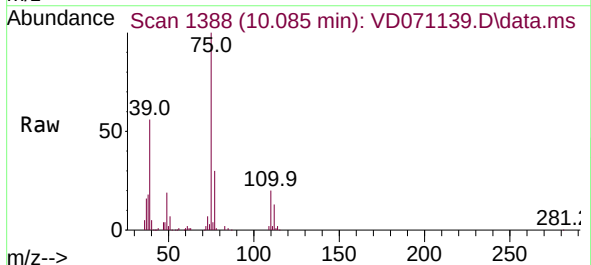
Instrument :  
MSVOA\_D  
ClientSampleId :

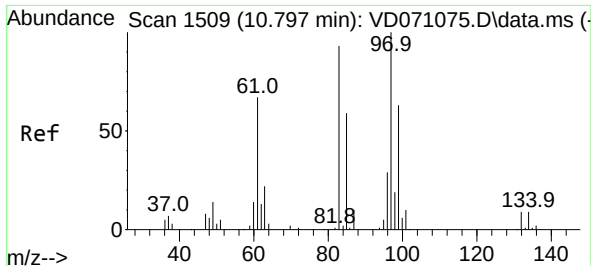
Tgt Ion: 75 Resp: 212979  
Ion Ratio Lower Upper  
75 100  
77 31.4 24.5 36.7



#54  
cis-1,3-Dichloropropene  
Concen: 55.438 ug/l  
RT: 10.085 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 75 Resp: 245282  
Ion Ratio Lower Upper  
75 100  
77 30.2 25.0 37.6  
39 56.2 31.6 47.4#

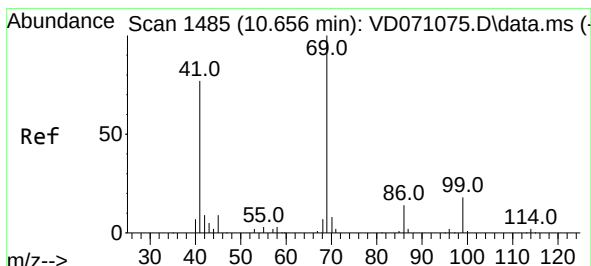
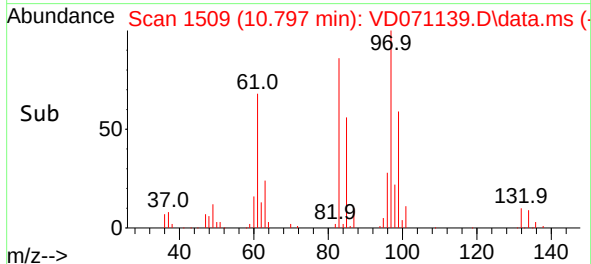
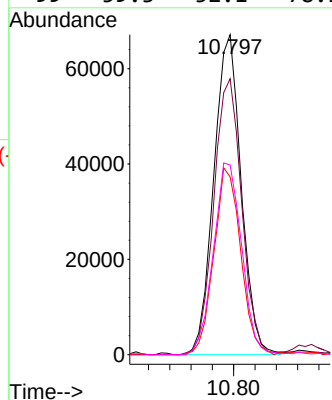
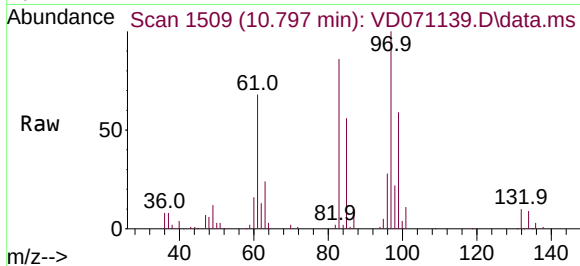




#55  
1,1,2-Trichloroethane  
Concen: 59.558 ug/l  
RT: 10.797 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

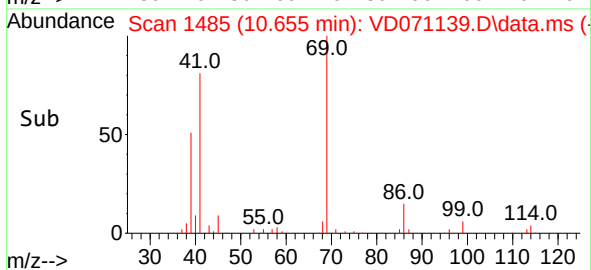
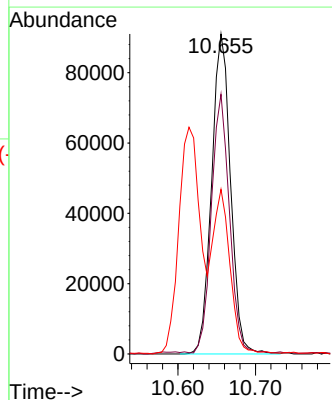
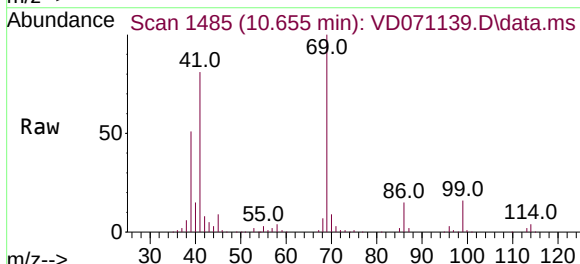
Instrument :  
MSVOA\_D  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 119688 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 86.2  | 65.2  | 97.8   |
| 85       | 55.5  | 43.4  | 65.0   |
| 99       | 59.3  | 52.1  | 78.1   |

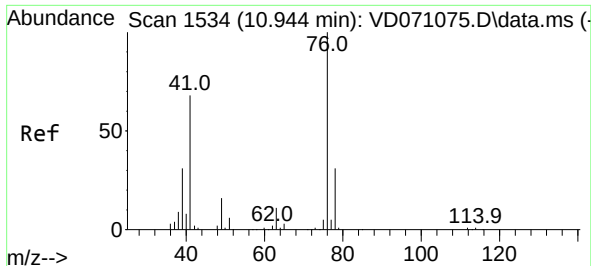


#56  
Ethyl methacrylate  
Concen: 53.200 ug/l  
RT: 10.655 min Scan# 1485  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 155166 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 76.9  | 50.2  | 75.2#  |
| 39       | 46.3  | 19.8  | 29.8#  |



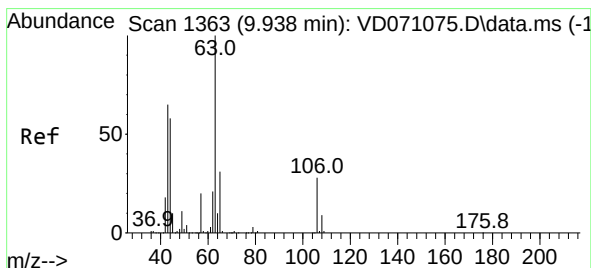
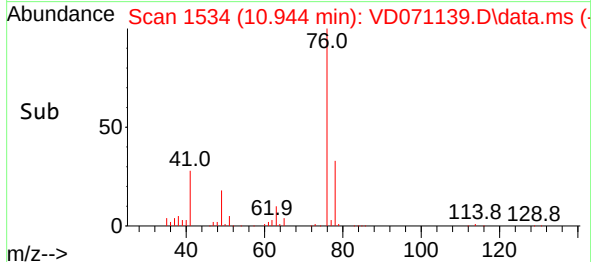
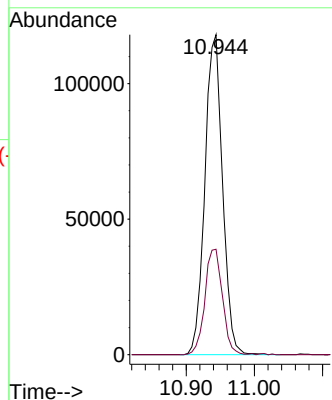
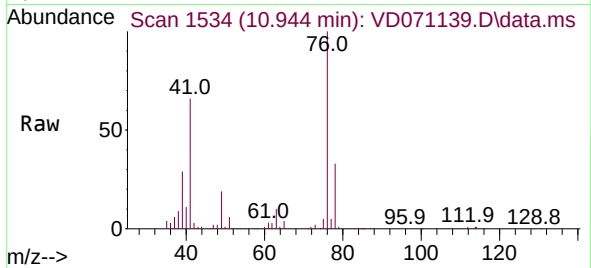




#57  
1,3-Dichloropropane  
Concen: 60.167 ug/l  
RT: 10.944 min Scan# 1534  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

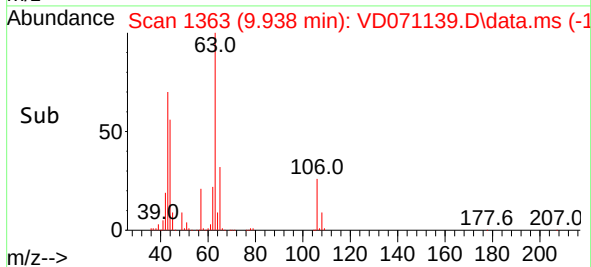
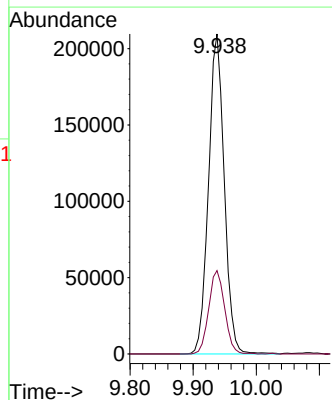
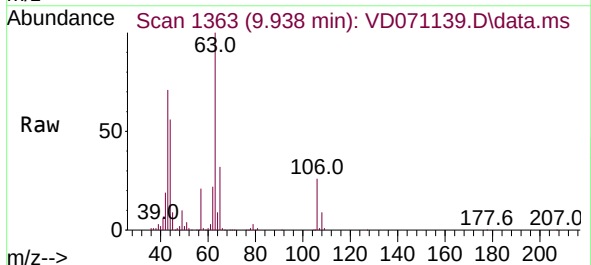
Instrument :  
MSVOA\_D  
ClientSampleId :

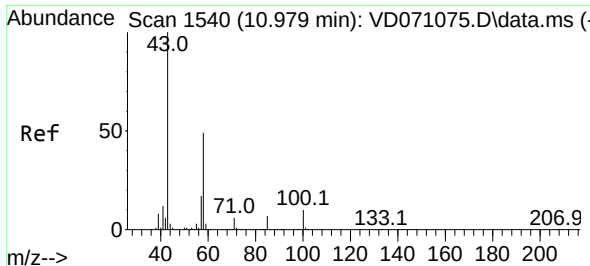
Tgt Ion: 76 Resp: 212406  
Ion Ratio Lower Upper  
76 100  
78 32.8 25.8 38.6



#58  
2-Chloroethyl Vinyl ether  
Concen: 265.502 ug/l  
RT: 9.938 min Scan# 1363  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 63 Resp: 363074  
Ion Ratio Lower Upper  
63 100  
106 26.4 21.0 31.4

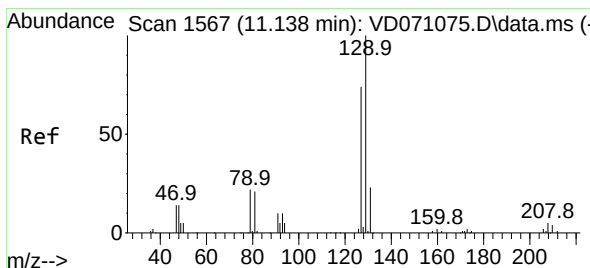
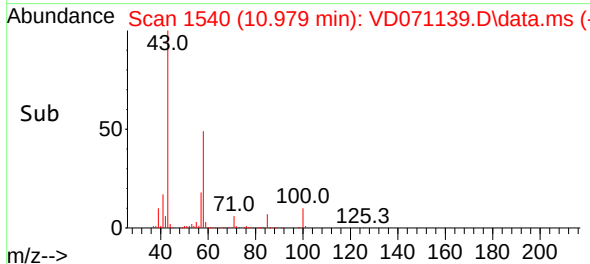
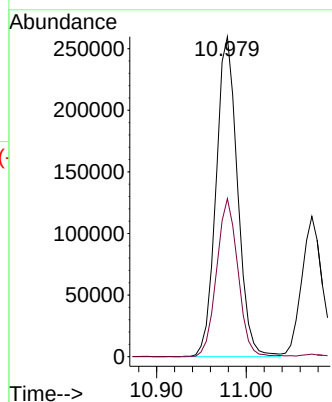
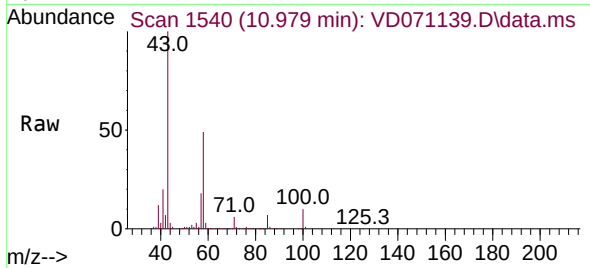




#59  
2-Hexanone  
Concen: 279.909 ug/l  
RT: 10.979 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

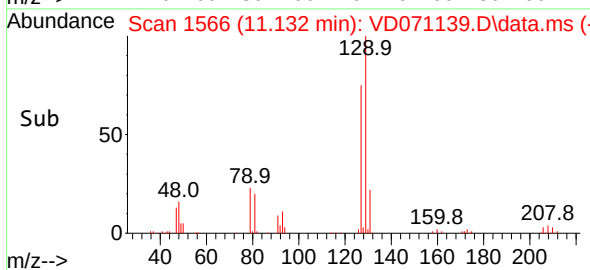
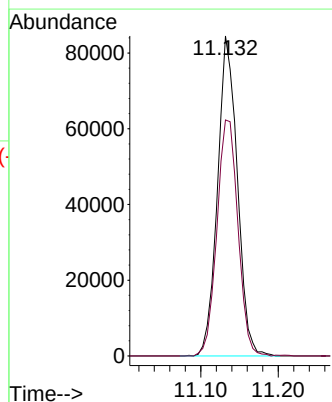
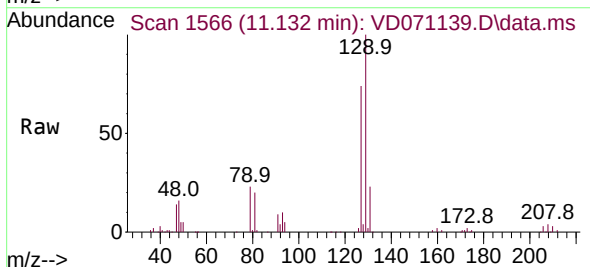
Instrument :  
MSVOA\_D  
ClientSampleId :

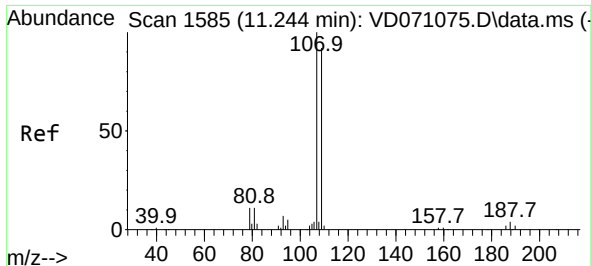
Tgt Ion: 43 Resp: 431925  
Ion Ratio Lower Upper  
43 100  
58 49.0 28.7 86.1



#60  
Dibromochloromethane  
Concen: 60.060 ug/l  
RT: 11.132 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 129 Resp: 150008  
Ion Ratio Lower Upper  
129 100  
127 78.3 38.9 116.6

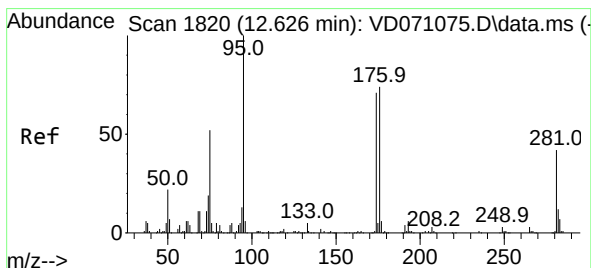
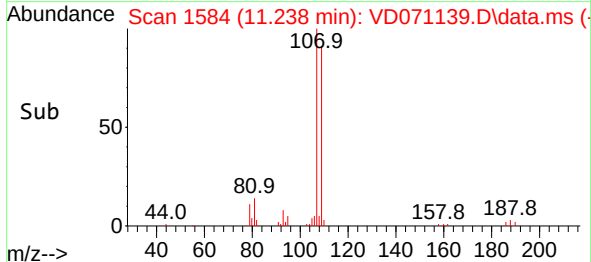
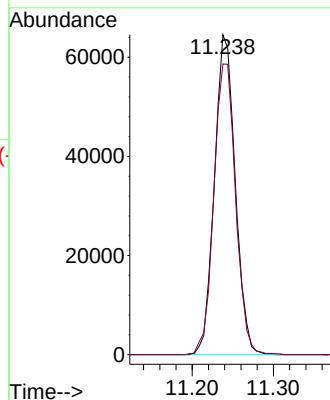
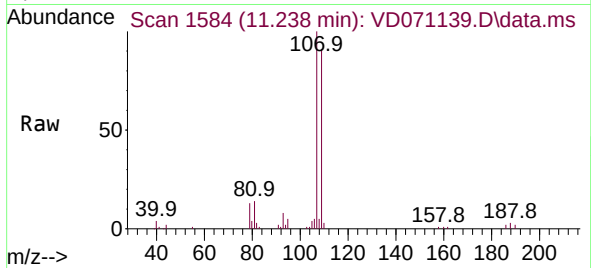




#61  
1,2-Dibromoethane  
Concen: 59.625 ug/l  
RT: 11.238 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

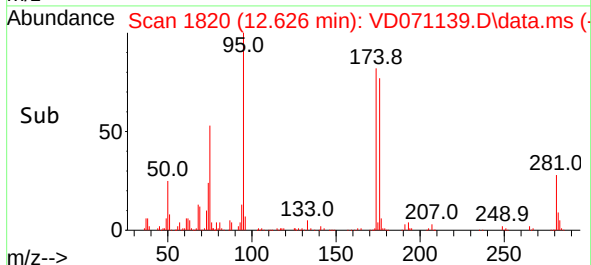
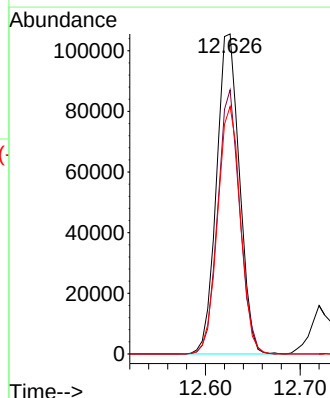
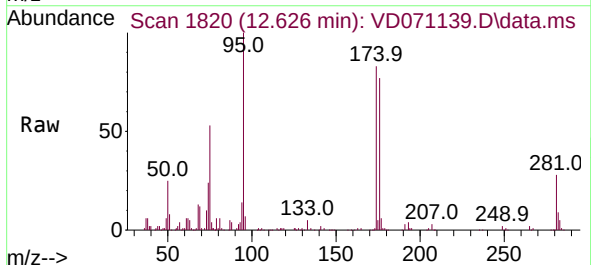
Instrument :  
MSVOA\_D  
ClientSampleId :

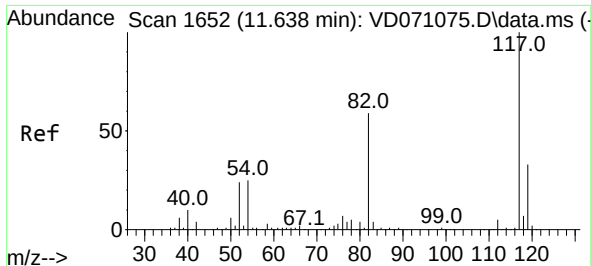
Tgt Ion:107 Resp: 115079  
Ion Ratio Lower Upper  
107 100  
109 95.1 74.6 112.0



#62  
4-Bromofluorobenzene  
Concen: 47.926 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 95 Resp: 178043  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 159.4  
176 76.8 0.0 154.0

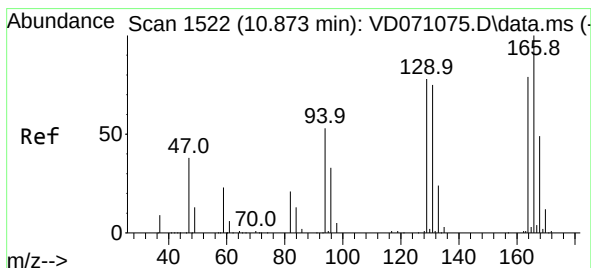
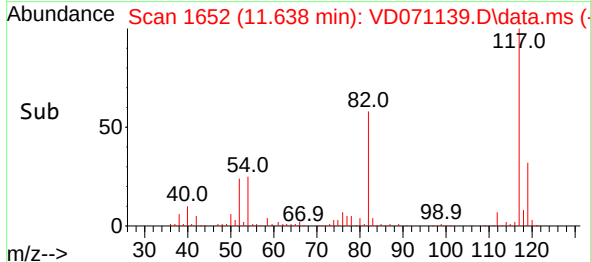
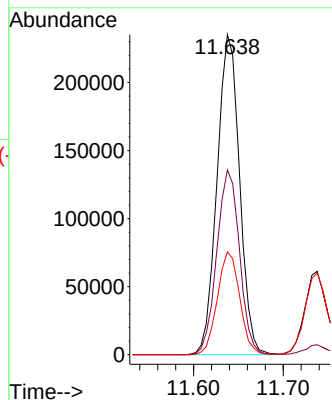
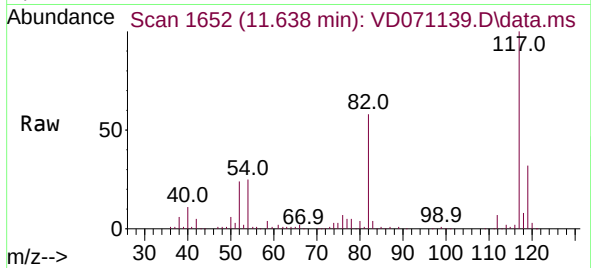




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

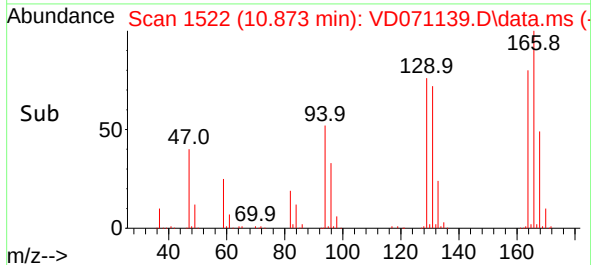
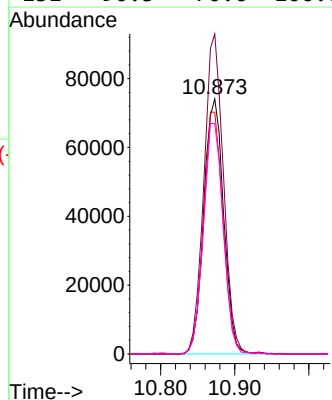
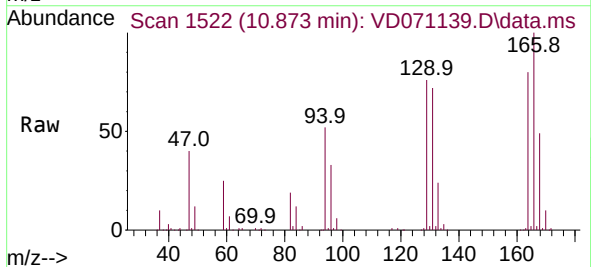
Instrument :  
MSVOA\_D  
ClientSampleId :

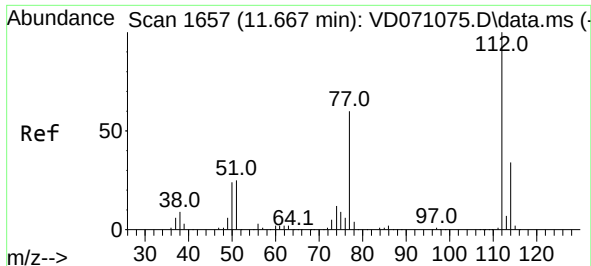
Tgt Ion:117 Resp: 410042  
Ion Ratio Lower Upper  
117 100  
82 57.8 44.7 67.1  
119 32.1 26.2 39.4



#64  
Tetrachloroethene  
Concen: 53.184 ug/l  
RT: 10.873 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:164 Resp: 138446  
Ion Ratio Lower Upper  
164 100  
166 125.5 102.6 153.8  
129 94.8 75.4 113.0  
131 90.3 70.6 106.0

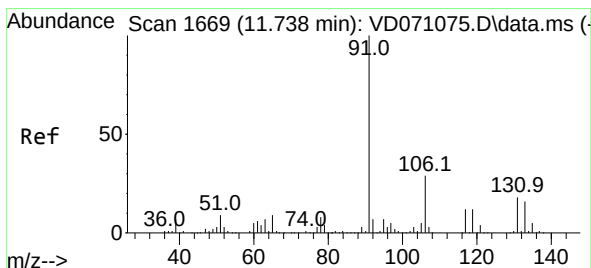
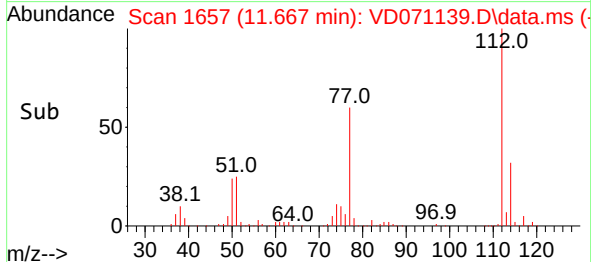
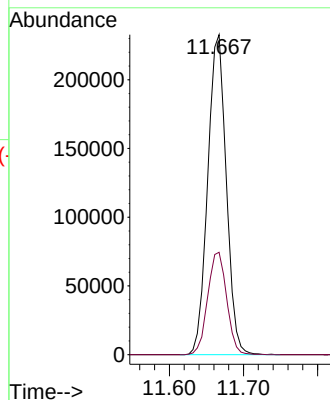
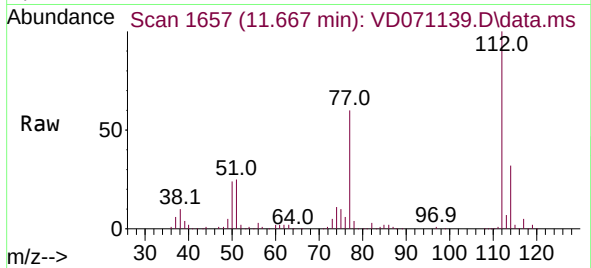




#65  
Chlorobenzene  
Concen: 53.214 ug/l  
RT: 11.667 min Scan# 1657  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

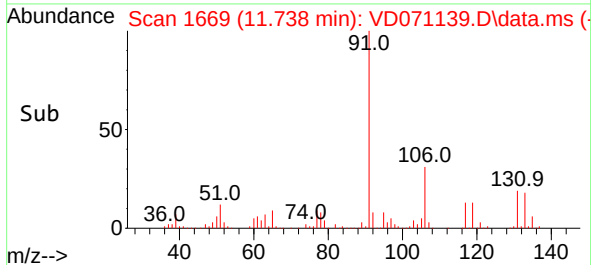
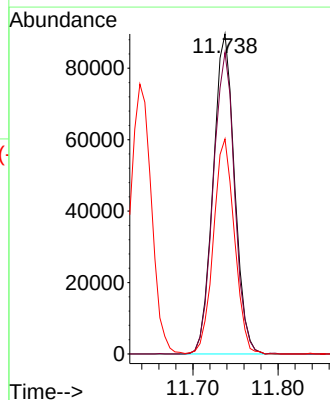
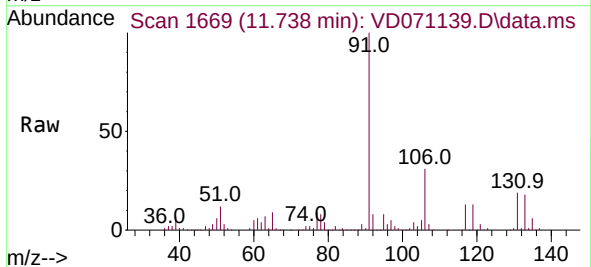
Instrument :  
MSVOA\_D  
ClientSampleId :

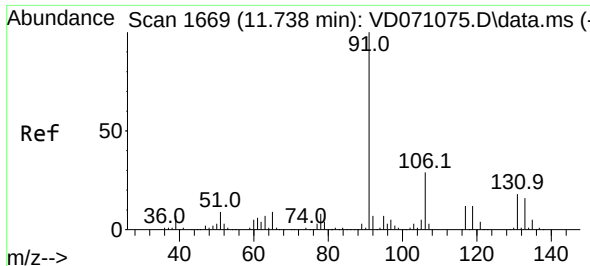
Tgt Ion:112 Resp: 404857  
Ion Ratio Lower Upper  
112 100  
114 32.0 26.0 39.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 56.468 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:131 Resp: 156861  
Ion Ratio Lower Upper  
131 100  
133 94.4 48.0 144.0  
119 66.0 33.5 100.4

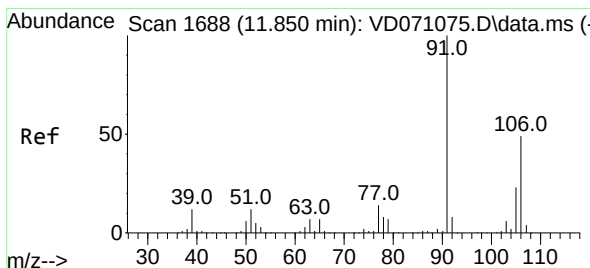
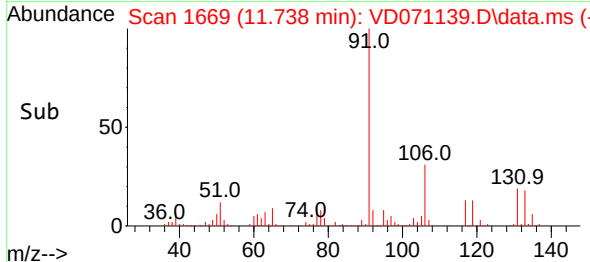
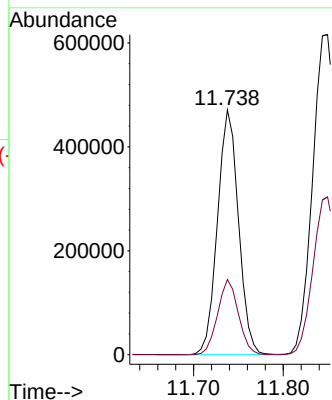
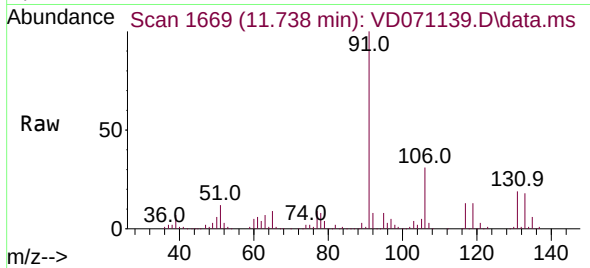




#67  
Ethyl Benzene  
Concen: 53.486 ug/l  
RT: 11.738 min Scan# 1669  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

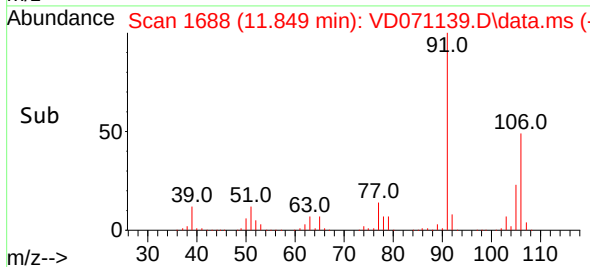
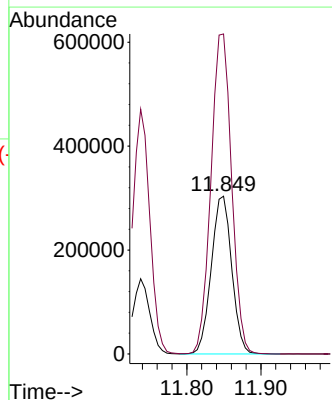
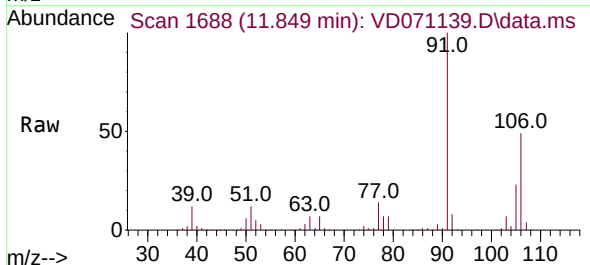
Instrument :  
MSVOA\_D  
ClientSampleId :

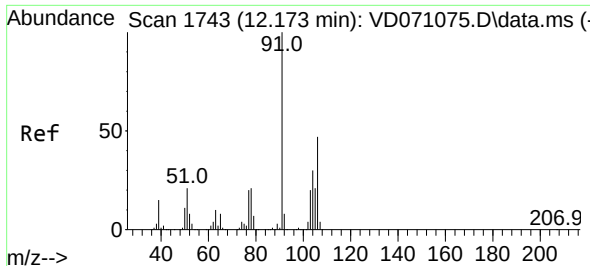
Tgt Ion: 91 Resp: 766040  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.6 36.8



#68  
m/p-Xylenes  
Concen: 107.550 ug/l  
RT: 11.849 min Scan# 1688  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:106 Resp: 581540  
Ion Ratio Lower Upper  
106 100  
91 204.9 160.1 240.1

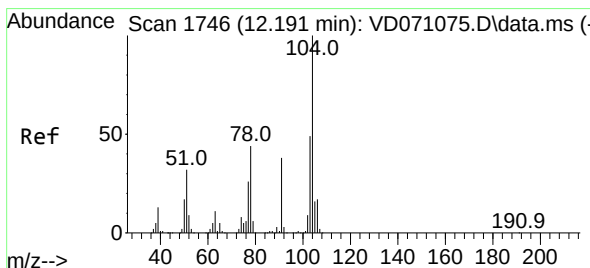
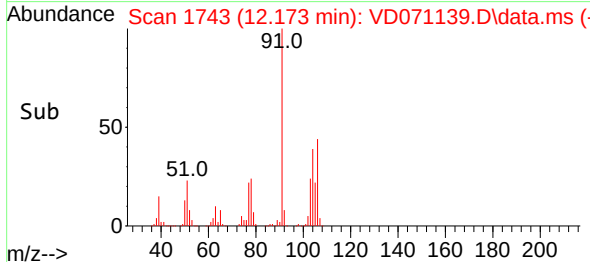
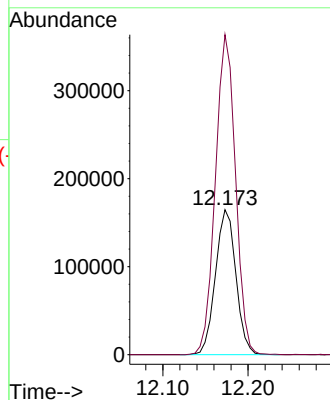
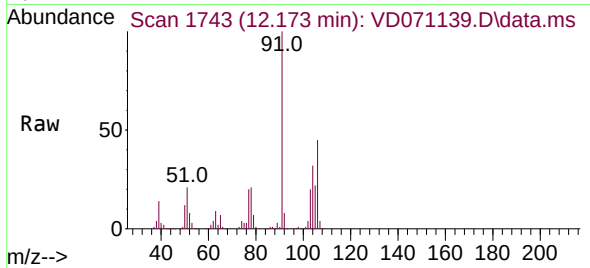




#69  
o-Xylene  
Concen: 54.007 ug/l  
RT: 12.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

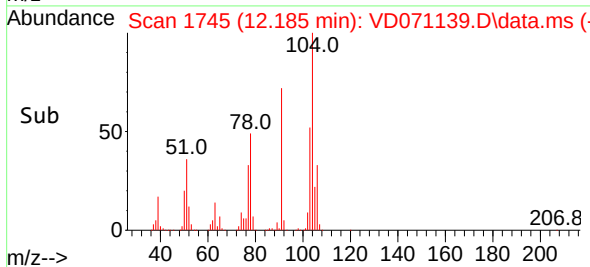
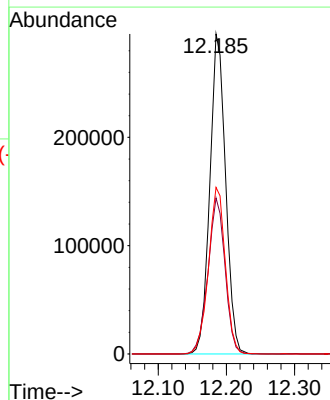
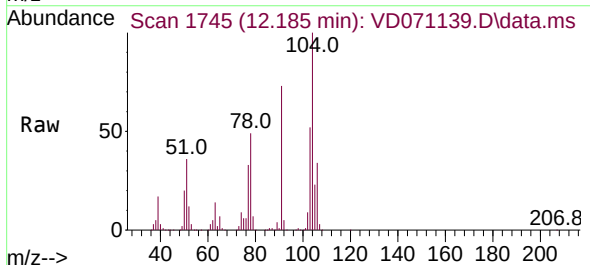
Instrument :  
MSVOA\_D  
ClientSampleId :

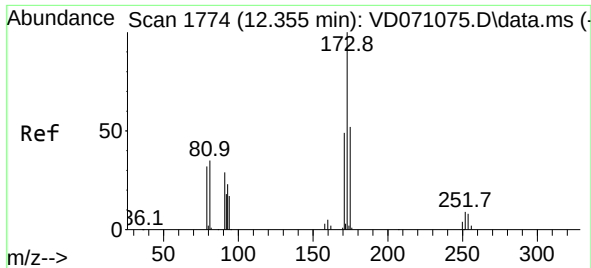
Tgt Ion:106 Resp: 274468  
Ion Ratio Lower Upper  
106 100  
91 217.9 106.3 319.0



#70  
Styrene  
Concen: 55.585 ug/l  
RT: 12.185 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:104 Resp: 476089  
Ion Ratio Lower Upper  
104 100  
78 52.7 39.4 59.0  
103 55.5 43.4 65.0

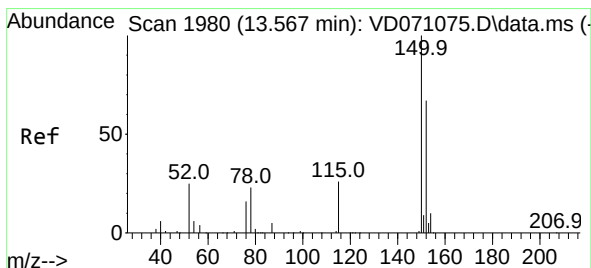
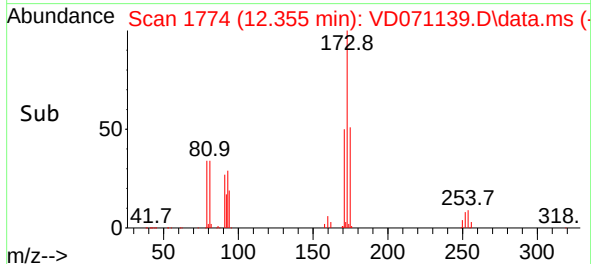
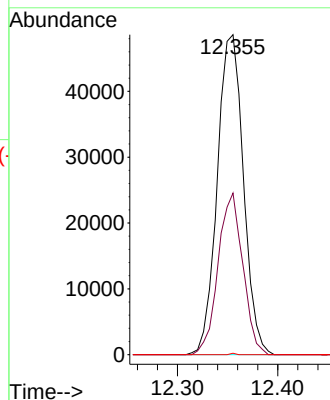
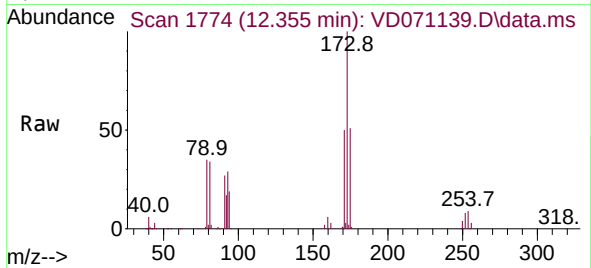




#71  
Bromoform  
Concen: 61.225 ug/l  
RT: 12.355 min Scan# 1774  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

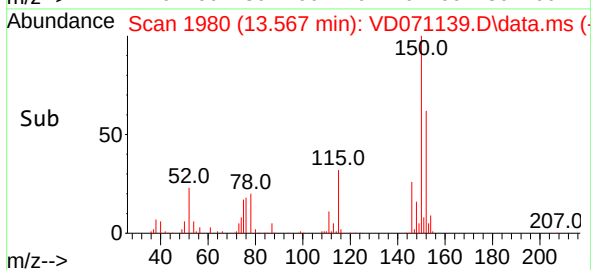
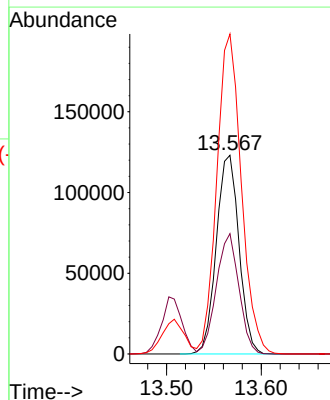
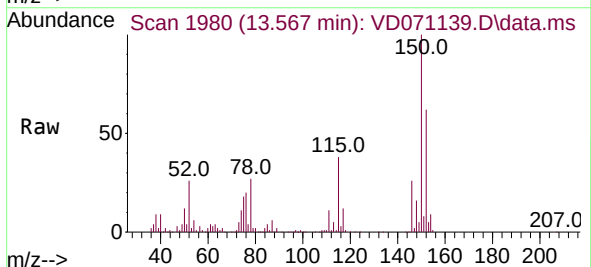
Instrument :  
MSVOA\_D  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.6  | 24.1  | 72.2  |
| 254     | 0.1   | 0.1   | 0.1   |

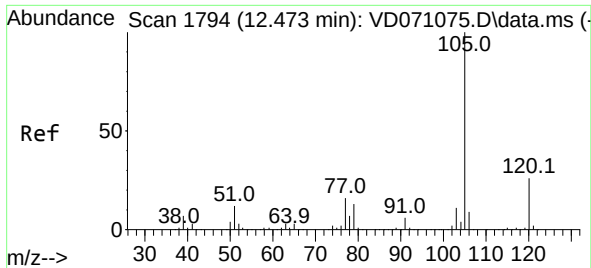


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.567 min Scan# 1980  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 29.8  | 89.3  |
| 150     | 173.8 | 0.0   | 349.2 |



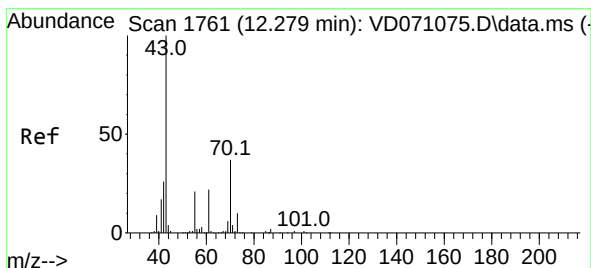
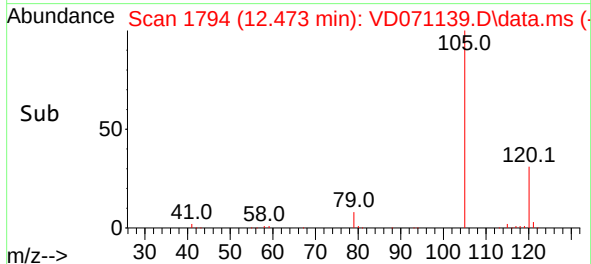
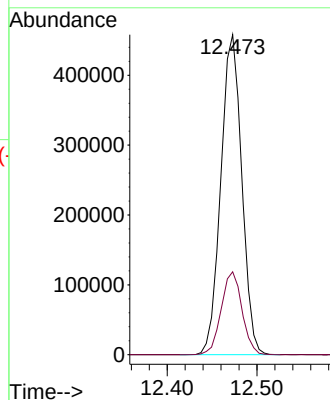
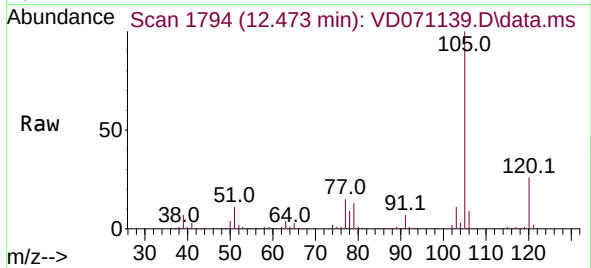




#73  
Isopropylbenzene  
Concen: 49.995 ug/l  
RT: 12.473 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

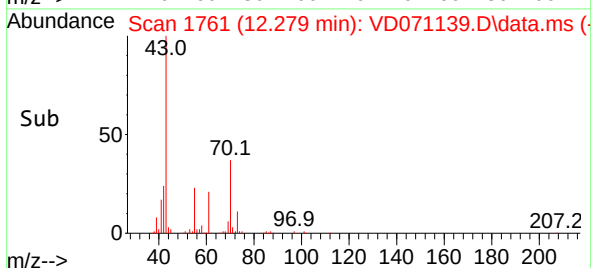
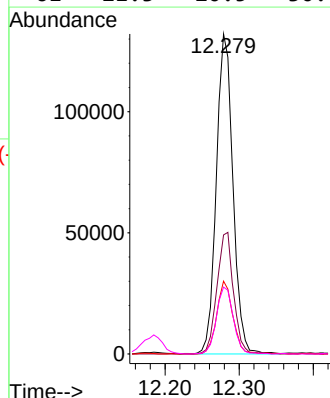
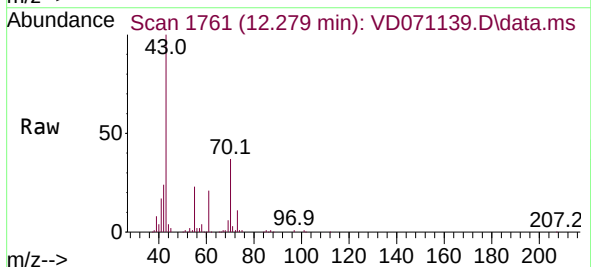
Instrument :  
MSVOA\_D  
ClientSampleId :

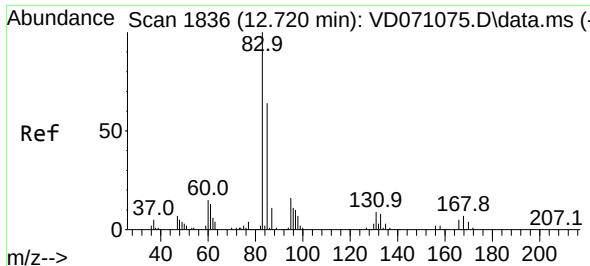
Tgt Ion:105 Resp: 741881  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.2 39.5



#74  
N-ethyl acetate  
Concen: 50.557 ug/l  
RT: 12.279 min Scan# 1761  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 43 Resp: 205692  
Ion Ratio Lower Upper  
43 100  
70 37.9 36.6 55.0  
55 22.0 22.5 33.7#  
61 21.3 20.5 30.7

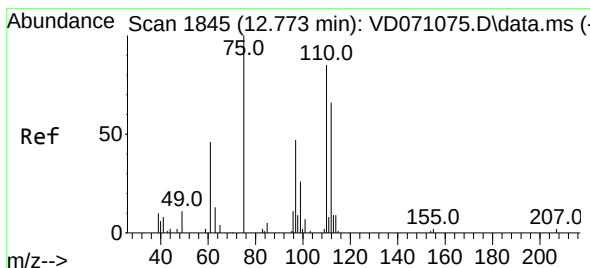
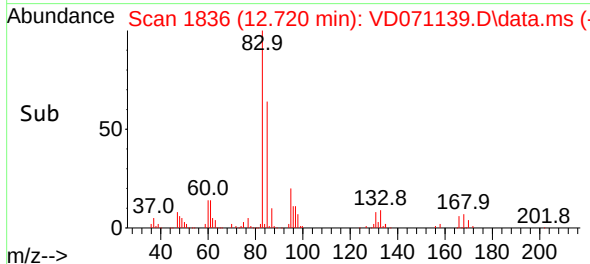
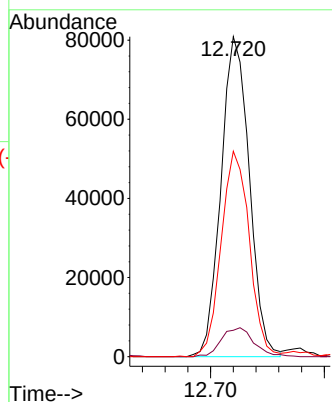
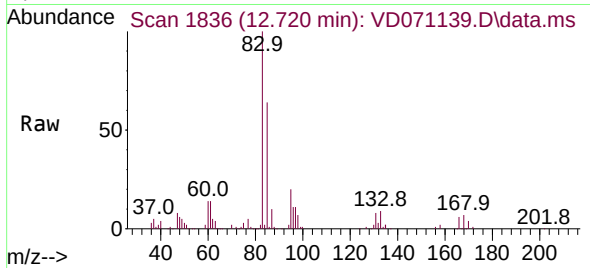




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 57.350 ug/l  
 RT: 12.720 min Scan# 1836  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

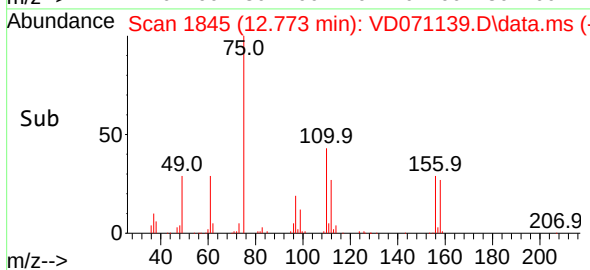
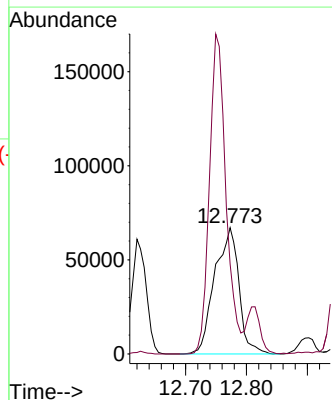
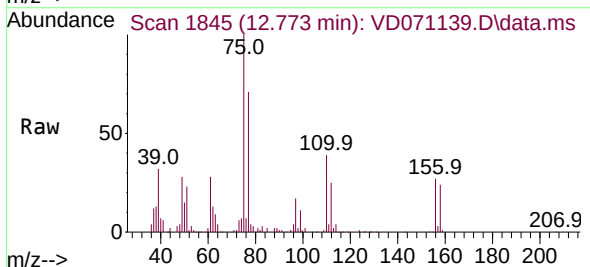
Instrument :  
 MSVOA\_D  
 ClientSampleId :

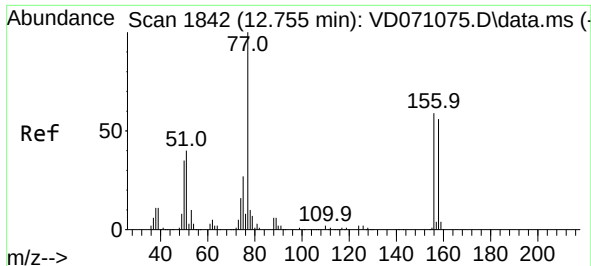
Tgt Ion: 83 Resp: 140147  
 Ion Ratio Lower Upper  
 83 100  
 131 10.4 4.9 14.7  
 85 63.8 32.0 96.2



#76  
 1,2,3-Trichloropropane  
 Concen: 94.850 ug/l  
 RT: 12.773 min Scan# 1845  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion: 75 Resp: 185199  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 158.4 475.3#

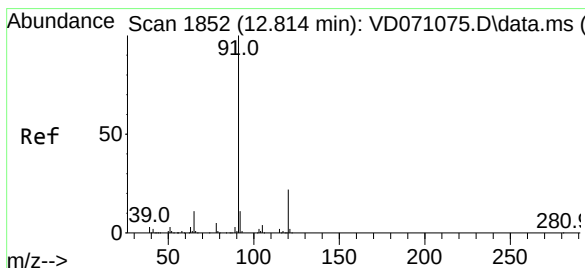
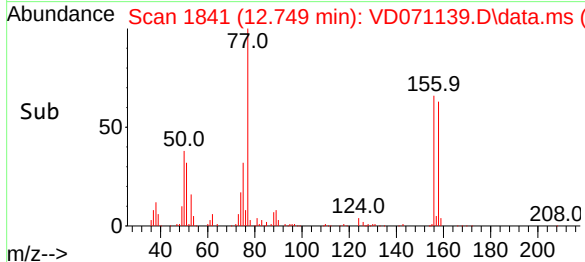
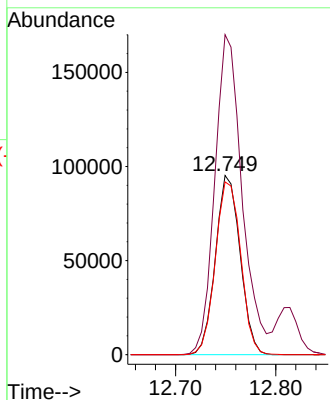
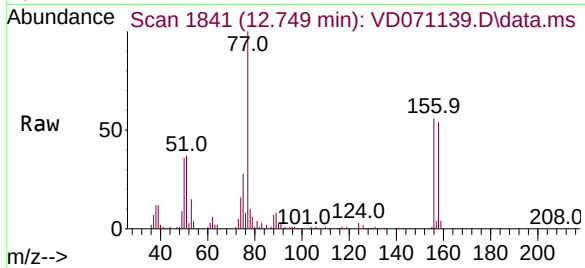




#77  
Bromobenzene  
Concen: 50.670 ug/l  
RT: 12.749 min Scan# 1841  
Delta R.T. -0.006 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

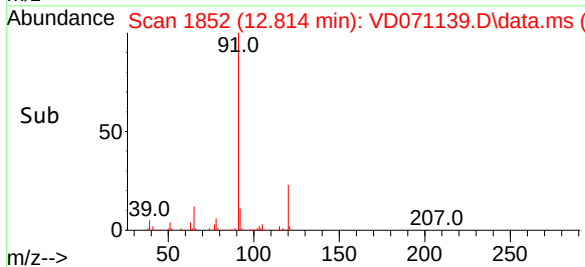
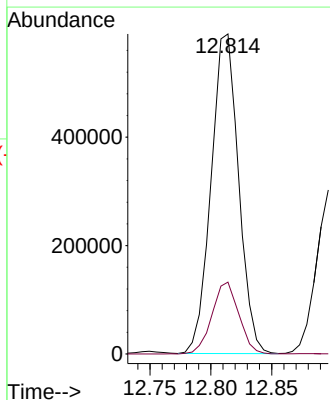
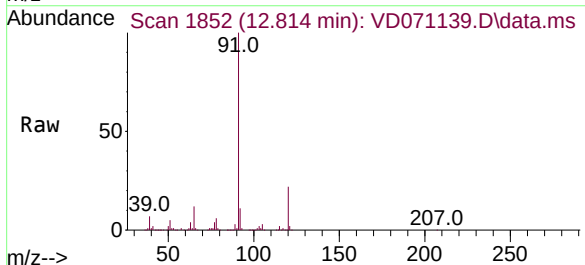
Instrument :  
MSVOA\_D  
ClientSampleId :

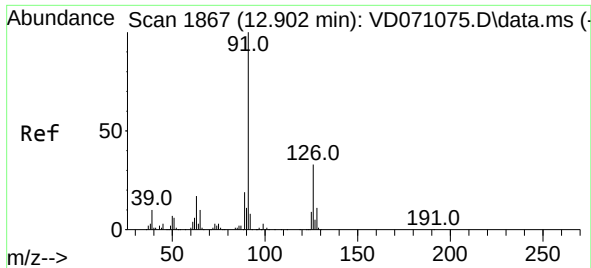
Tgt Ion:156 Resp: 162860  
Ion Ratio Lower Upper  
156 100  
77 196.6 96.6 289.8  
158 99.1 49.1 147.4



#78  
n-propylbenzene  
Concen: 50.172 ug/l  
RT: 12.814 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 91 Resp: 927161  
Ion Ratio Lower Upper  
91 100  
120 21.9 10.9 32.9

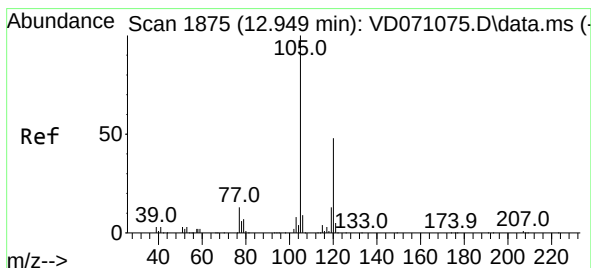
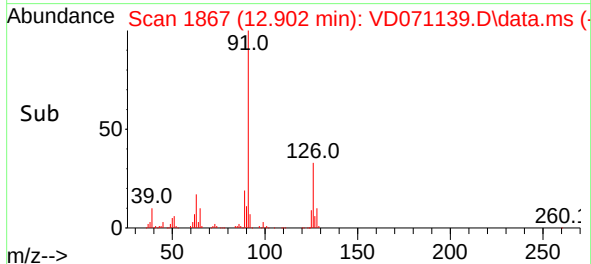
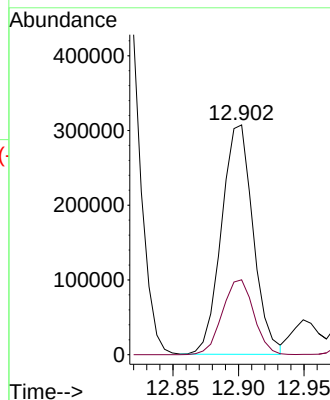
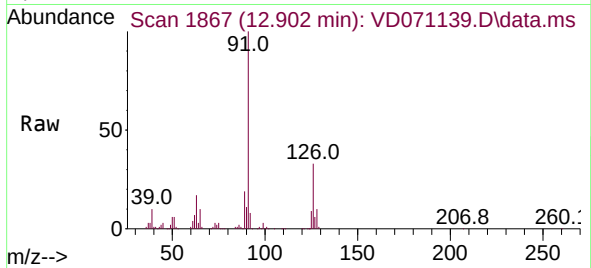




#79  
2-Chlorotoluene  
Concen: 49.785 ug/l  
RT: 12.902 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

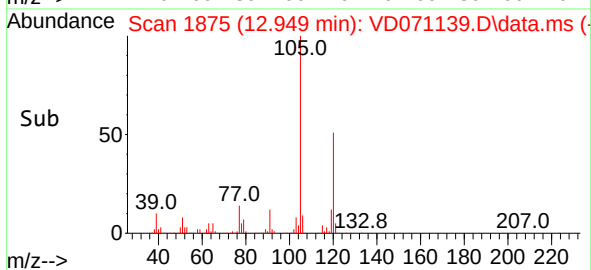
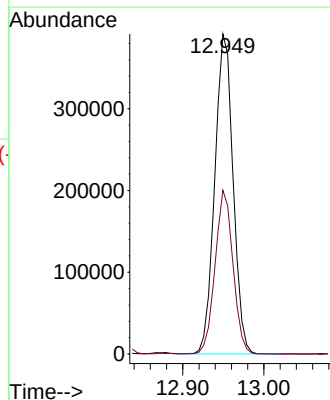
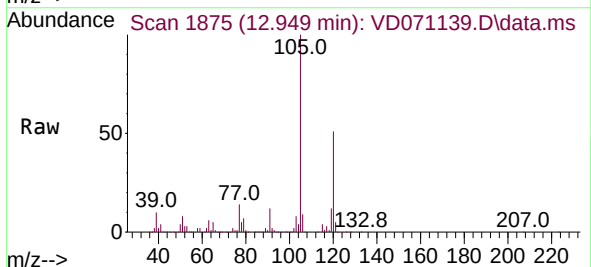
Instrument :  
MSVOA\_D  
ClientSampleId :

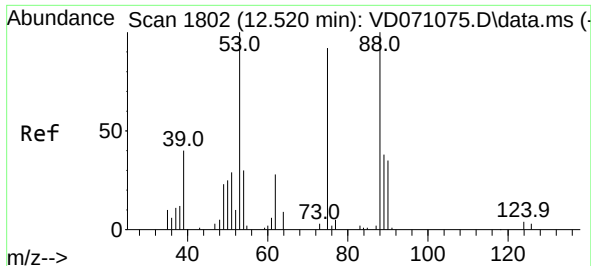
Tgt Ion: 91 Resp: 516366  
Ion Ratio Lower Upper  
91 100  
126 32.4 16.6 49.7



#80  
1,3,5-Trimethylbenzene  
Concen: 50.197 ug/l  
RT: 12.949 min Scan# 1875  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 105 Resp: 614237  
Ion Ratio Lower Upper  
105 100  
120 50.0 24.6 73.8

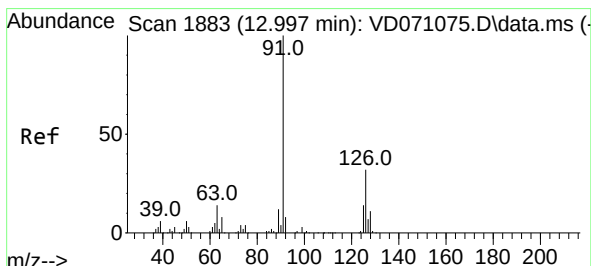
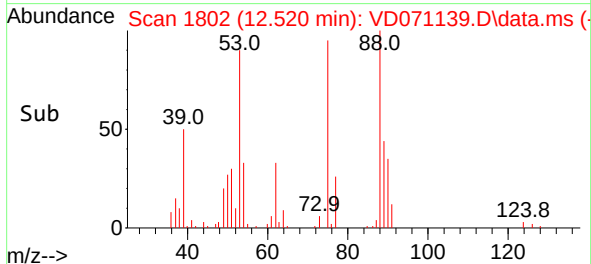
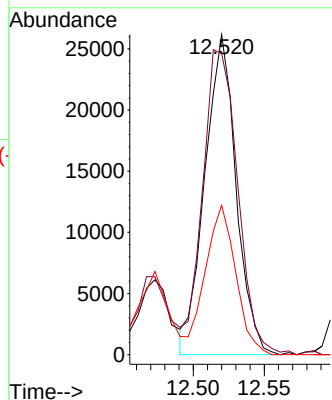
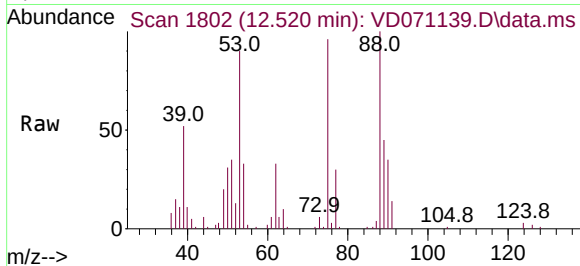




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.162 ug/l  
RT: 12.520 min Scan# 1802  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

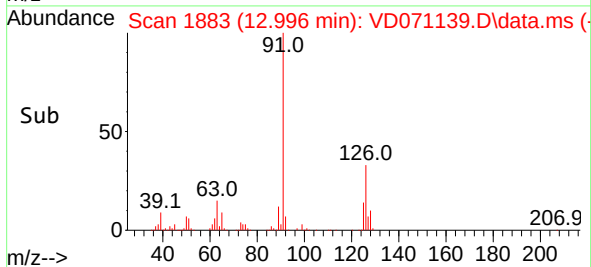
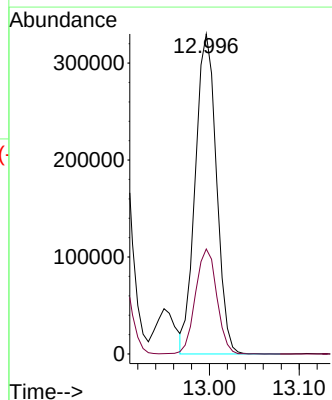
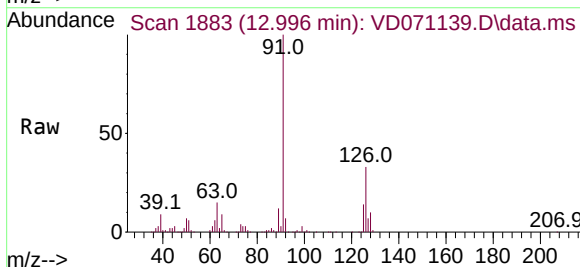
Instrument :  
MSVOA\_D  
ClientSampleId :

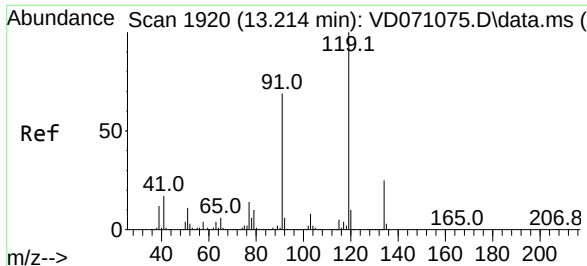
Tgt Ion: 75 Resp: 40006  
Ion Ratio Lower Upper  
75 100  
53 106.8 62.6 94.0#  
89 44.8 34.5 51.7



#82  
4-Chlorotoluene  
Concen: 49.972 ug/l  
RT: 12.996 min Scan# 1883  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion: 91 Resp: 538084  
Ion Ratio Lower Upper  
91 100  
126 33.2 16.4 49.1

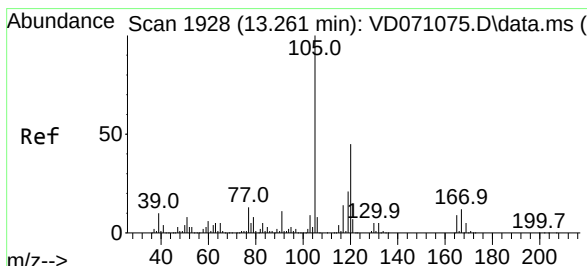
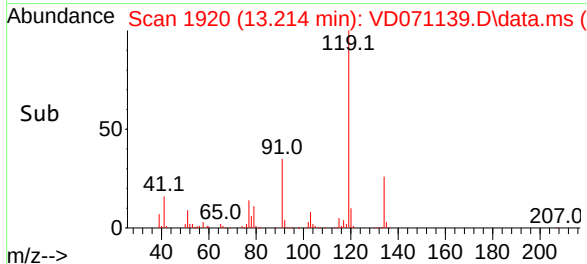
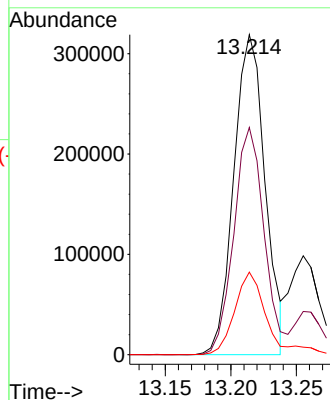
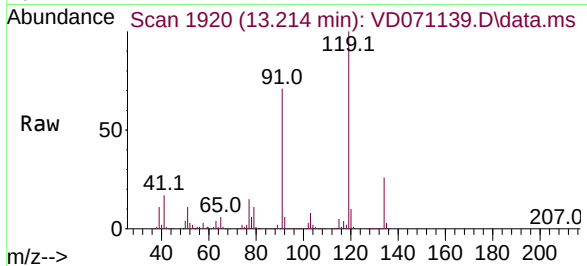




#83  
 tert-Butylbenzene  
 Concen: 50.320 ug/l  
 RT: 13.214 min Scan# 1920  
 Delta R.T. 0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

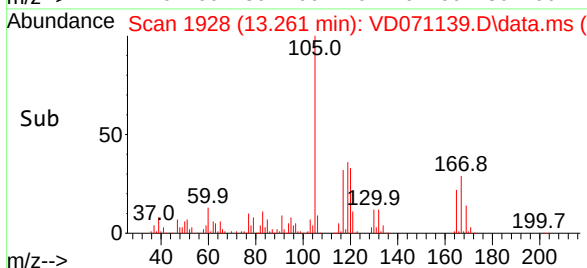
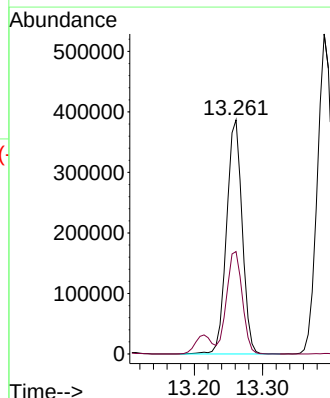
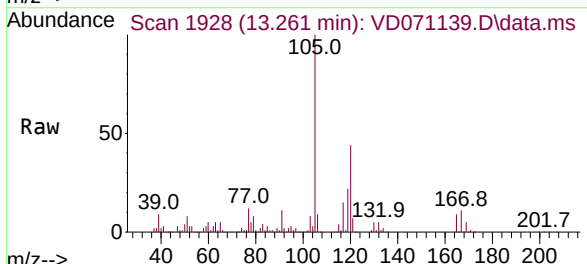
Instrument :  
 MSVOA\_D  
 ClientSampleId :

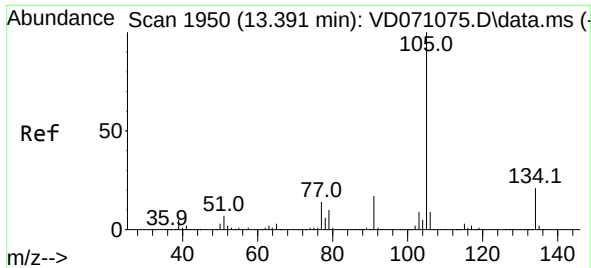
Tgt Ion:119 Resp: 528799  
 Ion Ratio Lower Upper  
 119 100  
 91 69.5 32.5 97.5  
 134 26.4 13.2 39.6



#84  
 1,2,4-Trimethylbenzene  
 Concen: 51.450 ug/l  
 RT: 13.261 min Scan# 1928  
 Delta R.T. 0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion:105 Resp: 614662  
 Ion Ratio Lower Upper  
 105 100  
 120 44.1 22.9 68.7

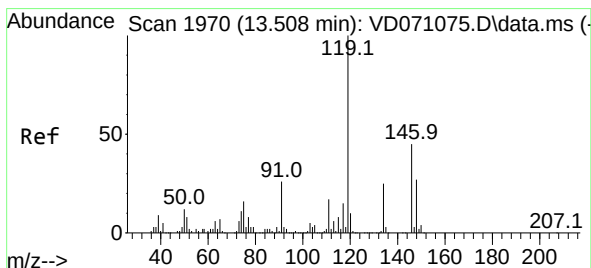
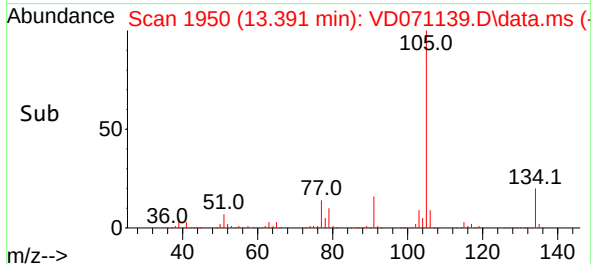
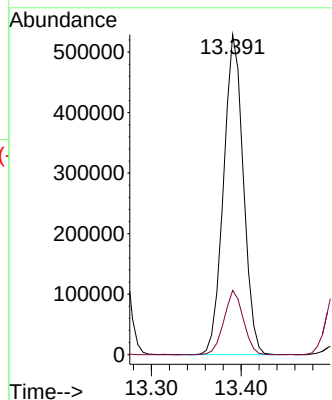
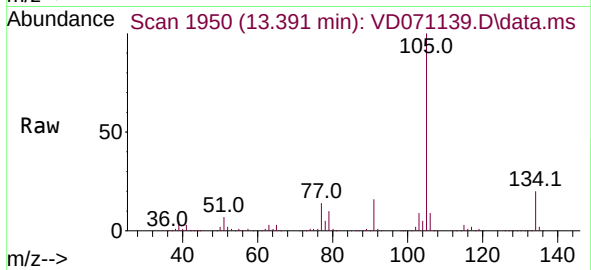




#85  
 sec-Butylbenzene  
 Concen: 50.444 ug/l  
 RT: 13.391 min Scan# 1950  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

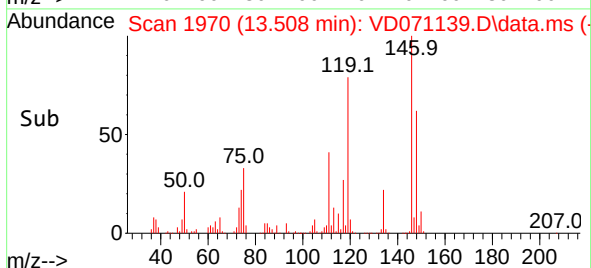
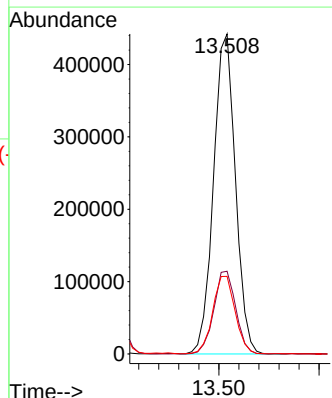
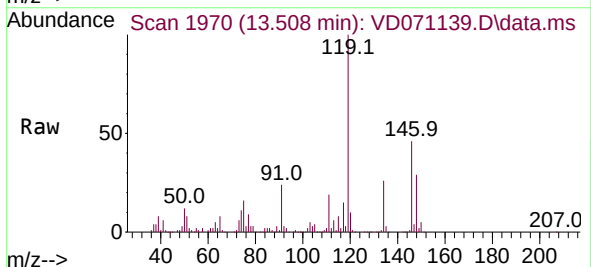
Instrument :  
 MSVOA\_D  
 ClientSampleId :

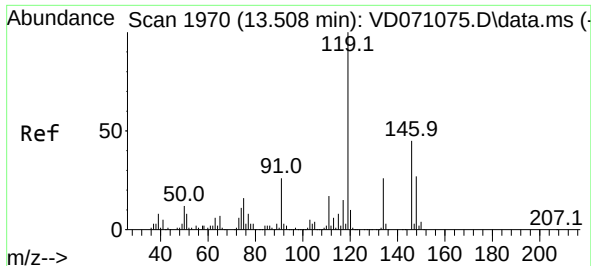
Tgt Ion:105 Resp: 809654  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 28.9



#86  
 p-Isopropyltoluene  
 Concen: 51.036 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. 0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion:119 Resp: 669990  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.0 38.9  
 91 24.9 11.4 34.2

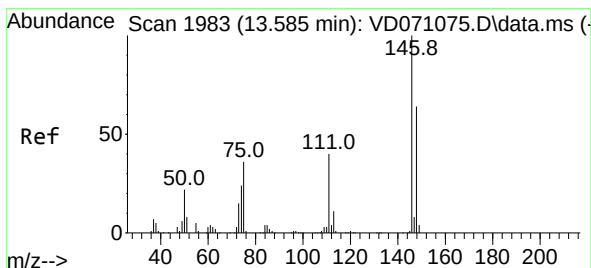
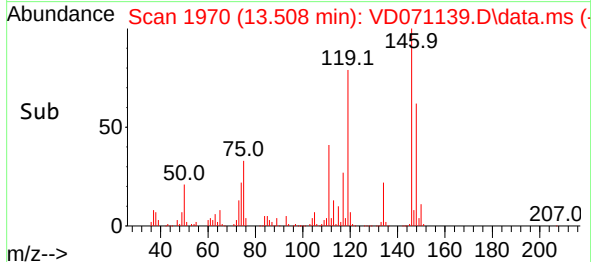
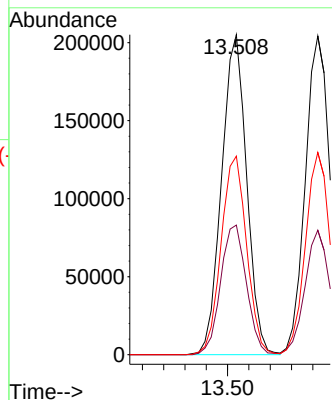
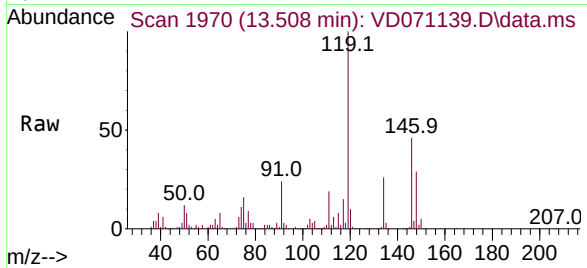




#87  
 1,3-Dichlorobenzene  
 Concen: 52.342 ug/l  
 RT: 13.508 min Scan# 1970  
 Delta R.T. 0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

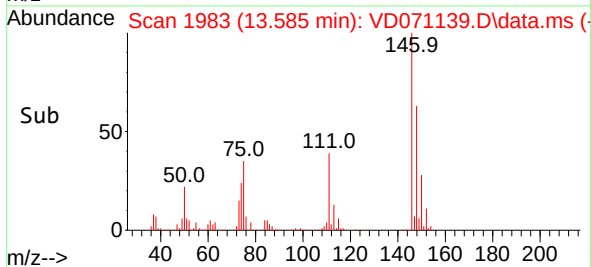
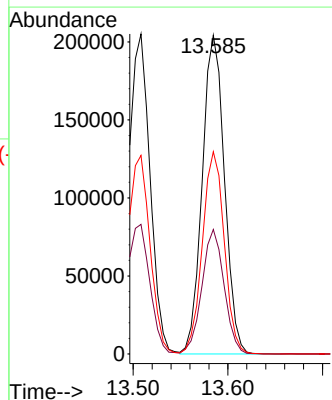
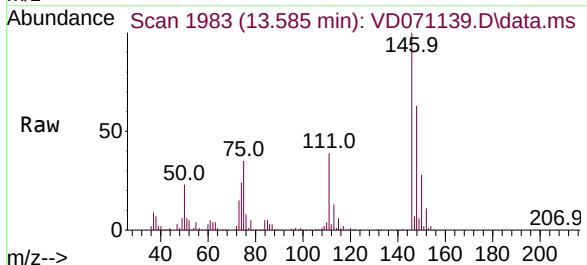
Instrument :  
 MSVOA\_D  
 ClientSampleId :

Tgt Ion:146 Resp: 334896  
 Ion Ratio Lower Upper  
 146 100  
 111 41.7 19.8 59.4  
 148 63.2 32.1 96.3

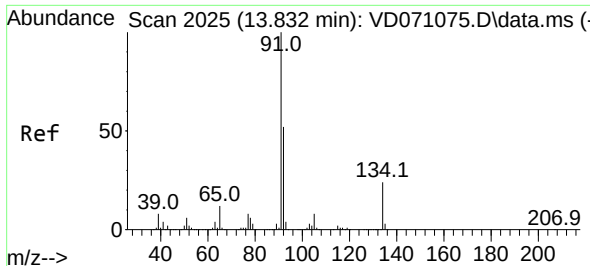


#88  
 1,4-Dichlorobenzene  
 Concen: 52.483 ug/l  
 RT: 13.585 min Scan# 1983  
 Delta R.T. -0.000 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

Tgt Ion:146 Resp: 332689  
 Ion Ratio Lower Upper  
 146 100  
 111 39.0 19.6 58.8  
 148 62.5 31.5 94.5

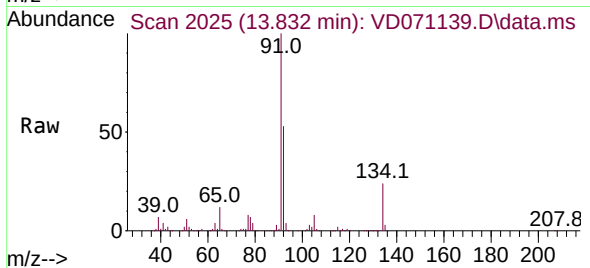




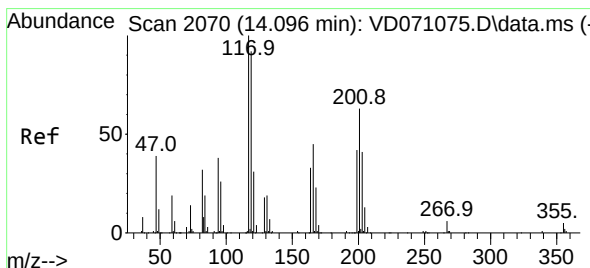
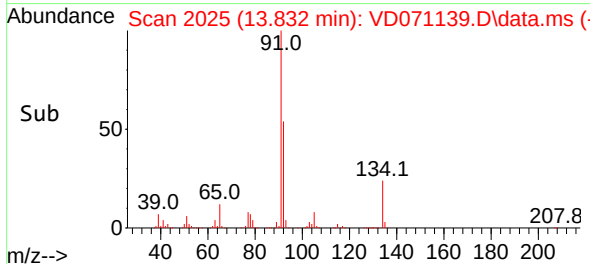
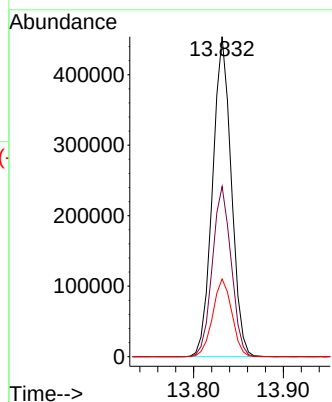


#89  
n-Butylbenzene  
Concen: 51.380 ug/l  
RT: 13.832 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

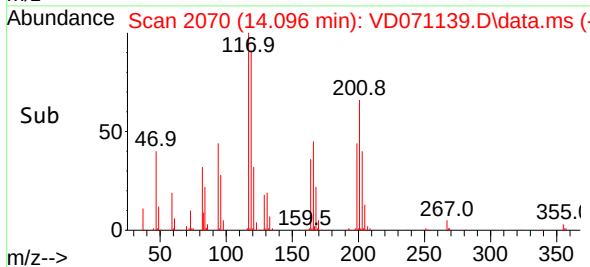
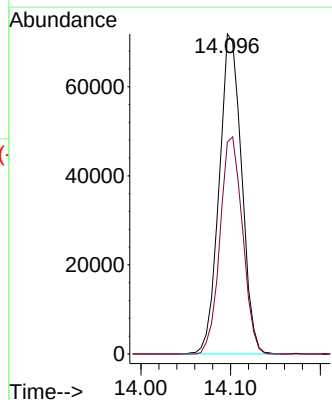
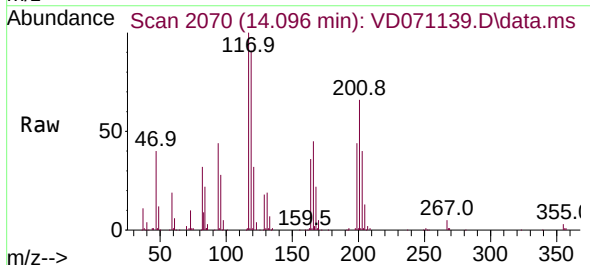


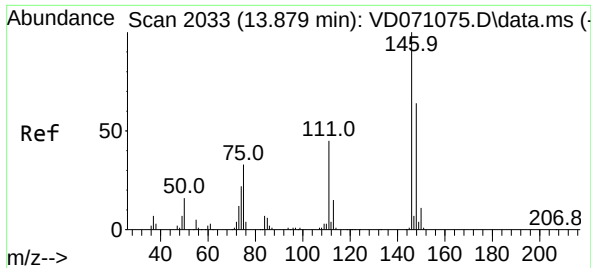
Tgt Ion: 91 Resp: 658446  
Ion Ratio Lower Upper  
91 100  
92 53.5 27.3 81.9  
134 24.9 12.3 36.9



#90  
Hexachloroethane  
Concen: 50.109 ug/l  
RT: 14.096 min Scan# 2070  
Delta R.T. 0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

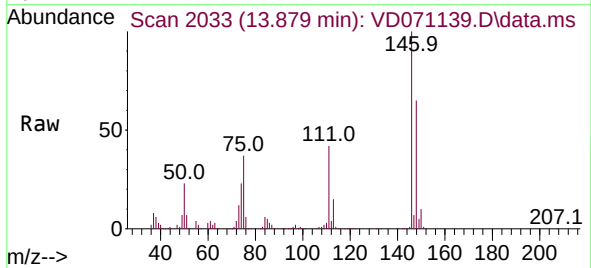
Tgt Ion: 117 Resp: 124699  
Ion Ratio Lower Upper  
117 100  
201 68.1 36.0 108.1



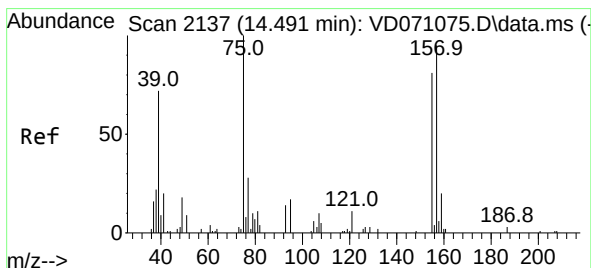
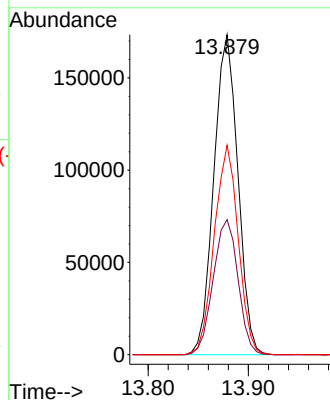
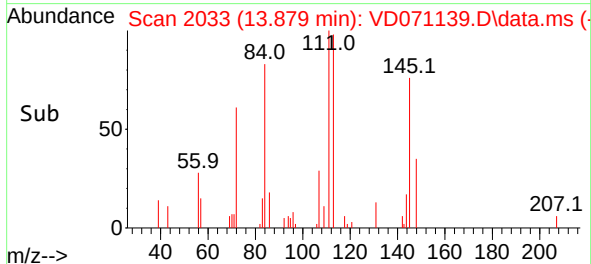


#91  
1,2-Dichlorobenzene  
Concen: 53.089 ug/l  
RT: 13.879 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

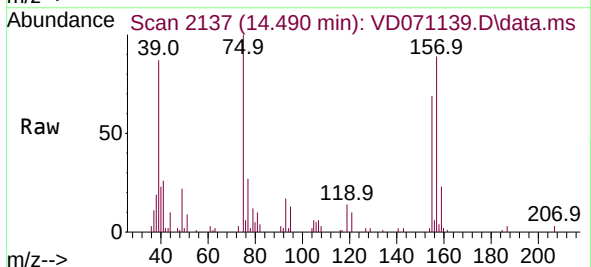
Instrument :  
MSVOA\_D  
ClientSampleId :



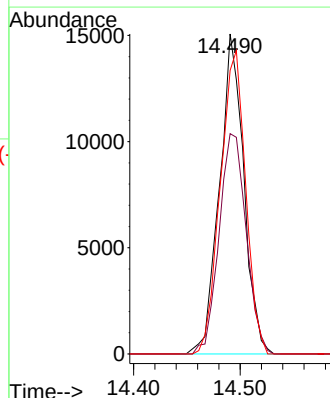
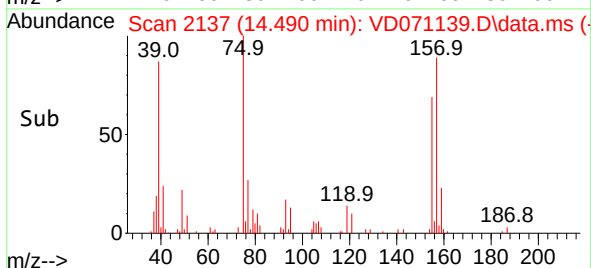
Tgt Ion:146 Resp: 288862  
Ion Ratio Lower Upper  
146 100  
111 43.5 20.8 62.2  
148 65.2 31.7 95.1

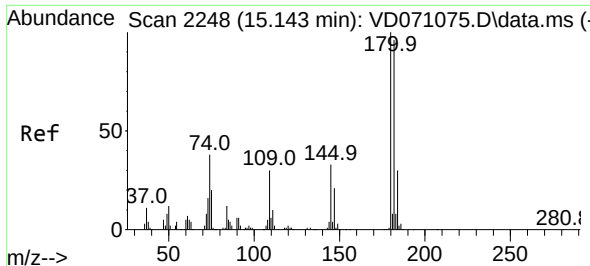


#92  
1,2-Dibromo-3-Chloropropane  
Concen: 59.685 ug/l  
RT: 14.490 min Scan# 2137  
Delta R.T. -0.001 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57



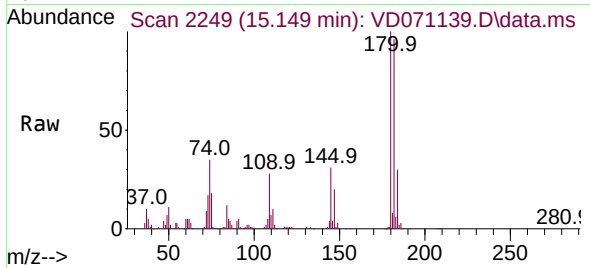
Tgt Ion: 75 Resp: 23752  
Ion Ratio Lower Upper  
75 100  
155 77.0 40.0 120.0  
157 99.0 49.8 149.3



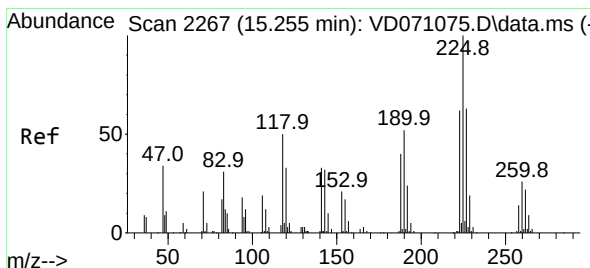
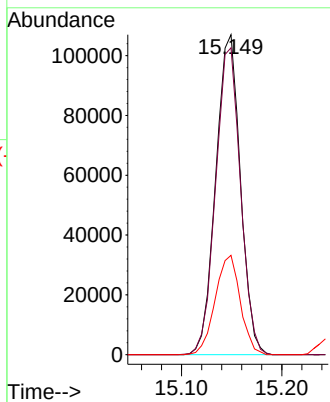
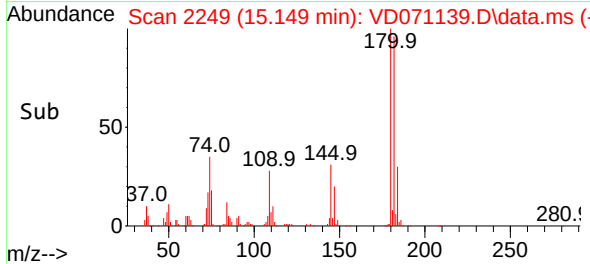


#93  
 1,2,4-Trichlorobenzene  
 Concen: 53.815 ug/l  
 RT: 15.149 min Scan# 2248  
 Delta R.T. 0.006 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57

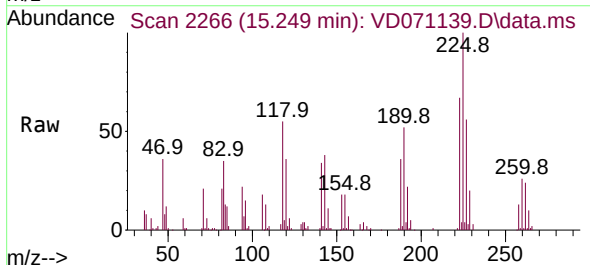
Instrument :  
 MSVOA\_D  
 ClientSampleId :



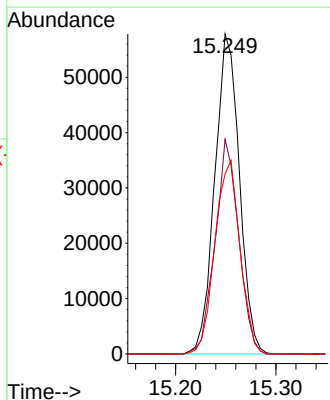
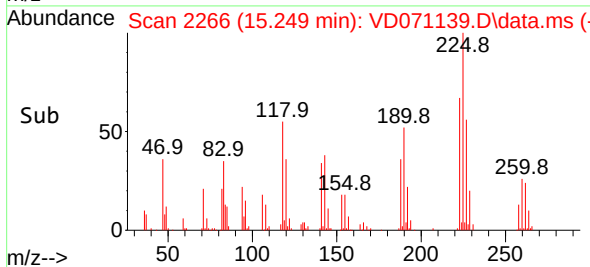
Tgt Ion:180 Resp: 182647  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 48.2 144.6  
 145 31.6 15.4 46.2

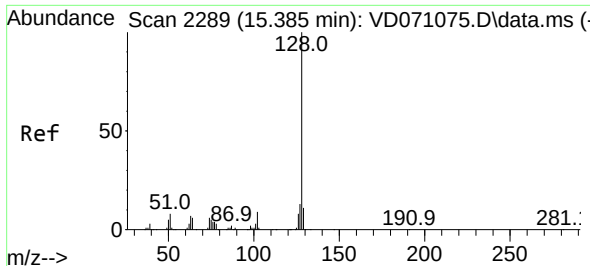


#94  
 Hexachlorobutadiene  
 Concen: 51.255 ug/l  
 RT: 15.249 min Scan# 2266  
 Delta R.T. -0.006 min  
 Lab File: VD071139.D  
 Acq: 03 Dec 2021 17:57



Tgt Ion:225 Resp: 98427  
 Ion Ratio Lower Upper  
 225 100  
 223 64.0 31.8 95.3  
 227 62.0 31.6 94.8

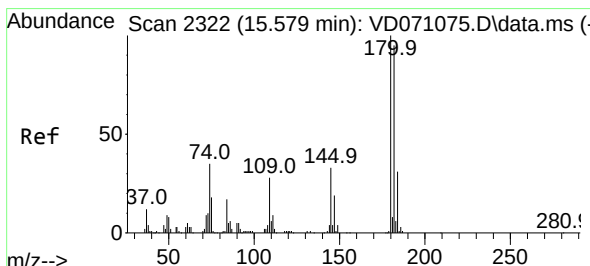
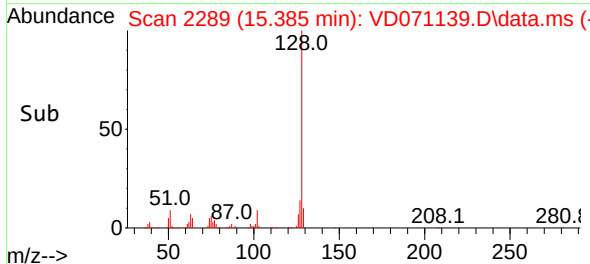
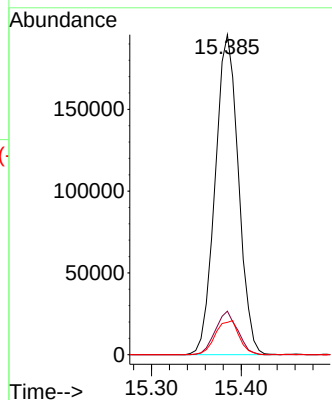
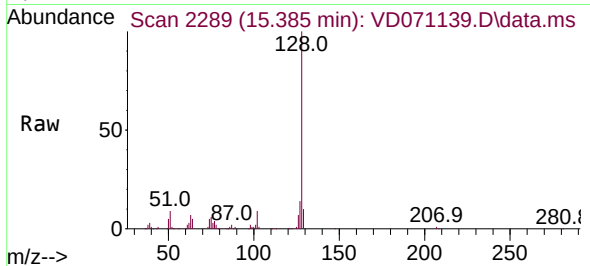




#95  
Naphthalene  
Concen: 58.980 ug/l  
RT: 15.385 min Scan# 2289  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Instrument :  
MSVOA\_D  
ClientSampleId :

Tgt Ion:128 Resp: 352878  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.7 16.1  
129 10.9 8.7 13.1



#96  
1,2,3-Trichlorobenzene  
Concen: 56.393 ug/l  
RT: 15.579 min Scan# 2322  
Delta R.T. -0.000 min  
Lab File: VD071139.D  
Acq: 03 Dec 2021 17:57

Tgt Ion:180 Resp: 162562  
Ion Ratio Lower Upper  
180 100  
182 94.6 46.7 140.1  
145 34.1 15.9 47.6

