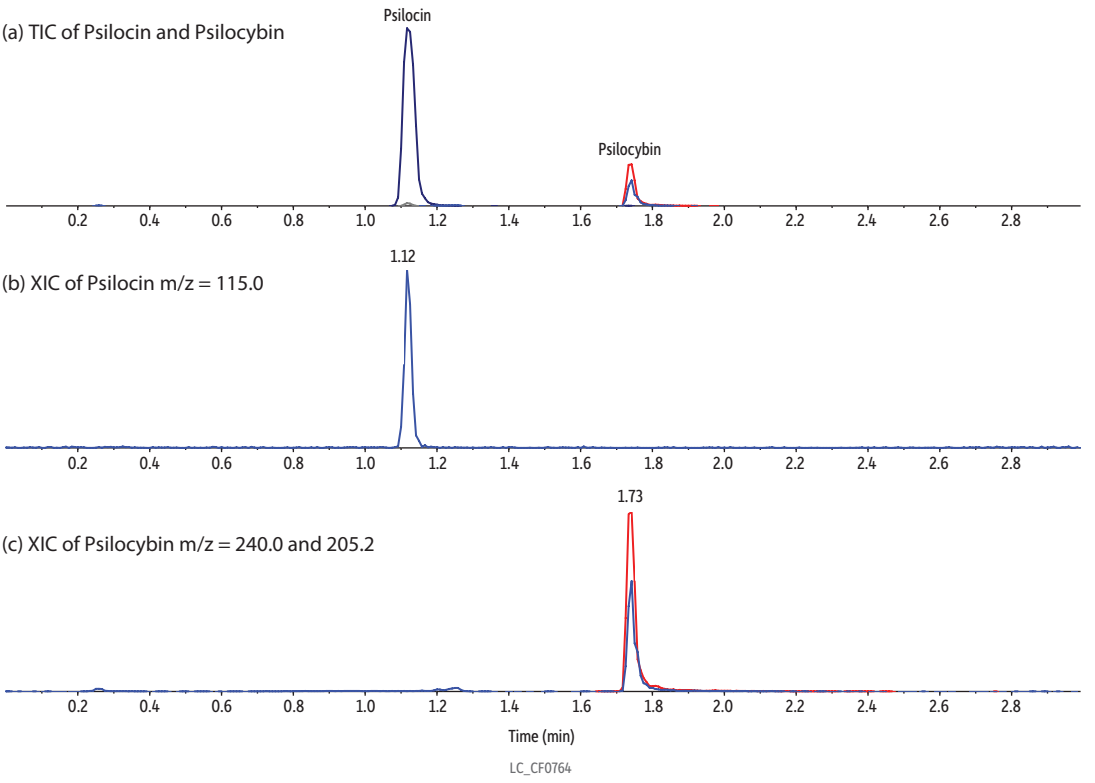
Psilocybin and Psilocin on Raptor HILIC-Si by LC-MS/MS

- **Simple LC-MS/MS method retains and separates psilocin and psilocybin prepared in solvent.**
- **Fast 3-minute analysis.**
- **Can be applied to real mushrooms samples.**



Peaks	tR (min)	Conc. (ng/mL)	Precursor Ion	Product Ion 1	Product Ion 2
1. Psilocin	1.12	100	205.1	160.1	115.0
2. Psilocybin	1.73	100	285.1	240.0	205.2

Column	Raptor HILIC-Si (cat.# 9310A52)
Dimensions:	50 mm x 2.1 mm ID
Particle Size:	2.7 µm
Pore Size:	90 Å
Temp.:	40 °C
Standard/Sample	
Diluent:	10 mM Ammonium formate in 90:10 acetonitrile:water (v/v)
Conc.:	100 ng/mL
Inj. Vol.:	2 µL
Mobile Phase	
A:	Water, 10 mM ammonium formate
B:	90:10 Acetonitrile:water (v/v), 10 mM ammonium formate

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	0	100
0.2	0.5	0	100
1.70	0.5	95	5
1.71	0.5	0	100
3.00	0.5	0	100

Detector	MS/MS
Ion Source:	Electrospray
Ion Mode:	ESI+
Mode:	MRM
Sample Preparation	A 100 ng/mL standard mix of psilocin and psilocybin was prepared in 10 mM ammonium formate in 90:10 acetonitrile:water (v/v). The solution was vortexed at 3000 rpm for 10 seconds to mix, and then the supernatant was injected for LC-MS/MS analysis.