

A.1 Calibration Curve of Vapor Methanol

Table A.1 Data for calibration curve of vapor methanol, sample volume 1.50 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
2.09E-08	0.28	0.31	0.33	0.31
4.18E-08	0.68	0.79	0.70	0.72
6.28E-08	1.17	1.06	0.99	1.07
8.37E-08	1.62	1.43	1.57	1.54
1.05E-07	2.06	2.08	2.00	2.05
1.26E-07	2.78	2.72	2.68	2.73
1.46E-07	2.90	2.97	2.89	2.92
1.67E-07	3.23	3.44	3.11	3.26
1.88E-07	3.49	3.30	3.41	3.40
2.09E-07	3.87	3.36	3.64	3.62
2.30E-07	4.20	4.00	3.96	4.05
2.51E-07	4.59	4.77	4.61	4.66
2.72E-07	5.73	5.67	5.38	5.59
2.93E-07	5.97	5.83	5.78	5.86
3.14E-07	6.58	6.67	6.38	6.54
3.35E-07	6.89	6.77	7.06	6.91

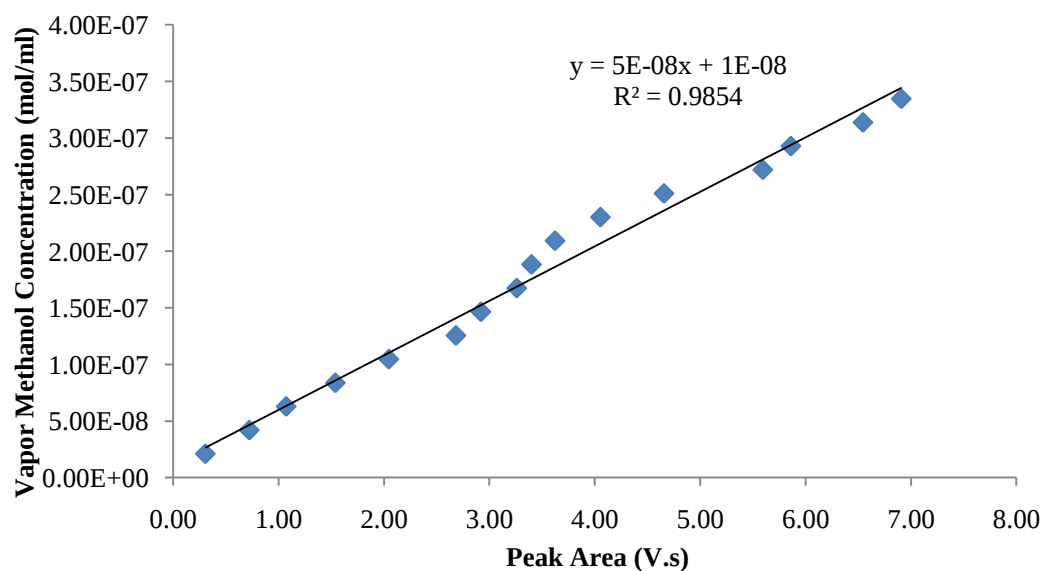


Figure A.1 Calibration curve of vapor methanol for sample volume 1.50 ml

A.2 Calibration Curve of Vapor Methanol

Table A.2 Data for calibration curve of vapor methanol, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
1.04E-08	0.30	0.36	0.30	0.32
2.08E-08	0.71	0.70	0.76	0.72
3.13E-08	1.17	1.06	1.14	1.12
4.17E-08	1.46	1.43	1.53	1.47
5.21E-08	2.06	2.08	2.00	2.05
6.25E-08	2.75	2.72	2.69	2.72

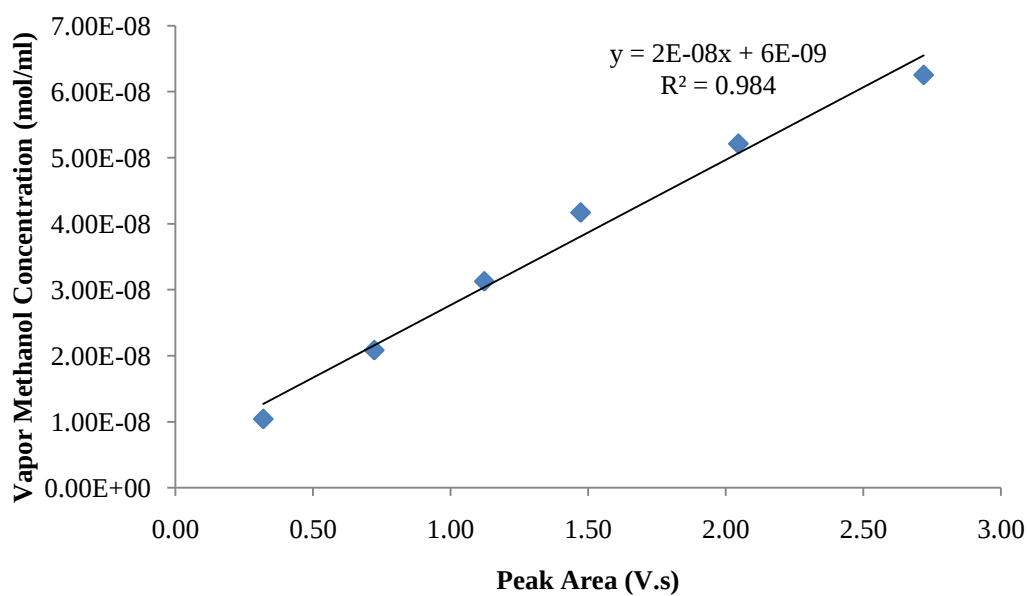


Figure A.2 Calibration curve of vapor methanol for sample volume 3.00 ml

A.3 Calibration Curve of Vapor Ethanol

Table A.3 Data for calibration curve of vapor ethanol, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
7.26E-10	0.04	0.04	0.03	0.04
1.45E-09	0.10	0.11	0.11	0.11
2.18E-09	0.15	0.18	0.17	0.17
2.91E-09	0.19	0.18	0.21	0.19
3.63E-09	0.25	0.27	0.26	0.26
4.36E-09	0.37	0.34	0.32	0.34
5.08E-09	0.43	0.46	0.41	0.43
6.54E-09	0.56	0.57	0.53	0.55
7.99E-09	0.62	0.61	0.64	0.62
8.72E-09	0.77	0.74	0.72	0.74
1.16E-08	0.89	0.90	0.93	0.91
1.45E-08	1.08	1.13	0.99	1.07

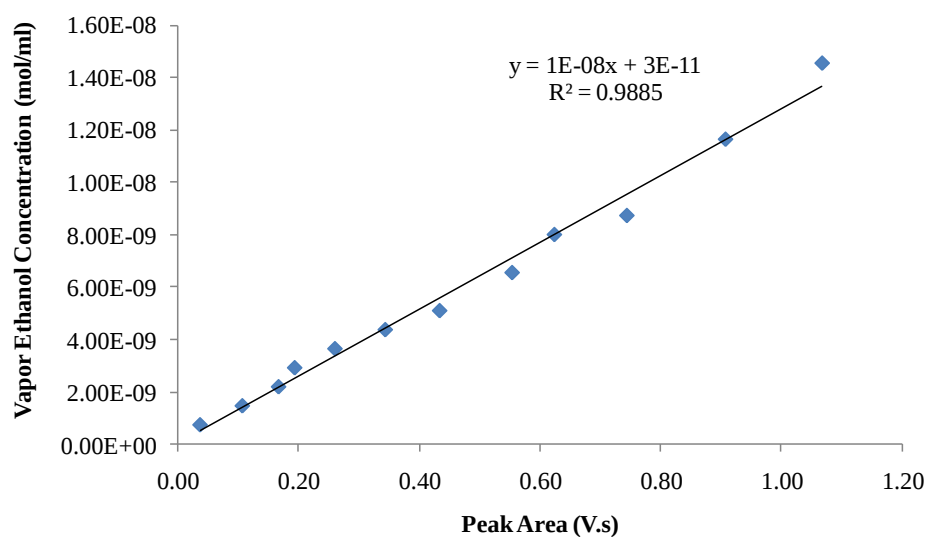


Figure A.3 Calibration curve of vapor ethanol for sample volume 3.00 ml

A.4 Calibration Curve of Vapor Isopropanol

Table A.4 Data for calibration curve of vapor isopropanol, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
5.54E-11	0.04	0.06	0.05	0.05
1.11E-10	0.08	0.09	0.09	0.09
1.66E-09	0.17	0.17	0.17	0.17
2.22E-09	0.27	0.26	0.25	0.26
2.77E-09	0.30	0.32	0.27	0.30
3.33E-09	0.40	0.41	0.39	0.40

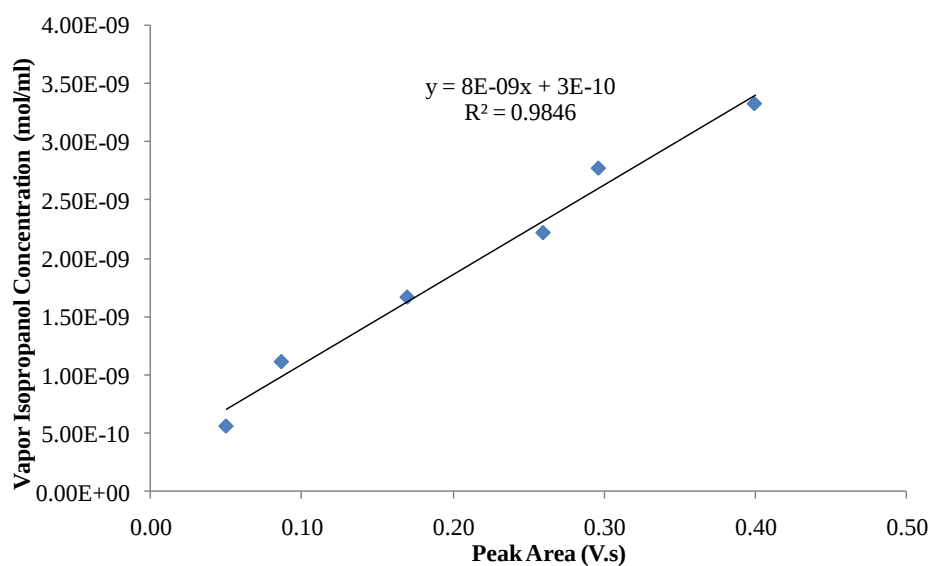


Figure A.4 Calibration curve of vapor isopropanol for sample volume 3.00 ml

A.5 Calibration Curve of Vapor Acetone

Table A.5 Data for calibration curve of vapor acetone, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
2.87E-09	0.26	0.25	0.22	0.24
5.73E-09	0.41	0.52	0.48	0.47
8.60E-09	0.65	0.61	0.59	0.62
1.15E-08	0.83	0.82	0.93	0.86
1.43E-08	1.18	1.14	1.16	1.16
1.72E-08	1.73	1.57	1.62	1.64
2.01E-08	1.90	1.87	1.85	1.87
2.29E-08	1.98	2.22	2.04	2.08
2.58E-08	2.60	2.54	2.48	2.54
2.87E-08	2.98	2.92	2.94	2.95
3.15E-08	3.12	3.24	3.08	3.15
3.44E-08	3.62	3.58	3.55	3.58

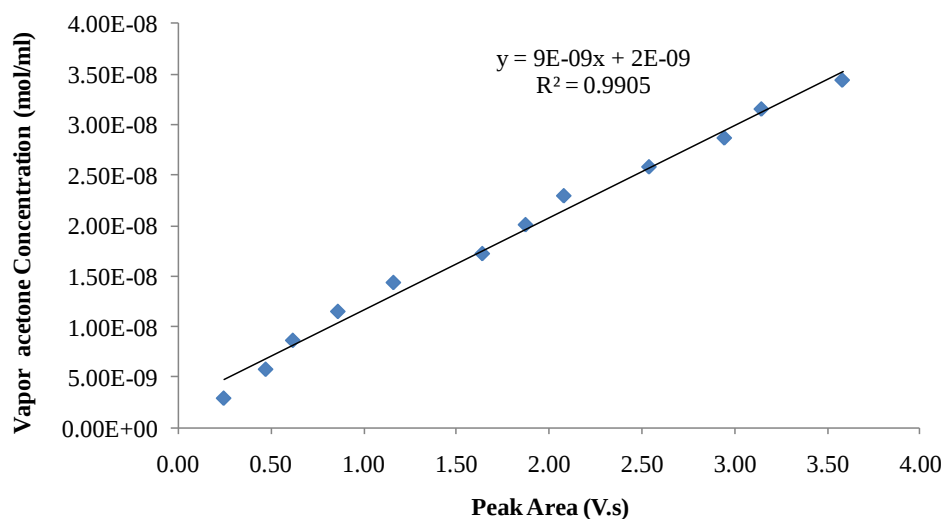


Figure A.5 Calibration curve of vapor acetone for sample volume 3.00 ml

A.6 Calibration Curve of Vapor Acetone/Ethanol

Table A.6.1 Data for calibration curve of vapor acetone, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
2.87E-09	0.19	0.21	0.21	0.20
5.73E-09	0.38	0.40	0.47	0.42
8.60E-09	0.66	0.71	0.64	0.67
1.15E-08	0.81	0.85	0.87	0.84
1.43E-08	1.14	1.12	0.98	1.08
1.72E-08	1.24	1.32	1.16	1.24

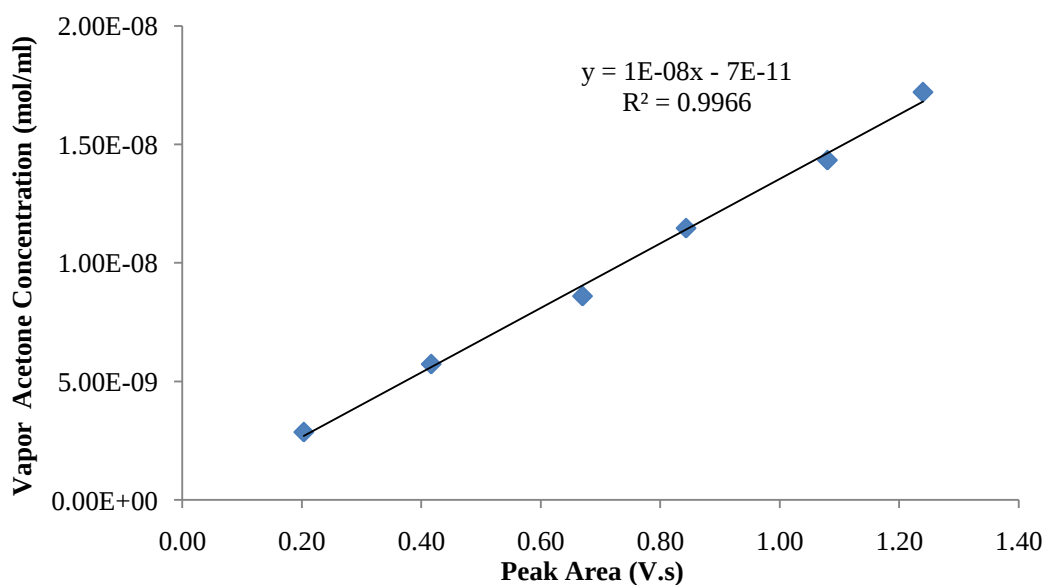
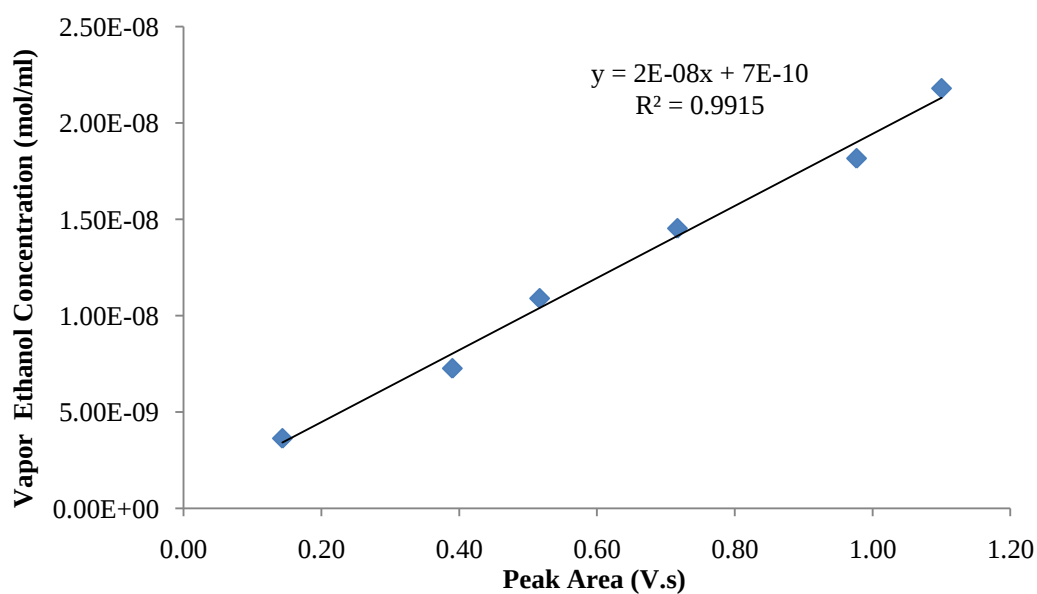


Figure A.6.1 Calibration curve of vapor acetone for sample volume 3.00 ml

Table A.6.2 Data for calibration curve of vapor ethanol, sample volume 3.00 ml

Concentration (mol/ml)	Peak Area (V.s)			
	1	2	3	Average
3.63E-09	0.15	0.14	0.14	0.14
7.27E-09	0.42	0.37	0.38	0.39
1.09E-08	0.49	0.55	0.51	0.52
1.45E-08	0.72	0.64	0.79	0.72
1.82E-08	0.91	1.03	0.99	0.98
2.18E-08	1.18	1.14	0.98	1.10

**Figure A.6.2** Calibration curve of vapor ethanol for sample volume 3.00 ml