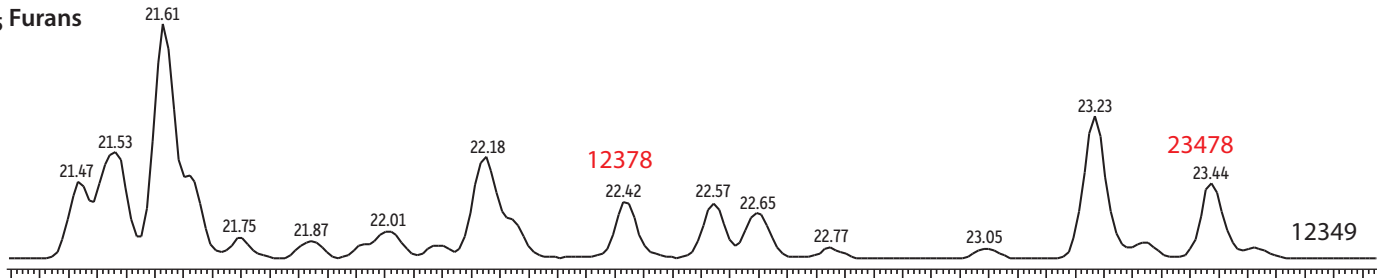
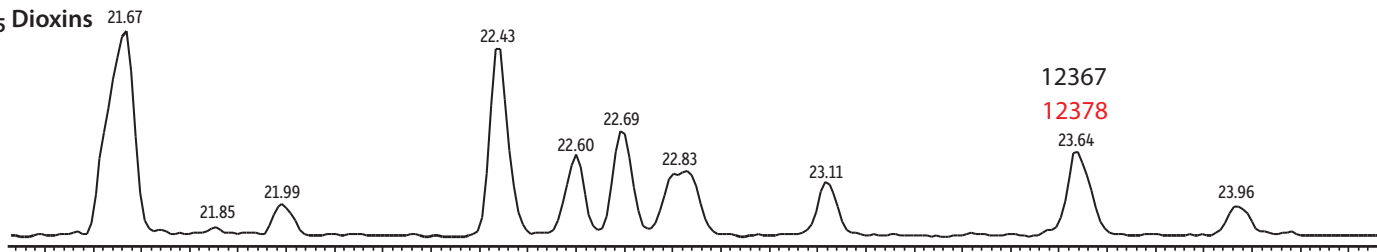


Pentachlorofurans on Rtx®-Dioxin2 (60 m x 0.18 mm x 0.10 µm)

Cl₅ Furans



Cl₅ Dioxins



Time (min)
GC_EV1303

Column Rtx®-Dioxin2, 60 m, 0.18 mm ID, 0.10 µm (cat.# custom)
Sample Fly ash extract
Diluent: Nonane
Conc.: This is a "real world" sample extract.
Injection
Inj. Vol.: 1 µL splitless (hold 1 min)
Liner: Premium 2 mm single taper w/wool (cat.# 23316.1)
Inj. Temp.: 280 °C
Purge Flow: 40 mL/min
Oven
Oven Temp.: 120 °C (hold 1 min) to 200 °C at 35 °C/min to 280 °C at 4.5 °C/min to 330 °C at 20 °C/min (hold 4.8 min)
Carrier Gas
Flow Rate: He, constant flow
1 mL/min

Detector HRMS
Mode: Scan
Transfer Line
Temp.: 300 °C
Analyzer Type: Magnetic Sector
Source Temp.: 280 °C
Tune Type: PFK
Electron Energy: 40 eV
Resolving Power: 10,000
Instrument Waters AutoSpec Ultima Mass Spectrometer
Acknowledgement Terry Kolic, Ontario Ministry of Environment