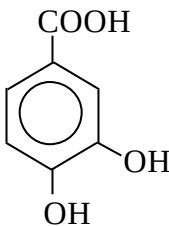
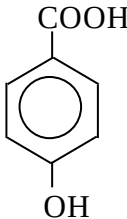
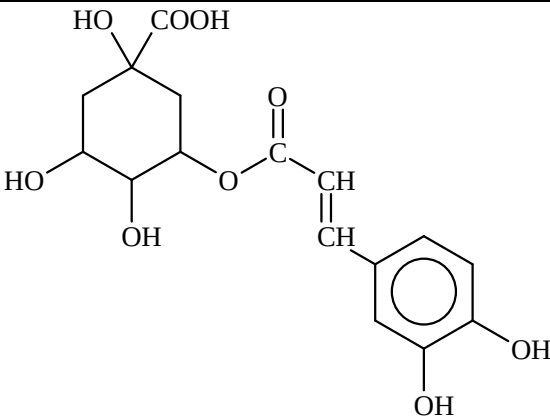
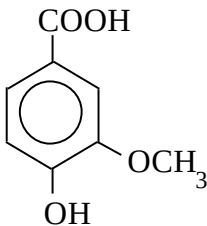
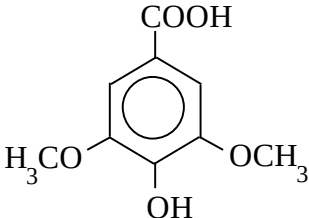
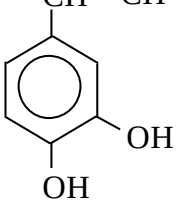
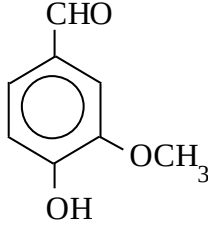
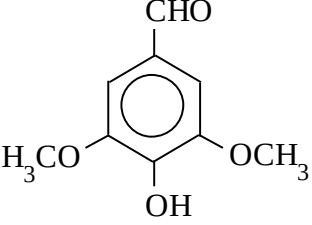
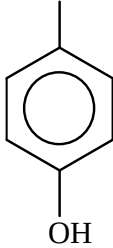
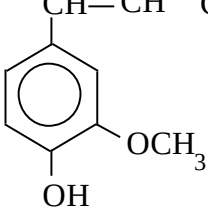
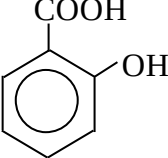


Table S1. List of phenolic compounds analysed.

Compound	Chemical formula	Symbol
Protocatechuic acid (3,4-dihydroxybenzoic acid) Supplier: Sigma-Aldrich		PA
<i>p</i> -Hydroxybenzoic acid (4-hydroxybenzoic acid) Supplier: Sigma-Aldrich		<i>p</i> -HA
Chlorogenic acid 3-(3,4-Dihydroxycinnamoyl)quinic acid Supplier: Sigma-Aldrich		CHA
Vanillic acid (4-hydroxy-3-methoxybenzoic acid) Supplier: Fluka		VA
Syringic acid (4-hydroxy-3,5-dimethoxybenzoic acid) Supplier: Fluka		SYR

Caffeic acid (3,4-dihydroxy-trans-cinnamic acid) Supplier: Sigma-Aldrich	$\text{CH}=\text{CH}-\text{COOH}$ 	CA
Vanillin (4-hydroxy-3-methoxybenzaldehyde) Supplier: Sigma-Aldrich	CHO 	VAN
Syringaldehyde (4-hydroxy-3,5-dimethoxybenzaldehyde) Supplier: Fluka	CHO 	SYAL
<i>p</i>-Coumaric acid (4-hydroxy-trans-cinnamic acid) Supplier: Fluka	$\text{CH}=\text{CH}-\text{COOH}$ 	<i>p</i> -CO
Ferulic acid (4-hydroxy-3-methoxy-trans-cinnamic acid) Supplier: Sigma-Aldrich	$\text{CH}=\text{CH}-\text{COOH}$ 	FEA
Salicylic acid (2-hydroxybenzoic acid) Supplier: Sigma-Aldrich	COOH 	SA