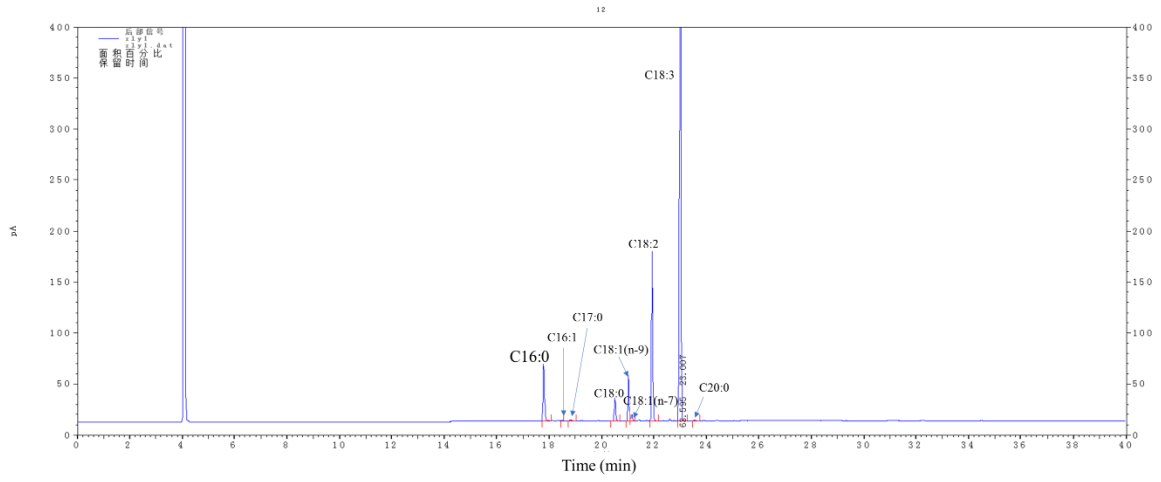
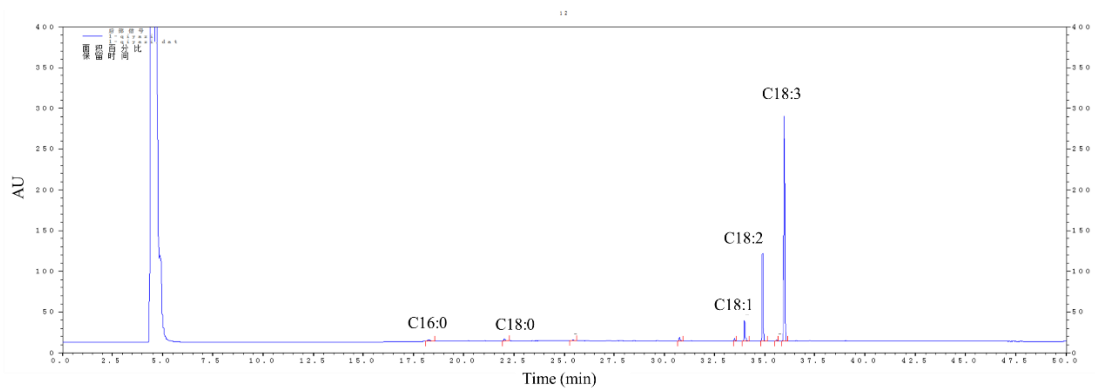


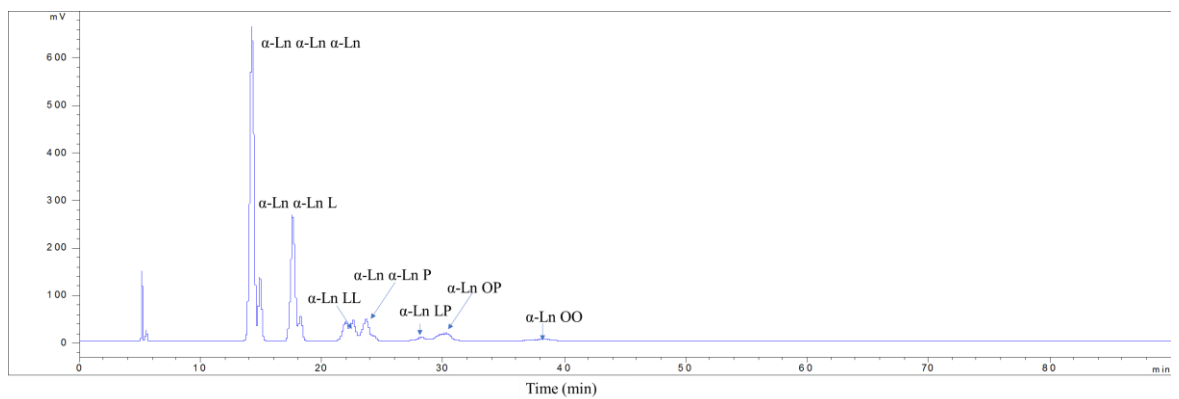
## Supporting information



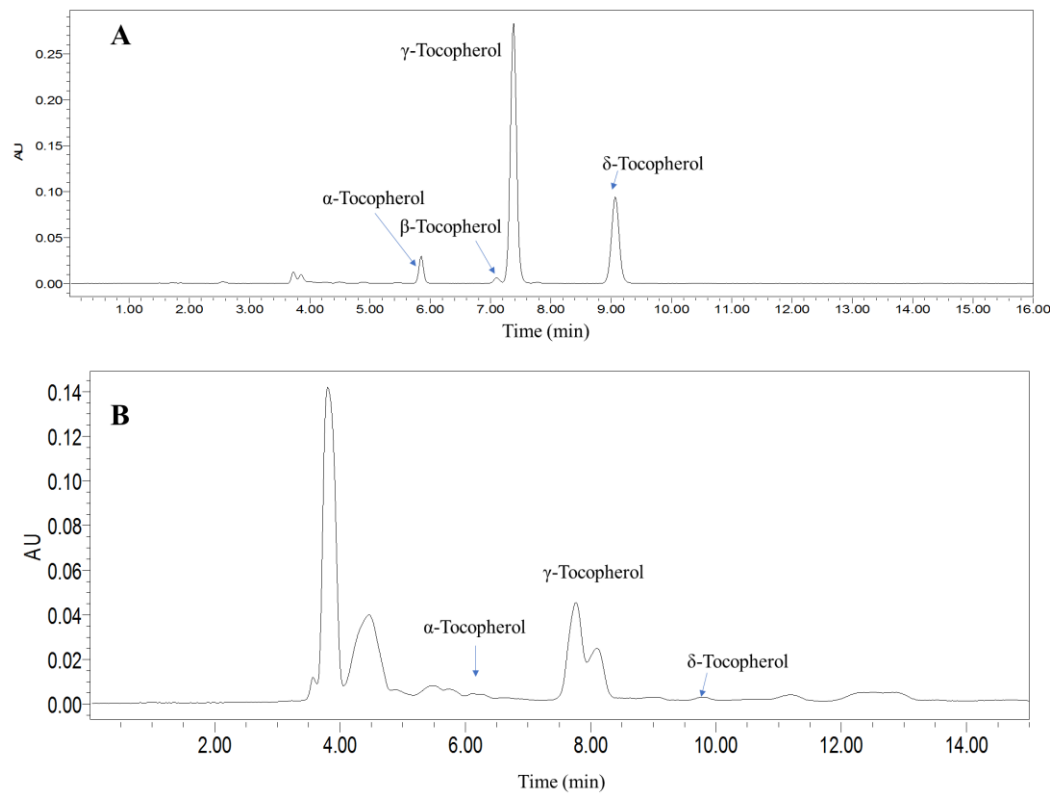
**Figure S1.** HPLC chromatogram of fatty acids or chia seed oils.



**Figure S2.** HPLC chromatography of sn-2 fatty acids from chia seed oil.



**Figure. S3.** Analysis of triacylglycerols from chia seed oil by HPLC.



**Figure S4.** HPLC chromatogram of tocopherols in chia seed oil. (A) standards of tocopherols, and (B) tocopherols in chia seed oil.