LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

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\SOMUTR072120WMA.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	1.366	3	8	30	rVB	750494	730688	100.00%	11.952%
2	1.498	41	49	63	rVB2	47658	50928	6.97%	0.833%
3	1.597	70	80	96	rBV3	403655	635071	86.91%	10.388%
4	1.668	96	102	108	rVB	13067	14089	1.93%	0.230%
5	1.742	118	125	136	rVB	62766	73186	10.02%	1.197%
6	1.922	169	181	195	rBV2	61221	90776	12.42%	1.485%
7	2.006	197	207	219	rVB	53583	73592	10.07%	1.204%
8	2.166	247	257	265	rBV	140117	194433	26.61%	3.180%
9	2.224	265	275	294	rVB4	102586	215573	29.50%	3.526%
10	2.330	300	308	321	rVB2	14488	20835	2.85%	0.341%
11	2.430	327	339	348	rBV	43874	68836	9.42%	1.126%
12	2.481	348	355	366	rVB3	9614	14365	1.97%	0.235%
13	2.581	372	386	399	rBV2	81908	137007	18.75%	2.241%
14	2.874	467	477	488	rVB5	4198	7327	1.00%	0.120%
15	2.996	497	515	532	rBV8	14634	49253	6.74%	0.806%
16	3.102	542	548	556	rVB3	6432	10590	1.45%	0.173%
17	3.153	556	564	574	rVB4	5872	10591	1.45%	0.173%
18	3.382	619	635	649	rVB3	9981	22742	3.11%	0.372%
19	3.607	688	705	722	rVV2	41563	100555	13.76%	1.645%
20	3.716	722	739	757	rVB3	12911	31473	4.31%	0.515%
21	3.848	767	780	791	rBV5	7255	17151	2.35%	0.281%
22	3.928	794	805	818	rVB5	5376	12510	1.71%	0.205%
23	4.218	877	895	910	rBV6	12064	28989	3.97%	0.474%
24	4.665	1015	1034	1072	rBV2	54200	215787	29.53%	3.530%
25	4.832	1075	1086	1104	rVB4	8884	23760	3.25%	0.389%
26	5.086	1150	1165	1188	rVB	72592	174149	23.83%	2.849%
27	5.391	1250	1260	1270	rBV7	3707	8380	1.15%	0.137%
28	5.610	1316	1328	1339	rVB5	5808	11634	1.59%	0.190%
29	5.745	1347	1370	1398	rBV2	148158	408489	55.90%	6.682%
30	5.989	1427	1446	1452	rBV4	7868	16167	2.21%	0.264%
31	6.041	1452	1462	1478	rVB6	13513	34211	4.68%	0.560%
32	6.150	1486	1496	1505	rBV3	6712	12366	1.69%	0.202%
33	6.266	1518	1532	1555	rBV	148516	293558	40.18%	4.802%
34	6.571	1613	1627	1636	rBV7	7799	14153	1.94%	0.232%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

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\SOMUTR072120WMA.M
Title : TRACE VOA SOM01.0

35	6.706	1656	1669	1684	rBV	94827	185473	25.38%	3.034%
36	6.893	1713	1727	1738	rBV8	3302	7764	1.06%	0.127%
37	7.272	1834	1845	1859	rVB9	3668	7447	1.02%	0.122%
38	7.427	1878	1893	1906	rBV7	2946	8015	1.10%	0.131%
39	7.578	1923	1940	1952	rBV2	49447	88686	12.14%	1.451%
40	7.909	2028	2043	2056	rBV	175744	304302	41.65%	4.978%
41	7.980	2056	2065	2074	rVB2	18428	29298	4.01%	0.479%
42	8.189	2119	2130	2152	rBV	29415	55568	7.60%	0.909%
43	8.645	2259	2272	2306	rBV	237733	465870	63.76%	7.621%
44	8.793	2309	2318	2332	rVB4	8416	14849	2.03%	0.243%
45	9.423	2502	2514	2530	rBV	209199	348877	47.75%	5.707%
46	9.571	2552	2560	2569	rBV2	5391	7643	1.05%	0.125%
47	9.697	2589	2599	2607	rBV3	8439	13393	1.83%	0.219%
48	10.102	2716	2725	2739	rBV2	7905	12491	1.71%	0.204%
49	10.758	2918	2929	2942	rVB	76052	121169	16.58%	1.982%
50	11.809	3241	3256	3270	rVB	201254	328509	44.96%	5.374%
51	12.188	3361	3374	3388	rBV2	178834	290781	39.80%	4.756%

Sum of corrected areas: 6113349

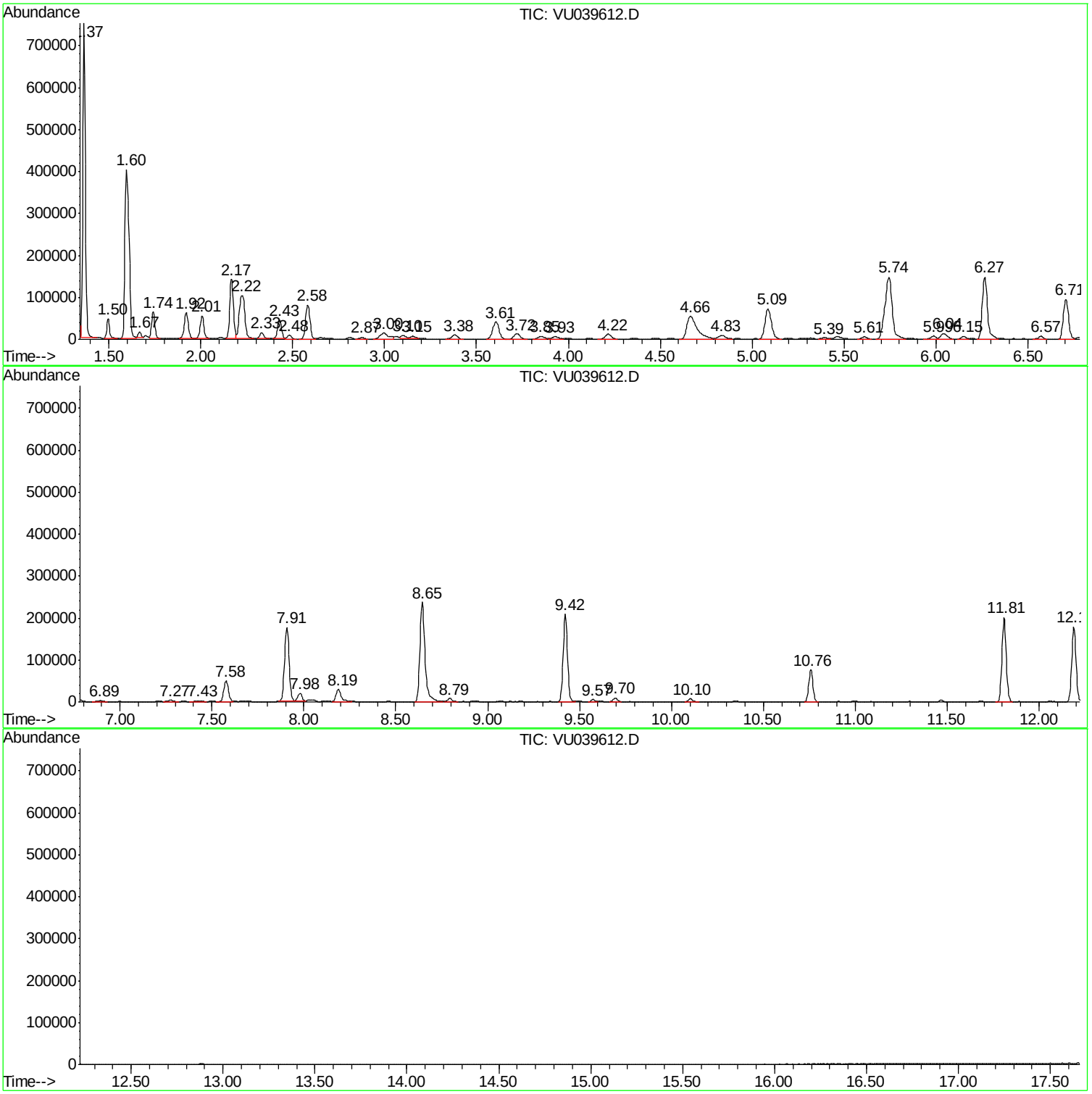
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.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\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

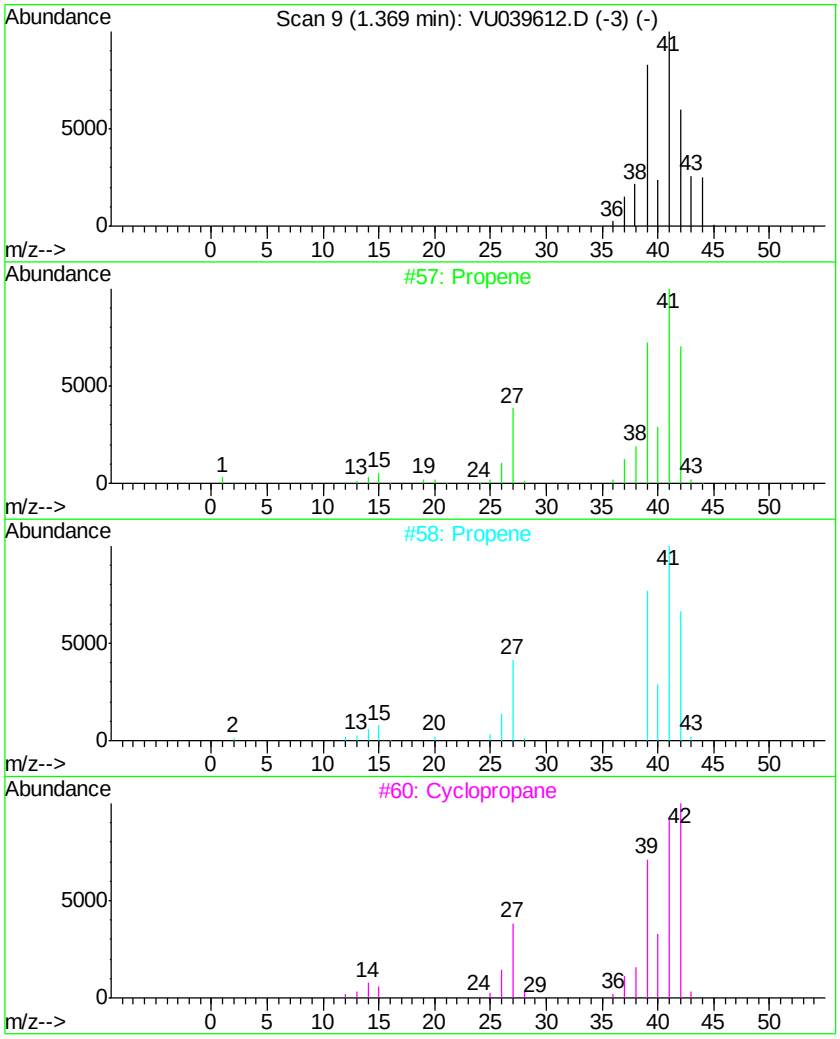
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

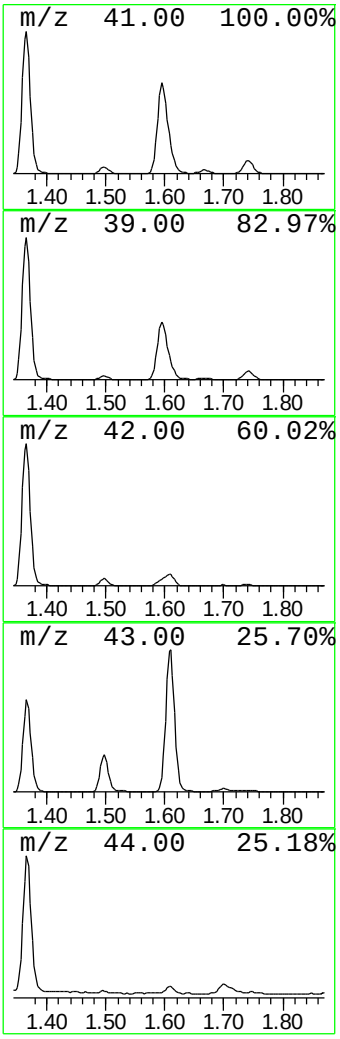
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	12.45 ug/L	730688	1,4-Difluorobenzene	6.27

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	Cyclopropane	42	C3H6	000075-19-4	7
5	Cyclopropene	40	C3H4	002781-85-3	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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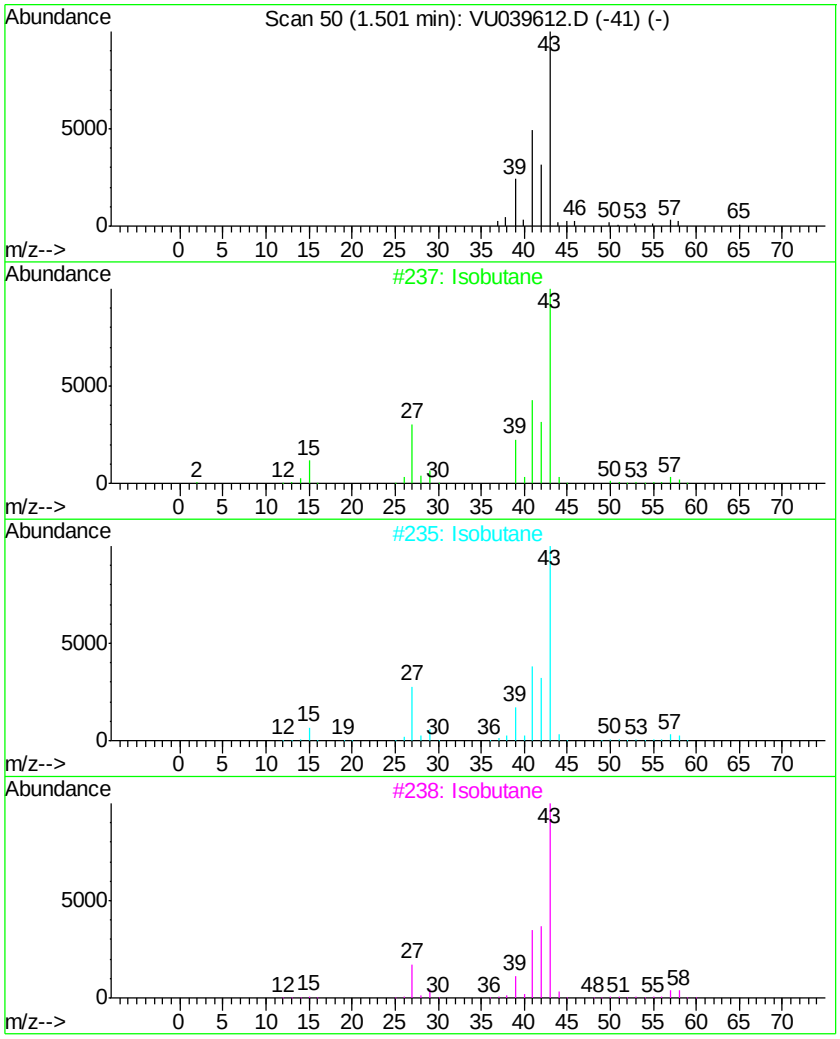
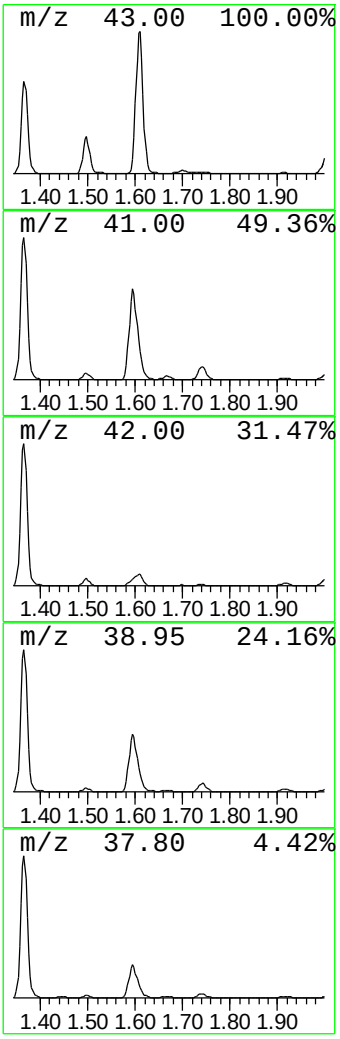
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	0.87 ug/L	50928	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	53
2	Isobutane	58	C4H10	000075-28-5	53
3	Isobutane	58	C4H10	000075-28-5	50
4	Isobutane	58	C4H10	000075-28-5	42
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

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

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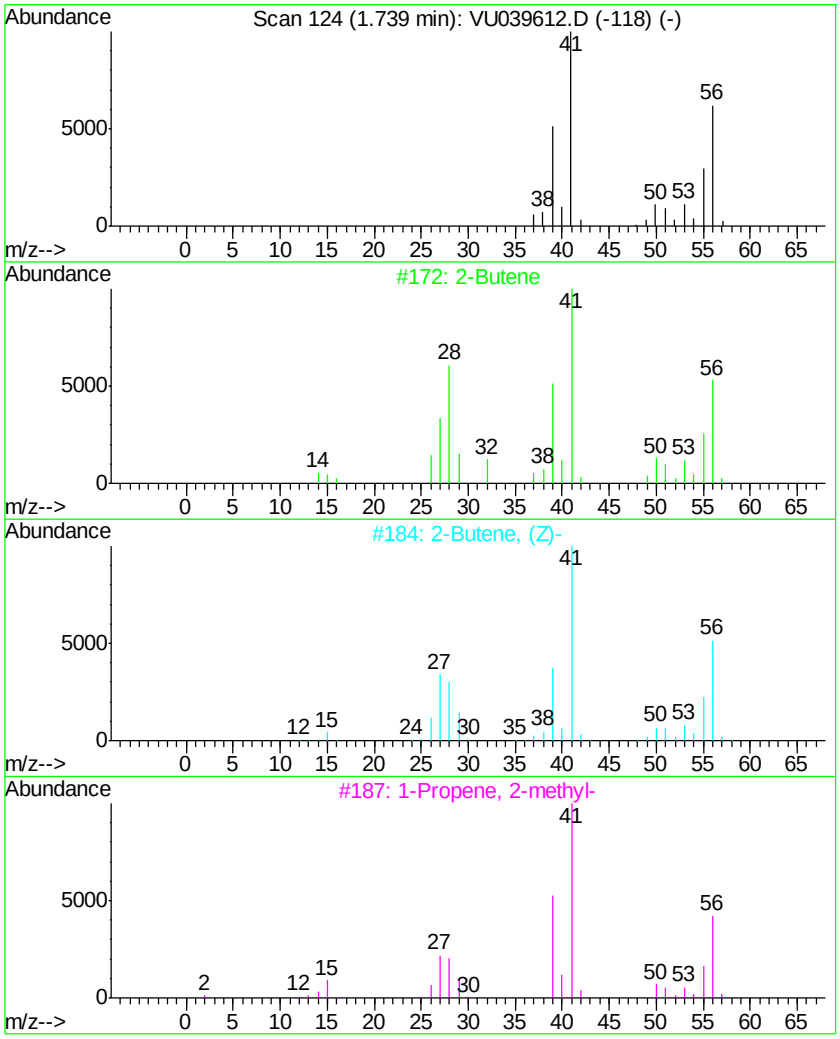
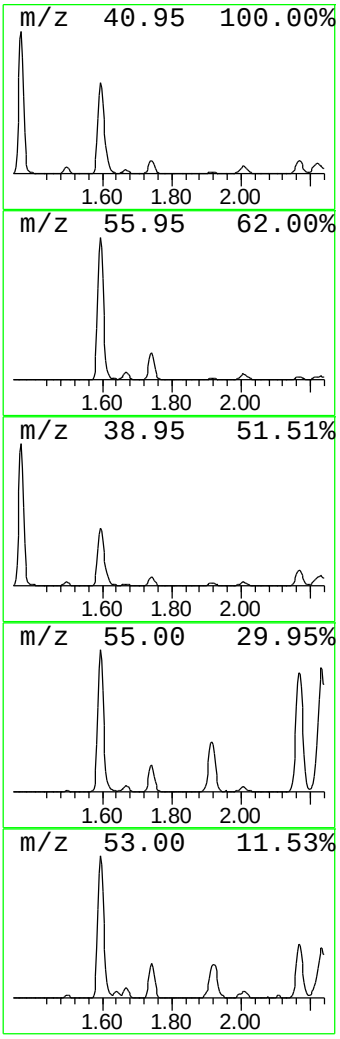
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.74	1.25 ug/L	73186	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene	56	C4H8	000107-01-7	68
2	2-Butene, (Z)-	56	C4H8	000590-18-1	64
3	1-Propene, 2-methyl-	56	C4H8	000115-11-7	59
4	2-Butene	56	C4H8	000107-01-7	58
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

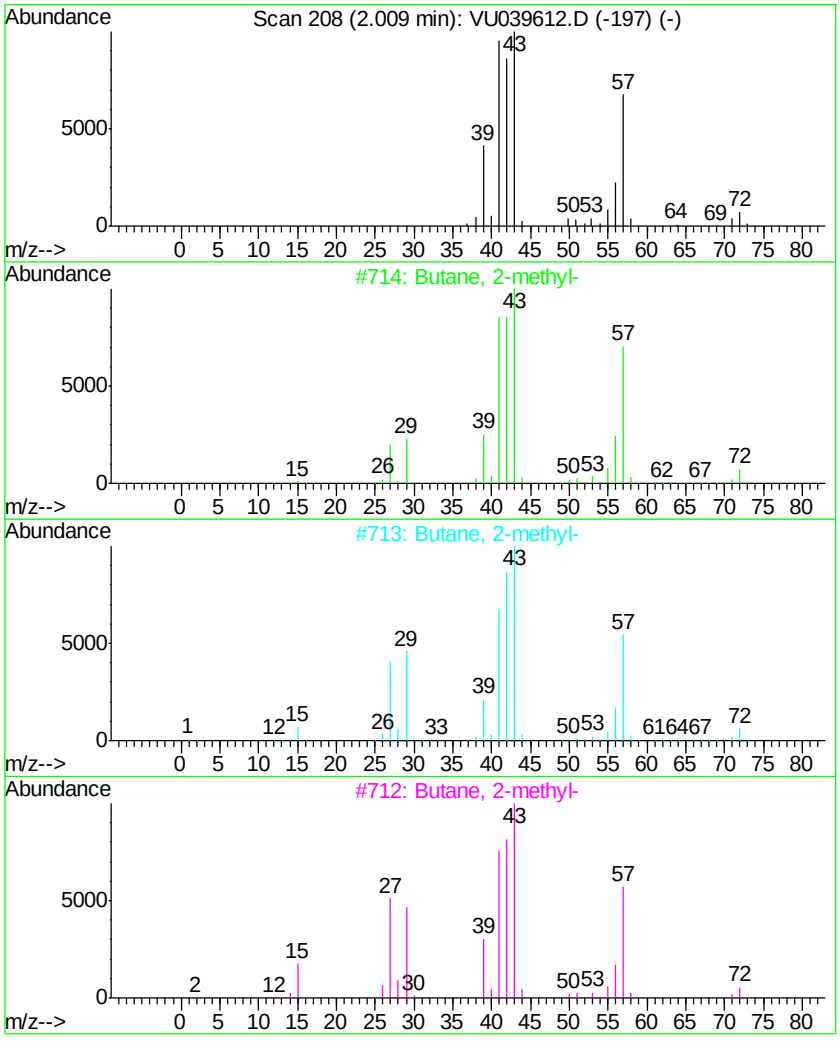
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

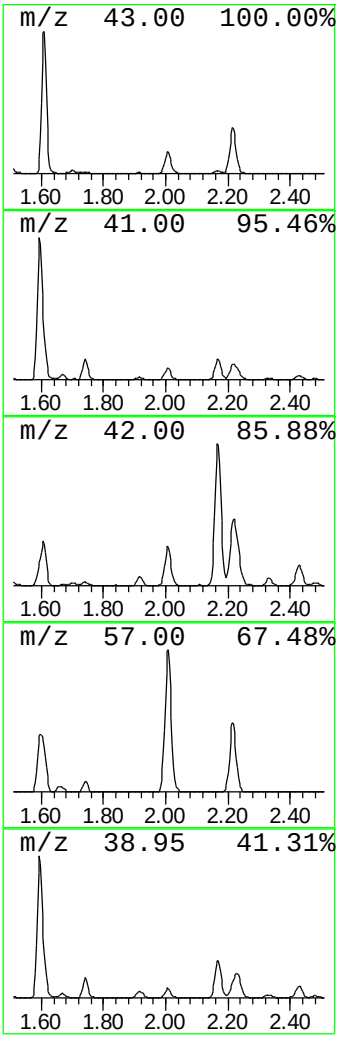
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	1.25 ug/L	73592	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	81
2	Butane, 2-methyl-	72	C5H12	000078-78-4	72
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	3-Buten-1-ol	72	C4H8O	000627-27-0	33
5	Pentane	72	C5H12	000109-66-0	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

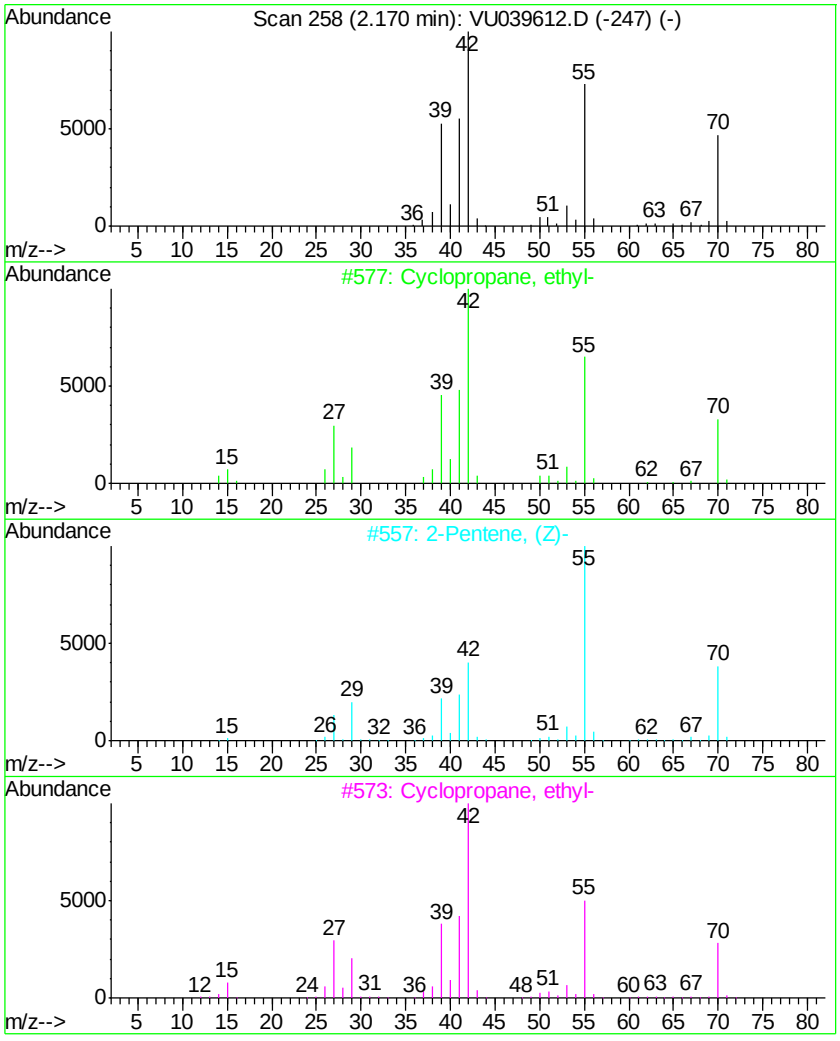
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

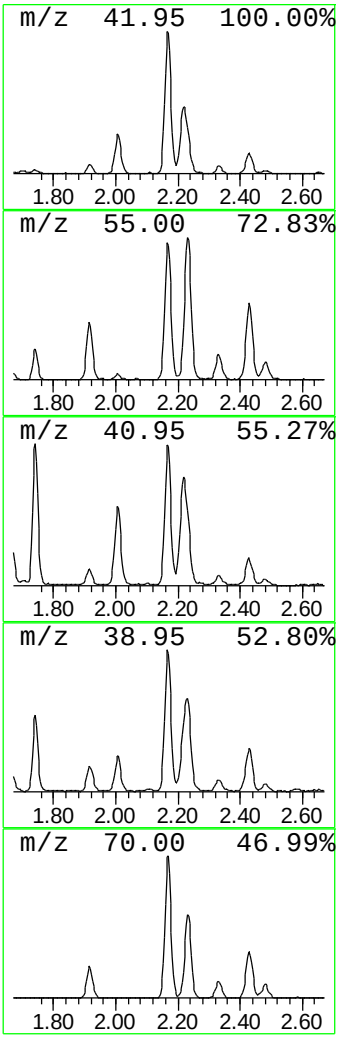
****

Peak Number 5 (DEL) Alkane: Cyclic2.17 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	3.31 ug/L	194433	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	87
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
4	1-Pentene	70	C5H10	000109-67-1	68
5	1-Pentene	70	C5H10	000109-67-1	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

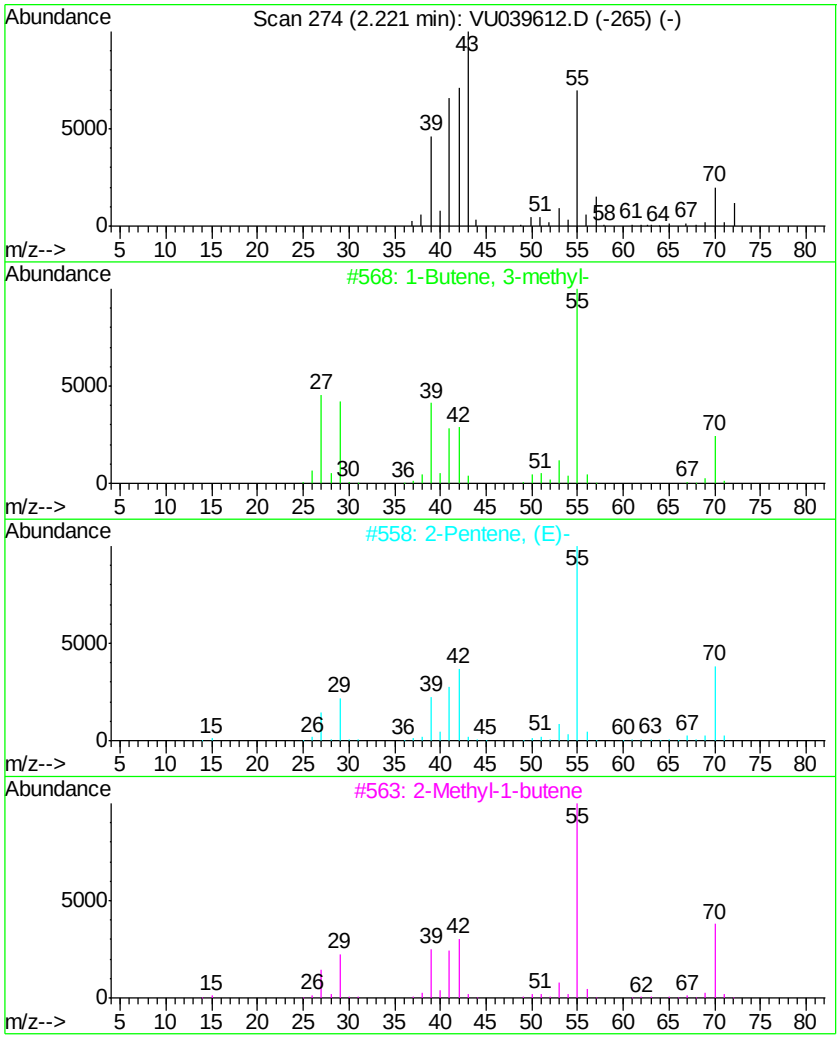
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

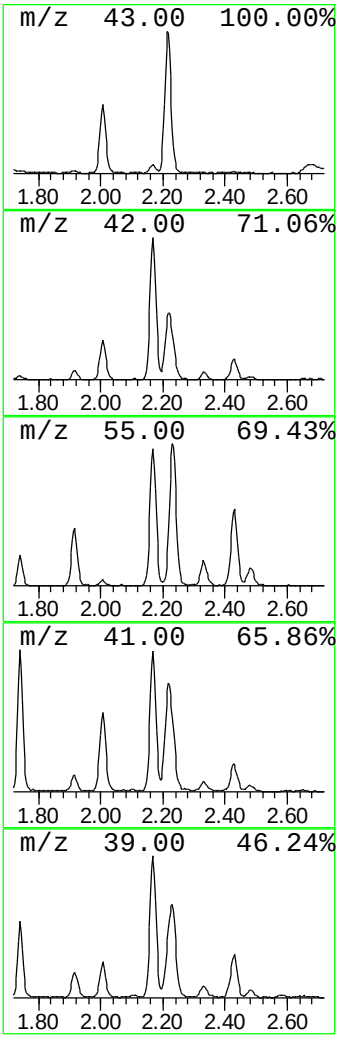
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	3.67 ug/L	215573	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 3-methyl-	70	C5H10	000563-45-1	58
2	2-Pentene, (E)-	70	C5H10	000646-04-8	58
3	2-Methyl-1-butene	70	C5H10	000563-46-2	58
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	53
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

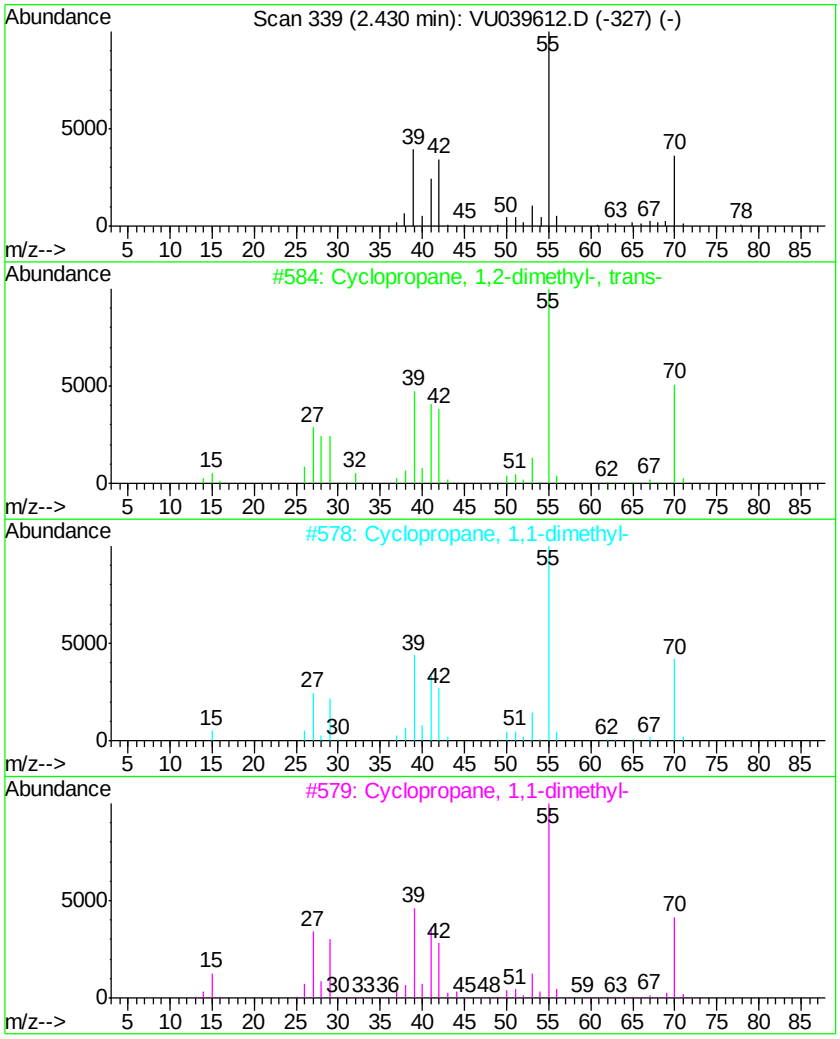
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

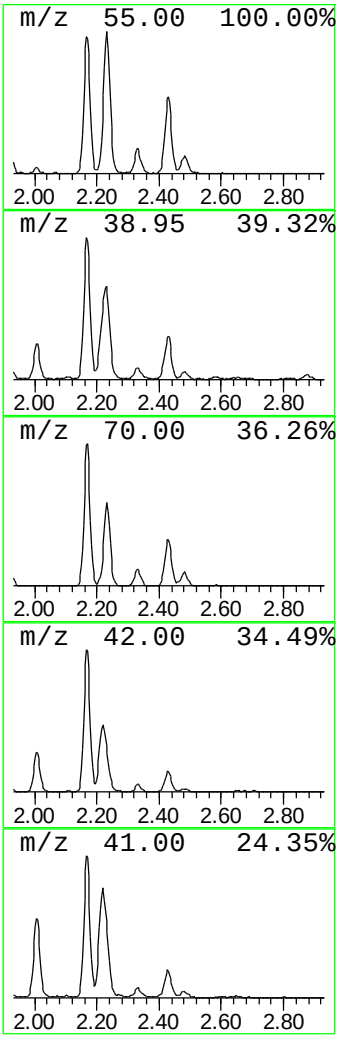
****

Peak Number 7 (DEL) Alkane: Cyclic2.43 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	1.17 ug/L	68836	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	86
4	2-Methyl-1-butene	70	C5H10	000563-46-2	86
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

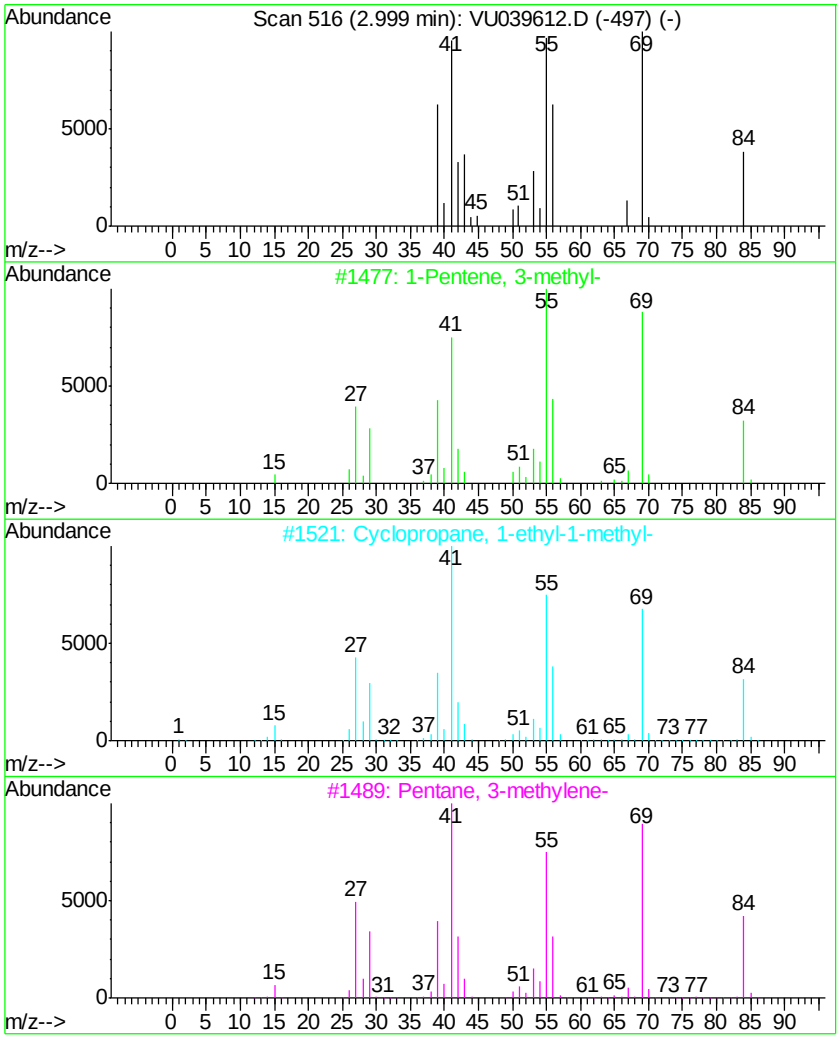
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

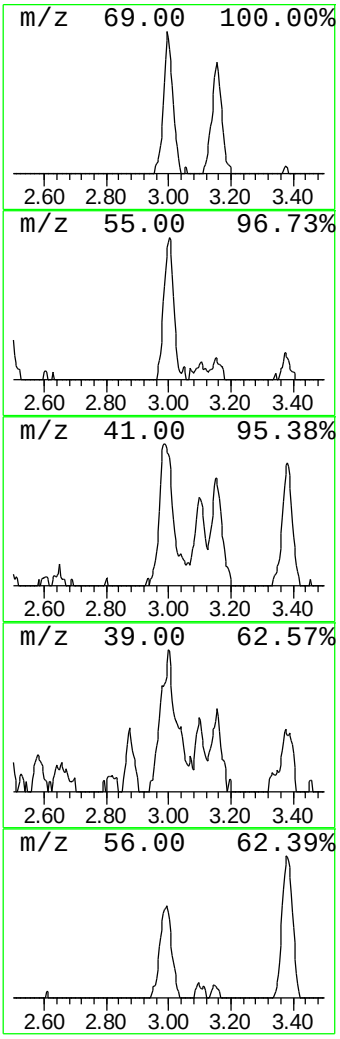
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.00	0.84 ug/L	49253	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	87
2	Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	68
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	64
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	64
5	1-Pentene, 3-methyl-	84	C6H12	000760-20-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

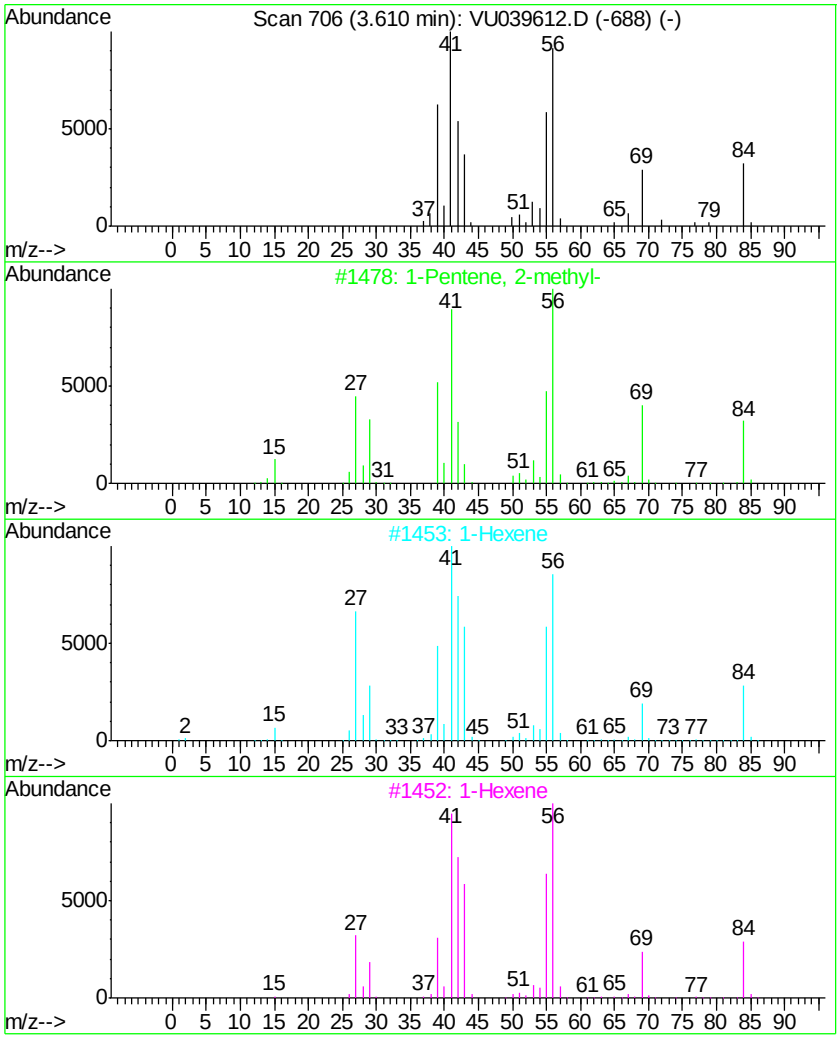
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

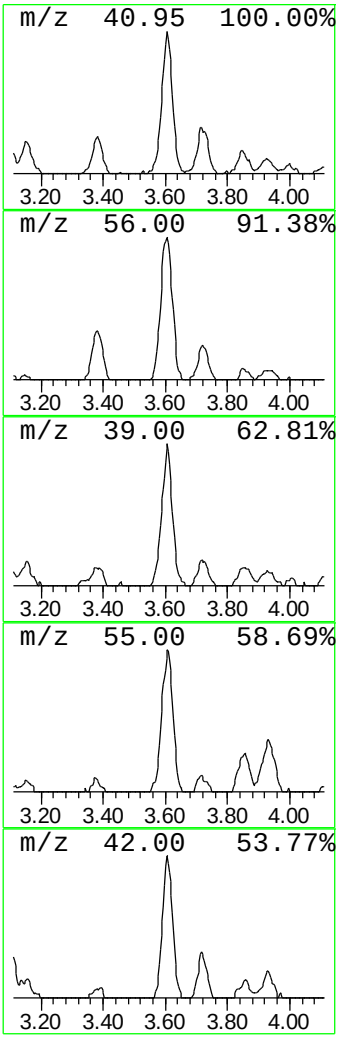
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	1.71 ug/L	100555	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	83
2	1-Hexene	84	C6H12	000592-41-6	72
3	1-Hexene	84	C6H12	000592-41-6	64
4	2H-Pyran-2-one, tetrahydro-3,6-d...	128	C7H12O2	003720-22-7	59
5	3-Hexene, (E)-	84	C6H12	013269-52-8	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

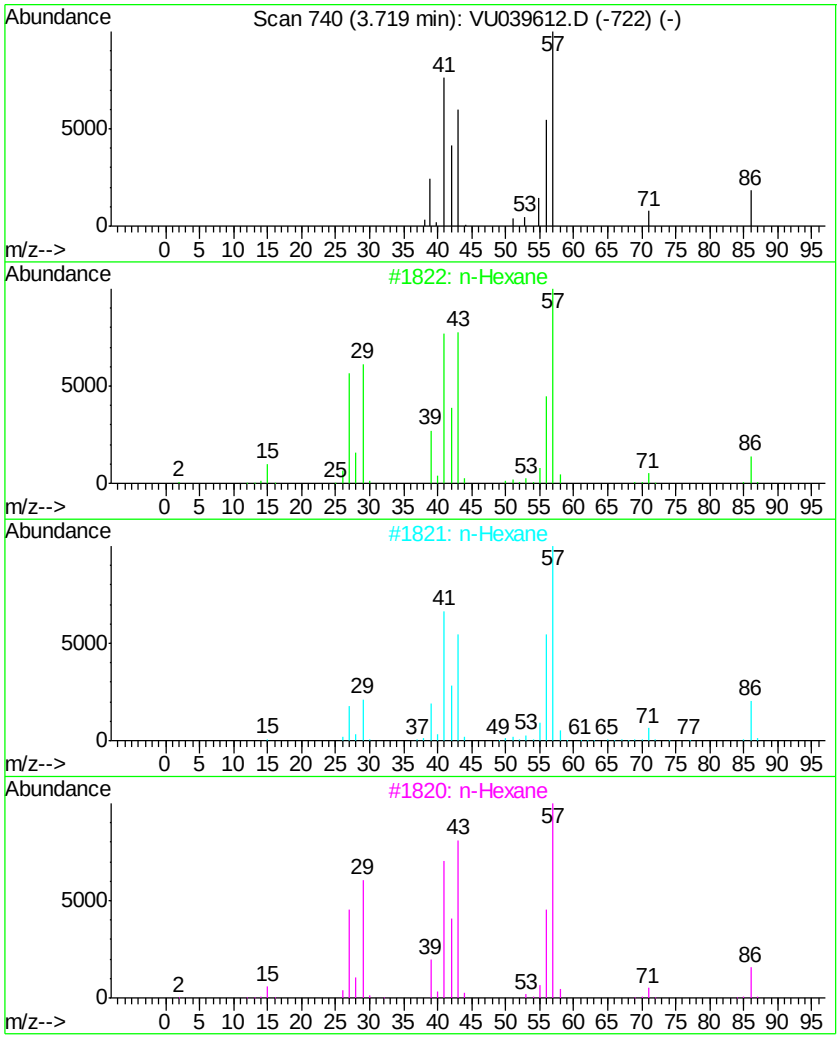
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

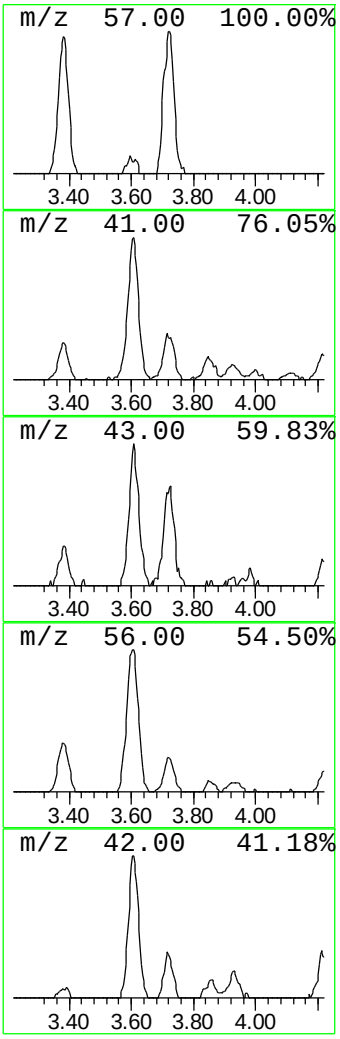
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	0.54 ug/L	31473	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	83
2	n-Hexane	86	C6H14	000110-54-3	72
3	n-Hexane	86	C6H14	000110-54-3	59
4	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	43
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

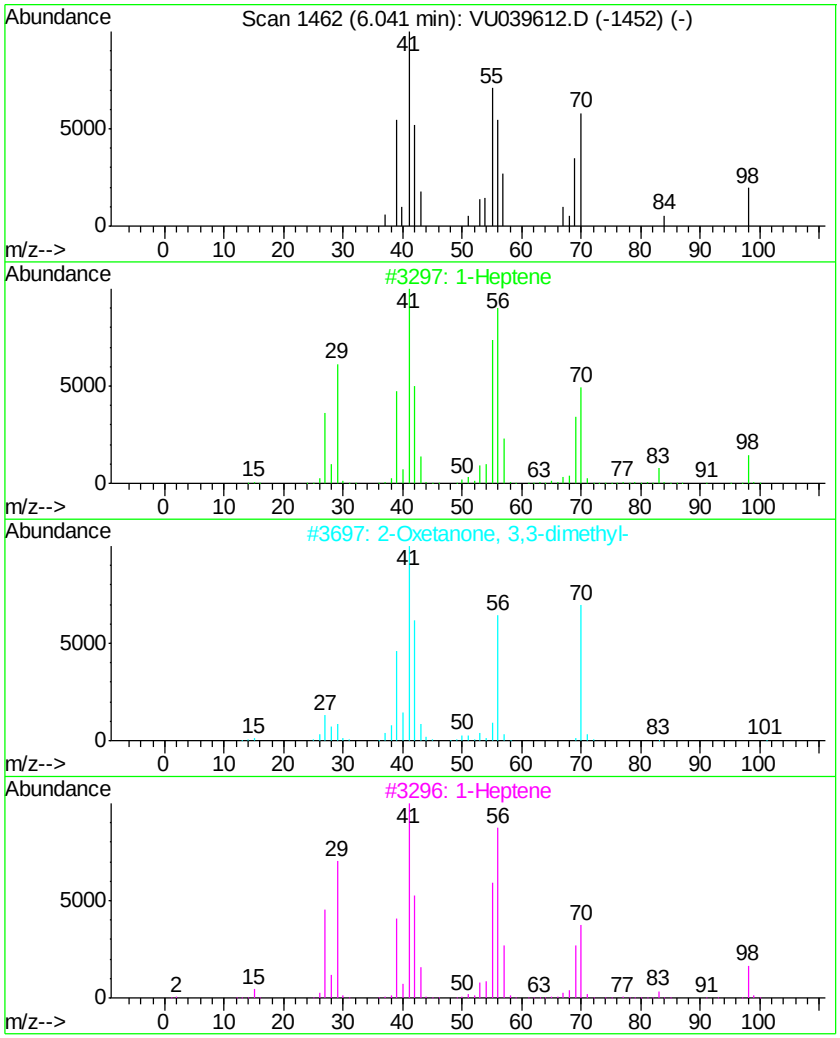
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
Quant Title : TRACE VOA SOM01.0

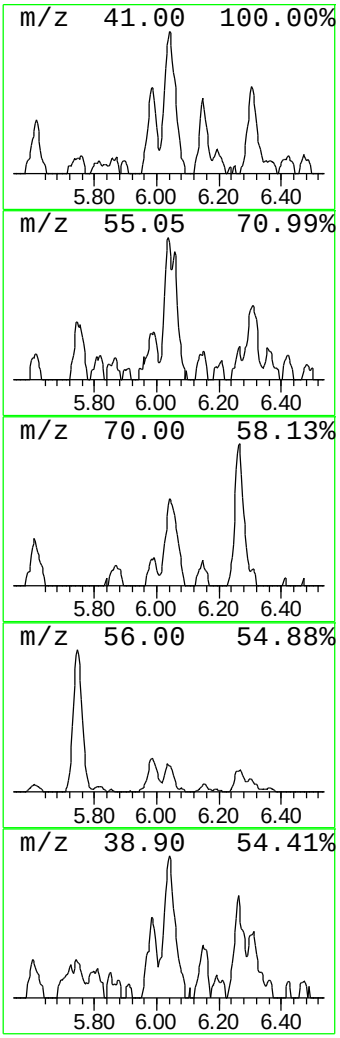
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	0.58 ug/L	34211	1,4-Difluorobenzene	6.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptene	98	C7H14	000592-76-7	76
2	2-Oxetanone, 3,3-dimethyl-	100	C5H8O2	001955-45-9	59
3	1-Heptene	98	C7H14	000592-76-7	58
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53
5	Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072120\
Data File : VU039612.D
Acq On : 21 Jul 2020 21:10
Operator : SY/MD
Sample : L3347-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAY00

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.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...	1.37	12.4	ug/L	730688	1	6.27	293558	5.0
(DEL) Alkane: Str...	1.50	0.9	ug/L	50928	1	6.27	293558	5.0
(DEL) Alkane: Str...	1.74	1.3	ug/L	73186	1	6.27	293558	5.0
(DEL) Alkane: Str...	2.01	1.3	ug/L	73592	1	6.27	293558	5.0
(DEL) Alkane: Cyc...	2.17	3.3	ug/L	194433	1	6.27	293558	5.0
(DEL) Alkane: Str...	2.22	3.7	ug/L	215573	1	6.27	293558	5.0
(DEL) Alkane: Cyc...	2.43	1.2	ug/L	68836	1	6.27	293558	5.0
(DEL) Alkane: Str...	3.00	0.8	ug/L	49253	1	6.27	293558	5.0
(DEL) Alkane: Str...	3.61	1.7	ug/L	100555	1	6.27	293558	5.0
(DEL) Alkane: Str...	3.72	0.5	ug/L	31473	1	6.27	293558	5.0
(DEL) Alkane: Str...	6.04	0.6	ug/L	34211	1	6.27	293558	5.0