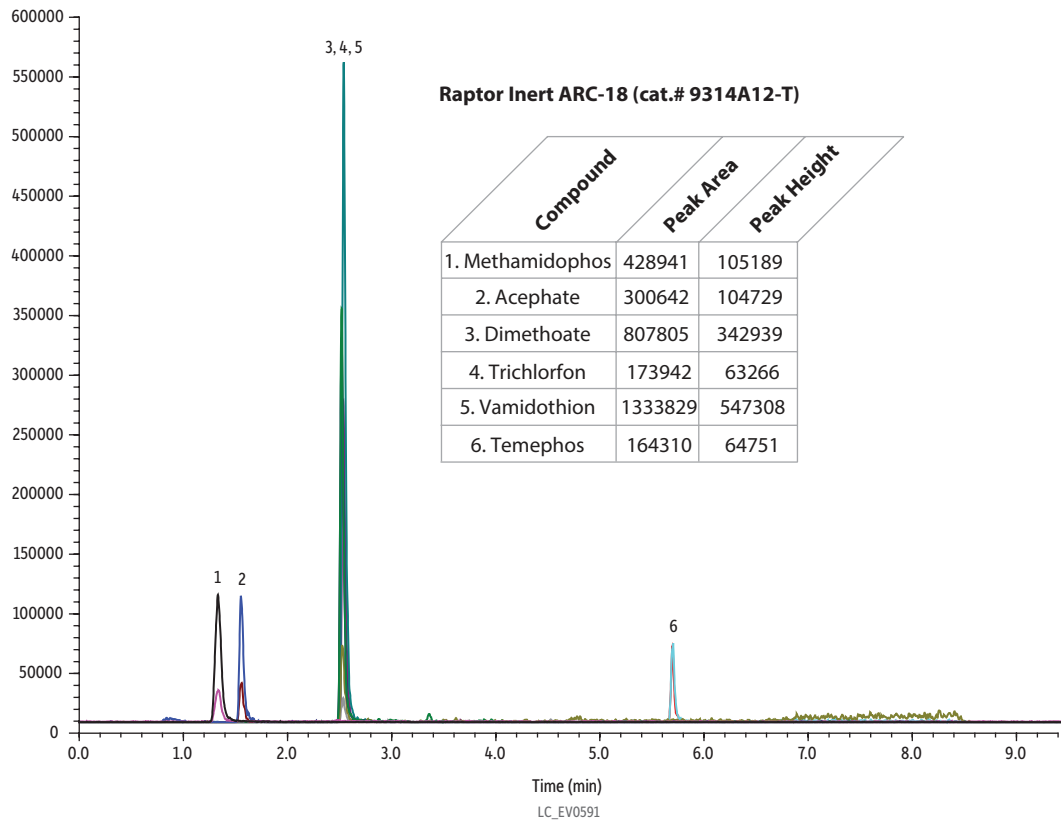
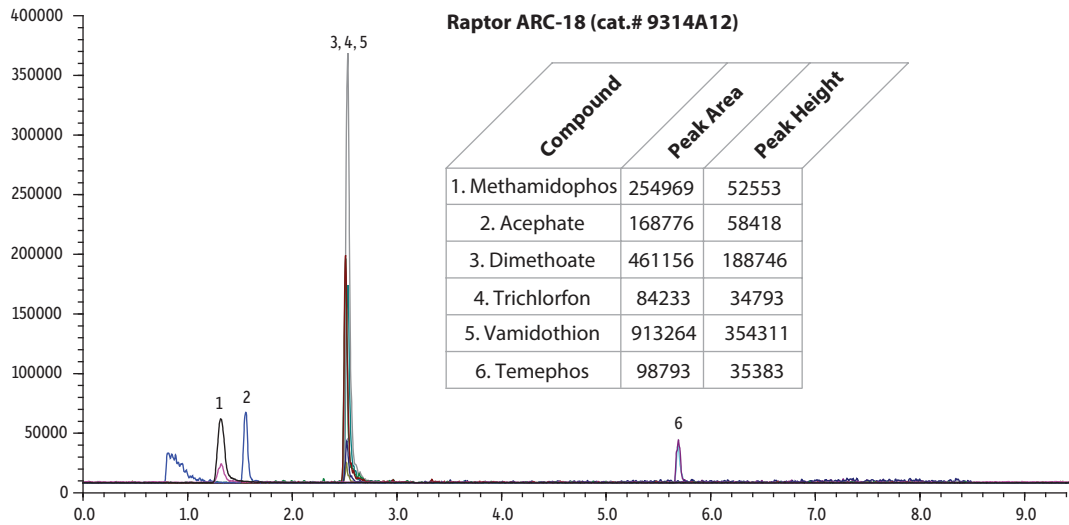


## Comparison of Pesticides on Raptor Inert ARC-18 and Raptor ARC-18



Peaks	Precursor Ion	Product Ion 1	Product Ion 2
1. Methamidophos	142.0	94.0	125.1
2. Acephate	184.0	143.0	48.9
3. Dimethoate	230.0	125.0	199.0
4. Trichlorfon	257.0	108.9	220.8
5. Vamidothion	288.0	146.0	118.0
6. Temephos	467.1	124.9	418.9

**Column** See notes.  
**Dimensions:** 100 mm x 2.1 mm ID  
**Particle Size:** 2.7 µm  
**Pore Size:** 90 Å  
**Temp.:** 50 °C  
**Standard/Sample** LC multiresidue pesticide standard #1 (cat.# 31972)  
**Diluent:** Water, 0.1% formic acid  
**Conc.:** 1 ng/mL  
**Inj. Vol.:** 5 µL  
**Mobile Phase**  
**A:** Water, 2 mM ammonium formate, 0.1% formic acid  
**B:** Methanol, 2 mM ammonium formate, 0.1% formic acid

**Max Pressure:** 258 bar  
**Detector:** Shimadzu LCMS-8060  
**Ion Mode:** ESI+  
**Mode:** MRM  
**Instrument:** Shimadzu Nexera X2  
**Notes** Columns are:  
 • Raptor Inert ARC-18 (cat.# 9314A12-T)  
 • Raptor ARC-18 (cat.# 9314A12)

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	95	5
2.00	0.4	40	60
4.00	0.4	25	75
6.00	0.4	0	100
7.50	0.4	0	100
7.51	0.4	95	5
9.00	0.4	95	5