

† Electronic supplementary information (ESI):

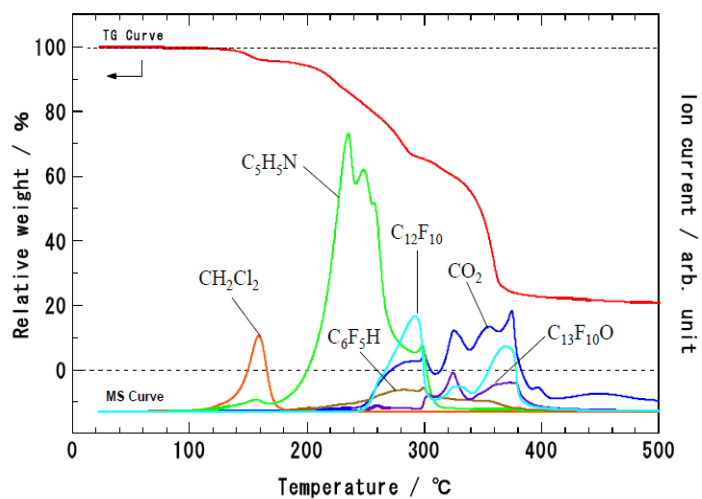


Fig. S1. TG-MS spectrum of **1**.

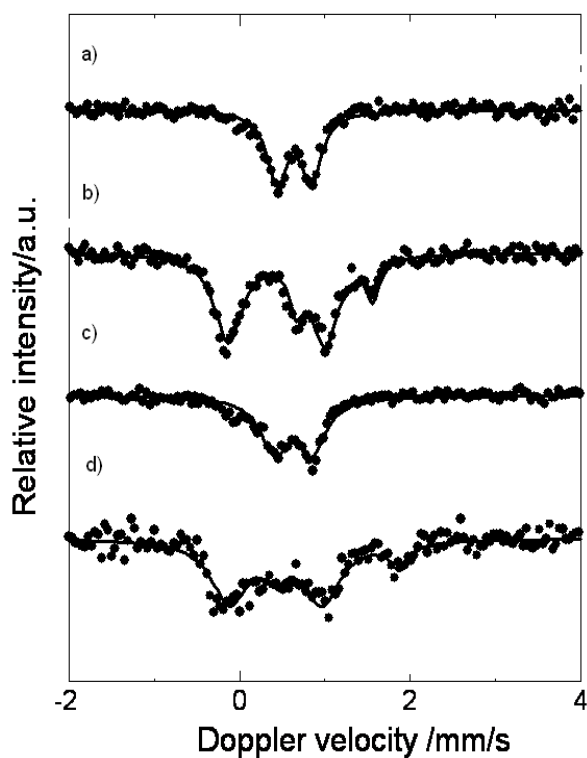


Fig. S2.  $^{57}\text{Fe}$  Mössbauer spectral study on adduct loss/addition cycles; a) chemically synthesized **1**; b)  $\text{CH}_2\text{Cl}_2$ -stripped **2** by heating **1** under a reduced pressure described in the text; c) product after exposure of **2** with  $\text{CH}_3\text{CN}$  vapour for 4 hr; d) product after heating the sample **2**· $\text{CH}_3\text{CN}$  (Fig. S2c) at  $135^\circ\text{C}$  under a reduced pressure (0.1 Torr).