LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

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_V\METHOD\SOMVTR050720WMA.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	1.116	3	8	28	rVB	1521577	1483354	59.12%	11.548%
2	1.225	35	42	60	rBV	774215	731403	29.15%	5.694%
3	1.319	61	71	82	rVV	2507740	2508919	100.00%	19.531%
4	1.367	82	86	93	rVB	47628	47260	1.88%	0.368%
5	1.428	99	105	112	rBV	31365	32425	1.29%	0.252%
6	1.582	145	153	164	rVB	69654	88218	3.52%	0.687%
7	1.646	164	173	190	rVB	578227	725297	28.91%	5.646%
8	1.820	218	227	248	rVB	961718	1248107	49.75%	9.716%
9	1.917	250	257	270	rVB	31029	42595	1.70%	0.332%
10	2.042	289	296	306	rVB	26186	37337	1.49%	0.291%
11	2.126	313	322	338	rVB	117523	177153	7.06%	1.379%
12	2.553	434	455	464	rBV	77342	172010	6.86%	1.339%
13	2.598	465	469	487	rVB2	23472	38852	1.55%	0.302%
14	2.785	512	527	547	rVB	72077	147559	5.88%	1.149%
15	3.064	599	614	638	rBV2	125907	253745	10.11%	1.975%
16	3.794	826	841	863	rBV2	14295	36269	1.45%	0.282%
17	3.933	869	884	929	rBV2	59510	208971	8.33%	1.627%
18	4.379	1007	1023	1048	rBV	86555	229222	9.14%	1.784%
19	4.939	1180	1197	1216	rBV3	14657	36130	1.44%	0.281%
20	5.077	1223	1240	1263	rBV2	207064	521086	20.77%	4.057%
21	5.521	1366	1378	1393	rBV3	16437	33989	1.35%	0.265%
22	5.643	1404	1416	1443	rBV	184103	374281	14.92%	2.914%
23	6.096	1544	1557	1587	rBV	123248	258749	10.31%	2.014%
24	7.010	1827	1841	1860	rBV	55061	101675	4.05%	0.792%
25	7.341	1932	1944	1960	rBV	242396	418222	16.67%	3.256%
26	7.646	2030	2039	2056	rBV2	32949	57808	2.30%	0.450%
27	7.997	2136	2148	2167	rVB	234525	395064	15.75%	3.075%
28	8.116	2173	2185	2216	rBV	280370	565919	22.56%	4.406%
29	8.874	2410	2421	2443	rBV	284727	463116	18.46%	3.605%
30	10.238	2834	2845	2859	rBV	87228	138412	5.52%	1.078%
31	11.273	3156	3167	3183	rBV	282140	439284	17.51%	3.420%
32	11.556	3242	3255	3273	rBV	209606	396845	15.82%	3.089%
33	11.646	3273	3283	3312	rVB	257416	436362	17.39%	3.397%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

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_V\METHOD\SOMVTR050720WMA.M
Title : TRACE VOA SOM01.0

Sum of corrected areas: 12845638

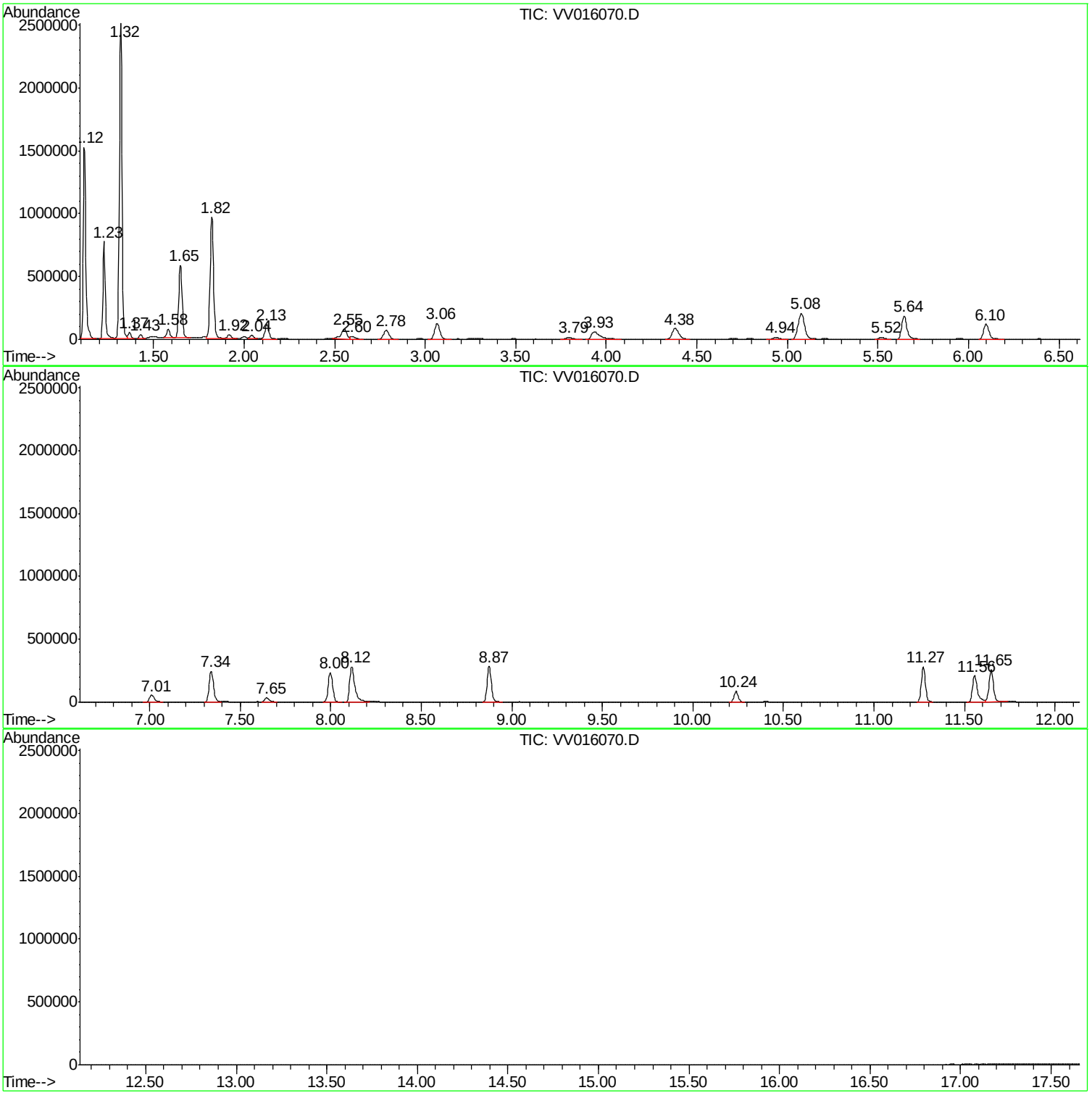
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.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_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

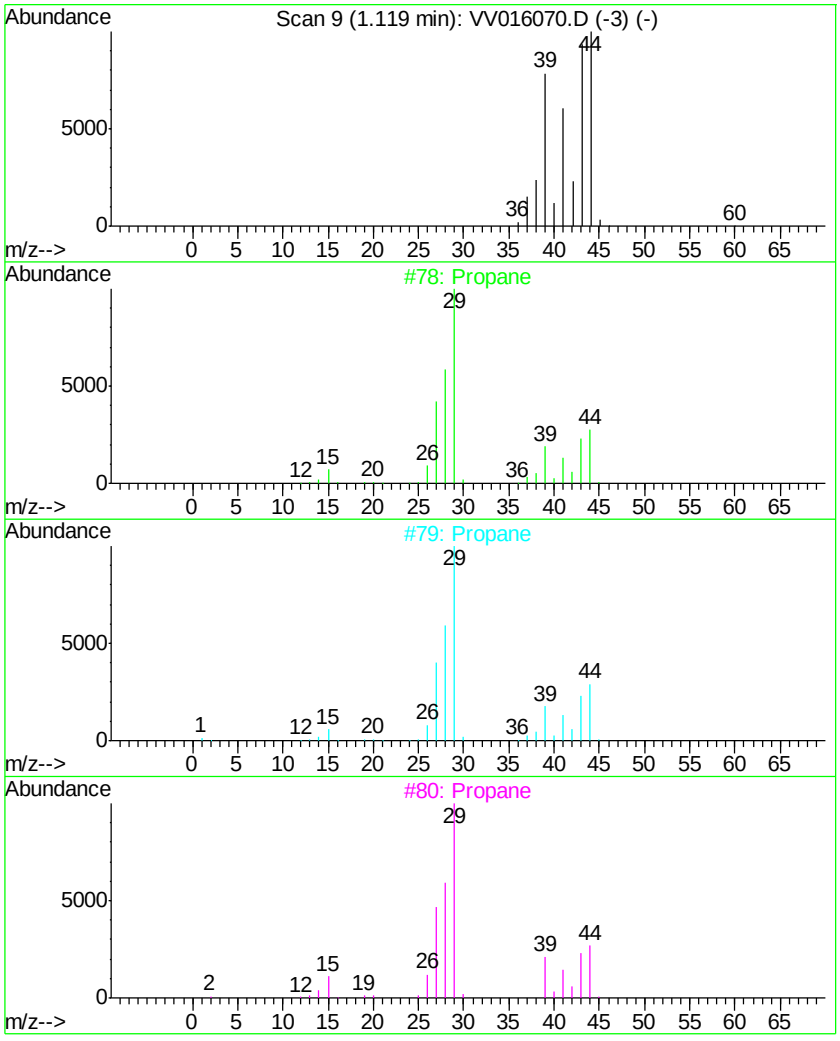
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

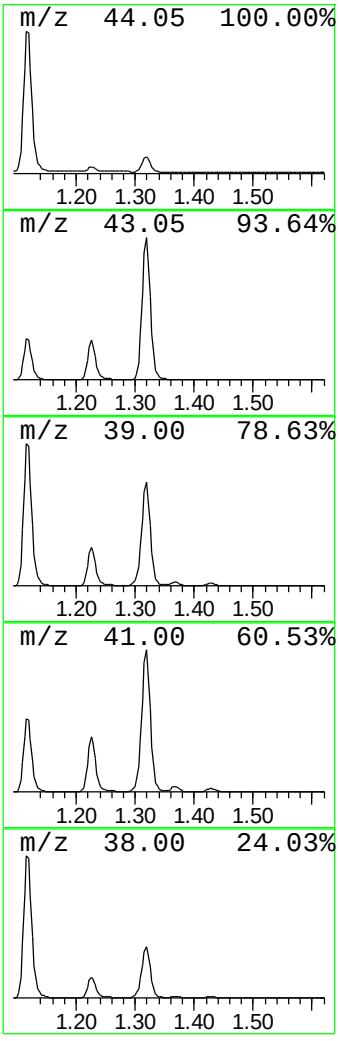
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.12	19.82 ug/L	1483350	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	90
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	Cyclopropene	40	C3H4	002781-85-3	2





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

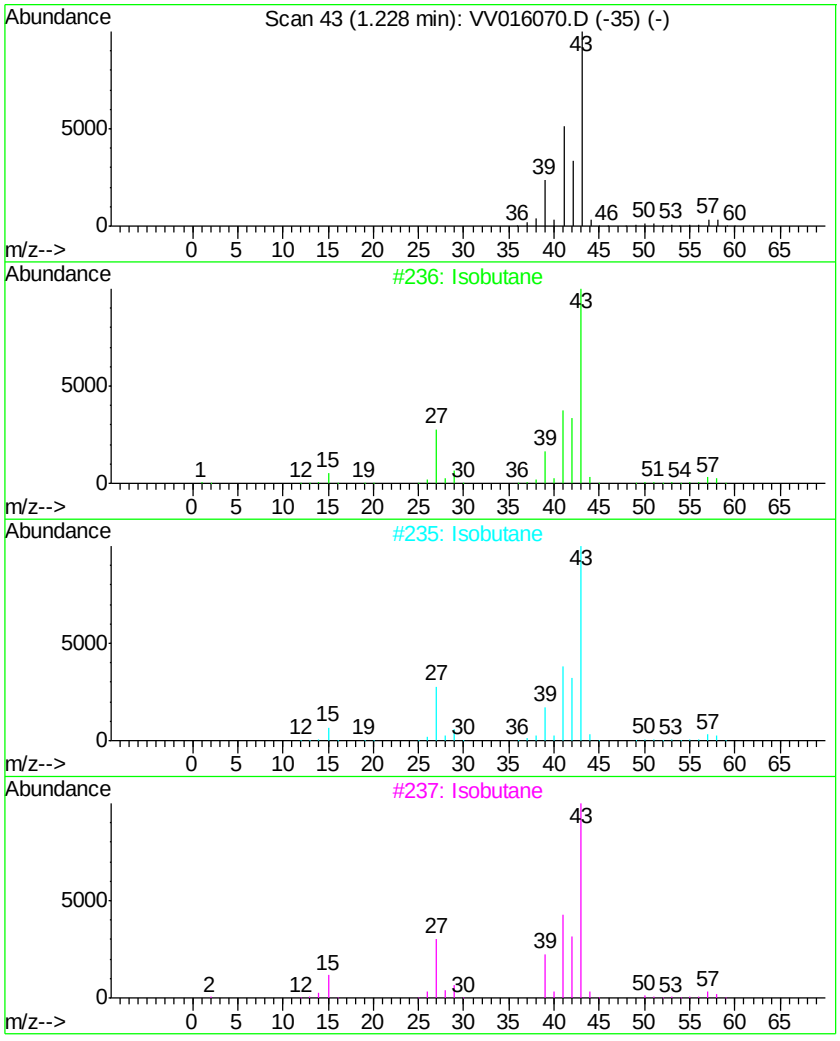
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

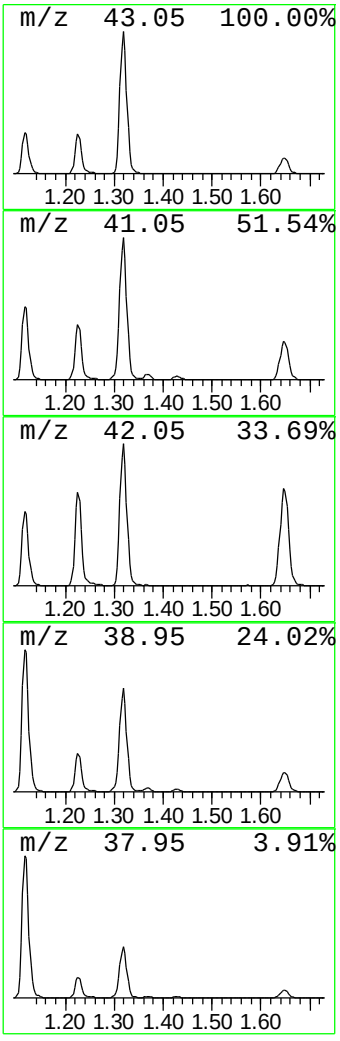
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.23	9.77 ug/L	731403	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	80
2	Isobutane	58	C4H10	000075-28-5	72
3	Isobutane	58	C4H10	000075-28-5	64
4	Isobutane	58	C4H10	000075-28-5	59
5	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

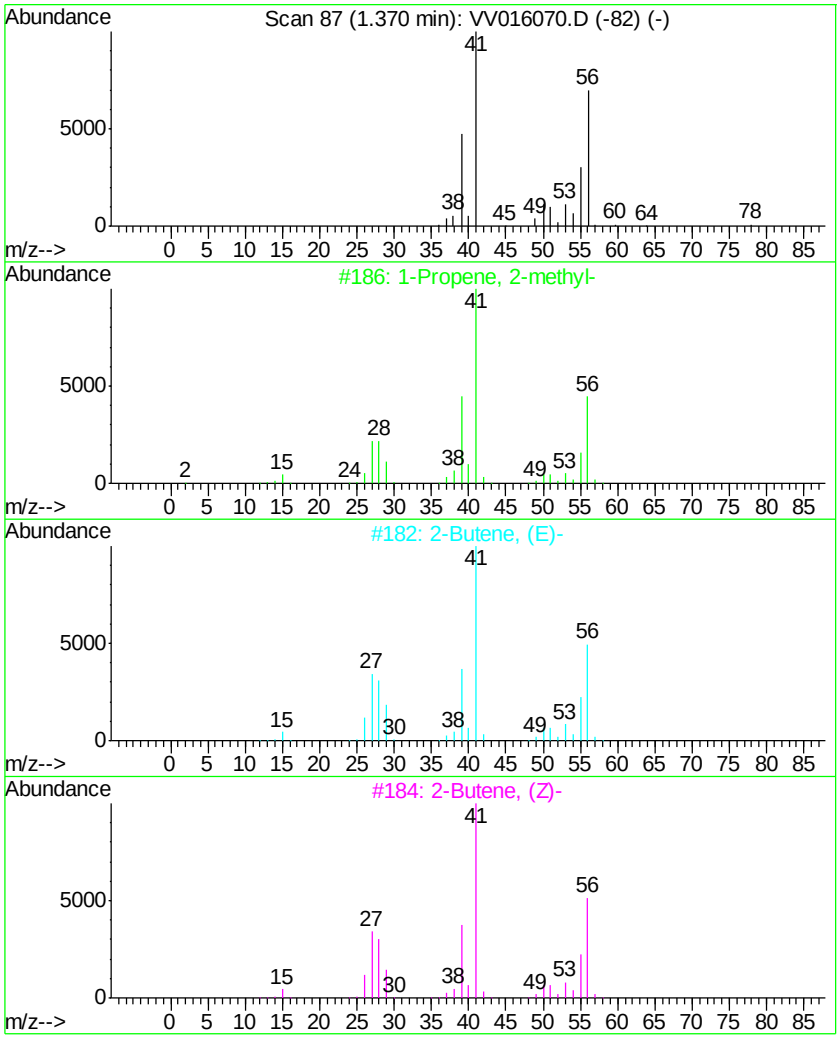
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

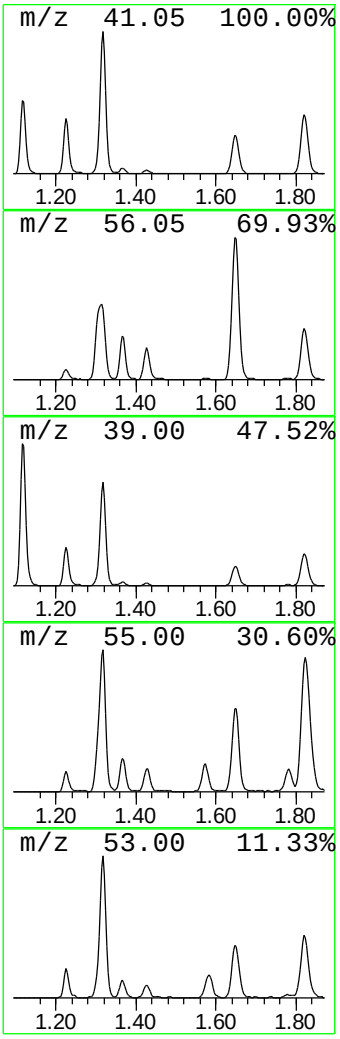
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	0.63 ug/L	47260	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
2	2-Butene, (E)-	56	C4H8	000624-64-6	72
3	2-Butene, (Z)-	56	C4H8	000590-18-1	72
4	2-Butene, (Z)-	56	C4H8	000590-18-1	64
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

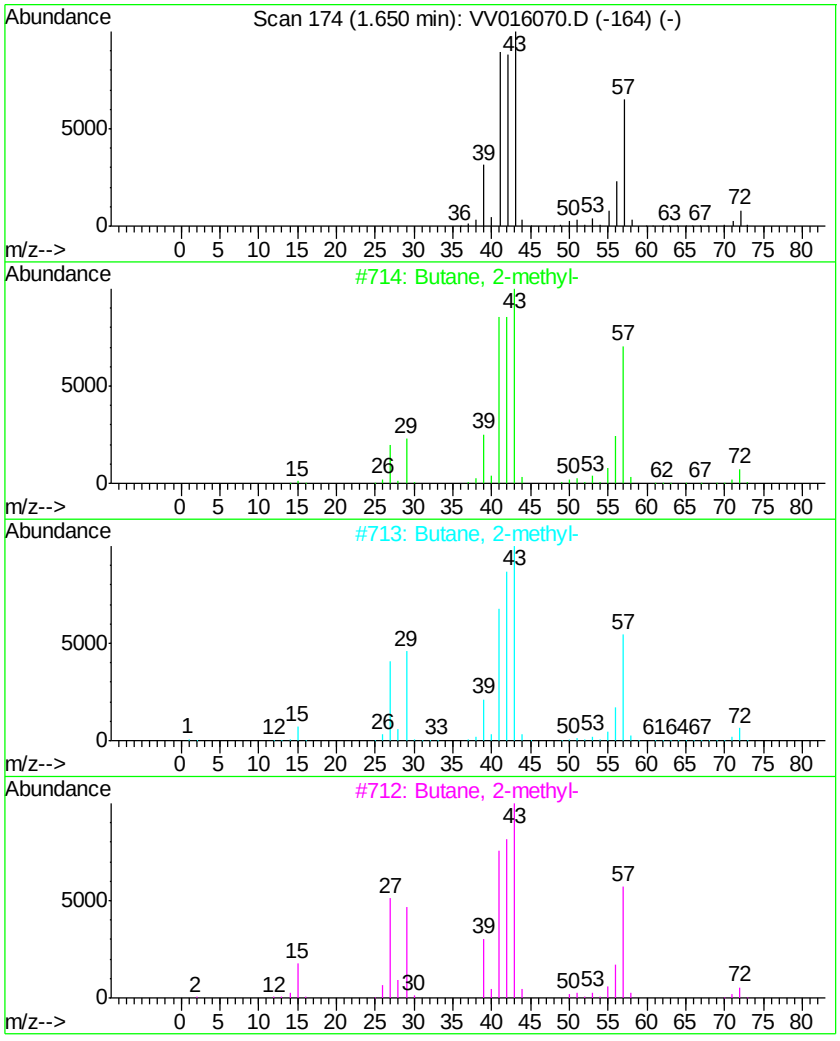
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

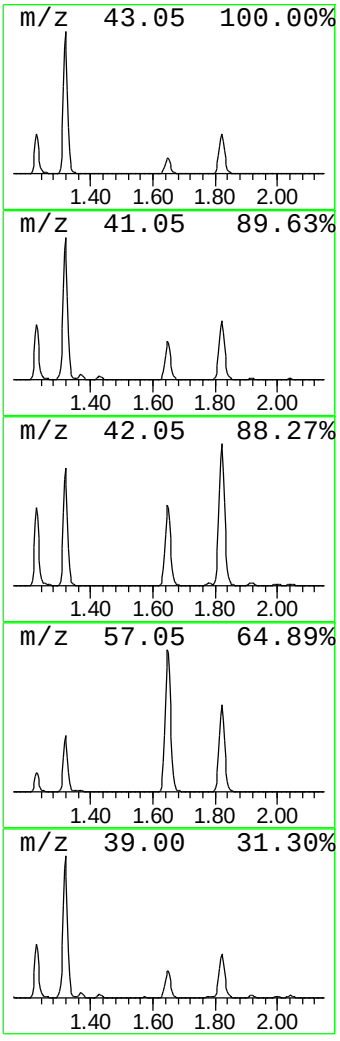
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.65	9.69 ug/L	725297	1,4-Difluorobenzene	5.64

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	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

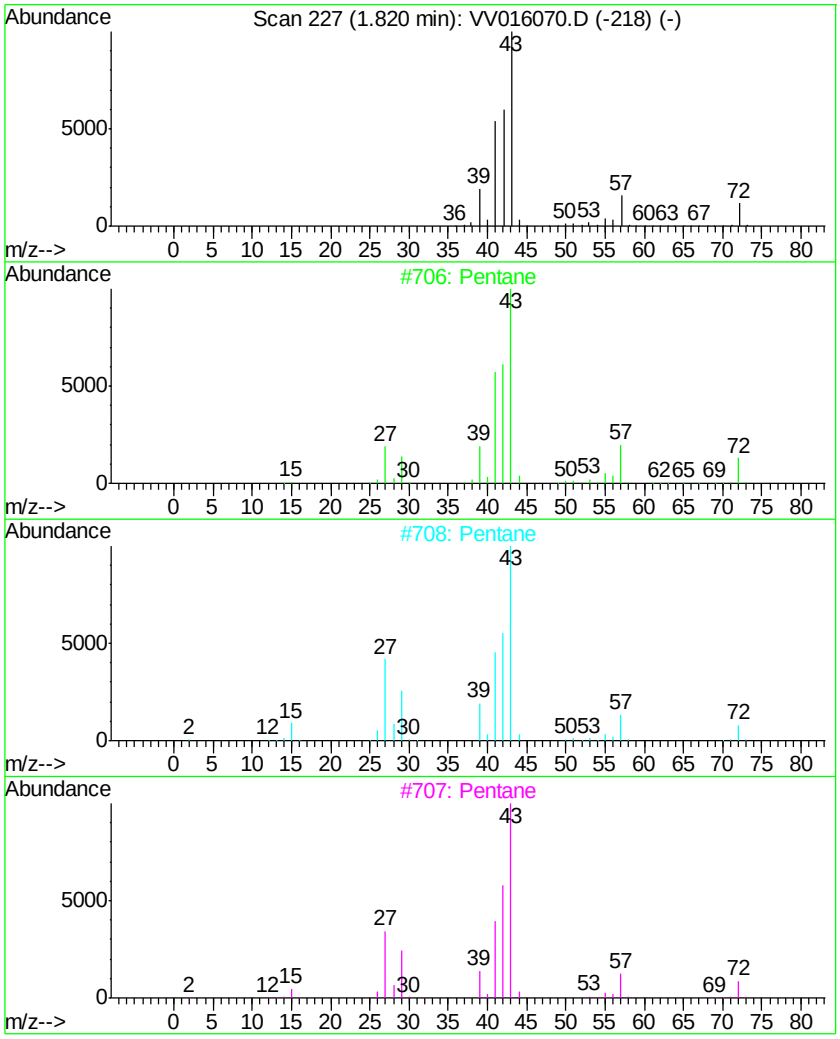
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

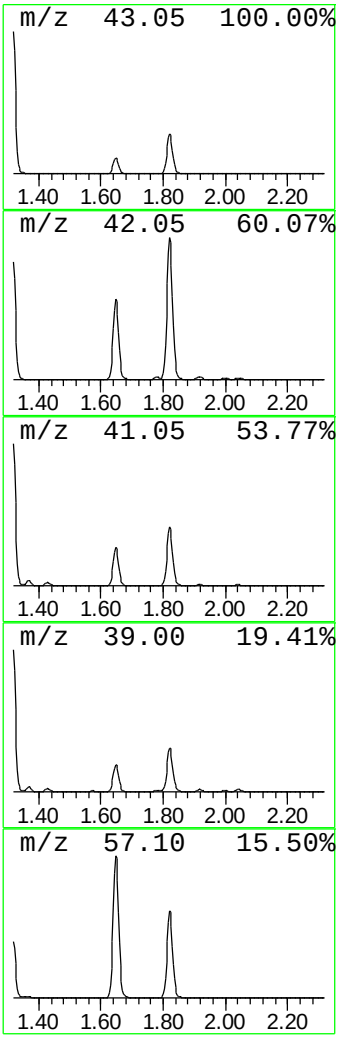
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	16.67 ug/L	1248110	1,4-Difluorobenzene	5.64

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	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

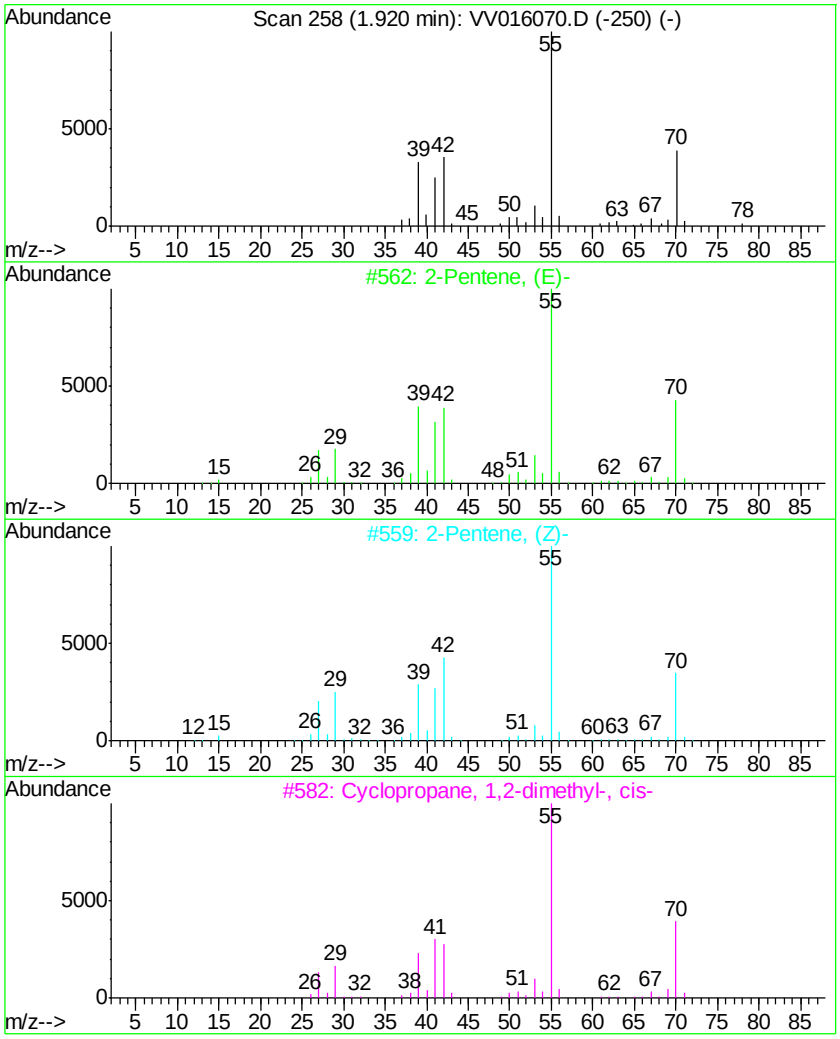
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

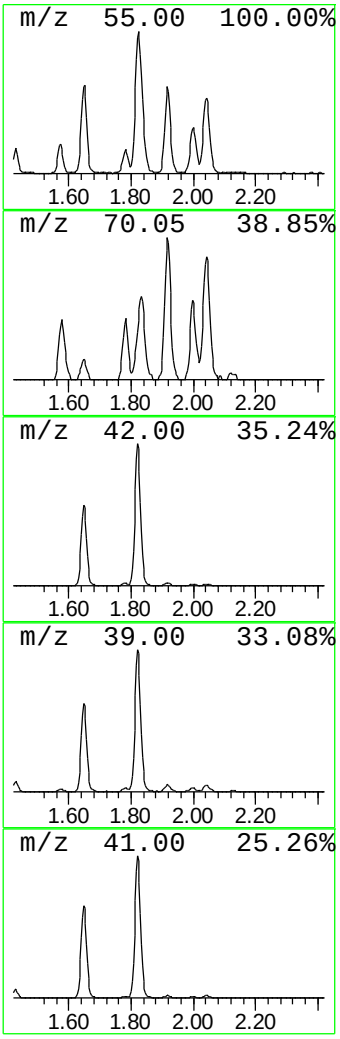
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.92	0.57 ug/L	42595	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
3	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
4	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5	2-Pentene	70	C5H10	000109-68-2	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

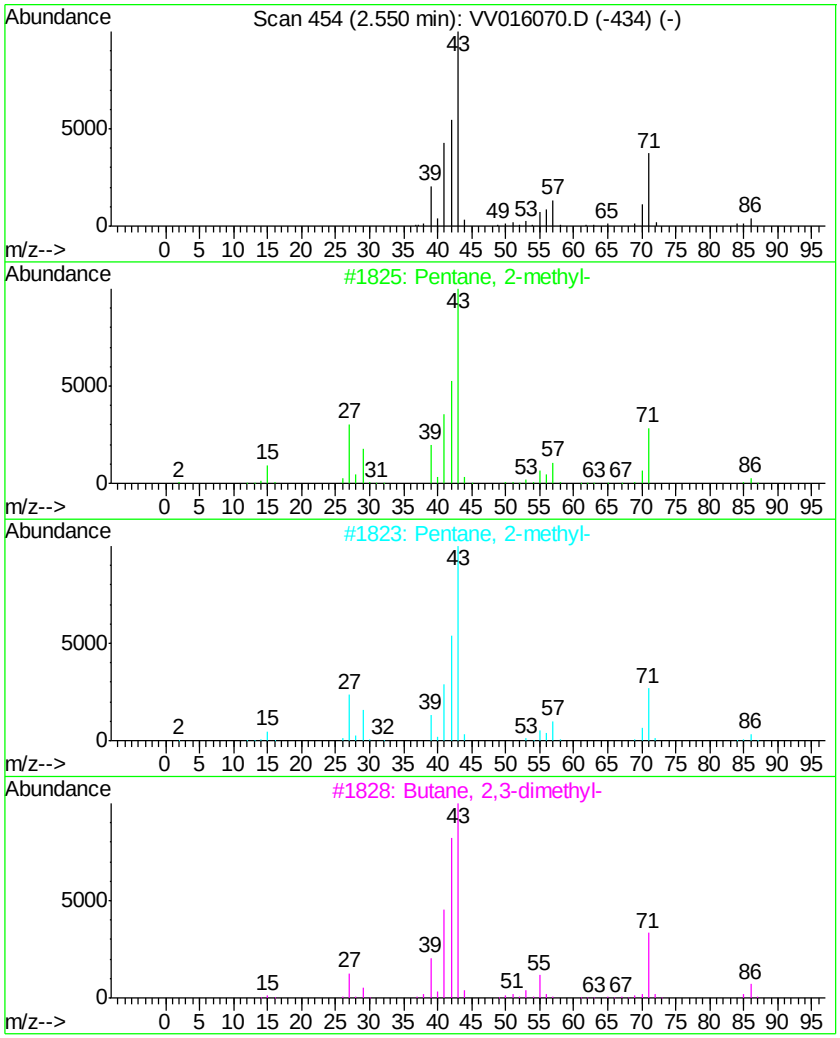
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

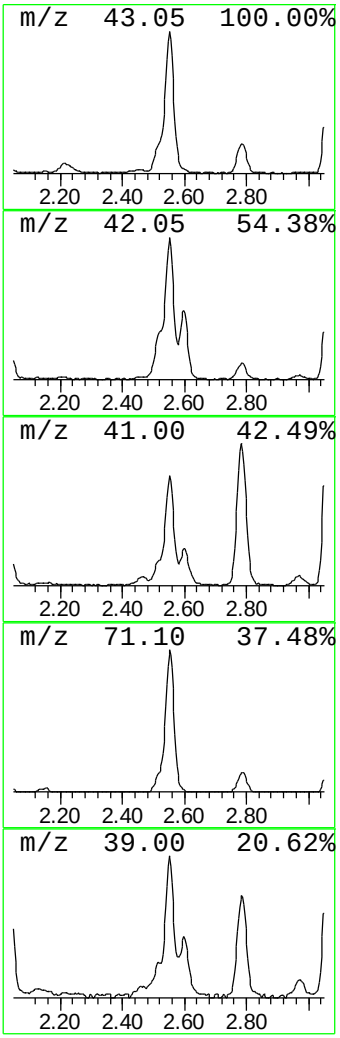
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	2.30 ug/L	172010	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	64
4	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

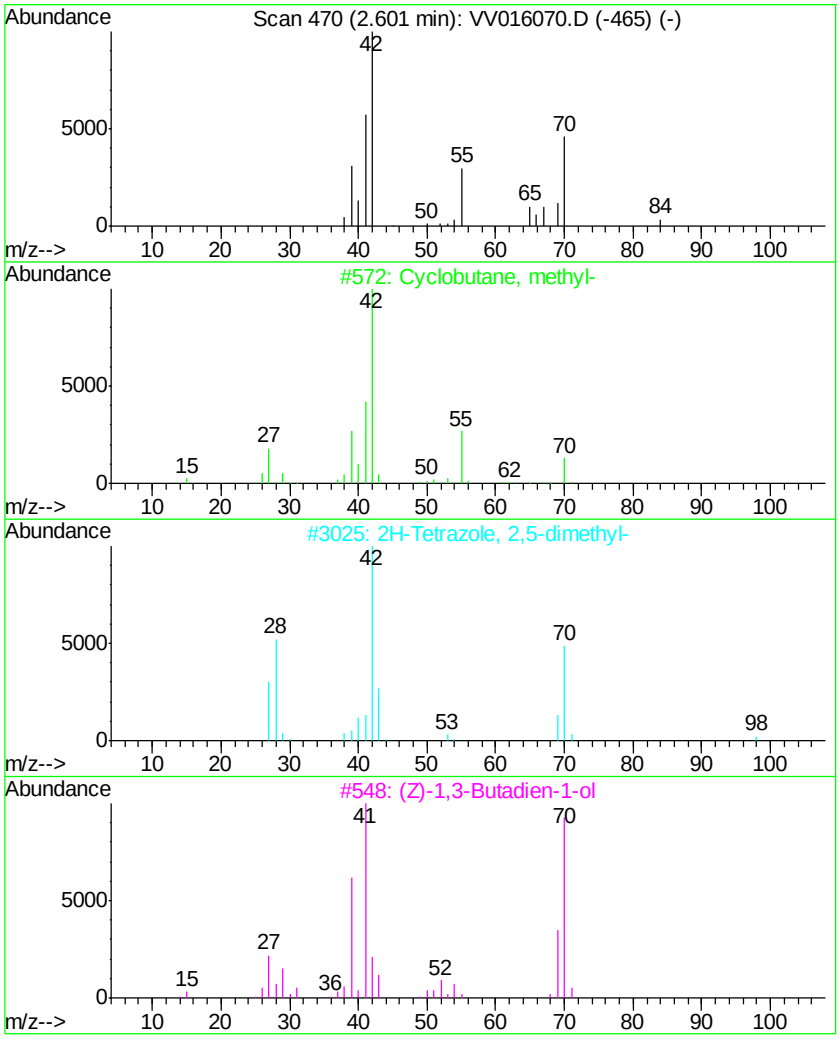
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

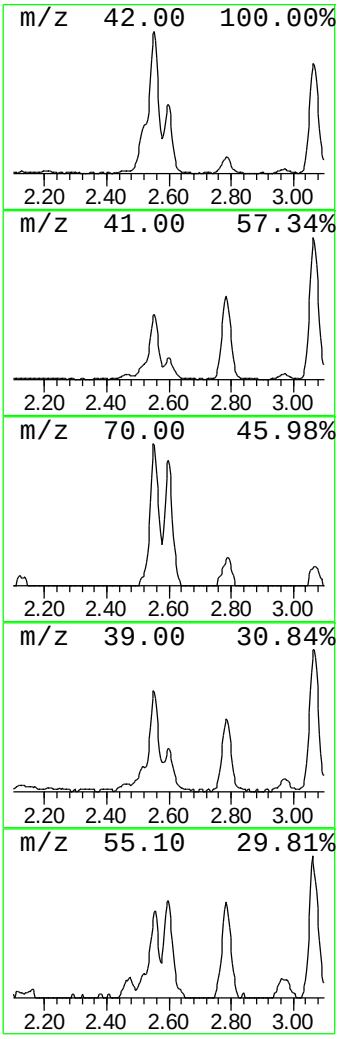
****

Peak Number 8 (DEL) Alkane: Cyclic2.60 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.60	0.52 ug/L	38852	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	42
2	2H-Tetrazole, 2,5-dimethyl-	98	C3H6N4	004135-93-7	40
3	(Z)-1,3-Butadien-1-ol	70	C4H6O	070415-58-6	27
4	Furan, 2,5-dihydro-	70	C4H6O	001708-29-8	27
5	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

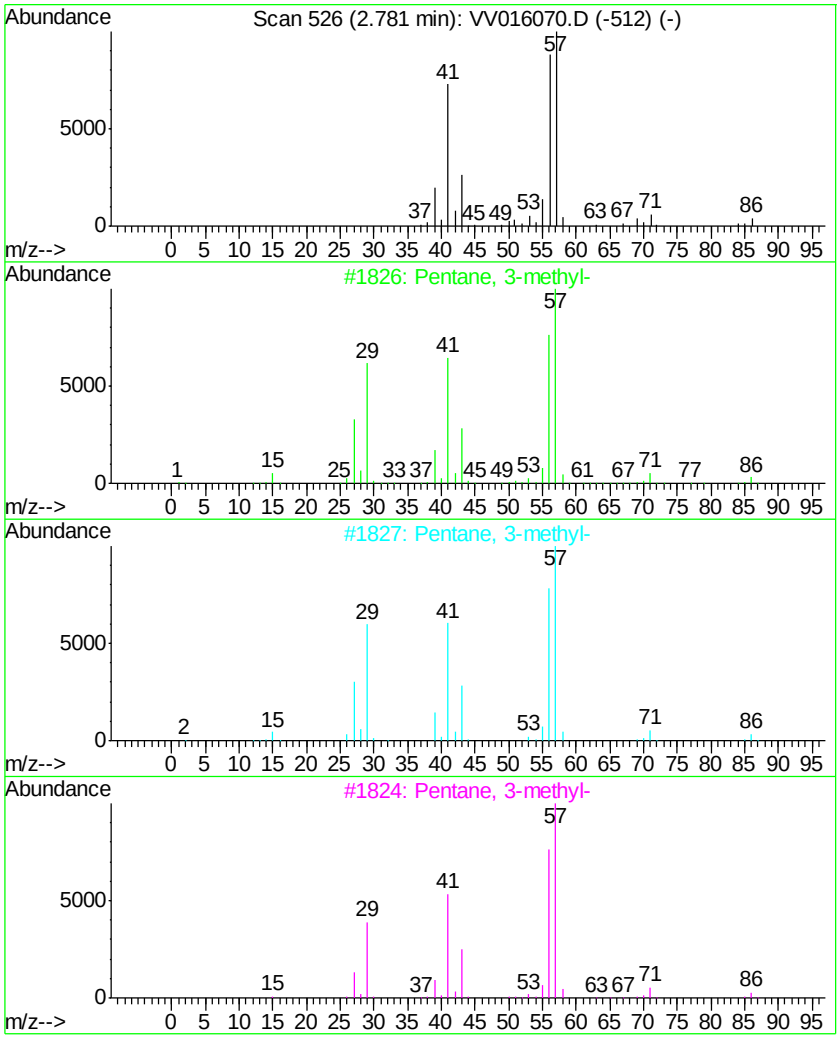
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

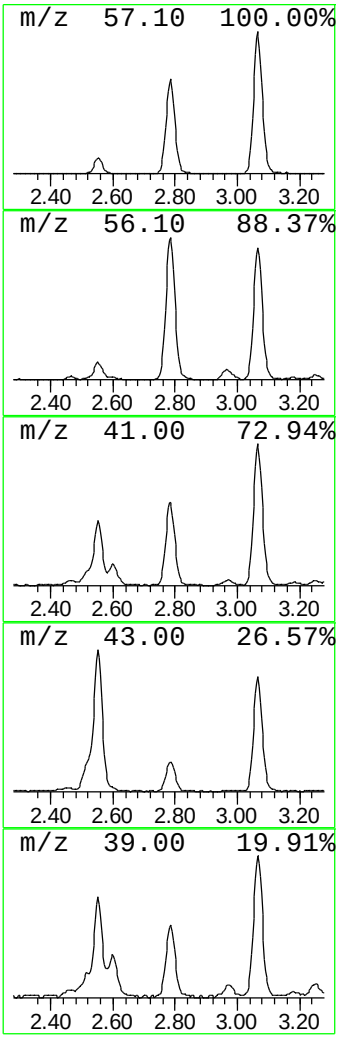
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	1.97 ug/L	147559	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

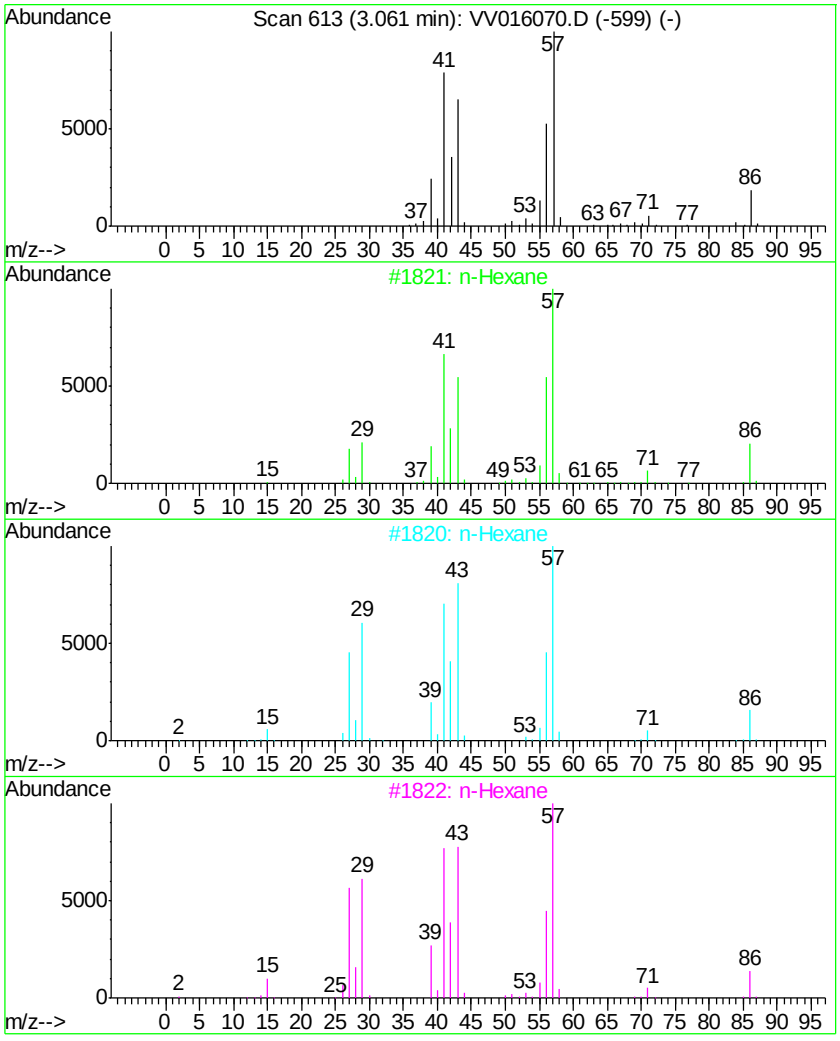
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

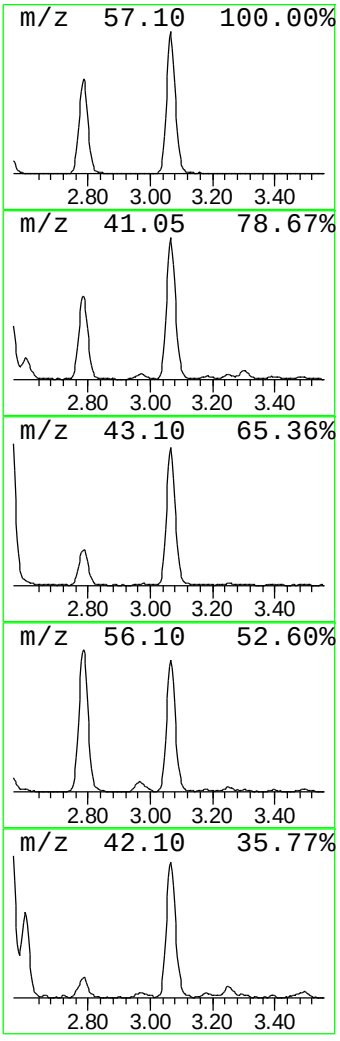
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	3.39 ug/L	253745	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	n-Hexane	86	C6H14	000110-54-3	90
3	n-Hexane	86	C6H14	000110-54-3	64
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	40
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
Quant Title : TRACE VOA SOM01.0

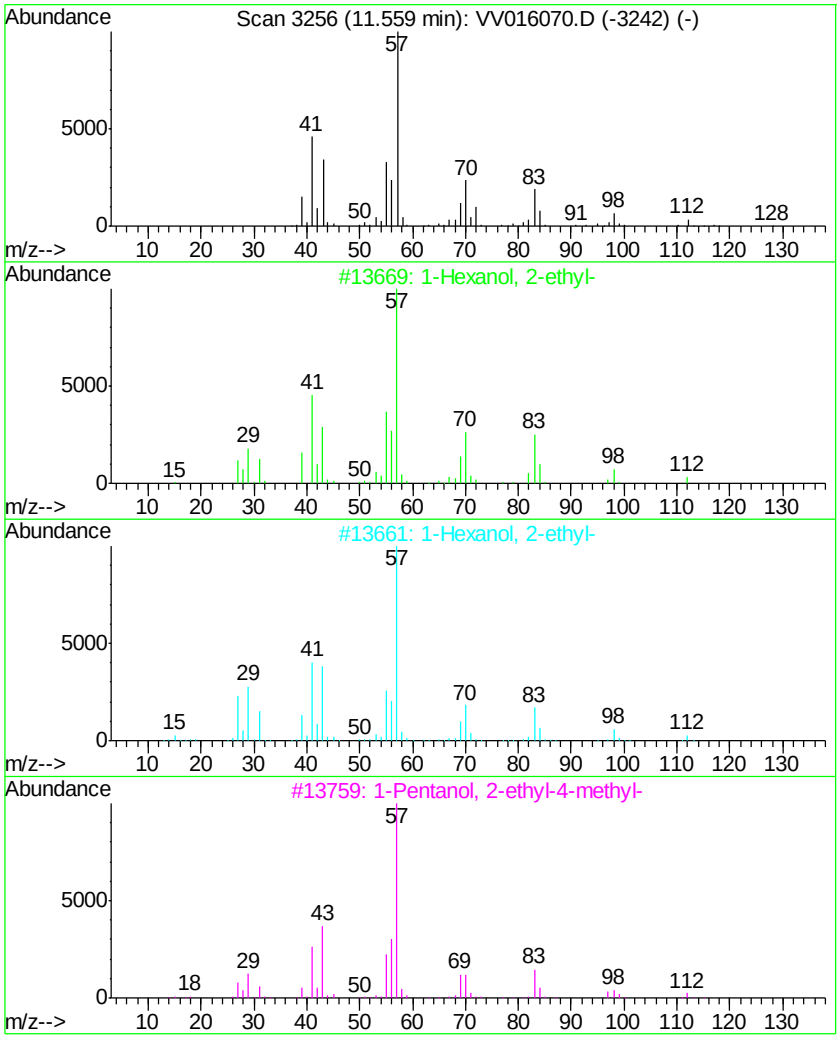
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

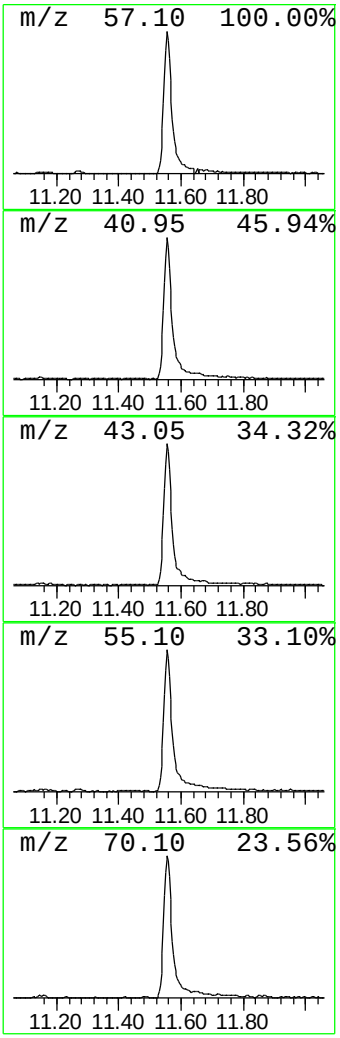
****

Peak Number 12 1-Hexanol, 2-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	4.52 ug/L	396845	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV051420\
Data File : VV016070.D
Acq On : 14 May 2020 16:35
Operator : SY/MD
Sample : L2598-21
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : H4242

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.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...	1.12	19.8	ug/L	1483350	1	5.64	374281	5.0
(DEL) Alkane: Str...	1.23	9.8	ug/L	731403	1	5.64	374281	5.0
(DEL) Alkane: Str...	1.37	0.6	ug/L	47260	1	5.64	374281	5.0
(DEL) Alkane: Str...	1.65	9.7	ug/L	725297	1	5.64	374281	5.0
(DEL) Alkane: Str...	1.82	16.7	ug/L	1248110	1	5.64	374281	5.0
(DEL) Alkane: Str...	1.92	0.6	ug/L	42595	1	5.64	374281	5.0
(DEL) Alkane: Str...	2.55	2.3	ug/L	172010	1	5.64	374281	5.0
(DEL) Alkane: Cyc...	2.60	0.5	ug/L	38852	1	5.64	374281	5.0
(DEL) Alkane: Str...	2.78	2.0	ug/L	147559	1	5.64	374281	5.0
(DEL) Alkane: Str...	3.06	3.4	ug/L	253745	1	5.64	374281	5.0
1-Hexanol, 2-ethyl-	11.56	4.5	ug/L	396845	3	11.27	439284	5.0