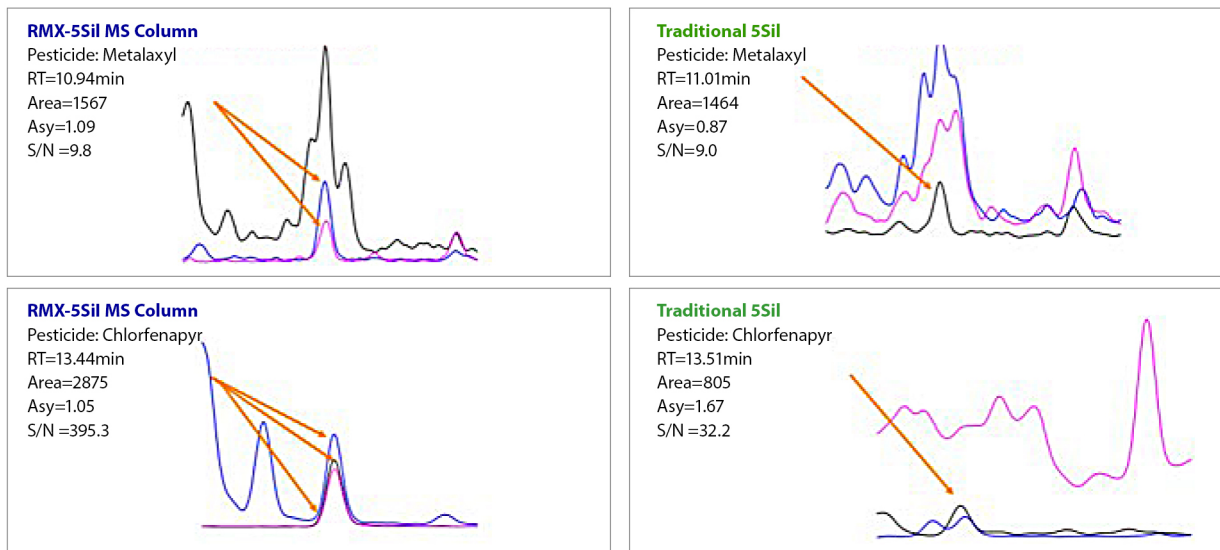


Now Foods Figure 3: Compared Traditional 5sil Column to RMX-5Sil MS for Metalaxyl and Chlorfenapyr in Ashwagandha



GC_F50620

Peaks	tr (min)	Conc. (ng/mL)	Precursor	Product	Collision Energy
1. Metalaxyl	10.781	50	206.0	132.0	12
2. Metalaxyl	10.781	50	249.2	146.1	22
3. Metalaxyl	10.781	50	249.2	190.1	8
4. Chlorfenapyr	13.276	50	136.9	102.0	12
5. Chlorfenapyr	13.276	50	248.9	112.0	24
6. Chlorfenapyr	13.276	50	248.9	137.1	18

Column RMX-5Sil MS GC capillary column with 5 m Integra-Guard & Integra-Transfer Line, 30 m, 0.25 mm ID, 0.25 μ m (cat.# 17323-124177)
Standard/Sample Custom standards
Conc.: 50 pg on-column concentration
Injection
Inj. Vol.: 1 μ L splitless (hold 0.8 min)
Liner: Topaz 4.0 mm ID single taper liner w/wool (cat.# 23447)
Inj. Temp.: 260 °C
Purge Flow: 60 mL/min
Oven
Oven Temp.: 40 °C (hold 1.5 min) to 90 °C at 40 °C/min (hold 1.5 min) to 180 °C at 40 °C/min to 250 °C at 10 °C/min to 280 °C at 5 °C/min to 320 °C at 10 °C/min (hold 5 min)
Carrier Gas He, constant flow
Flow Rate: 1.4 mL/min
Linear Velocity: 32 cm/sec @ 40 °C
Dead Time: 1.56 min @ 40 °C
Detector Thermo Scientific TSQ 9610 Triple Quadrupole GC-MS
Transfer Line Temp.: 280 °C
Analyzer Type: Quadrupole
Tune Type: PFTBA
Ionization Mode: EI
Instrument Thermo Scientific Trace 1610 GC
Acknowledgement NOW Foods