Supplementary Materials

HPLC and ToF–SIMS Analyses of *Toxicodendron vernicifluum* Tree Sap Mixed with Other Natural Lacquers

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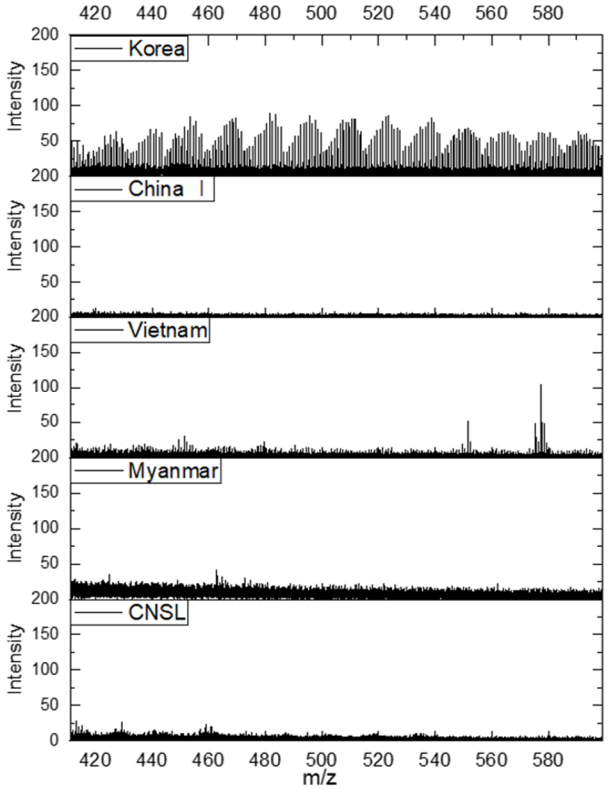

Figure S1. The positive ToF–SIMS spectra of different lacquer saps: *m*/*z* 411–599.

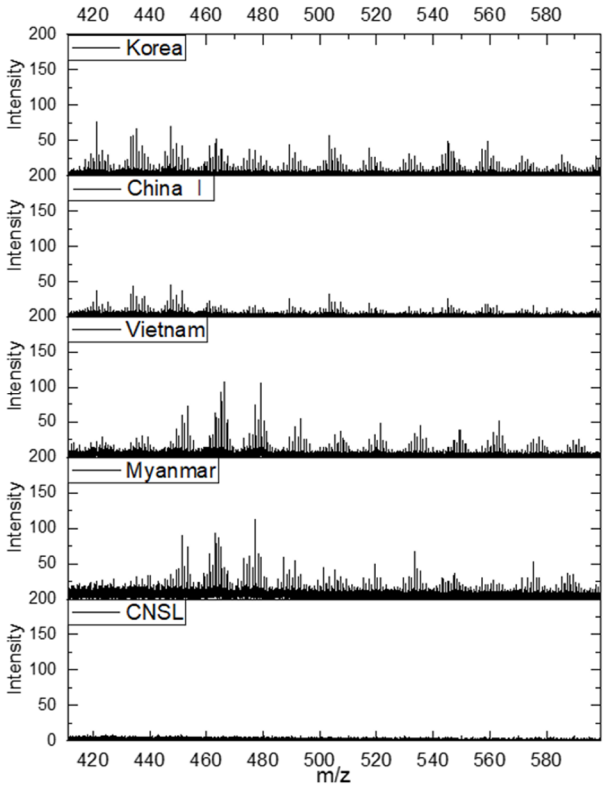

Figure S2. The negative ToF–SIMS spectra of different lacquer saps: *m*/*z* 411–599.

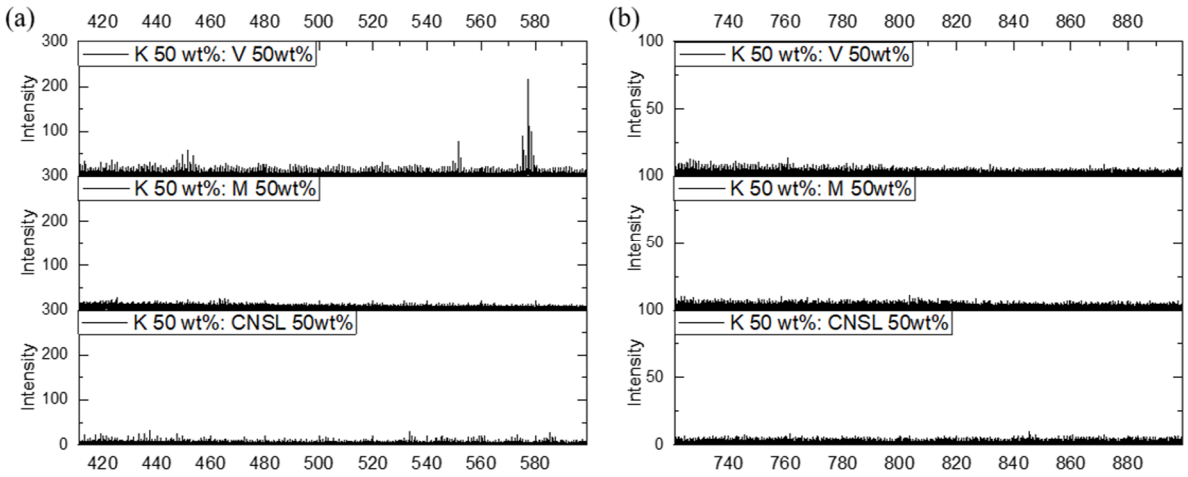

Figure S3. The positive Korean–Vietnamese, Korean–Myanmarese, and Korean–CNSL mixed lacquer spectra: (a) *m*/*z* 411–599; and (b) *m*/*z* 721–899.

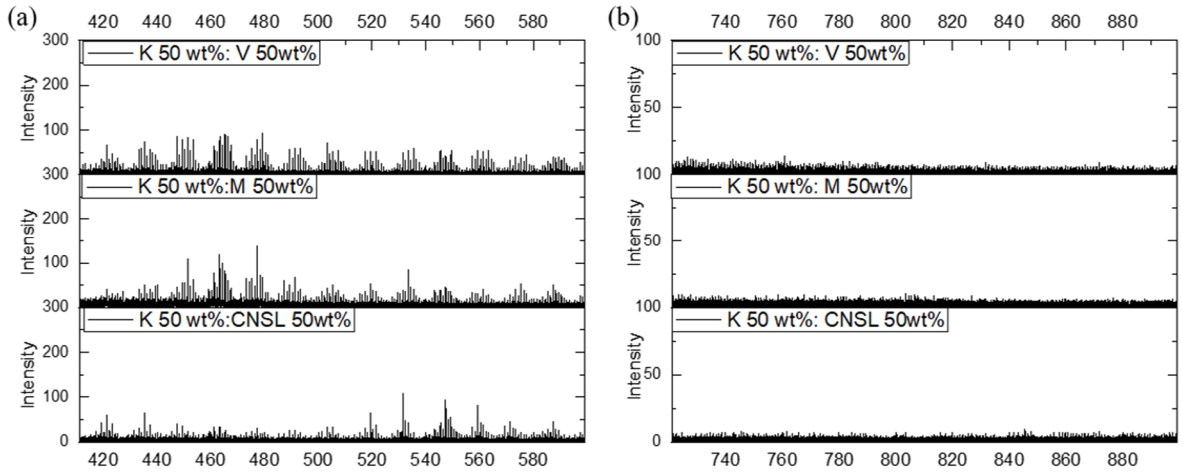

Figure S4. The negative Korean–Vietnamese, Korean–Myanmarese, and Korean–CNSL mixed lacquer spectra: (a) *m*/*z* 411–599; and (b) *m*/*z* 721–899.

Table S1. HPLC conditions for urushiol 15:3, urushiol 15:2, urushiol 15:1, laccol 17:0, and cardol 15:3 standard samples.

	urushiols (urushiol 15:3, 15:2, 15:1)	**laccol 17:0**	**cardol 15:3**
Column	C18 reverse-phase column YMC-Pack Pro C18, 250 × 4.6 mm I.D. S-5 μm, 12 nm		
Mobile phase	A: acetonitrile B: acqueous trifluoroactic acid, 0.1 vol% (A:B=90:10)	A: 0.1% THF in dilute water B: acetonitrile (A:B=95:5)	A: acetonitrile B: acqueous trifluoroactic acid, 0.1 vol% (A:B=90:10)
Flow rate	1 mL/min	1 mL/min	1 mL/min
Injection volume	10 μL	10 μL	10 μL
Temperature	30°C	40°C	30°C
Detection	UV, 260 nm	UV, 210 nm	UV, 280 nm
Sample solvent	chloroform	methanol	chloroform