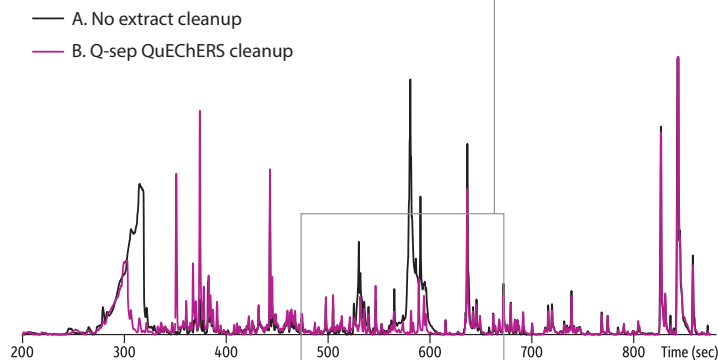
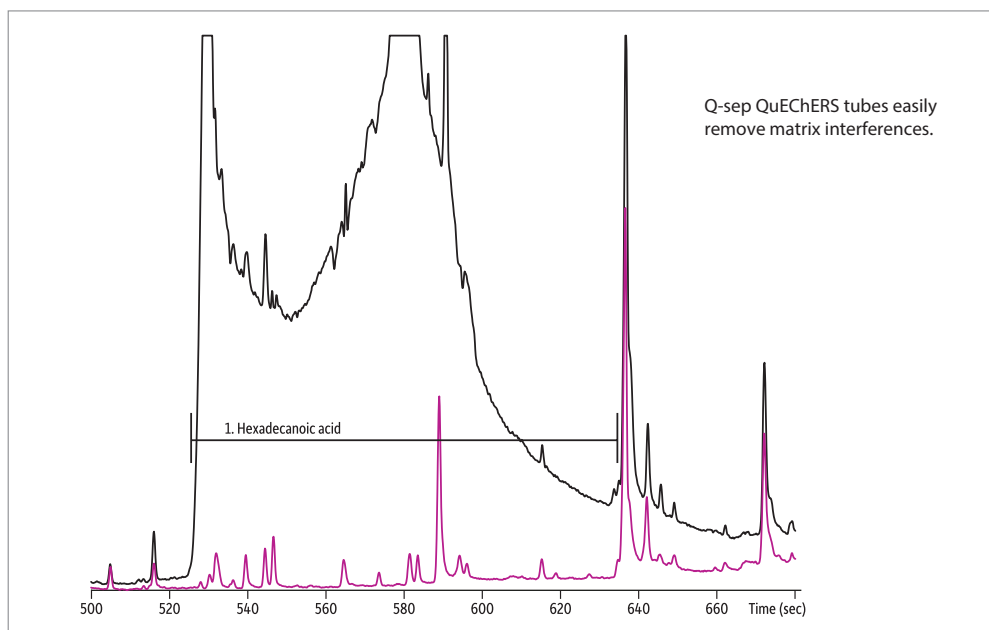


Pesticides on Sweet Potato With and Without QuEChERS dSPE Cleanup on Rxi-5Si1 MS



GC_FF01125-1127

Column Rxi-5Si1 MS, 20 m, 0.18 mm ID, 0.18 μ m (cat.# 43602)
Sample Sweet potato spiked with pesticide mix and extracted with acetonitrile and Q-sep QuEChERS EN Method 15662 extraction salts

Injection
 Inj. Vol.: 1.0 μ L splitless (hold 1 min)
 Liner: Single taper (4 mm) w/deact. wool (cat.# 22405)
 Inj. Temp.: 250 $^{\circ}$ C

Oven
 Oven Temp.: 72.5 $^{\circ}$ C (hold 1 min) to 350 $^{\circ}$ C at 20 $^{\circ}$ C/min

Carrier Gas He, constant flow

Flow Rate: 1.2 mL/min

Detector MS

Mode:
 Transfer Line Temp.: 300 $^{\circ}$ C

Analyzer Type: TOF

Ionization Mode: EI

Acquisition Range: 45-550 amu

Instrument Agilent/HP6890 GC

Notes
 A. Extract (without cleanup step) acidified with formic acid to pH 5
 B. Extract with cleanup using Q-sep QuEChERS dSPE cleanup tube (cat.# 26124) acidified with formic acid to pH 5.

Scan range: m/z 60, 73, 87, 129, 256 plotted