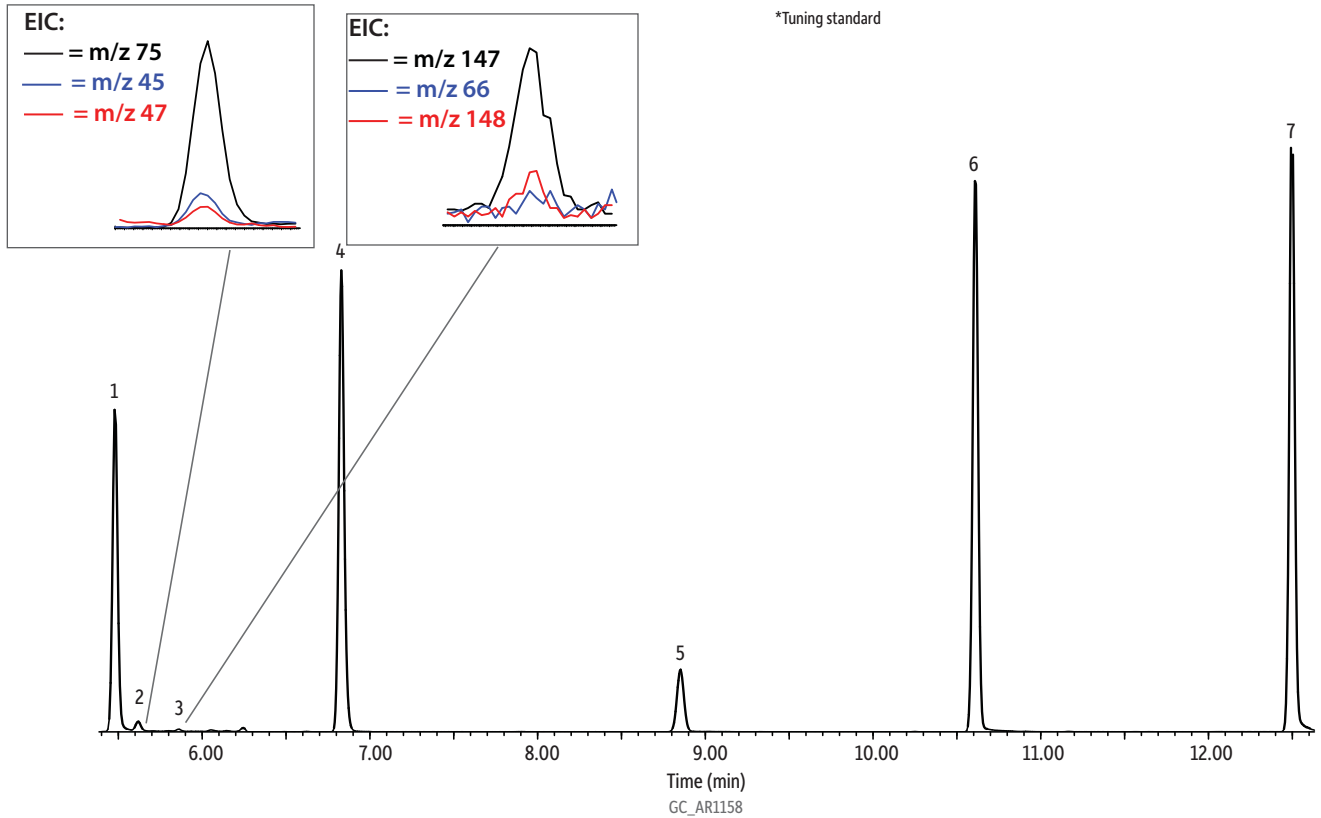


Trimethylsilanol on Rtx®-VMS (30 m)

Peaks	t <sub>R</sub> (min)
1. Bromochloromethane (IS)	5.478
2. Trimethylsilanol	5.619
3. Hexamethyldisiloxane	5.860
4. 1,4-Difluorobenzene (IS)	6.832
5. Hexamethylcyclotrisiloxane	8.852
6. Chlorobenzene-d5 (IS)	10.611
7. 4-Bromofluorobenzene*	12.498

\*Tuning standard



Group	Start Time (min)	Ions (s) (m/z)	Dwell (ms)
1	0.00	49, 130, 128, 51, 75, 45, 47, 59, 147, 73, 148, 66	25
2	6.25	114, 63, 88, 57	50
3	7.00	207, 208, 96, 191	50
4	10.00	117, 82, 52, 54	50
5	12.00	50, 75, 95, 96, 173, 174, 175, 176, 177	25

Column: Rtx®-VMS, 30 m, 0.25 mm ID, 1.40 µm (cat.# 19915)  
 Sample: Trimethylsilanol  
 TO-14A internal standard/tuning mix (cat.# 34408)  
 Diluent: Nitrogen  
 Conc.: See notes  
 Injection: Direct  
 Oven: 32 °C (hold 1 min) to 150 °C at 8 °C/min to 230 °C at 33 °C/min  
 Carrier Gas: He, constant flow  
 Flow Rate: 1.2 mL/min  
 Linear Velocity: 40 cm/sec @ 32 °C  
 Detector: MS  
 Mode: SIM  
 SIM Program:

Bakeout temp: 200 °C  
 Flush flow: 120 mL/min  
 Flush time: 60 sec  
 Sweep flow: 120 mL/min  
 Sweep time: 60 sec

Trap 2 Settings  
 Type/Sorbent: Tenax® GR (80/100 mesh)  
 Cooling temp: -35 °C  
 Desorb temp: 190 °C  
 Desorb time: 30 sec  
 Bakeout temp: 200 °C  
 Bakeout time: 10 sec

Cryofocuser  
 Cooling temp: -160 °C  
 Inject time: 140 sec

Internal Standard  
 Purge flow: 100 mL/min  
 Purge time: 6 sec  
 Vol.: 100 mL  
 ISTD flow: 100 mL/min

Standard  
 Size: 200 mL  
 Purge flow: 100 mL/min  
 Purge time: 6 sec  
 Sample flow: 100 mL/min

Instrument Notes  
 HP6890 GC & 5973 MSD  
 400 mL of 47.6 pptv trimethylsilanol and 100 mL of 20.0 ppbv internal standards prepared at 45% relative humidity (RH).  
 Acknowledgement Nutech Instruments/EST Analytical