LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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	49	rBV	1824421	1693196	100.00%	18.307%
2	1.299	54	65	84	rBV	403066	399886	23.62%	4.324%
3	1.399	88	96	107	rBV2	773771	810176	47.85%	8.760%
4	1.679	177	183	198	rVB	92206	121861	7.20%	1.318%
5	1.756	199	207	225	rVB	126318	172282	10.17%	1.863%
6	1.945	258	266	276	rVB	83444	111533	6.59%	1.206%
7	2.273	357	368	382	rBV	188370	290527	17.16%	3.141%
8	2.698	493	500	509	rBV2	17784	31453	1.86%	0.340%
9	2.788	521	528	542	rVB2	28198	51764	3.06%	0.560%
10	2.981	581	588	604	rVB4	20220	42488	2.51%	0.459%
11	4.084	914	931	949	rVB4	19346	50658	2.99%	0.548%
12	4.219	955	973	1009	rBV2	203213	592627	35.00%	6.408%
13	4.646	1090	1106	1127	rBV	98814	241809	14.28%	2.614%
14	4.990	1192	1213	1228	rBV4	26005	63318	3.74%	0.685%
15	5.334	1299	1320	1348	rVB2	220129	595714	35.18%	6.441%
16	5.884	1474	1491	1515	rBV	199308	396016	23.39%	4.282%
17	6.328	1616	1629	1644	rBV	134169	271613	16.04%	2.937%
18	6.408	1644	1654	1668	rVB4	20514	44058	2.60%	0.476%
19	7.228	1896	1909	1933	rBV	77912	142683	8.43%	1.543%
20	7.563	1992	2013	2031	rBV	325137	570971	33.72%	6.173%
21	7.849	2092	2102	2119	rBV	46449	83700	4.94%	0.905%
22	8.315	2234	2247	2290	rBV	373591	687787	40.62%	7.436%
23	9.087	2471	2487	2509	rBV	300552	508340	30.02%	5.496%
24	10.431	2894	2905	2923	rBV	120565	193745	11.44%	2.095%
25	11.482	3220	3232	3268	rBV	317670	527463	31.15%	5.703%
26	11.858	3335	3349	3371	rBV	332110	553279	32.68%	5.982%

Sum of corrected areas: 9248947

LSC Report - Integrated Chromatogram

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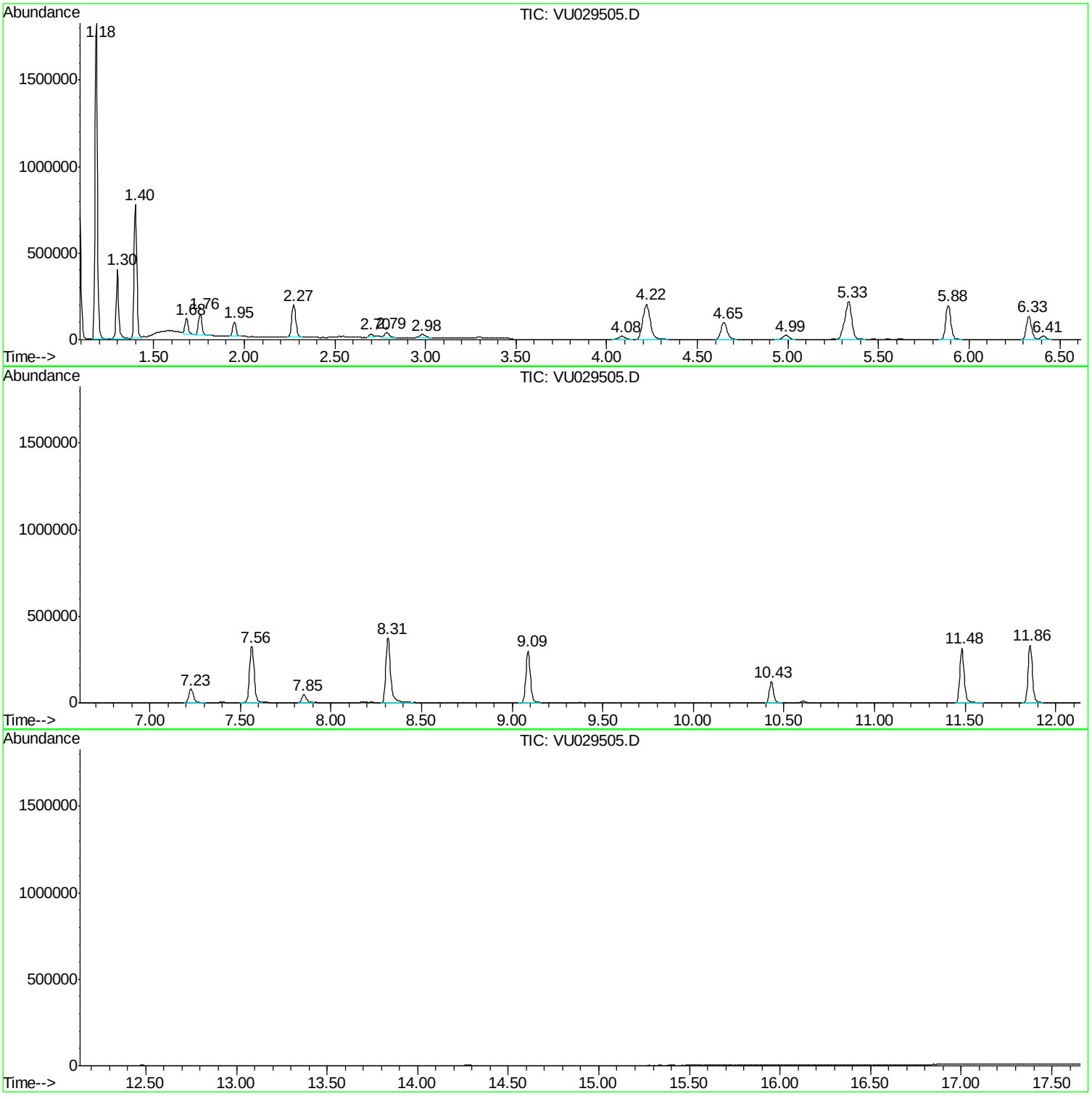
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

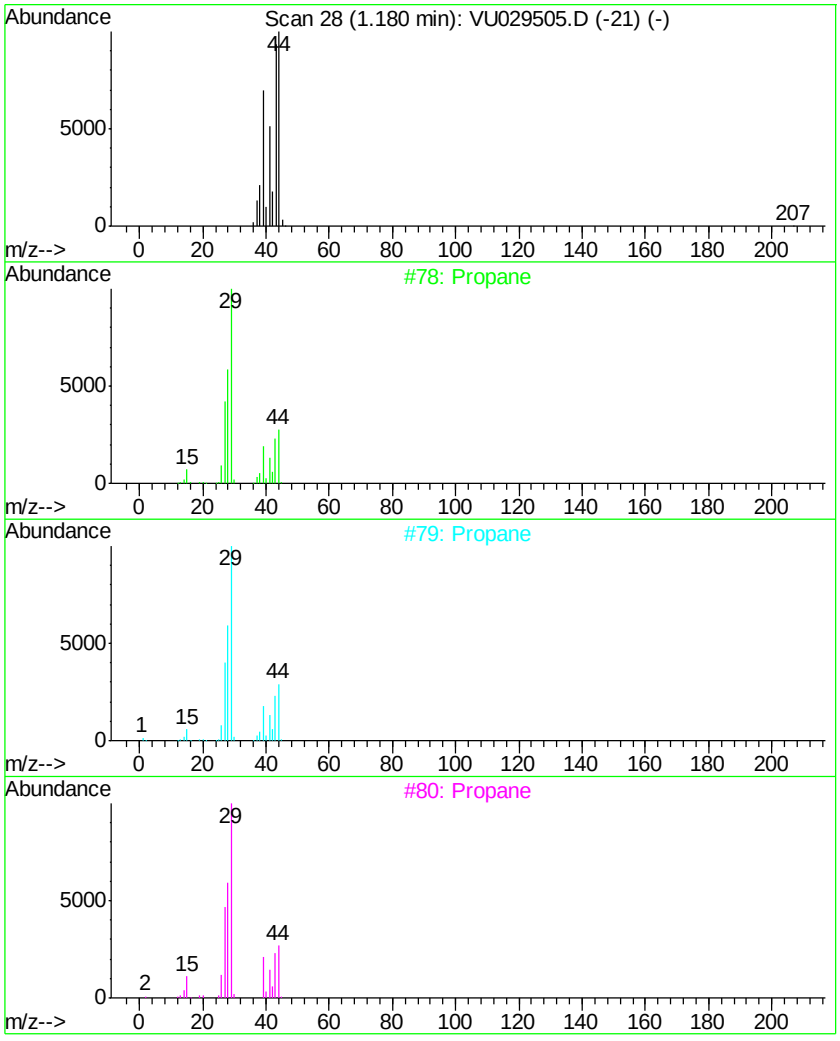
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

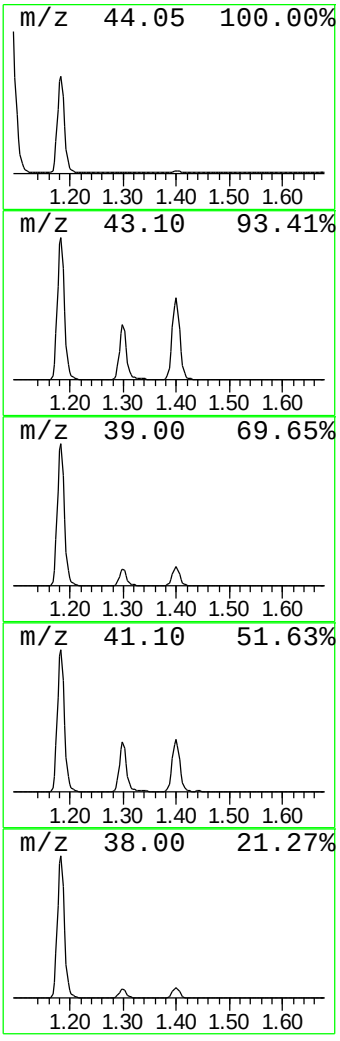
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	21.38 ug/L	1693200	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	42
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Acetaldehyde	44	C2H4O	000075-07-0	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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

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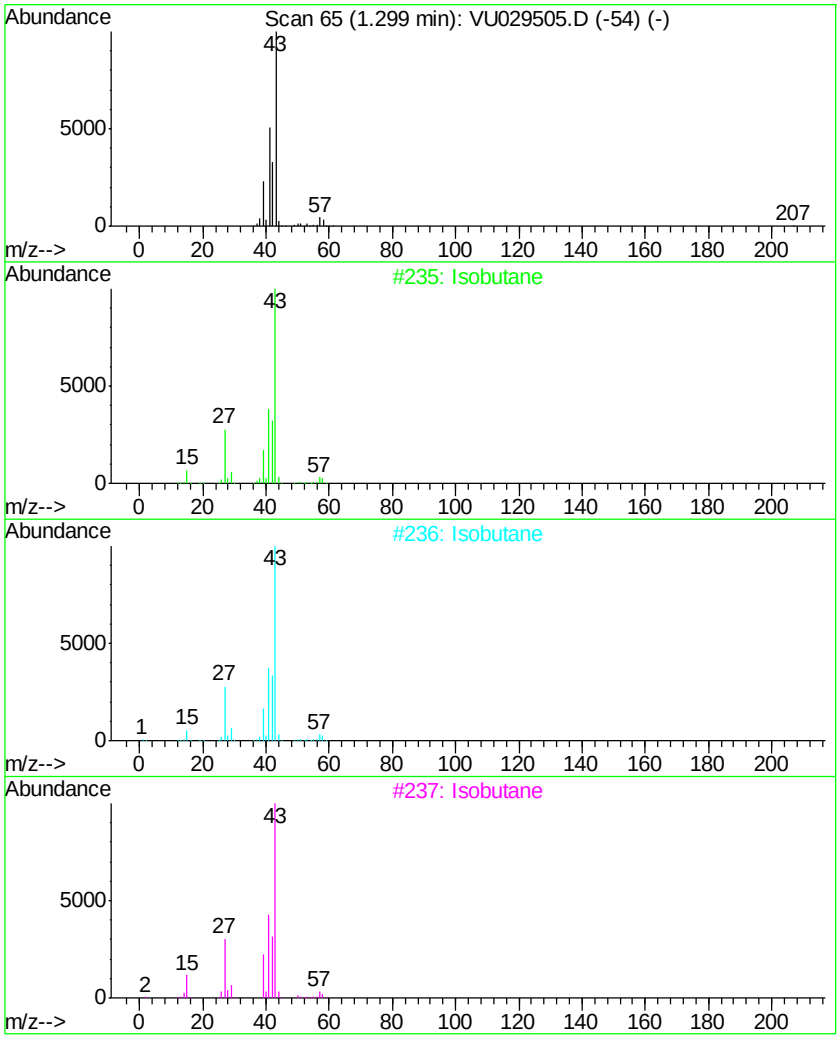
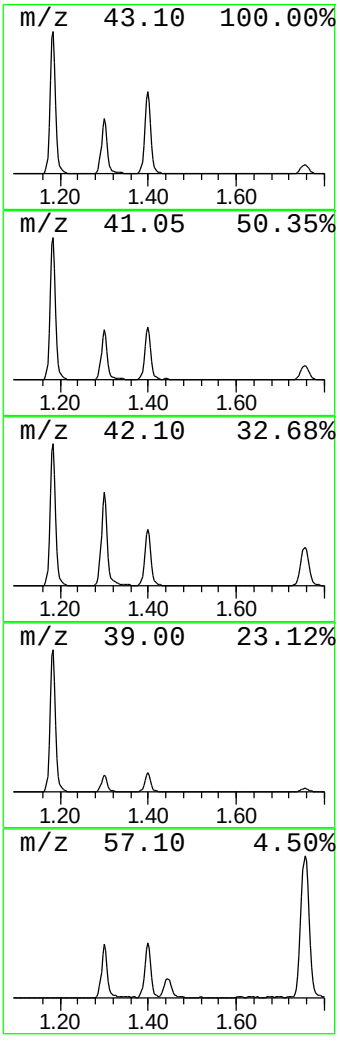
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	5.05 ug/L	399886	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	64
3	Isobutane	58	C4H10	000075-28-5	59
4	Isobutane	58	C4H10	000075-28-5	59
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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

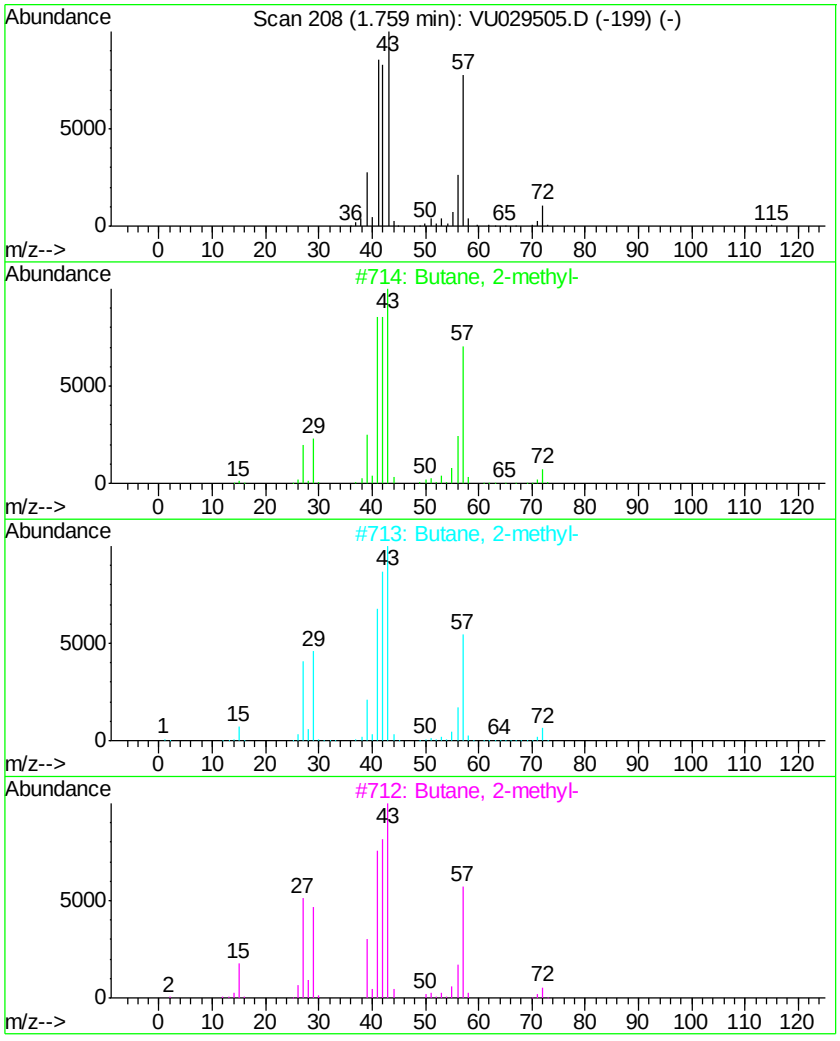
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

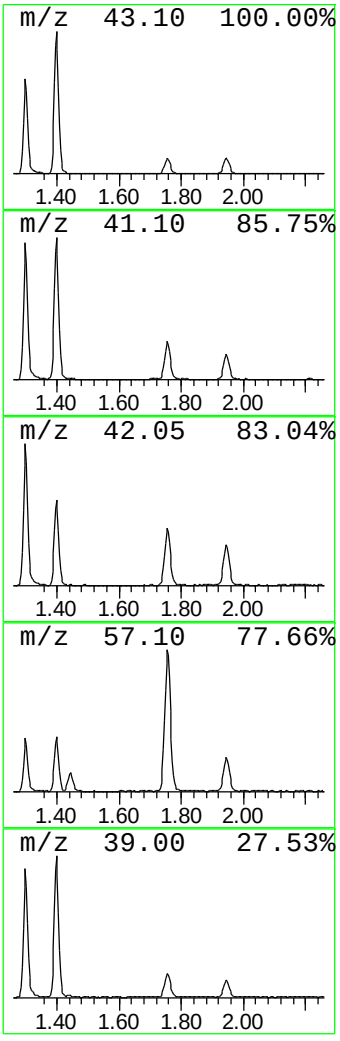
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	2.18 ug/L	172282	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	Oxirane, trimethyl-	86	C5H10O	005076-19-7	40
5	Isobutylene epoxide	72	C4H8O	000558-30-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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

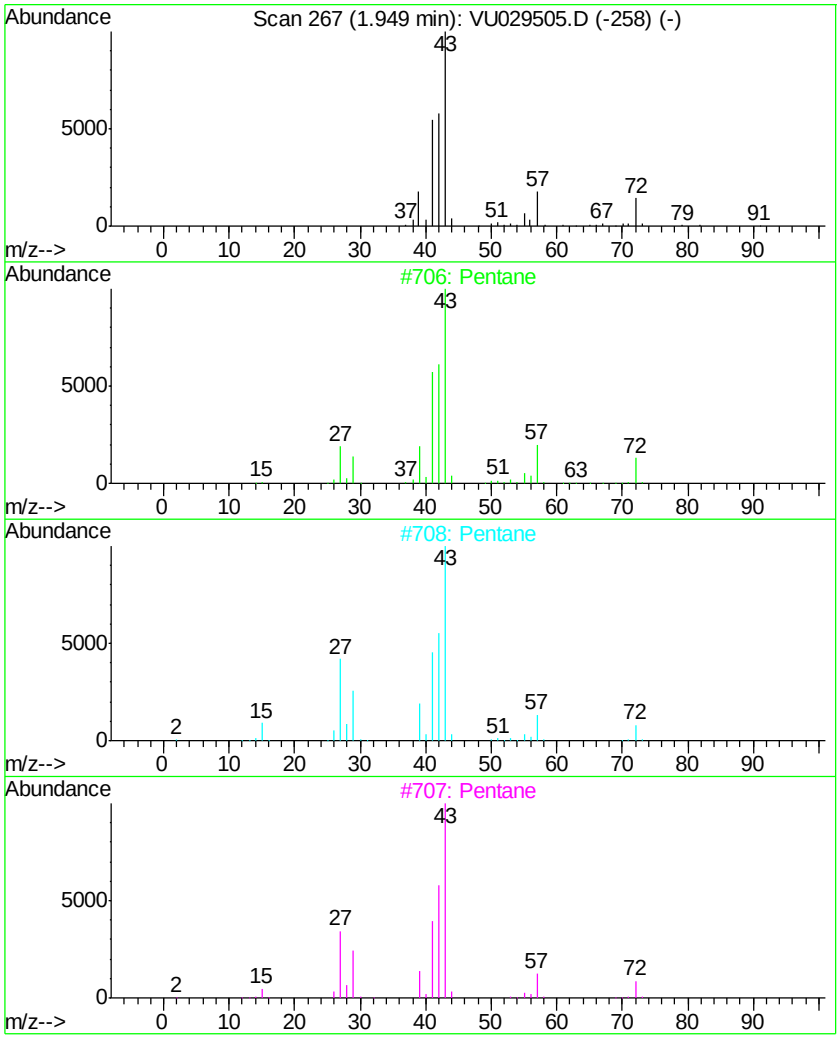
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

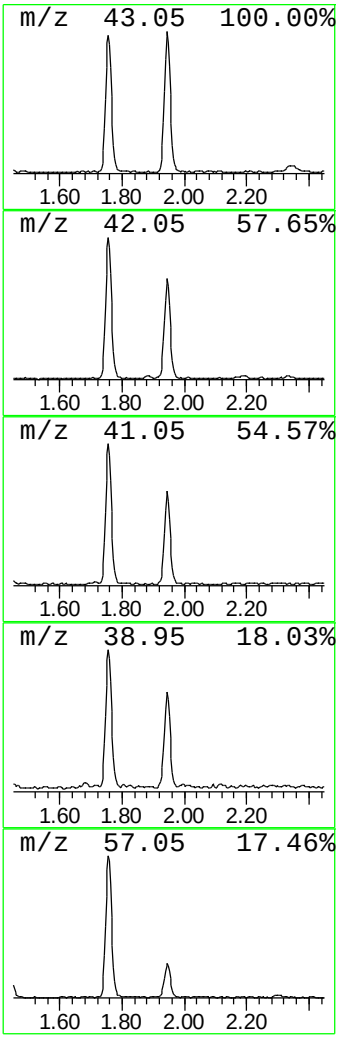
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	1.41 ug/L	111533	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	Oxirane, ethyl-	72	C4H8O	000106-88-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021619\
Data File : VU029505.D
Acq On : 15 Feb 2019 18:55
Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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

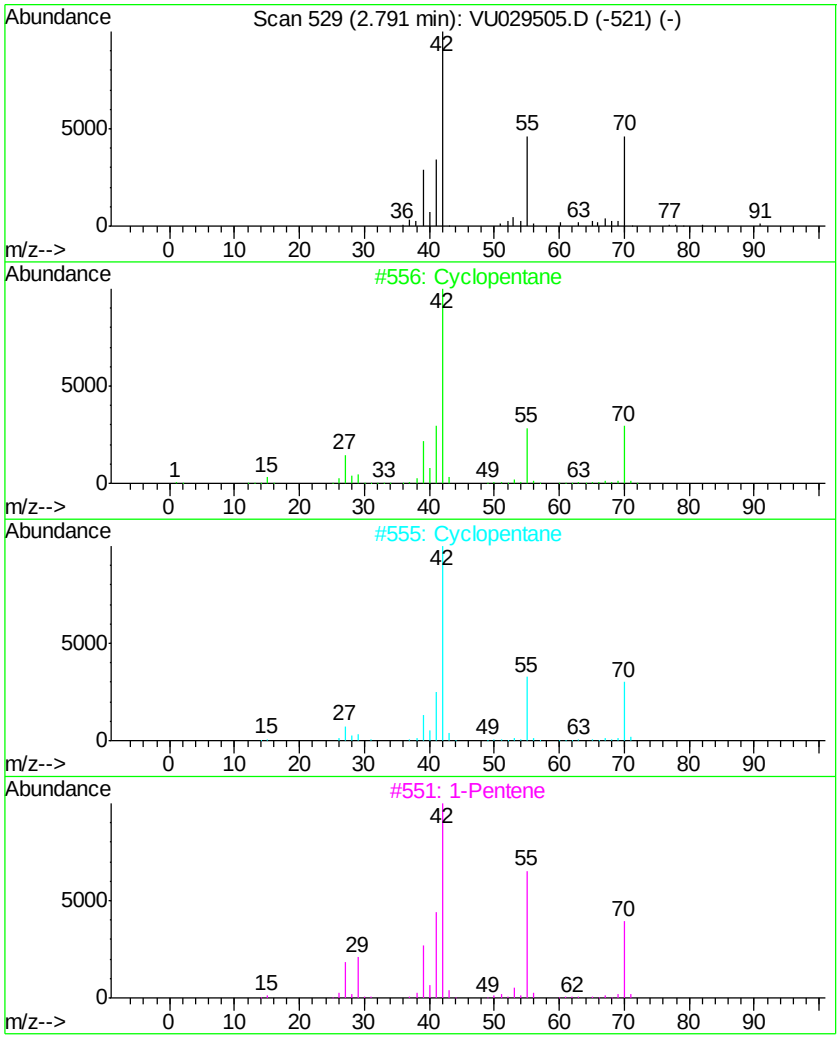
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

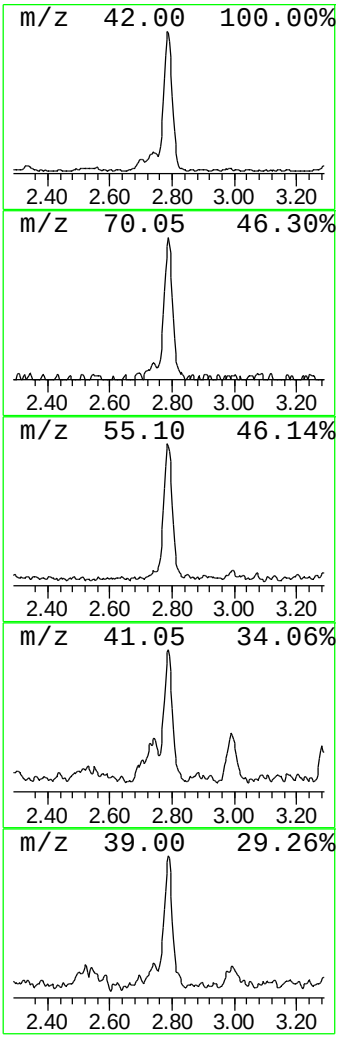
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	0.65 ug/L	51764	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	Cyclopentane	70	C5H10	000287-92-3	78
3	1-Pentene	70	C5H10	000109-67-1	64
4	1-Pentene	70	C5H10	000109-67-1	64
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	36





Library Search Compound Report

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Data File : VU029505.D
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Operator : JC/SP
Sample : K1438-16DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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

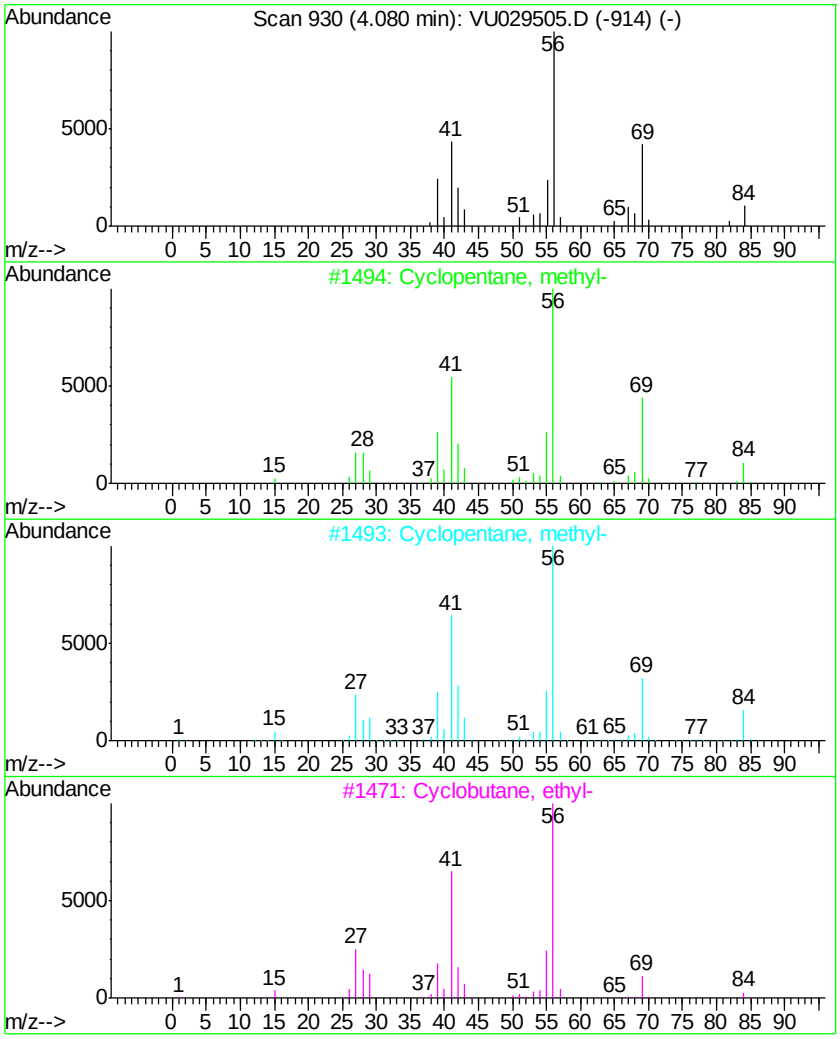
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

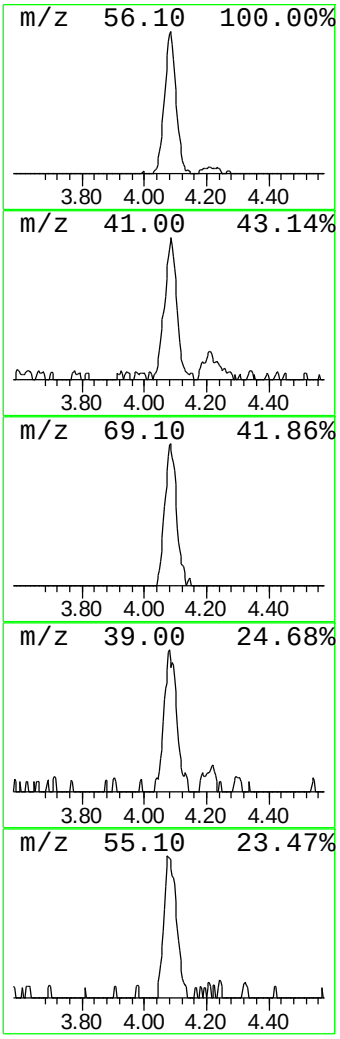
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	0.64 ug/L	50658	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	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	42





Tentatively Identified Compound (LSC) summary

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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXD8DL

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	21.4	ug/L	1693200	1	5.88	396016	5.0
(DEL) Alkane: Str...	1.30	5.0	ug/L	399886	1	5.88	396016	5.0
(DEL) Alkane: Str...	1.76	2.2	ug/L	172282	1	5.88	396016	5.0
(DEL) Alkane: Str...	1.95	1.4	ug/L	111533	1	5.88	396016	5.0
(DEL) Alkane: Cyc...	2.79	0.7	ug/L	51764	1	5.88	396016	5.0
(DEL) Alkane: Cyc...	4.08	0.6	ug/L	50658	1	5.88	396016	5.0