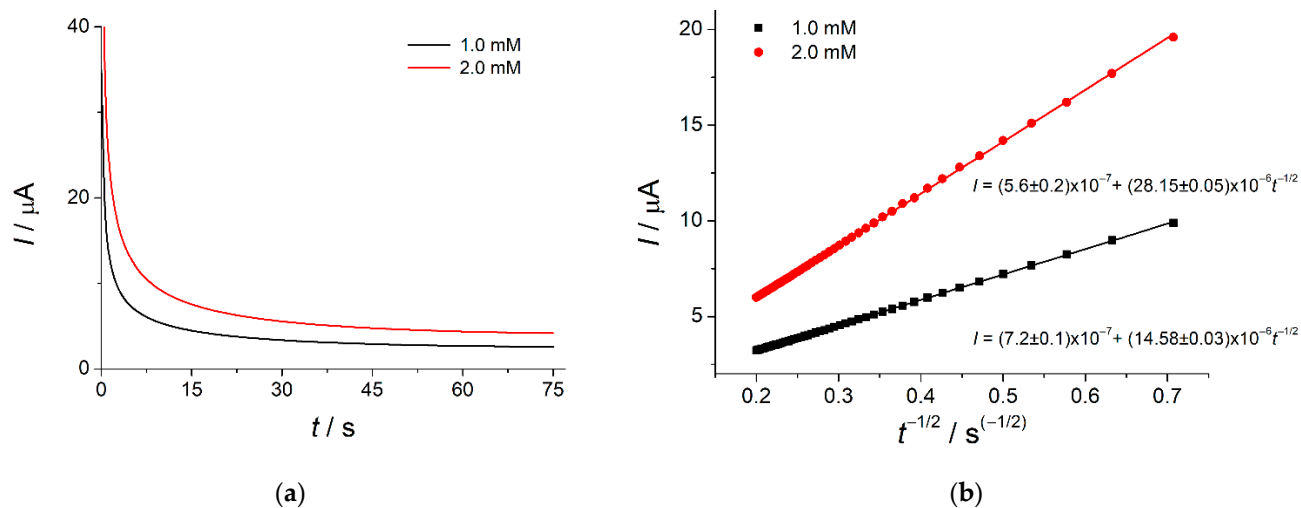


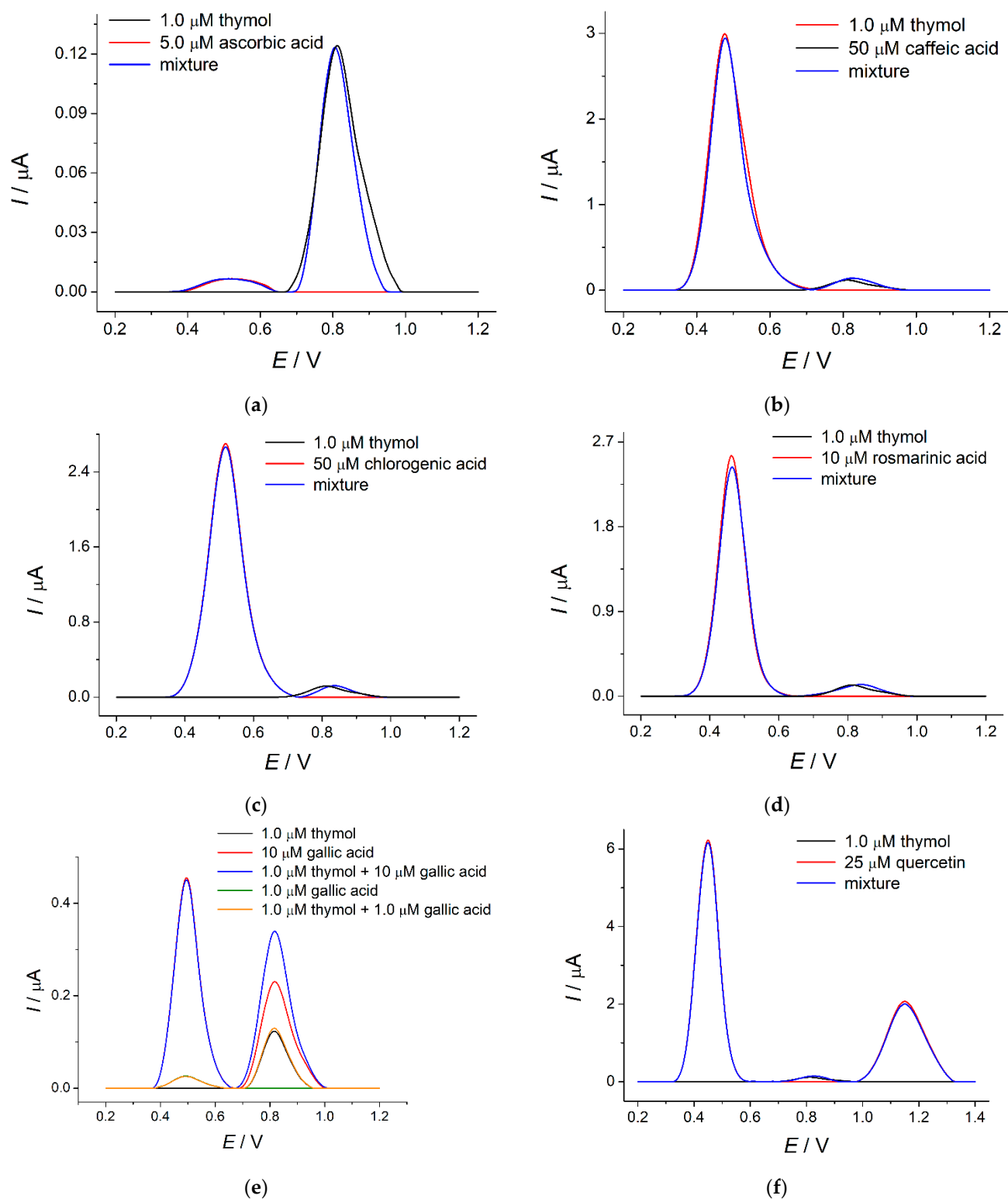
## Supplementary Materials

### Electrode Based on the MWCNTs and Electropolymerized Thymolphthalein for the Voltammetric Determination of Total Isopropylmethylphenols in Spices

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**Figure S1.** (a) Chronoamperometric curves of ferrocyanide ions in 0.1 M KCl at the bare GCE at 0.45 V; (b) Plot of  $I$  vs.  $t^{-1/2}$  on the basis of chronoamperometric data.



**Figure S2.** Effect of the ascorbic acid and natural phenolics on the voltammetric response of thymol at the polythymolphthalein/MWCNTs/GCE in Britton-Robinson buffer pH 2.0: (a) effect of 25  $\mu\text{M}$  ascorbic acid; (b) effect of 50  $\mu\text{M}$  caffeic acid; (c) effect of 50  $\mu\text{M}$  chlorogenic acid; (d) effect of 10  $\mu\text{M}$  rosmarinic acid; (e) effect of 10 and 1.0  $\mu\text{M}$  gallic acid; (f) effect of 25  $\mu\text{M}$  quercetin.  $\Delta E_{\text{mod}} = 100 \text{ mV}$ ,  $t_{\text{mod}} = 25 \text{ ms}$ ,  $v = 20 \text{ mV s}^{-1}$ .

**Table S1.** Recovery of total isopropylmethylphenols in spices extracts at the polythymolphthalein/MWCNTs/GCE in Britton–Robinson buffer pH 2.0 ( $n = 5$ ;  $P = 0.95$ ).

Extract	Spiked ( $\mu\text{M}$ )	Found ( $\mu\text{M}$ )	RSD (%)	<i>R</i> (%)
Oregano	0	$11 \pm 2$	3.0	
	5.50	$16.6 \pm 0.5$	1.3	$100 \pm 2$
	11.0	$22.0 \pm 0.2$	3.4	$99 \pm 3$
Thyme	0	$6.5 \pm 0.3$	1.8	
	3.25	$9.78 \pm 0.03$	0.17	$100.5 \pm 0.6$
	6.50	$13.1 \pm 0.2$	0.76	$101 \pm 2$