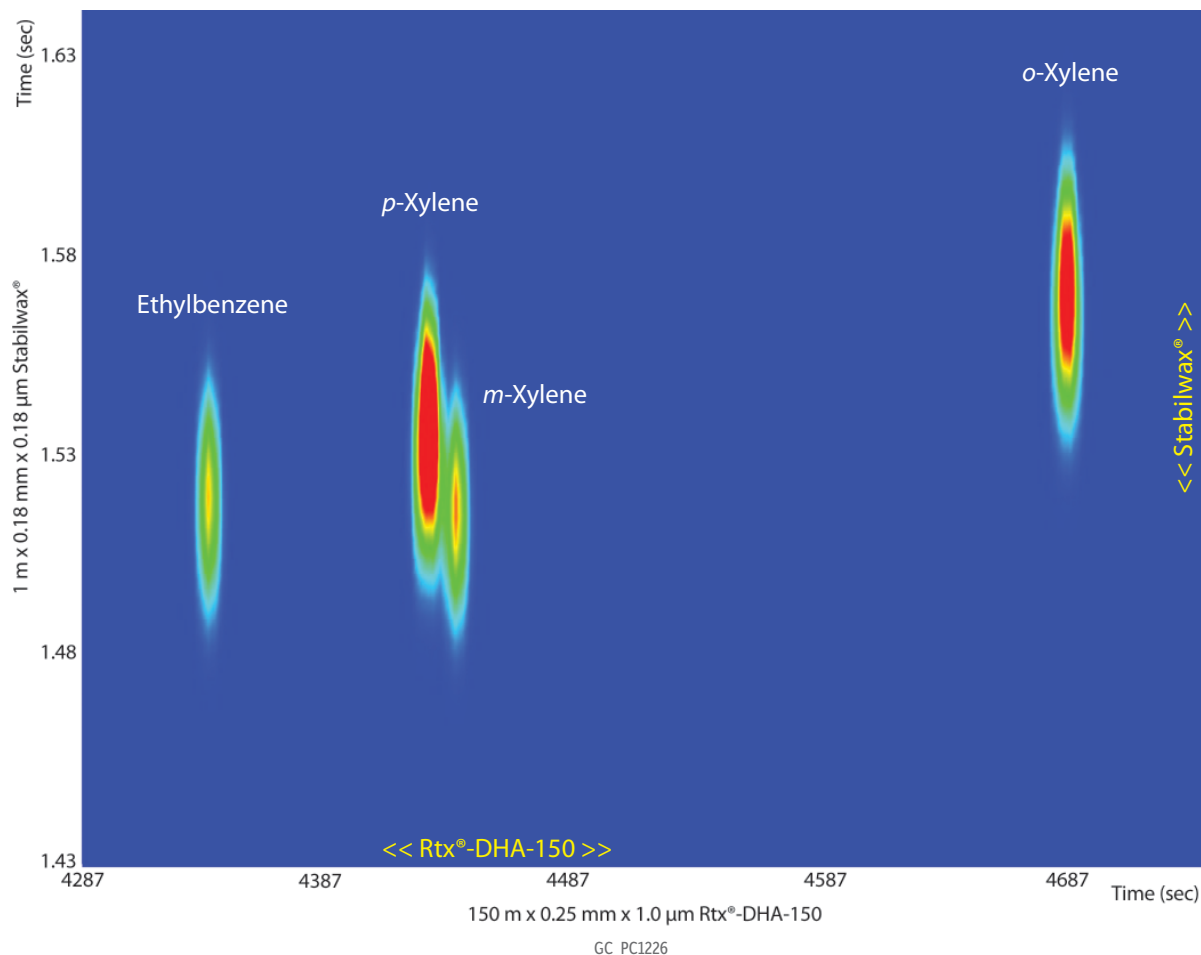


***p*- and *m*-Xylenes in Gasoline by GCxGC on Rtx®-DHA-150 and Stabilwax®**

Peaks	1st Dim. RT (sec.)	2nd Dim. RT (sec.)
1. Ethylbenzene	4338	1.52
2. <i>p</i> -Xylene	4425	1.54
3. <i>m</i> -Xylene	4437	1.52
4. <i>o</i> -Xylene	4683	1.57



<b>Column</b>	Rtx®-DHA-150 150 m, 0.25 mm ID, 1.00 µm (cat.# 10149) Stabilwax® 1 m, 0.18 mm ID, 0.18 µm (cat.# 15118) with IP deactivated guard column 0.2 m, 0.18 mm ID (cat.# 10102) Gasoline	<b>Detector</b>	FID @ 270 °C
<b>Sample</b>	"Neat" (undiluted)	<b>Constant Column</b>	50 mL/min.
<b>Conc.:</b>		<b>+ Constant Make-up:</b>	N <sub>2</sub>
<b>Injection</b>		<b>Make-up Gas Type:</b>	200 Hz
<b>Inj. Vol.:</b>	0.1 µL split (split ratio 200:1)	<b>Data Rate:</b>	LECO GCxGC-FID
<b>Liner:</b>	4 mm split Precision® liner w/semivolatiles wool (cat.# 21022-231.1)	<b>Instrument</b>	The Stabilwax® column (cat.# 15118) is a 2 m column. A 1 m section was used as a second dimension column.
<b>Inj. Temp.:</b>	275 °C	<b>Notes</b>	IP deactivated guard column (cat.# 10102) is a 1 m column. A 0.2 m section was used as a transfer line from the second dimension column to the detector.
<b>Oven</b>			
<b>Oven Temp:</b>	Rtx®-DHA-150: 40 °C (hold 1 min.) to 245 °C at 1 °C/min. Stabilwax®: 45 °C (hold 1 min.) to 250 °C at 1 °C/min. He, corrected constant flow (1.8 mL/min.)		
<b>Carrier Gas</b>			
<b>Modulation</b>			
<b>Modulator Temp. Offset:</b>	20 °C		
<b>Second Dimension</b>			
<b>Separation Time:</b>	3 sec.		
<b>Hot Pulse Time:</b>	0.8 sec.		
<b>Cool Time between</b>			
<b>Stages:</b>	0.7 sec.		