

Supplementary Materials

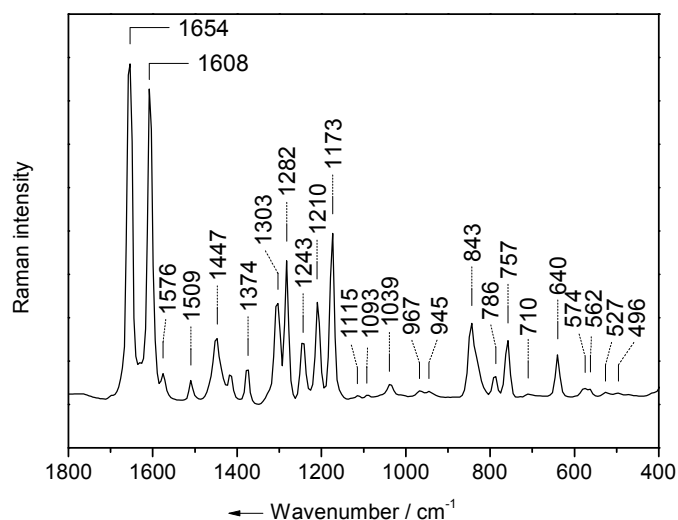
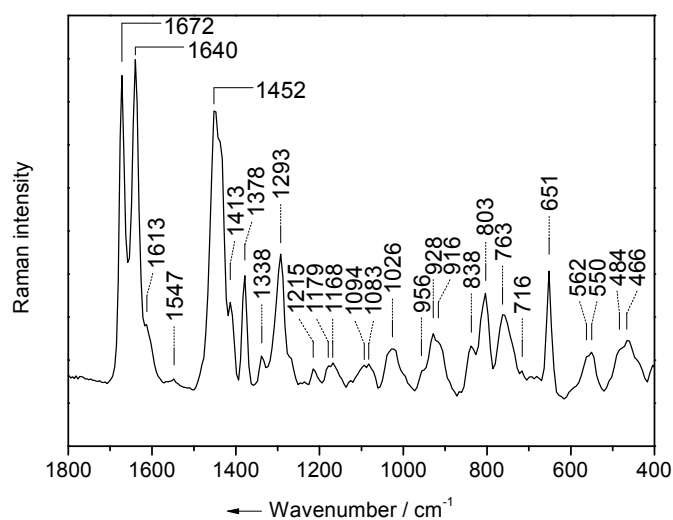
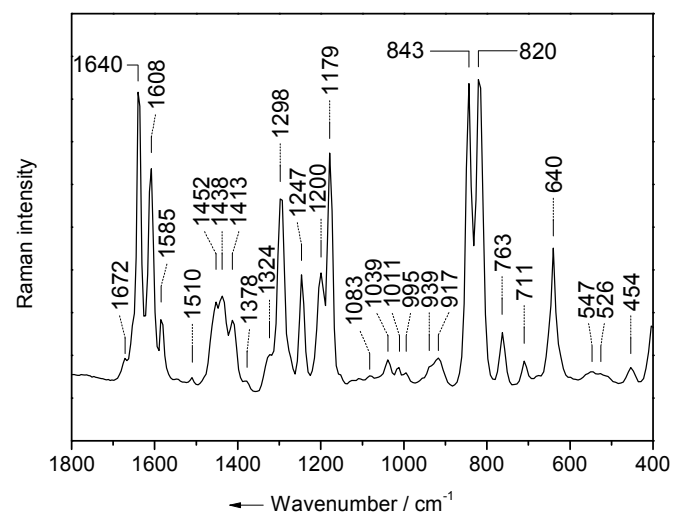
Table S1. Major components present in essential oils according to earlier studies.

Name of Plant ^a	Vegetable Material Source of the Essential Oil (Region)	Major Essential Oil Components ^b
Anise	Star anise (Essential oil provided by the International Flavors and Fragrances Inc., Union Beach, NJ, USA)	<u>Anethole</u> , <i>p</i> -allylanisole, <i>p</i> -anisaldehyde, linalool [11].
	Anise seeds (Turkey)	<u>Trans-Anethole</u> , methyl eugenol, methyl chavicol [28].
Basil	Leaves, flowers and stems (Mississippi, USA)	<u>Linalool</u> , camphor, α -humulene, eucalyptol, eugenol, bornyl acetate, methyl chavicol, methyl cinnamate [31].
	Leaves and flowers (Mersin, Turkey)	<u>Estragole</u> , limonene, fenchone, <i>p</i> -cymene, <i>exo</i> -fenchyle acetate [32].
Geranium	Flowers (India)	<u>Geraniol</u> , <u>citronellol</u> , <u>linalool</u> , isomenthone, 10- <i>epi</i> - γ -eudesmol, citronellyl formate, geranyl formate, geranyl tiglate, citronellyl tiglate [36].
	Flowers (India)	<u>Citronellol</u> , <u>geraniol</u> , <u>linalool</u> , isomenthone, 10- <i>epi</i> - γ -eudesmol, citronellyl formate, geranyl formate, α -terpineol, germacrene D, geranyl tiglate, geranyl acetate [37].
Ginger	Rhizomes (India)	<u>α-Zingiberene</u> , camphene, ar-curcumene, β -sesquiphellandrene, β -phellandrene, <i>E,E</i> - α -farnesene, β -bisabolene, α -pinene, geranial, endo-borneol, neral, valencene, 1,8-cineol, germacrene D [38].
	Rhizomes (Australia)	<u>Geranial</u> , <u>neral</u> , <u>zingiberene</u> , geraniol, ar-curcumene, β -sesquiphellandrene, (<i>E,E</i>)- α -farnesene [39].
Lavandin	Different producers (France)	<u>Linalool</u> , <u>linalyl acetate</u> , <u>camphor</u> , 1,8-cineole, terpinen-4-ol, borneol, lavandulyl acetate [43].
Lavender	Leaves (No specified region)	<u>Linalool</u> , <u>linalyl acetate</u> , camphor, eucalyptol, borneol [41].
	Leaves, flowers & stems (India)	<u>Linalyl acetate</u> , <u>linalool</u> , lavandulyl acetate, α -terpineol, geranyl acetate, caryophyllene oxide [42].
Lemon	Fruits (Italy)	<u>Limonene</u> , sabinene, <i>b</i> -pinene, γ -terpinene, α -pinene, geranial, myrcene [44].
	Essential oil provided by the International Flavors and Fragrances Inc. (Union Beach, NJ, USA)	<u>Limonene</u> , <u>β-pinene</u> , γ -terpinene, α -pinene, <i>p</i> -cymene [11].
Nutmeg	Purchased from Adrian S.A. (Marseille, France)	<u>α-pinene</u> , <u>β-pinene</u> , <u>sabinene</u> , myristicin, terpinene, terpinen-4-ol, saffrole [9].
	Seed (Austria)	<u>β-Pinene</u> , <u>α-pinene</u> , <u>myristicin</u> , terpinen-4-ol, limonene, γ -terpinene, saffrole, α -terpinene, β -myrcene, terpinolene, methyl eugenol, elemicin [47].
Orange	Bitter orange (Essential oil provided by the International Flavors and Fragrances Inc., Union Beach, NJ, USA)	<u>Limonene</u> , β -myrcene, β -pinene [11].
	Sweet orange (Italy)	<u>Limonene</u> , myrcene, sabinene, β -pinene, α -pinene, decanal, γ -terpinene [44].

Table S1. Cont.

Name of Plant ^a	Vegetable Material Source of the Essential Oil (Region)	Major Essential Oil Components ^b
Patchuli	Essential oil provided by the International Flavors and Fragrances Inc. (Union Beach, NJ, USA)	<u>Patchouli alcohol</u> , <u>γ-guaiene</u> , <u>α-guaiene</u> , <u>methyl benzoate</u> , β -patchoulene [10].
	Leaves (Brazil)	<u>α-Guaiene</u> , <u>δ-guaiene</u> , <u>patchoulol</u> , β -caryophyllene, α -patchoulene, β -patchoulene, seychellene [49].
	Leaves (India)	<u>Patchouli alcohol</u> , α -guaiene, δ -guaiene, seychellene, (<i>E</i>)-caryophyllene, α -patchoulene, β -patchoulene, γ -patchoulene [50].
Peppermint	Leaves (Italy)	<u>trans-Menthone</u> , <u>trans-menthol</u> , <u>trans-methyl acetate</u> , cis-menthone, 1,8-cineole, β -caryophyllene [51].
	Leaves and flowers (Norway)	<u>Menthone</u> , <u>menthol</u> , <u>1,8-cineole</u> , <u>menthyl acetate</u> , α -pinene, β -pinene, β -myrcene, menthofuran [52].
Sage	Leaves (France, Hungary, Portugal, Romania, Czech Republic)	<u>Camphor</u> , <u>α-thujone</u> , <u>β-thujone</u> , <u>1,8-cineole</u> , α -humulene, camphene, α -pinene, β -pinene, β -caryophyllene [55].
	Essential oil provided by the International Flavors and Fragrances Inc. (Union Beach, NJ, USA)	<u>α-Thujone</u> , <u>camphor</u> , 1,8-cineole, camphene, isoborneol, δ -cadinene, β -thujone, α -caryophyllene, α -pinene, limonene [11].
Thyme	Leaves (Italy)	<u>Thymol</u> , <u><i>p</i>-cymene</u> , <u>γ-terpinene</u> , β -caryophyllene, borneol, thymol methyl ether, carvacrol methyl ether, 1-octen-3-ol, β -bisabolene [56].
	Flowers (Italy)	<u>Thymol</u> , <u>γ-terpinene</u> , <u><i>p</i>-cymene</u> , thymol methyl ether, carvacrol methyl ether, β -bisabolene, β -myrcene, 1-octen-3-ol, β -caryophyllene [56].
	Purchased from Adrian S.A. (Marseille, France)	<u>Thymol</u> , <u><i>p</i>-cymene</u> , linalool [9].
	Essential oil provided by the International Flavors and Fragrances Inc. (Union Beach, NJ, USA)	<u><i>p</i>-cymene</u> , <u>thymol</u> , camphene, α -terpineol [11].
	Flowers (Jordan)	<u>Carvacrol</u> , <u>thymol</u> , γ -terpinene, <i>p</i> -cymene, α -terpinene, β -pinene [57].
	Flower buds (Jordan)	<u>Carvacrol</u> , <u>thymol</u> , γ -terpinene, <i>p</i> -cymene, α -terpinene, β -pinene [57].
	Leaves (Jordan)	<u>Thymol</u> , <u>carvacrol</u> , <i>p</i> -cymene, γ -terpinene, borneol [57].

^a Trivial name; ^b Components thought to have a higher influence on the Raman spectra of the oils (due to their relative quantity) are underlined.

Raman Spectra of Essential Oils**Figure S1.** Average spectrum of anise essential oil.**Figure S2.** Average spectrum of basil chemotype linalool essential oil.**Figure S3.** Average spectrum of basil chemotype methyl chavicol essential oil.

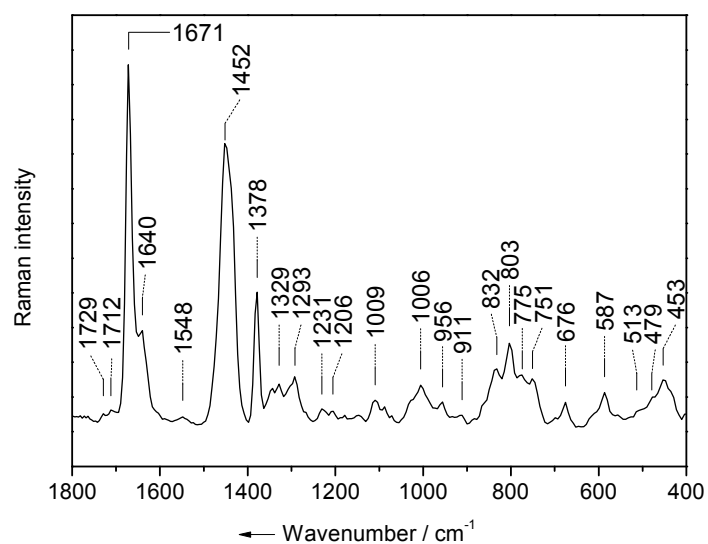


Figure S4. Average spectrum of geranium essential oil.

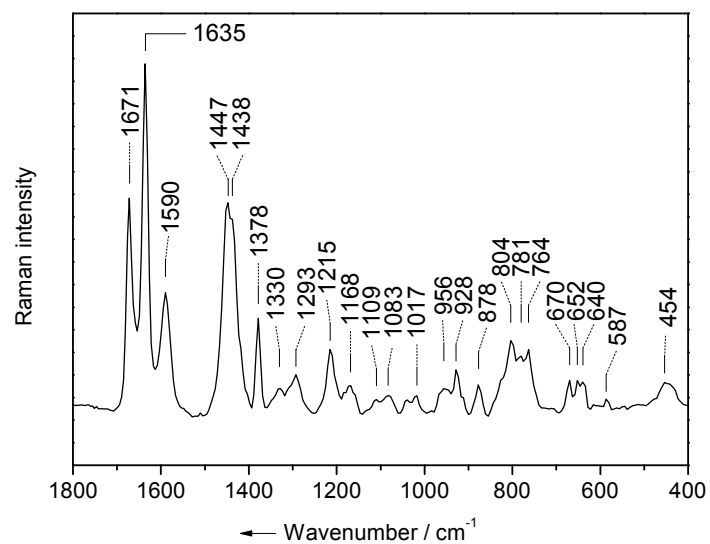


Figure S5. Average spectrum of ginger essential oil.

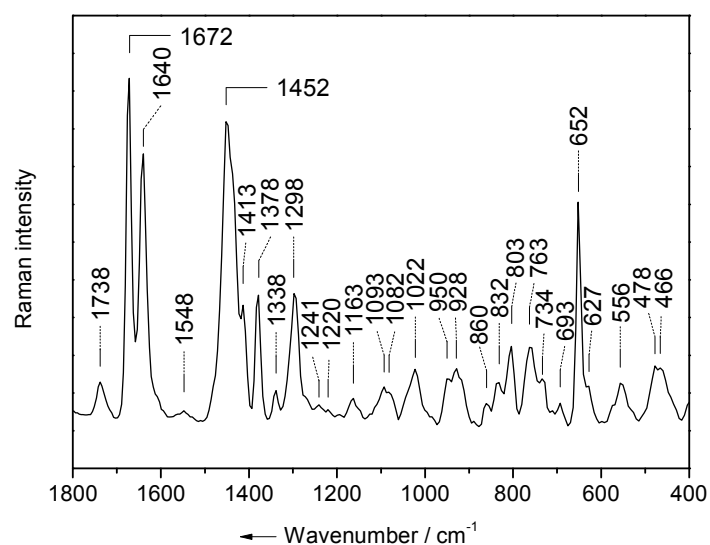


Figure S6. Average spectrum of lavandin essential oil.

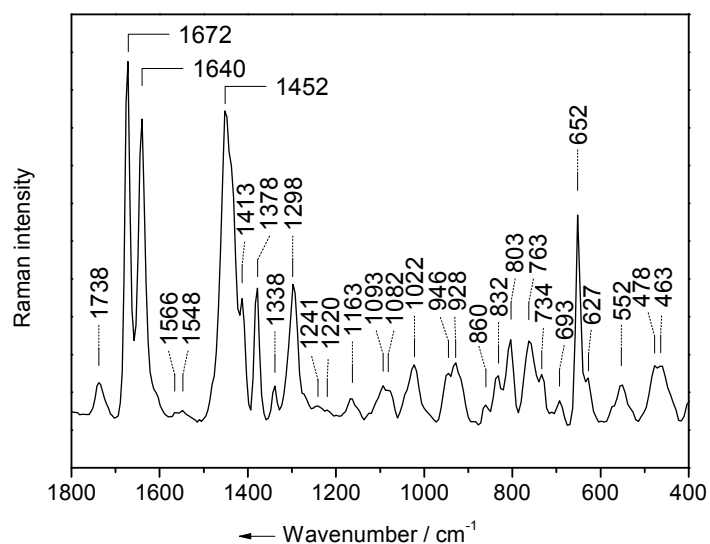


Figure S7. Average spectrum of lavender essential oil.

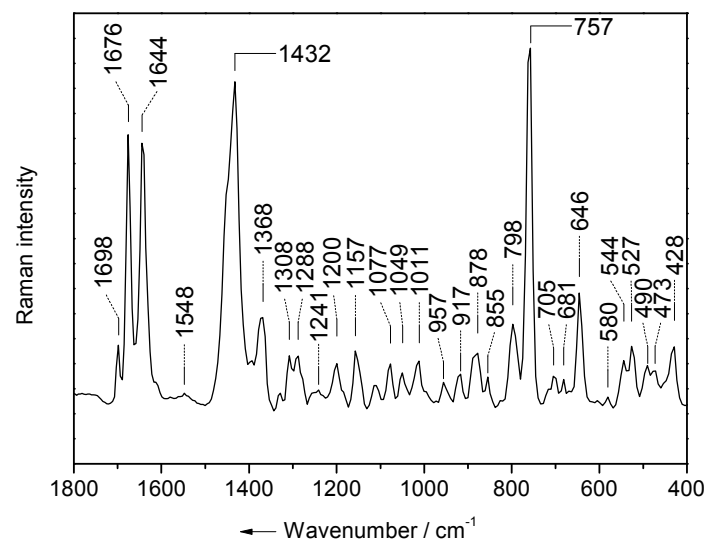


Figure S8. Average spectrum of lemon essential oil.

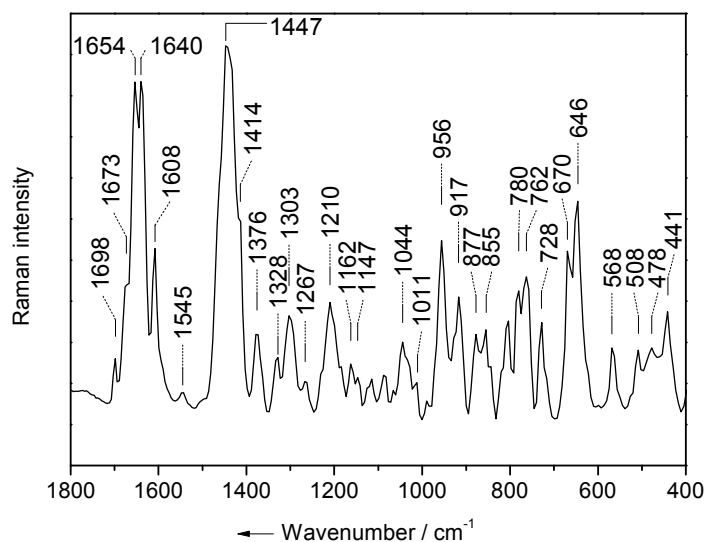


Figure S9. Average spectrum of nutmeg essential oil.

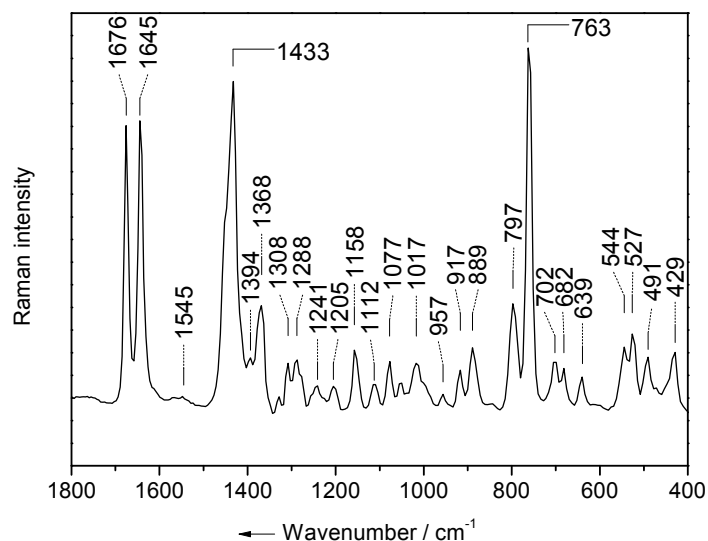


Figure S10. Average spectrum of orange (bitter) essential oil.

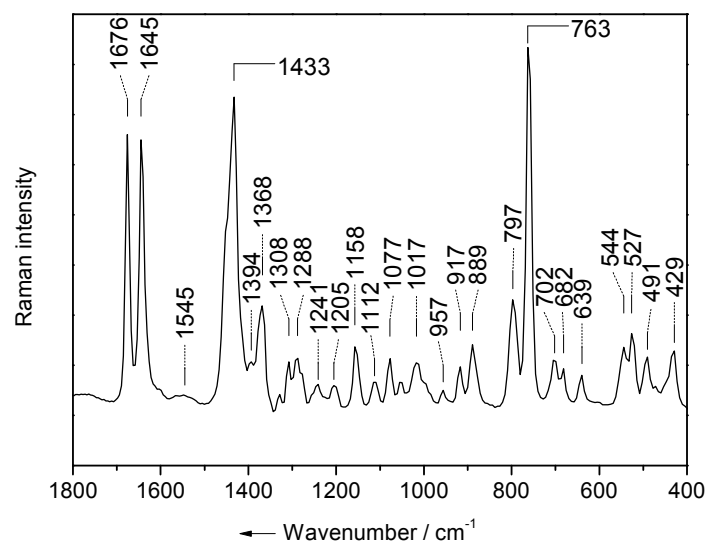


Figure S11. Average spectrum of orange (sweet) essential oil.

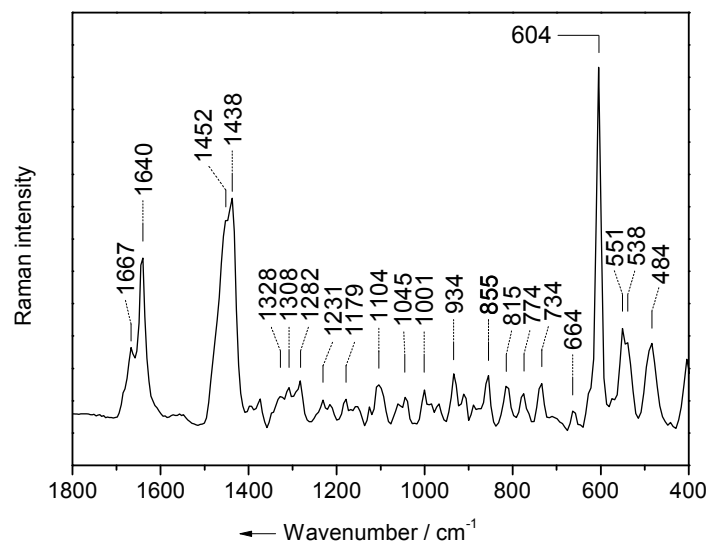


Figure S12. Average spectrum of patchouli essential oil.

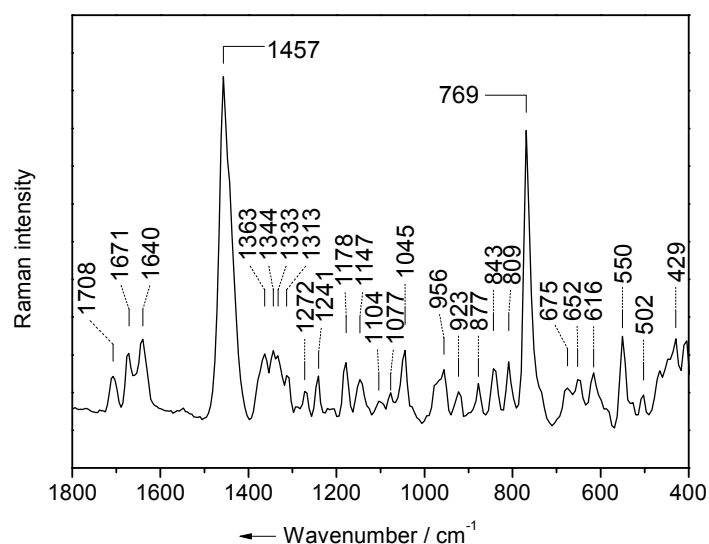


Figure S13. Average spectrum of peppermint essential oil.

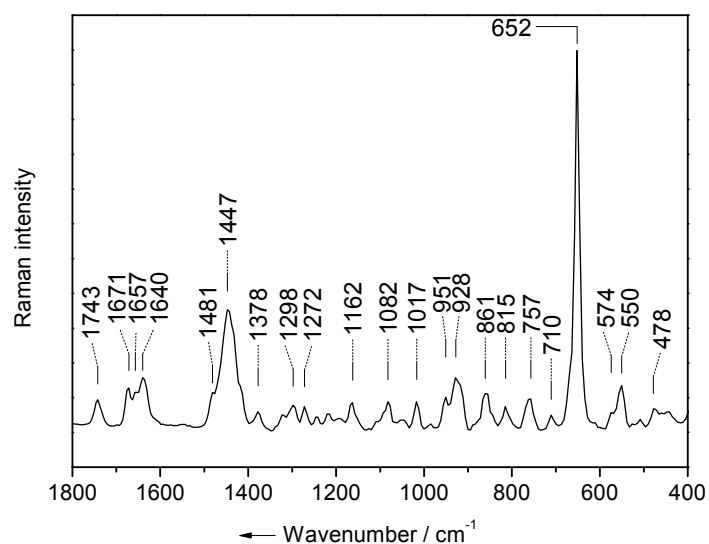


Figure S14. Average spectrum of sage essential oil.

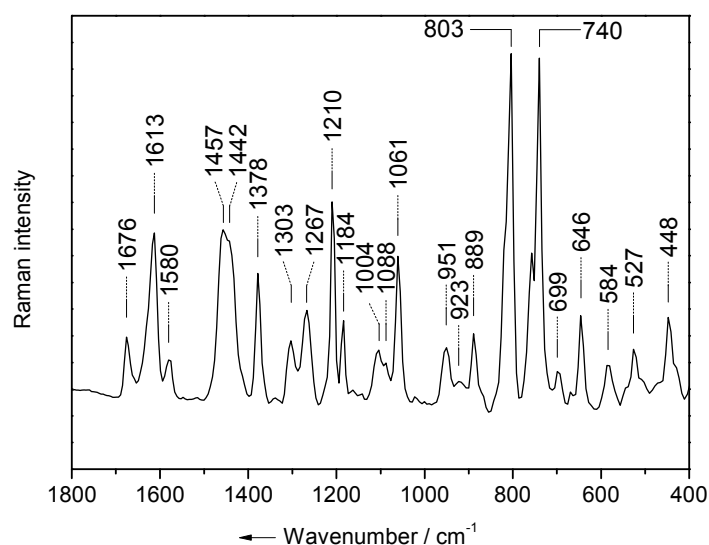


Figure S15. Average spectrum of thyme essential oil.

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