

Supporting Information

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

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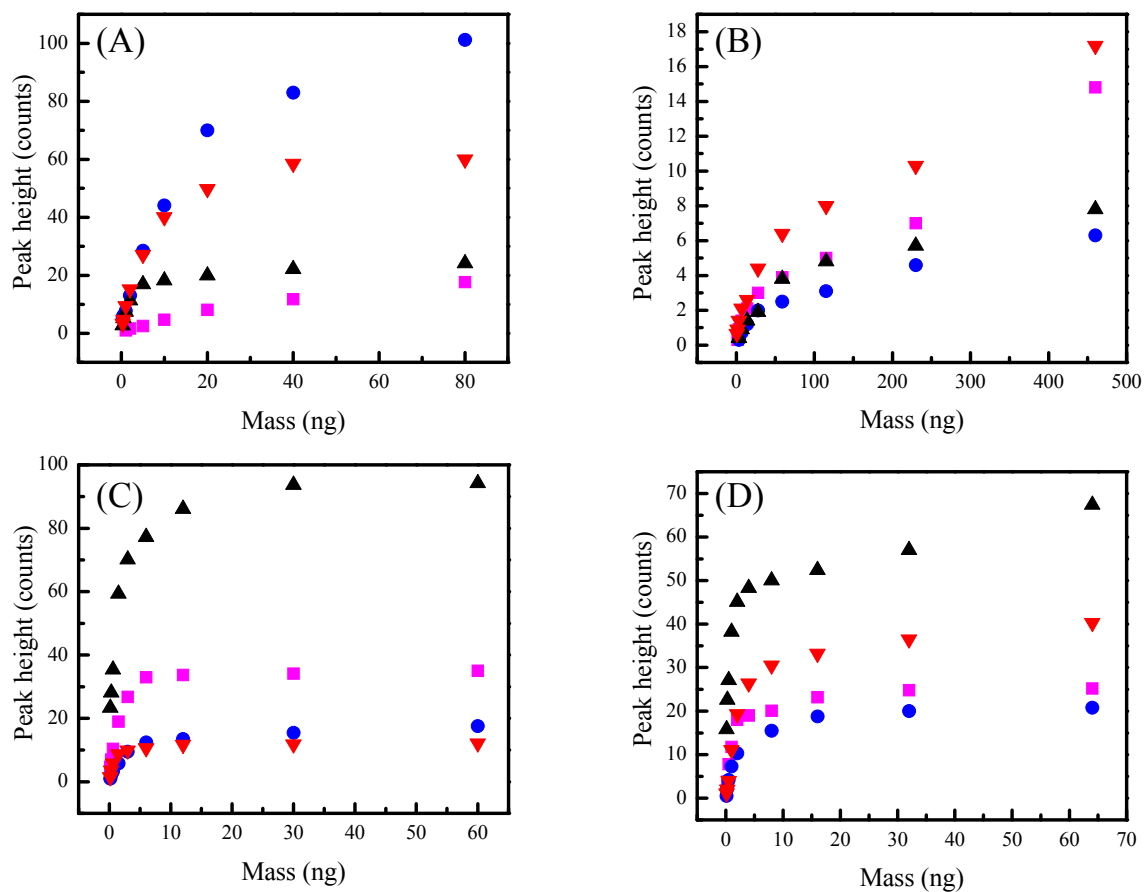


Figure S1. Response of four different polymers OV-1 (squares), OV-73 (triangles), OV-215 (circles) and OV-1701 (inverted triangles) to various injected masses of (A) acetone, (B) methanol, (C) heptane and (D) toluene

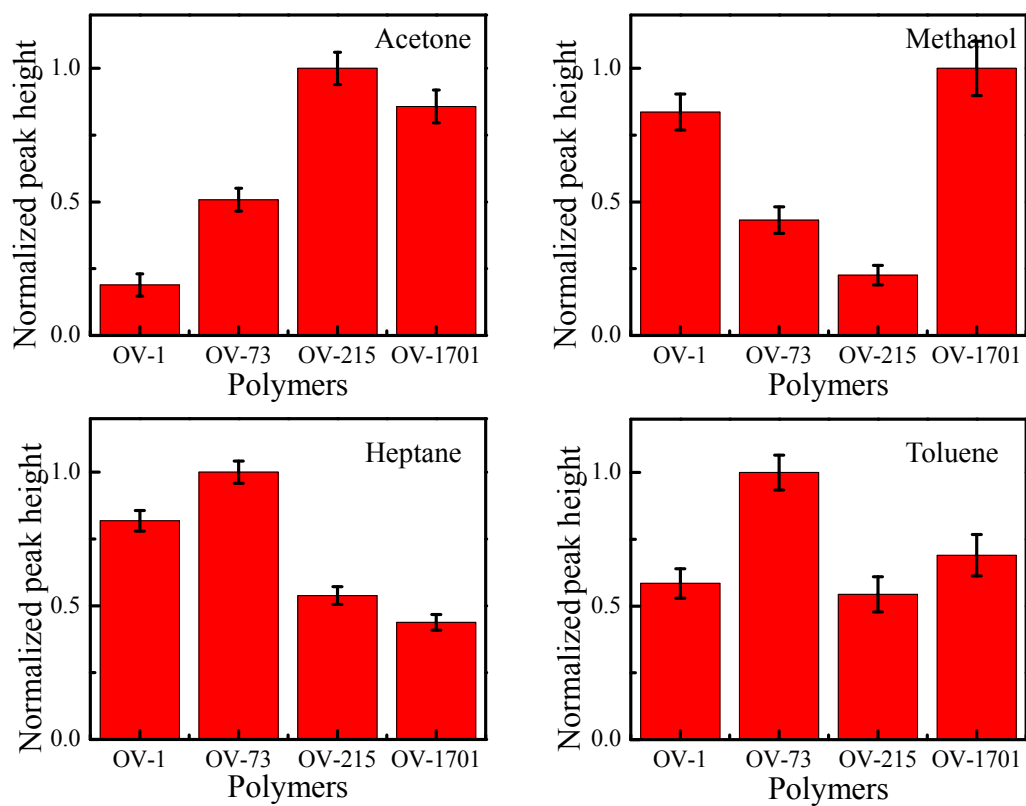


Figure S2. Normalized response patterns of each analyte with respect to the four polymers on chip derived from chromatograms shown in Fig. 5(B). Error bars show the standard deviation measured over 5 runs.

Table S1 Detection limit (pg)				
	Acetone	Methanol	Heptane	Toluene
OV-1	100	583	3.2	7.4
OV-73	11	875	0.64	0.79
OV-215	5.4	1,166	15	25
OV1701	8.8	123	10	11