

Fig. 31. Detection sensitivity of analytes measured under three different separation conditions. (a) without sweeping, injection pressure, 0.5 p.s.i.; injection time, 3 s; sample concentration, 50 mg/ L, (b) with sweeping Separation buffer, 180 mM SDS in 25 mM citric acid/disodium hydrogen phosphate buffer at pH 2.6; injection pressure, 0.5 p.s.i.; injection time, 240 s; sample concentration, 1 mg/L, sample dissolved in water, (c) with LVSS-sweeping-MEKC, sample dissolved in water, other experimental conditions as given in Fig. 30.

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|--------------------|-----------------------|-----------------|
| 1.sinapic acid | 2. ferulic acid | 3.coumaric acid |
| 4.chlorogenic acid | 5.caffeic acid | 6.syringic acid |
| 7.vanillic acid | 8.hydroxybenzoic acid | |

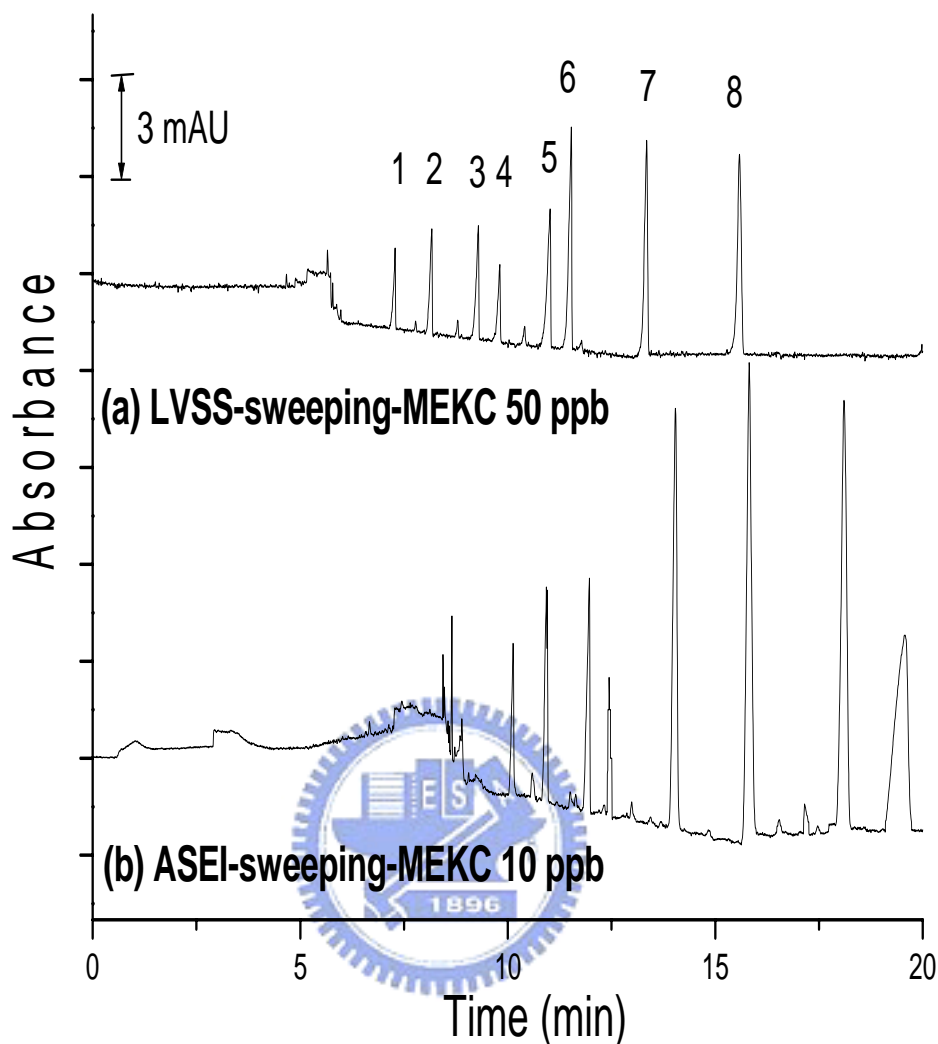


Fig. 32. Detection sensitivity of analytes measured under two different separation conditions. (a) with LVSS-sweeping-MEKC, sample dissolved in water, other experimental conditions as given in Fig. 30. (b) with ASEI-sweeping-MEKC, Separation micellar buffer, 180 mM SDS in 25 mM citric acid/disodium hydrogen phosphate buffer at pH 2.6; separation nonmicellar buffer, 25 mM citric acid/disodium hydrogen phosphate buffer at pH 2.6; injection pressure, 5 p.s.i.; injection time, 7 min; stacking time, 5.1 min; stacking voltage, -20 kV; applied voltage, -30 kV; sample concentration, 50 $\mu\text{g/L}$, sample dissolved in water.

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