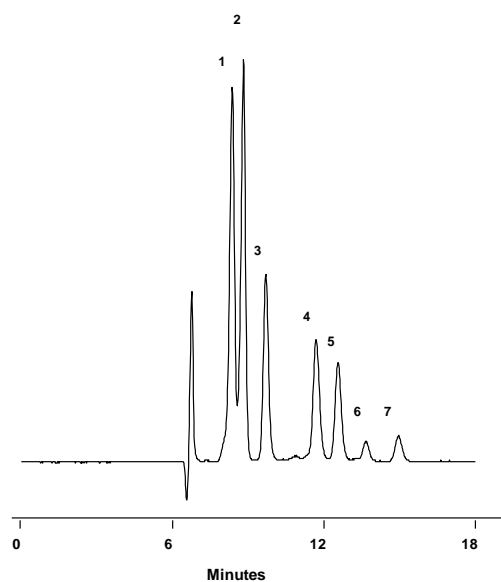
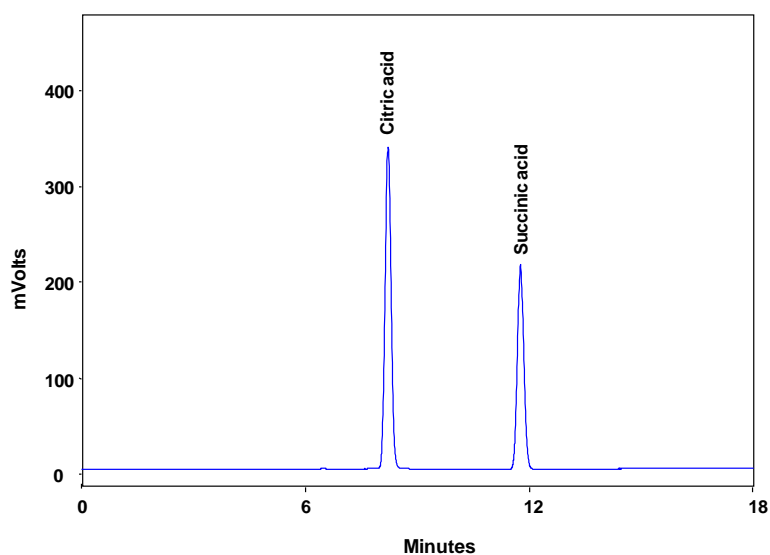
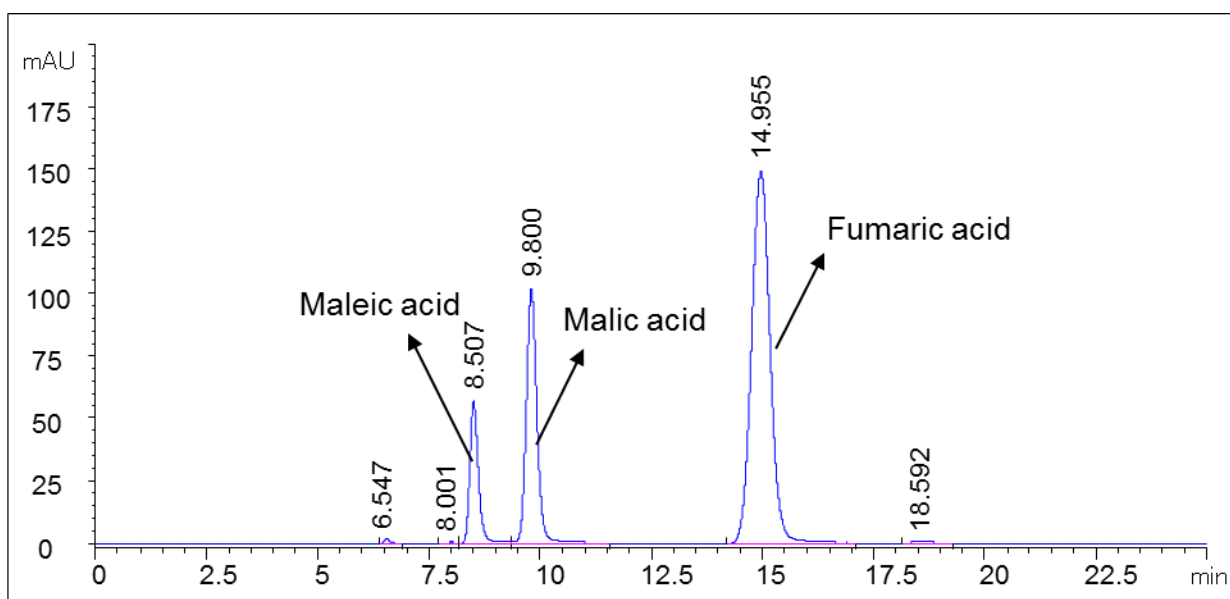


**Analysis of Organic Acids on Carbomix<sup>®</sup> H-NP10 (10  $\mu$ m, 8%, 7.8x300 mm)**

Column: Carbomix<sup>®</sup> H-NP10:8% (10  $\mu$ m, 8% crosslinking, 7.8\*300 mm)  
Mobile Phase: 2.5 mM H<sub>2</sub>SO<sub>4</sub>  
Flow Rate: 0.6 mL/min  
Temperature: 55 °C  
Detection: RI  
Injection Volume: 25  $\mu$ L  
Samples: 1. Citric acid; 2. Tartaric acid; 3. Malic acid; 4. Succinic acid; 5. Lactic acid; 6. Formic acid; 7. Acetic acid



Column: Carbomix<sup>®</sup> H-NP10:8% (7.8\*300 mm)  
Mobile Phase: TFA solution, pH 2.5  
Flow Rate: 0.6 mL/min  
Temperature: 55 °C  
Detection: ELSD  
Injection Volume: 2 µL  
Samples: citric acid, succinic acid



Column: Carbomix<sup>®</sup> H-NP10:8% (7.8\*300 mm)  
Mobile Phase: 5 mM H<sub>2</sub>SO<sub>4</sub>  
Flow Rate: 0.6 mL/min  
Temperature: 37 °C  
Detection: UV 210 nm  
Injection Volume: 20 µL  
Samples: malic acid 1mg/mL, maleic acid 4µg/mL and fumaric acid 10 µg/ml

Keywords: Carbohydrate, Carbomix, hydrogen form, organic acids