LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

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\SOMUTR121319WMA.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	1.372	3	10	26	rBV	1651581	1630935	44.59%	10.847%
2	1.507	45	52	70	rVB	109758	130624	3.57%	0.869%
3	1.613	75	85	95	rBV3	703087	1186206	32.43%	7.889%
4	1.752	121	128	146	rVB	91459	109625	3.00%	0.729%
5	1.932	175	184	200	rVB2	176781	252812	6.91%	1.681%
6	2.015	202	210	223	rVB	119988	160054	4.38%	1.064%
7	2.179	251	261	269	rBV	170532	233377	6.38%	1.552%
8	2.227	269	276	297	rVB3	141951	259350	7.09%	1.725%
9	2.443	334	343	352	rVB	51673	81691	2.23%	0.543%
10	2.597	375	391	404	rBV2	207950	356774	9.76%	2.373%
11	3.012	505	520	535	rBV7	14974	41099	1.12%	0.273%
12	3.404	629	642	660	rVB5	30705	77483	2.12%	0.515%
13	3.633	699	713	730	rVB5	30604	74409	2.03%	0.495%
14	3.742	730	747	763	rVB3	19105	45745	1.25%	0.304%
15	4.687	1024	1041	1045	rBV	143391	298364	8.16%	1.984%
16	5.112	1158	1173	1193	rBV	177141	403462	11.03%	2.683%
17	5.771	1355	1378	1407	rBV2	348622	913868	24.99%	6.078%
18	6.292	1523	1540	1562	rBV	323550	638767	17.47%	4.248%
19	6.581	1615	1630	1663	rBV	1894519	3657294	100.00%	24.323%
20	6.732	1664	1677	1694	rVB	217875	426092	11.65%	2.834%
21	7.600	1934	1947	1968	rBV	101068	190199	5.20%	1.265%
22	7.931	2037	2050	2065	rBV	383323	669679	18.31%	4.454%
23	8.211	2126	2137	2156	rBV2	64146	118722	3.25%	0.790%
24	8.677	2268	2282	2321	rBV2	308078	893197	24.42%	5.940%
25	9.449	2506	2522	2544	rBV	463962	838635	22.93%	5.577%
26	10.783	2925	2937	2958	rVB	179588	302843	8.28%	2.014%
27	11.838	3252	3265	3283	rBV	313957	547552	14.97%	3.642%
28	12.217	3371	3383	3397	rBV	301245	497539	13.60%	3.309%

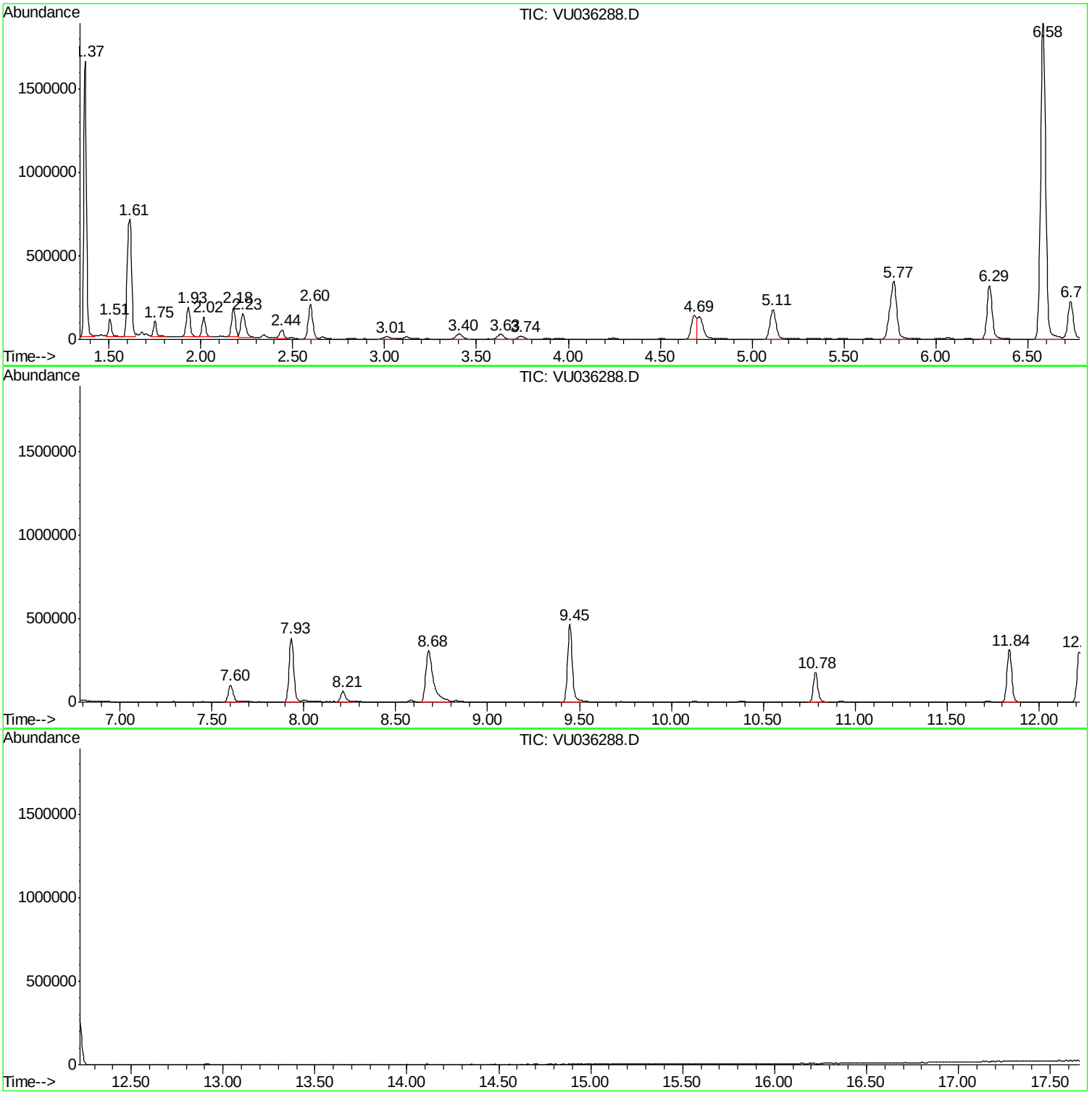
Sum of corrected areas: 15036397

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

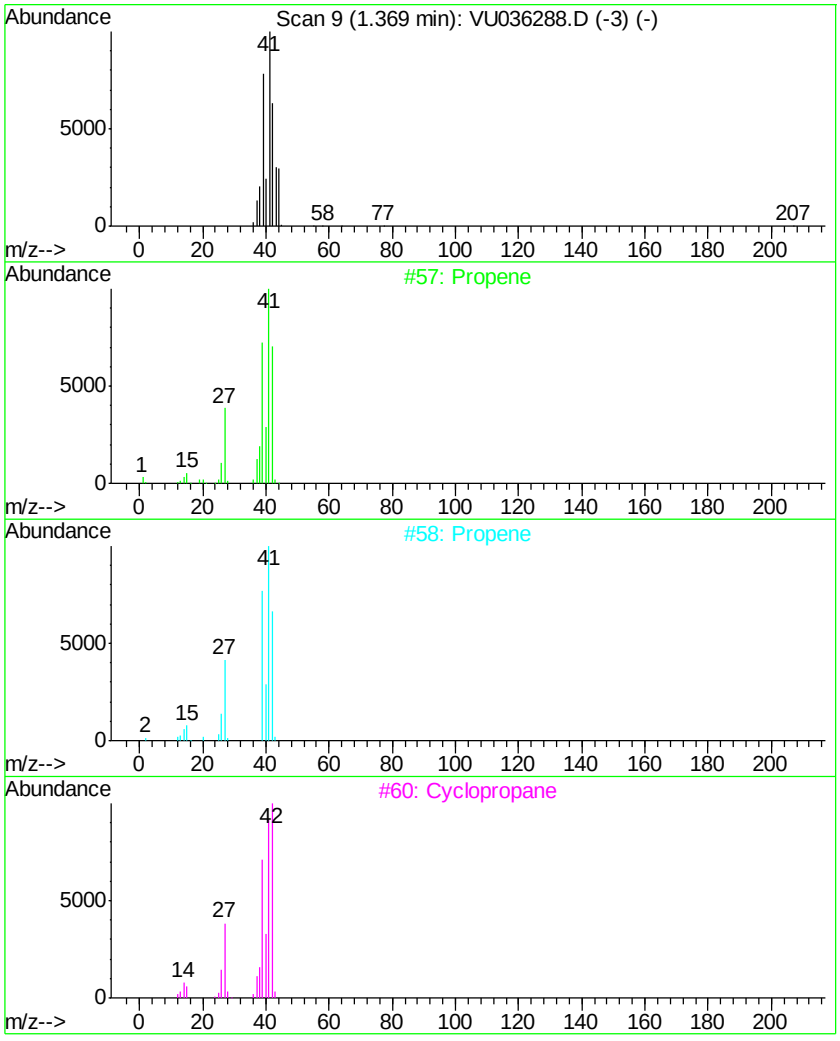
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

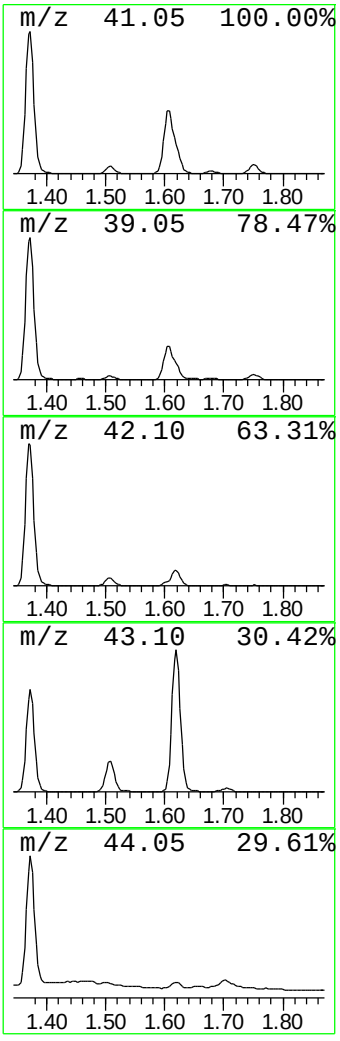
****

Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	12.77 ug/L	1630940	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

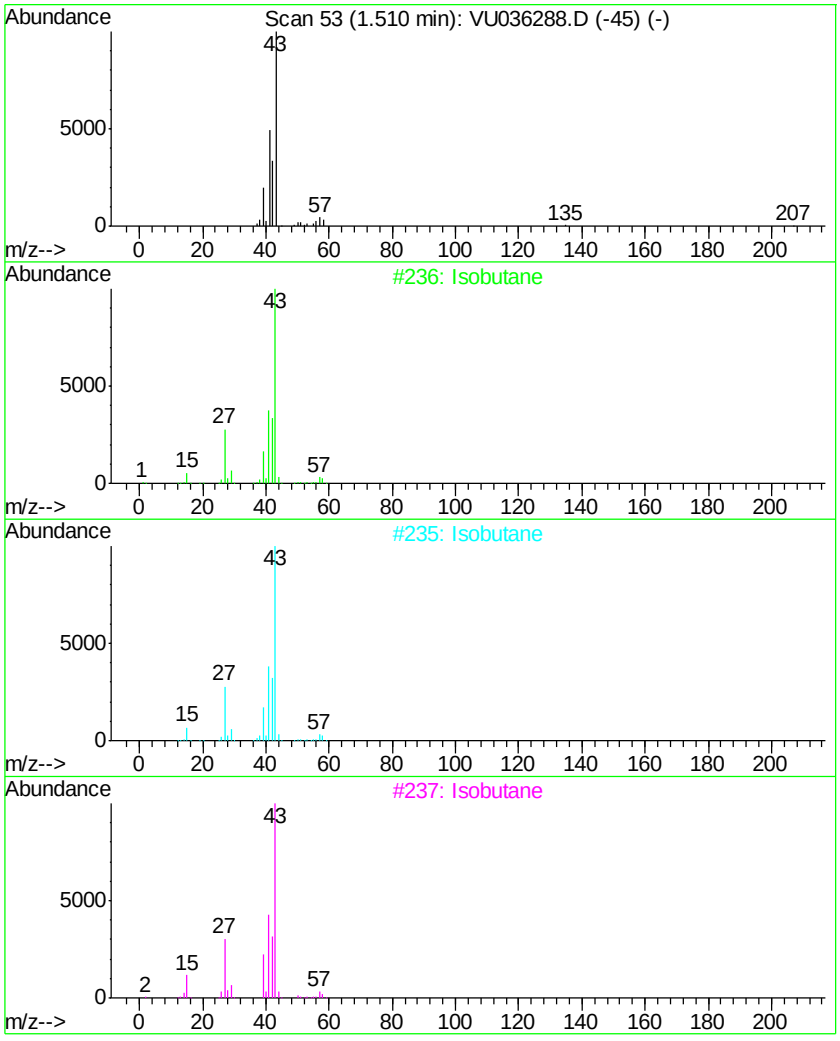
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

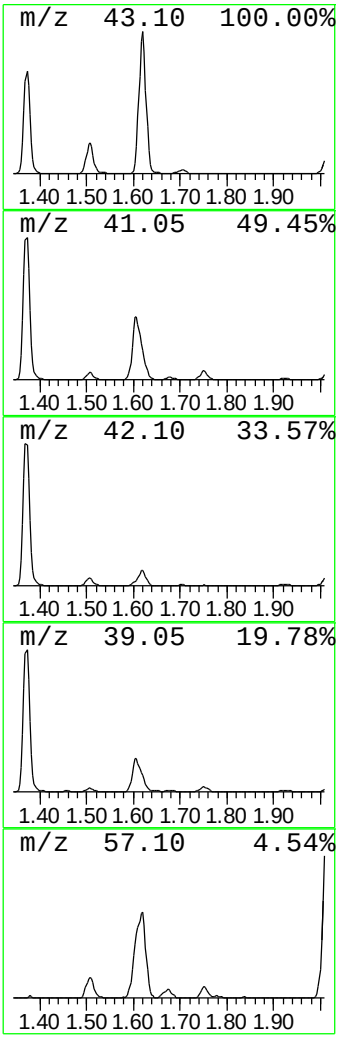
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.51	1.02 ug/L	130624	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	50
4	Isobutane	58	C4H10	000075-28-5	9
5	Isobutyl nitrite	103	C4H9NO2	000542-56-3	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

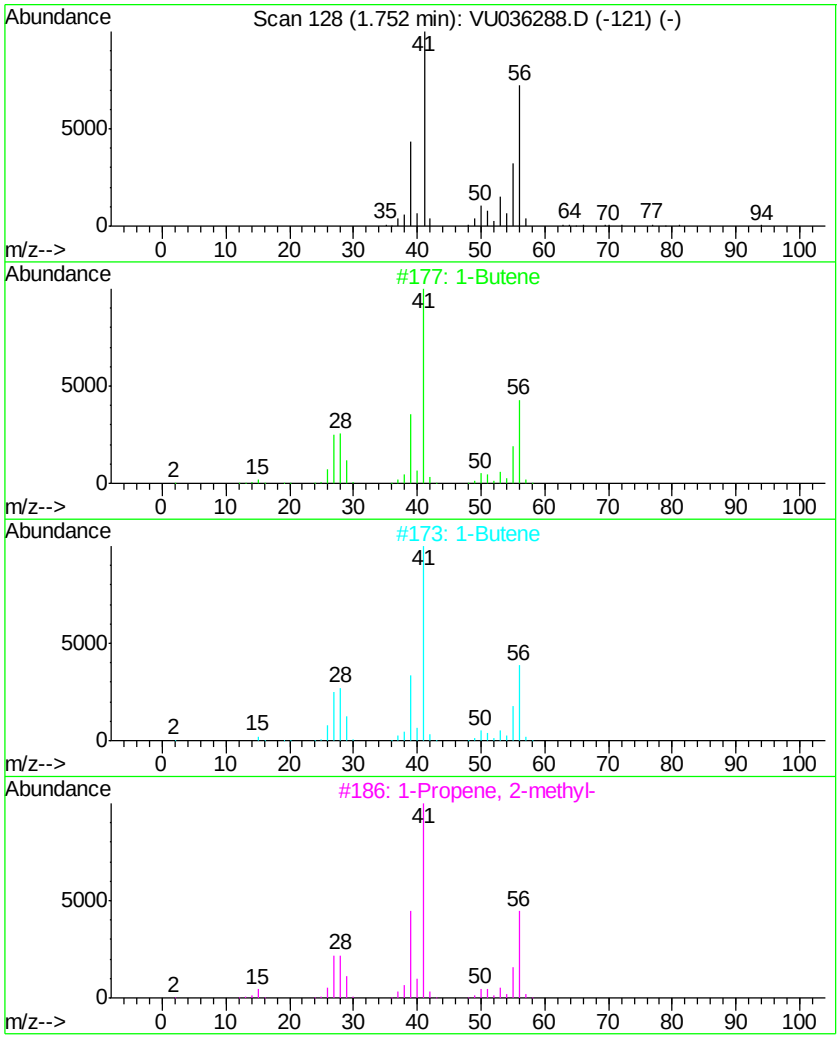
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

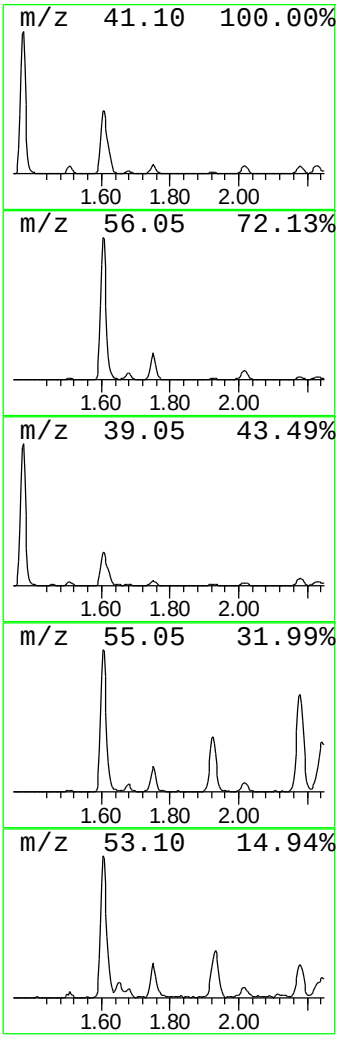
****

Peak Number 3 (DEL) Alkane: Cyclic1.75 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	0.86 ug/L	109625	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Butene	56	C4H8	000106-98-9	87
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
5	2-Butene, (Z)-	56	C4H8	000590-18-1	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

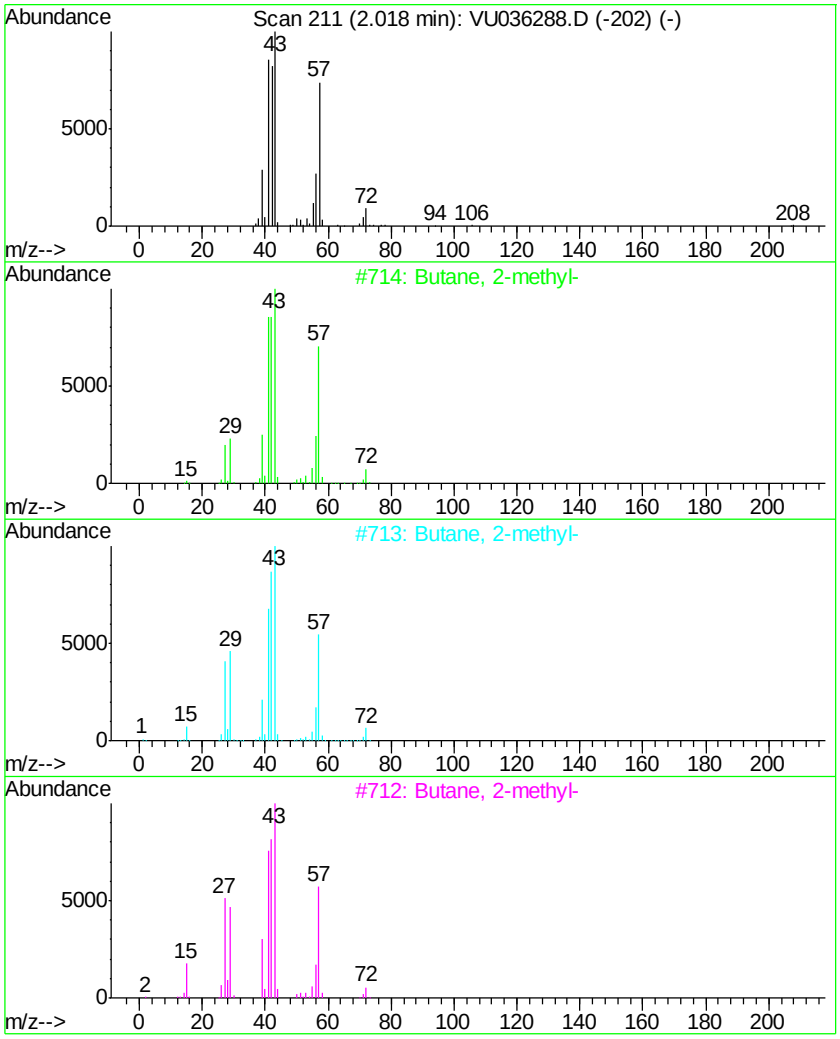
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

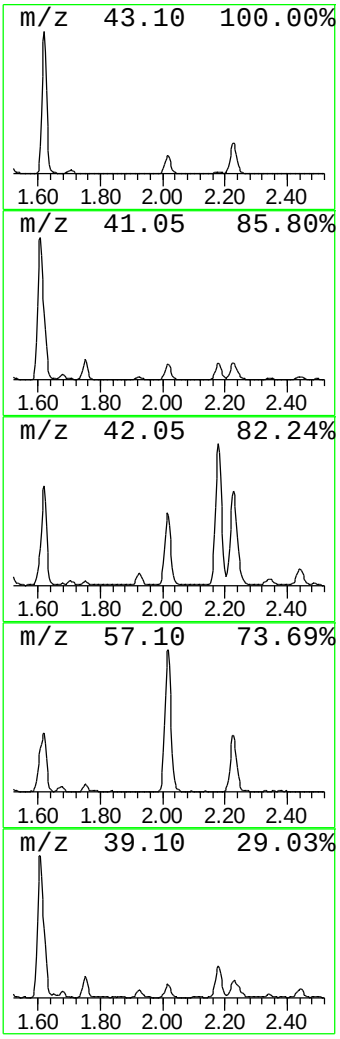
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	1.25 ug/L	160054	1,4-Difluorobenzene	6.29

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	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

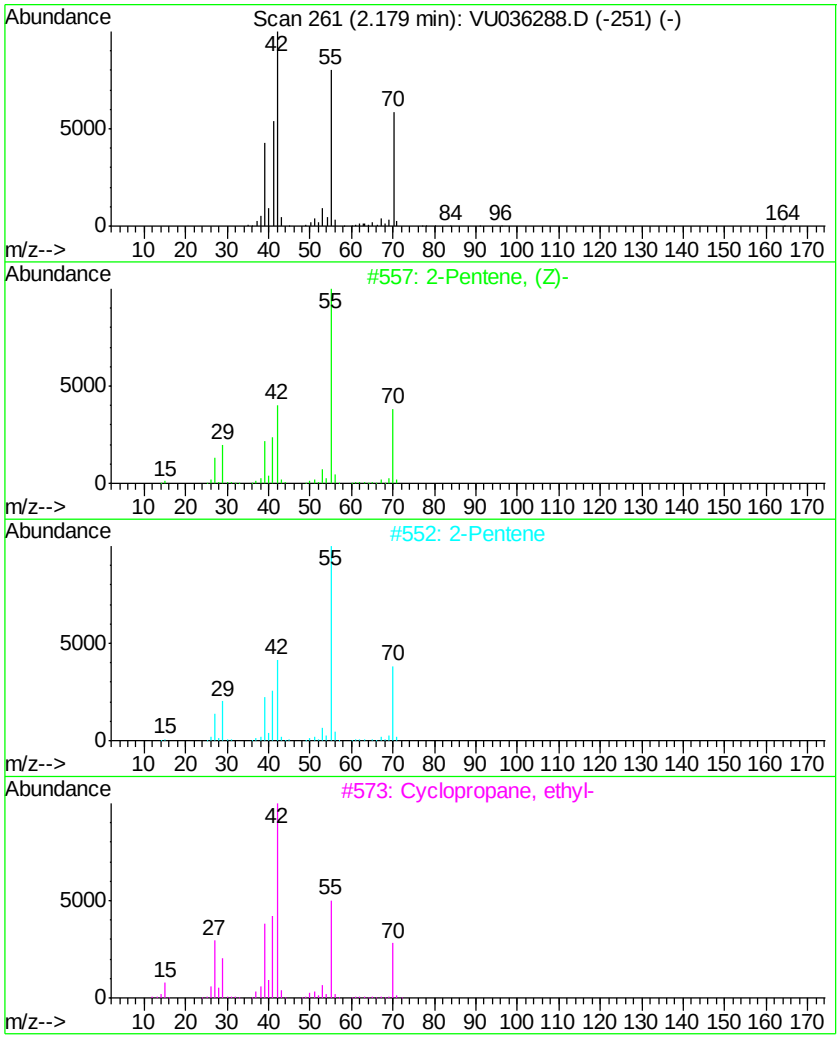
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

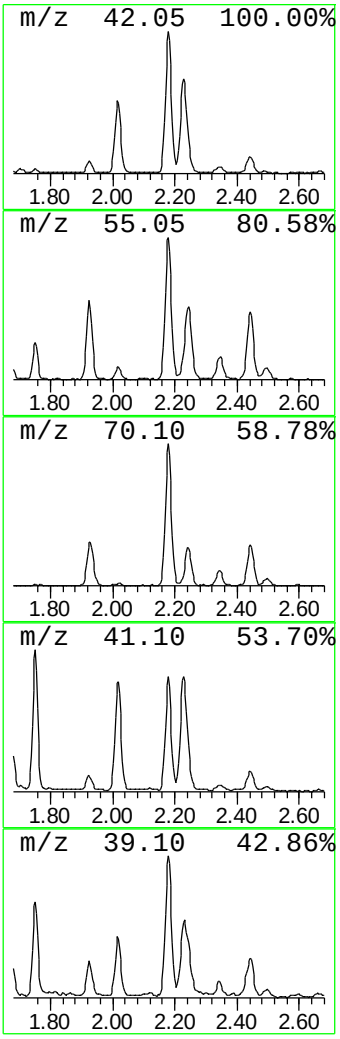
****

Peak Number 5 (DEL) Alkane: Cyclic2.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	1.83 ug/L	233377	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-	70	C5H10	000627-20-3	83
2	2-Pentene	70	C5H10	000109-68-2	83
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
5	Cyclobutane, methyl-	70	C5H10	000598-61-8	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

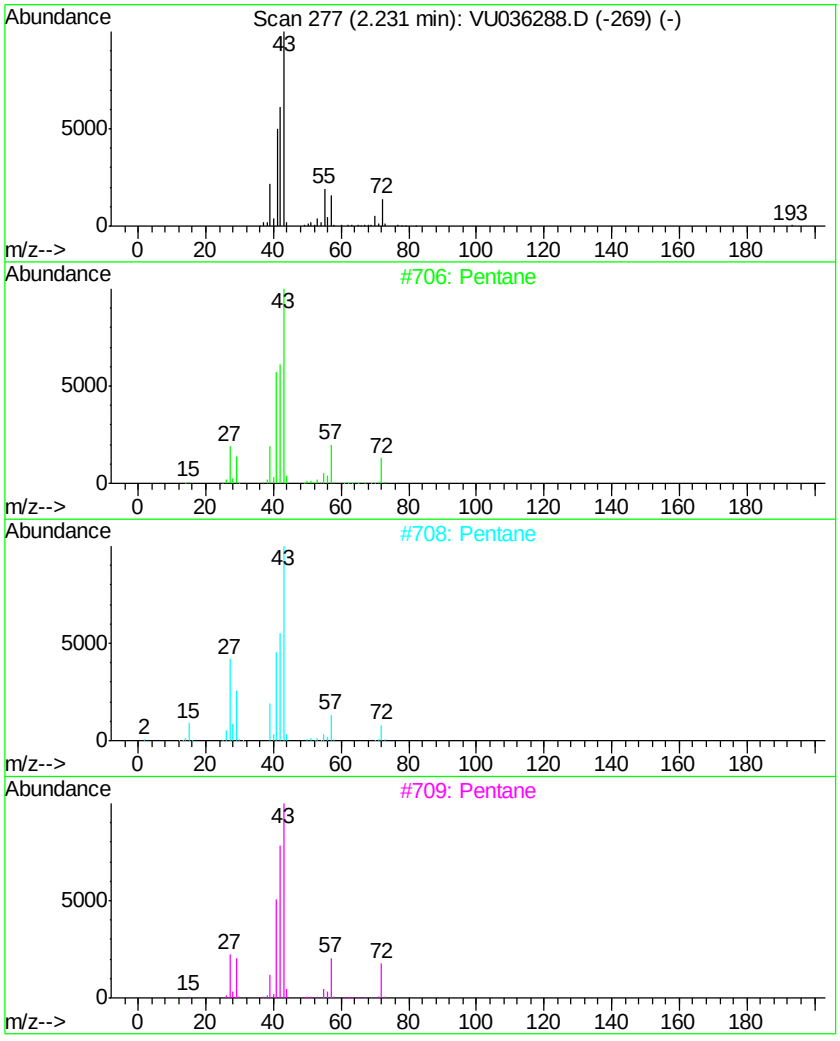
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

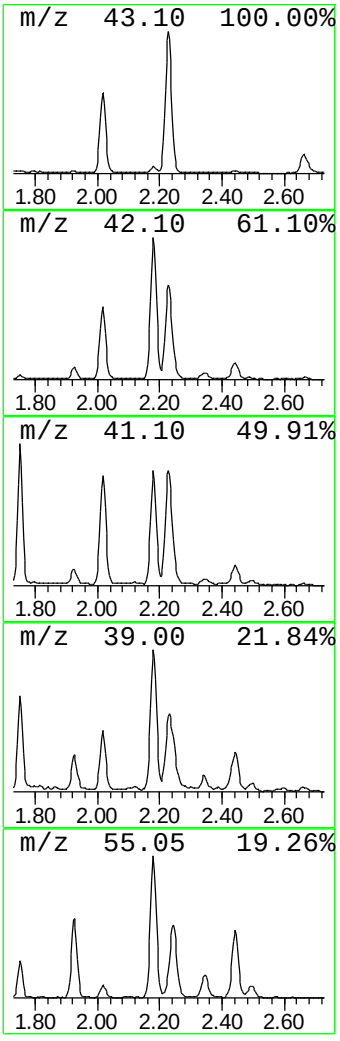
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	2.03 ug/L	259350	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	87
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	80
5	Butane, 2-methyl-	72	C5H12	000078-78-4	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

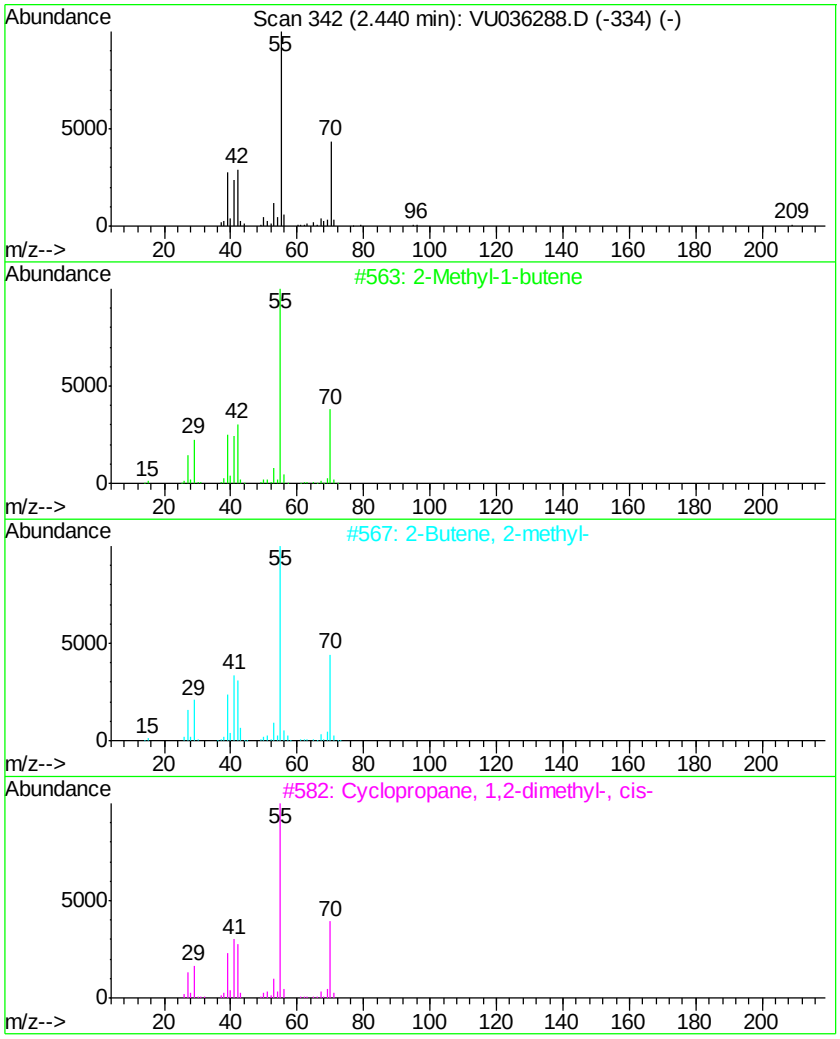
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

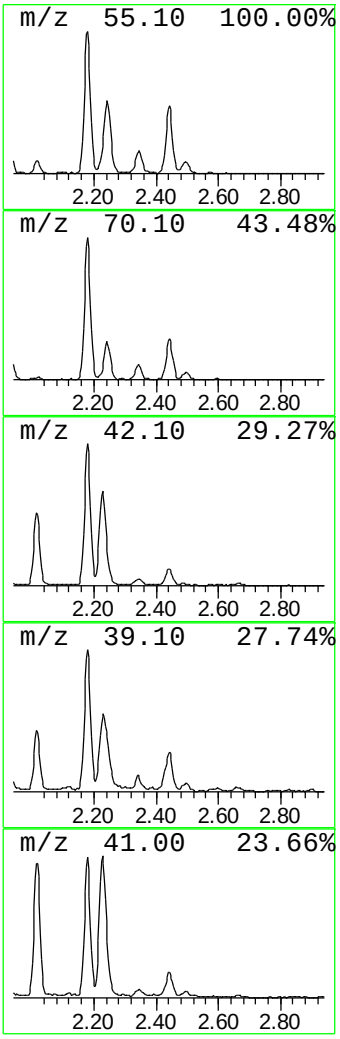
****

Peak Number 7 (DEL) Alkane: Cyclic2.44 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	0.64 ug/L	81691	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	87
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0

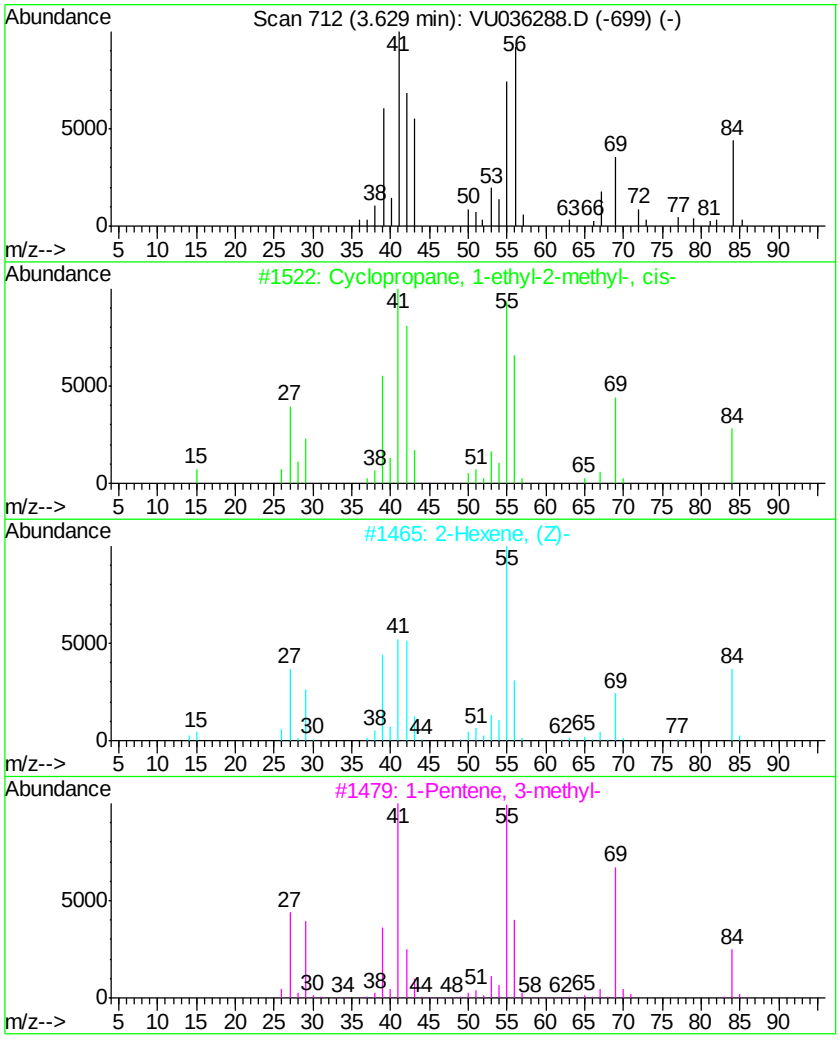
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

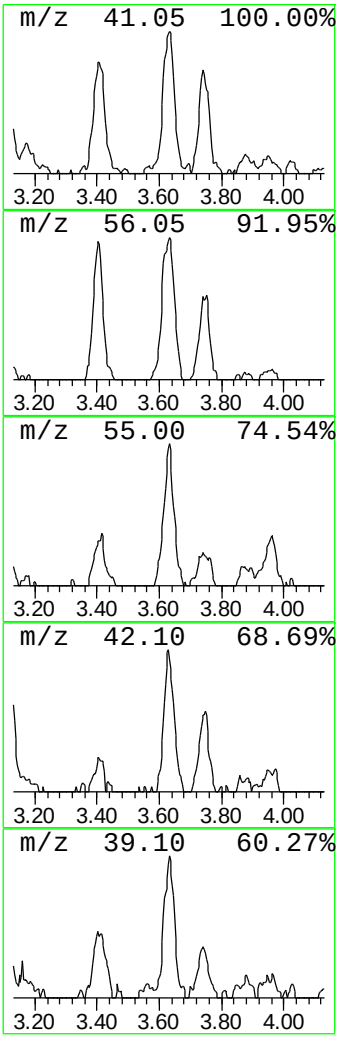
****

Peak Number 8 (DEL) Alkane: Cyclic3.63 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.63	0.58 ug/L	74409	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	58
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	53
3	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	53
4	3-Hexene, (E)-	84	C6H12	013269-52-8	53
5	1-Hexene	84	C6H12	000592-41-6	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Data File : VU036288.D
Acq On : 19 Dec 2019 17:23
Operator : JC/MD
Sample : K6282-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDW3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.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: Cyc...	1.37	12.8	ug/L	1630940	1	6.29	638767	5.0
(DEL) Alkane: Str...	1.51	1.0	ug/L	130624	1	6.29	638767	5.0
(DEL) Alkane: Cyc...	1.75	0.9	ug/L	109625	1	6.29	638767	5.0
(DEL) Alkane: Str...	2.02	1.3	ug/L	160054	1	6.29	638767	5.0
(DEL) Alkane: Cyc...	2.18	1.8	ug/L	233377	1	6.29	638767	5.0
(DEL) Alkane: Str...	2.23	2.0	ug/L	259350	1	6.29	638767	5.0
(DEL) Alkane: Cyc...	2.44	0.6	ug/L	81691	1	6.29	638767	5.0
(DEL) Alkane: Cyc...	3.63	0.6	ug/L	74409	1	6.29	638767	5.0