Supporting Information

Rapid, sensitive, and multiplexed on-chip optical sensors for micro-gas chromatography

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Figure S1. Response of four different polymers OV-1 (squares), OV-73 (triangles), OV-215 (circles) and OV-1701 (inverted triangles) to various injected masses of (A) acetone, (B) methanol, (C) heptane and (D) toluene.
**Figure S2.** Normalized response patterns of each analyte with respect to the four polymers on chip derived from chromatograms shown in Fig. 5(B). Error bars show the standard deviation measured over 5 runs.
<table>
<thead>
<tr>
<th></th>
<th>Acetone</th>
<th>Methanol</th>
<th>Heptane</th>
<th>Toluene</th>
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<td>OV-1</td>
<td>100</td>
<td>583</td>
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