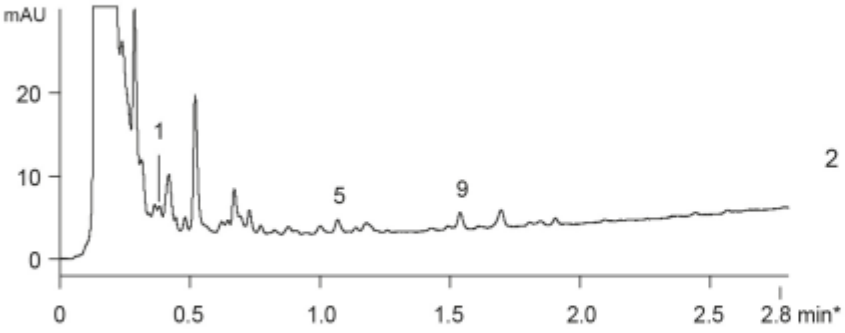
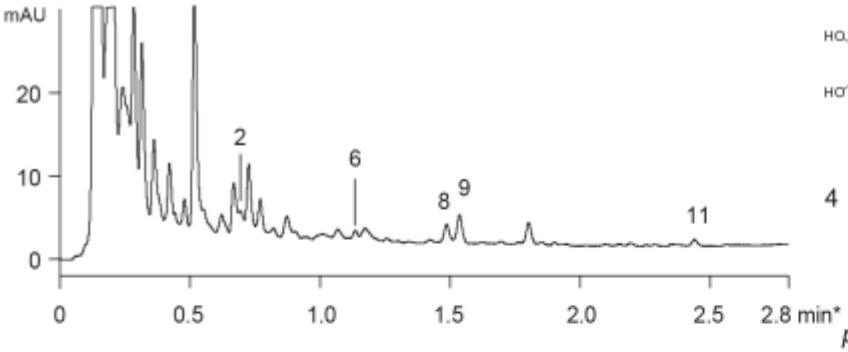
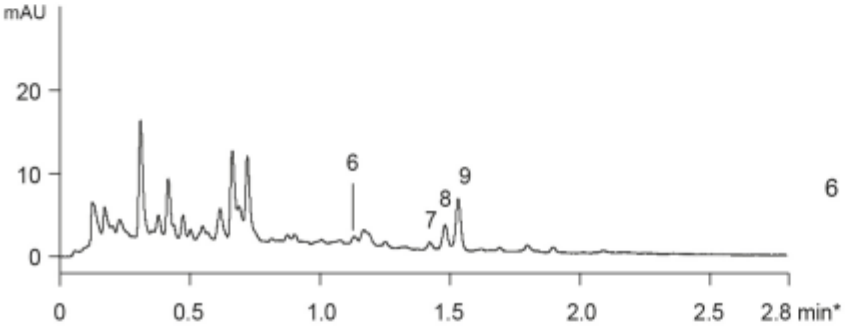
A) UV at 254 nm



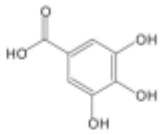
B) UV at 280 nm



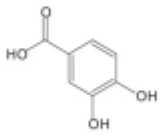
C) UV at 320 nm



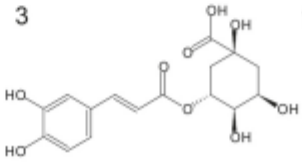
1 gallic acid



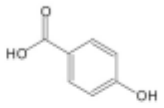
2 protocatechuic acid



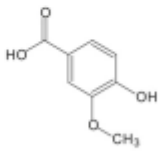
3 chlorogenic acid



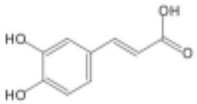
4 *p*-hydroxybenzoic acid



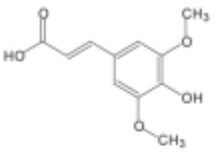
5 vanillic acid



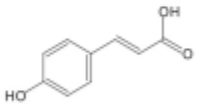
6 *trans*-caffeic acid



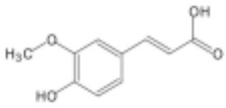
7 sinapic acid



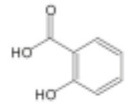
8 *p*-coumaric acid



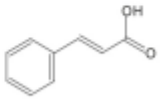
9 *trans*-ferulic acid



10 salicylic acid



11 *trans*-cinnamic acid



Column	:	YMC-UltraHT *Pro* C18 (2 μm, 12 nm) 50 X 2.0 mmI.D.
Eluent	:	A) water / HCOOH (200/0.4) B) acetonitrile / methanol / THF / water / HCOOH (43.5/43.5/13/100/0.4) 20-100%B (0-2.8 min)
Flow rate	:	0.5 mL/min
Temperature	:	40 °C
Detection	:	A) UV at 254 nm, B) UV at 280 nm, C) UV at 320 nm
Injection	:	2 μL
Samples	:	2 times dilution of a beer with water