



**Supplemental Figure S2.** The product ion spectra of VLCFA-PL species present in quantities significantly higher in the ABCD1-KO HeLa cells. The ions corresponding to  $[M+HCOO]^-$  and  $[M-CH_3]^-$  were selected as the first and second precursor ions, respectively in LC-MS<sup>3</sup> analysis