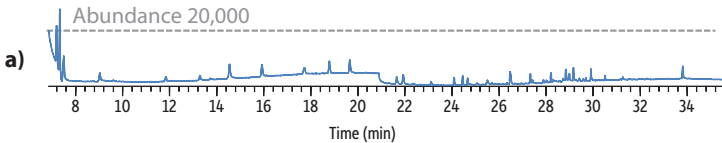
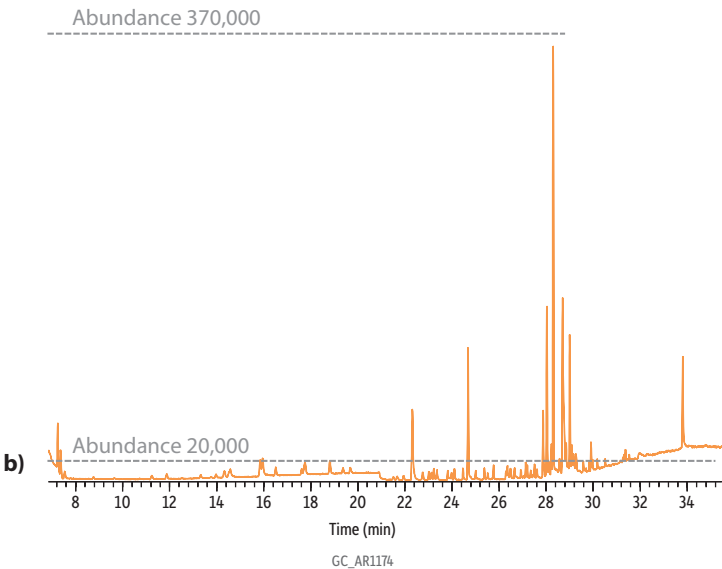


Comparison of SIM vs. Scan Trace for Canister Cleanliness for Ethylene Oxide

Cleanliness by targeted, SIM analysis



Cleanliness by full scan analysis



Column	Rxi-624Sil MS, 60 m, 0.25 mm ID, 1.4 µm (cat. # 13869)		
Sample			
Diluent:	Air (50% RH)		
Injection	split		
Oven			
Oven Temp.:	0 °C (hold 5 min) to 60 °C at 3.5 °C/min to 260 °C at 24 °C/min (hold 5 min)		
Carrier Gas	He, constant flow		
Flow Rate:	2 mL/min		
Detector	MS		
Mode:	Scan		
Scan Program:			
	Group	Start Time (min)	Scan Range (amu)
	1	0	29-226
			Scan Rate (scans/sec)
			3.7
Transfer Line Temp.:	250 °C		
Analyzer Type:	Quadrupole		
Source Type:	Extractor		
Extractor Lens:	6 mm ID		
Source Temp.:	350 °C		
Quad Temp.:	200 °C		
Electron Energy:	70 eV		
Solvent Delay Time:	0 min		
Tune Type:	BFB		
Ionization Mode:	EI		
Preconcentrator	Markes Unity 2 - CIA Advantage - Kori		
Trap 1 Settings			
Type/Sorbent :	Markes U-T3ATX-2S		
Cooling temp.:	-30 °C		
Desorb temp.:	300 °C		
Desorb flow:	6 mL/min		
Desorb time:	180 sec		
Internal Standard			
Purge flow:	50 mL/min		
Purge time:	60 sec		
Vol.:	50 mL		
ISTD flow:	50 mL/min		
Standard			
Size:	400 mL		
Purge flow:	50 mL/min		
Purge time:	60 sec		
Sample flow:	100 mL/min		
Instrument	Agilent 7890B GC & 5977A MSD		
Notes	SIM ions monitored: 15, 29, 43, 44, and 56.		