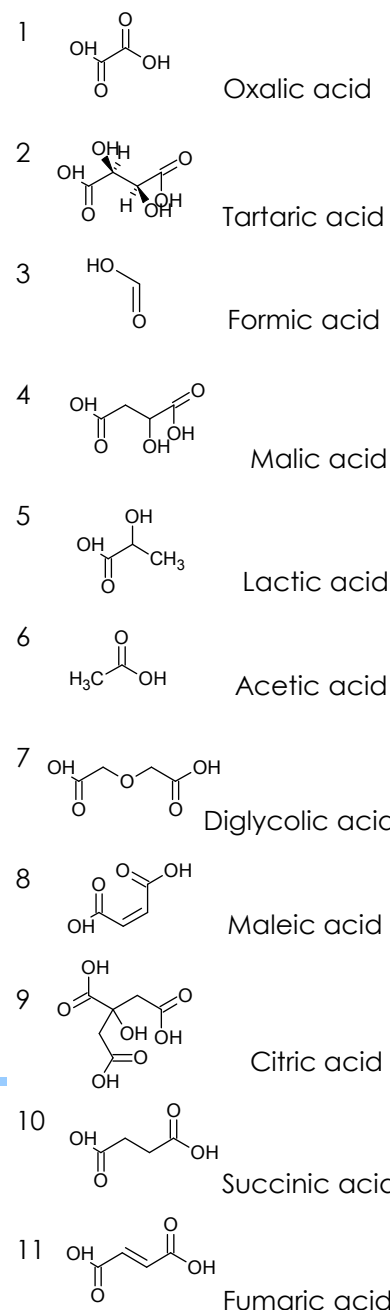
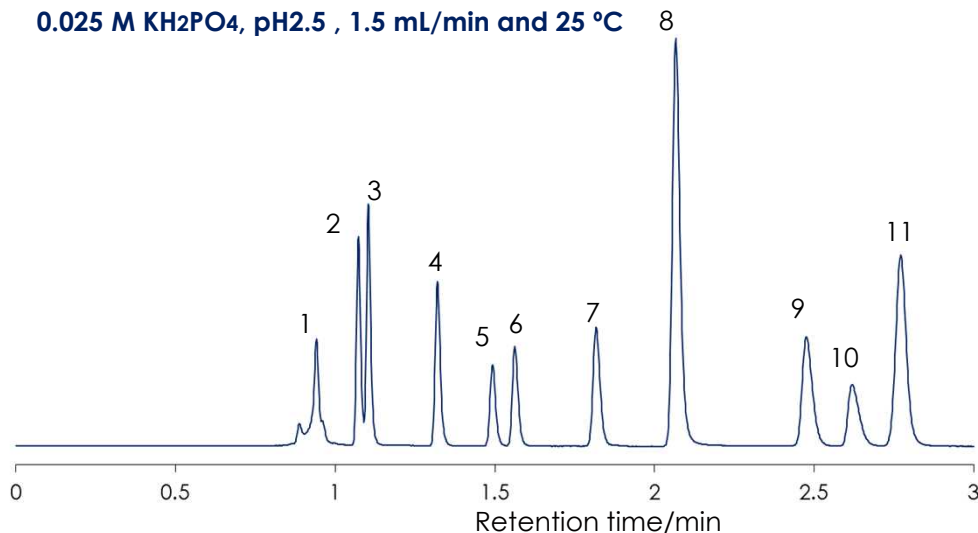


有機酸の分離 (2)

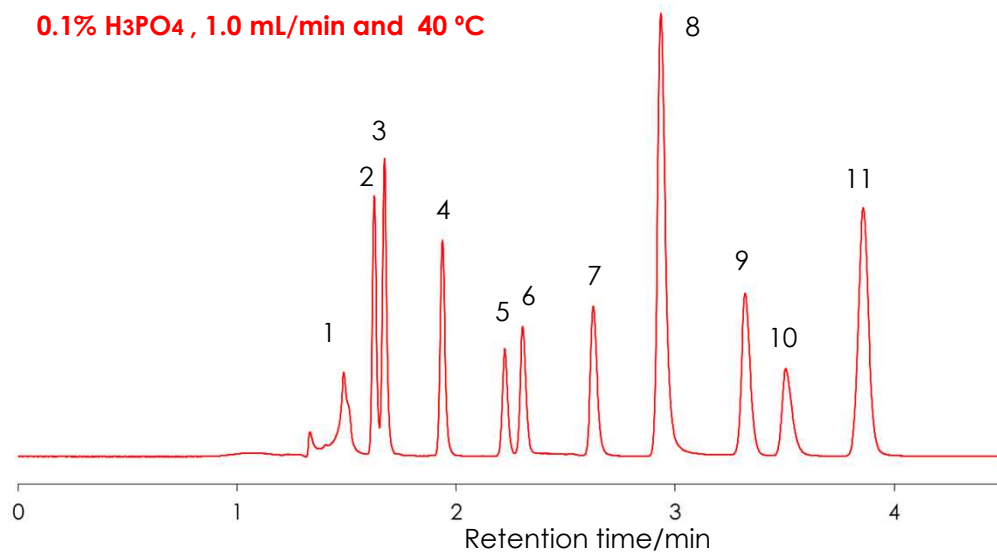
Organic acids (2)

SunShell RP-AQUA 2.6 μm , 150 x 4.6 mm i.d.

0.025 M KH_2PO_4 , pH2.5, 1.5 mL/min and 25 $^\circ\text{C}$



0.1% H_3PO_4 , 1.0 mL/min and 40 $^\circ\text{C}$



Column: SunShell RP-AQUA 2.6 μm , 150 x 4.6 mm

Mobile phase: 0.025 M KH_2PO_4 , pH2.5 and 0.1% H_3PO_4

Flow rate: 1.5 mL/min and 1.0 mL/min

Column pressure: 32 MPa for 1.5 mL/min and 18 MPa for 1.0 mL/min

Temperature: 25 $^\circ\text{C}$ and 40 $^\circ\text{C}$

Detection: UV@210nm

Injection volume: 2 μL

Sample: 1 = Oxalic acid (60 ppm), 2 = Tartaric acid (500 ppm), 3 = Formic acid (1000 ppm),

4 = Malic acid (1000 ppm), 5 = Lactic acid (1000 ppm), 6 = Acetic acid (1000 ppm),

7 = Diglycolic acid (1000 ppm), 8 = Maleic acid (100 ppm), 9 = Citric acid (1000 ppm),

10 = Succinic acid (1000 ppm), 11 = Fumaric acid (10 ppm).