



# Supplementary material: Indium catalysed ring-opening of 2-hydroxybutyrolactone through the cleavage of C(sp<sup>3</sup>)-O bond

Sameh Aoun<sup>a</sup>, Joe Massouh<sup>a</sup>, Noémie Scornet<sup>a</sup>, Laurent Giordano<sup>a</sup>,  
Alphonse Tenaglia<sup>a</sup>, Gérard Buono<sup>® a</sup>, Patrick Rey<sup>b</sup>, Virginie Bellière-Baca<sup>\*, b</sup>  
and Damien Héroult<sup>® \*, a</sup>

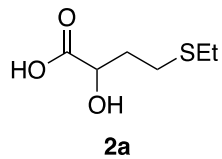
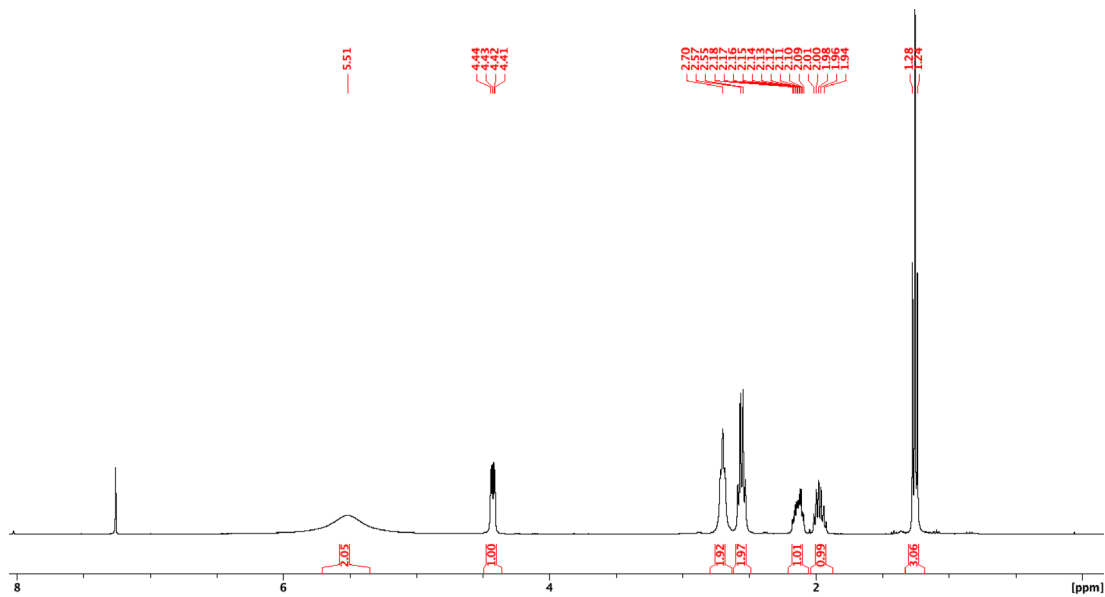
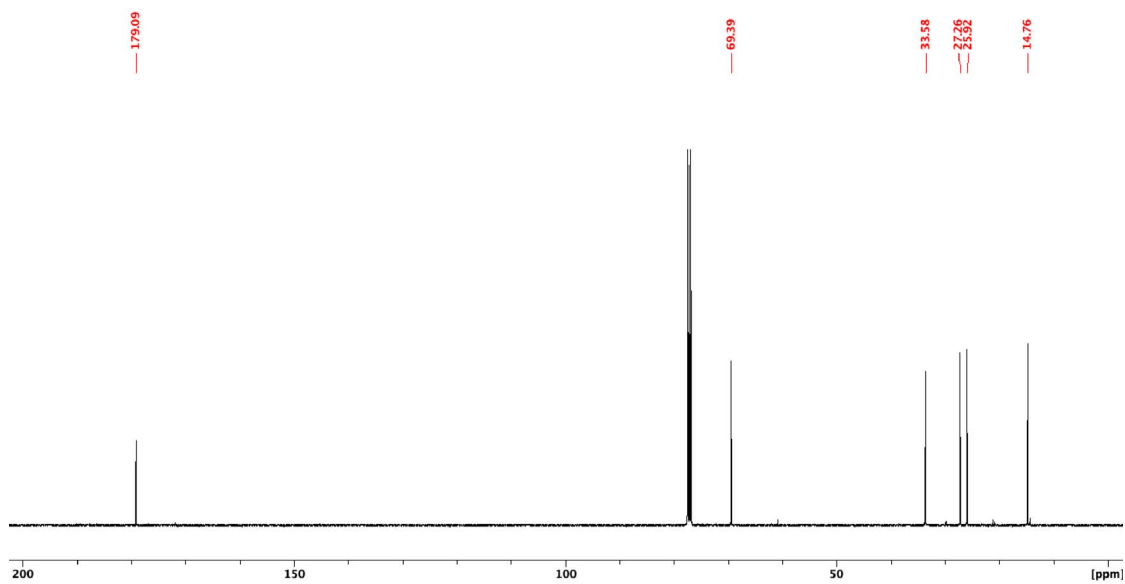
<sup>a</sup> Aix Marseille Univ, CNRS, Centrale Marseille, iSm2, Marseille, France

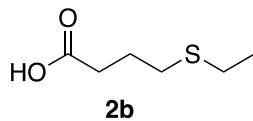
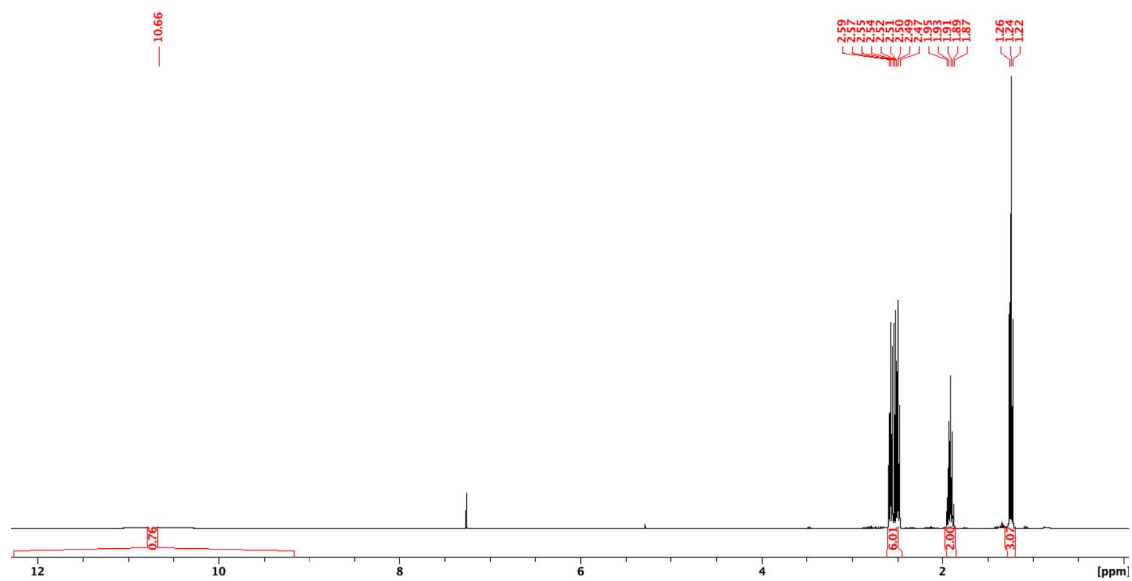
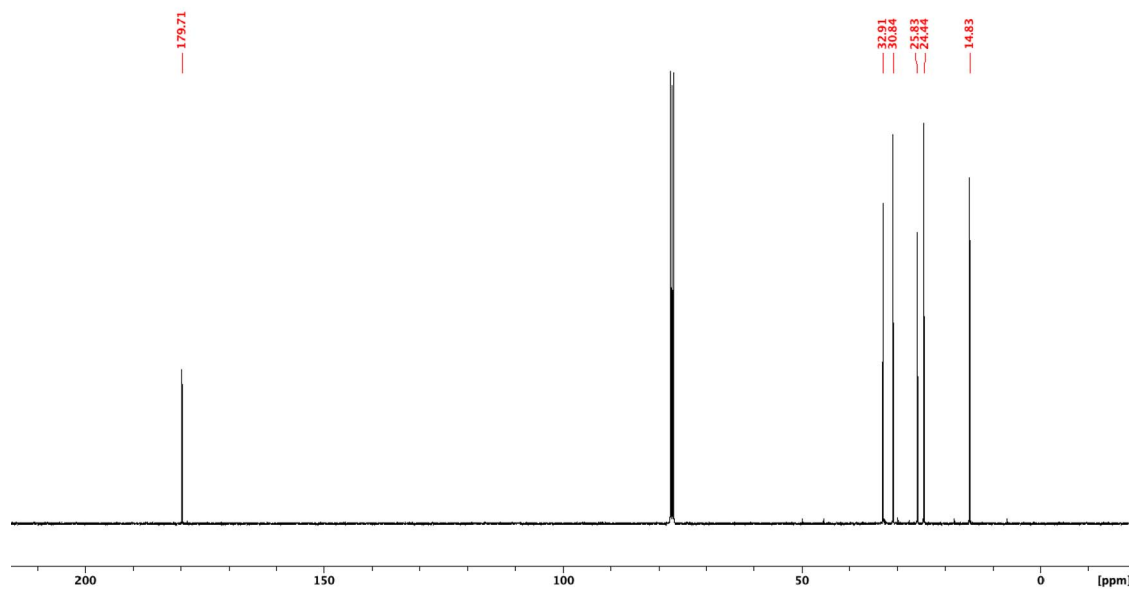
<sup>b</sup> Adisseo France SAS, Antony Parc 2, 10 Place du Général de Gaulle, 92160 Antony, France

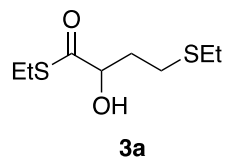
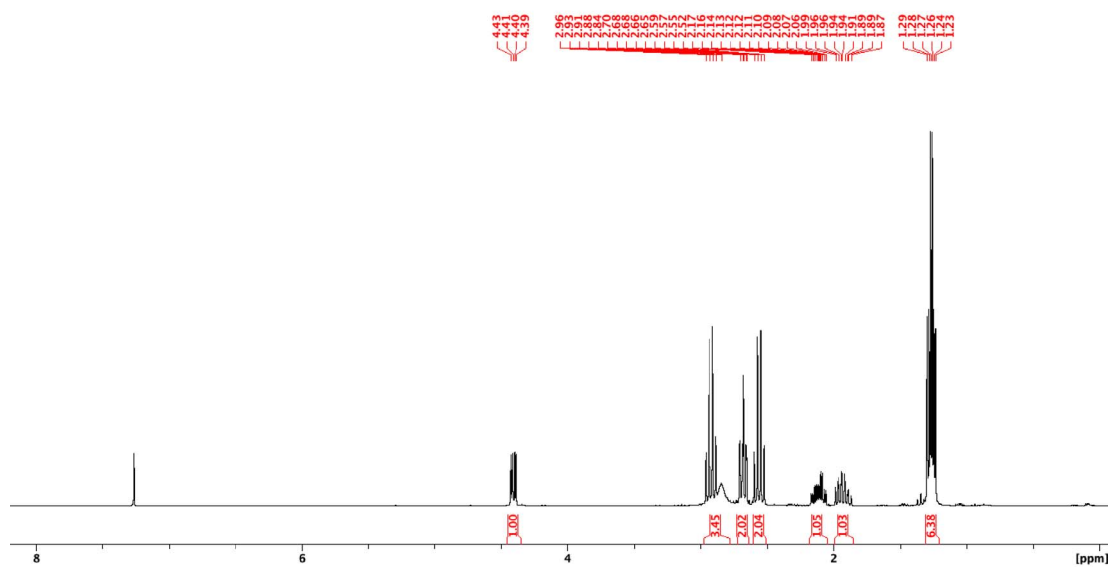
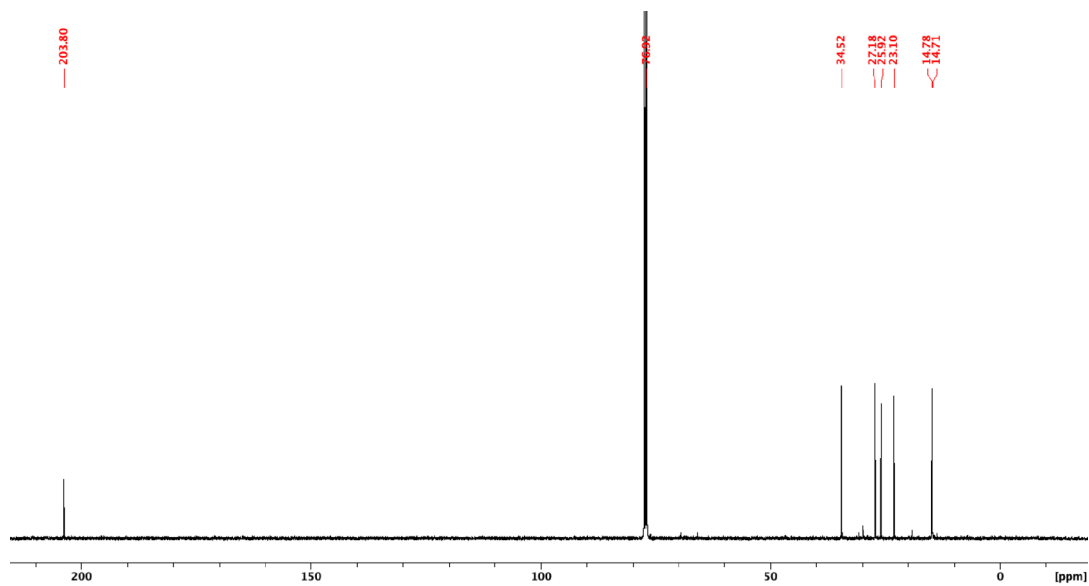
*E-mails:* sameh.aoun@gmail.com (S. Aoun), joe.massouh@centrale-marseille.fr (J. Massouh), noemie.scornet@gmail.com (N. Scornet), laurent.giordano@centrale-marseille.fr (L. Giordano), tenaglia.alfonso@orange.fr (A. Tenaglia), gerard.buono@centrale-marseille.fr (G. Buono), Patrick.Rey@adisseo.com (P. Rey), virginie.belliere-baca@adisseo.com (V. Bellière-Baca), damien.herault@centrale-marseille.fr (D. Héroult)

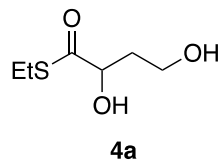
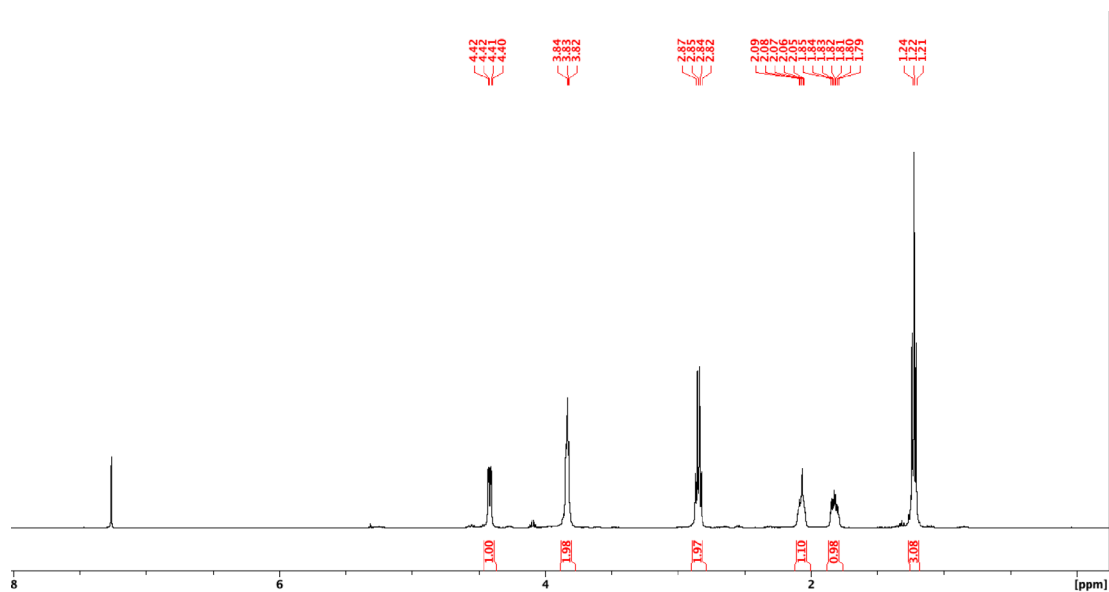
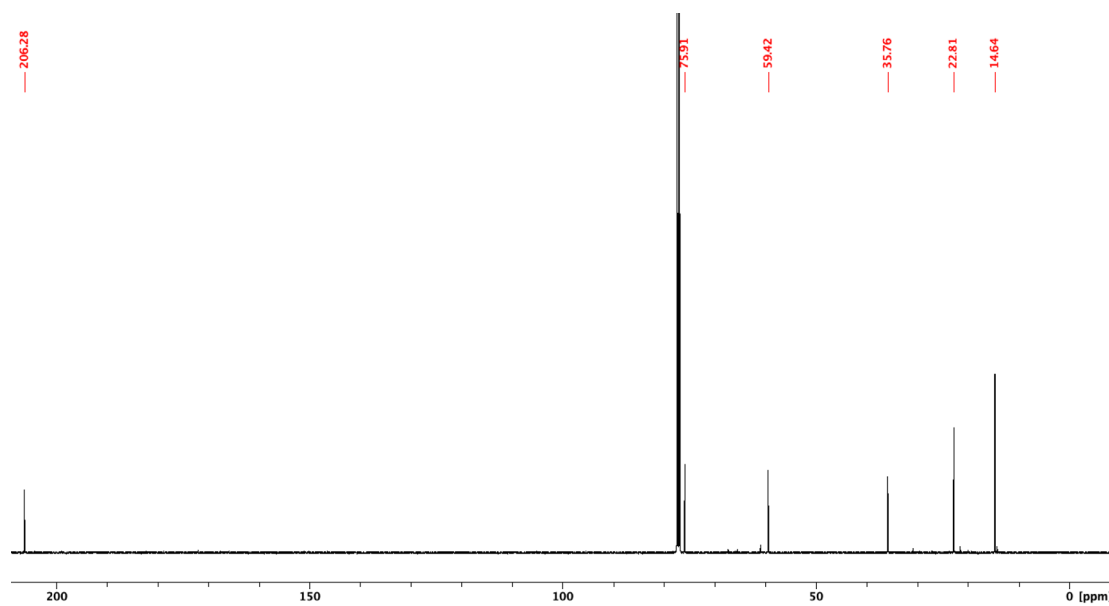
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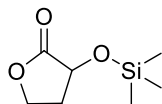
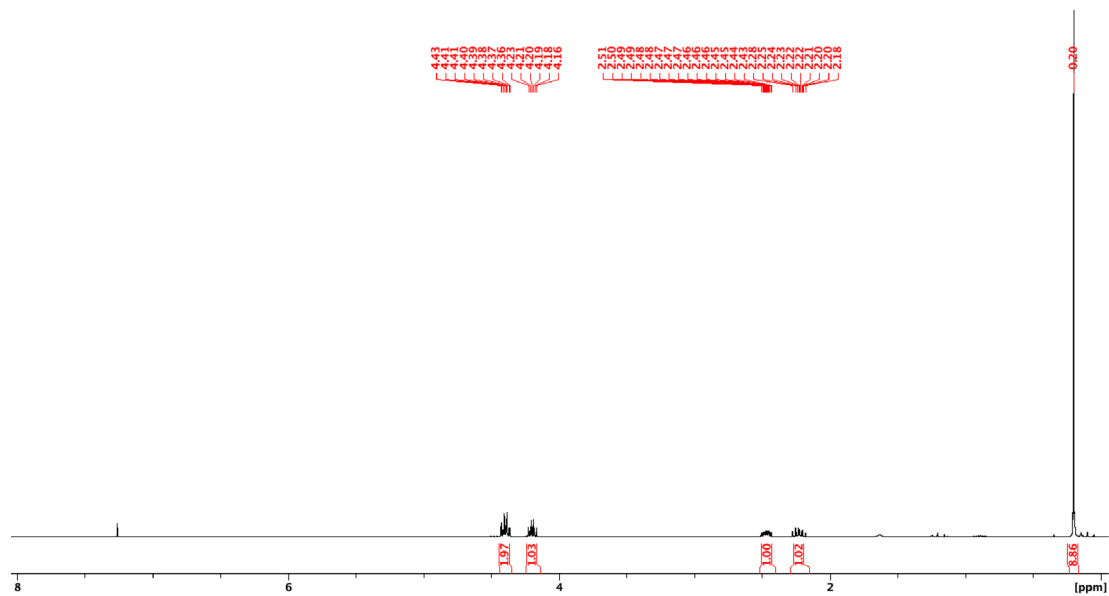
\* Corresponding authors.

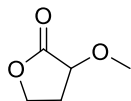
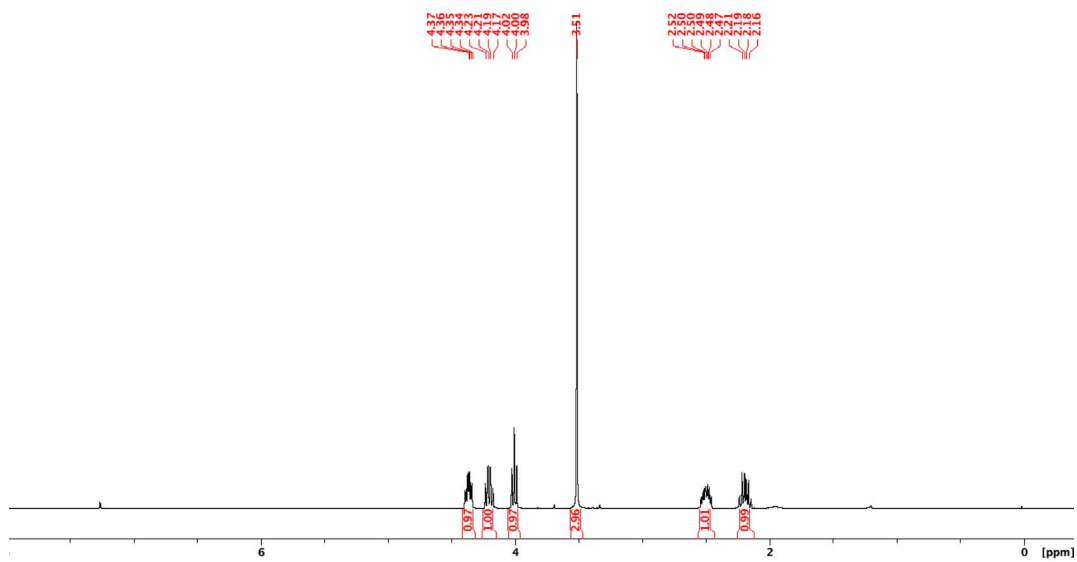
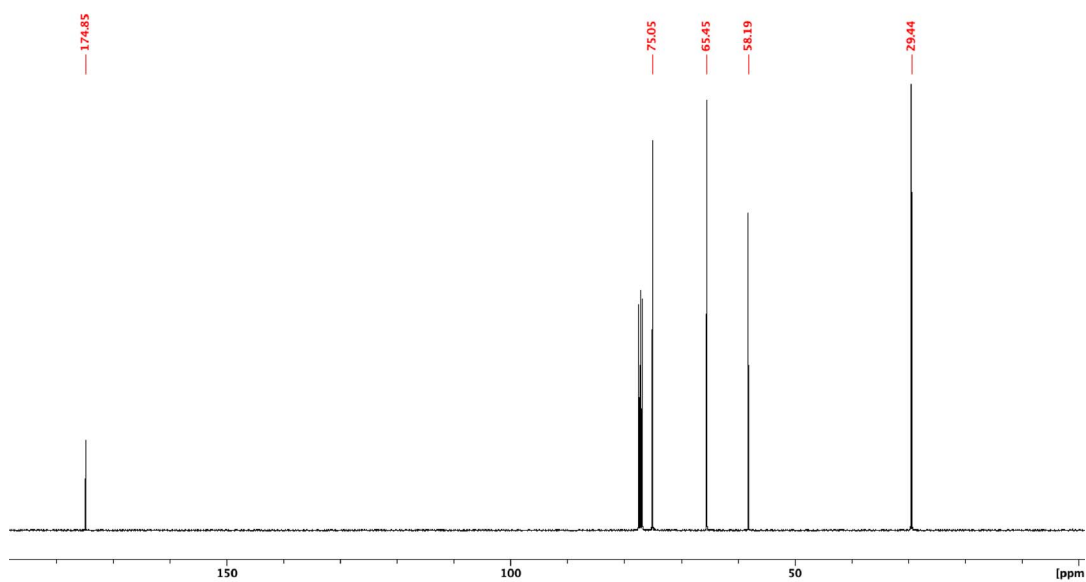
**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 2a** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**

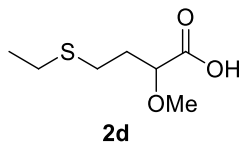
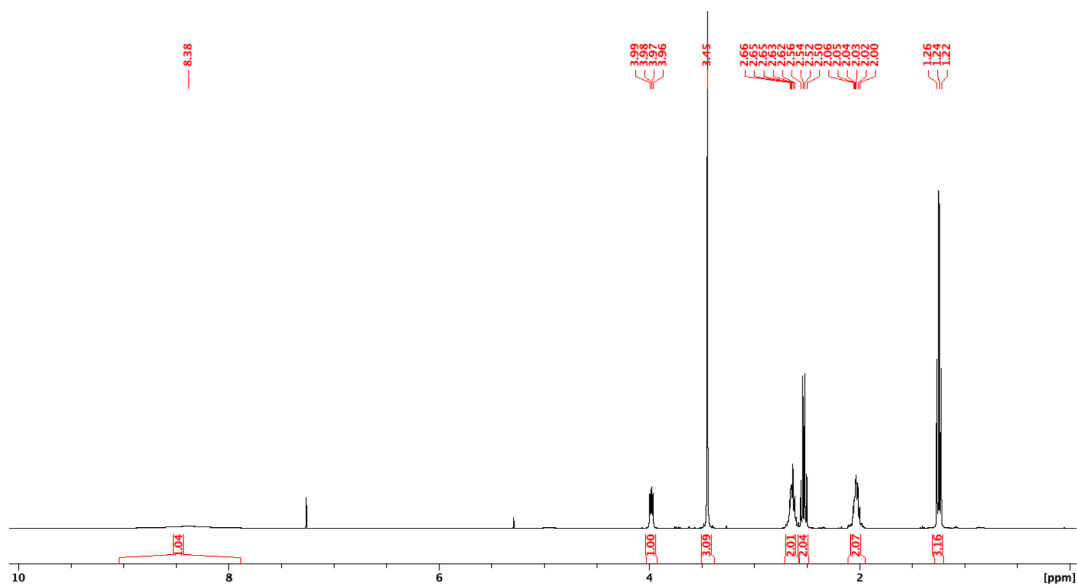
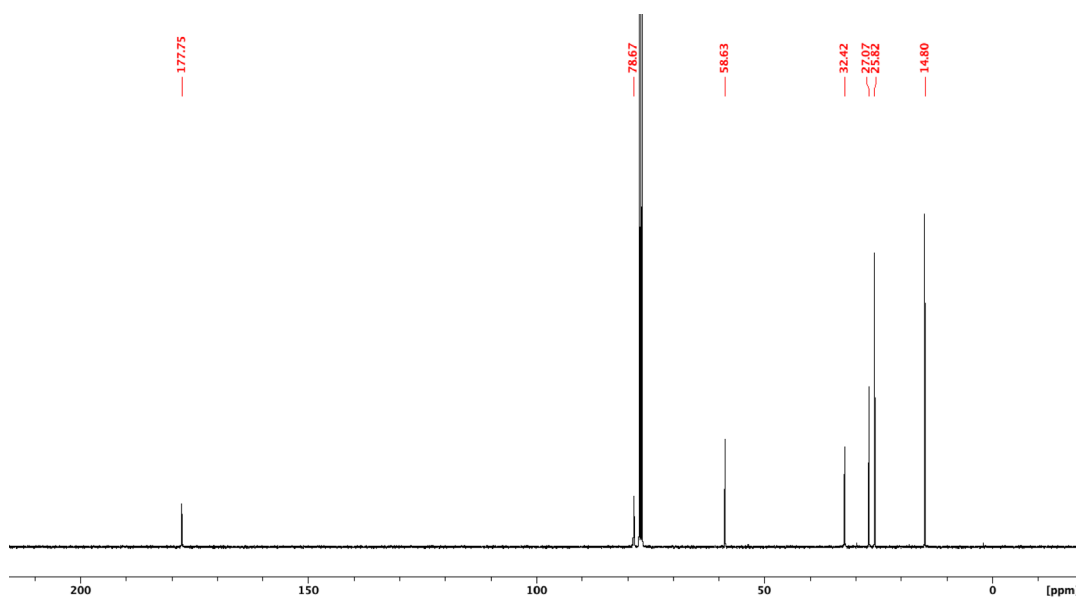
**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 2b** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**

**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 3a** **$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**

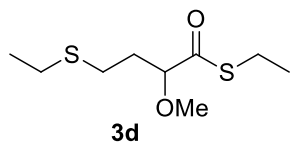
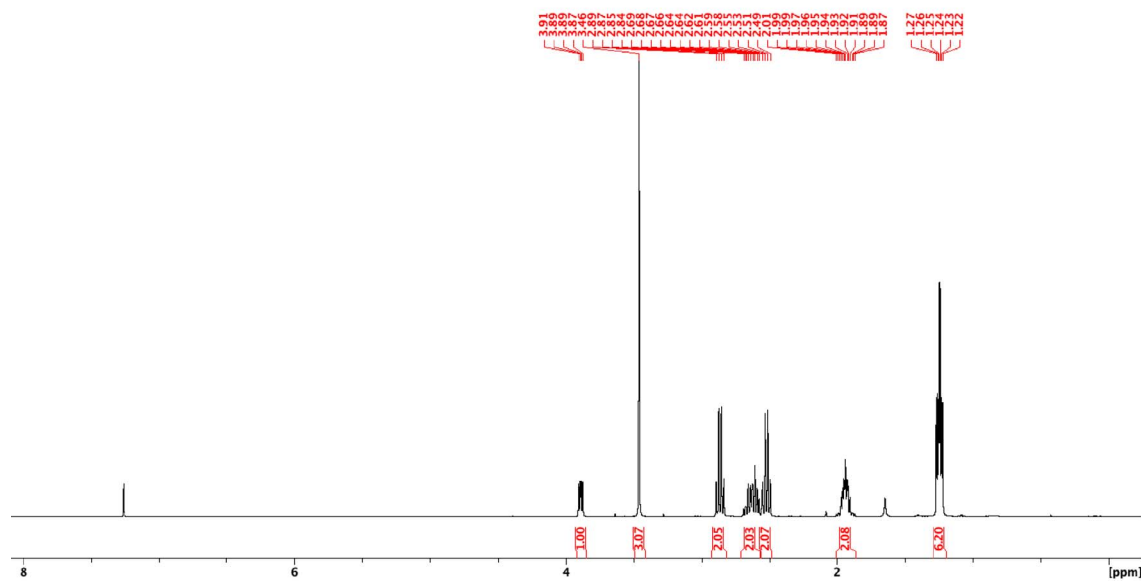
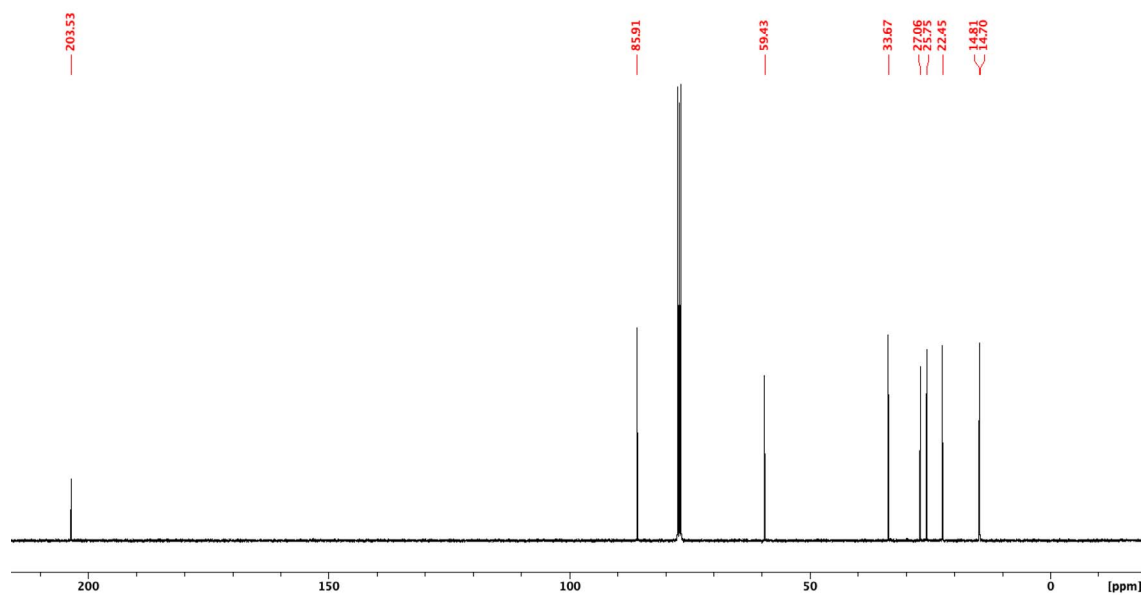
**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 4a** **$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ )**

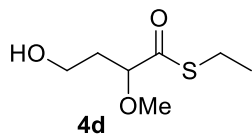
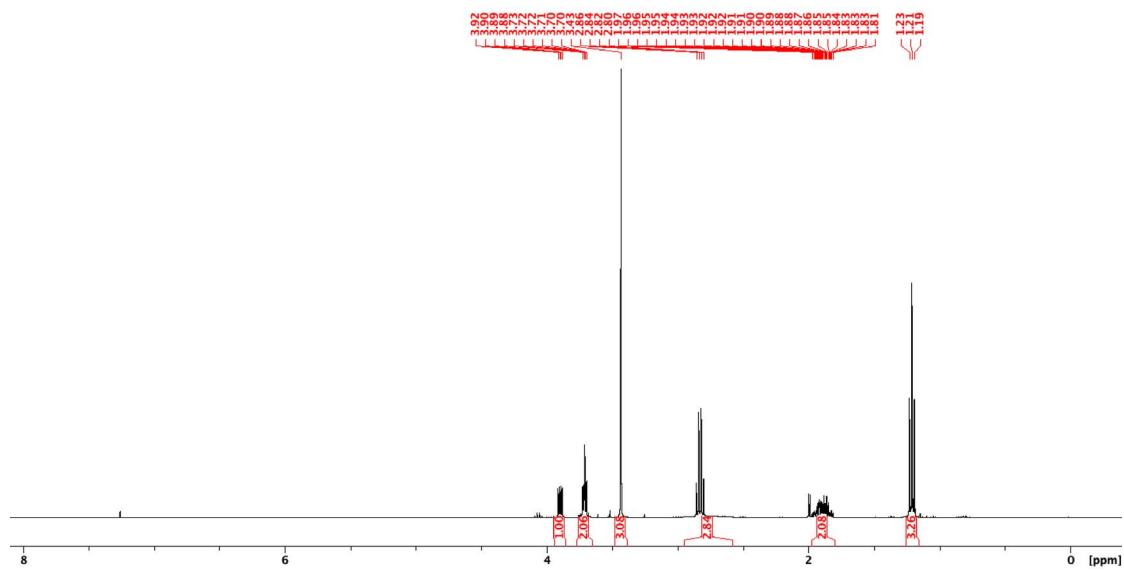
**$^1\text{H}$  spectrum of compound 1c****1c** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )**

**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 1d****1d** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**

**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 2d** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**



**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 3d** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )**

**$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of compound 4d** **$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )** **$^{13}\text{C}$  NMR (101 MHz,  $\text{CDCl}_3$ )**