LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.183	21	29	51	rBV	8303787	7511846	100.00%	36.563%
2	1.299	55	65	88	rBV	1527076	1827367	24.33%	8.895%
3	1.399	89	96	108	rVV	2797033	2851722	37.96%	13.881%
4	1.756	199	207	229	rVB	411056	552690	7.36%	2.690%
5	1.945	257	266	285	rVB	293234	399064	5.31%	1.942%
6	2.273	359	368	381	rBV	148188	229179	3.05%	1.116%
7	2.457	416	425	441	rVB	49241	93233	1.24%	0.454%
8	2.788	519	528	540	rVB	106613	193843	2.58%	0.944%
9	2.981	578	588	603	rVB3	69856	146080	1.94%	0.711%
10	4.084	911	931	952	rBV	72381	191889	2.55%	0.934%
11	4.222	952	974	1015	rBV2	650579	1768739	23.55%	8.609%
12	4.646	1089	1106	1123	rBV	90913	212797	2.83%	1.036%
13	4.987	1193	1212	1231	rBV3	92756	226903	3.02%	1.104%
14	5.334	1301	1320	1351	rVB2	185052	525143	6.99%	2.556%
15	5.884	1474	1491	1524	rBV	211400	413682	5.51%	2.014%
16	6.328	1615	1629	1642	rBV	119871	241190	3.21%	1.174%
17	6.408	1643	1654	1672	rVB2	69233	151846	2.02%	0.739%
18	7.225	1894	1908	1926	rBV	61719	115283	1.53%	0.561%
19	7.563	1993	2013	2032	rBV	257336	462194	6.15%	2.250%
20	8.312	2232	2246	2274	rBV	413664	732226	9.75%	3.564%
21	9.087	2472	2487	2510	rBV	310626	514490	6.85%	2.504%
22	10.431	2894	2905	2923	rBV	119204	190066	2.53%	0.925%
23	11.482	3220	3232	3255	rBV	331364	532220	7.09%	2.591%
24	11.858	3336	3349	3374	rBV	277522	460997	6.14%	2.244%

Sum of corrected areas: 20544689

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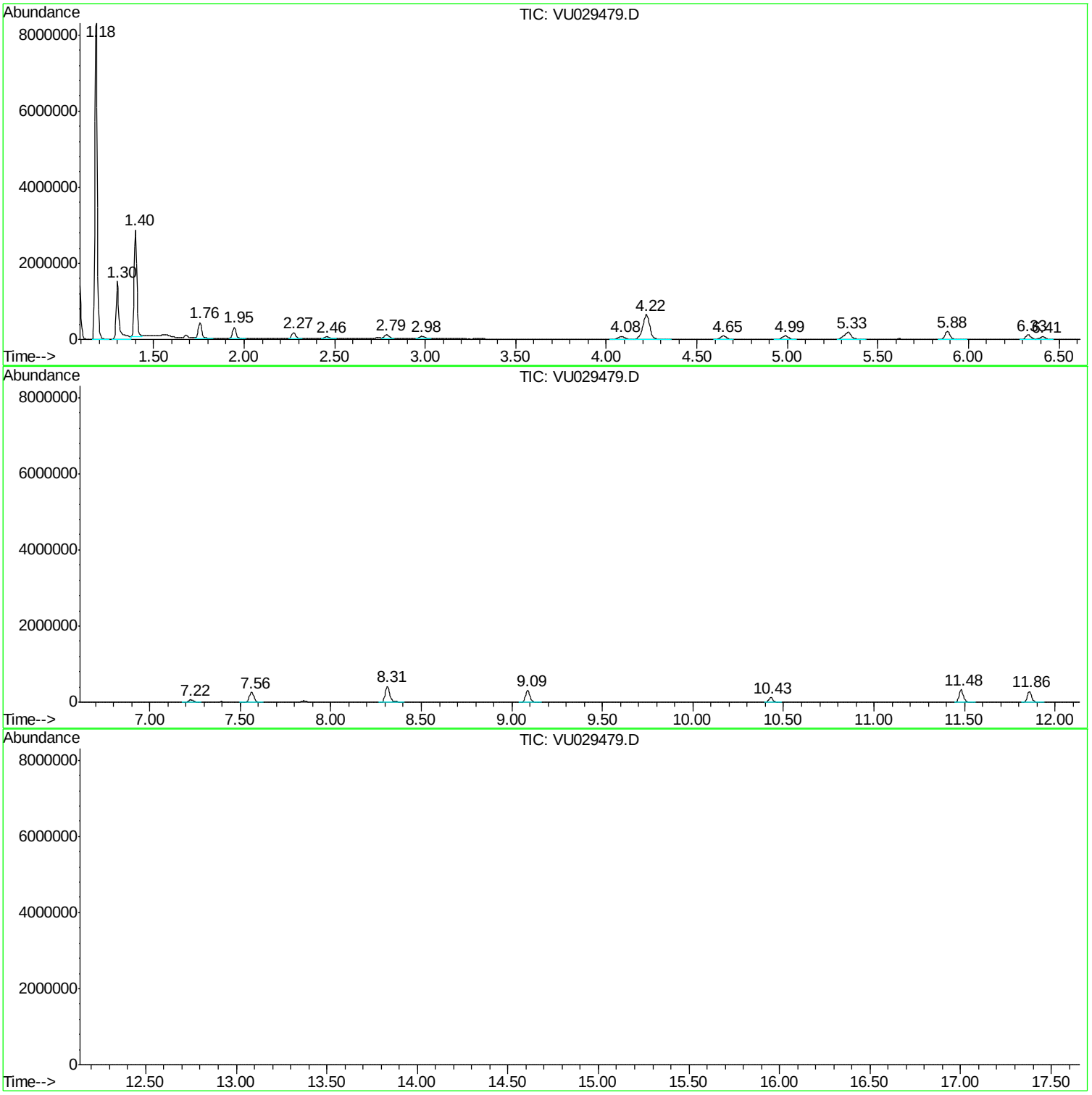
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

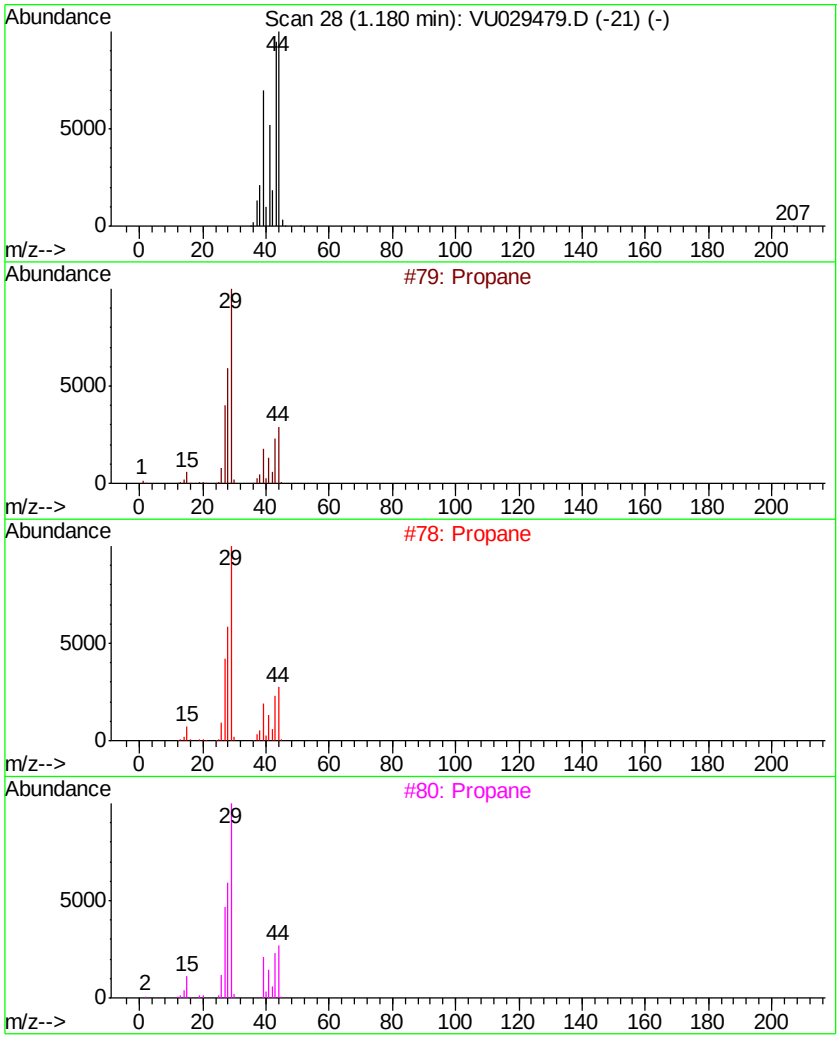
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

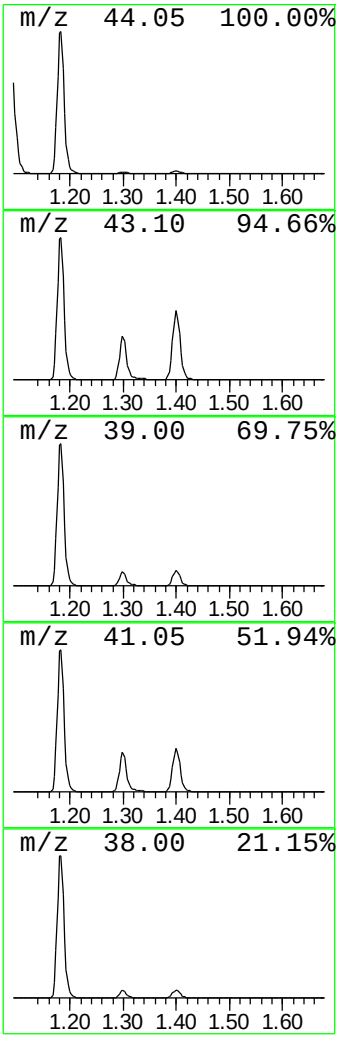
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	90.79 ug/L	7511850	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Propane	44	C3H8	000074-98-6	83
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Acetaldehyde	44	C2H4O	000075-07-0	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

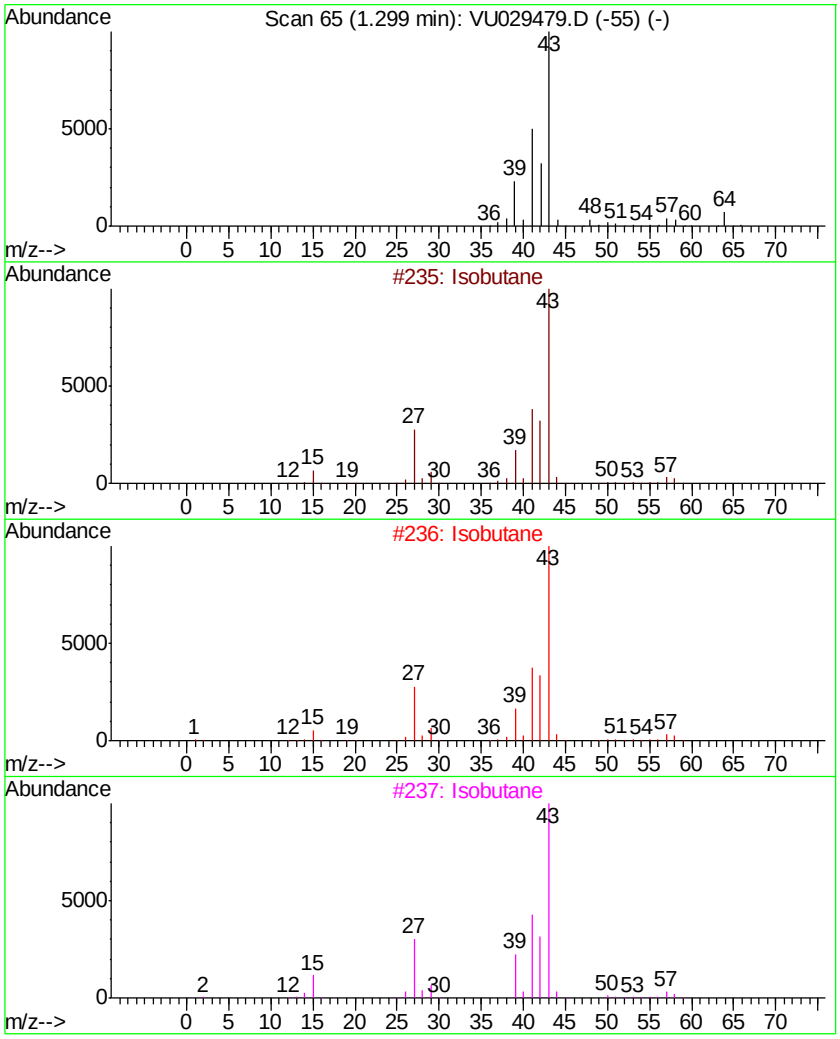
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

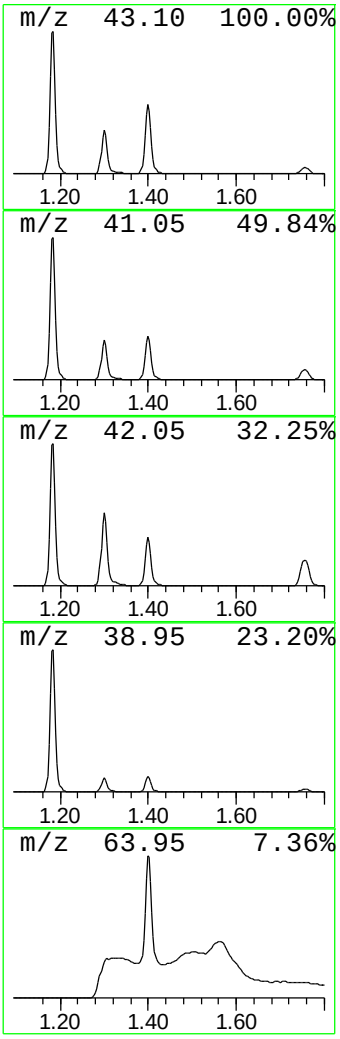
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	22.09 ug/L	1827370	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	64
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	59
4	Isobutane	58	C4H10	000075-28-5	53
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

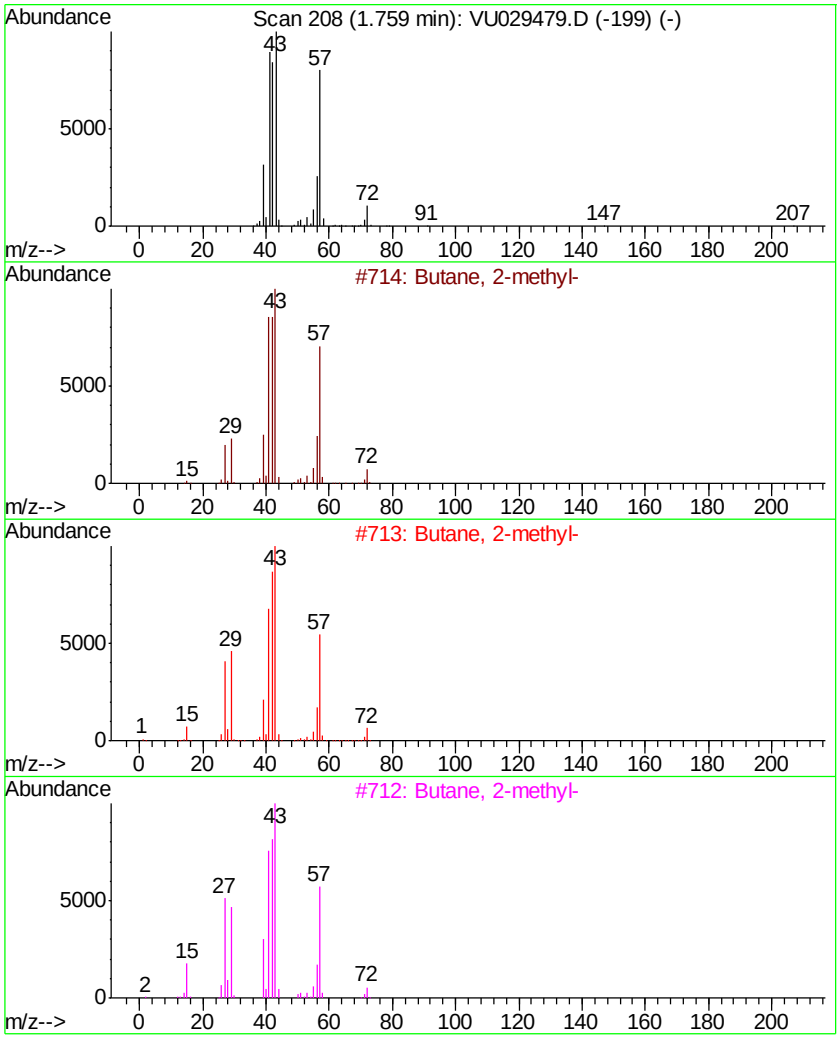
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

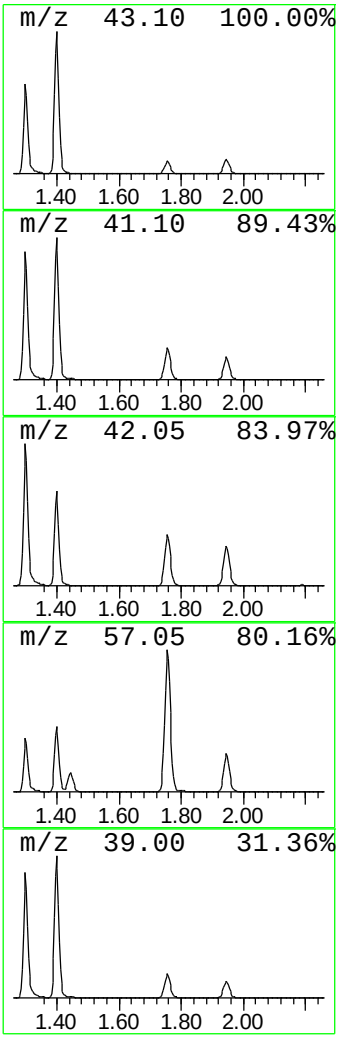
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	6.68 ug/L	552690	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	42
5	Pentane	72	C5H12	000109-66-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

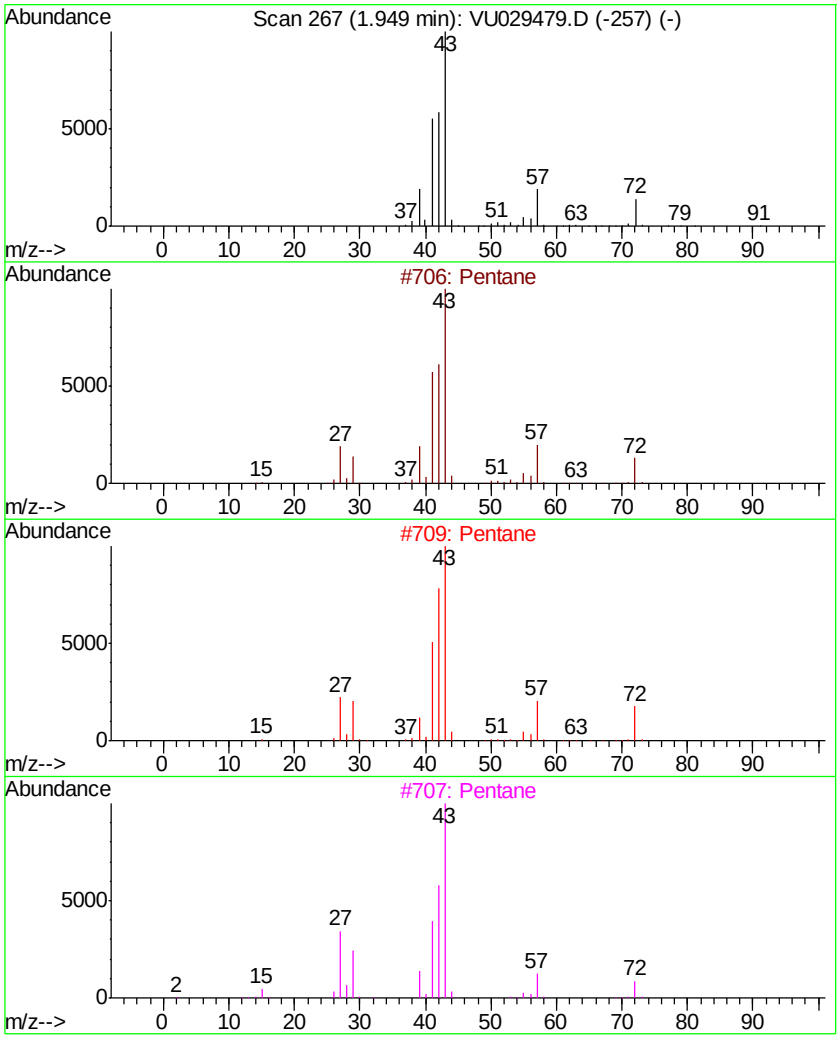
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

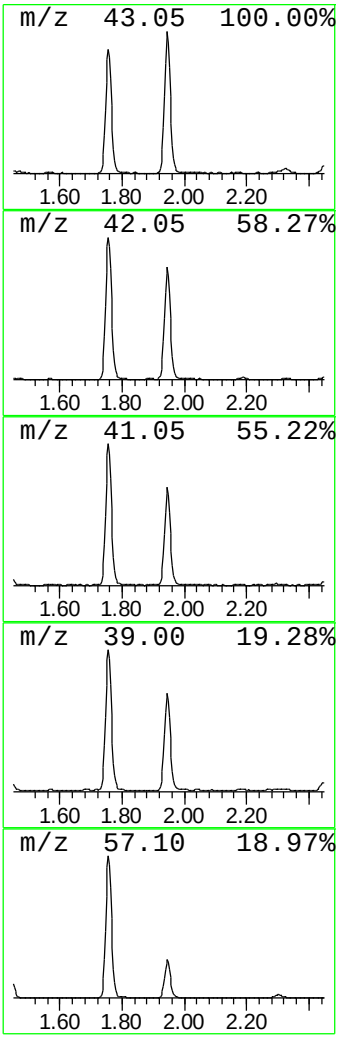
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	4.82 ug/L	399064	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	90
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	86
5	Butane, 2-methyl-	72	C5H12	000078-78-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

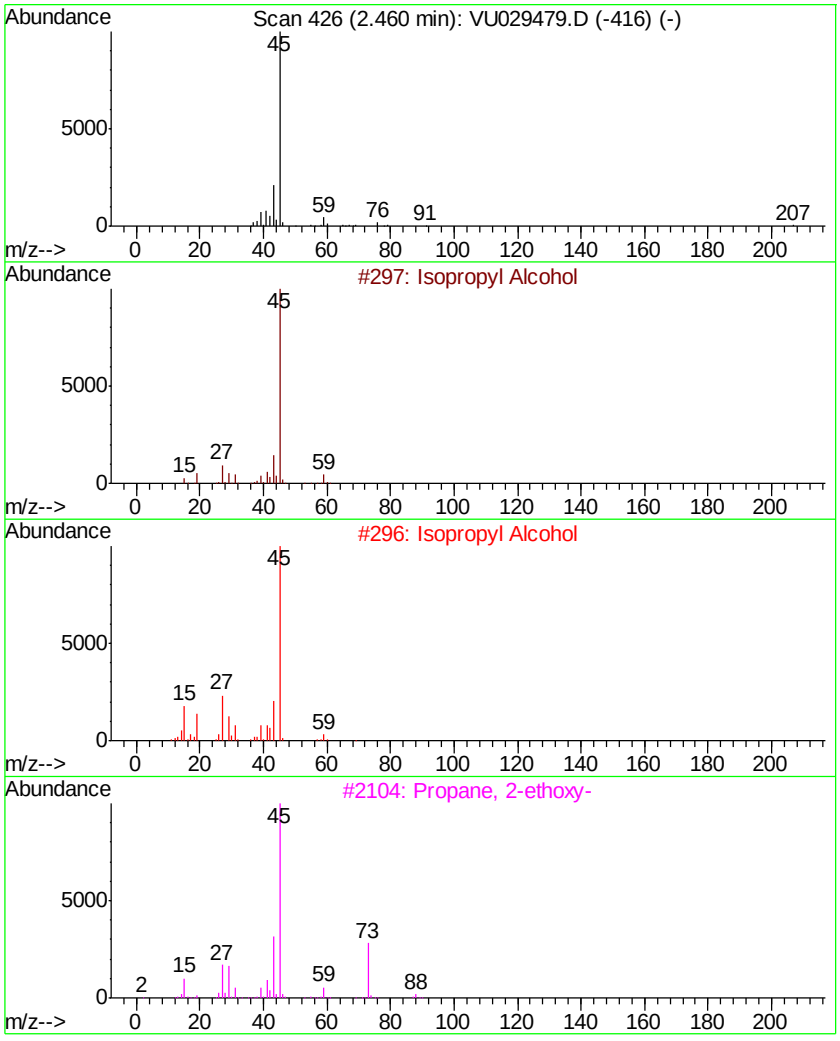
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

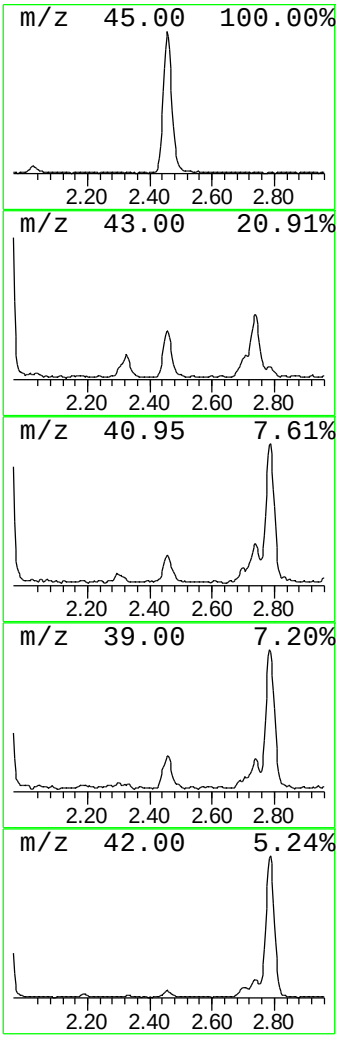
****

Peak Number 5 Isopropyl Alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.46	1.13 ug/L	93233	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
3	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56





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Data File : VU029479.D
Acq On : 15 Feb 2019 00:40
Operator : JC/SP
Sample : K1438-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

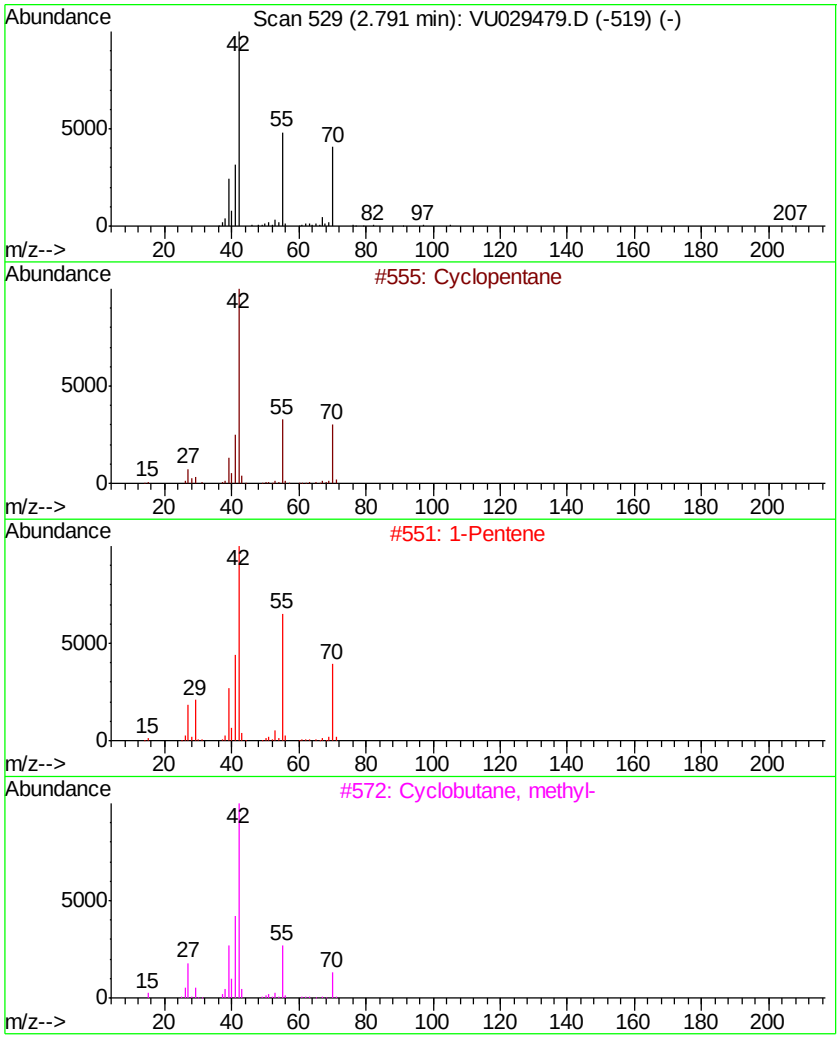
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

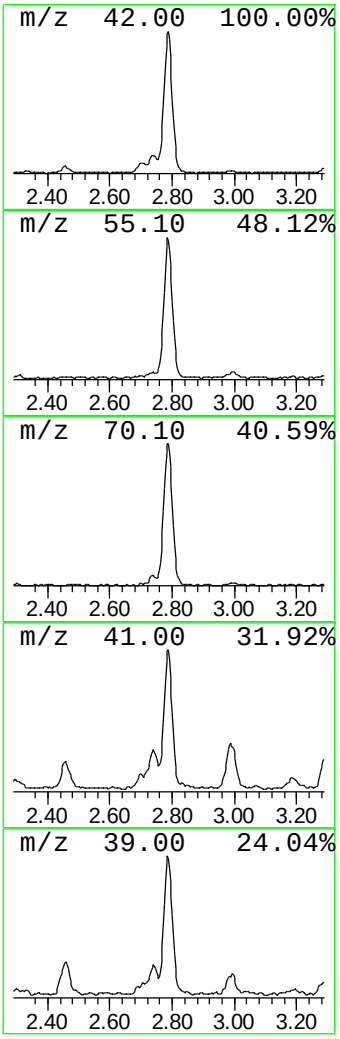
****

Peak Number 6 (DEL) Alkane: Cyclic2.79 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	2.34 ug/L	193843	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	80
2	1-Pentene	70	C5H10	000109-67-1	80
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
4	Cyclopentane	70	C5H10	000287-92-3	78
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	72





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ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

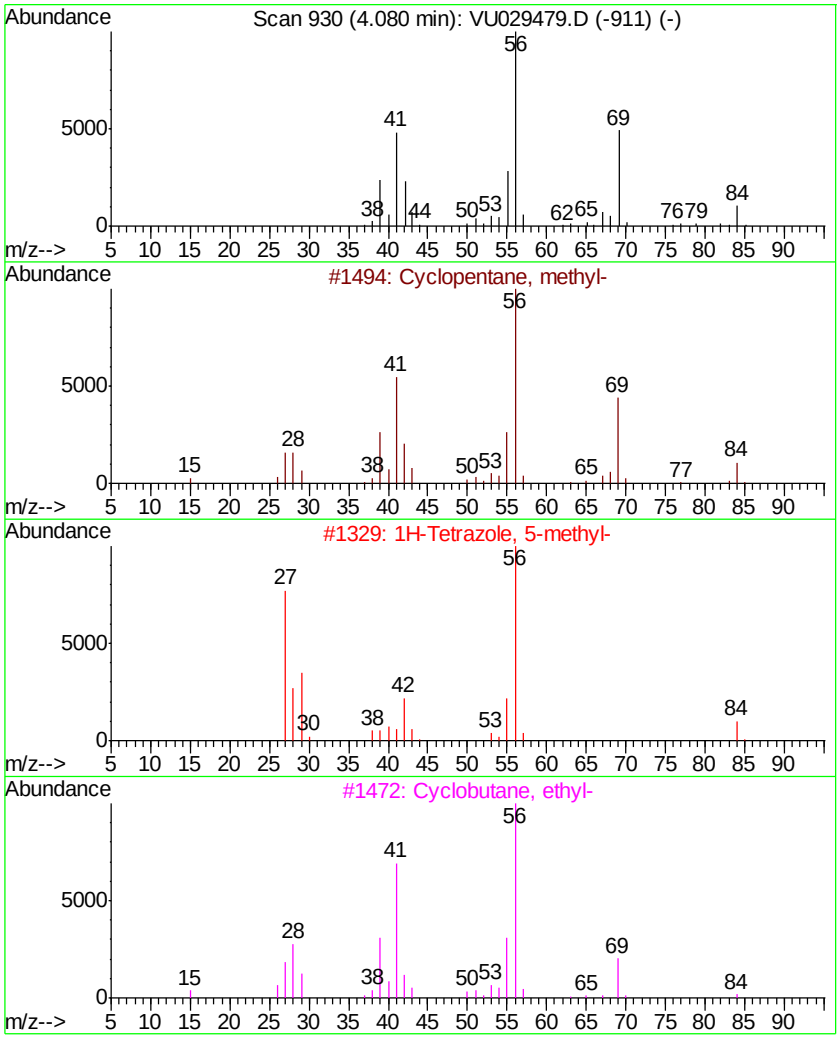
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

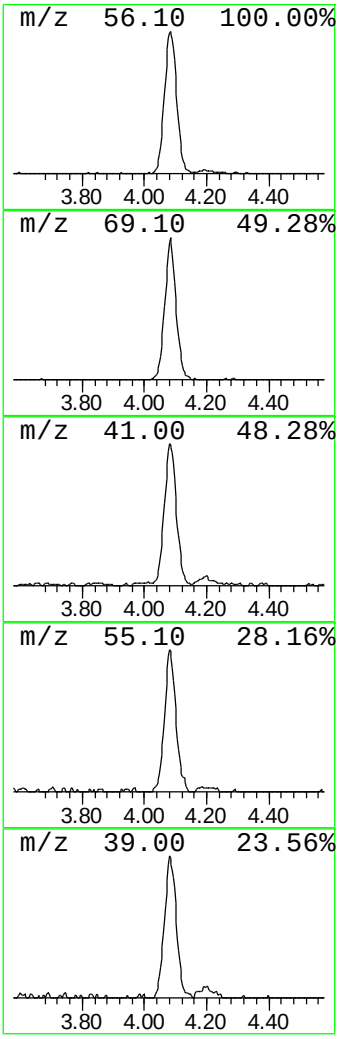
****

Peak Number 7 (DEL) Alkane: Cyclic4.08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	2.32 ug/L	191889	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029479.D
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ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.18	90.8	ug/L	7511850	1	5.88	413682	5.0
(DEL) Alkane: Str...	1.30	22.1	ug/L	1827370	1	5.88	413682	5.0
(DEL) Alkane: Str...	1.76	6.7	ug/L	552690	1	5.88	413682	5.0
(DEL) Alkane: Str...	1.95	4.8	ug/L	399064	1	5.88	413682	5.0
Isopropyl Alcohol	2.46	1.1	ug/L	93233	1	5.88	413682	5.0
(DEL) Alkane: Cyc...	2.79	2.3	ug/L	193843	1	5.88	413682	5.0
(DEL) Alkane: Cyc...	4.08	2.3	ug/L	191889	1	5.88	413682	5.0