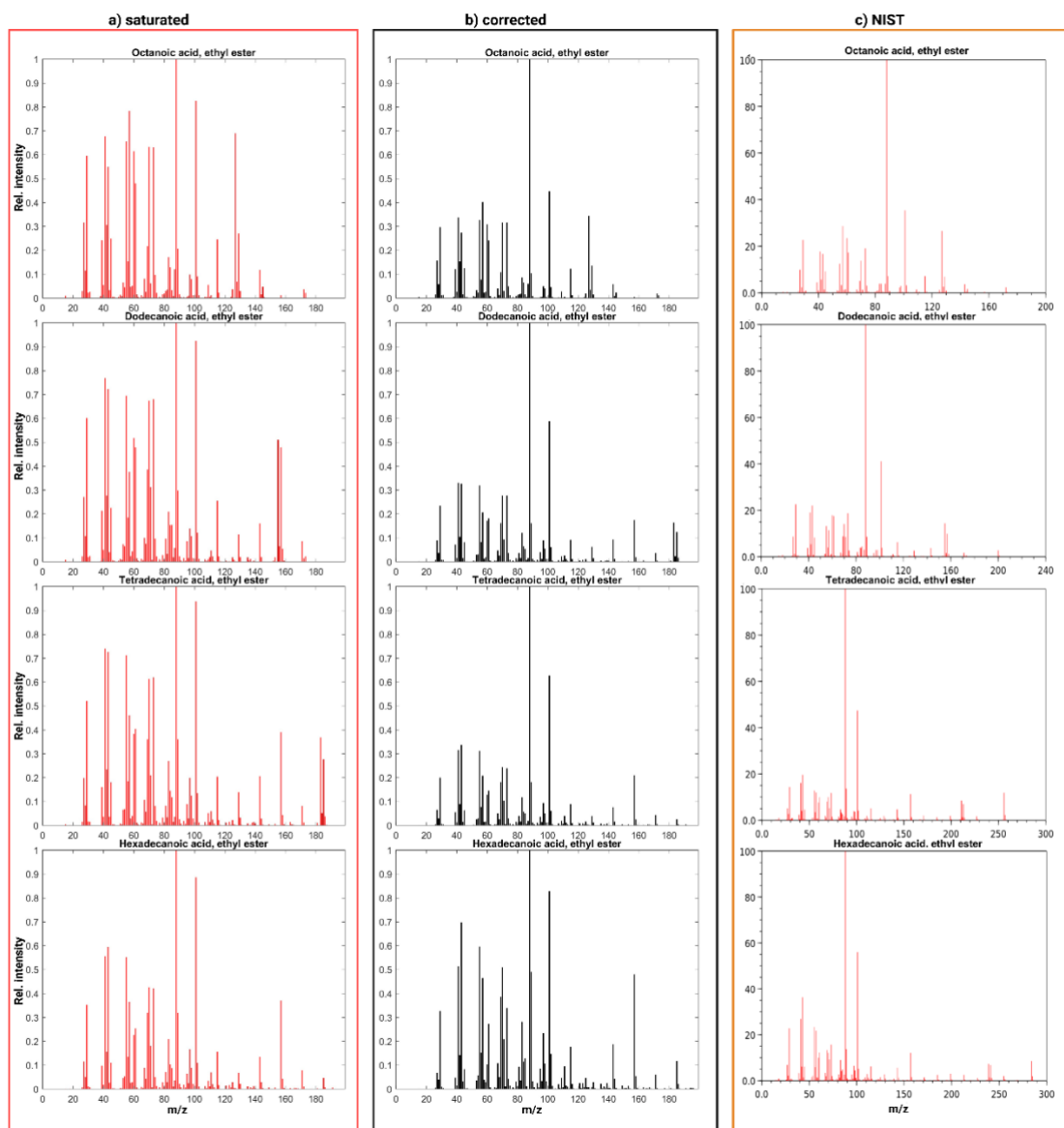


**Figure S1.** Standard curves used for ethyl esters quantification. Linear regression obtained for the quantification of a) ethyl acetate (C2) and b) ethyl hexanoate (C6). Saturation kinetics modelling for c) ethyl octanoate (C8) and d) ethyl dodecanoate (C12), tetradecanoate (C14), and hexadecanoate (C16). Working solutions 43% ABV.



**Supplementary Figure 2.** Improvements of saturated ethyl esters C8-C18 spectra. a) saturated, b) corrected and c) National Institute of Standards and Technology (NIST) reference spectrum.