Electronic Supplementary Materials

**2-hydroxy-3-(1-(4-vinylbenzyl)imidazol-3-ium-3-yl)propane-1-sulfonate and 3-(4-vinylbenzyl)dimethylammonio)-2-hydroxypropane-1-sulfonate as new zwitterionic monomers**

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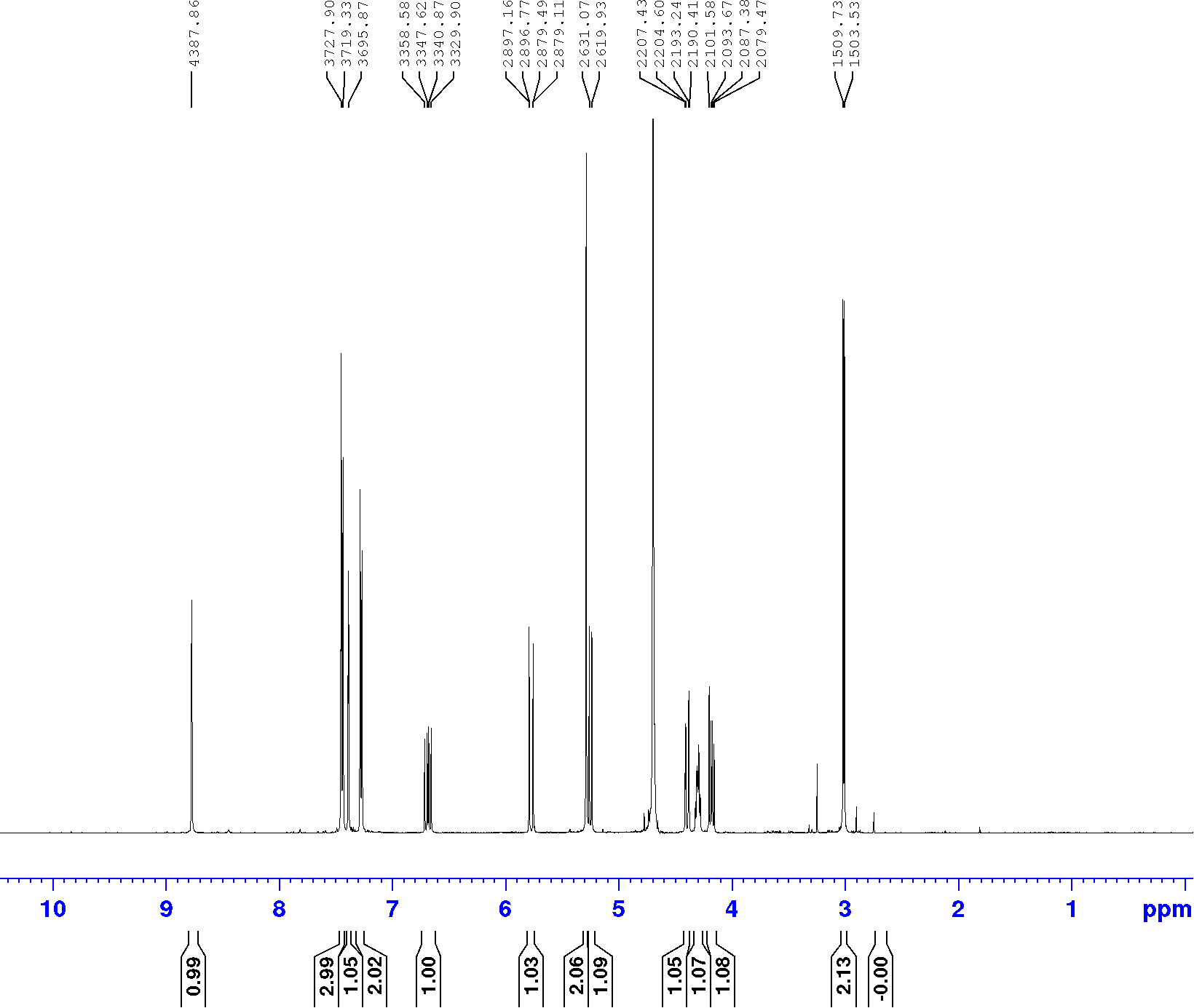
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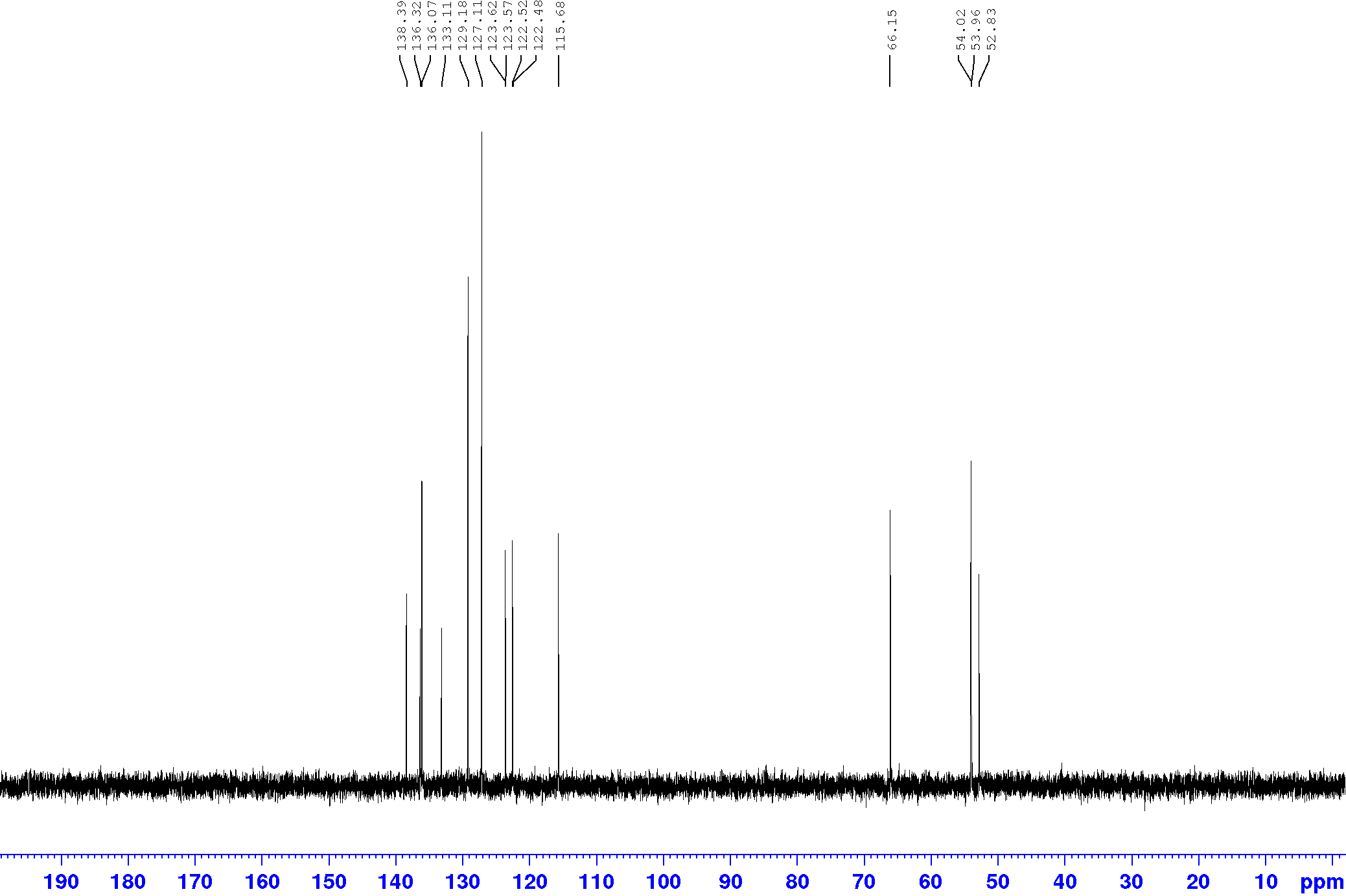
NMR spectra of compounds 2 and 4 (S1-S4) 2

IR spectrum of compound 2 and 4 (S5, S6) 4

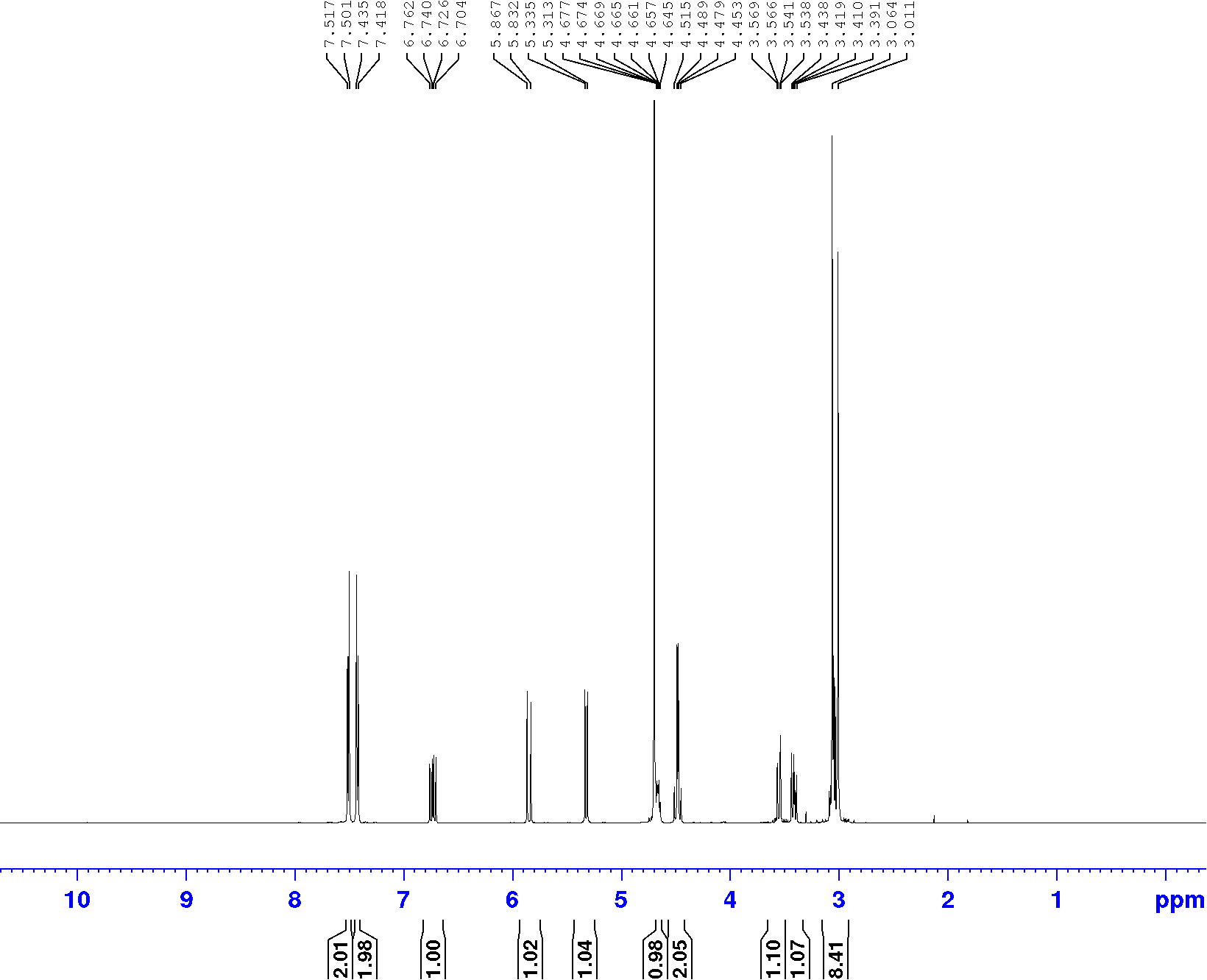
TGA curve of compound 2 5

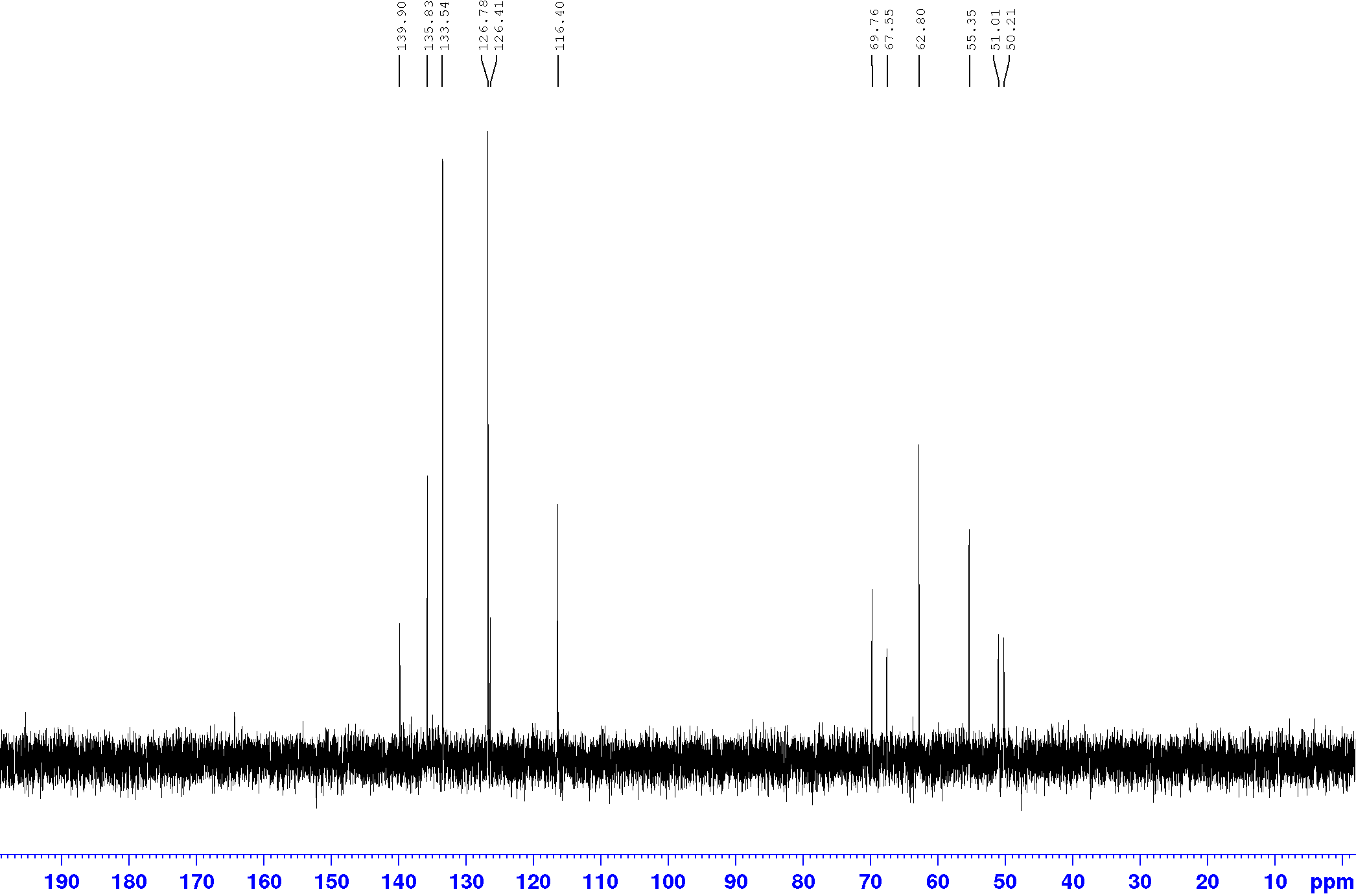


S1: 1H NMR spectrum of monomer **2** recorded in D2O.

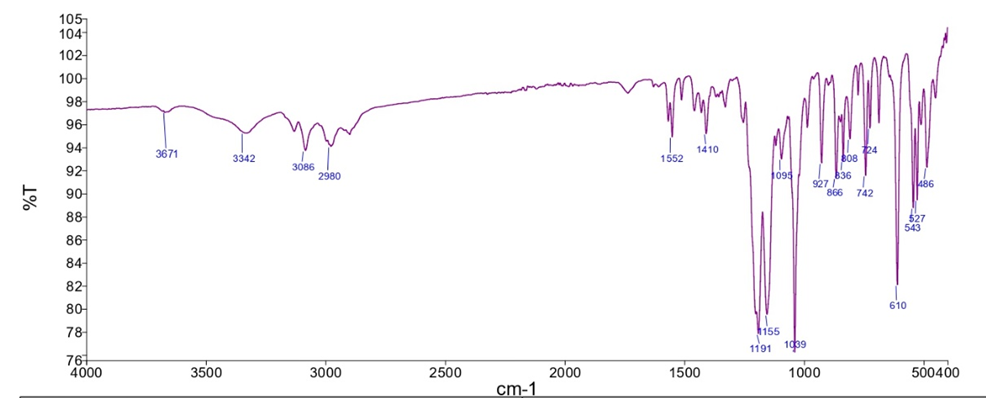
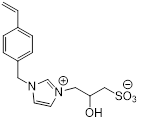


S2: 13C NMR spectrum of monomer **2** recorded in D2O.

S3: 1H NMR spectrum of monomer 4 recorded in D2O.



S4: 13C NMR spectrum of monomer **4** recorded in D2O.



S5: FTIR spectrum of monomer **2**

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S6: FTIR spectrum of monomer **4**

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S7: Thermogravimetric analysis (TGA) and derivative thermogravimetric curves of monomer **2**