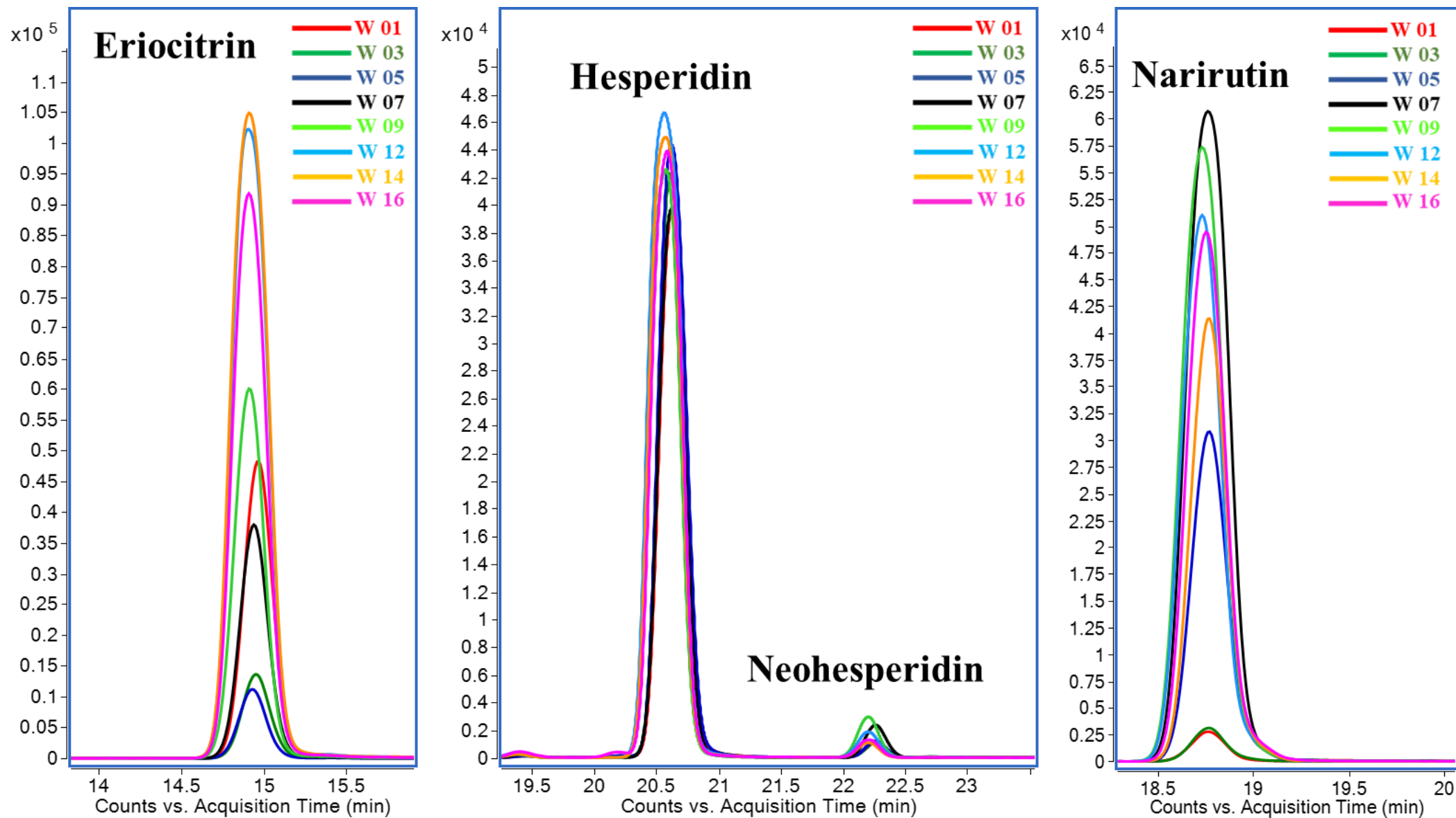
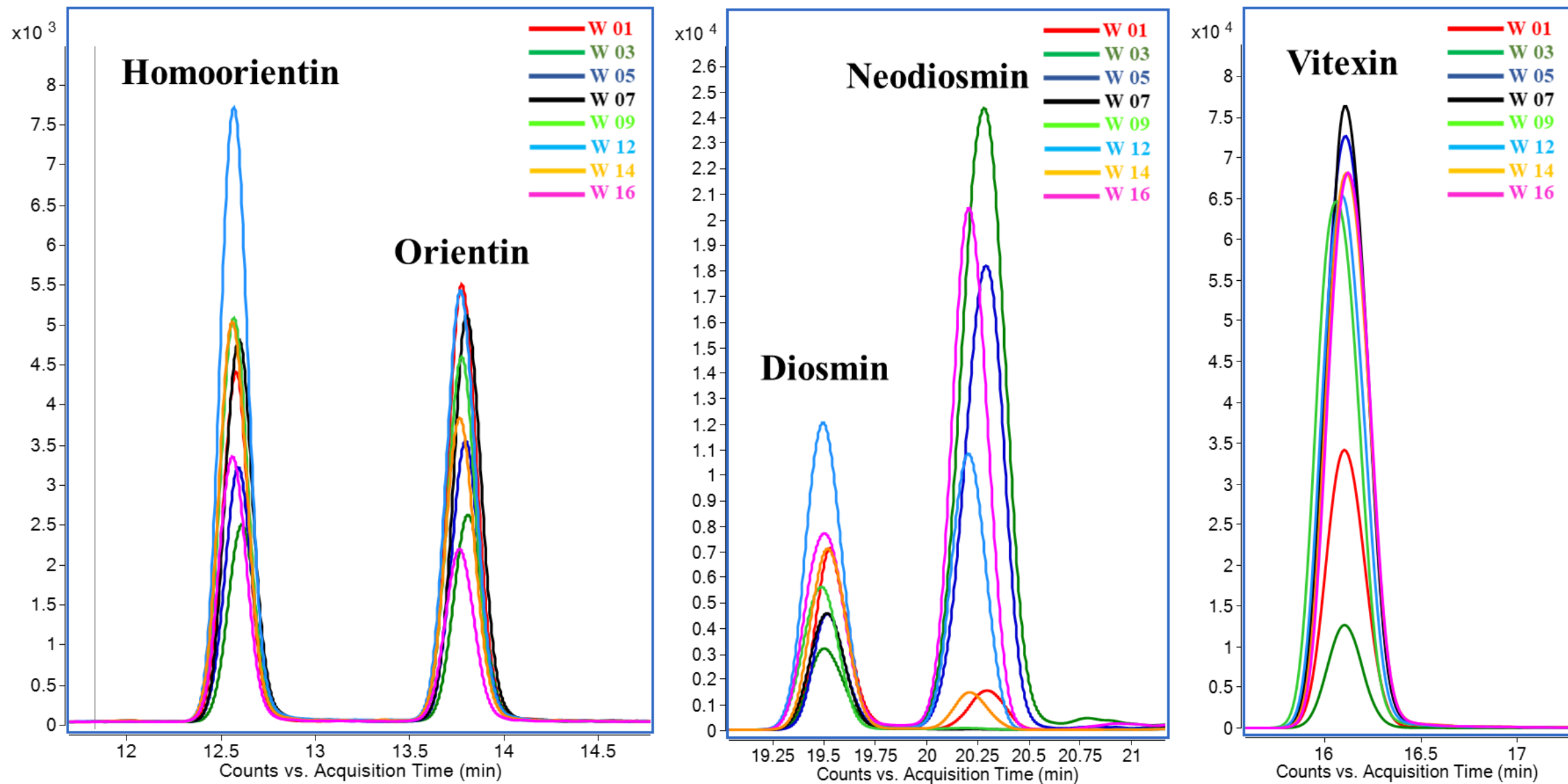


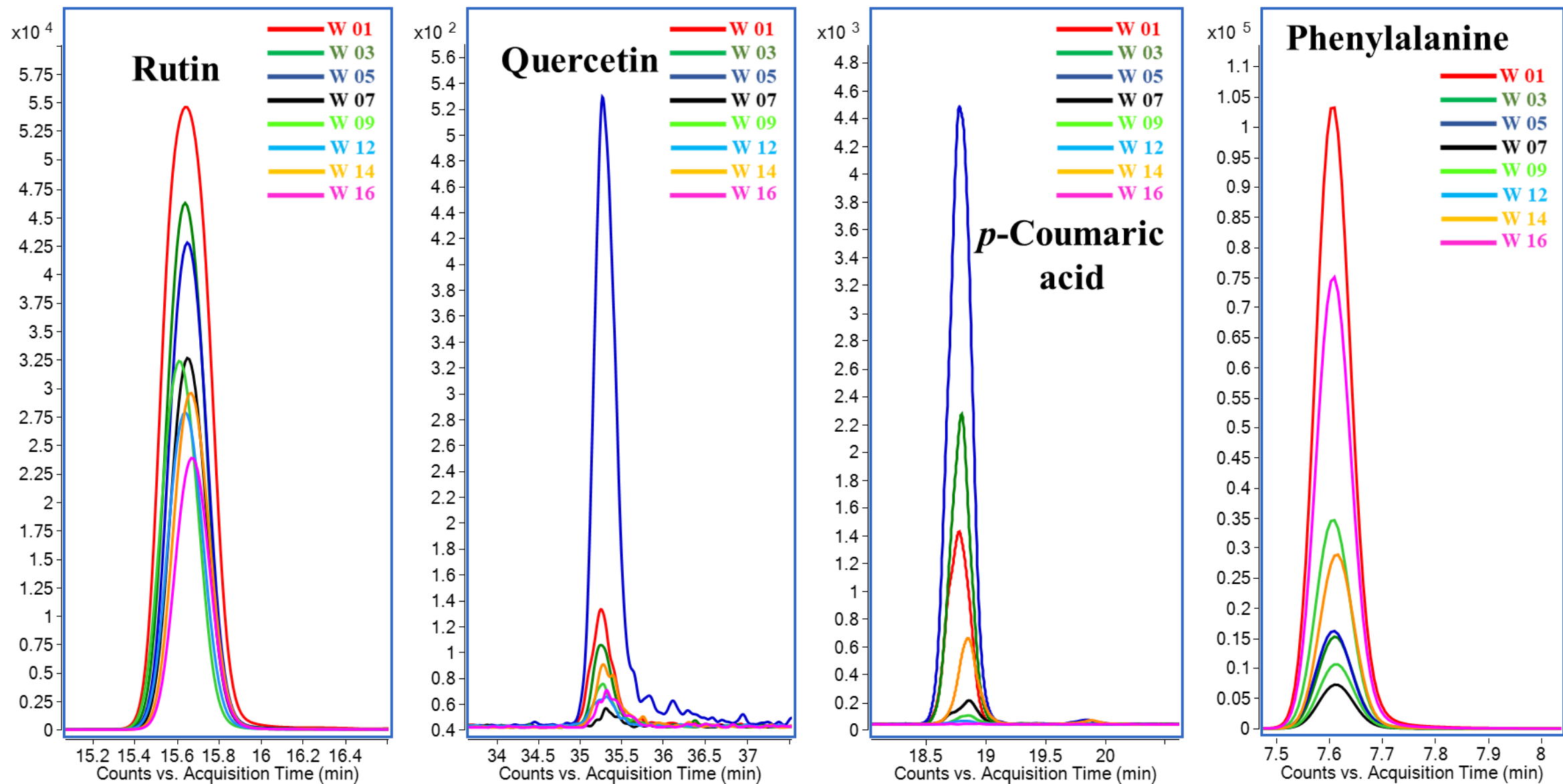
Supplementary Figure 1. Total ion chromatogram and single reaction monitoring of the main phenols from Persian lime samples at week 14.



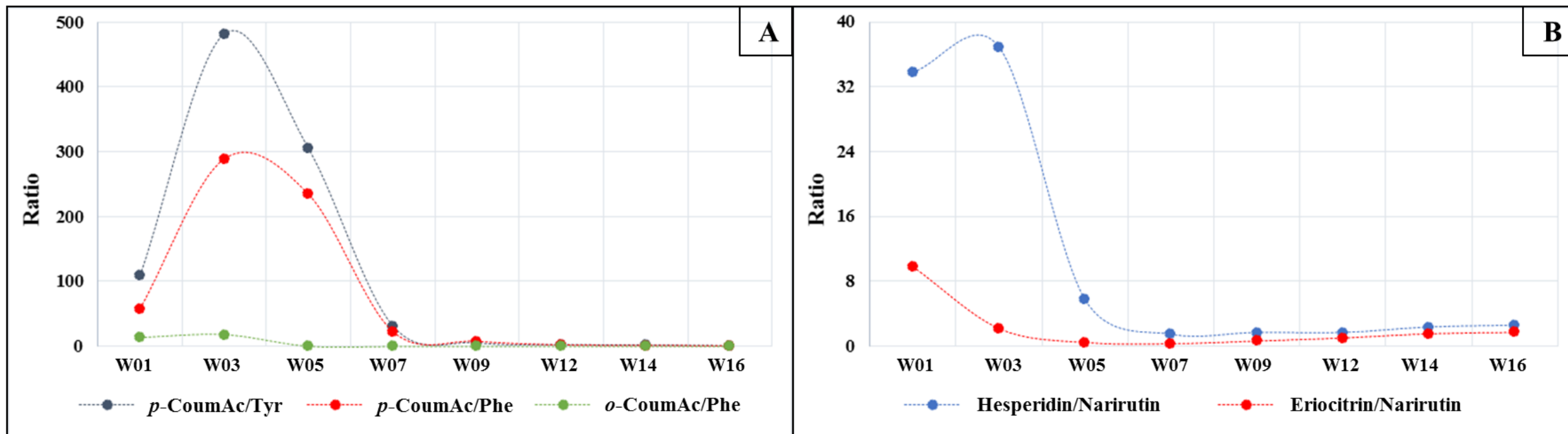
Supplementary Figure 2. Chromatograms of the main flavanones from Persian lime at different maturation stages.



Supplementary Figure 3. Chromatograms of the main flavones from Persian lime at different maturation stages.



Supplementary Figure 4. Chromatograms of the main flavanols, *p*-coumaric acid and phenylalanine from Persian lime at different maturation stages.



Supplementary Figure 5. Conversion ratios of phenylalanine (Phe) and tyrosine (Tyr) into *p*-coumaric acid (*p*-CoumAc) and phenylalanin into *o*-coumaric acid (*o*-CoumAc) (A); and narirutin into either hesperidin or eriocitrin (B).