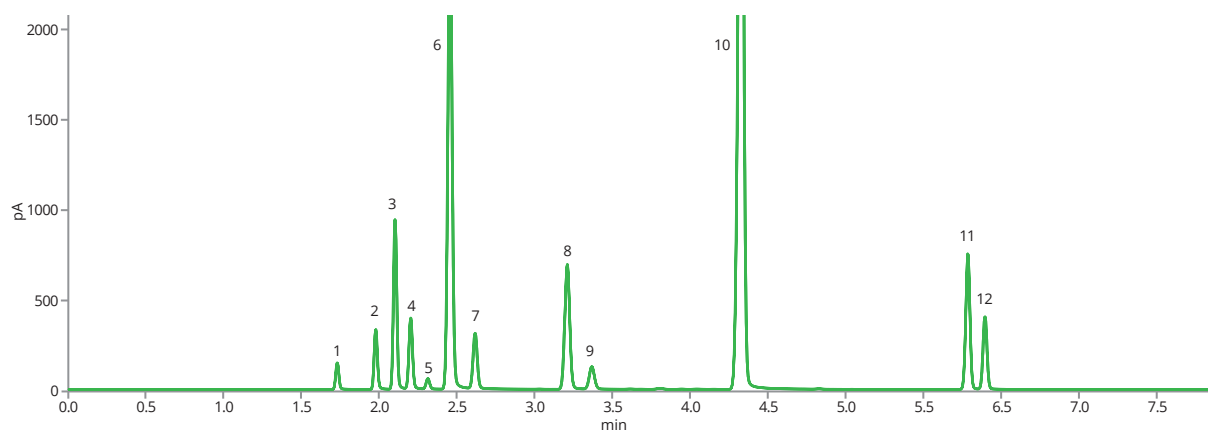


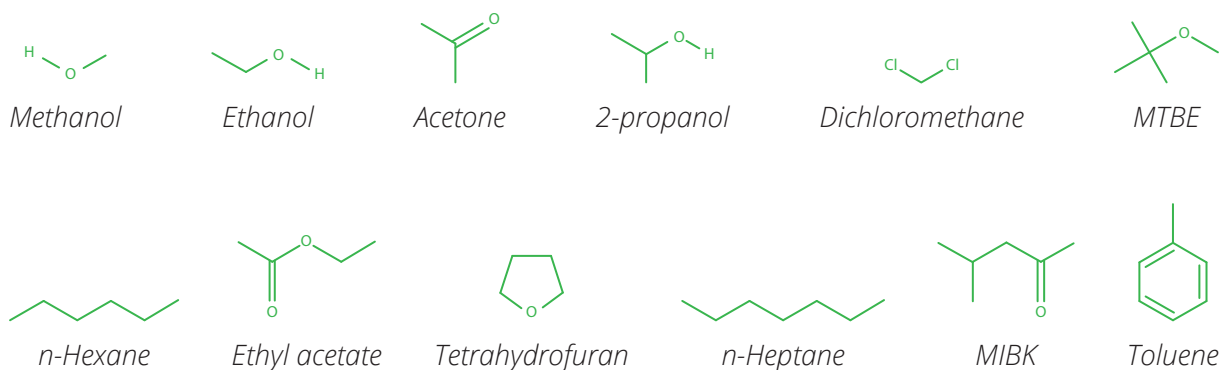


## Residual solvents Analysis

Synthesis of active pharmaceutical ingredients is a complex multi-step process involving numerous chemical transformations. Control of residual solvents is a required test in specification of the active pharmaceutical ingredient. LION™ LN-624 GC column provides a perfect resolution for a range of solvents used in synthesis and purification of pharmaceutical substances.



Calibration standard on LION™ LN-624 GC column





## Residual solvents Analysis

<b>Column</b>	LION™ LN-624 GC
<b>Dimensions</b>	30 m × 0.53 mm × 1.0 µm
<b>Part number</b>	LNI-5769-HQ30
<b>Injection temperature</b>	Proprietary
<b>Injection mode</b>	Proprietary
<b>Flow rate</b>	Proprietary
<b>Oven program</b>	Proprietary
<b>Sample</b>	Proprietary
<b>Detection</b>	Proprietary
<b>Analytes</b>	<ol style="list-style-type: none"><li><b>1. Methanol</b>, CAS number 67-56-1</li><li><b>2. Ethanol</b>, CAS number 64-17-5</li><li><b>3. Acetone</b>, CAS number 67-64-1</li><li><b>4. 2-Propanol (isopropyl alcohol)</b>, CAS number 67-63-0</li><li><b>5. Dichloromethane (methylene chloride)</b>, CAS number 75-09-2</li><li><b>6. MTBE (methyl tert-butyl ether)</b>, CAS number 1634-04-4</li><li><b>7. n-Hexane</b>, CAS number 110-54-3</li><li><b>8. Ethyl acetate</b>, CAS number 141-78-6</li><li><b>9. Tetrahydrofuran</b>, CAS number 109-99-9</li><li><b>10. n-Heptane (heptane)</b>, CAS number 142-82-5</li><li><b>11. MIBK (methyl isobutyl ketone)</b>, CAS number 108-10-1</li><li><b>12. Toluene</b>, CAS number 108-88-3</li></ol>