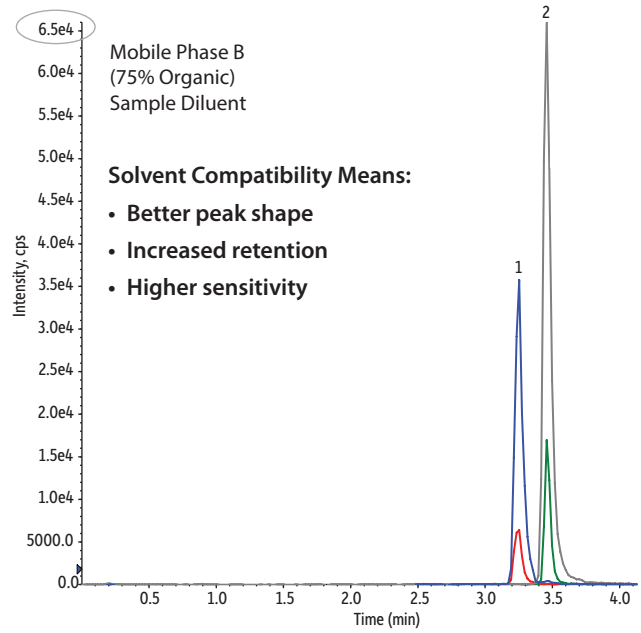
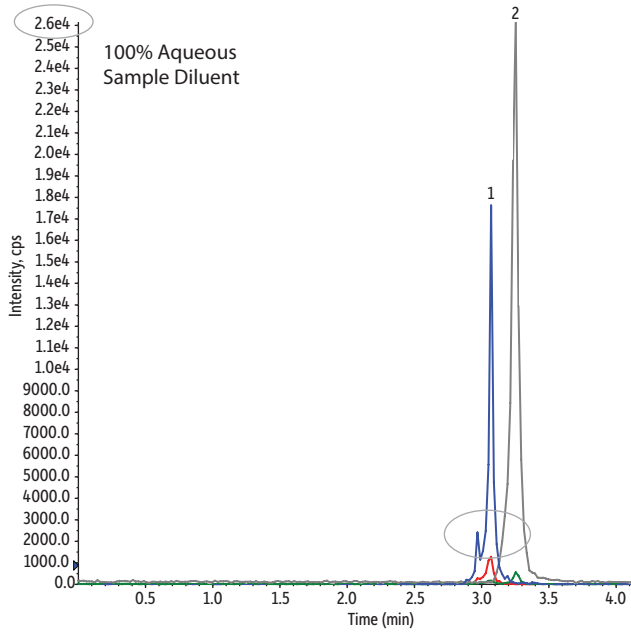


Diluent Effects: Paraquat and Diquat on Raptor HILIC-Si



Solvent Compatibility Means:

- Better peak shape
- Increased retention
- Higher sensitivity

LC_FS0517

Peaks	Precursor Ion 1	Product Ion 1	Precursor Ion 2	Product Ion 2
1. Diquat	183.3	157.2	183.3	130.1
2. Paraquat	185.3	170.3	171.3	77.2

Column Raptor HILIC-Si (cat.# 9310A52)
Dimensions: 50 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Temp.: 45 °C
Sample Paraquat & diquat calibration mix (cat.# 32437)
Conc.: 50 ng/mL (cat.# 32437 diluted to 50 ng/mL)
Inj. Vol.: 5 µL
Mobile Phase
A: Water, 50 mM ammonium formate, 0.5% formic acid
B: 25:75 Water:acetonitrile, 50 mM ammonium formate, 0.5% formic acid

Time (min)	Flow (mL/min)	%A	%B
0.00	0.6	0	100
4.00	0.6	35	65
4.01	0.6	0	100
7.00	0.6	0	100

Detector MS/MS
Ion Mode: ESI+
Mode: MRM
Instrument HPLC