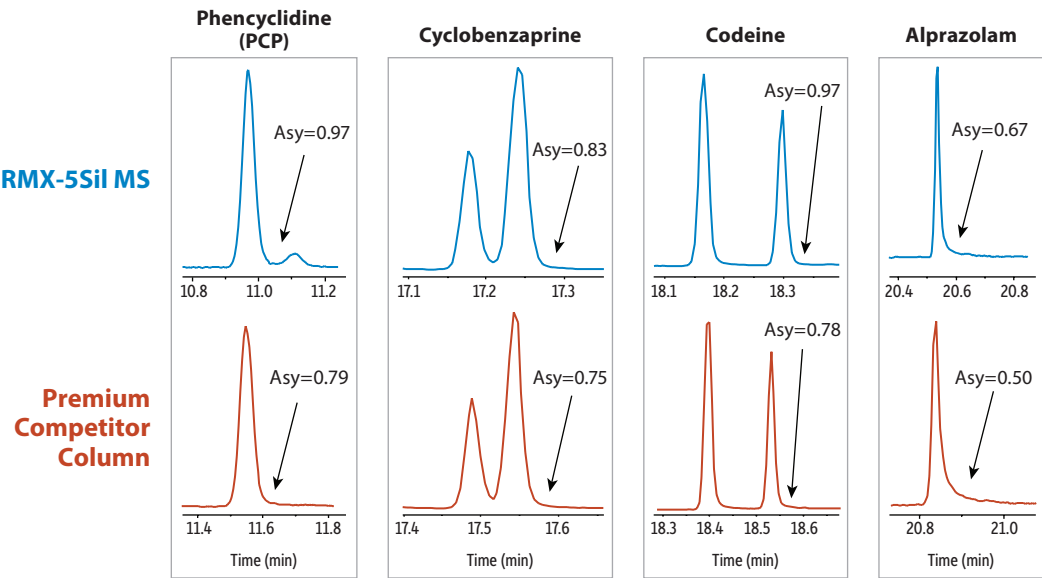


Comparison of Seized Drugs on RMX-5Sil MS and a Premium Competitor Column (Zooms)



GC_CF1186

Peaks	Conc. (µg/mL)	tr (min) for RMX-5Sil MS	tr (min) for Premium Competitor Column
1. Phencyclidine (PCP)	25	10.97	11.54
2. Cyclobenzaprine	25	17.24	17.54
3. Codeine	25	18.29	18.53
4. Alprazolam	25	20.53	20.83

Column	See notes for names, 30 m, 0.25 mm ID, 0.25 µm								
Standard/Sample									
Diluent:	Ethyl acetate								
Conc.:	25 ppm								
Injection									
Inj. Vol.:	1 µL split (split ratio 10:1)								
Liner:	Topaz 4 mm single taper inlet liner with wool (cat.# 23303)								
Inj. Temp.:	250 °C								
Split Vent Flow Rate:	25 mL/min								
Oven									
Oven Temp.:	150 °C (hold 1.0 min) to 210 °C at 4 °C/min to 320 °C at 30 °C/min (hold 2.0 min)								
Carrier Gas	He, constant flow								
Flow Rate:	2.0 mL/min								
Linear Velocity:	54 cm/sec @ 150 °C								
Detector	MS								
Mode:	Scan								
Scan Program:									
	<table><tr><th>Group</th><th>Start Time (min)</th><th>Scan Range (amu)</th><th>Scan Rate (scans/sec)</th></tr><tr><td>1</td><td>1.0</td><td>40-500</td><td>1562</td></tr></table>	Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)	1	1.0	40-500	1562
Group	Start Time (min)	Scan Range (amu)	Scan Rate (scans/sec)						
1	1.0	40-500	1562						
Transfer Line Temp.:	280 °C								
Analyzer Type:	Quadrupole								
Source Temp.:	230 °C								
Electron Energy:	70 eV								
Tune Type:	PFTBA								
Ionization Mode:	El								
Instrument	Agilent 7890A GC & 5975C MSD								
Sample Preparation	Individual standards (100 ppm) were combined into a final 25 ppm in ethyl acetate.								
Notes	Columns tested: RMX-5Sil MS (cat.# 17323) and a premium competitor column								