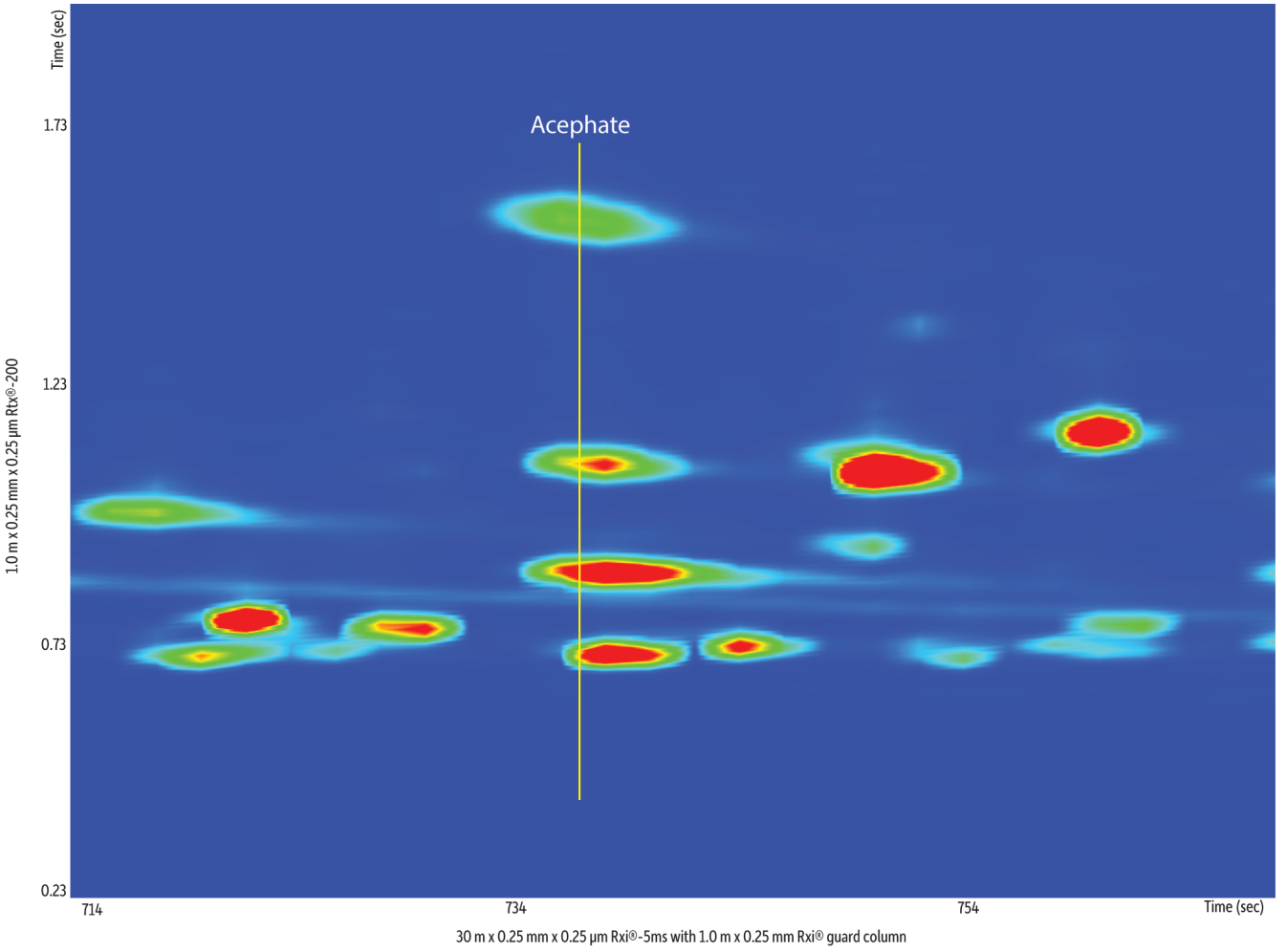
GCxGC-TOFMS Contour Plot Showing Potential Isobaric Interference with Acephate (m/z 136) in 1D Analysis



GC_FS0504

Column	Rxi®-5ms 30 m, 0.25 mm ID, 0.25 µm (cat.# 13423) with Rxi® guard column 1.0 m, 0.25 mm ID (cat.# 10029) Rtx®-200 1.0 m, 0.25 mm ID, 0.25 µm (cat.# 15124)
Sample	505 Organohalide pesticide mix (cat.# 32024) QuEChERS performance standards kit (cat.# 31152) QuEChERS internal standard mix for GC-MS analysis (cat.# 33267)
Diluent:	Acetonitrile
Injection	
Inj. Vol.:	1.0 µL splitless (hold 1.0 min)
Liner:	Premium 4 mm single taper (cat.# 23302.1)
Inj. Temp.:	250 °C
Purge Flow:	40 mL/min
Oven	
Oven Temp.:	Rxi®-5ms: 70 °C (hold 1.0 min) to 330 °C at 8.0 °C/min (hold 6.5 min) Rtx®-200: 75 °C (hold 1.0 min) to 335 °C at 8.0 °C/min (hold 6.5 min)
Carrier Gas	He, corrected constant flow (1.4 mL/min)
Modulation	
Modulator Temp. Offset:	20 °C
Second Dimension Separation Time:	2.00 sec
Hot Pulse Time:	0.60 sec
Cool Time between Stages:	0.40 sec
Detector	MS
Mode:	
Transfer Line Temp.:	320 °C
Analyzer Type:	TOF
Source Temp.:	225 °C
Electron Energy:	70 eV
Mass Defect:	-20 mu/100 u
Ionization Mode:	EI
Acquisition Range:	45-550 amu
Spectral Acquisition Rate:	100 spectra/sec
Instrument	LECO Pegasus® 4D GCxGC-TOFMS
Notes	All column connections were made with an SGE® SilTite® µ-union.

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