LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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	22	29	53	rVB	6543276	5819554	100.00%	36.010%
2	1.302	53	66	82	rBV	1087490	1130003	19.42%	6.992%
3	1.402	89	97	106	rBV	1425212	1487871	25.57%	9.207%
4	1.682	177	184	193	rVB	65943	81071	1.39%	0.502%
5	1.756	199	207	227	rVB	430272	581954	10.00%	3.601%
6	1.945	257	266	280	rVB	303381	410950	7.06%	2.543%
7	2.273	359	368	379	rBV	144649	222667	3.83%	1.378%
8	2.447	414	422	444	rVB	37729	73228	1.26%	0.453%
9	2.788	521	528	539	rVB2	45579	80486	1.38%	0.498%
10	2.987	580	590	606	rVB3	46195	97045	1.67%	0.600%
11	4.083	912	931	952	rBV2	55834	152693	2.62%	0.945%
12	4.222	952	974	1009	rBV2	552194	1507681	25.91%	9.329%
13	4.646	1089	1106	1126	rBV2	89493	212802	3.66%	1.317%
14	4.987	1197	1212	1229	rBV3	35069	81387	1.40%	0.504%
15	5.334	1301	1320	1348	rVB3	180364	503693	8.66%	3.117%
16	5.884	1476	1491	1518	rBV	213500	418382	7.19%	2.589%
17	6.331	1613	1630	1642	rBV	116177	235825	4.05%	1.459%
18	6.408	1643	1654	1671	rVB2	73935	158637	2.73%	0.982%
19	7.228	1897	1909	1928	rBV	63183	114834	1.97%	0.711%
20	7.562	1991	2013	2031	rBV	253112	461377	7.93%	2.855%
21	7.852	2090	2103	2115	rBV	36509	64383	1.11%	0.398%
22	8.312	2231	2246	2282	rBV	340687	619450	10.64%	3.833%
23	9.086	2475	2487	2513	rBV	309157	510067	8.76%	3.156%
24	10.430	2893	2905	2923	rBV	105081	167817	2.88%	1.038%
25	11.482	3216	3232	3257	rBV	315636	526136	9.04%	3.256%
26	11.858	3337	3349	3367	rBV	264527	441066	7.58%	2.729%

Sum of corrected areas: 16161059

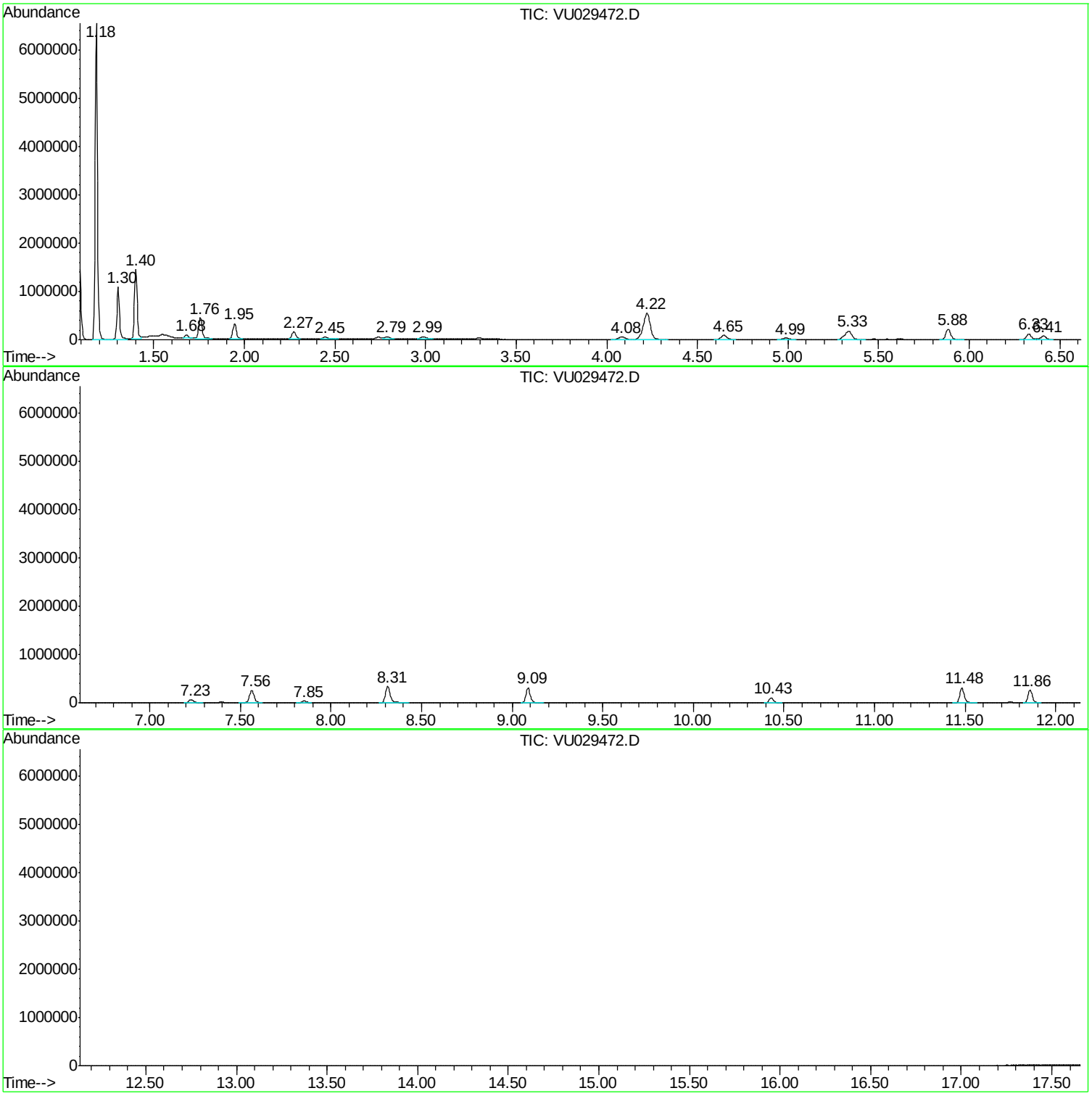
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXC4

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 : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

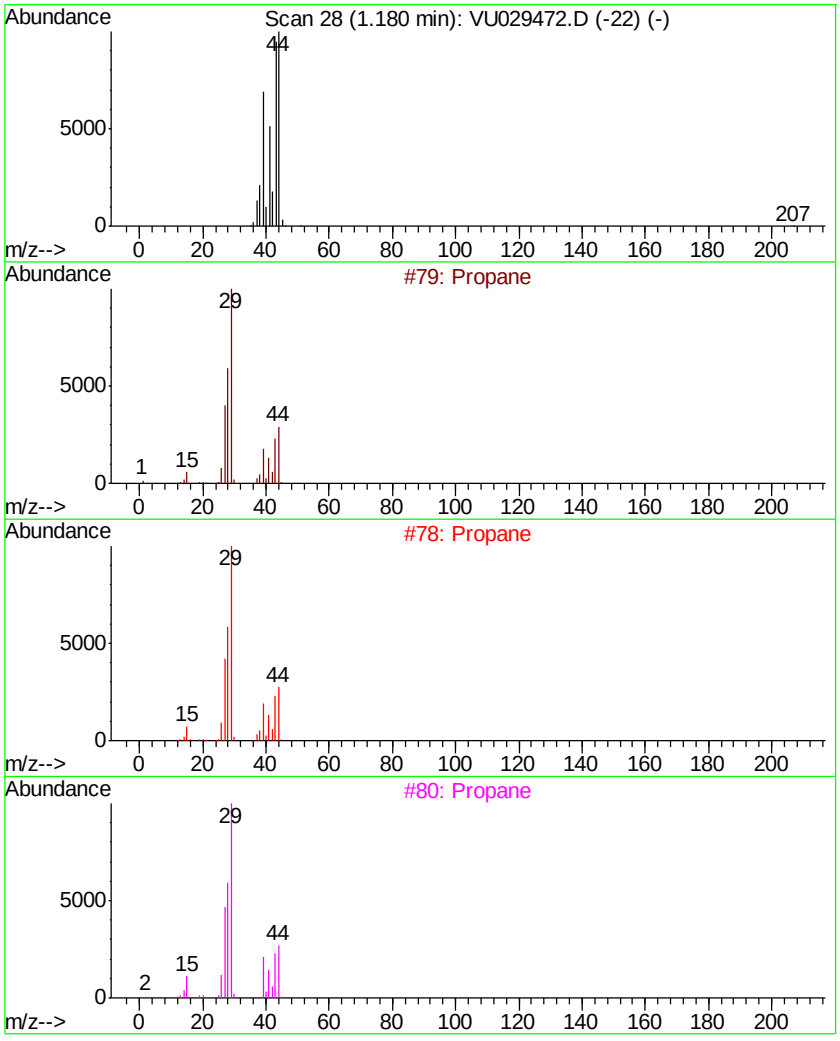
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

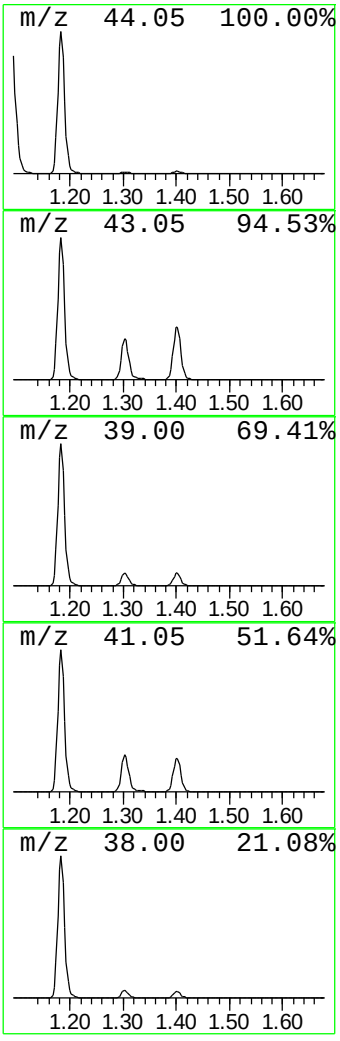
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	69.55 ug/L	5819550	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	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

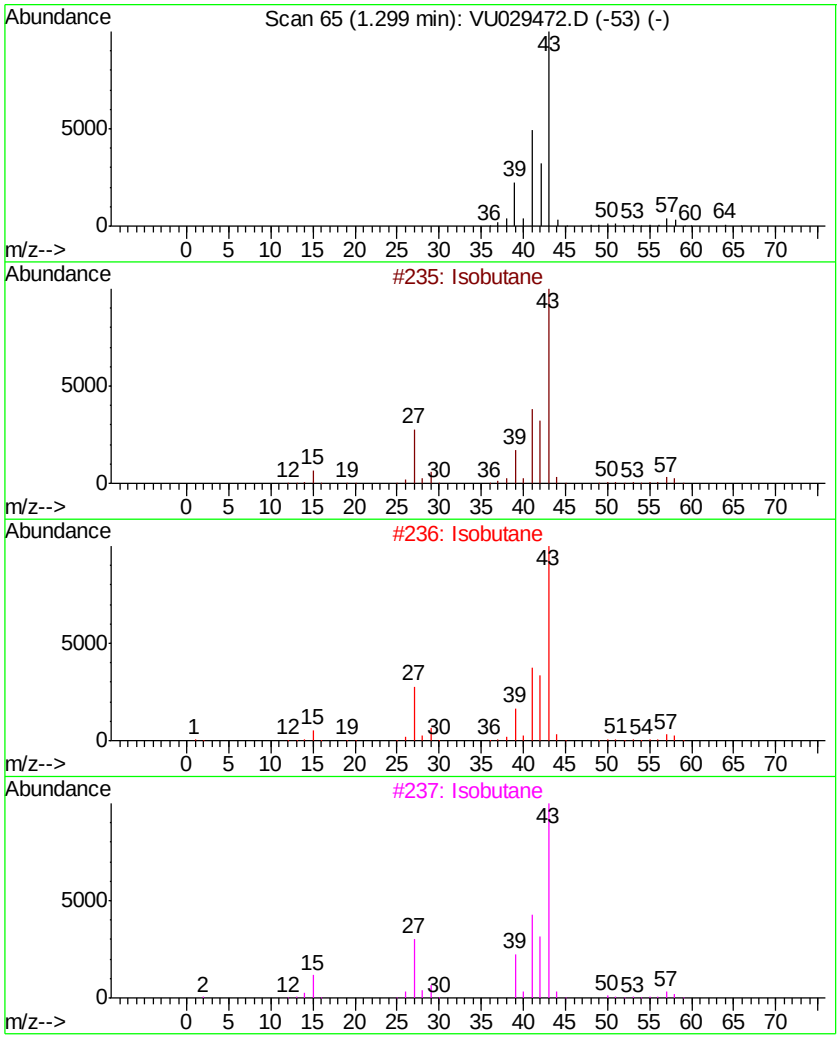
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

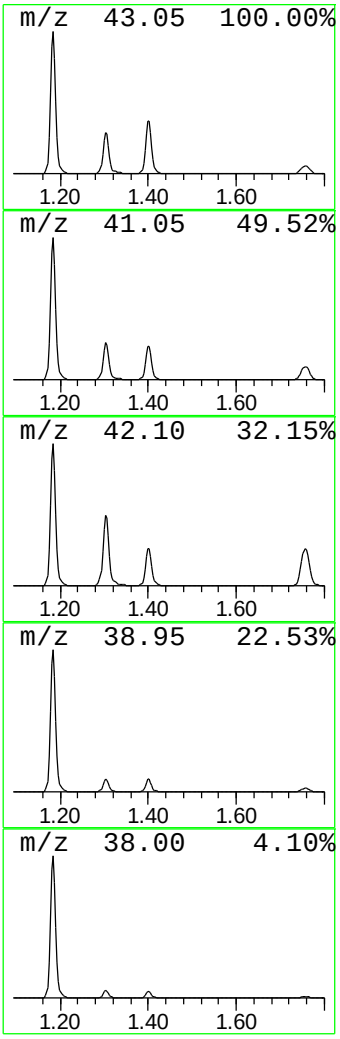
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	13.50 ug/L	1130000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	53
5	Propane, 1-chloro-2-methyl-	92	C4H9Cl	000513-36-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

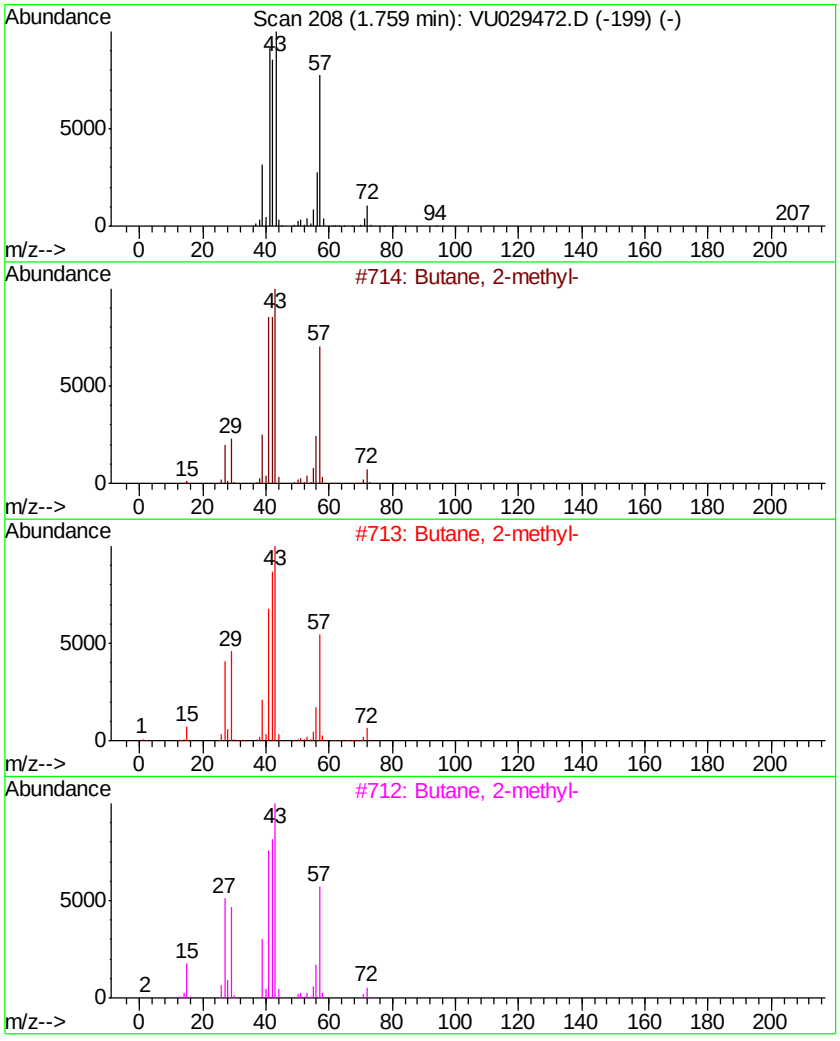
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

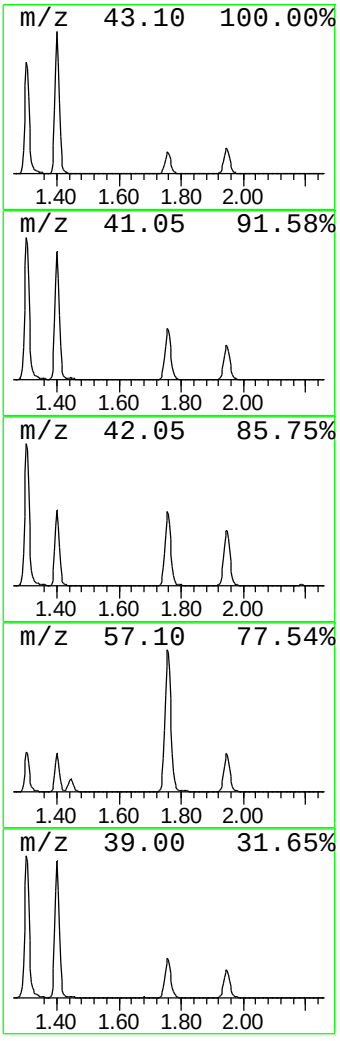
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	6.95 ug/L	581954	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 : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

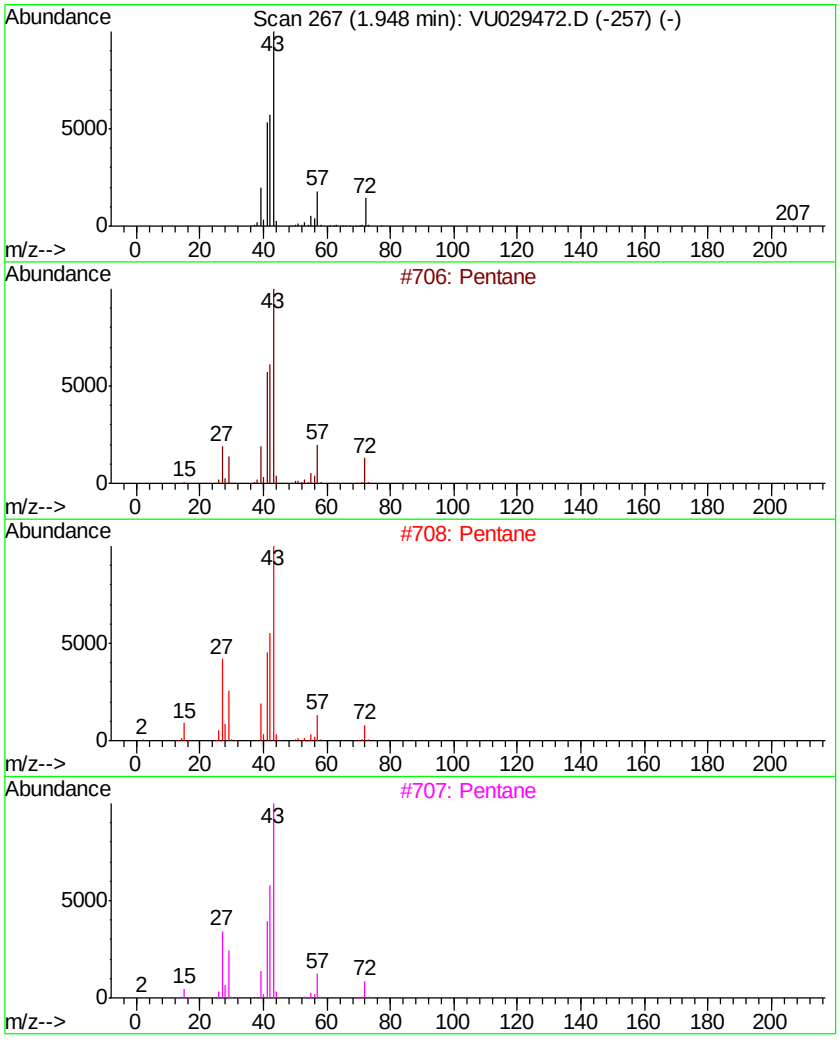
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

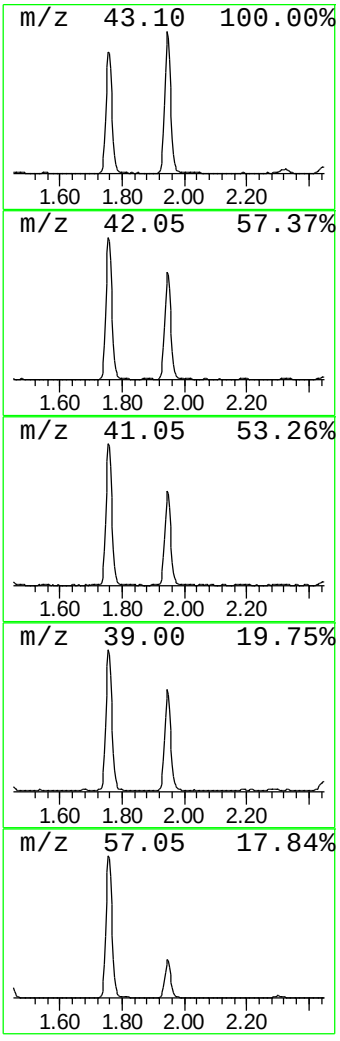
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	4.91 ug/L	410950	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	64
5	Butane, 2-methyl-	72	C5H12	000078-78-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

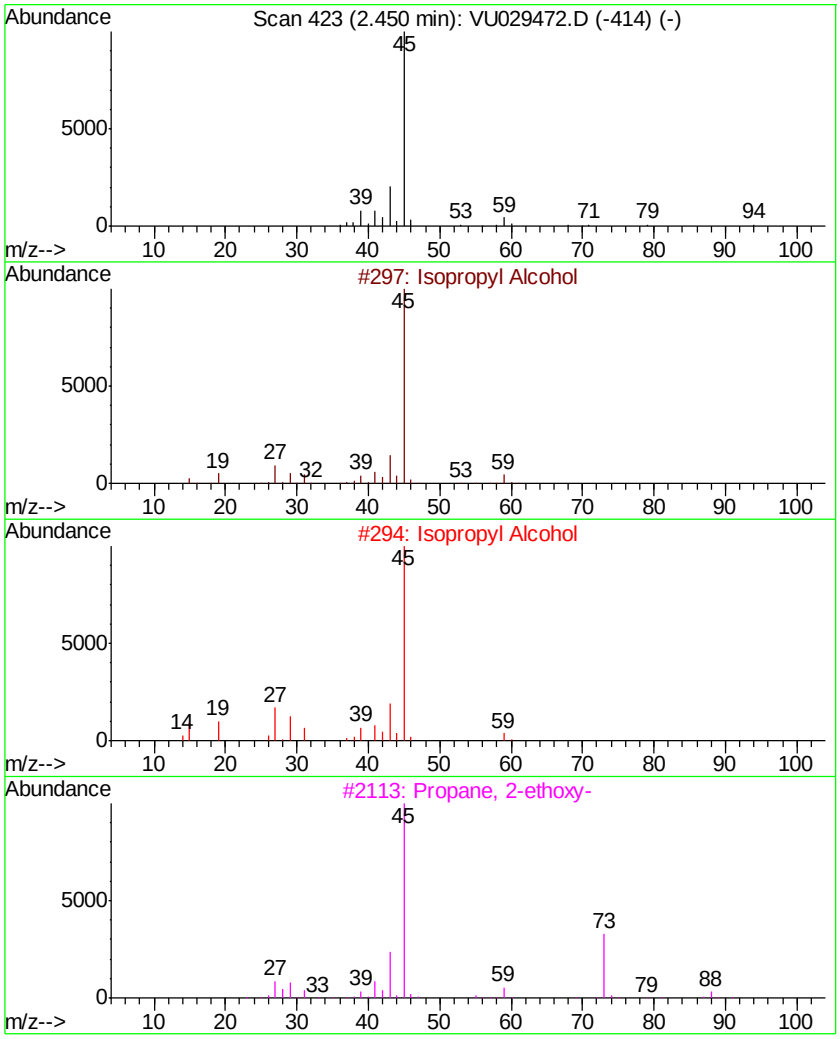
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

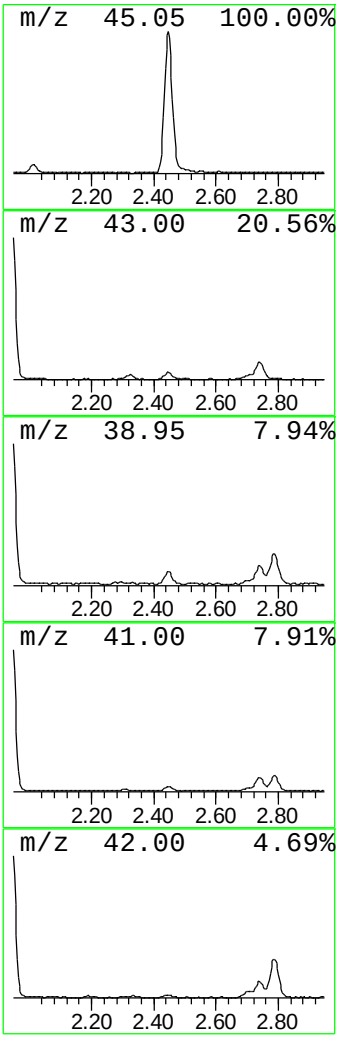
****

Peak Number 5 Isopropyl Alcohol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	0.88 ug/L	73228	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	50
3	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	40
4	Hydrazine, ethyl-	60	C2H8N2	000624-80-6	40
5	2-Pentanol	88	C5H12O	006032-29-7	39





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

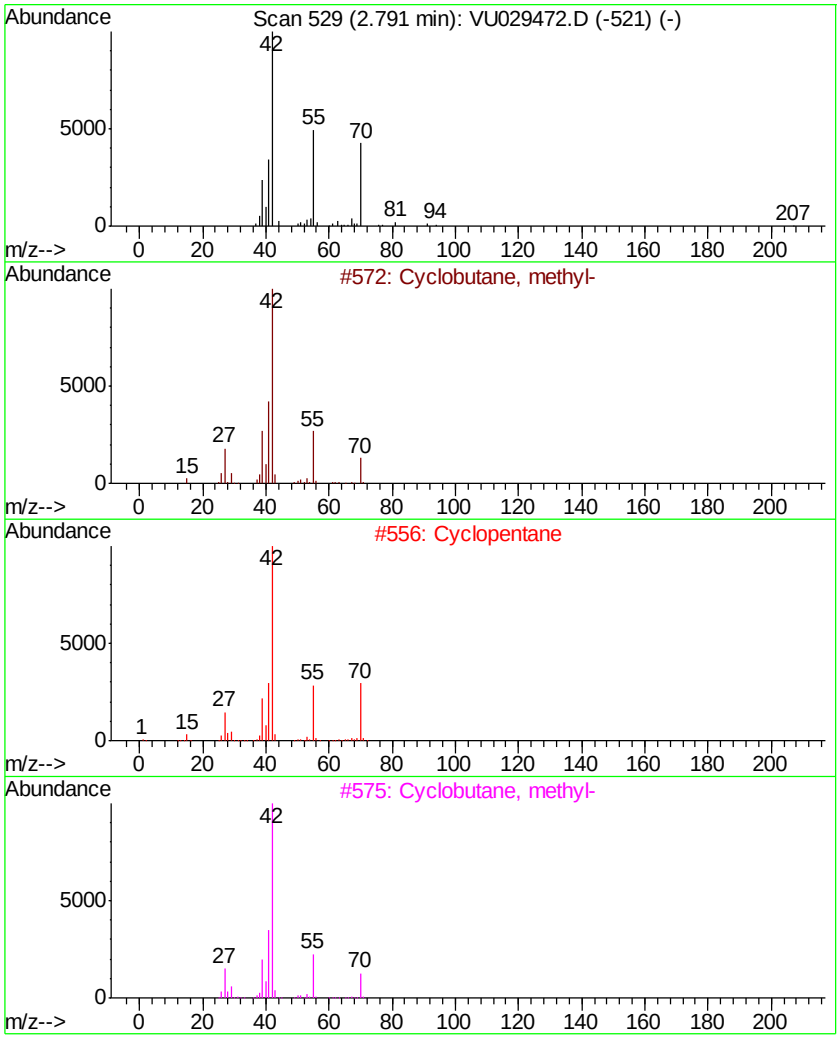
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

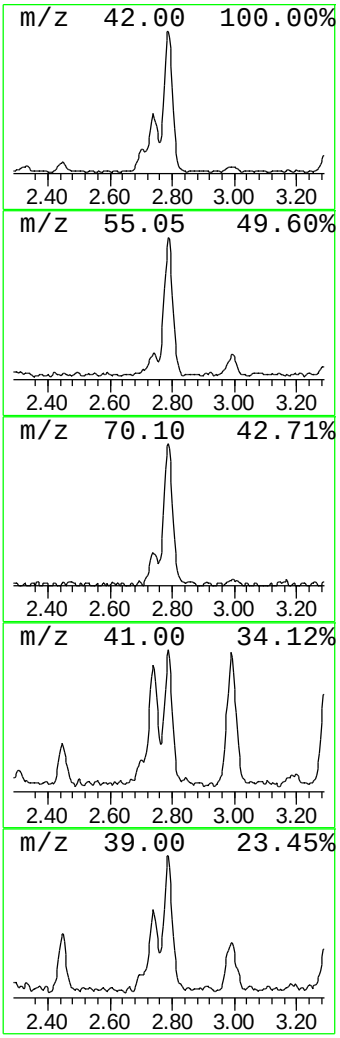
****

Peak Number 6 (DEL) Alkane: Cyclic2.79 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	0.96 ug/L	80486	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
2	Cyclopentane	70	C5H10	000287-92-3	78
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
4	Cyclopentane	70	C5H10	000287-92-3	72
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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

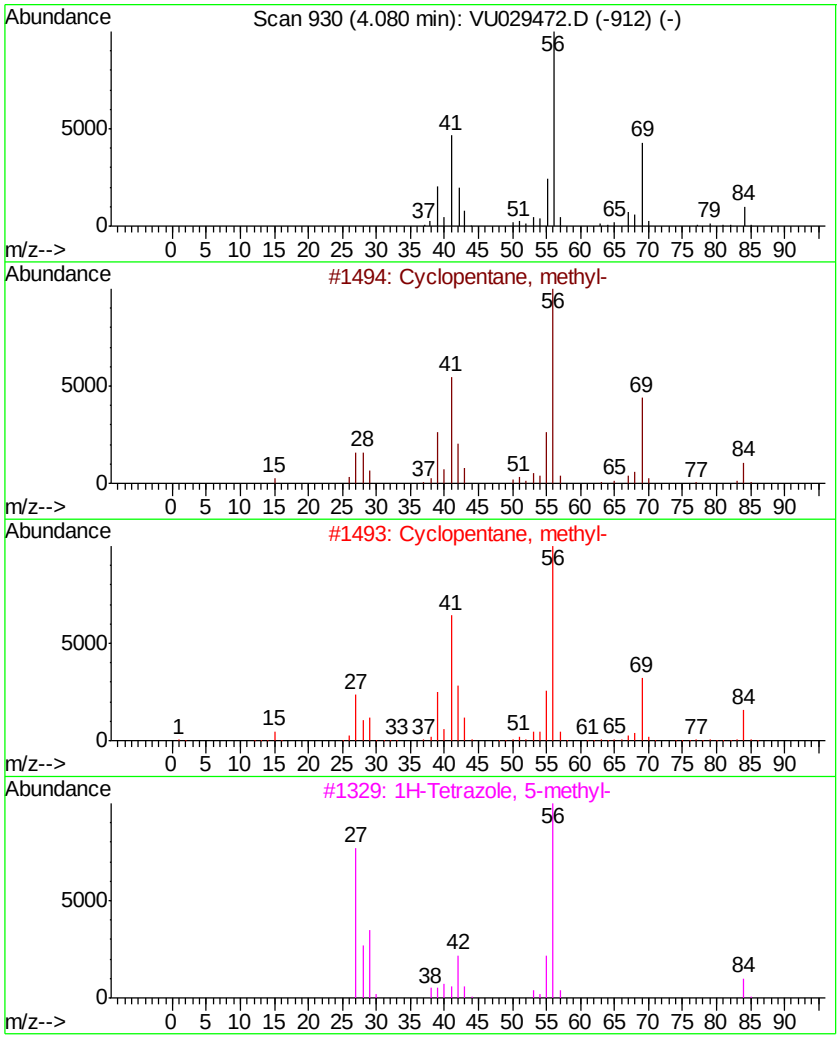
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

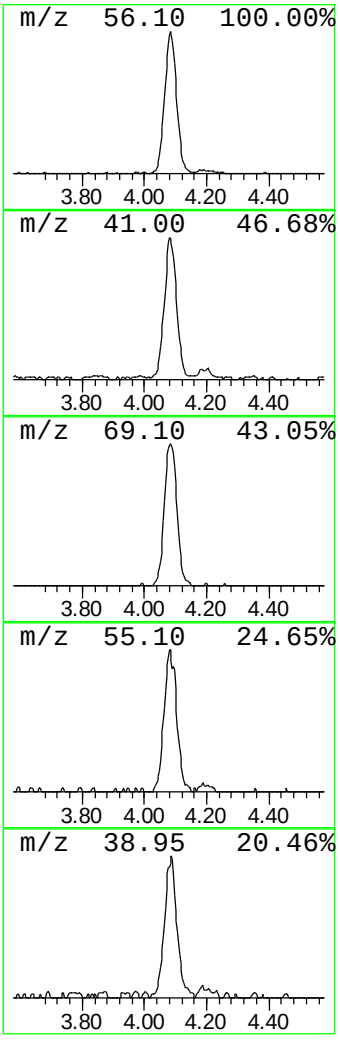
****

Peak Number 7 (DEL) Alkane: Cyclic4.08 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	1.82 ug/L	152693	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	Cyclohexane	84	C6H12	000110-82-7	78





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
Data File : VU029472.D
Acq On : 14 Feb 2019 21:54
Operator : JC/SP
Sample : K1438-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXC4

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	69.5	ug/L	5819550	1	5.88	418382	5.0
(DEL) Alkane: Str...	1.30	13.5	ug/L	1130000	1	5.88	418382	5.0
(DEL) Alkane: Str...	1.76	7.0	ug/L	581954	1	5.88	418382	5.0
(DEL) Alkane: Str...	1.95	4.9	ug/L	410950	1	5.88	418382	5.0
Isopropyl Alcohol	2.45	0.9	ug/L	73228	1	5.88	418382	5.0
(DEL) Alkane: Cyc...	2.79	1.0	ug/L	80486	1	5.88	418382	5.0
(DEL) Alkane: Cyc...	4.08	1.8	ug/L	152693	1	5.88	418382	5.0