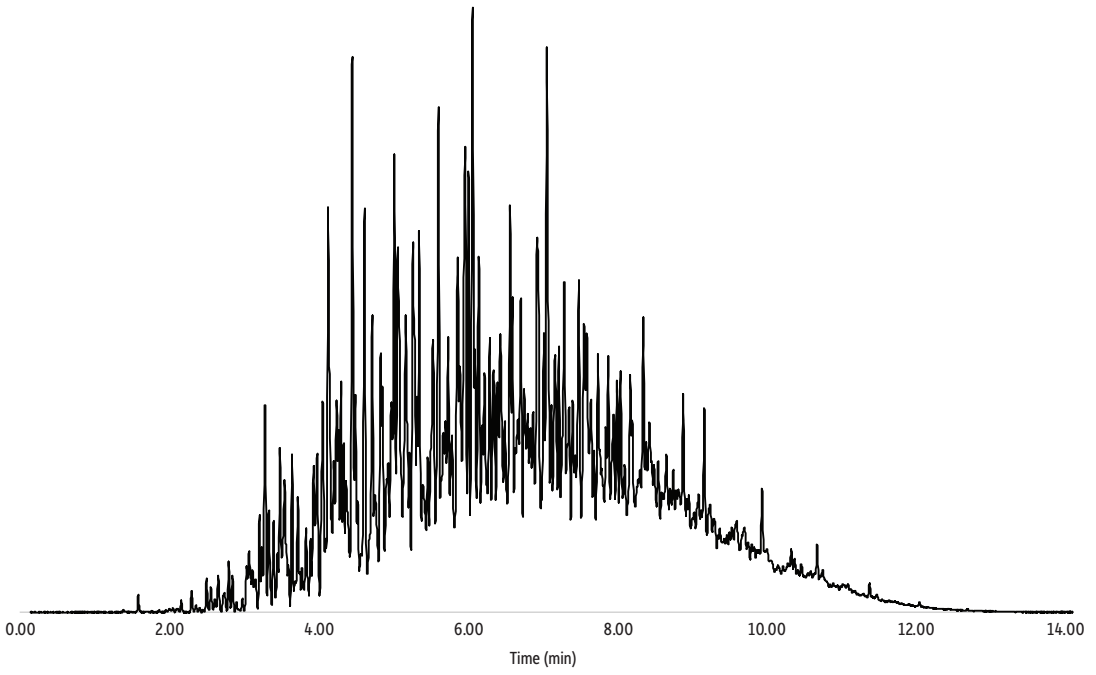
Jet Fuel on Rxi-1ms by GC-VUV (ASTM D8267)



GC_PC1359

Column	Rxi-1ms, 30 m, 0.25 mm ID, 0.25 µm (cat.# 13323)
Sample	Jet fuel
Conc.:	Neat
Injection	
Inj. Vol.:	1 µL split (split ratio 100:1)
Liner:	Topaz 4.0 mm ID Precision inlet liner w/wool (cat.# 23305)
Inj. Temp.:	250 °C
Oven	
Oven Temp.:	50 °C (hold 0.1 min) to 260 °C at 15 °C/min
Carrier Gas	He, constant flow
Flow Rate:	2 mL/min
Detector	VUV
Transfer Line Temp.:	275 °C
Flow Cell Temp.:	275 °C
Acquisition Range:	125-240 nm
Acquisition Rate:	7 spectra/sec
Instrument	HP 6890 GC & VUV Analytics VGA-100
Notes	ASTM D8267, "Standard Test Method for Determination of Saturated Hydrocarbon, Aromatic, and Diaromatic Content of Aviation Turbine Fuels Using Gas Chromatography with Vacuum Ultraviolet Absorption Spectroscopy Detection (GC-VUV)," is used to determine total concentration of saturated hydrocarbon, aromatic, and diaromatic components of aviation turbine engine fuels (jet fuel), not individual compounds.
Acknowledgement	Restek would like to thank Jack Cochran from VUV Analytics for sharing the data.