

Acetylation of Eugenol on Functionalized Mesoporous Aluminosilicates Synthesized from Amazonian *Flint* Kaolin

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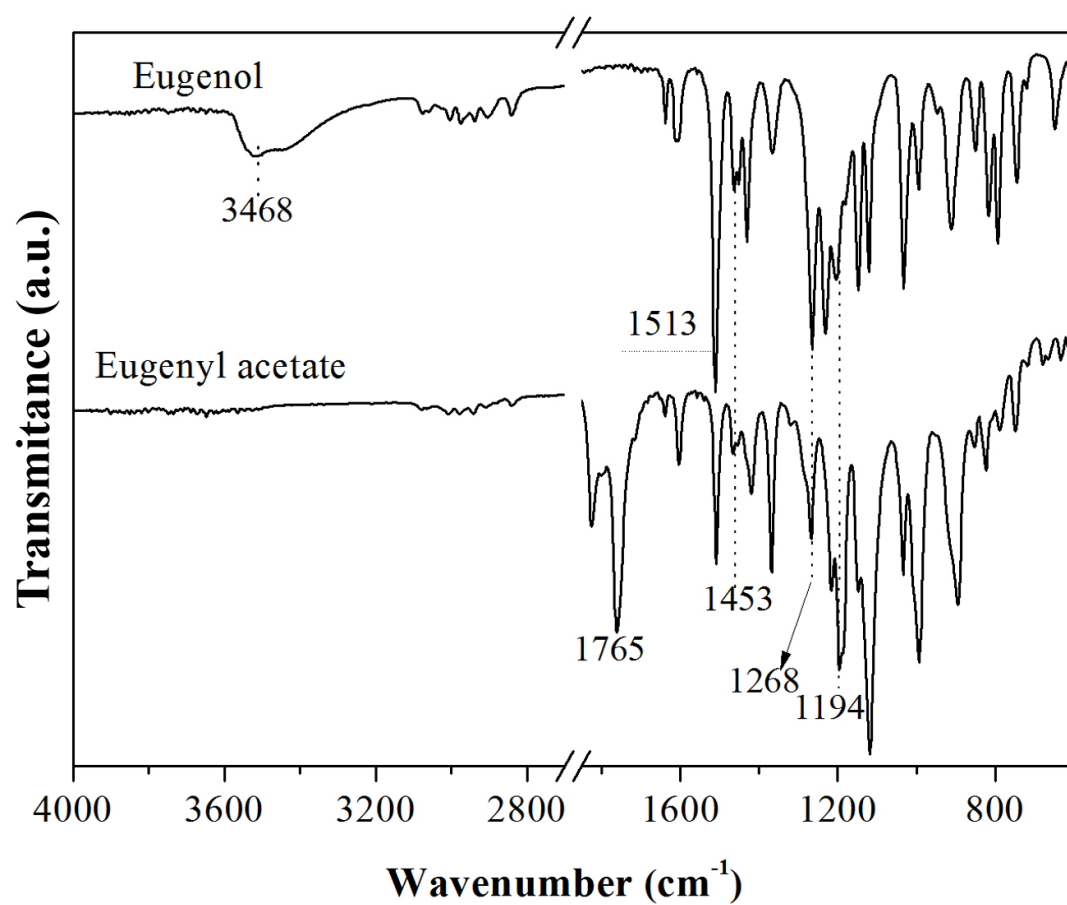


Figure S1. Eugenol and Eugenyl acetate FTIR spectra

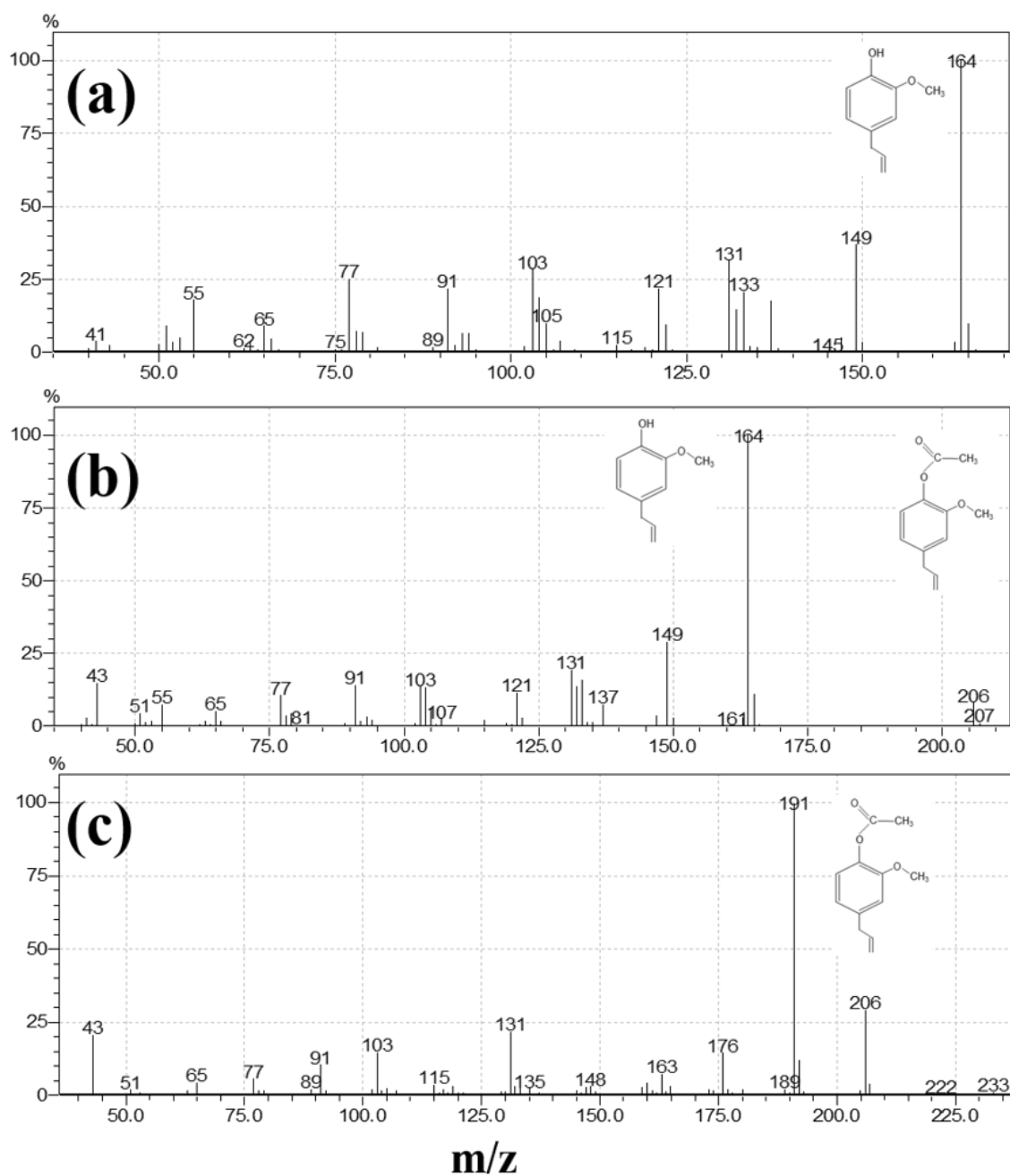


Figure S2. Mass spectrometry (GC/MS) (a) eugenol, (b) eugenol and eugenol acetate, (c) acetate eugenol

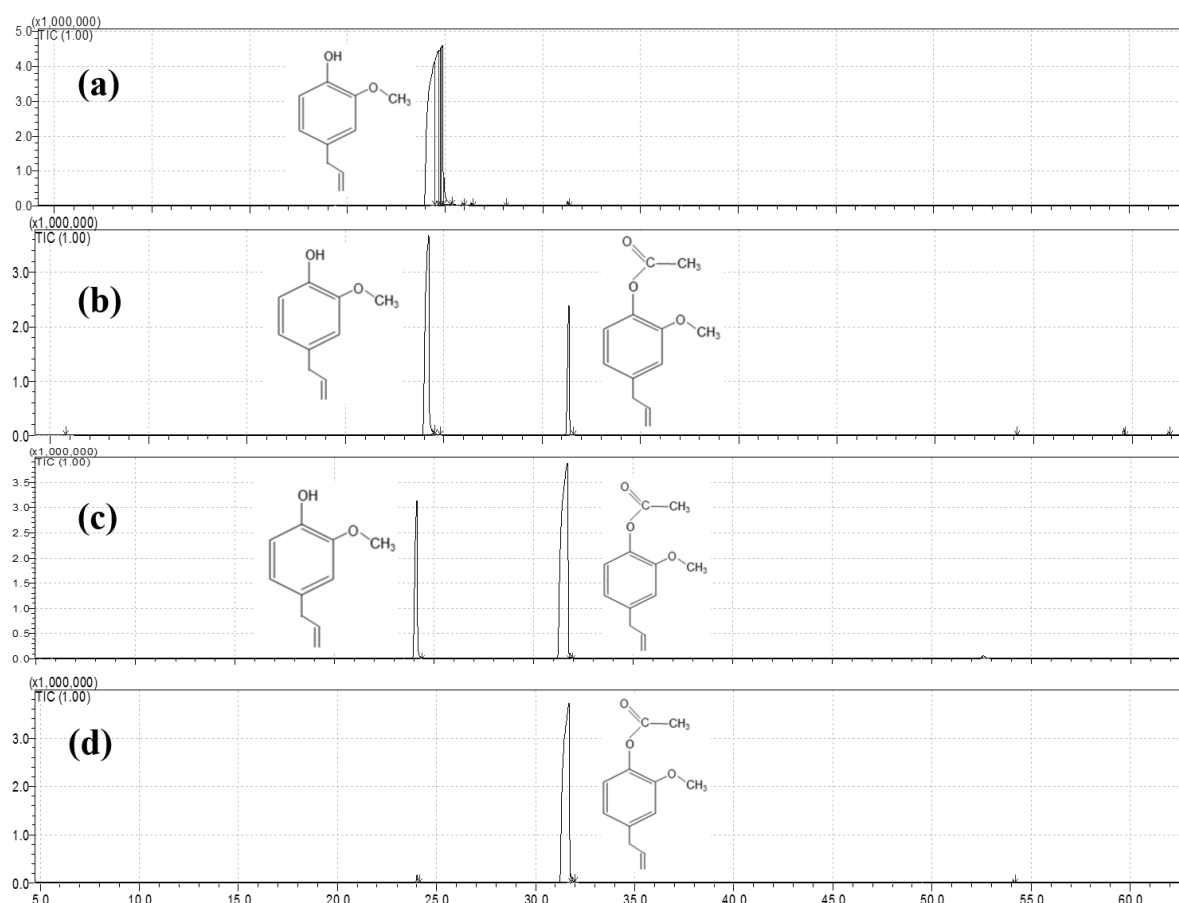


Figure S3. Chromatograms (a) eugenol, (b) eugenol and eugenol acetate (autocatalysis), (c) eugenol and eugenol acetate (catalyzed with (3)SO₃H/AlSiM), (d) eugenol acetate (catalyzed with (3)SO₃H/AlSiM).

Table S1. Chemical characterization of eugenol and eugenyl acetate by GC/MS

Compounds	RT	RI	RI ^a	Fragmentation profiles (<i>m/z</i>)
Eugenol	24,9	1376	1350	164, 149, 131, 121, 103, 91, 77, 65, 55, 41
Eugenol acetate	31,6	1535	1513	206, 164, 149, 131, 121, 103, 91, 77, 65, 55, 43

RT retention time (minutes), *RI* retention index calculated, *m/z* mass to charge ratio

^aRI found in the literature [58–60]