Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 2

Date	N_2 Tank Pressure	H_2 Tank Pressure	Air Tank Pressure	He Tank Pressure	Air Control Pass/Fail	SS Pass/Fail	Comments	Signature
10/15/18	70 / 2050	70 / 1900	70 / 1850	70 / 2000	Pass	Pass		VC
10/16/18	70 / 2000	70 / 1900	70 / AW	70 / 2000	Pass	Pass		ASL
10/17/18	70 / 2050	70 / 1880	70 / 1500	70 / 1950	PASS	PASS		BAM
10/18/18	70 / 2000	70 / 1850	70 / 1100	70 / 1900	Pass	Pass		VC
								BAM 10/22/2018

Form Complete Date/Signature: Brooke Mendenhall 10/22/2018

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181015_TEST.S
Operator	: Valerie L Coronado
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20181015_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 180920-IS Pipette: Hamilton 7903

Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

Line	: 1F
Location	: 1
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

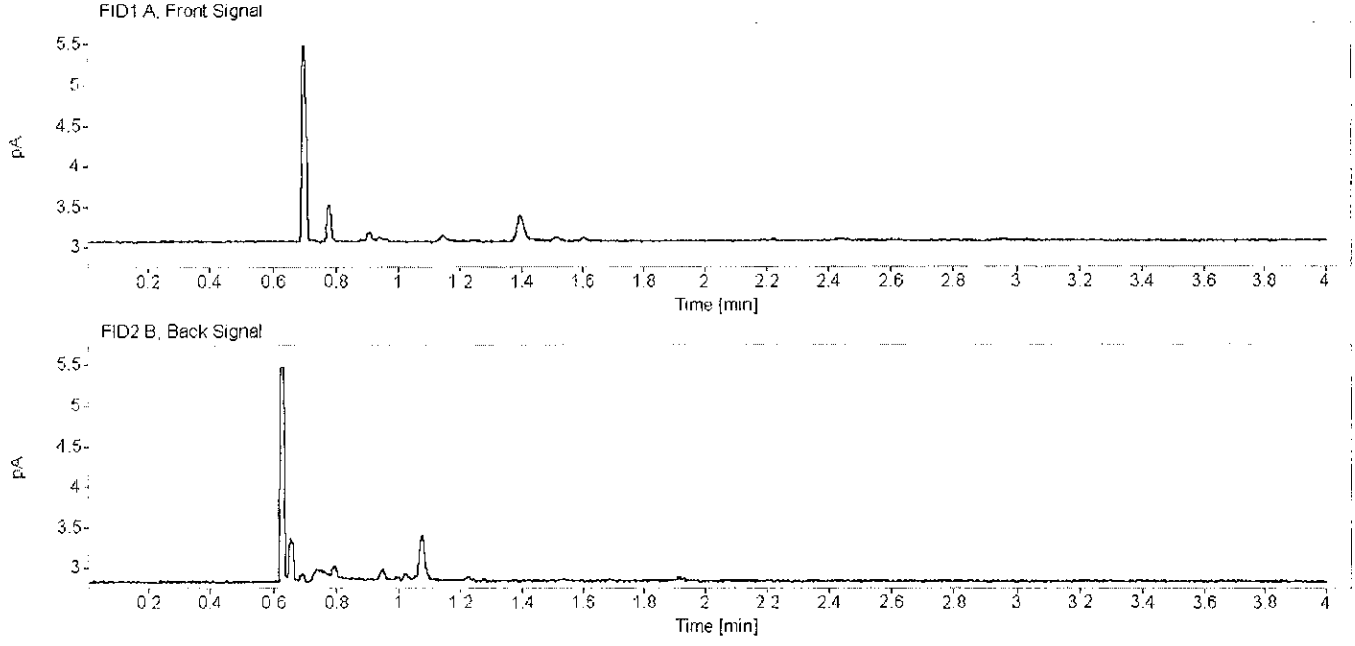
Line	: 2F
Location	: 2
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

Line	: 3F
Location	: 3
Sample Information	: Lot: FN06121803
Sample Name	: SS
Method Name	: VOLATILES
Sample Type	: Sample

VC

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

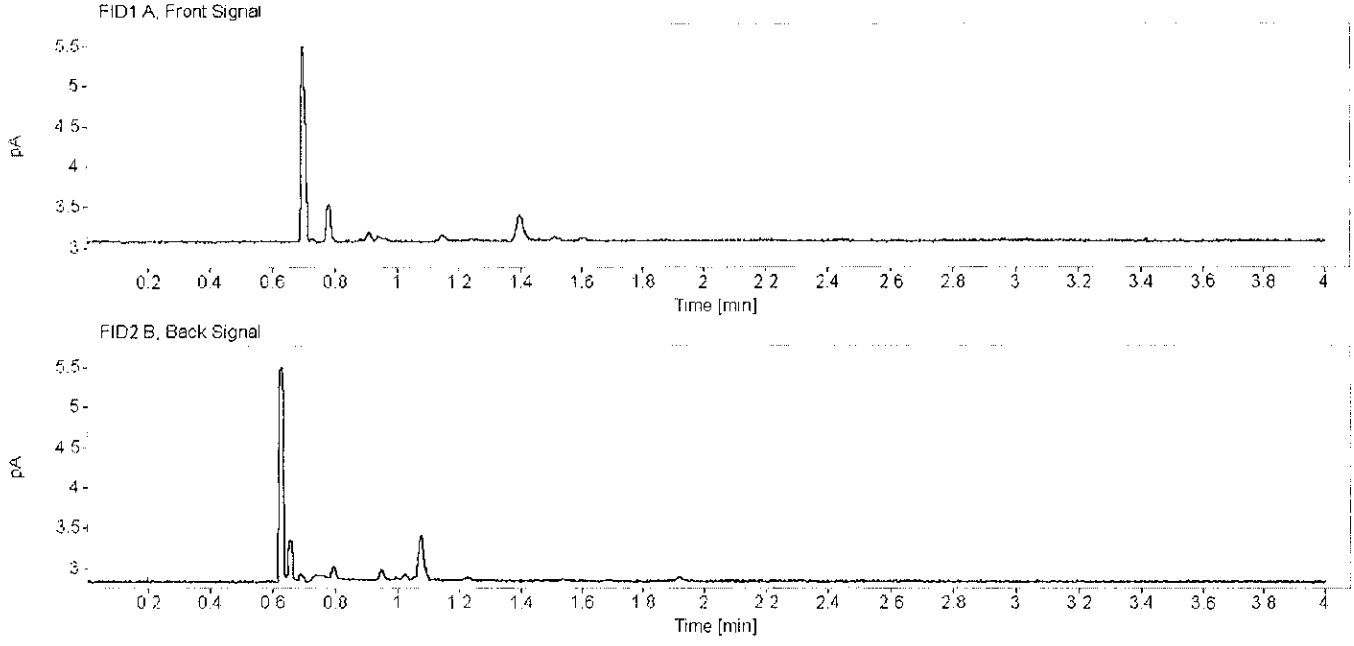
Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/15/2018 10:27:53 AM
Data file:	C:\Chem32\1\Data\ALC_20181015_TEST\ALC_20181015_TEST 2018-10-15 10-18-51\001F0101.D				



VC

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

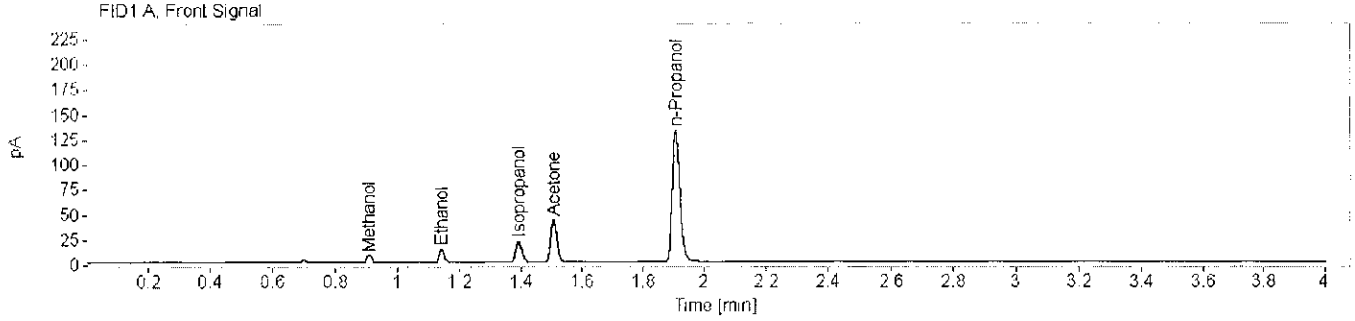
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/15/2018 10:32:24 AM
Data file:	C:\Chem32\1\Data\ALC_20181015_TEST\ALC_20181015_TEST 2018-10-15 10-18-51\002F0201.D				

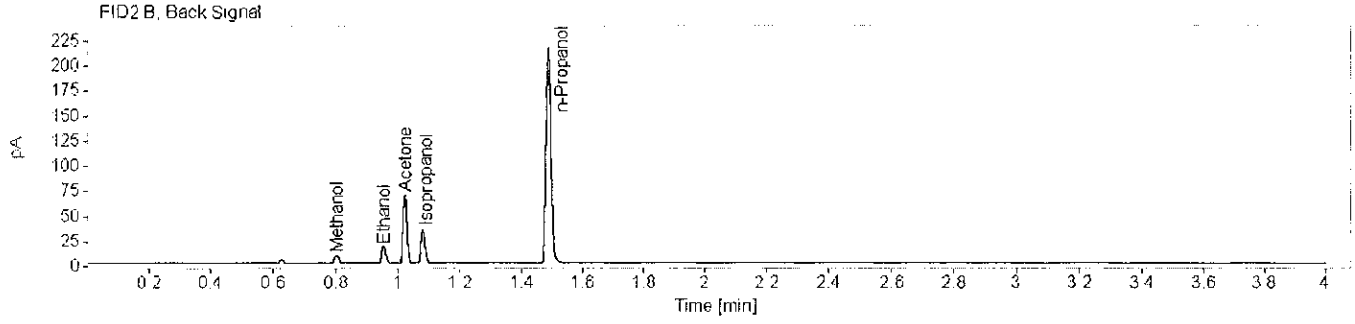


JC

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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/15/2018 10:38:17 AM
Data file: C:\Chem32\1\Data\ALC_20181015_TEST\ALC_20181015_TEST 2018-10-15 10-18-51\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.00315		0.910	0.910	7.8099	0.0120
Ethanol	0.79650		1.144	1.144	15.3751	0.0119
Isopropanol	0.81421		1.392	1.392	28.7245	0.0100
Acetone	0.87824		1.509	1.509	58.7801	0.0109
n-Propanol	0.79756		1.907	1.911	233.3013	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.33468		0.805	0.806	8.0902	0.0117
Ethanol	0.85133		0.956	0.955	16.3979	0.0119
Acetone	0.87856		1.024	1.023	61.3214	0.0107
Isopropanol	0.83539		1.081	1.081	31.4290	0.0103
n-Propanol	0.84807		1.490	1.490	245.0741	0.0100

VC

Sequence: C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181016_TEST.S

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181016_TEST.S
Operator : Andrea Gooden, M.S.
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20181016_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 180920-IS Pipette: Hamilton 1742
Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

==========

Line : 1F
Location : 1
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

==========

Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

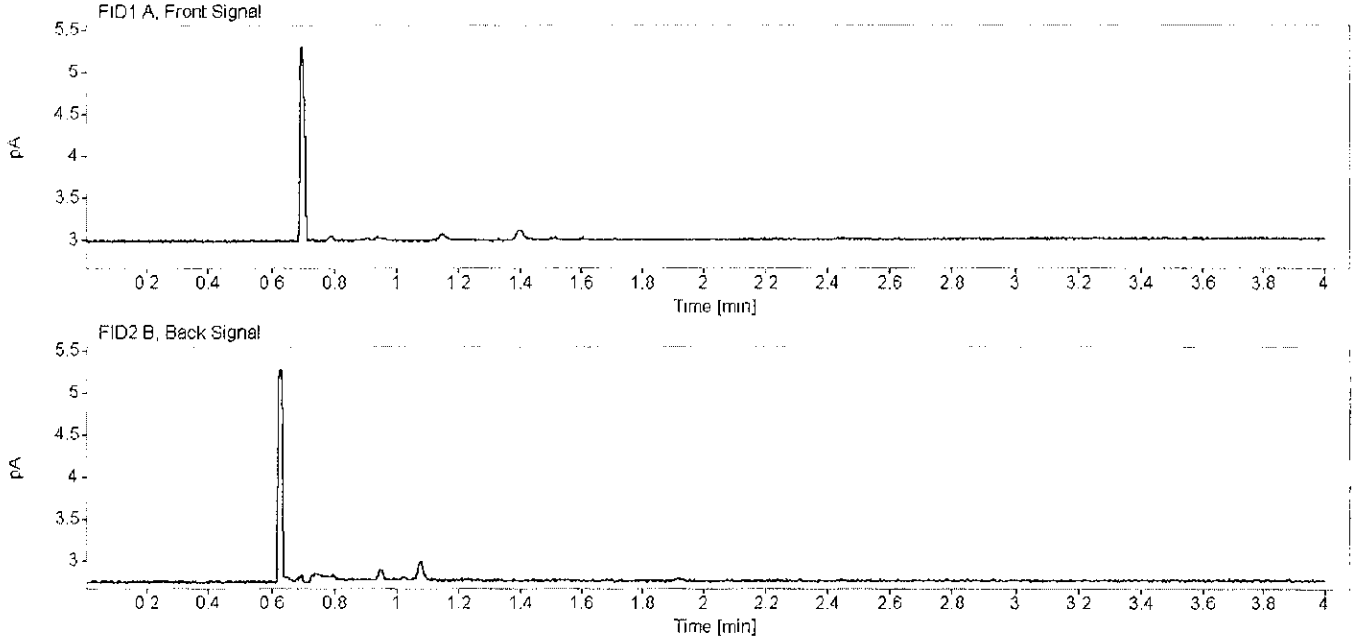
==========

Line : 3F
Location : 3
Sample Information : Lot: FN06121803
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

==========

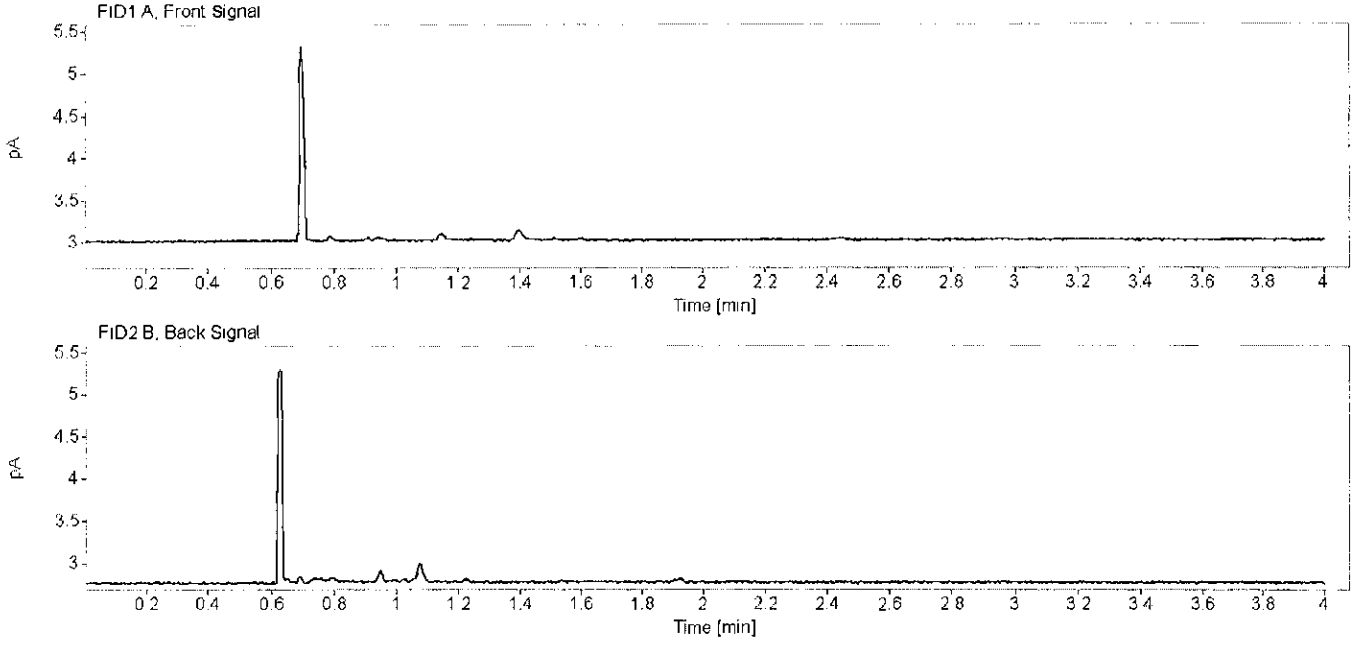
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control	Description:		Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/16/2018 8:57:47 AM
Data file:	C:\Chem32\1\Data\ALC_20181016_TEST\ALC_20181016_TEST 2018-10-16 08-48-47\001F0101.D				



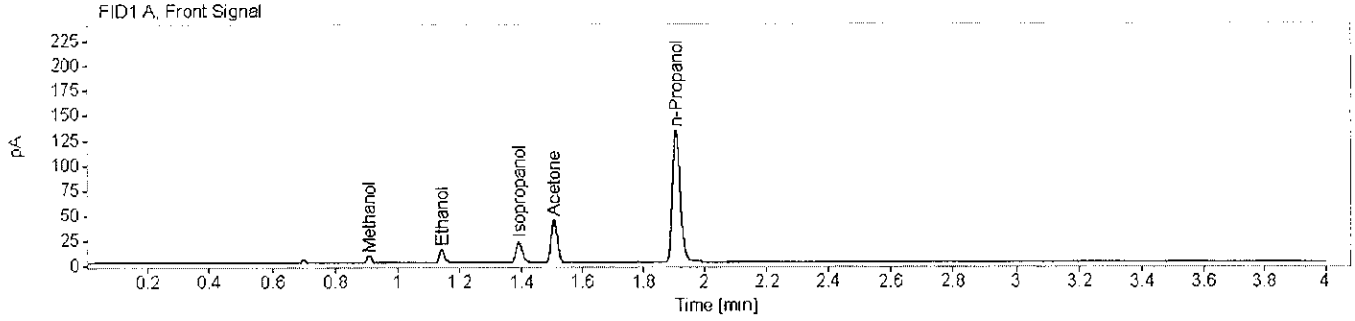
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

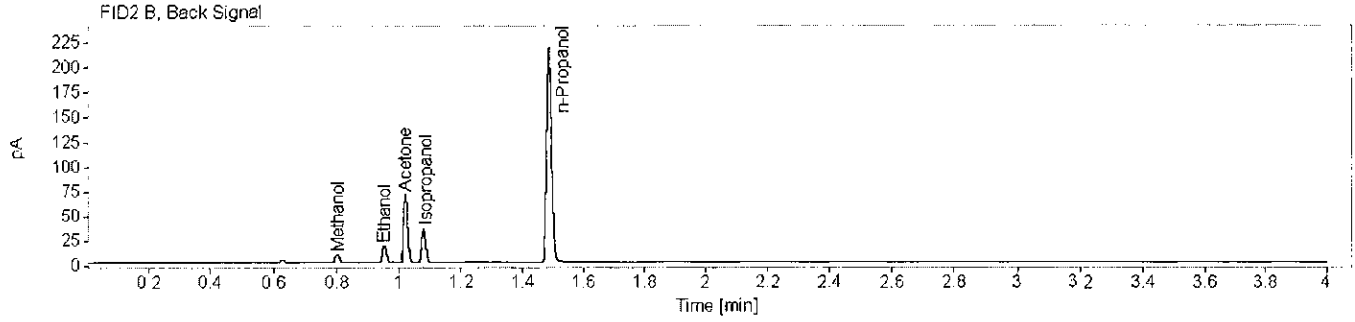
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/16/2018 9:02:18 AM
Data file:	C:\Chem32\1\Data\ALC_20181016_TEST\ALC_20181016_TEST 2018-10-16 08-48-47\002F0201.D				



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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/16/2018 9:08:10 AM
Data file: C:\Chem32\1\Data\ALC_20181016_TEST\ALC_20181016_TEST 2018-10-16 08-48-47\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.97879		0.910	0.910	7.8363	0.0120
Ethanol	0.77791		1.144	1.144	15.4853	0.0119
Isopropanol	0.79847		1.392	1.392	28.6341	0.0098
Acetone	0.88244		1.509	1.509	59.2549	0.0109
n-Propanol	0.77694		1.908	1.911	235.4767	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.56671		0.806	0.806	8.1443	0.0116
Ethanol	0.85633		0.956	0.955	16.4652	0.0118
Acetone	0.87535	1261.13737699269	1.024	1.023	61.8266	0.0107
Isopropanol	0.83467	620.097977435162	1.081	1.081	31.7607	0.0104
n-Propanol	0.84340		1.490	1.490	247.3206	0.0100

Sequence: C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181017_TEST.S

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181017_TEST.S
Operator : Dana R. Mike
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20181017_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 180920-IS Pipette: Hamilton 1742
Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

==========

Line : 1F
Location : 1
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

==========

Line : 2F
Location : 2
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

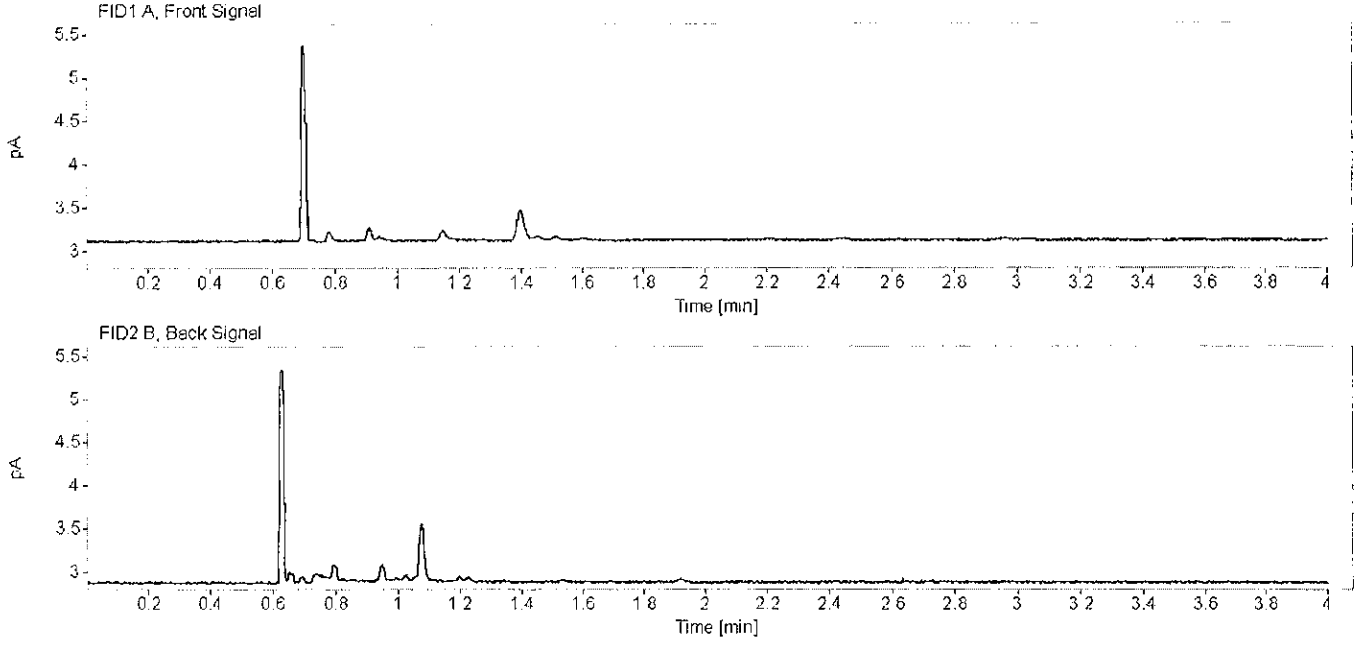
==========

Line : 3F
Location : 3
Sample Information : Lot: FN06121803
Sample Name : SS
Method Name : VOLATILES
Sample Type : Sample

==========

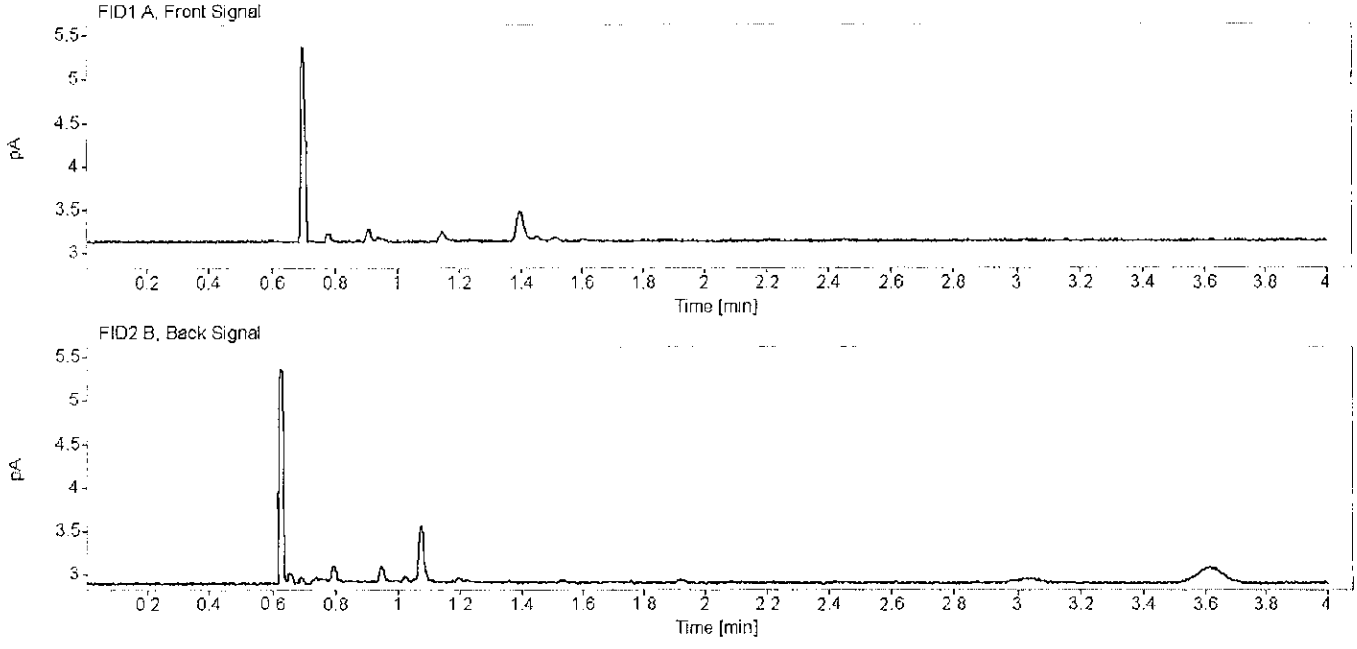
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/17/2018 2:32:22 PM
Data file:	C:\Chem32\1\Data\ALC_20181017_TEST\ALC_20181017_TEST 2018-10-17 14-23-21\001F0101.D				



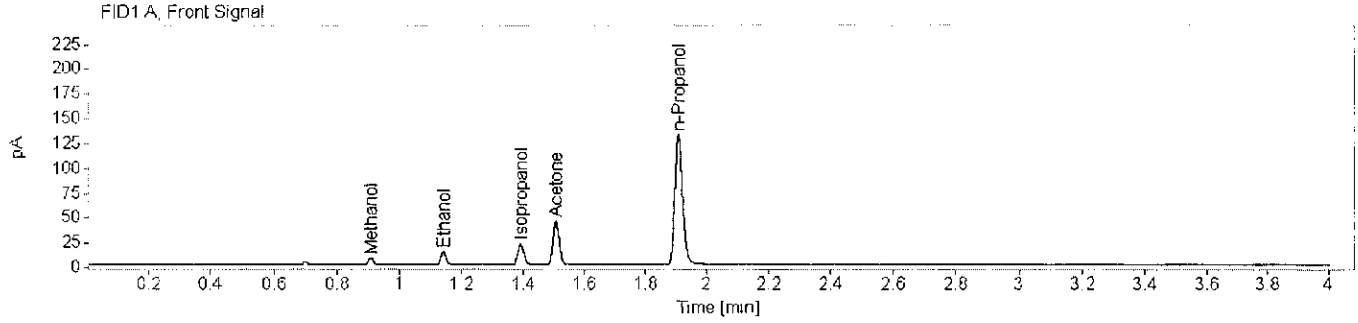
Houston Forensic Science Center, Inc.
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

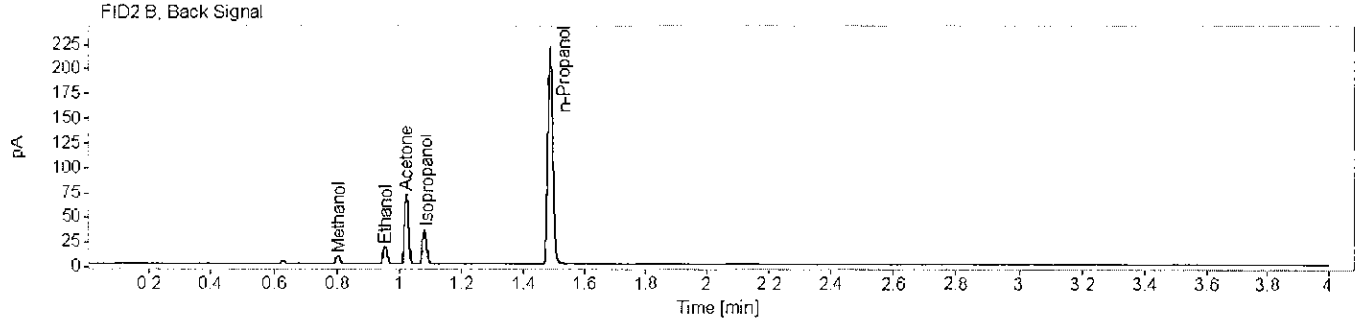
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 2	Acq. method:	VOLATILES.M	Injection date:	10/17/2018 2:36:52 PM
Data file:	C:\Chem32\1\Data\ALC_20181017_TEST\ALC_20181017_TEST 2018-10-17 14-23-21\002F0201.D				



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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/17/2018 2:42:46 PM
Data file: C:\Chem32\1\Data\ALC_20181017_TEST\ALC_20181017_TEST 2018-10-17 14-23-21\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.97246		0.910	0.910	7.9797	0.0123
Ethanol	0.78286		1.144	1.144	15.6724	0.0121
Isopropanol	0.80778		1.392	1.392	28.9829	0.0101
Acetone	0.88589		1.509	1.509	60.9147	0.0113
n-Propanol	0.77479		1.908	1.911	233.3928	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.34881		0.805	0.806	8.2816	0.0117
Ethanol	0.85100	391.743131050952	0.956	0.955	16.7988	0.0119
Acetone	0.87648	956.816047202892	1.024	1.023	63.7380	0.0110
Isopropanol	0.82601	463.600172974766	1.081	1.081	32.3127	0.0105
n-Propanol	0.85036		1.490	1.490	249.4916	0.0100

SEQUENCE PARAMETERS

Sequence	: C:\CHEM32\1\SEQUENCE\2018\10-OCTOBER\ALC_20181018_TEST.S
Operator	: Valerie L Coronado
Data File Naming	: Auto
Data Directory	: C:\Chem32\1\Data\
Data Subdirectory	: ALC_20181018_TEST
Barcode Reader	: not used
Shutdown Cmd/Macro	: macro "shutdowncm.mac",go
Sequence Comment	: I.S. Lot: 181015-IS Pipette: Hamilton 7903

Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

Line	: 1F
Location	: 1
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

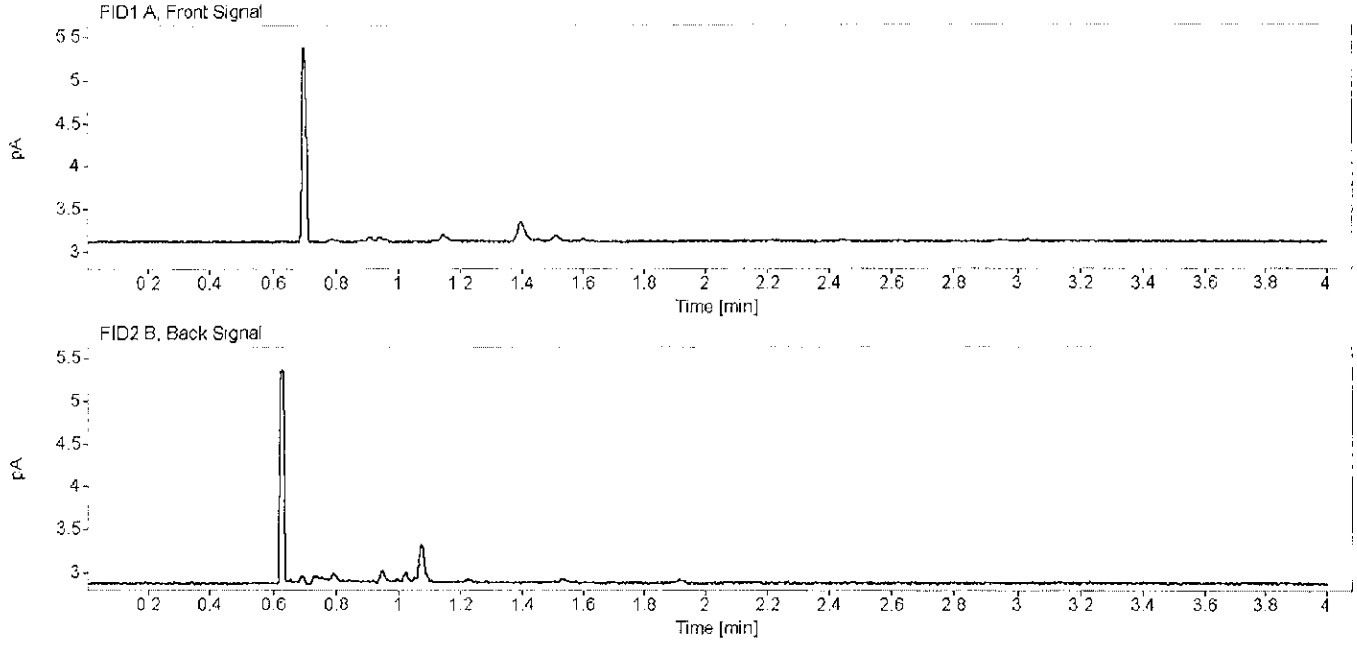
Line	: 2F
Location	: 2
Sample Information	:
Sample Name	: Air Control
Method Name	: VOLATILES
Sample Type	: Sample

Line	: 3F
Location	: 3
Sample Information	: Lot: FN06121803
Sample Name	: SS
Method Name	: VOLATILES
Sample Type	: Sample

VC

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:	10/18/2018 9:36:06 AM
Data file:	C:\Chem32\1\Data\ALC_20181018_TEST\ALC_20181018_TEST 2018-10-18 09-27-04\001F0101.D				



VC

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:	10/18/2018 9:40:36 AM
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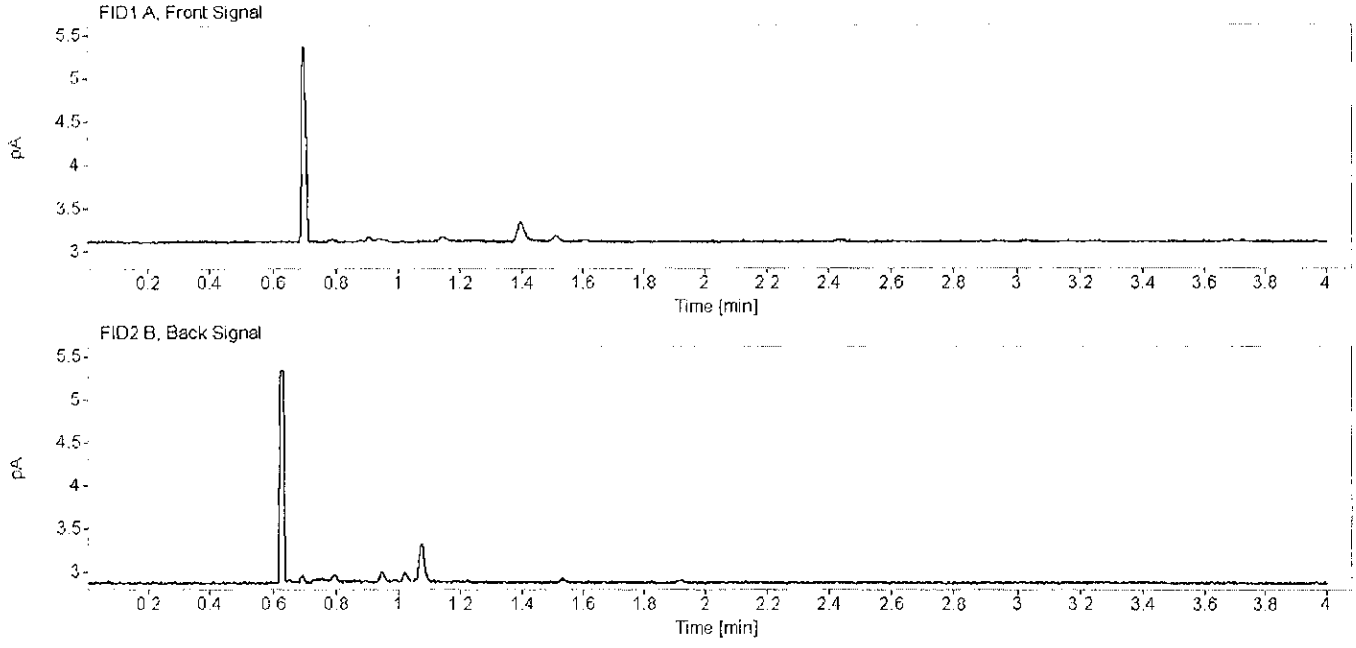
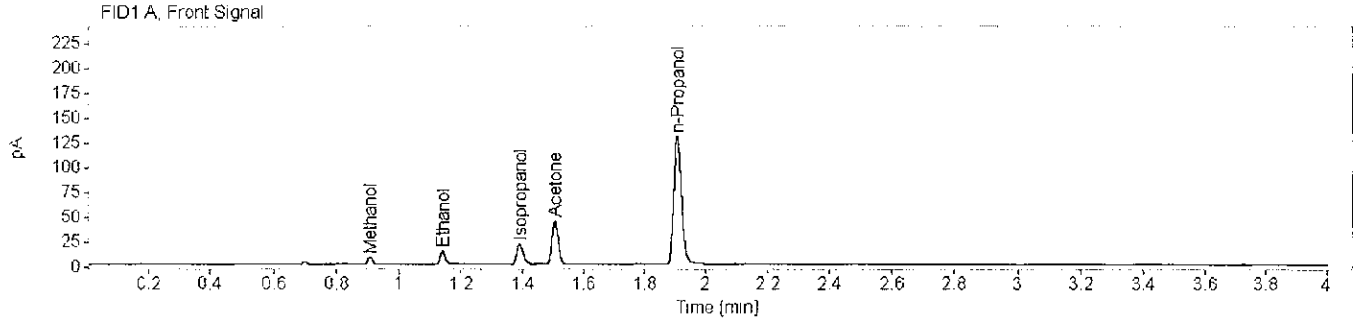
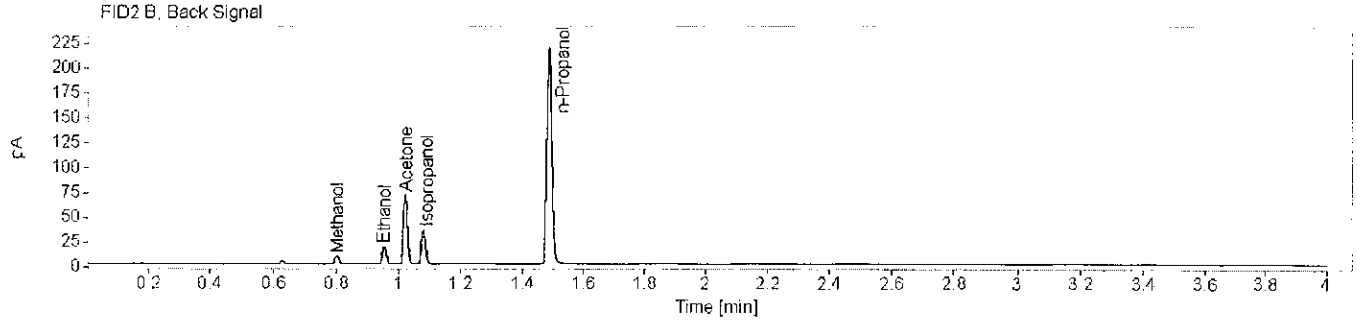


VC

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

Sample name: SS Description: Lot: FN06121803 Vial Number: 3
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 10/18/2018 9:46:29 AM
Data file: C:\Chem32\1\Data\ALC_20181018_TEST\ALC_20181018_TEST 2018-10-18 09-27-04\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.99546		0.910	0.910	8.0105	0.0125
Ethanol	0.77592		1.144	1.144	15.5861	0.0122
Isopropanol	0.74990	199.761194056103	1.392	1.392	29.8033	0.0105
Acetone	0.88652	430.608196072175	1.509	1.509	61.0651	0.0115
n-Propanol	0.76971		1.908	1.911	230.6185	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.43390		0.805	0.806	8.2712	0.0118
Ethanol	0.89243		0.956	0.955	16.4775	0.0118
Acetone	0.87648	1264.00783974079	1.024	1.023	63.3621	0.0110
Isopropanol	0.83339	611.975158935893	1.082	1.081	32.1296	0.0105
n-Propanol	0.84769		1.491	1.490	247.5681	0.0100

JC