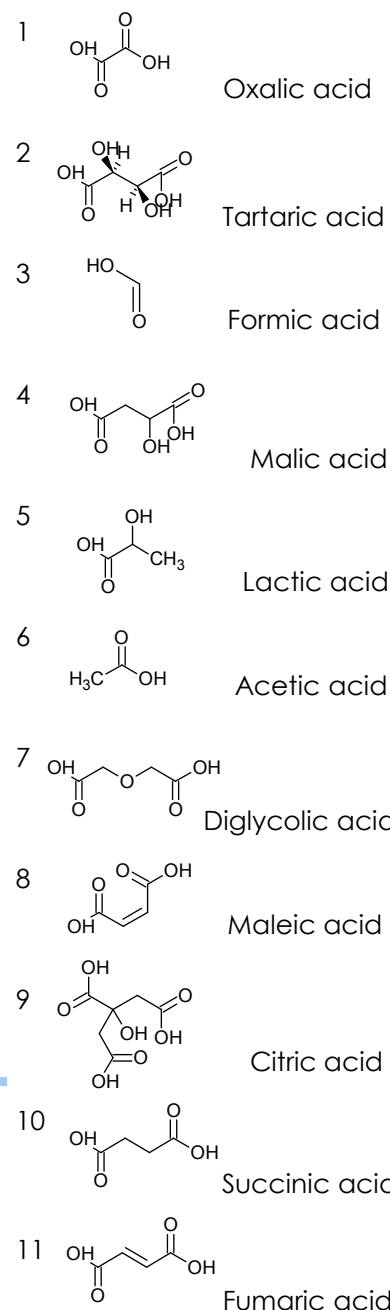
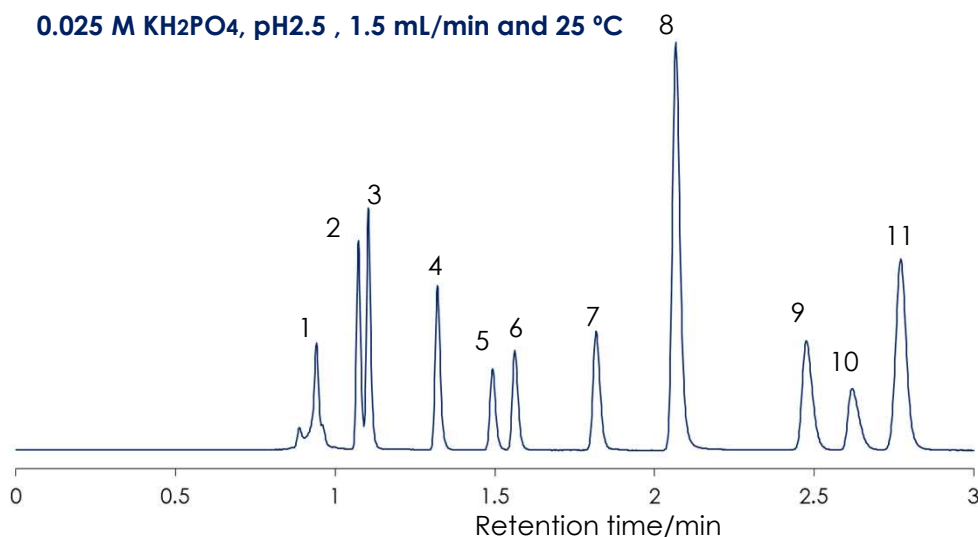


## 有機酸の分離 (2)

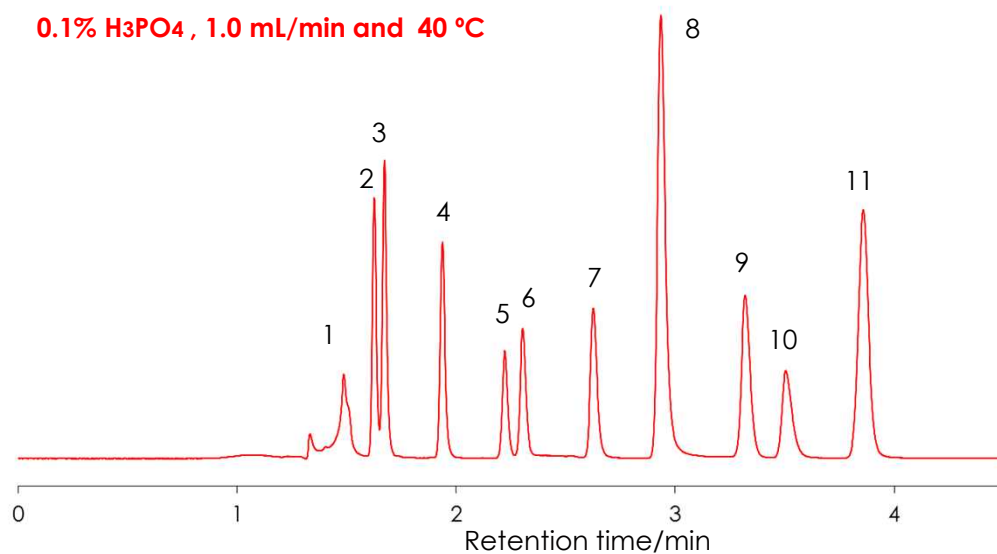
### Organic acids (2)

SunShell RP-AQUA 2.6  $\mu\text{m}$ , 150 x 4.6 mm i.d.

0.025 M  $\text{KH}_2\text{PO}_4$ , pH2.5, 1.5 mL/min and 25  $^\circ\text{C}$



0.1%  $\text{H}_3\text{PO}_4$ , 1.0 mL/min and 40  $^\circ\text{C}$



Column: SunShell RP-AQUA 2.6  $\mu\text{m}$ , 150 x 4.6 mm

Mobile phase: 0.025 M  $\text{KH}_2\text{PO}_4$ , pH2.5 and 0.1%  $\text{H}_3\text{PO}_4$

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  $\mu\text{L}$

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).