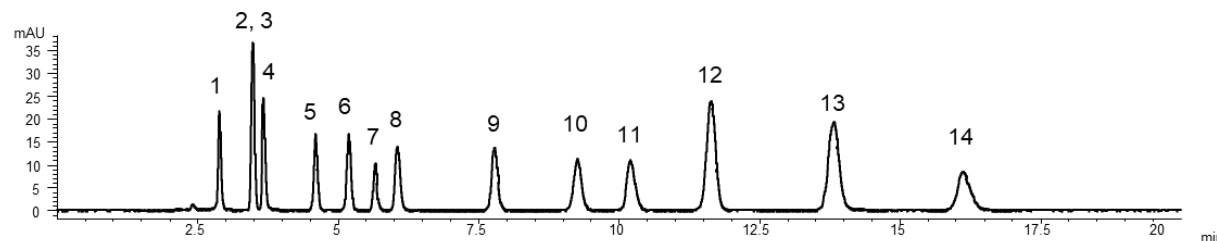


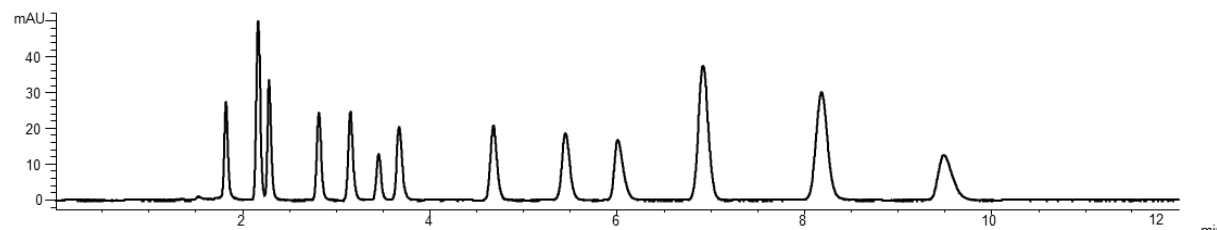
# Analysis of Organic acid (HPLC⇔UHPLC)

## Separation comparison by difference in particle size

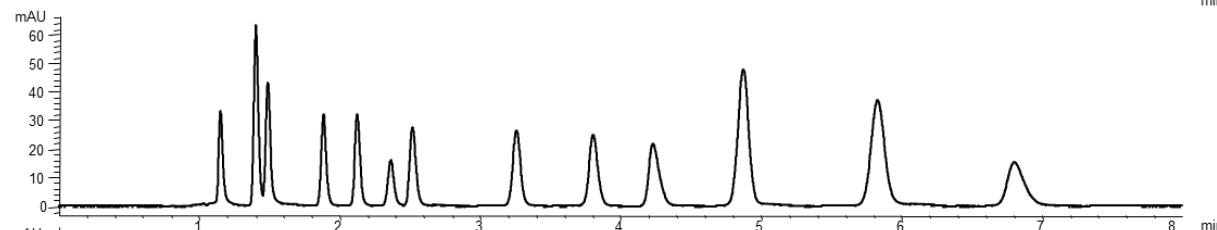
5  $\mu\text{m}$ , 250 X 3.0 mmI.D.  
0.425 mL/min



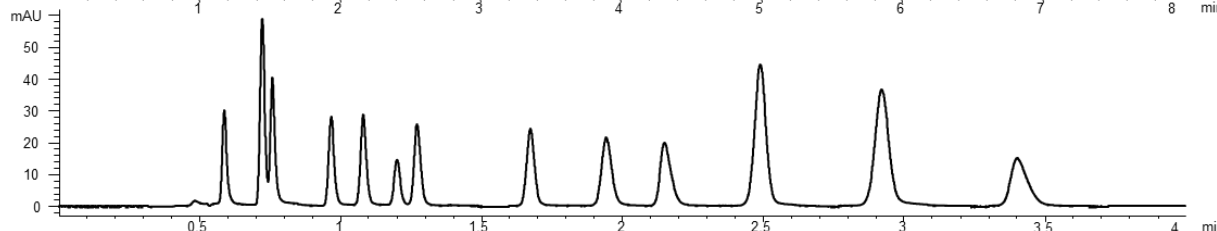
P/N 227-31018-04  
3  $\mu\text{m}$ , 150 x 3.0 mm  
0.425 mL/min



P/N 227-31013-03  
1.9  $\mu\text{m}$ , 100 x 3.0 mm  
0.425 mL/min



P/N 227-31013-03  
1.9  $\mu\text{m}$ , 100 x 3.0 mm  
0.85 mL/min



### Conditions

**Column** : Shim-pack Scepter C18-120  
**Eluent** : 20 mM H<sub>3</sub>PO<sub>4</sub>  
**Flow Rate** : 0.425 mL/min  
**Col. Temp.** : 37°C  
**Detection** : UV 220 nm

### Analytes:

1. Oxalic acid	6. Malonic acid	11. Succinic acid
2. Tartaric acid	7. Lactic acid	12. Fumaric acid
3. Glycolic acid	8. Acetic acid	13. Acrylic acid
4. Formic acid	9. Maleic acid	14. Propionic acid
5. L-Malic acid	10. Citric acid	