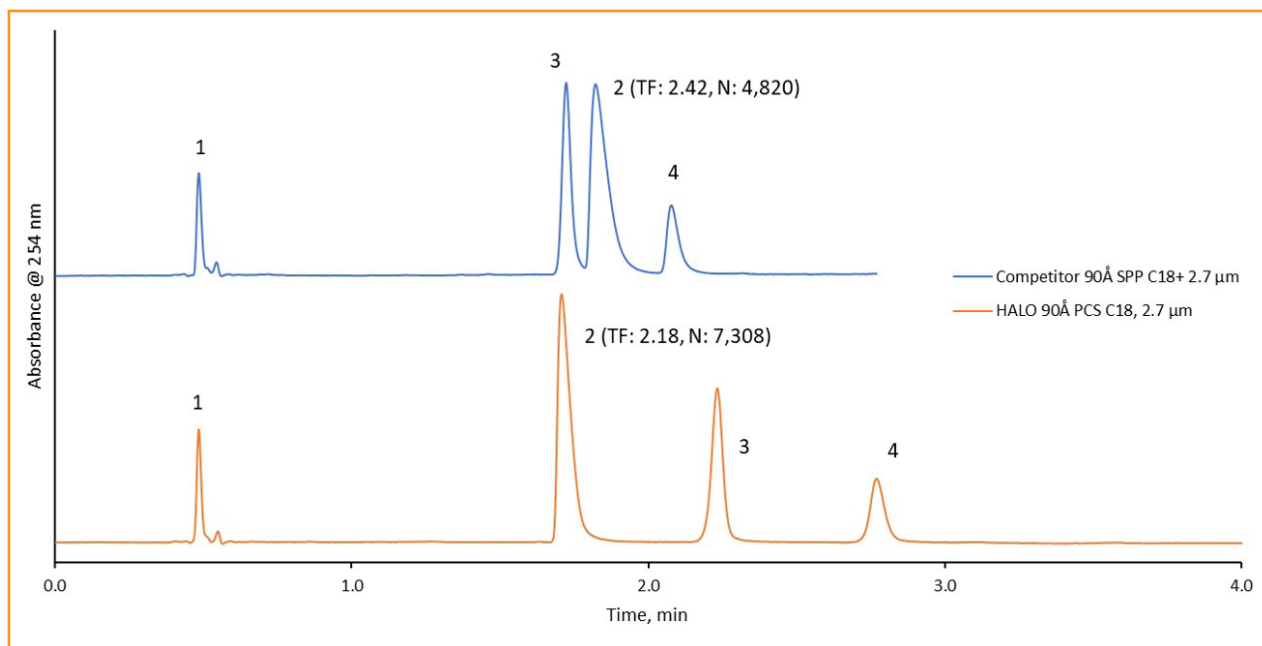




HALO 90 Å PCS C18 Compared to Competitor SPP Charged Surface Phase

350



TEST CONDITIONS:

Column: HALO 90 Å PCS C18, 2.7µm, 2.1 x 100mm

Part Number: 92812-617

Mobile Phase A: Water, 0.1% Formic Acid

Mobile Phase B: Acetonitrile, 0.1% Formic Acid

Isocratic: HALO 90 Å PCS C18: 24 %B

Competitor C18+: 26 %B

Flow Rate: 0.4 mL/min

Back Pressure: 238 bar

Temperature: 35 °C

Injection: 0.5 µL

Sample Solvent: 70/30 Water/ ACN

Wavelength: PDA, 254 nm

Flow Cell: 1 µL

Data Rate: 100 Hz

Response Time: 0.025 sec.

LC System: Shimadzu Nexera X2

PEAK IDENTITIES:

1. Uracil

2. Imipramine

3. 4-Methoxybenzoic Acid

4. 2-Chlorobenzoic Acid

The HALO 90 Å PCS C18 column contains a positively charged stationary phase ideal for separating basic analytes while using low ionic strength mobile phases such as formic acid. A comparison against a different positively charged stationary phase on the market is demonstrated showing a difference in selectivity with a panel of acidic, basic, and neutral compounds.

