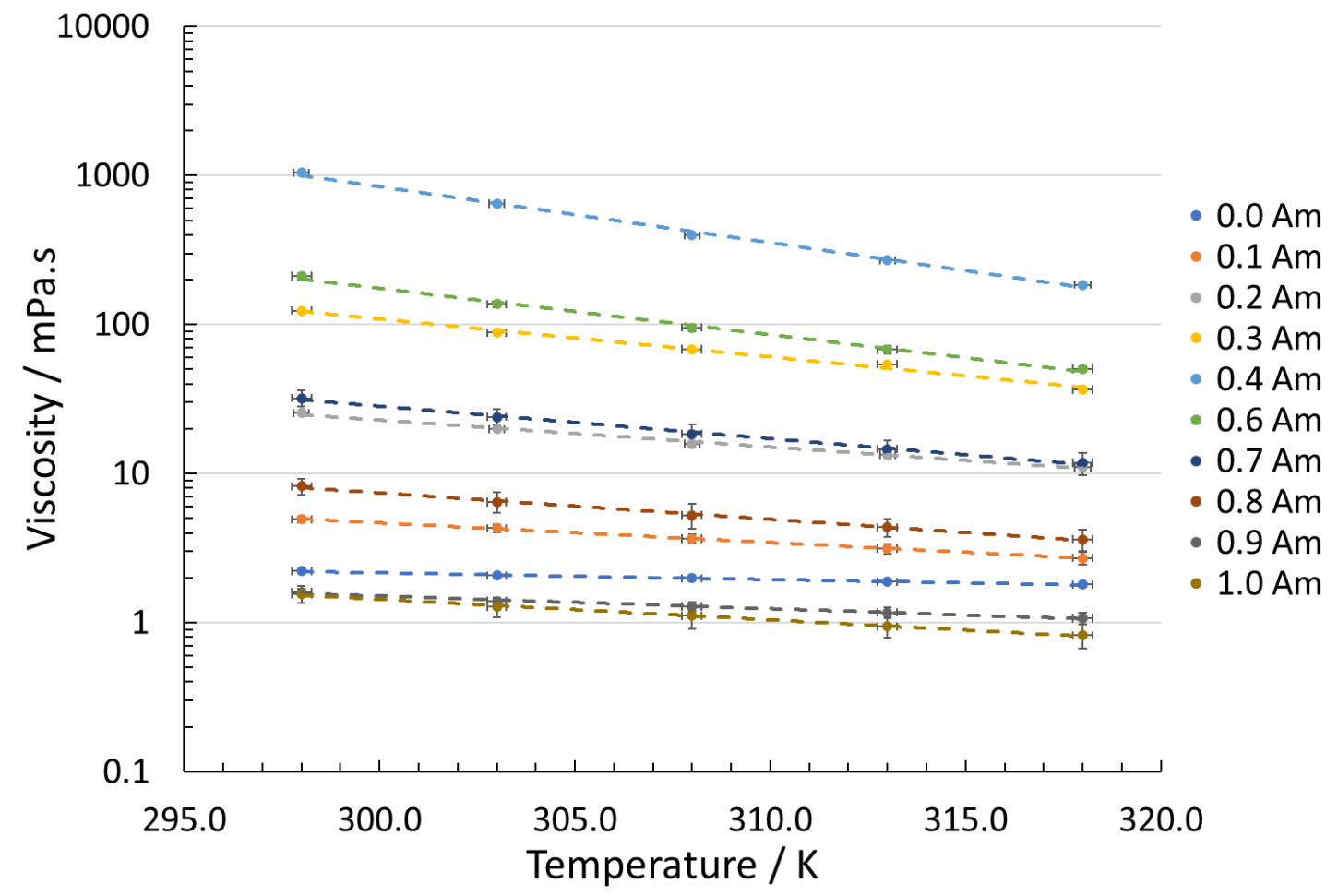


Supplementary information: Cellulose dissolution and regeneration using a non-aqueous, non-stoichiometric protic ionic liquid system

Viscosity data, binary mixtures of 1,1,3,3-tetramethylguanidine and Propionic acid



NMR Analysis of solvent mixtures subjected to 100°C heating for two hours (cellulose dissolution conditions)

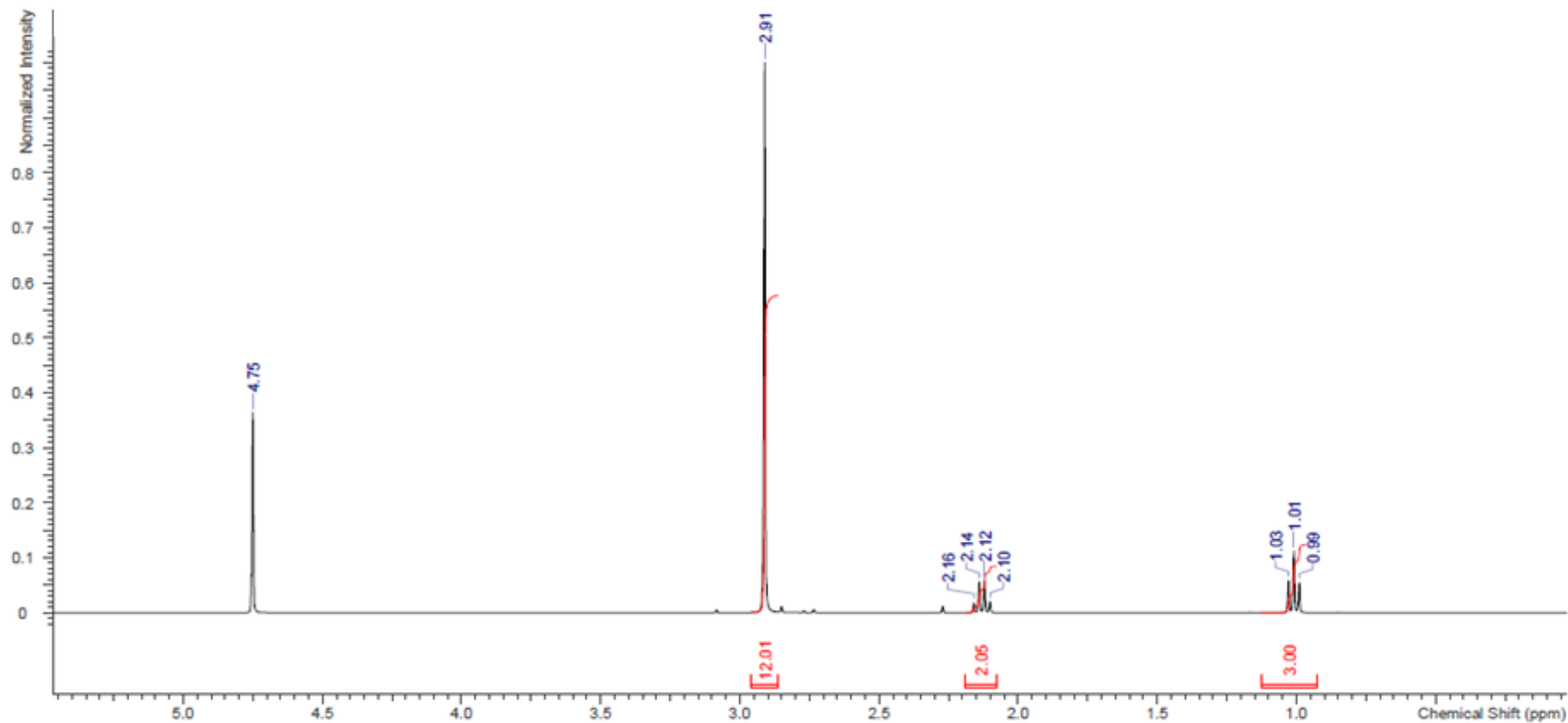


Figure S1: 50% TMG, before heating

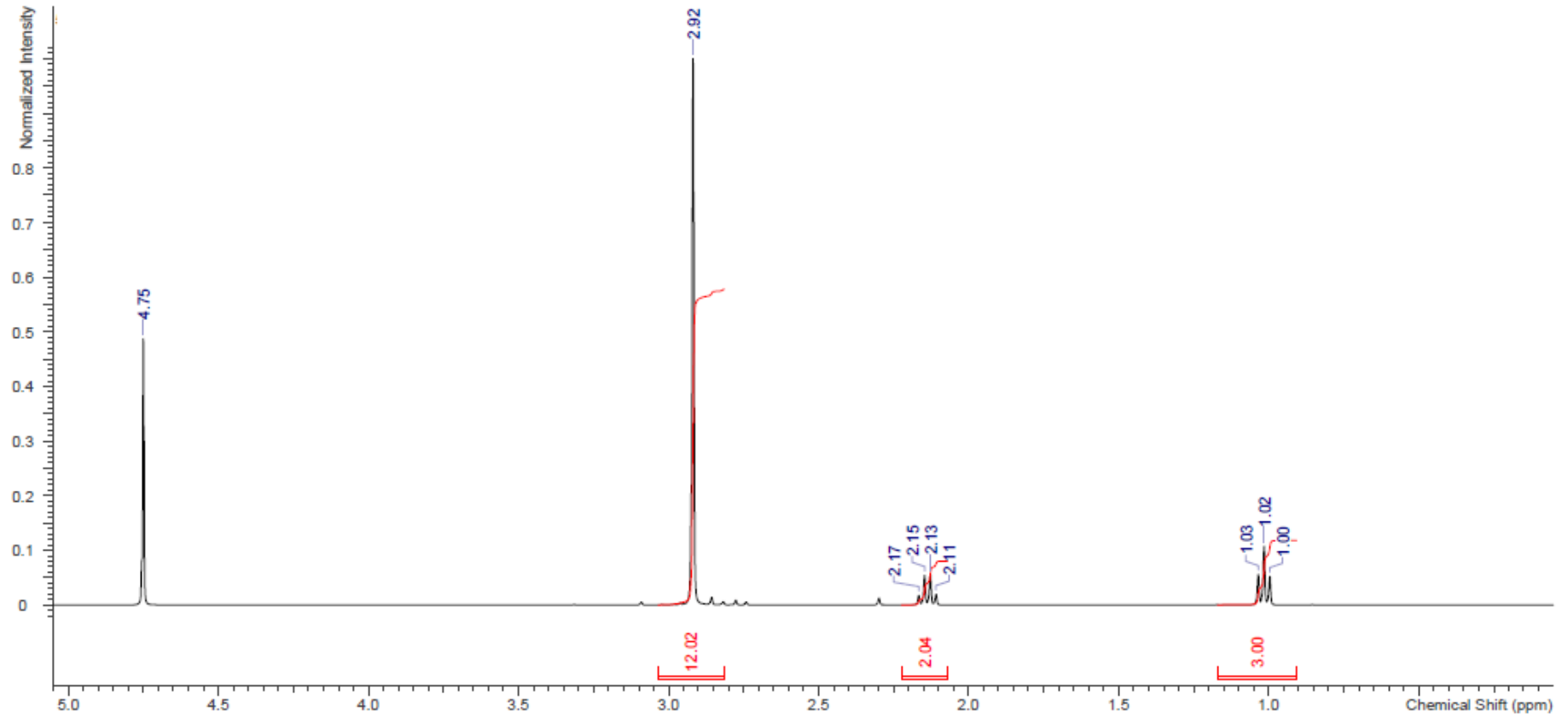


Figure S2: 50% TMG, after heating

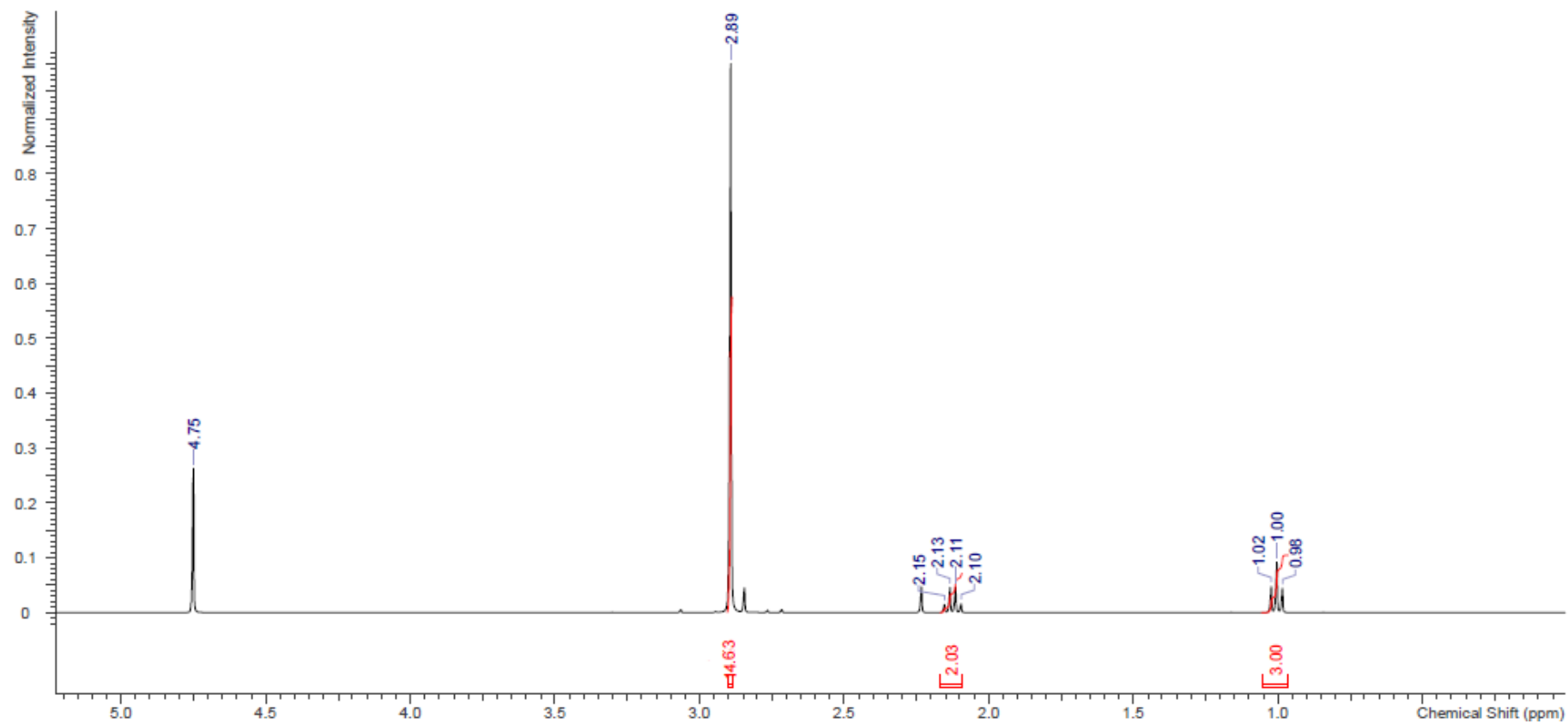


Fig S3: 55%, before heating

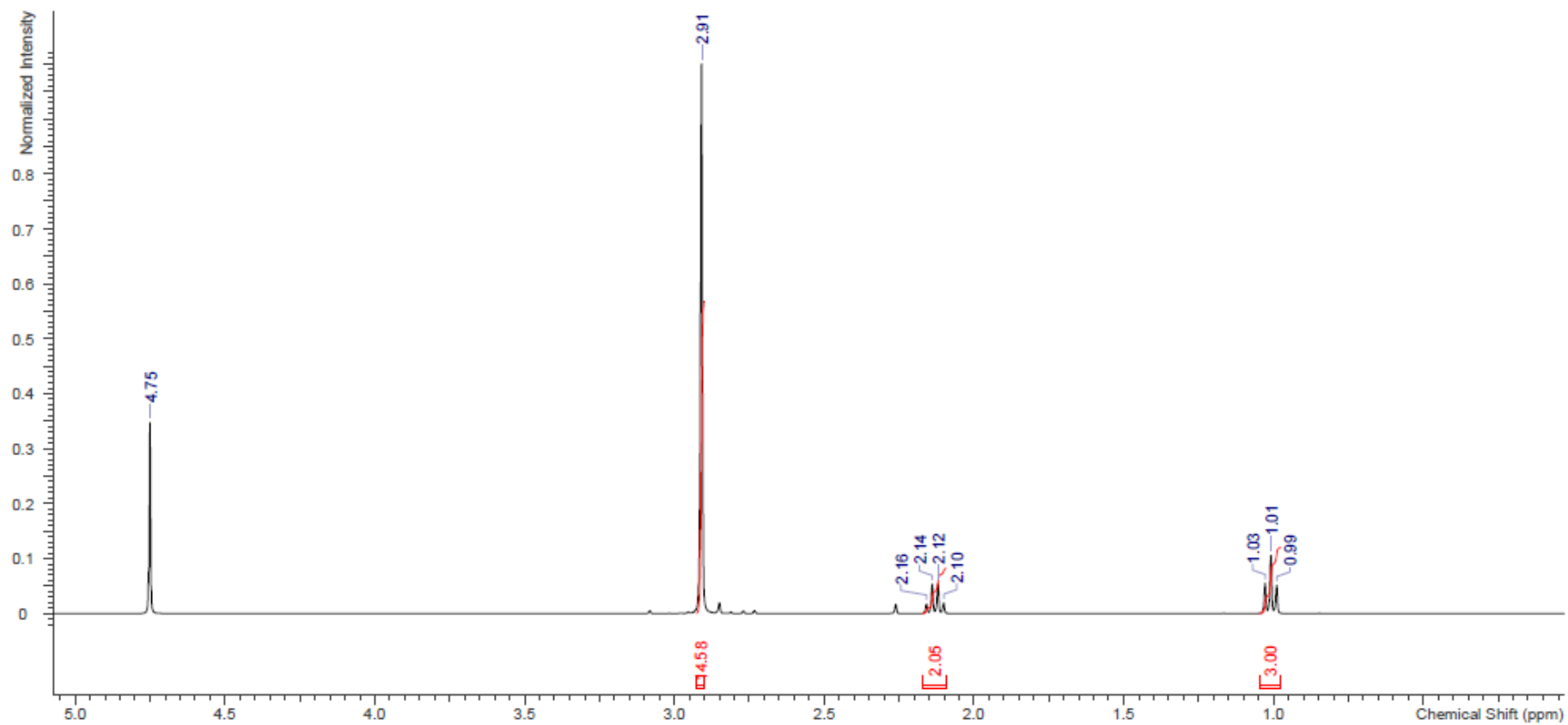


Fig S4: 55%, after heating

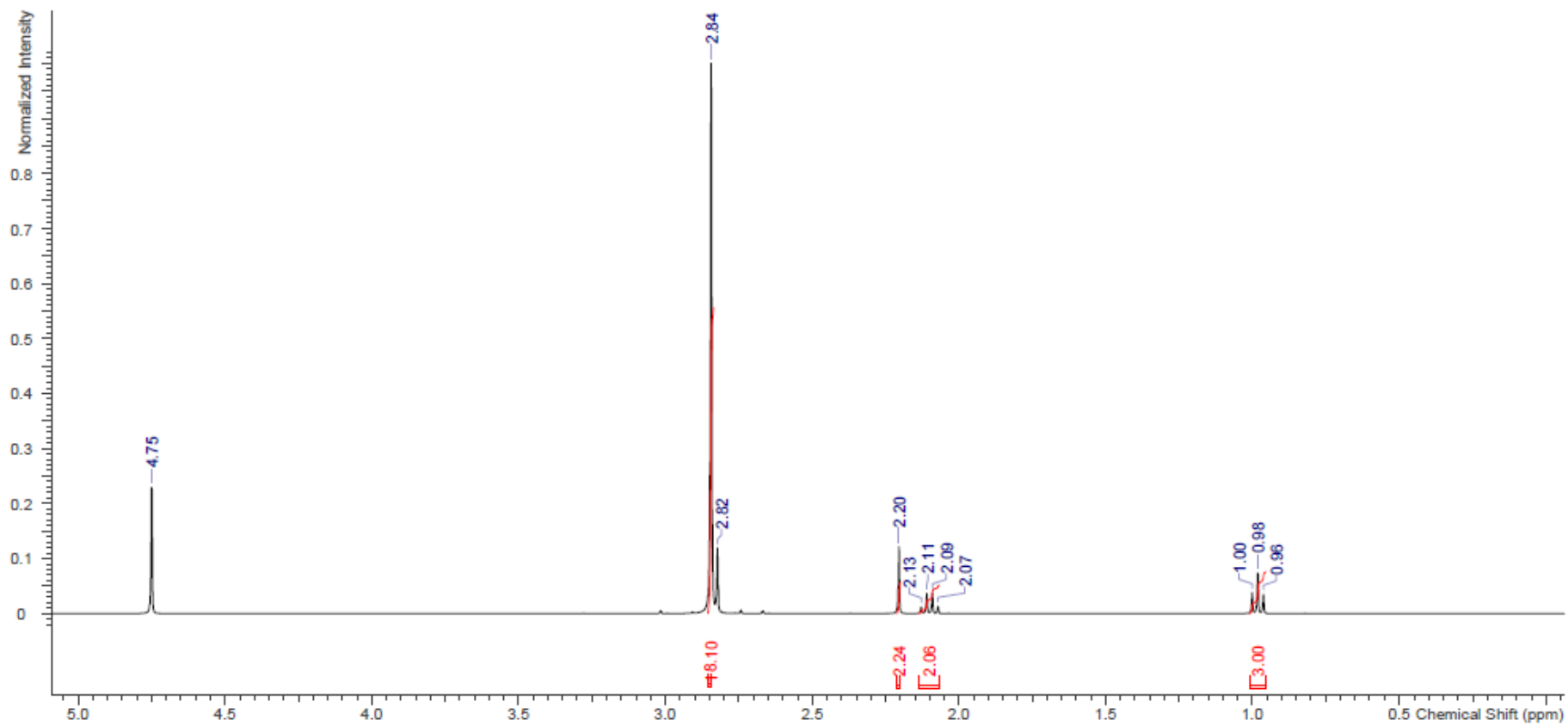


Fig S5: 60% TMG, before heating

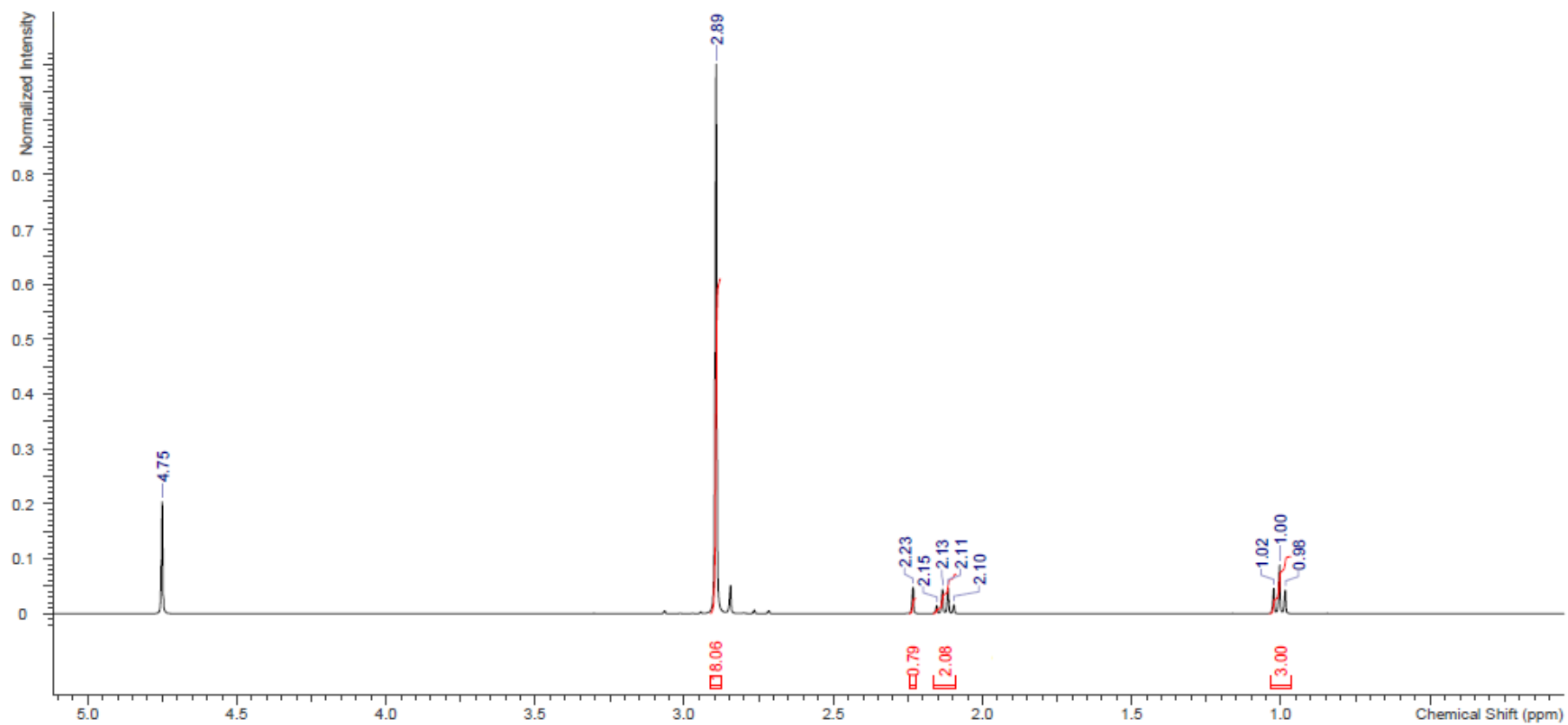


Fig S6: 60% TMG, after heating

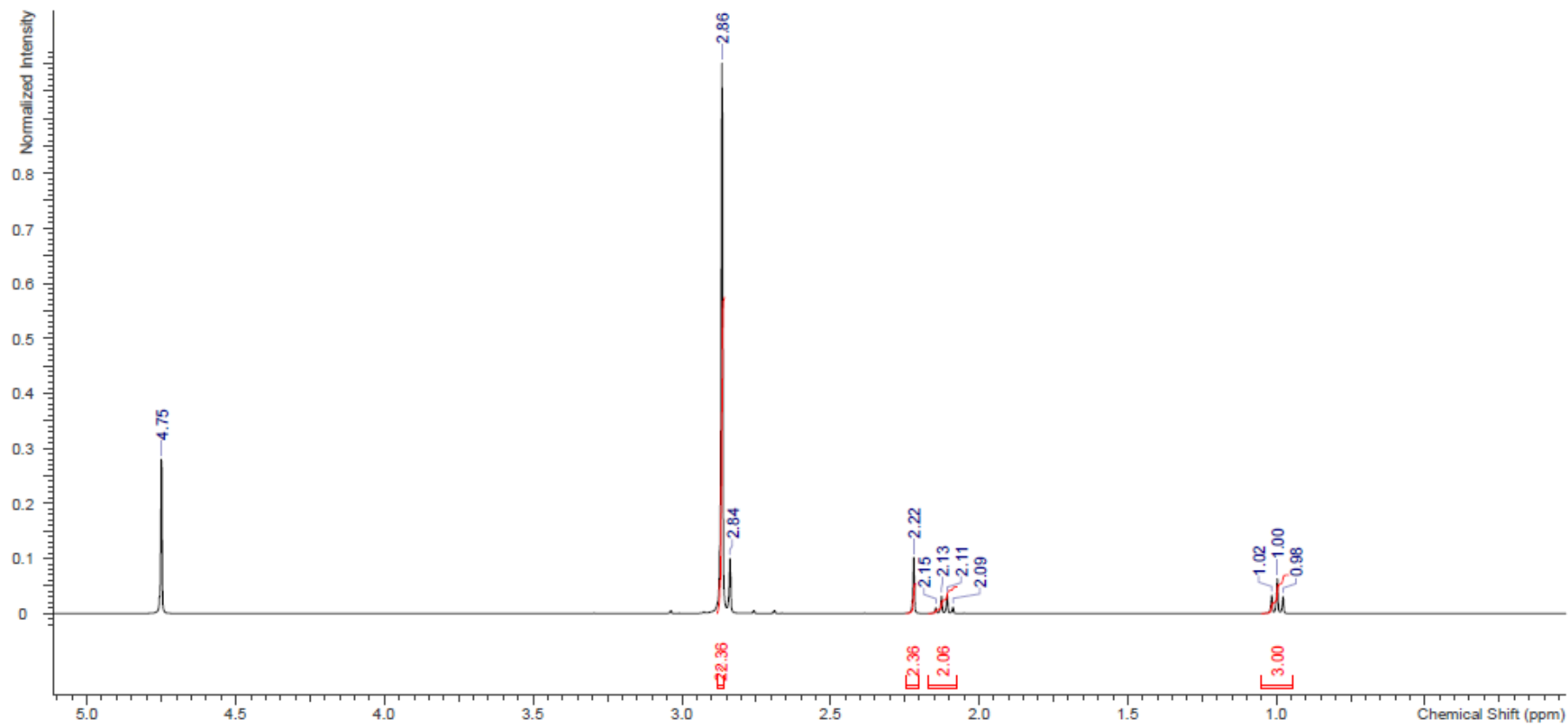


Fig S7: 65% TMG, before heating

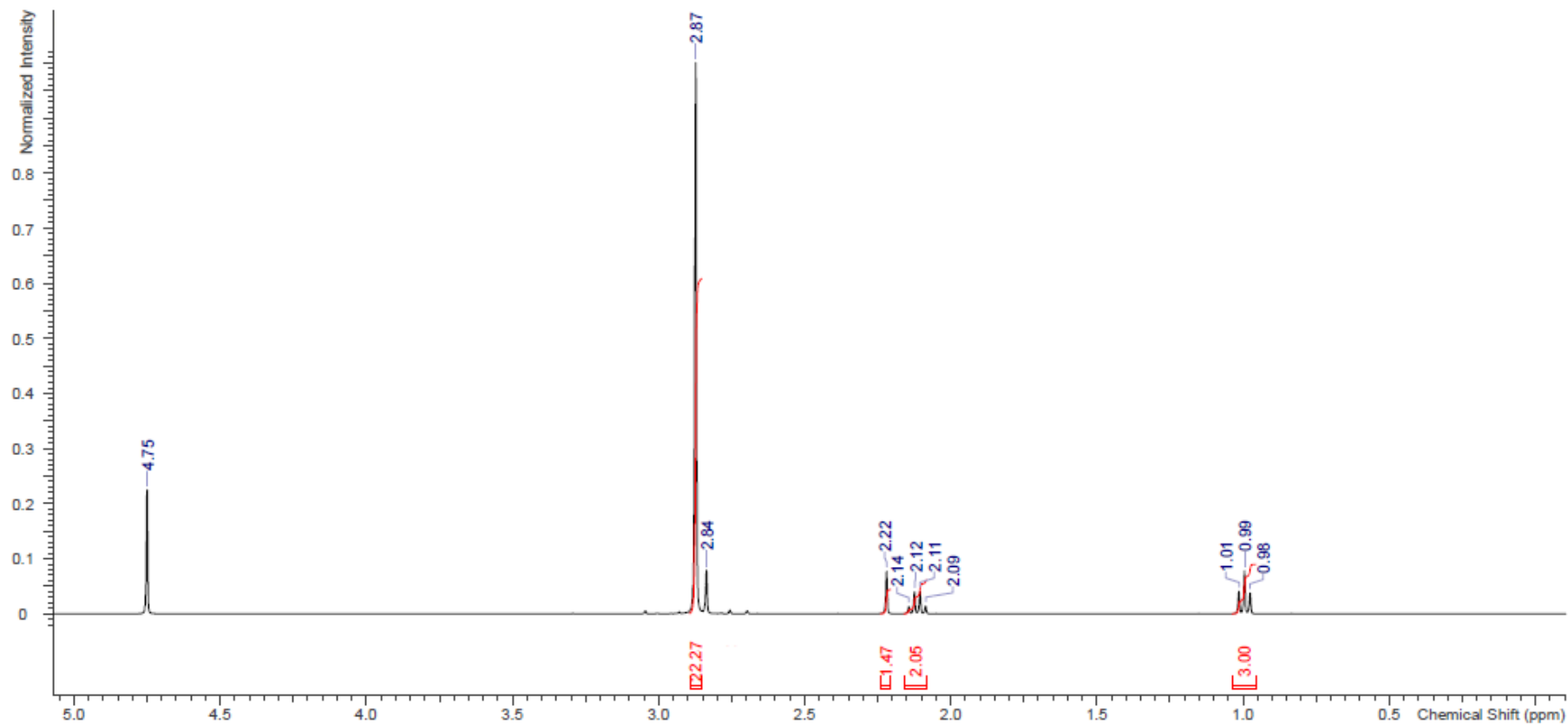
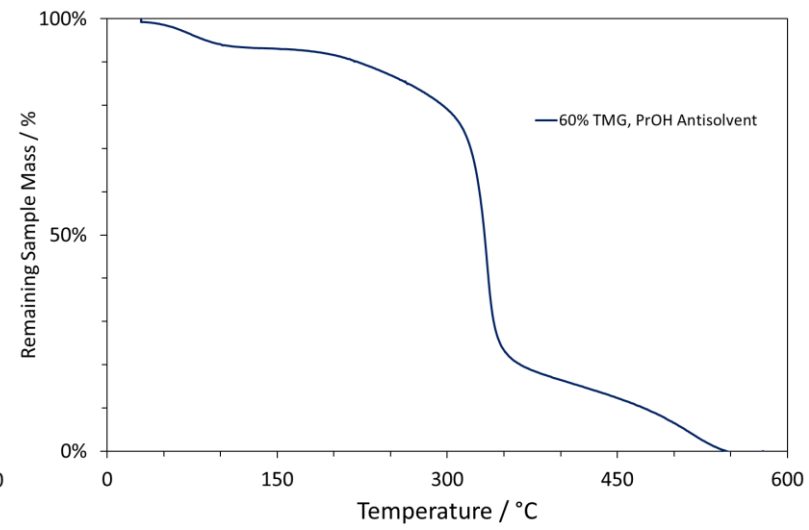
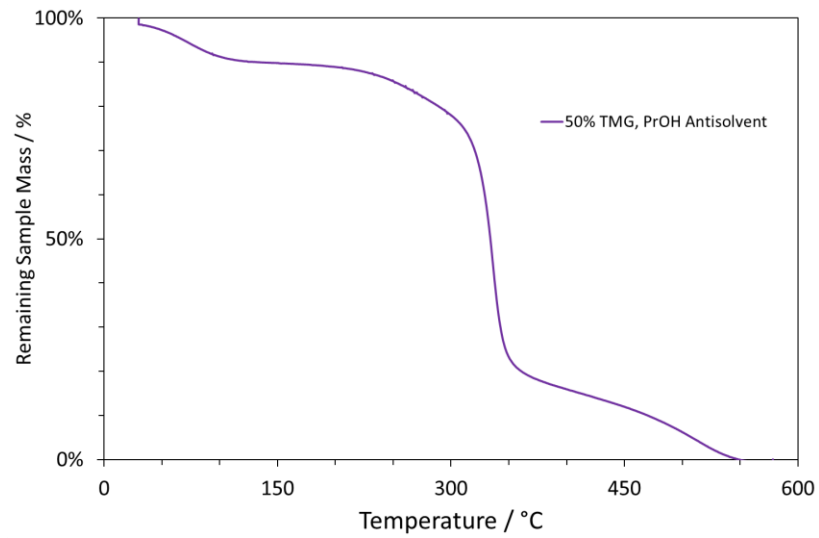
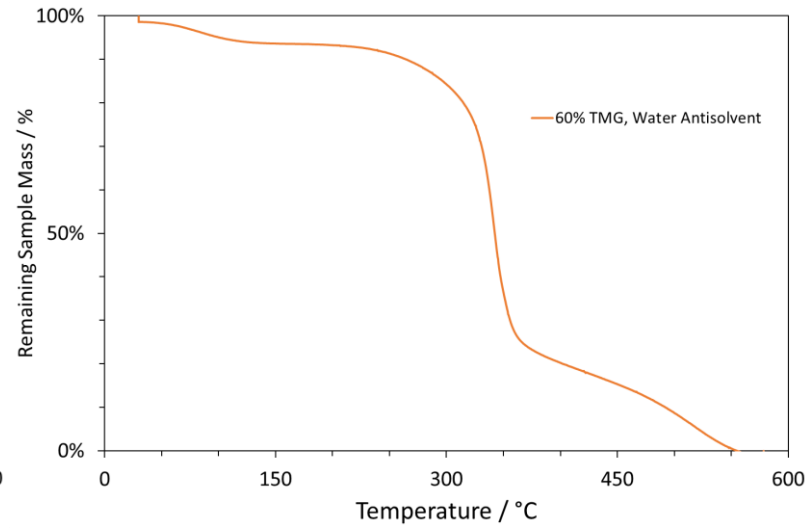
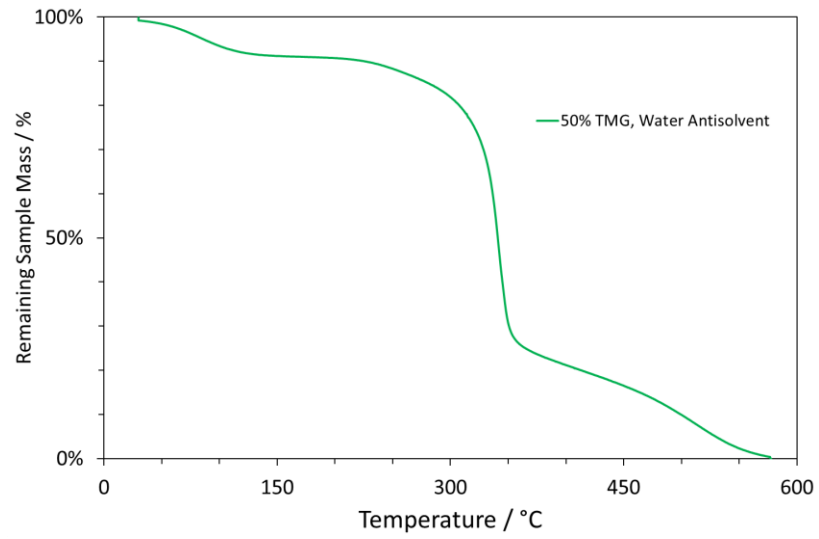
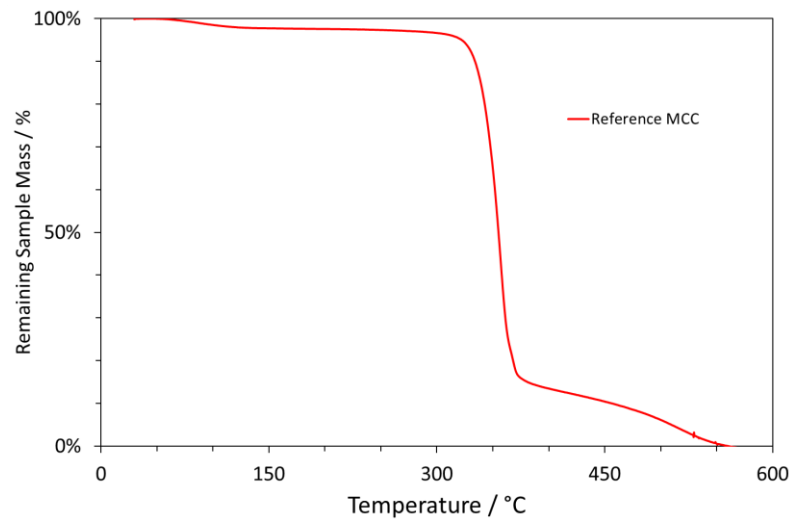


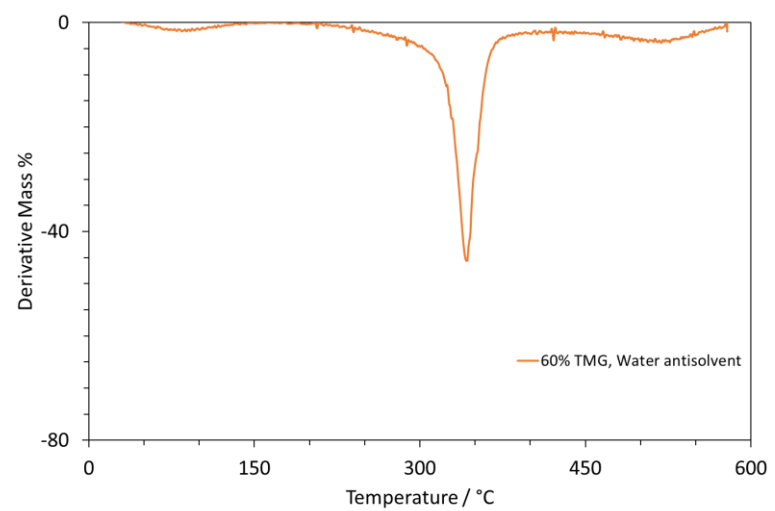
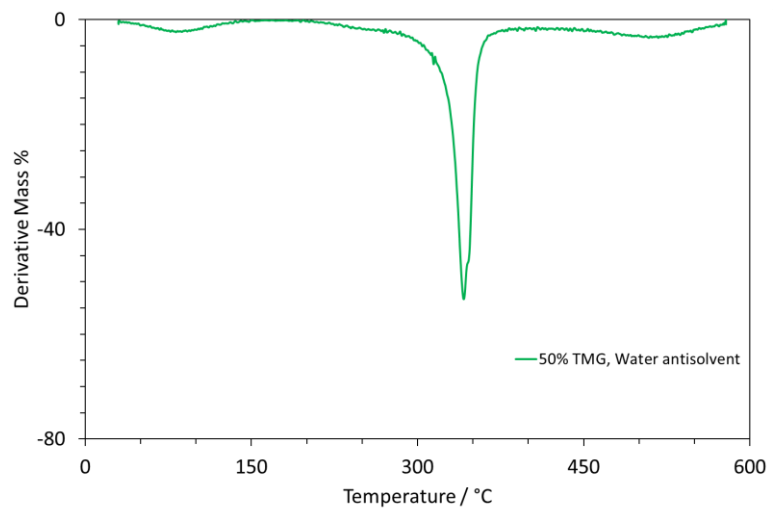
Fig S8: 65% TMG, after heating

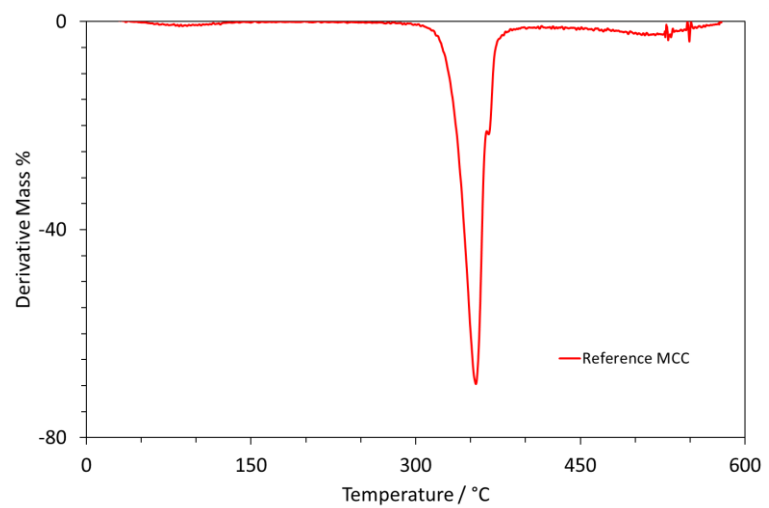
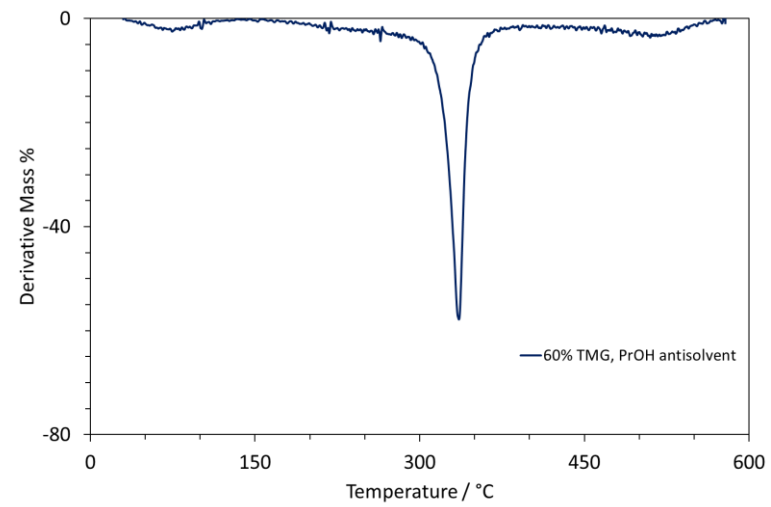
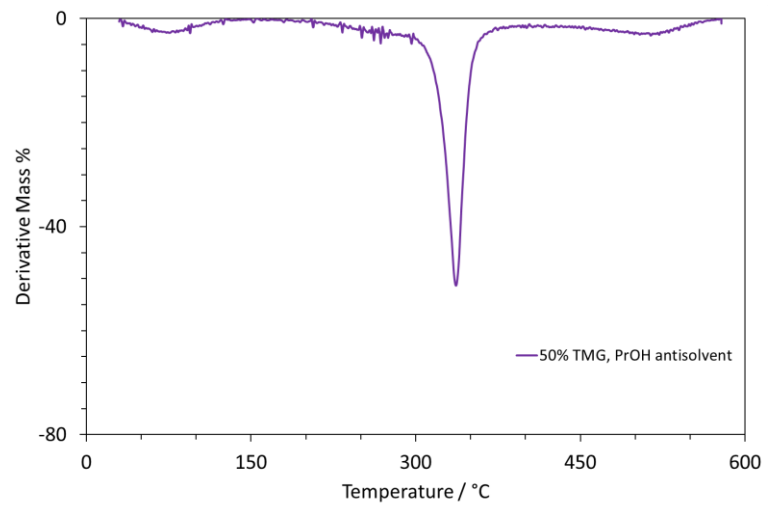
Thermogravimetric analysis data of regenerated cellulose samples





Differential thermogram data of regenerated cellulose samples





Infrared spectroscopy data of regenerated cellulose samples

