Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 3

Date	N_2 Tank Pressure	H_2 Tank Pressure	Air Tank Pressure	He Tank Pressure	Air Control Pass/Fail	SS Pass/Fail	Comments	Signature
06/18/18	70 / 2100	70 / 900	70 / 1300	70 / 400	Pass	Pass		CMR
06/19/18	70 / 2100	70 / 900	70 / 1000	70 / 400			Restarted batch sequence at vial 1 after test sequence was ran in error on 6/18; batch called ALC-20180618R_CMR	CMR
06/19/18					Pass	Pass	Test sequence ran prior to batch analysis on 6/19.	CMR
6/20/18	70 / 2000	70 / 900	70 / 820	70 / 250	PASS	PASS	REPLACED HELIUM TANK.	BM

Form Complete Date/Signature: Brooke Mendenhall 6/25/18

BAM 6/25/18

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-06\ALC_20180618_TEST.S
Operator : Corissa L. Rodgers, M.S.
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180618_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 061218-IS Pipette: Hamilton 7903
Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

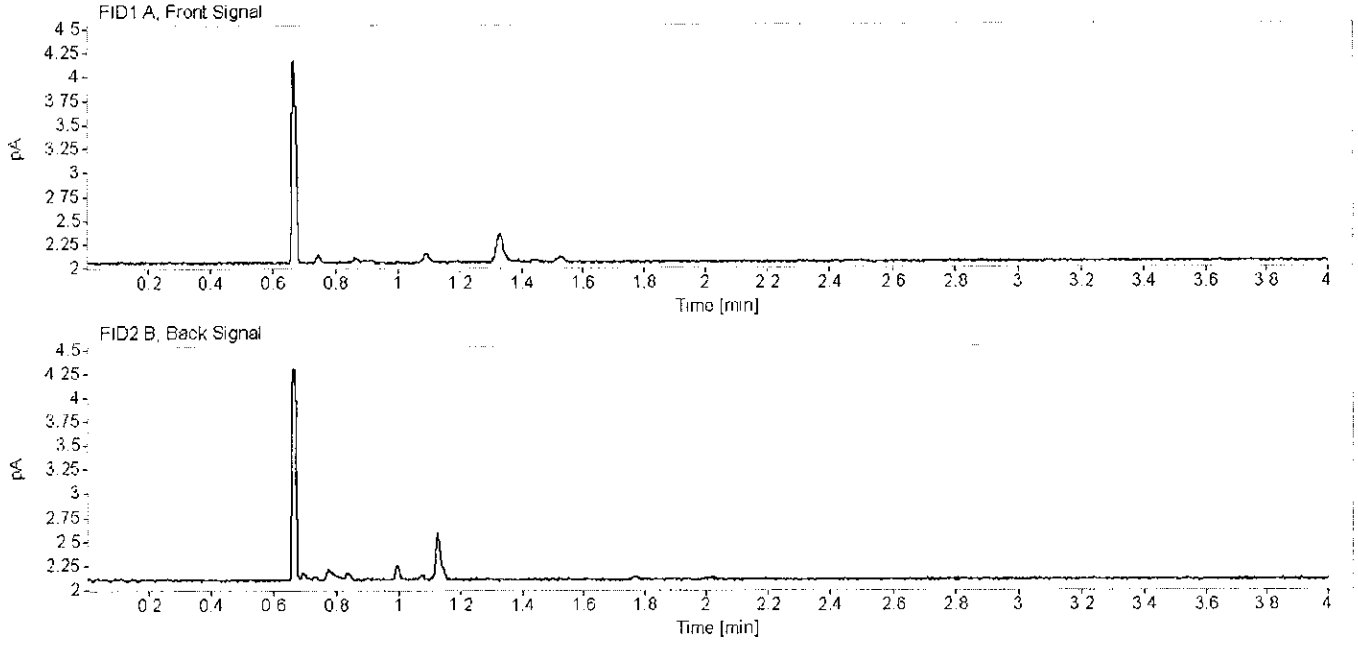
Line : 1F
Location : 1
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

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

Line : 3F
Location : 3
Sample Information : Lot: FN03251502
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 3	Acq. method:	VOLATILES.M	Injection date:	6/18/2018 2:31:22 PM
Data file:	C:\Chem32\1\Data\ALC_20180618_TEST\ALC_20180618_TEST 2018-06-18 14-22-02\001F0101.D				



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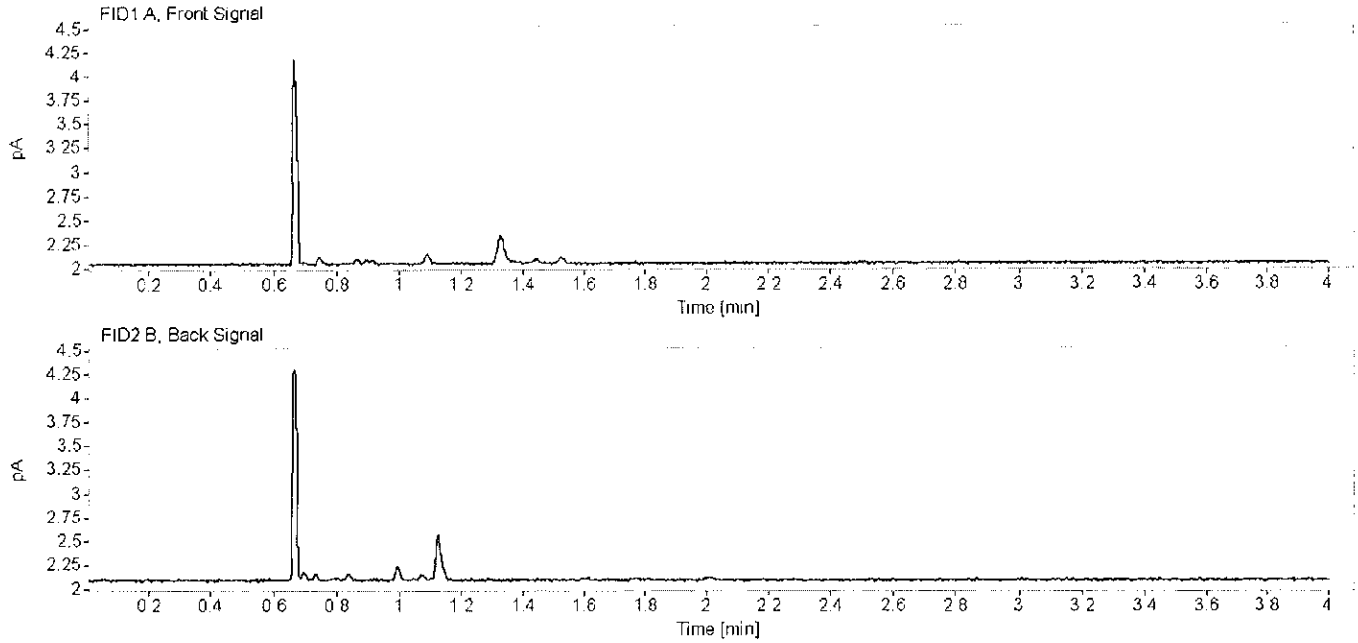
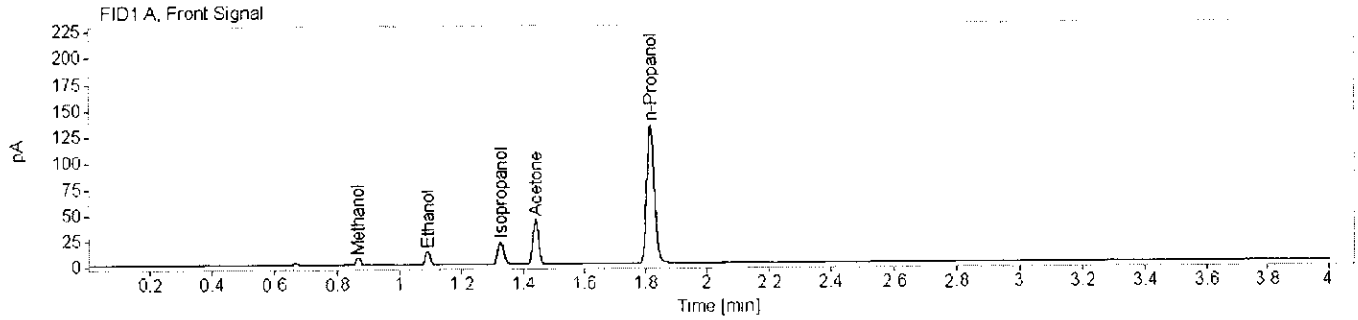
Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms

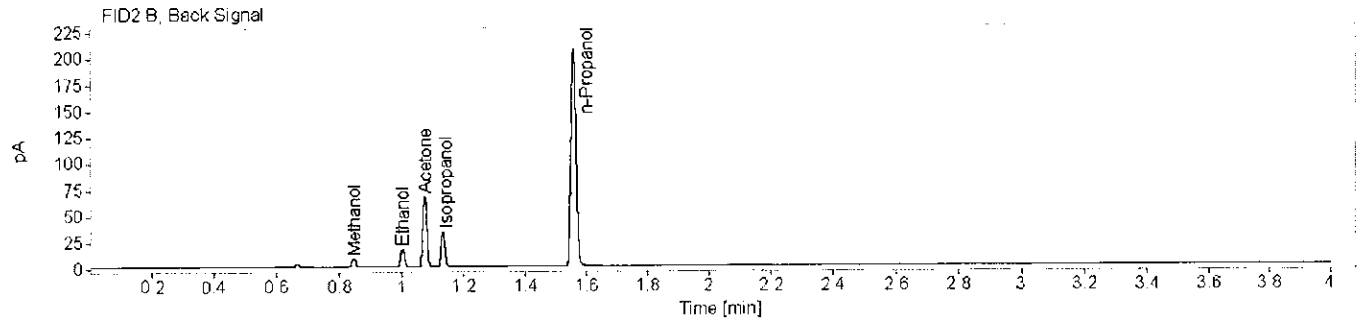
Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	6/18/2018 2:35:52 PM
Data file:	C:\Chem32\1\Data\ALC_20180618_TEST\ALC_20180618_TEST 2018-06-18 14-22-02\002F0201.D				



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

Sample name: SS Description: Lot: FN03251502 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 6/18/2018 2:41:45 PM
Data file: C:\Chem32\1\Data\ALC_20180618_TEST\ALC_20180618_TEST 2018-06-18 14-22-02\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	0.98945		0.869	0.868	7.7648	0.0121
Ethanol	0.79115		1.090	1.088	15.0227	0.0118
Isopropanol	0.82243		1.325	1.324	29.3255	0.0103
Acetone	0.89574		1.440	1.439	58.4519	0.0109
n-Propanol	0.83348		1.816	1.816	230.8708	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.06718		0.848	0.854	7.9579	0.0118
Ethanol	0.89095	410.613837144512	1.005	1.011	16.1347	0.0120
Acetone	0.90187	784.448695558814	1.076	1.081	60.6312	0.0109
Isopropanol	0.86922	381.869884112243	1.135	1.144	31.1396	0.0106
n-Propanol	0.92233		1.560	1.574	238.3426	0.0100

SEQUENCE PARAMETERS

```
Sequence              : C:\CHEM32\1\SEQUENCE\2018-06\ALC_20180619_TEST.S
Operator              : Corissa L. Rodgers, M.S.
Data File Naming      : Auto
Data Directory        : C:\Chem32\1\Data\
Data Subdirectory     : ALC_20180619_TEST
Barcode Reader        : not used
Shutdown Cmd/Macro    : macro "shutdowncm.mac",go
Sequence Comment      : I.S. Lot: 061218-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: FN03251502
Sample Name           : SS
Method Name           : VOLATILES
Sample Type           : Sample
```

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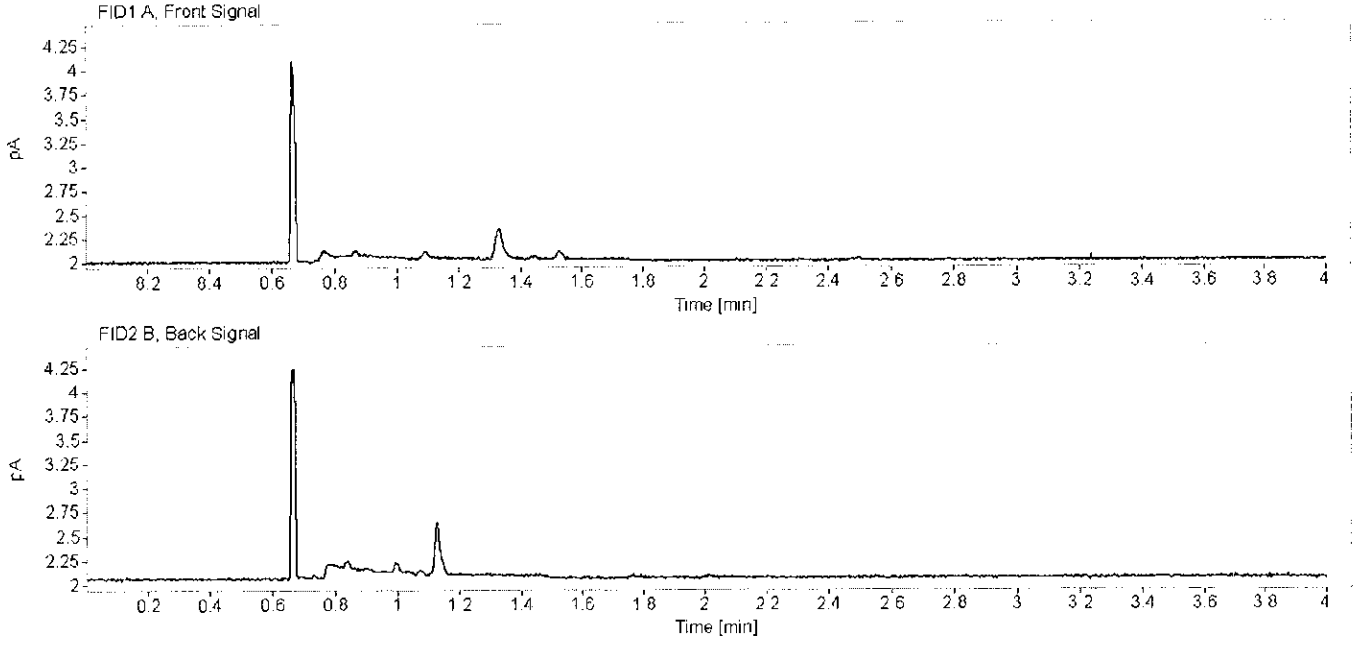
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	1
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	6/19/2018 9:54:40 AM
Data file:	C:\Chem32\1\Data\ALC_20180619_TEST\ALC_20180619_TEST 2018-06-19 09-40-03\001F0101.D				



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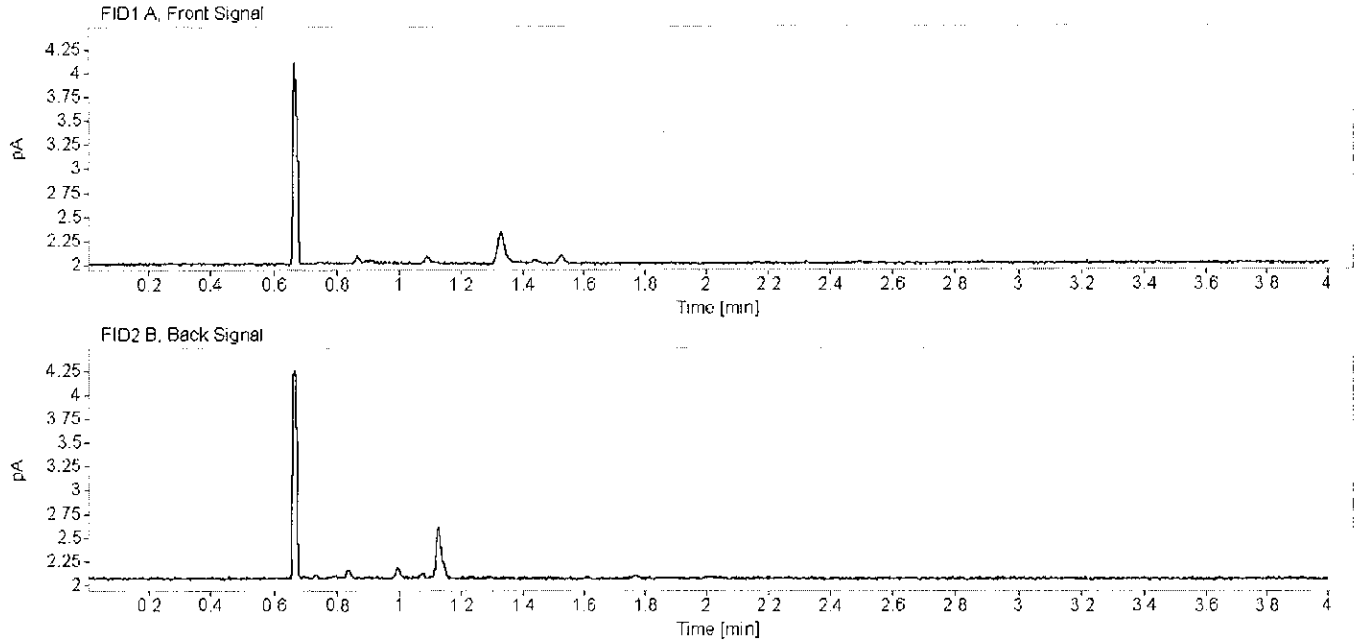
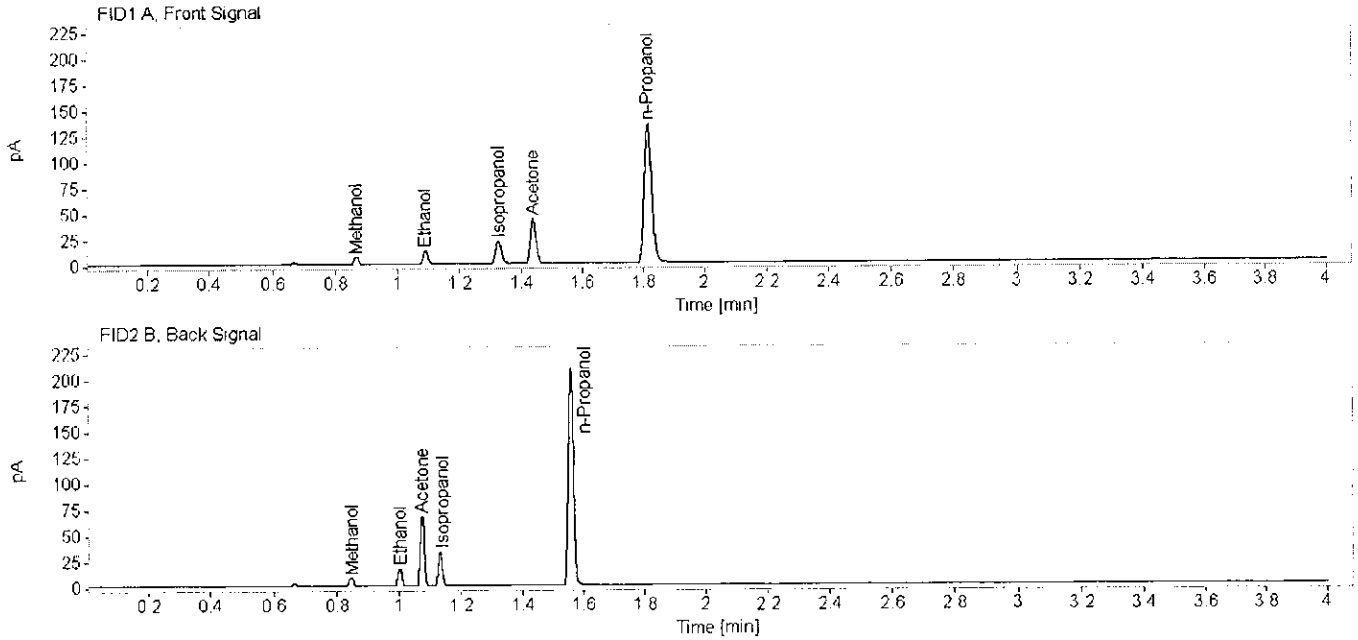
Toxicology - Volatile Analysis Chromatograms

Sample name:	Air Control		Description:	Vial Number:	2
Instrument:	Headspace 3	Acq. method:	VOLATILES.M	Injection date:	6/19/2018 9:59:11 AM
Data file:	C:\Chem32\1\Data\ALC_20180619_TEST\ALC_20180619_TEST 2018-06-19 09-40-03\002F0201.D				



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

Sample name: SS Description: Lot: FN03251502 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 6/19/2018 10:05:04 AM
Data file: C:\Chem32\1\Data\ALC_20180619_TEST\ALC_20180619_TEST 2018-06-19 09-40-03\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.02341		0.869	0.868	7.7873	0.0120
Ethanol	0.76202		1.090	1.088	15.1779	0.0118
Isopropanol	0.81341		1.326	1.324	29.4138	0.0103
Acetone	0.89795		1.440	1.439	59.0525	0.0109
n-Propanol	0.82901		1.816	1.816	232.7310	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.34441		0.850	0.854	8.0270	0.0118
Ethanol	0.86915	372.870643860094	1.005	1.011	16.2374	0.0120
Acetone	0.90260	706.285527213751	1.076	1.081	61.2890	0.0109
Isopropanol	0.85935	343.63629722793	1.135	1.144	31.5523	0.0106
n-Propanol	0.91819		1.560	1.574	240.6476	0.0100

SEQUENCE PARAMETERS

Sequence : C:\CHEM32\1\SEQUENCE\2018-06\ALC_20180620_TEST.S
Operator : Dana R Mike
Data File Naming : Auto
Data Directory : C:\Chem32\1\Data\
Data Subdirectory : ALC_20180620_TEST
Barcode Reader : not used
Shutdown Cmd/Macro : macro "shutdowncm.mac",go
Sequence Comment : I.S. Lot: 061218-IS Pipette: Hamilton 1742
Part of Methods to run: According to Runtime Checklist
Update Master Method (Data Analysis parameters): No

SEQUENCE TABLE:

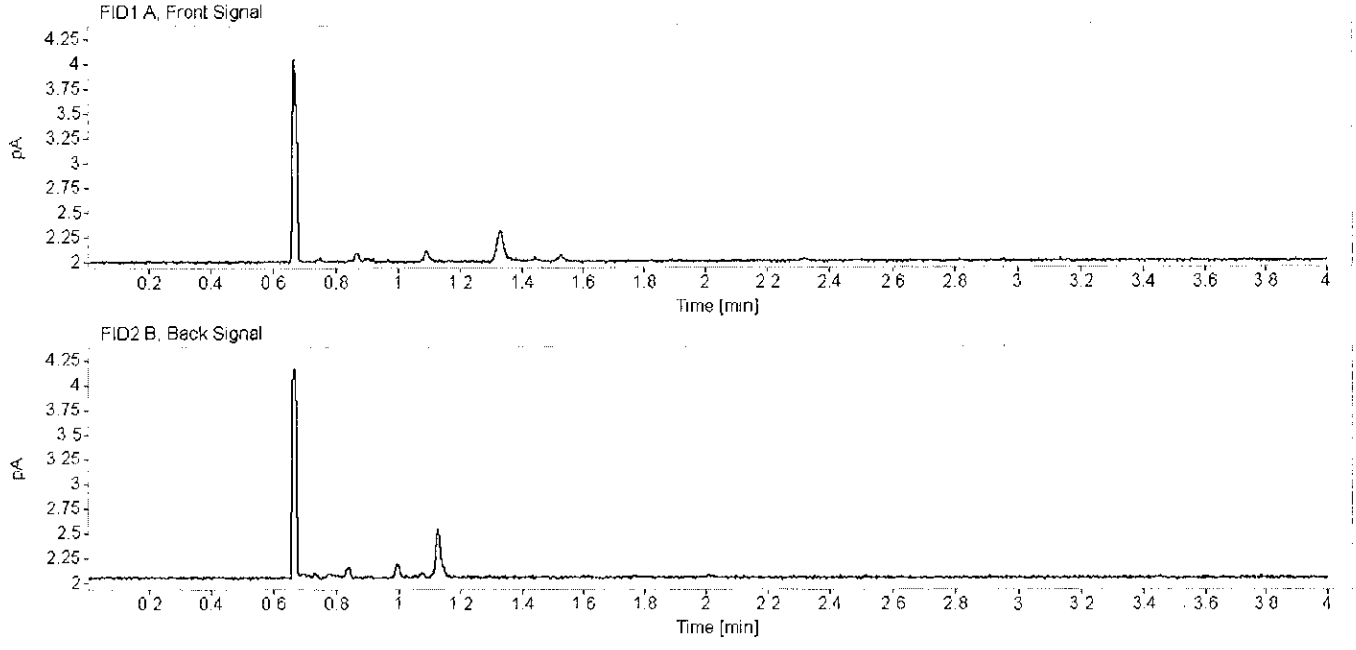
Line : 1F
Location : 1
Sample Information :
Sample Name : Air Control
Method Name : VOLATILES
Sample Type : Sample

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

Line : 3F
Location : 3
Sample Information : Lot: FN03251502
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 3	Acq. method:	VOLATILES.M	Injection date:	6/20/2018 2:28:26 PM
Data file:	C:\Chem32\1\Data\ALC_20180620_TEST\ALC_20180620_TEST 2018-06-20 14-19-05\001F0101.D				



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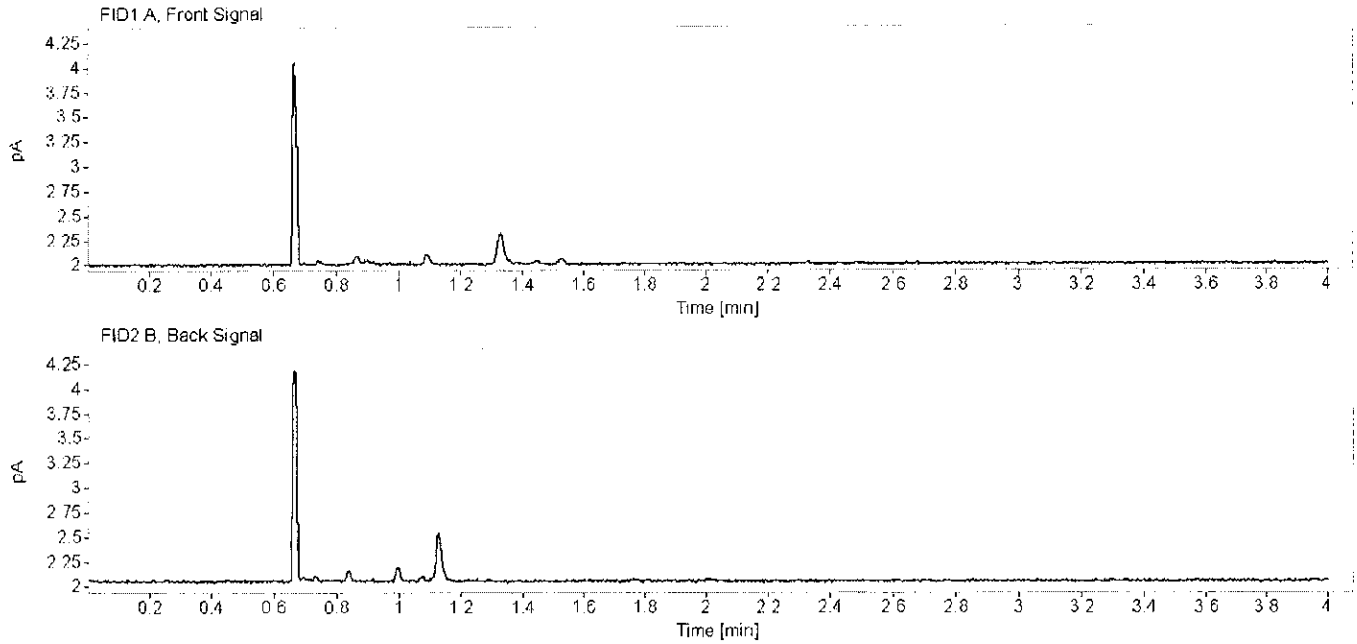
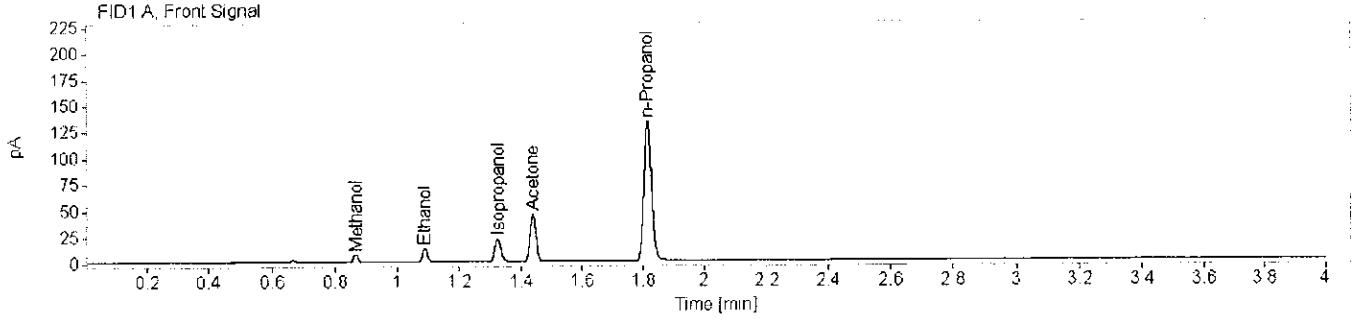
Toxicology - Volatile Analysis Chromatograms

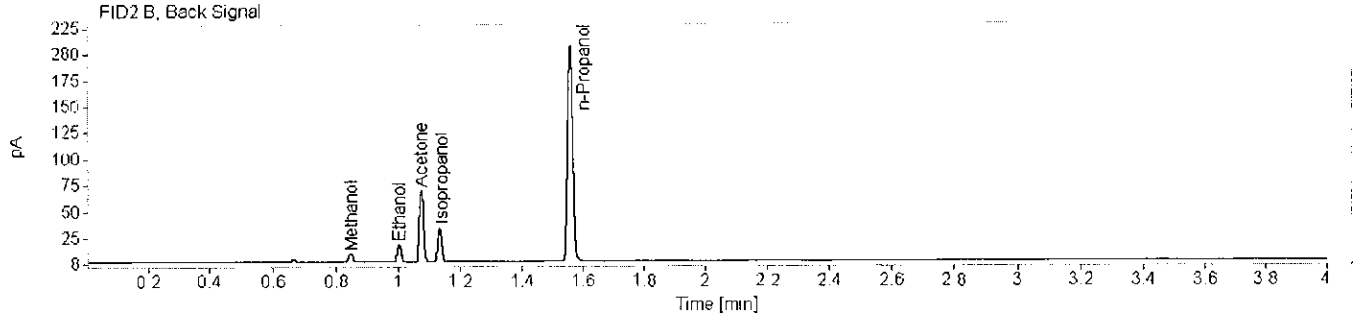
Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 6/20/2018 2:32:56 PM
Data file: C:\Chem32\1\Data\ALC_20180620_TEST\ALC_20180620_TEST 2018-06-20 14-19-05\002F0201.D



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

Sample name: SS Description: Lot: FN03251502 Vial Number: 3
Instrument: Headspace 3 Acq. method: VOLATILES.M Injection date: 6/20/2018 2:38:50 PM
Data file: C:\Chem32\1\Data\ALC_20180620_TEST\ALC_20180620_TEST 2018-06-20 14-19-05\003F0301.D





Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.04190		0.869	0.868	7.6862	0.0120
Ethanol	0.77867		1.090	1.088	15.0413	0.0118
Isopropanol	0.82217		1.326	1.324	29.4853	0.0104
Acetone	0.89351		1.440	1.439	60.2098	0.0113
n-Propanol	0.82808		1.816	1.816	229.9919	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT[min]	Area	Concentration [g/100 mL]
Methanol	1.28033		0.849	0.854	7.9489	0.0118
Ethanol	0.87687	300.868178752074	1.005	1.011	16.1020	0.0120
Acetone	0.90389	636.231911340465	1.076	1.081	62.4487	0.0113
Isopropanol	0.86284	302.614827967255	1.135	1.144	31.2877	0.0107
n-Propanol	0.92252		1.560	1.574	237.2478	0.0100