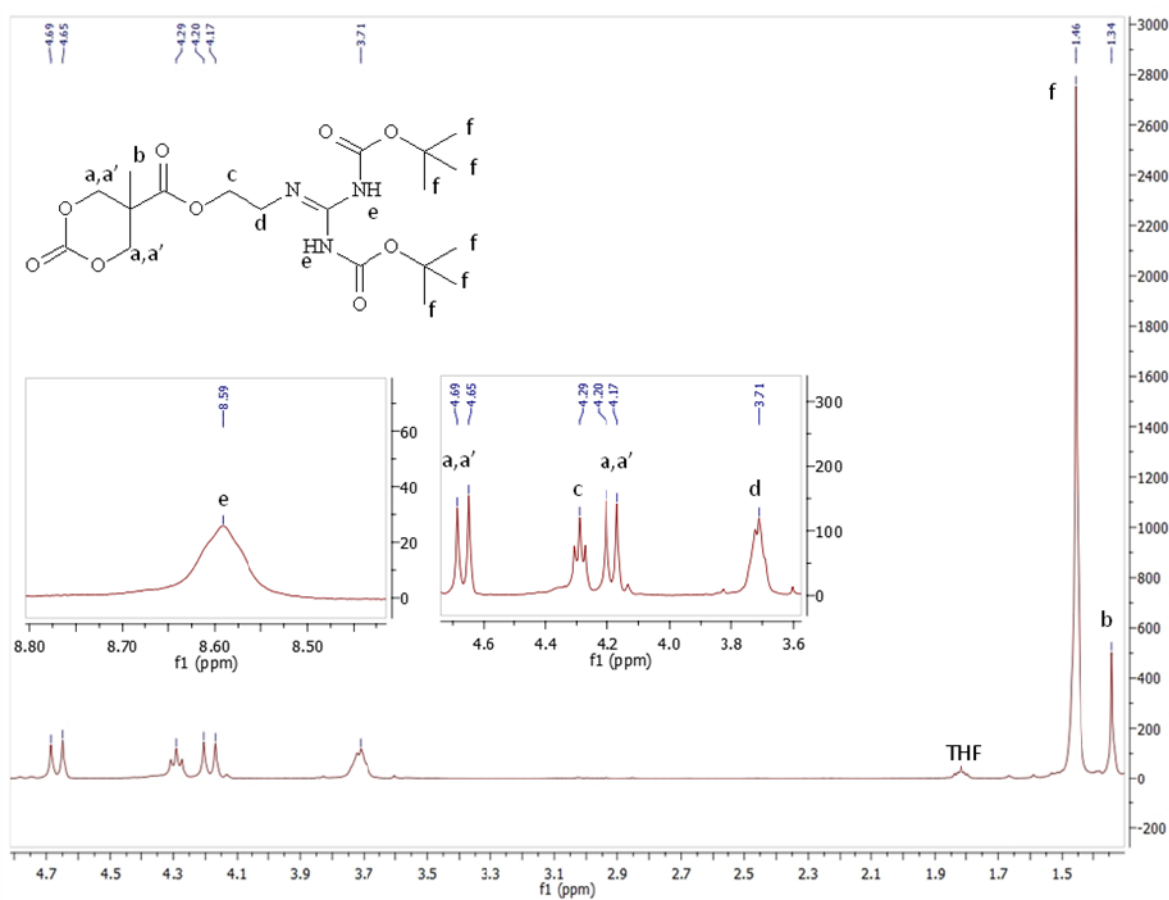


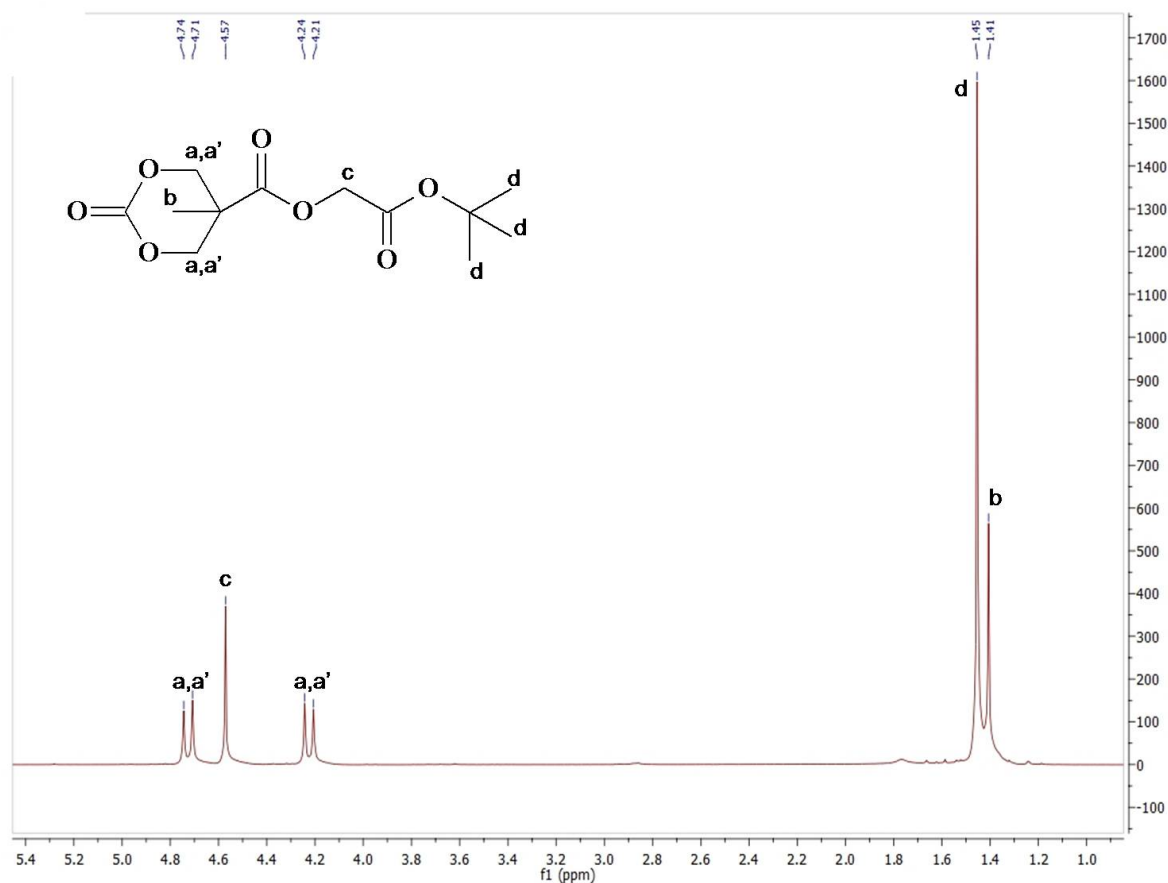
Guanidine-based polycarbonate hydrogels: from metal-free ring-opening polymerization to reversible self-assembling properties

Christophe Bartolini, Laetitia Mespouille,*
Ingrid Verbruggen, Rudolph Willem and Philippe Dubois

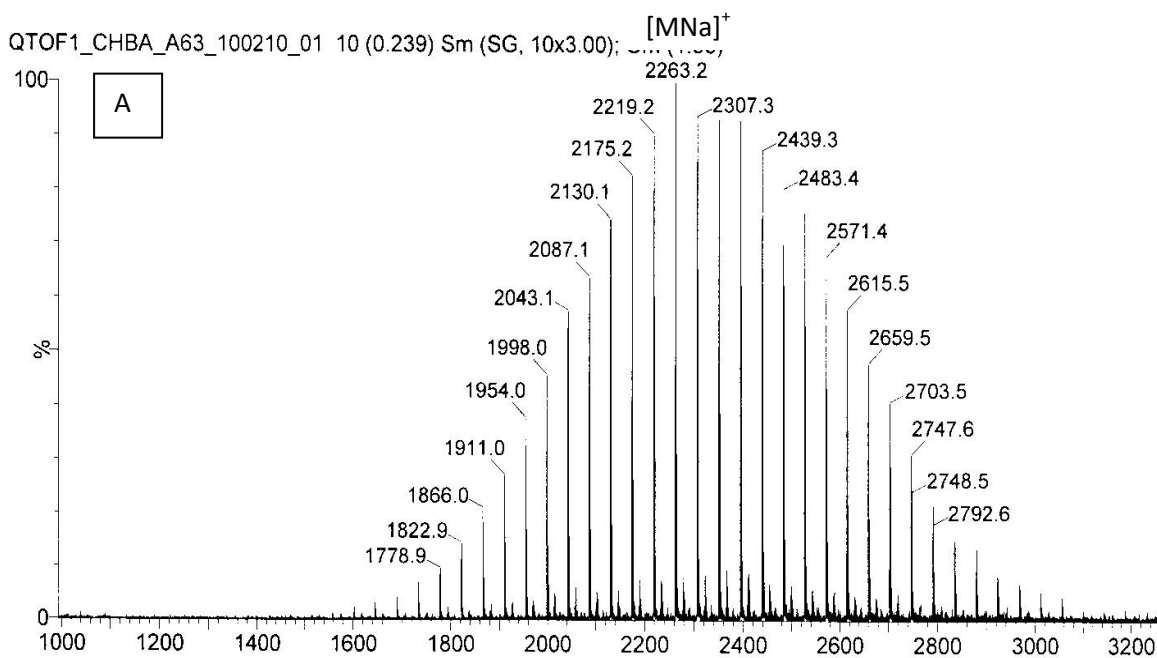
Electronic Supporting Information (ESI) (DOI : 10.1039/c1sm05581j)

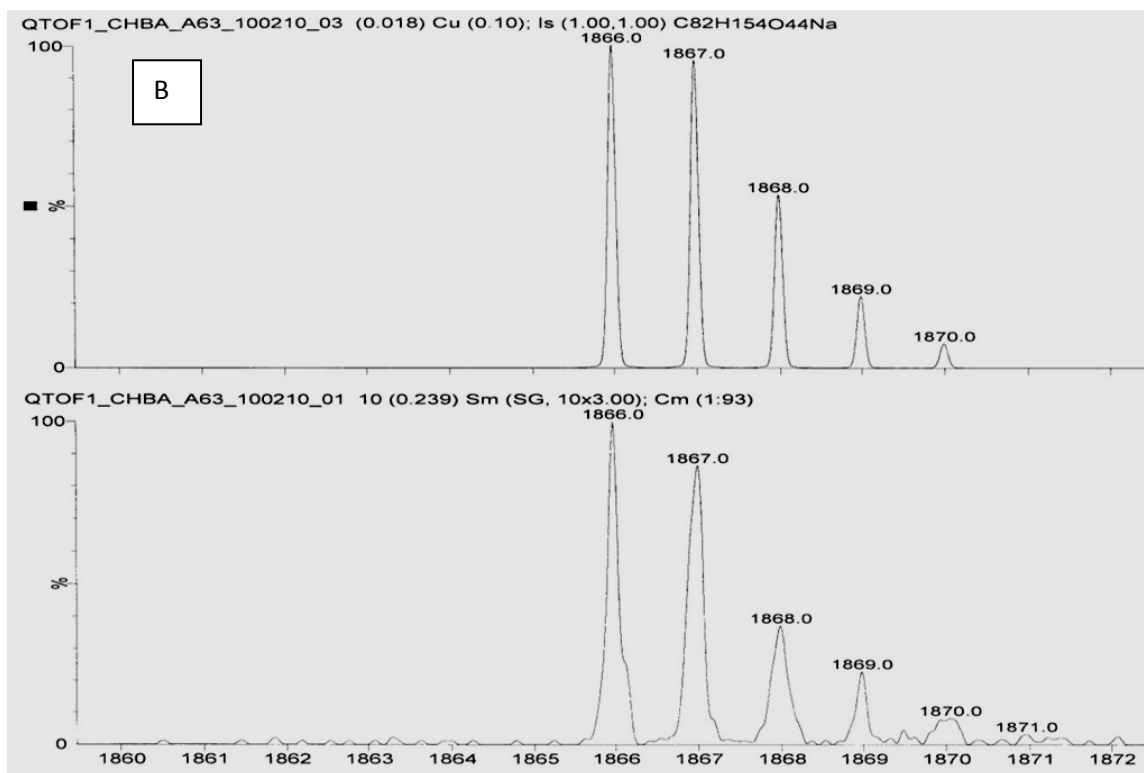


S1 : ^1H NMR spectrum of trimethylenecarbonate-5-methyl-5carboxyethylguanidine-1,3-tert-butylloxycarbonyl (MTCGuaBOC) **1** (300 MHz, CDCl_3)



S2 : ^1H NMR spectrum of trimethylenecarbonate-5-methyl-5-carboxy-tertbutylacetate (MTC-tBac) (MTC-tBac) **2** (300 MHz, CDCl_3)





S3: A) Mass distribution of poly(ethylene oxide)- α,ω -methylcarboxy trimethylene carbonate (MTC-PEO-MTC) obtained by MALDI-ToF; and B) comparison between theoretical isotopic mass (top) and experimental (bottom) distribution for m/z 1866.