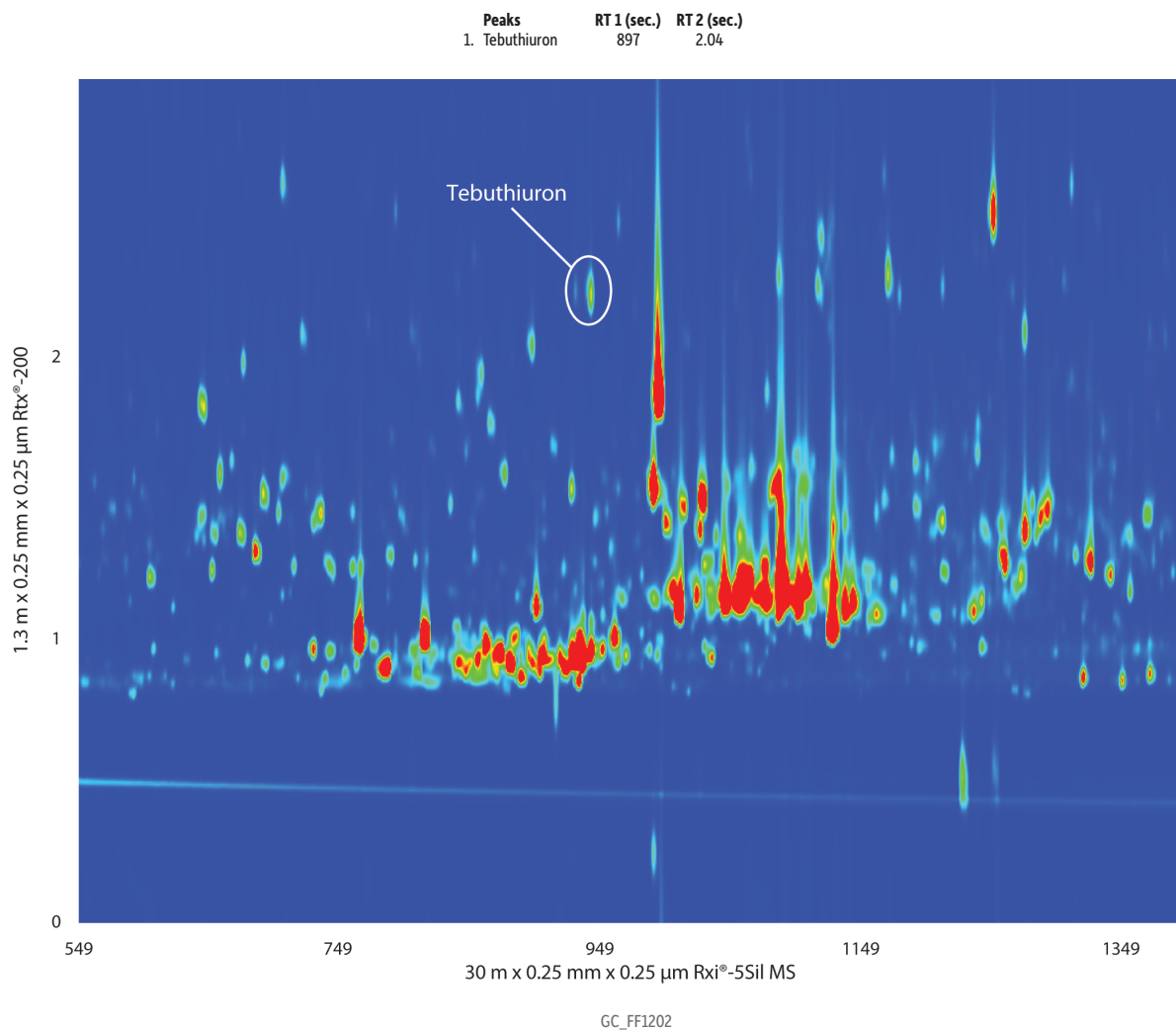


Tebuthiuron in a QuEChERS Extract of Marijuana by GCxGC on Rxi-5Sil MS and Rtx-200



Column
 Rxi-5Sil MS 30 m, 0.25 mm ID, 0.25 µm (cat.# 13623)
 Rtx-200 1.3 m, 0.25 mm ID, 0.25 µm (cat.# 15020)

Sample
 Diluent: Toluene

Injection
 Inj. Vol.: 1 µL splitless (hold 1 min.)
 Liner: Premium 4mm Single Taper w/Wool (cat.# 23303)
 Inj. Temp.: 250 °C
 Purge Flow: 40 mL/min.

Oven
 Oven Temp: Rxi-5Sil MS: 80 °C (hold 1 min.) to 310 °C at 5 °C/min.
 Rtx-200: 85 °C (hold 1 min.) to 315 °C at 5 °C/min.
 He, corrected constant flow (2 mL/min.)

Carrier Gas
 Modulator Temp. Offset: 20 °C
 Second Dimension
 Separation Time: 3 sec.

Hot Pulse Time: 0.9 sec.
 Cool Time between Stages: 0.6 sec.

Detector
 TOFMS
 Transfer Line Temp.: 290 °C
 Analyzer Type: TOF
 Source Temp.: 225 °C
 Electron Energy: 70 eV
 Mass Defect: -20 mu/100 u
 Solvent Delay Time: 5 min.
 Tune Type: PFTBA
 Ionization Mode: EI
 Acquisition Range: 45-550 amu
 Spectral Acquisition Rate: 100 spectra/sec

Instrument
 LECO Pegasus 4D GCxGC-TOFMS
 Rtx-200 (cat.# 15020) is a 15 m column.
 A 1.3 m section was used as the second dimension column.

Notes