Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

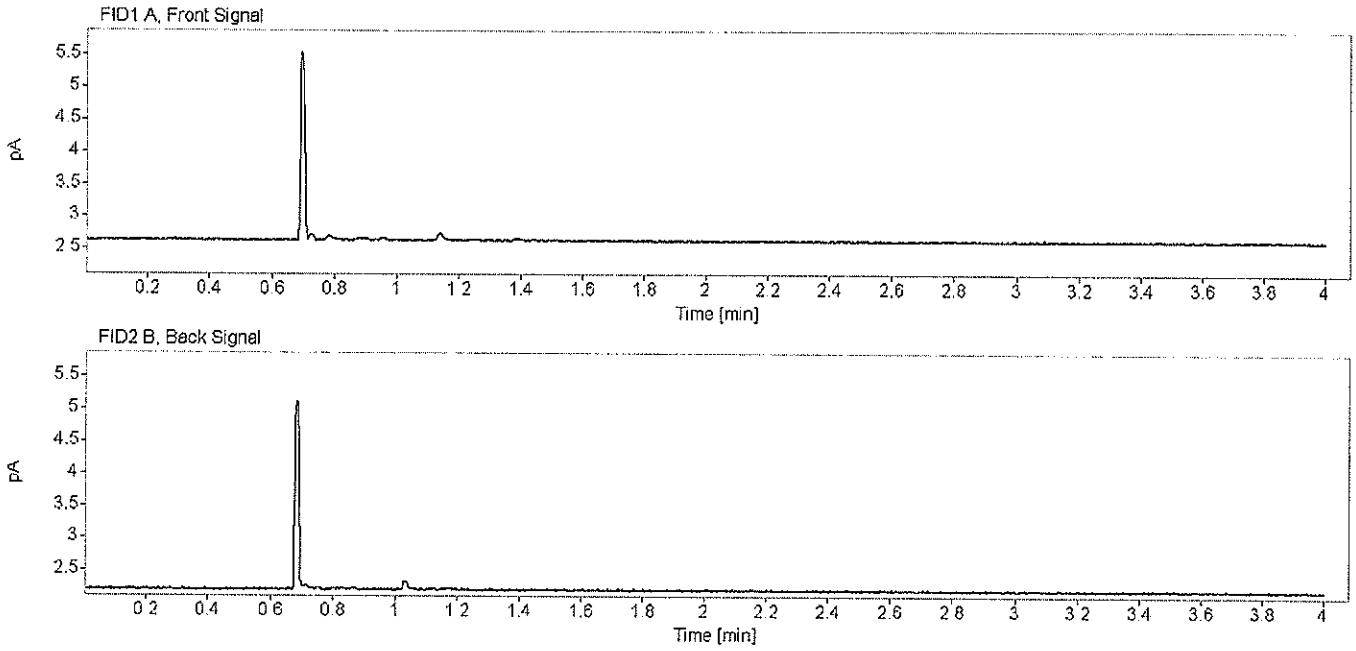
Instrument: Headspace 2 -BAM 12/28/2020

Date	N_2 Tank Pressure	H_2 Water Level / H_2 Pressure	Air Tank Pressure	He Tank Pressure	Air Control Pass/Fail	SS Pass/Fail	Comments	Signature
12/21/2020	70 / 1500	Yes / 70	70 / 1150	70 / 2100	Pass	Pass	Restarted instrument & computer. Changed He tank.	EC
12/23/2020	70 / 1250	yes / 70	70 / 850	70 / 2000	PASS JP 12/28/2020	PASS JP 12/28/2020	Agilent engineer onsite to upgrade inst. computer and update software on ~~12/22/2020~~ 12/22 and ~~He~~ 12/23. -JP 12/23/2020 JP 12/23/1020	JP
							SS prepared on 12/22/2020 but run on 12/23/2020. -JP 12/23/2020 JP 12/23/2020 Prepared SS on 12/23/2020 and reran on instrument - JP 12/23/2020	
								BAM 1/4/2021

Form Complete Date/Signature: Brooke Mendenhall 1/4/2021

Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

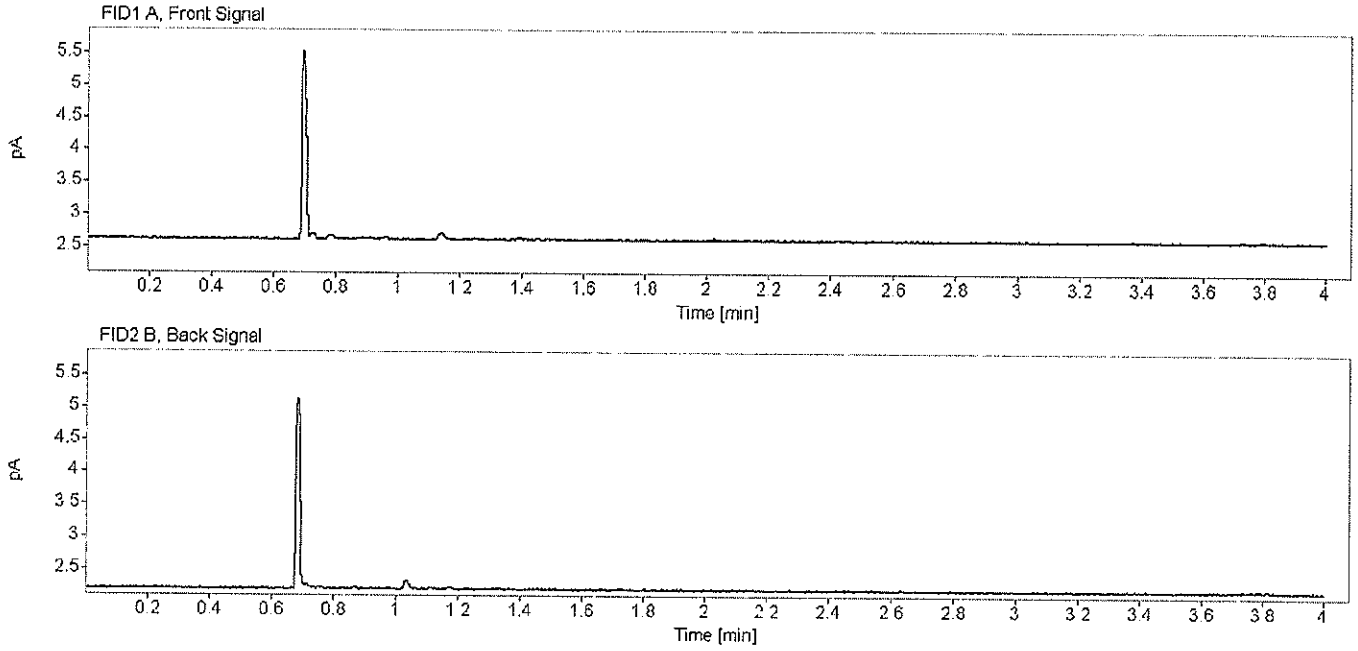
Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	12/21/2020 10:27:19 AM
Data file:	C:\Chem32\1\Data\ALC_20201221_TEST\ALC_20201221_TEST 2020-12-21 10-18-18\001F0101.D				



EC

Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

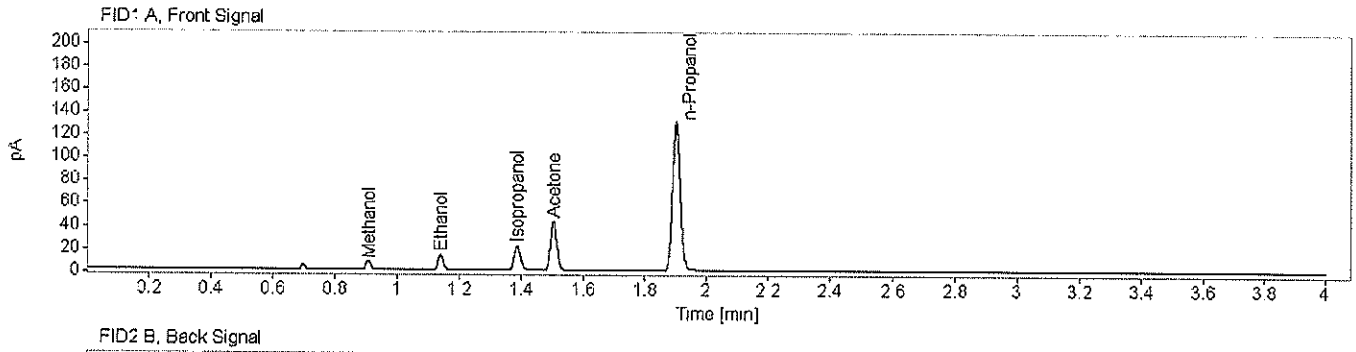
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	12/21/2020 10:31:50 AM
Data file:	C:\Chem32\1\Data\ALC_20201221_TEST\ALC_20201221_TEST 2020-12-21 10-18-18\002F0201.D				

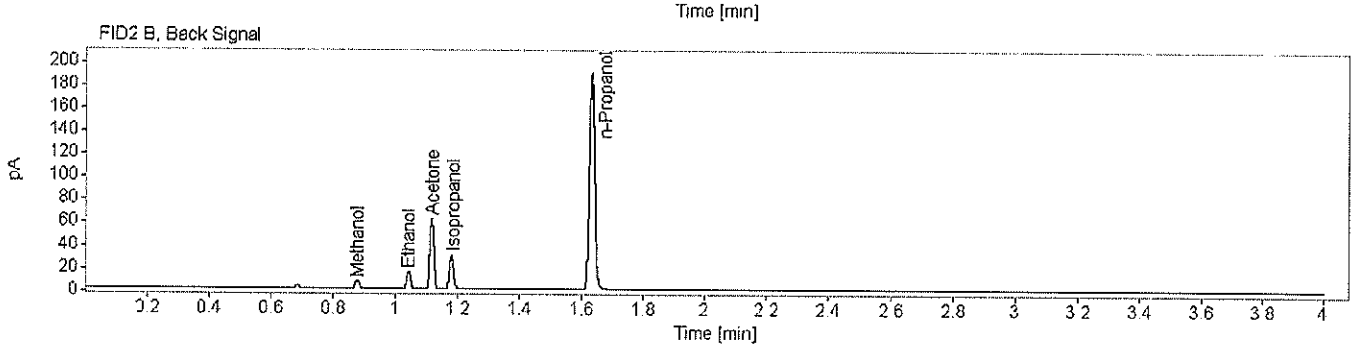


EC

Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name: SS Description: Lot: FN08151901 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 12/21/2020 10:37:43 AM
Data file: C:\Chem32\1\Data\ALC_20201221_TEST\ALC_20201221_TEST 2020-12-21 10-18-18\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	0.95626		0.908	0.910	7.5253	0.0117
Ethanol	0.85524		1.140	1.144	15.0380	0.0118
Isopropanol	0.86161		1.387	1.392	29.1282	0.0103
Acetone	0.90724		1.505	1.509	58.7752	0.0110
n-Propanol	0.88068		1.901	1.911	230.2776	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.25735		0.879	0.881	7.4560	0.0117
Ethanol	0.94211		1.043	1.046	14.6914	0.0115
Acetone	0.92804		1.118	1.122	57.1472	0.0109
Isopropanol	0.90924		1.181	1.186	28.4864	0.0102
n-Propanol	0.91958		1.634	1.644	225.8430	0.0100

EC

Houston Forensic Science Center, Inc.
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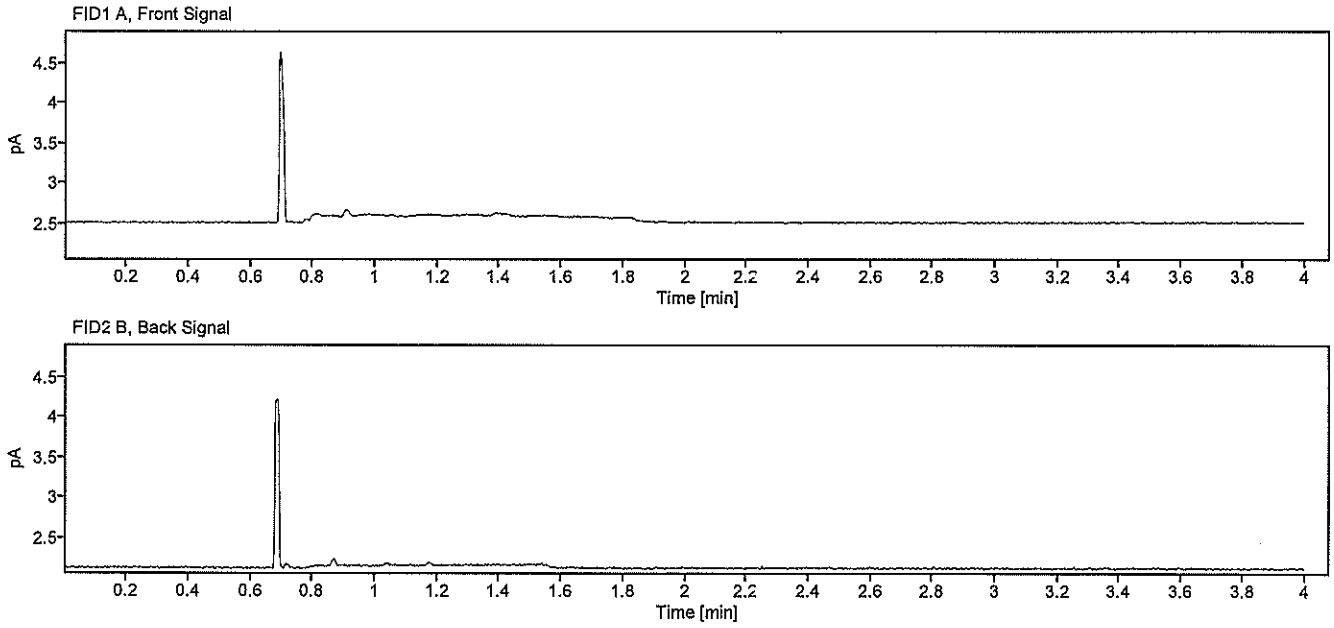
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	12/23/2020 1:12:15 PM
Data file:	C:\Users\Public\Documents\ChemStation\1\Data\ALC_20201223_TEST 2020-12-23 13-03-10\001F0101.D				



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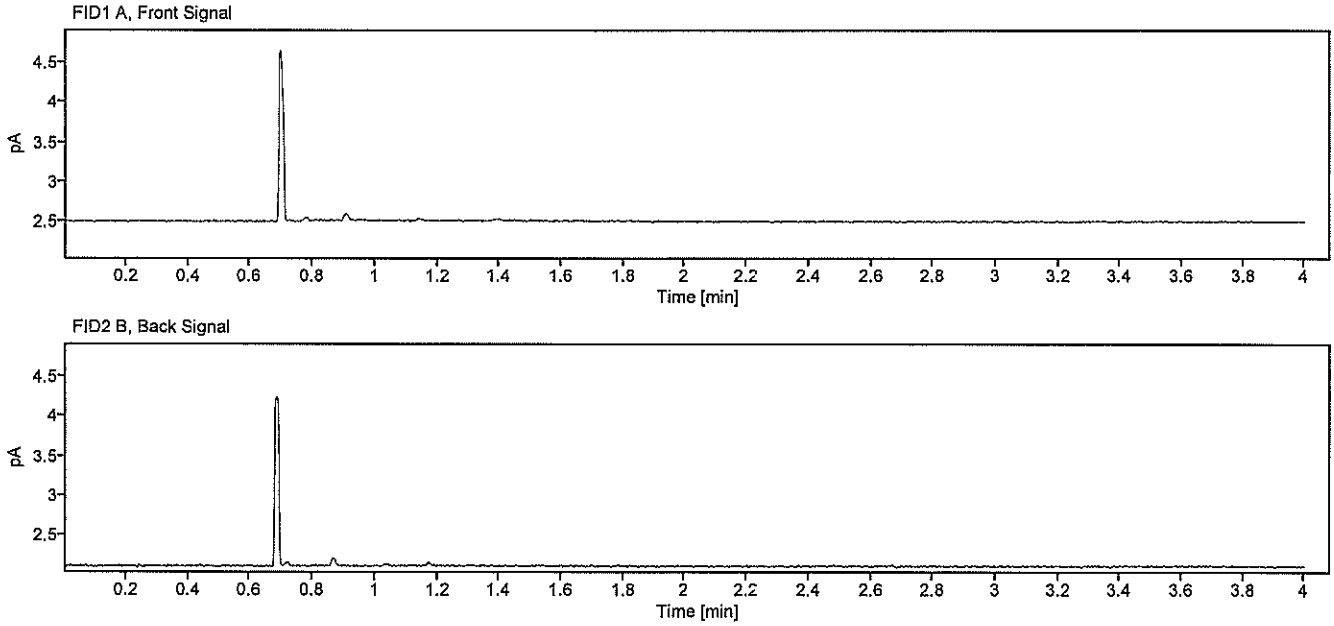
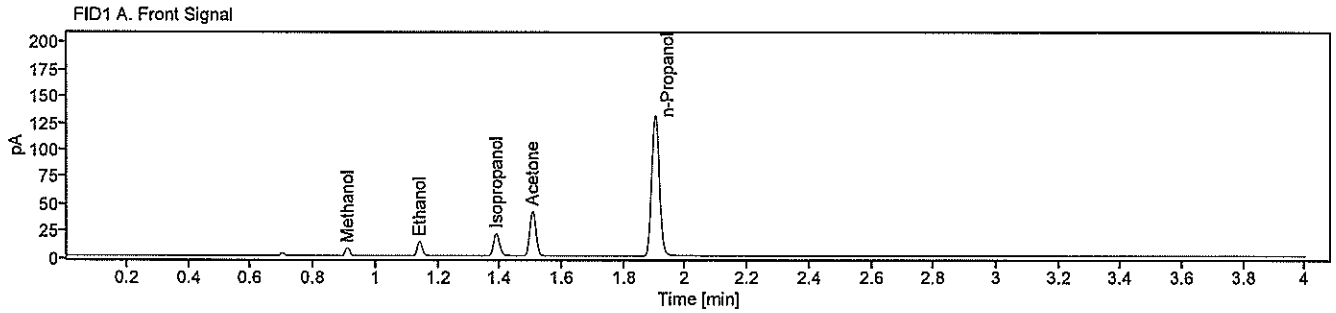
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

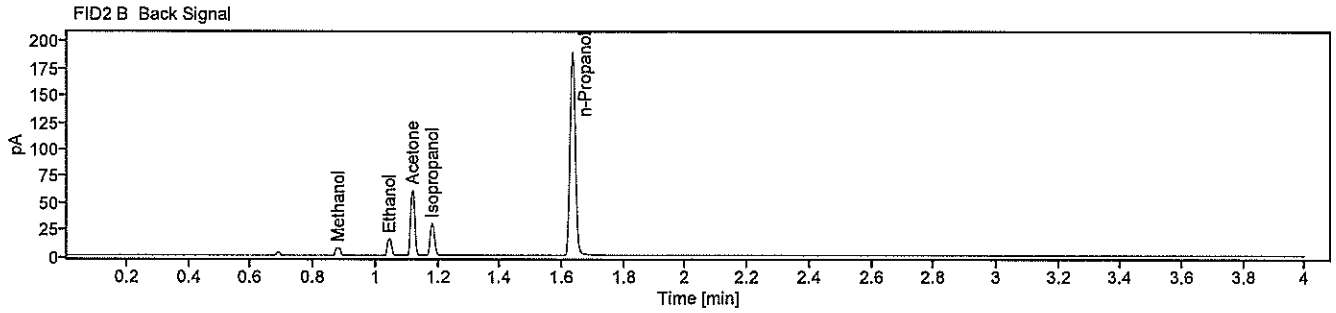
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	12/23/2020 1:16:45 PM
Data file:	C:\Users\Public\Documents\ChemStation\1\Data\ALC_20201223_TEST 2020-12-23 13-03-10\002F0201.D				



Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name: SS Description: Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 12/23/2020 1:22:38 PM
Data file: C:\Users\Public\Documents\ChemStation\1\Data\ALC_20201223_TEST 2020-12-23 13-03-10\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.02888		0.909	0.910	7.5021	0.0000
Ethanol	0.84960		1.140	1.144	15.0186	0.0000
Isopropanol	0.85365		1.387	1.392	28.7329	0.0000
Acetone	0.90317		1.505	1.509	57.0707	0.0000
n-Propanol	0.88388		1.902	1.911	228.6409	0.0000

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.18554		0.879	0.881	7.3943	0.0000
Ethanol	0.93544		1.043	1.046	14.6964	0.0000
Acetone	0.92150		1.118	1.122	55.4958	0.0000
Isopropanol	0.90206		1.181	1.186	28.1398	0.0000
n-Propanol	0.91652		1.634	1.644	223.8523	0.0000

This SS was run prior to any calibration values being input into the calibration table. -JP 12/28/2020

JP