

Figure S1: Mass spectra of the major compounds of the essential oil obtained by hydrodistillation of the aerial parts of *L. origanoides*.

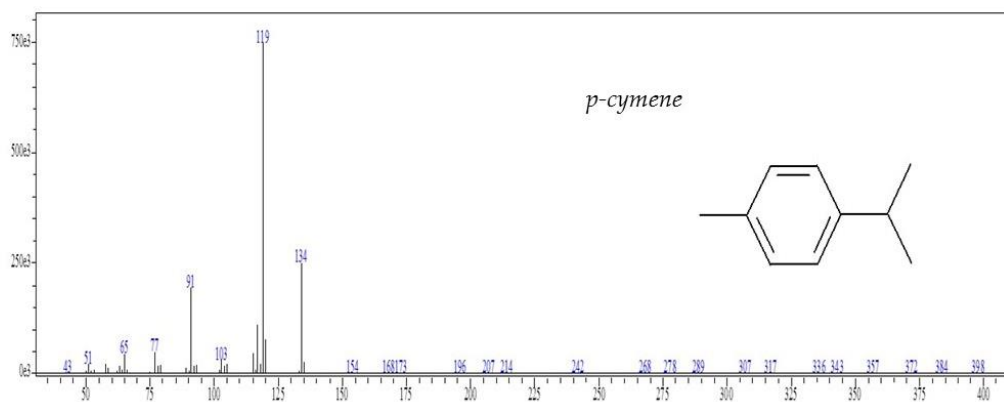
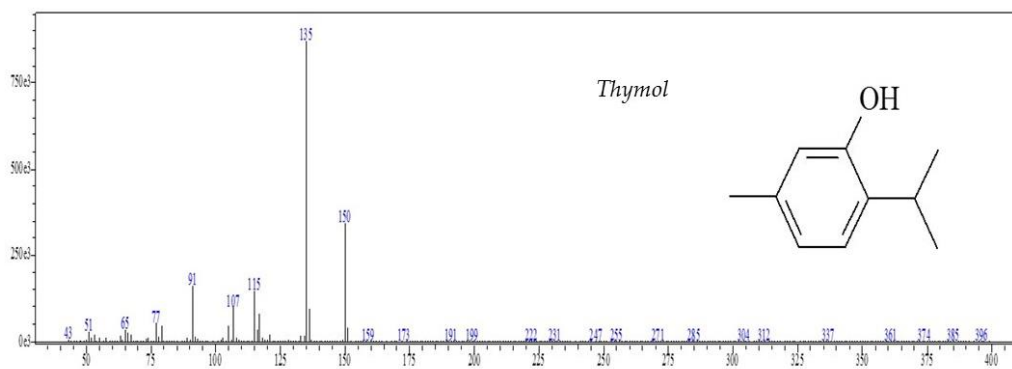
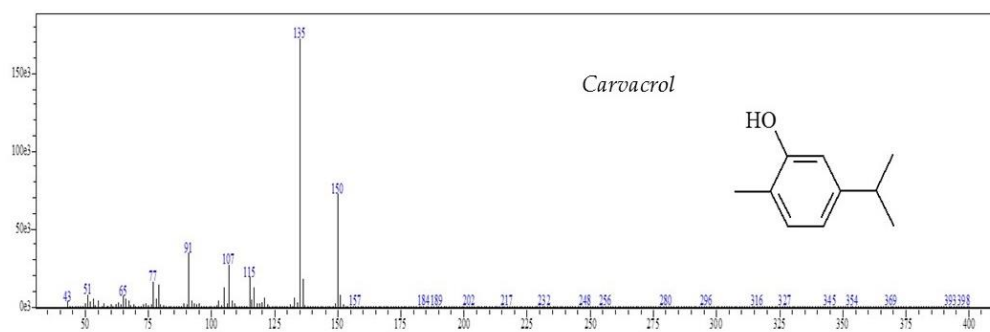


Figure S2: Schematic representations of the molecular interactions of carvacrol (A), thymol (B) and p-cymene (C) with amino acid residues of the E20 site of AchE.

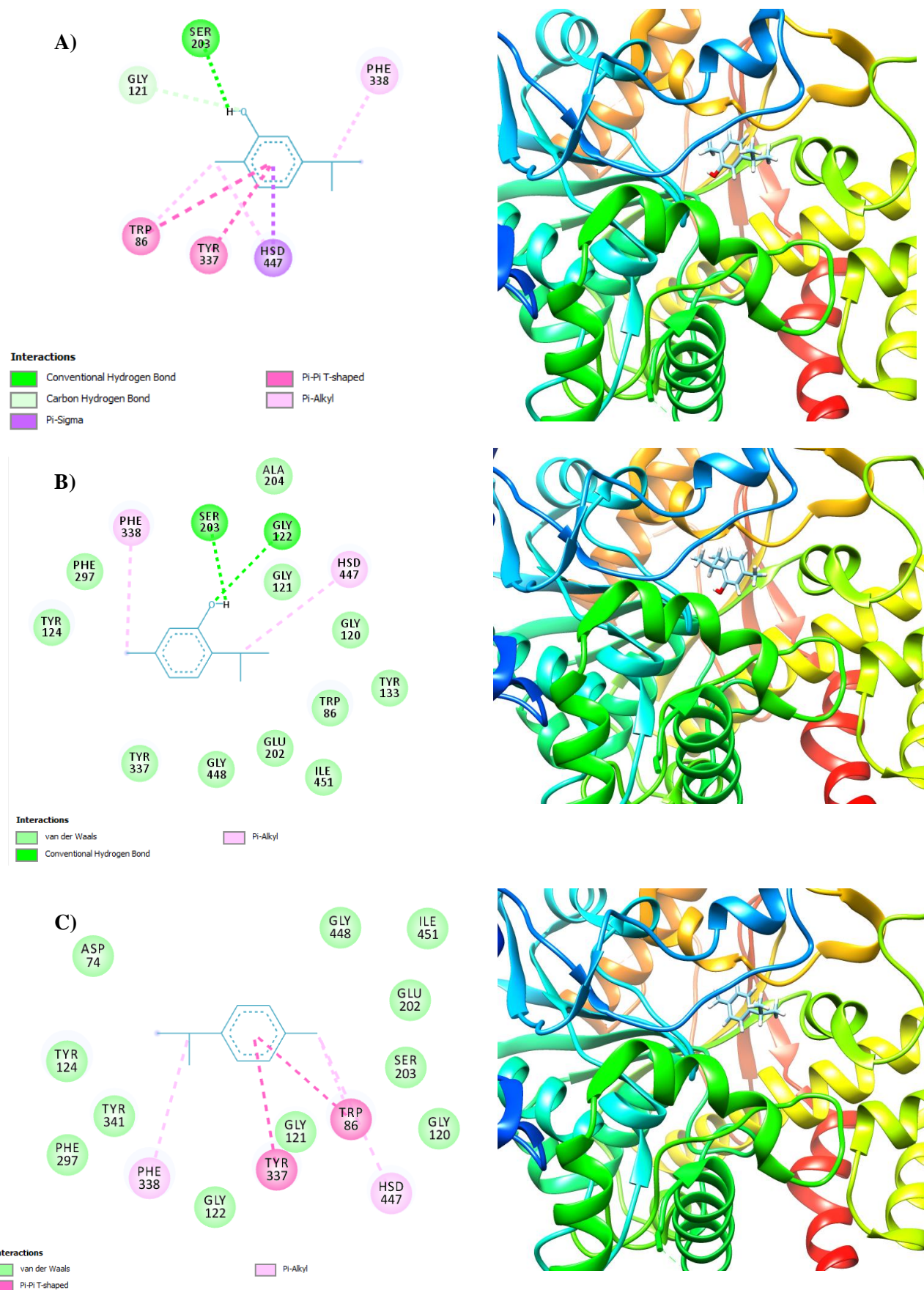
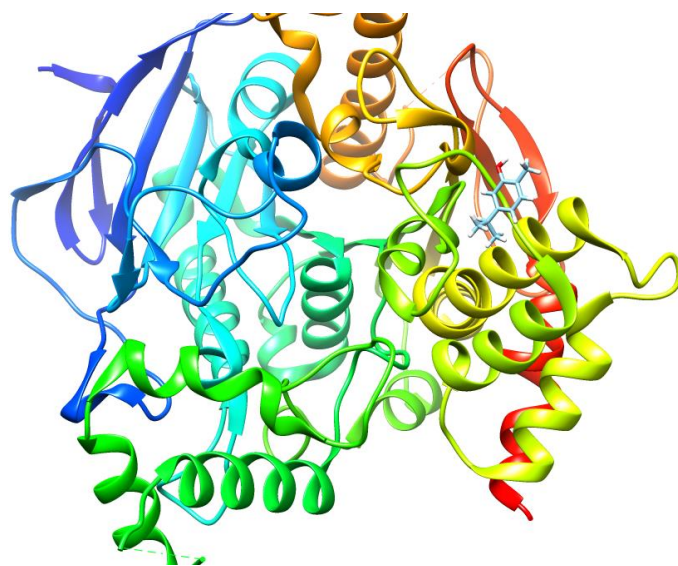
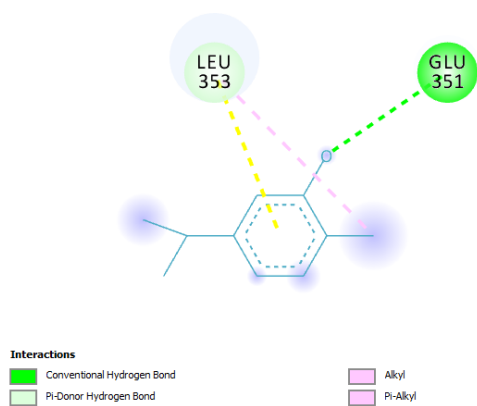
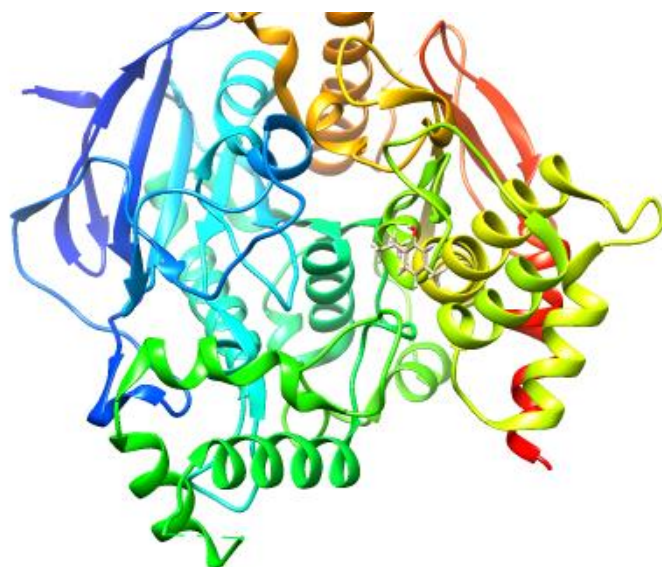
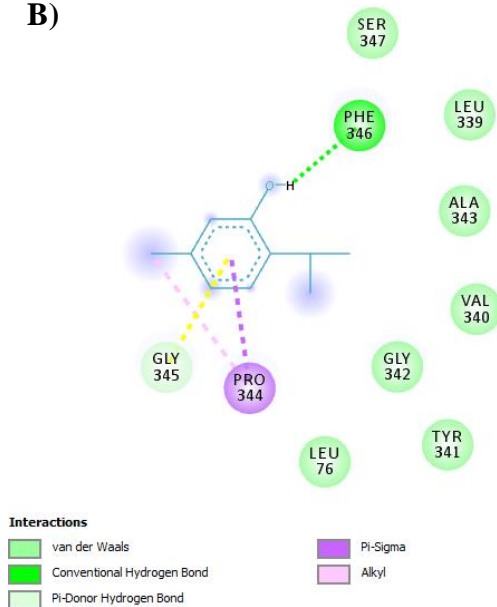


Figure S3: Schematic representations of the molecular interactions of the carvacrol (A), thymol (B) and p-cymene (C) molecules with amino acid residues of the NAG site of AChE.

A)



B)



C)

