

## **Tin compounds**

# Separation of organometallic (tin) compounds

## Application Note

Environmental

### **Authors**

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### **Introduction**

Separation of organometallic (tin) compounds is possible via gas chromatography. Inert phases and transfer lines are required. Trace analysis is done using MS detection with single ion monitoring/scanning.



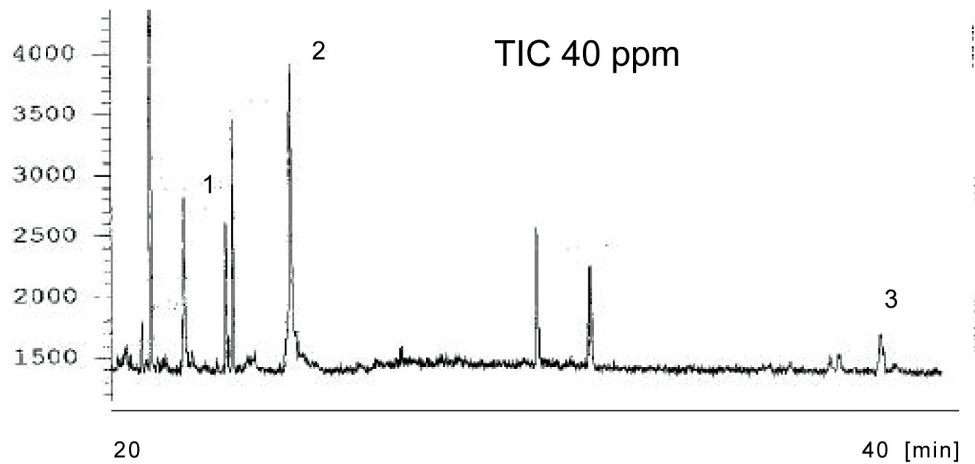
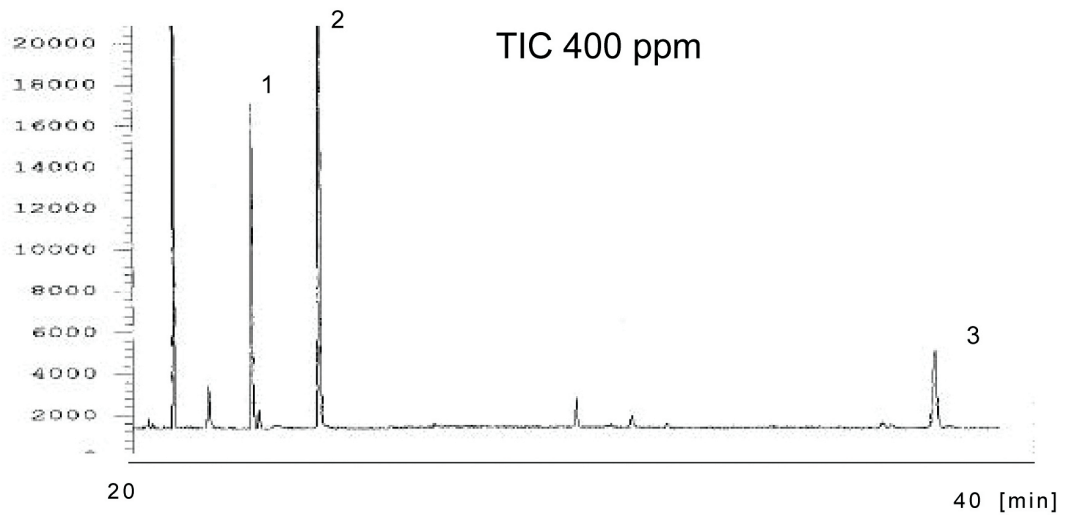
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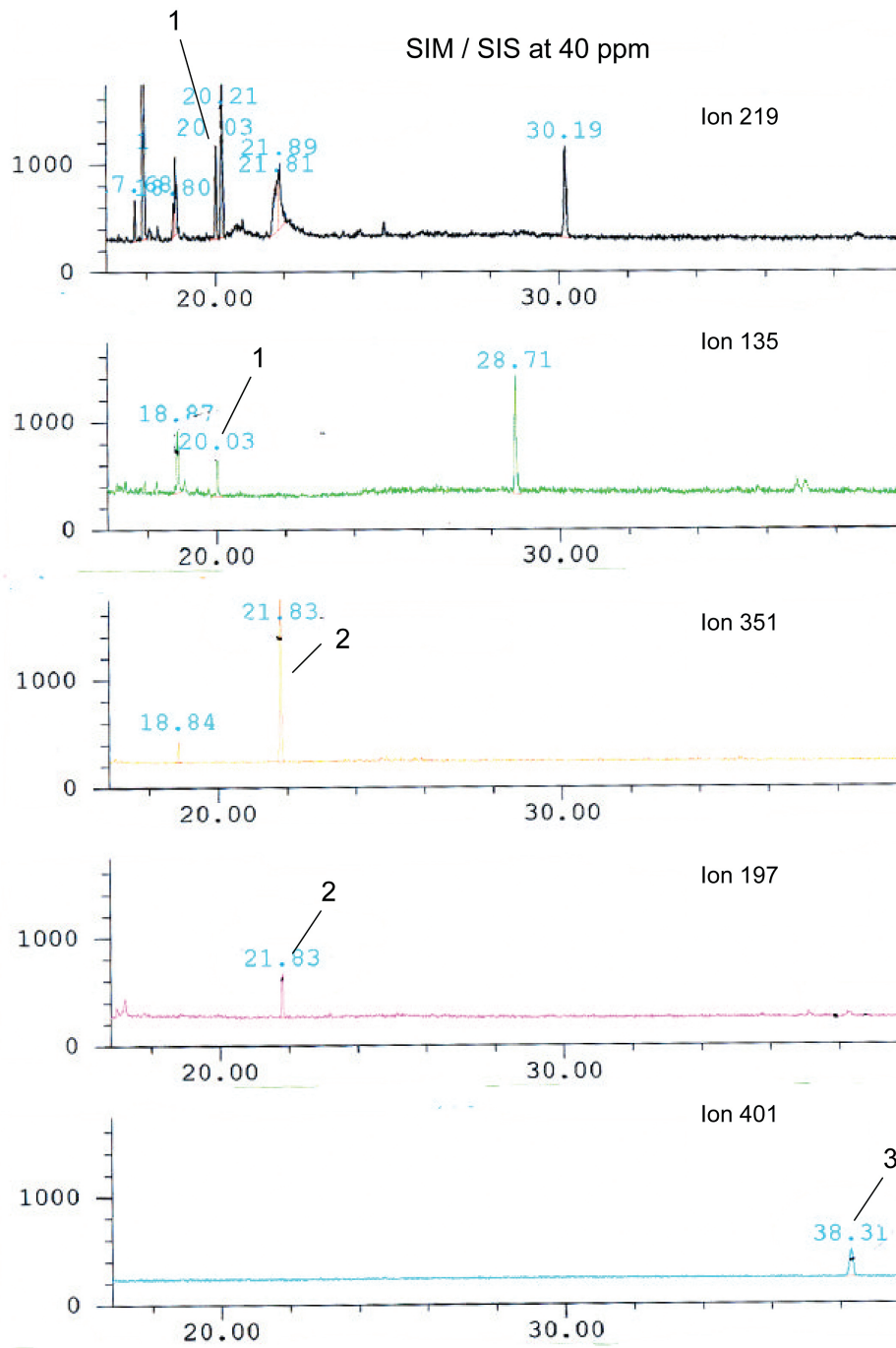
## Conditions

Technique : GC-capillary  
Column : Agilent FactorFour VF-1701ms, 0.25 mm x 30 m fused silica (df = 0.25 µm) (Part no. CP9151)  
Temperature : 100 °C (2 min) → 250 °C, 10 °C/min (5 min) → 280 °C, 10 °C/min (15 min)  
Carrier Gas : Helium, 1 mL/min  
Injector : Gerstel, PTV, 5 µL  
35 °C (0.5 min) → 300 °C, 12 °C/s (4 min)  
Detector : MS TIC, and m/z = 219, 135, 197, 351, 401  
  
Courtesy : Herr DLC Godeck, Pesticide Residue Analysis, Gesellschaft für Lebensmittelforschung, Berlin

## Peak identification

1. cyhexatin
2. fentinacetate
3. fenbutatinoxide





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This information is subject to change without notice.

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