



Houston Forensic Science Center

Comparative and Analytical Division - Toxicology

Headspace GC Maintenance Log

Instrument: Headspace 2

Date	N ₂ Tank Pressure	H ₂ Water Level	H ₂ Pressure	Air Tank Pressure	He Tank Pressure	Air Control	SS	Comments	Signature
						Pass/Fail	Pass/Fail		
08/17/2020	70 2200	Yes	70	70 1500	70 1000	pass	pass	changed nitrogen tank. -EP 08/17/2020	EP
08/18/2020	70 2150	Yes	70	70 1300	70 1000	pass	pass		EP
8/19/2020	70 2100	yes	70	70 1100	70 950	PASS	PASS		JP
8/20/2020	70 2000	yes	70	70 800	70 900	PASS	PASS		JP
BAM 8/24/2020									

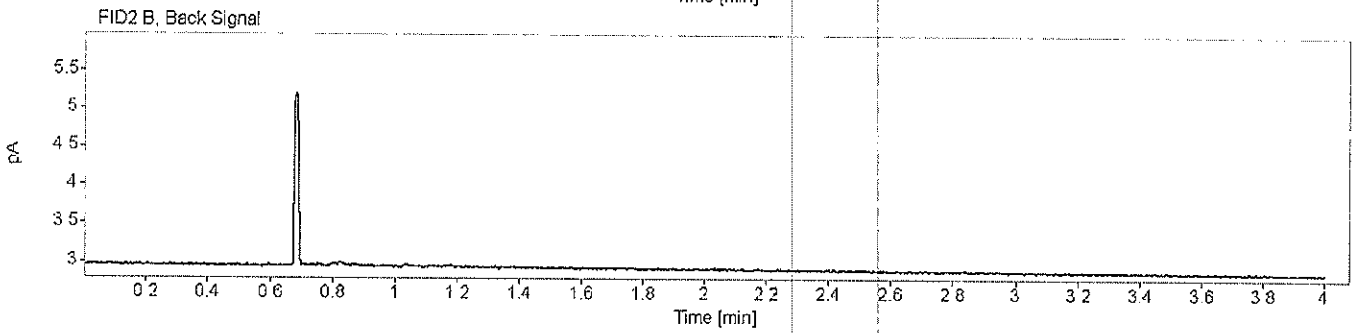
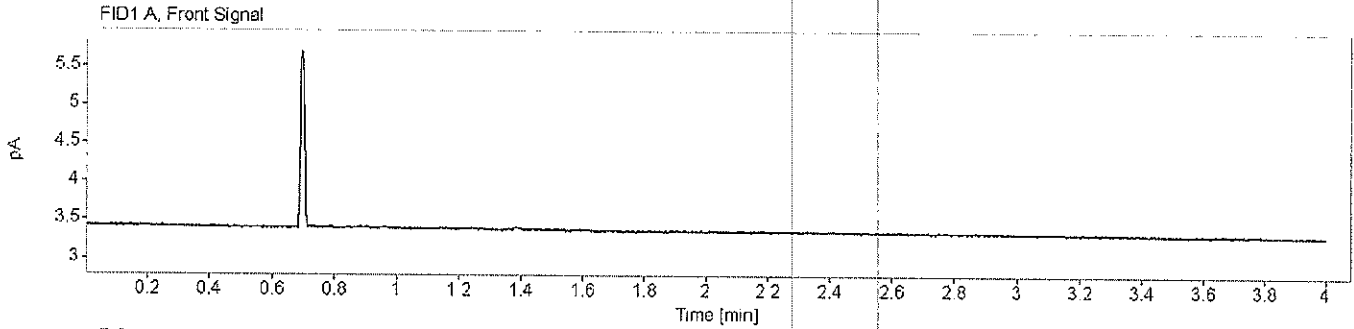
Form Complete Date/Signature:

Brooke Mendenhall 8/24/2020

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Forensic Analysis Division
Toxicology - Volatile Analysis Chromatograms



Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/17/2020 8:44:21 AM
Data file: C:\Chem32\11\Data\ALC_20200817_TEST\ALC_20200817_TEST 2020-08-17 08-35-20\001F0101.D

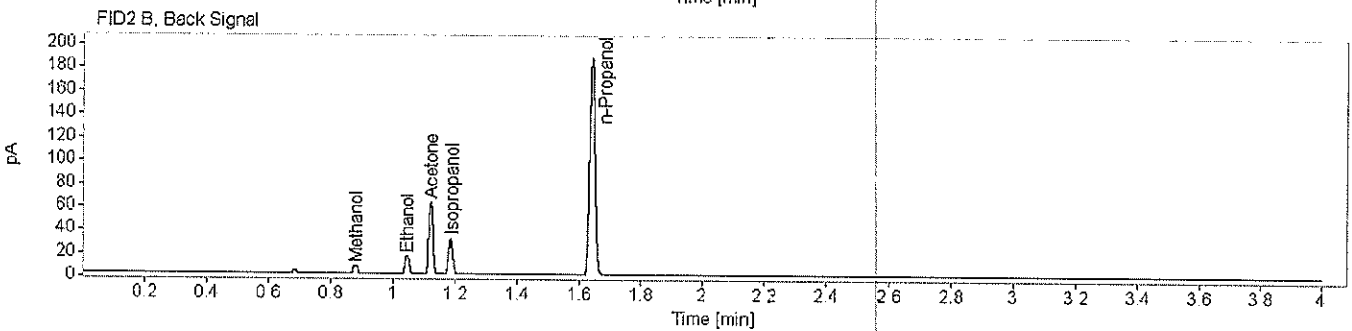
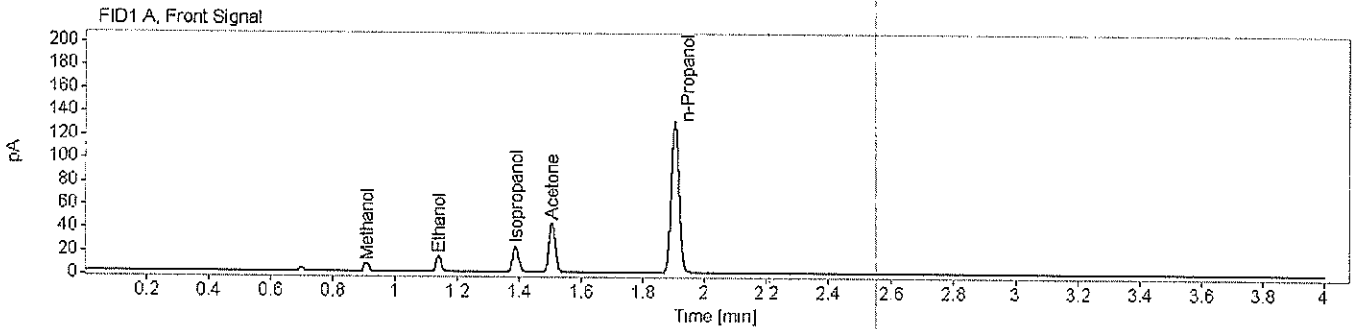


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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/17/2020 8:54:43 AM
 Data file: C:\Chem32\11\Data\ALC_20200817_TEST\ALC_20200317_TEST 2020-08-17 08-35-20\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	0.99783		0.909	0.910	7.5203	0.0119
Ethanol	0.88443		1.141	1.144	15.3602	0.0122
Isopropanol	0.87912		1.388	1.392	29.7013	0.0107
Acetone	0.89781		1.506	1.509	58.7021	0.0112
n-Propanol	0.89716		1.902	1.911	227.1391	0.0100

Name FID2B

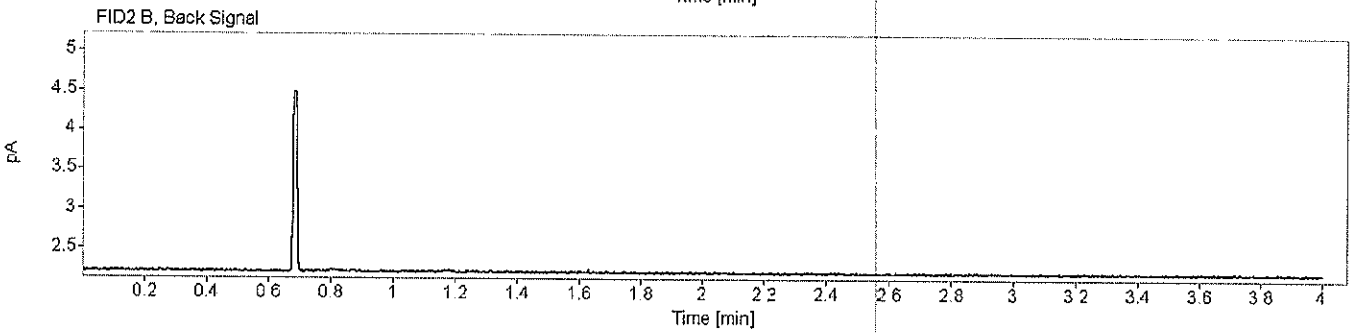
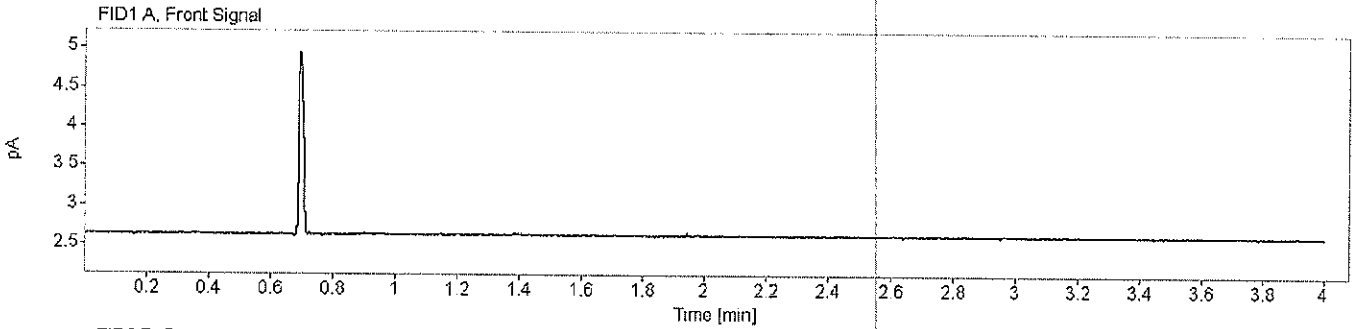
Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.35089		0.881	0.881	7.4168	0.0119
Ethanol	0.92083		1.046	1.046	14.9972	0.0120
Acetone	0.92781		1.122	1.122	57.0152	0.0111
Isopropanol	0.91318		1.186	1.186	28.9334	0.0106
n-Propanol	0.96011		1.642	1.644	221.0168	0.0100

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Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/18/2020 7:47:05 AM
Data file: C:\Chem32\11\Data\ALC_20200818_TEST\ALC_20200818_TEST 2020-08-18 07-38-04\001F0101.D

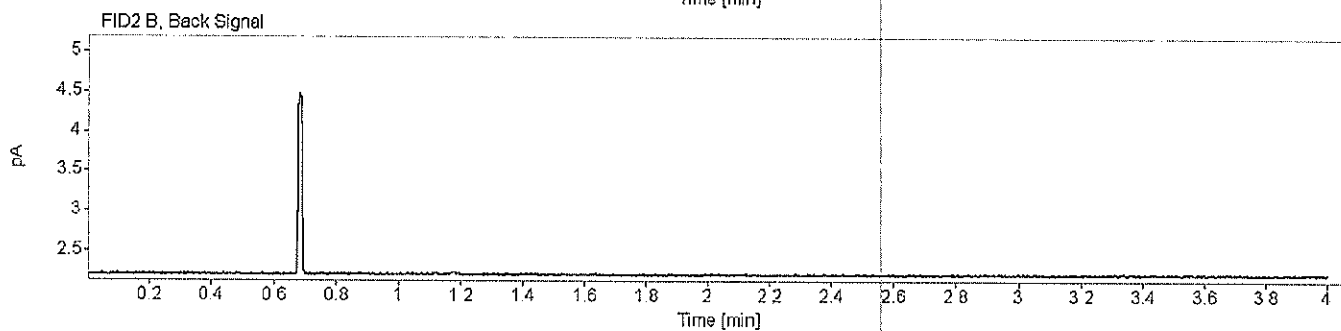
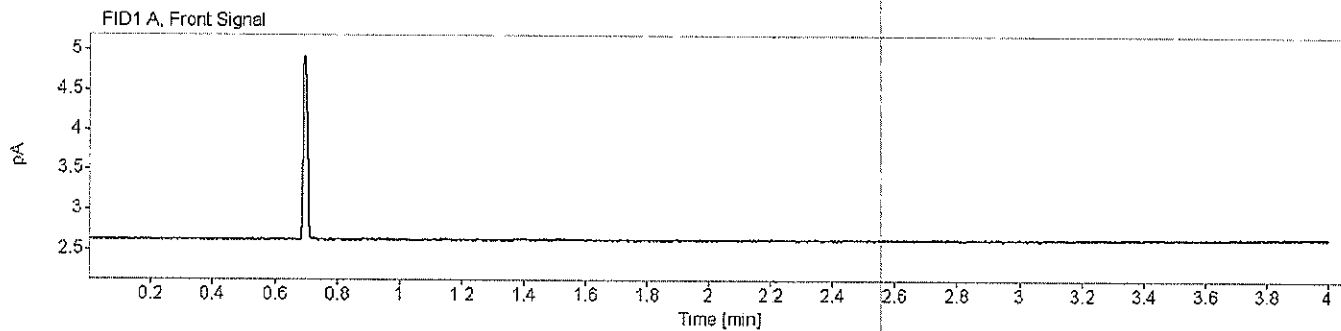


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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/18/2020 7:51:35 AM
Data file: C:\Chem32\11\Data\ALC_20200818_TEST\ALC_20200818_TEST 2020-08-18 07-38-04\002F0201.D

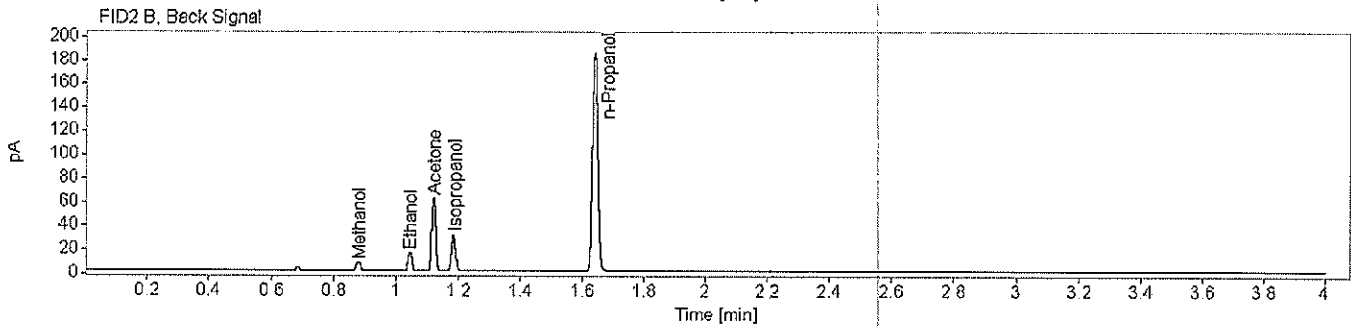
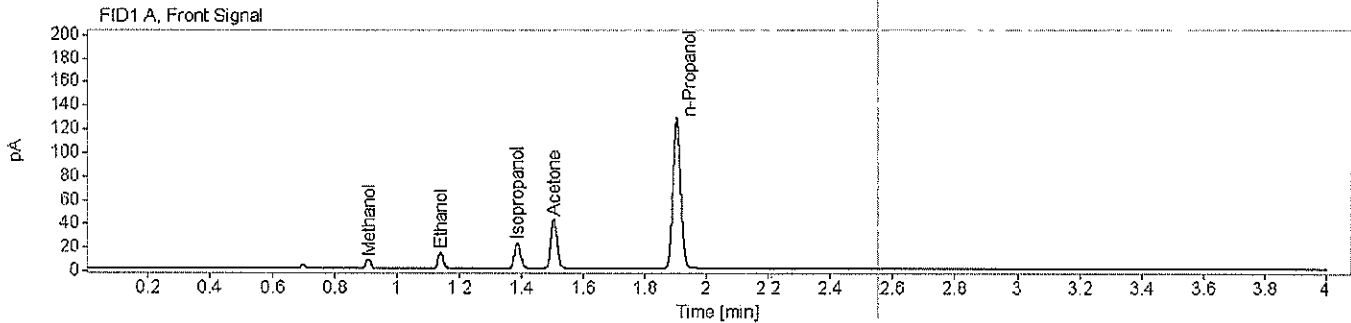


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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/18/2020 7:57:28 AM
 Data file: C:\Chem32\11\Data\ALC_20200818_TEST\ALC_20200818_TEST_2020-08-18 07-38-04\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.00140		0.909	0.910	7.3854	0.0119
Ethanol	0.87640		1.141	1.144	15.0582	0.0122
Isopropanol	0.87527		1.388	1.392	29.0497	0.0106
Acetone	0.89414		1.506	1.509	57.3696	0.0111
n-Propanol	0.88510		1.903	1.911	222.3920	0.0100

Name FID2B

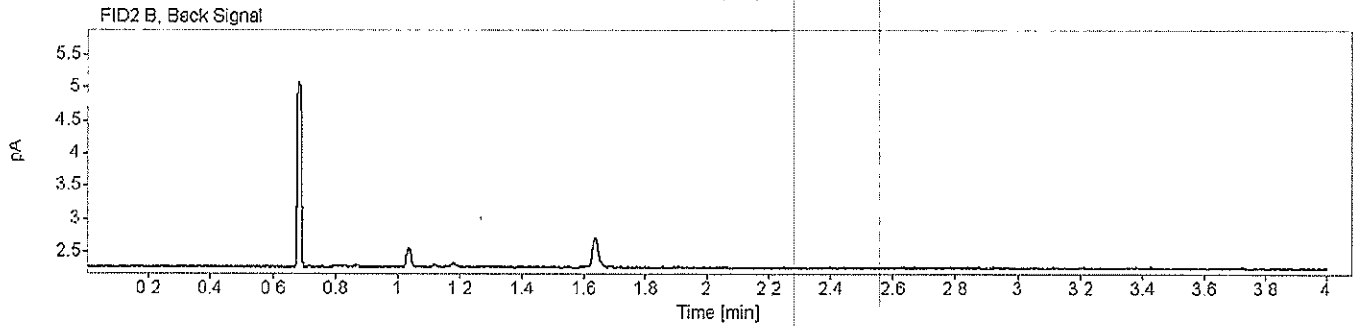
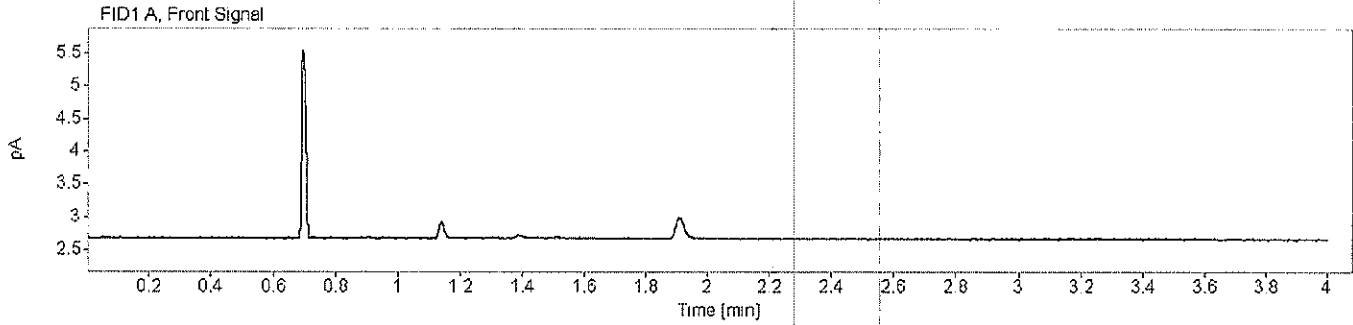
Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.26754		0.881	0.881	7.2346	0.0118
Ethanol	0.90792		1.046	1.045	14.7253	0.0121
Acetone	0.92416		1.122	1.122	55.7652	0.0111
Isopropanol	0.89398		1.186	1.185	28.3737	0.0106
n-Propanol	0.95180		1.642	1.644	216.4624	0.0100

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Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/19/2020 11:13:11 AM
Data file: C:\Chem32\1\Data\ALC_20200819_TEST\ALC_20200819_TEST_2020-08-19 11-04-09\001F0101.D

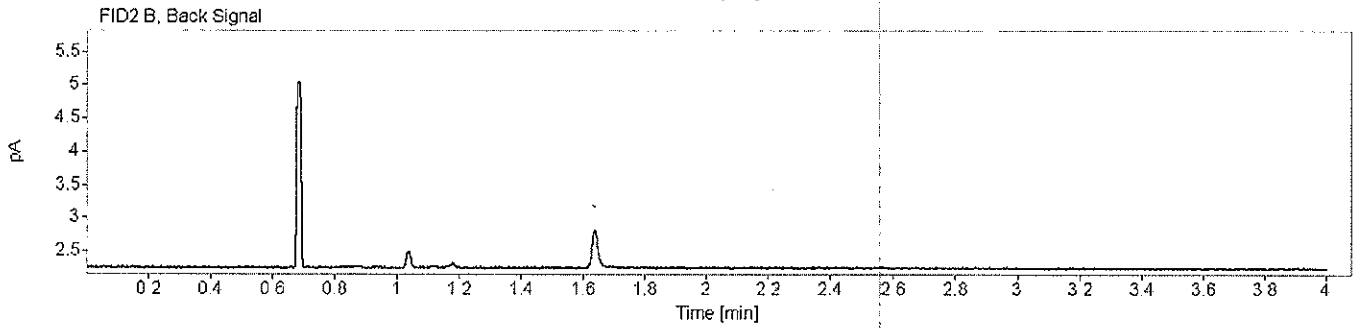
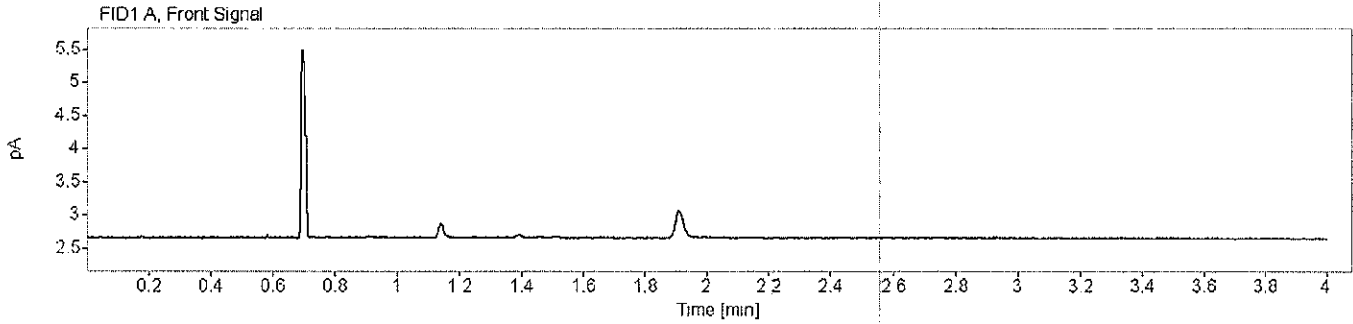


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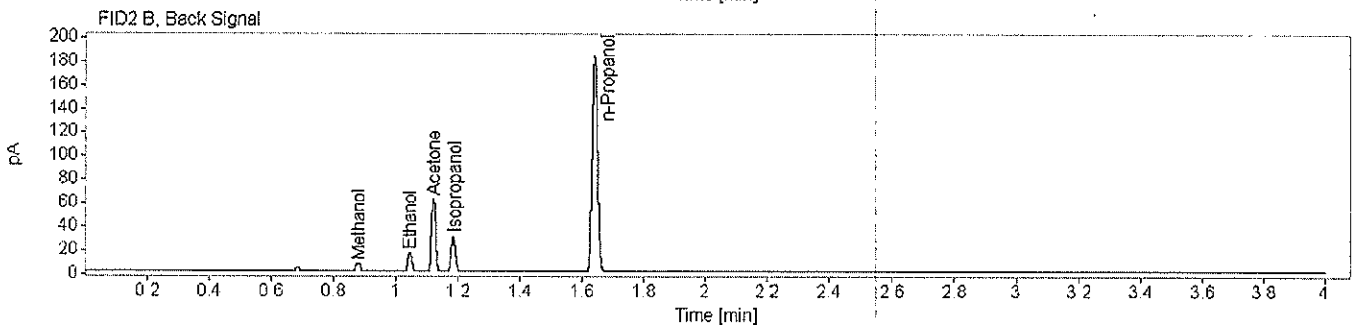
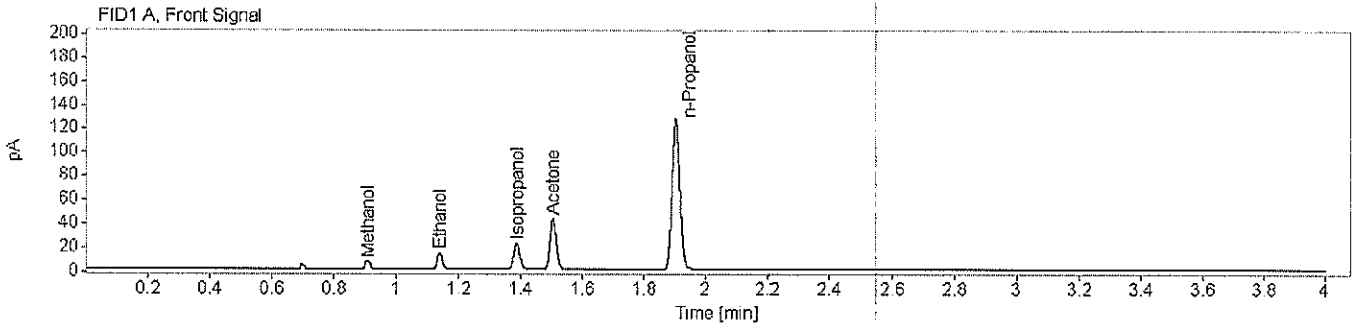
Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/19/2020 11:17:41 AM
Data file: C:\Chem32\1\Data\ALC_20200819_TEST\ALC_20200819_TEST_2020-08-19 11-04-09\002F0201.D



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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/19/2020 11:23:34 AM
 Data file: C:\Chem32\11\Data\ALC_20200819_TEST\ALC_20200819_TEST 2020-08-19 11-04-09\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.00317		0.909	0.940	7.4431	0.0121
Ethanol	0.88299		1.141	1.144	15.1549	0.0123
Isopropanol	0.87706		1.388	1.392	29.1335	0.0107
Acetone	0.89961		1.506	1.509	57.9567	0.0113
n-Propanol	0.88647		1.903	1.911	221.5047	0.0100

Name FID2B

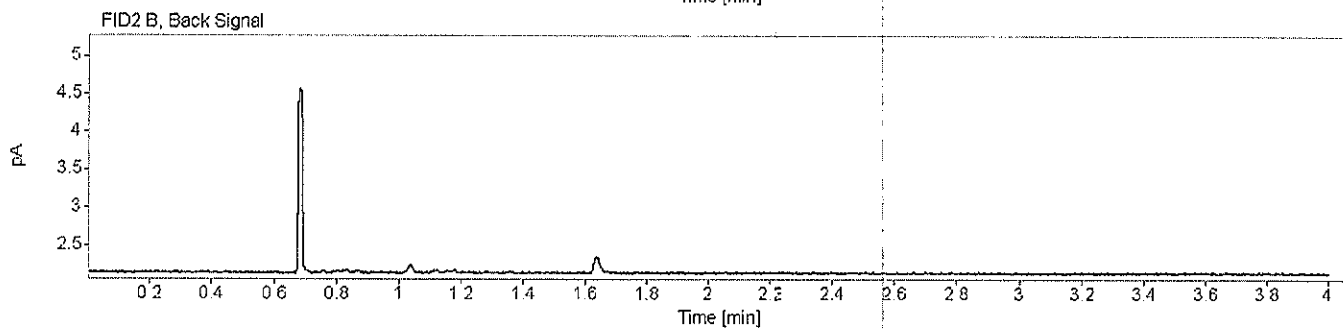
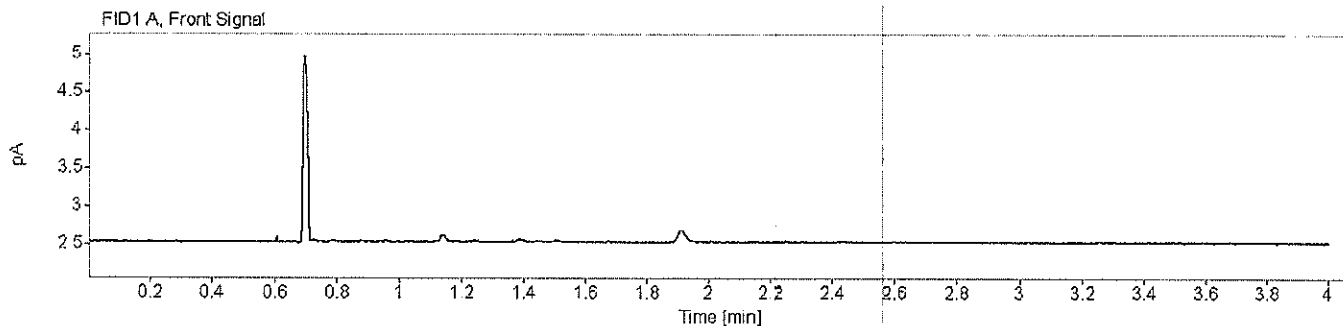
Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.18891		0.881	0.881	7.3371	0.0120
Ethanol	0.90908		1.046	1.046	14.8964	0.0122
Acetone	0.92027		1.122	1.122	56.3233	0.0112
Isopropanol	0.89354		1.186	1.186	28.5015	0.0107
n-Propanol	0.95629		1.642	1.644	215.9899	0.0100

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Sample name: Air Control Description: Vial Number: 1
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/20/2020 10:46:09 AM
Data file: C:\Chem32\1\Data\ALC_20200820_TEST\ALC_20200820_TEST 2020-08-20 10-37-08\001F0101.D

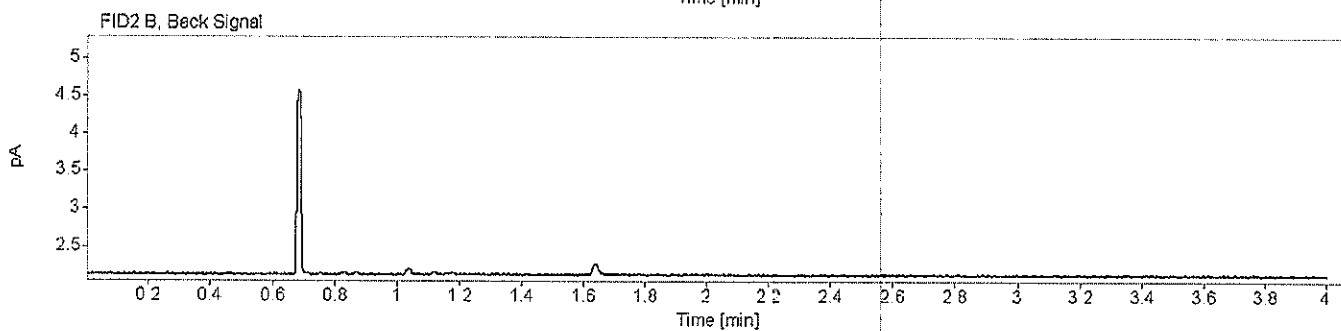
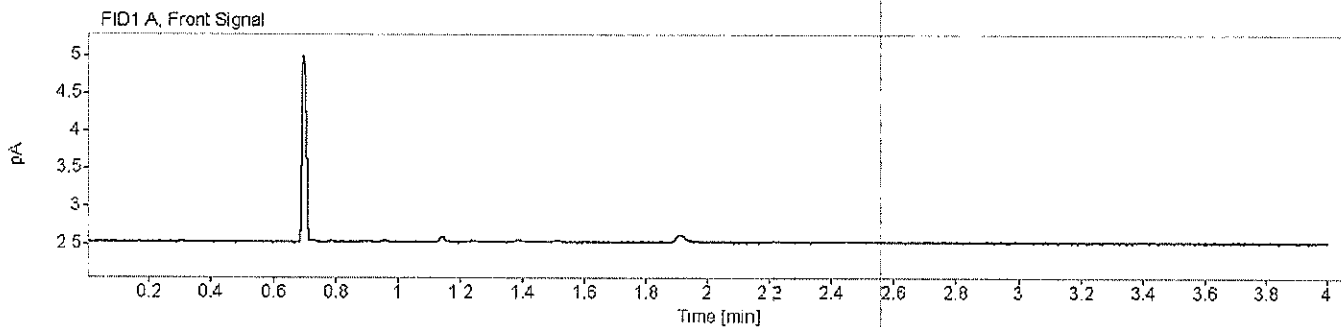


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Sample name: Air Control Description: Vial Number: 2
Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/20/2020 10:50:38 AM
Data file: C:\Chem32\11\Data\ALC_20200820_TEST\ALC_20200820_TEST 2020-08-20 10-37-08\002F0201.D

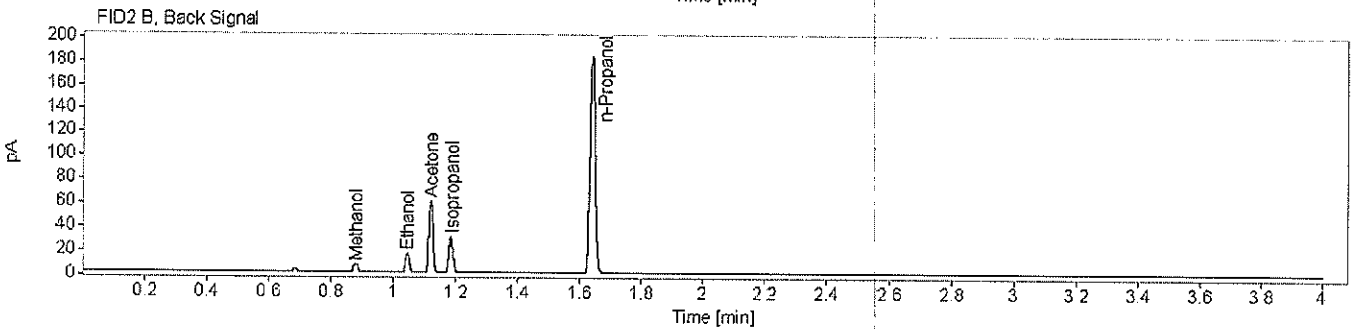
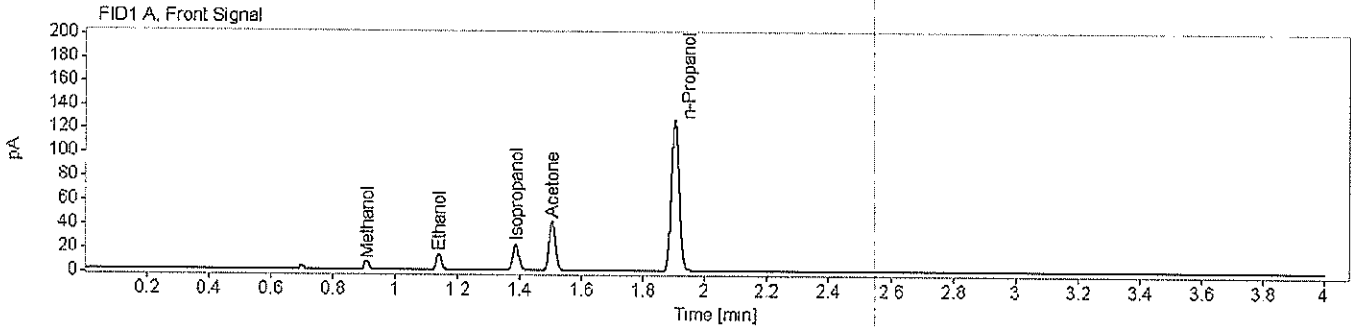


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Sample name: SS Description: Lot: FN02242010 Vial Number: 3
 Instrument: Headspace 2 Acq. method: VOLATILES.M Injection date: 8/20/2020 10:56:31 AM
 Data file: C:\Chem32\11\Data\ALC_20200820_TEST\ALC_20200820_TEST 2020-08-20 10-37-08\003F0301.D



Name FID1A

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.00309		0.909	0.910	7.4502	0.0121
Ethanol	0.87097		1.141	1.144	15.1330	0.0123
Isopropanol	0.87458		1.388	1.392	28.9708	0.0107
Acetone	0.89403		1.506	1.509	56.8839	0.0111
n-Propanol	0.88490		1.903	1.911	221.1932	0.0100

Name FID2B

Compound	Peak Symmetry	Peak to Valley Ratio	RT [min]	Expected RT [min]	Area	Concentration [g/100 mL]
Methanol	1.27707		0.881	0.881	7.3329	0.0120
Ethanol	0.88631		1.046	1.045	14.8808	0.0122
Acetone	0.92076	1234.28317275584	1.122	1.122	55.4259	0.0111
Isopropanol	0.89198	605.178492207482	1.186	1.185	28.4469	0.0107
n-Propanol	0.94662		1.642	1.644	215.5585	0.0100

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