LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SFAMVLM080122WMA.M
Title : VOC Analysis

Signal : TIC: VV027147.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.105	13	20	44	rBV	1351782	1409264	35.90%	5.559%
2	1.198	44	49	59	rVB2	58101	60871	1.55%	0.240%
3	1.304	75	82	112	rVB	345366	426295	10.86%	1.682%
4	1.558	154	161	170	rBV	181113	205303	5.23%	0.810%
5	2.098	319	329	342	rVB	645249	907580	23.12%	3.580%
6	2.500	445	454	472	rVB4	14933	28382	0.72%	0.112%
7	2.613	479	489	506	rBV2	25152	52770	1.34%	0.208%
8	2.812	548	551	558	rVB2	497	483	0.01%	0.002%
9	2.847	558	562	565	rBV	337	302	0.01%	0.001%
10	2.966	593	599	600	rBV3	492	338	0.01%	0.001%
11	3.011	610	613	615	rVV2	475	356	0.01%	0.001%
12	3.024	615	617	623	rVB2	680	577	0.01%	0.002%
13	3.195	668	670	675	rVB4	480	400	0.01%	0.002%
14	3.314	704	707	714	rBV3	319	334	0.01%	0.001%
15	3.423	736	741	746	rBV2	396	495	0.01%	0.002%
16	3.558	780	783	785	rBV	423	330	0.01%	0.001%
17	3.700	825	827	832	rVB3	701	368	0.01%	0.001%
18	3.880	873	883	933	rBV	178413	575234	14.66%	2.269%
19	4.214	985	987	991	rBV3	683	460	0.01%	0.002%
20	4.249	996	998	1002	rVB2	790	378	0.01%	0.001%
21	4.339	1010	1026	1064	rBV	406023	1015877	25.88%	4.007%
22	4.568	1092	1097	1098	rBV	413	359	0.01%	0.001%
23	4.735	1146	1149	1153	rBV2	675	489	0.01%	0.002%
24	4.844	1178	1183	1186	rVB3	356	300	0.01%	0.001%
25	5.040	1227	1244	1256	rBV2	996562	2550587	64.98%	10.061%
26	5.458	1371	1374	1378	rVB3	566	336	0.01%	0.001%
27	5.481	1378	1381	1382	rBV3	527	365	0.01%	0.001%
28	5.613	1409	1422	1456	rBV	683867	1403664	35.76%	5.537%
29	5.902	1500	1512	1532	rBV4	29674	70870	1.81%	0.280%
30	6.063	1549	1562	1583	rBV	553356	1137997	28.99%	4.489%
31	6.330	1640	1645	1646	rBV3	622	459	0.01%	0.002%
32	6.375	1646	1659	1682	rVV	79826	165688	4.22%	0.654%
33	6.506	1697	1700	1702	rBV3	576	401	0.01%	0.002%
34	6.535	1706	1709	1711	rBV2	509	363	0.01%	0.001%
35	6.590	1723	1726	1729	rBV2	599	433	0.01%	0.002%
36	6.638	1733	1741	1743	rBV5	1775	2316	0.06%	0.009%

LSC Area Percent Report

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Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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\SFAMVLM080122WMA.M
Title : VOC Analysis

37	6.712	1757	1764	1765	rVV3	375	397	0.01%	0.002%
38	6.728	1766	1769	1773	rVV4	1077	951	0.02%	0.004%
39	6.748	1773	1775	1778	rVV3	711	372	0.01%	0.001%
40	6.899	1809	1822	1838	rBV	274898	522429	13.31%	2.061%
41	6.982	1838	1848	1873	rVB	305155	553910	14.11%	2.185%
42	7.175	1905	1908	1911	rBV2	610	290	0.01%	0.001%
43	7.230	1922	1925	1927	rBV2	731	456	0.01%	0.002%
44	7.314	1938	1951	1970	rBV	1129596	1974681	50.31%	7.789%
45	7.410	1971	1981	2005	rVB	219079	418708	10.67%	1.652%
46	7.619	2036	2046	2072	rBV	201418	352542	8.98%	1.391%
47	7.793	2092	2100	2103	rBV6	2558	3429	0.09%	0.014%
48	7.941	2142	2146	2149	rVB4	478	419	0.01%	0.002%
49	8.008	2149	2167	2183	rBV	2387466	3925071	100.00%	15.483%
50	8.088	2183	2192	2236	rVB	650897	1287299	32.80%	5.078%
51	8.384	2282	2284	2289	rVB6	949	686	0.02%	0.003%
52	8.445	2299	2303	2312	rVV5	1982	2663	0.07%	0.011%
53	8.481	2312	2314	2317	rVB3	740	425	0.01%	0.002%
54	8.542	2328	2333	2336	rVB3	592	527	0.01%	0.002%
55	8.561	2336	2339	2341	rBV2	613	401	0.01%	0.002%
56	8.613	2350	2355	2356	rBV3	860	652	0.02%	0.003%
57	8.850	2416	2429	2466	rBV	1030445	1725692	43.97%	6.807%
58	9.166	2524	2527	2532	rBV4	638	542	0.01%	0.002%
59	9.304	2568	2570	2573	rVB2	562	318	0.01%	0.001%
60	9.391	2586	2597	2608	rBV3	6296	10371	0.26%	0.041%
61	9.455	2612	2617	2620	rBV4	494	406	0.01%	0.002%
62	9.564	2647	2651	2654	rVB2	351	305	0.01%	0.001%
63	9.609	2660	2665	2667	rBV	583	431	0.01%	0.002%
64	9.844	2734	2738	2745	rBV2	364	460	0.01%	0.002%
65	10.079	2806	2811	2814	rBV4	641	730	0.02%	0.003%
66	10.114	2819	2822	2825	rVB3	439	295	0.01%	0.001%
67	10.214	2840	2853	2876	rBV	830835	1301750	33.17%	5.135%
68	10.403	2907	2912	2920	rVB6	1195	1724	0.04%	0.007%
69	10.439	2920	2923	2930	rBV3	297	349	0.01%	0.001%
70	10.850	3039	3051	3052	rBV4	673	1048	0.03%	0.004%
71	10.973	3083	3089	3094	rBV4	815	963	0.02%	0.004%
72	11.011	3098	3101	3105	rBV2	536	338	0.01%	0.001%
73	11.172	3142	3151	3154	rBV5	2339	2628	0.07%	0.010%
74	11.246	3162	3174	3204	rBV	925193	1457258	37.13%	5.748%
75	11.548	3265	3268	3270	rBV3	595	300	0.01%	0.001%
76	11.622	3279	3291	3322	rBV	1068919	1682583	42.87%	6.637%

LSC Area Percent Report

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Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Title : VOC Analysis

77	11.799	3343	3346	3354	rVB4	664	663	0.02%	0.003%
78	12.227	3476	3479	3483	rBV	358	343	0.01%	0.001%
79	12.307	3497	3504	3508	rBV4	694	762	0.02%	0.003%
80	12.336	3508	3513	3516	rBV2	396	329	0.01%	0.001%
81	12.400	3530	3533	3534	rBV2	704	446	0.01%	0.002%
82	12.603	3594	3596	3602	rVB2	523	470	0.01%	0.002%
83	12.699	3622	3626	3632	rVB2	507	534	0.01%	0.002%
84	12.825	3658	3665	3672	rVB7	2601	3549	0.09%	0.014%
85	12.915	3685	3693	3696	rBV3	502	632	0.02%	0.002%
86	12.972	3709	3711	3717	rVB3	490	382	0.01%	0.002%
87	13.146	3762	3765	3770	rBV3	450	462	0.01%	0.002%
88	13.265	3796	3802	3803	rBV3	645	558	0.01%	0.002%
89	13.471	3864	3866	3869	rVV2	585	305	0.01%	0.001%
90	13.519	3872	3881	3892	rVB2	1327	2308	0.06%	0.009%
91	13.677	3927	3930	3934	rBV2	430	362	0.01%	0.001%
92	13.747	3950	3952	3960	rVB4	631	734	0.02%	0.003%
93	13.905	3993	4001	4012	rBV6	9551	14395	0.37%	0.057%
94	14.021	4035	4037	4040	rBV3	550	302	0.01%	0.001%
95	14.275	4113	4116	4121	rBV2	586	588	0.01%	0.002%
96	14.818	4282	4285	4286	rBV2	745	459	0.01%	0.002%
97	14.876	4300	4303	4308	rBV4	974	1054	0.03%	0.004%
98	14.966	4324	4331	4340	rBV7	9816	14646	0.37%	0.058%
99	15.371	4452	4457	4462	rBV5	1049	1389	0.04%	0.005%
100	15.799	4581	4590	4602	rVB3	31826	49625	1.26%	0.196%

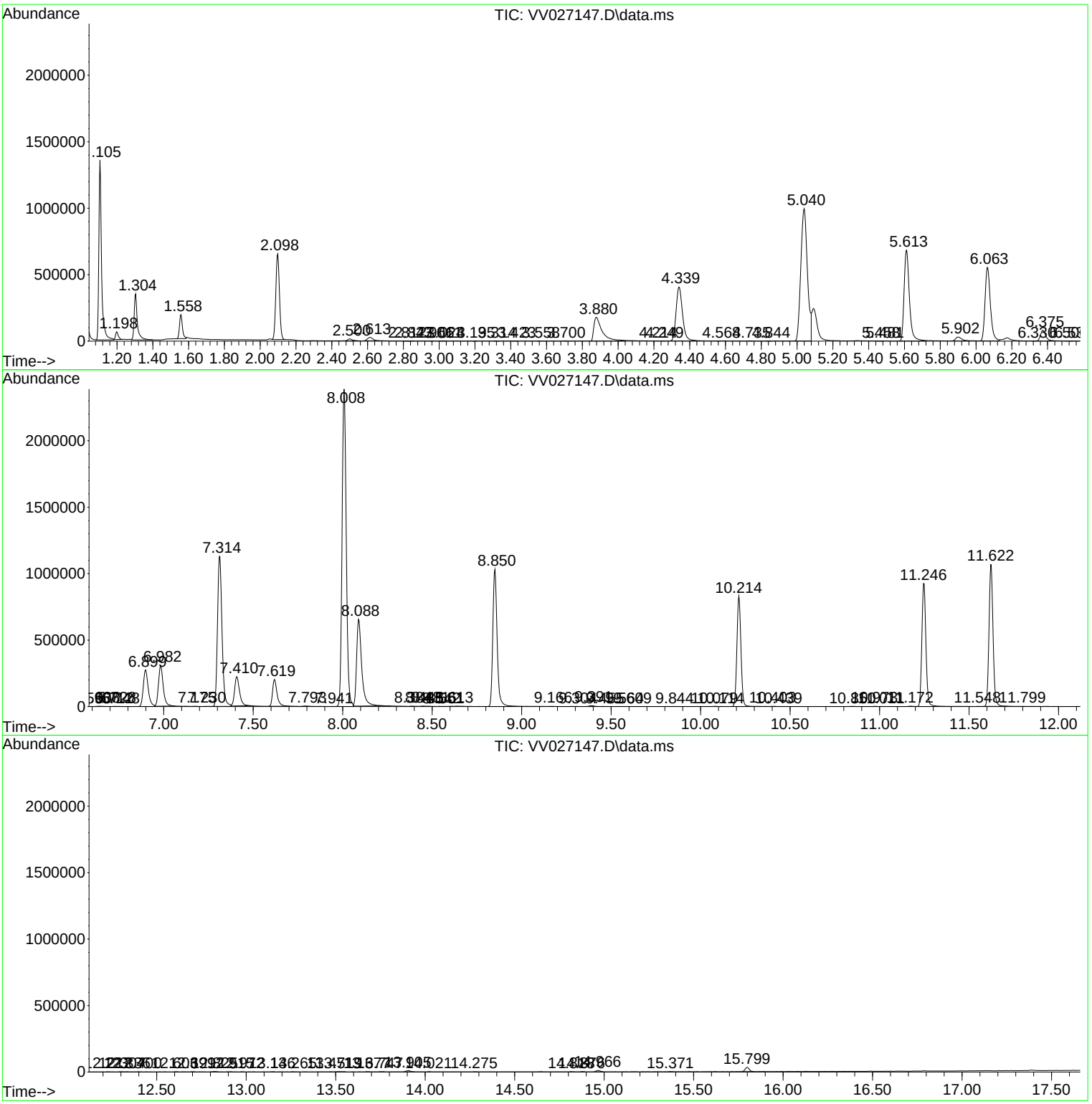
Sum of corrected areas: 25351120

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

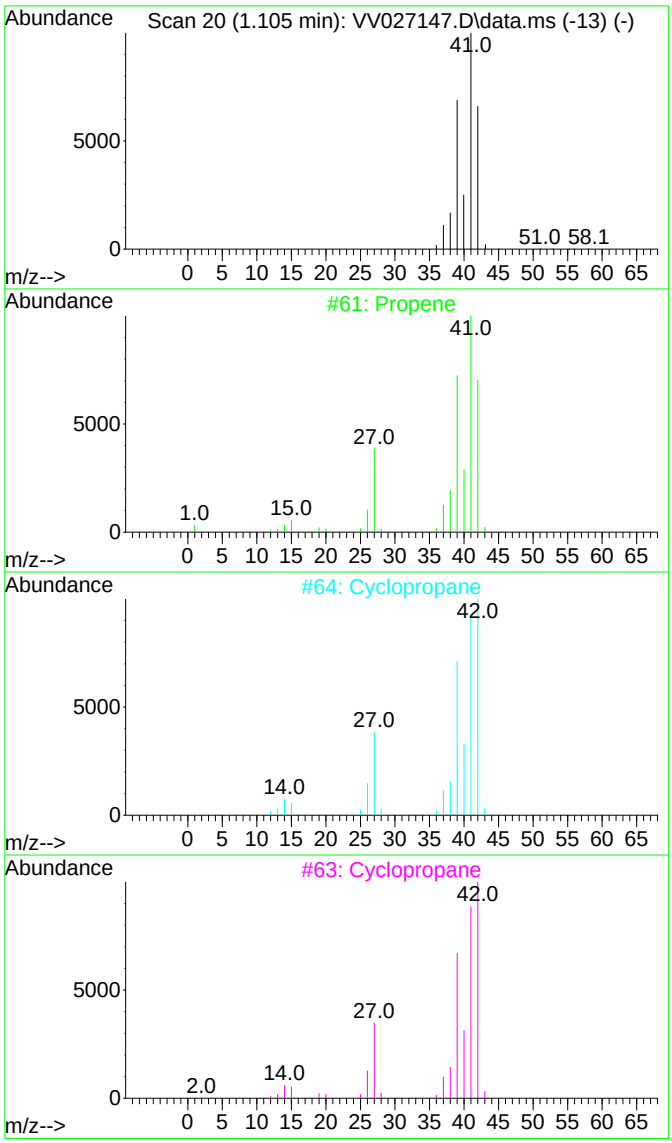
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

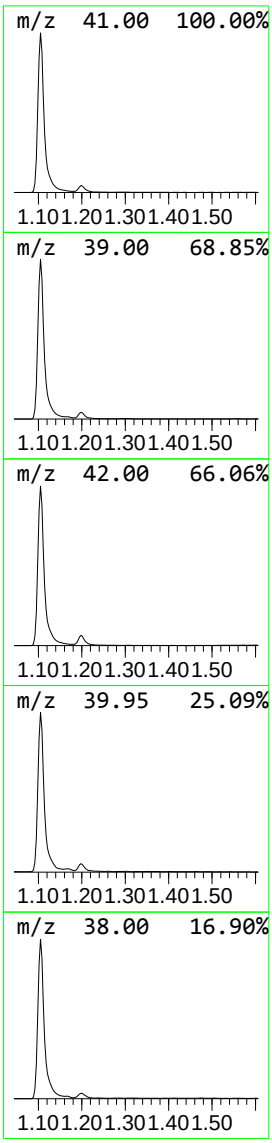
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.105	50.20 ug/L	1409260	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	86
2	Cyclopropane	42	C3H6	000075-19-4	80
3	Cyclopropane	42	C3H6	000075-19-4	72
4	Propene	42	C3H6	000115-07-1	47
5	Cyclopropene	40	C3H4	002781-85-3	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

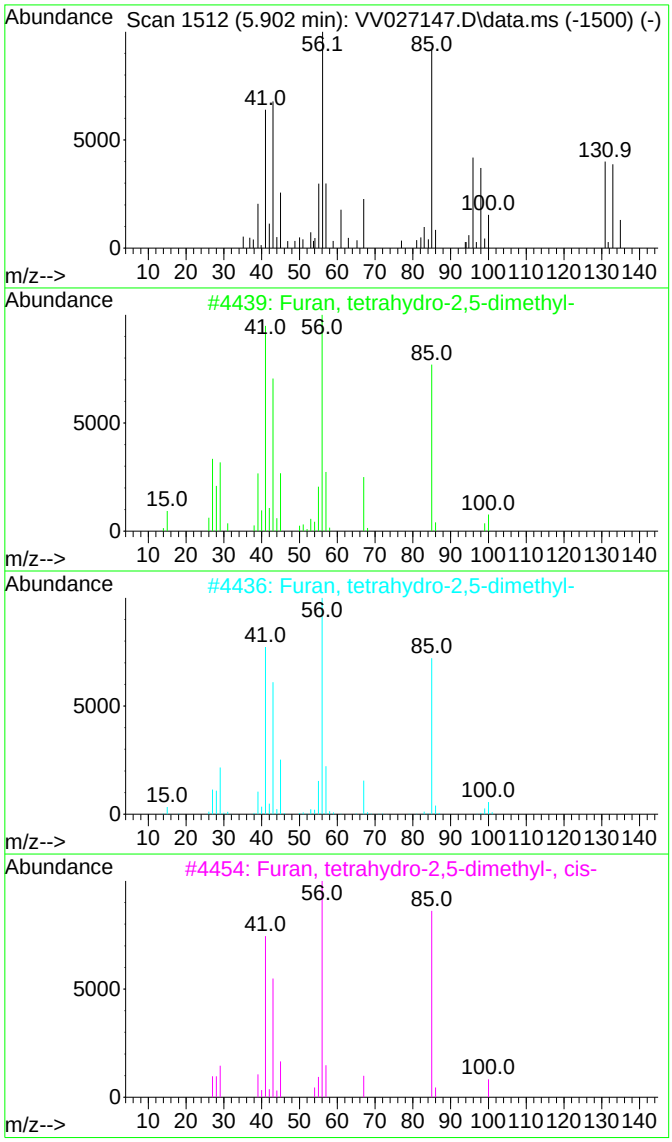
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

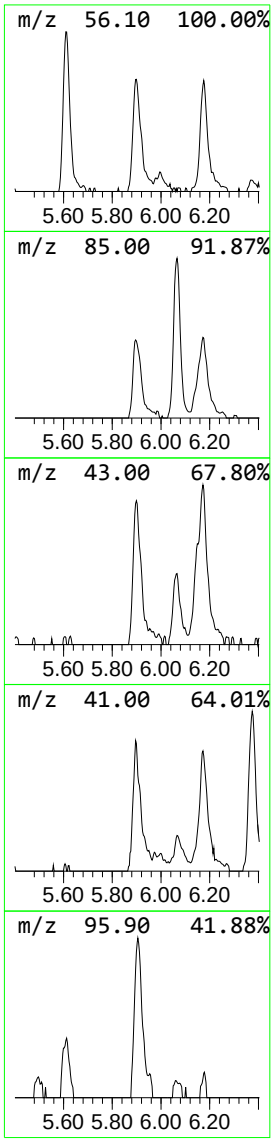
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Furan, tetrahydro-2,5-dimet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.902	2.52 ug/L	70870	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	50
2	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	49
3	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	43
4	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	38
5	2(3H)-Furanone, dihydro-5-methyl-	100	C5H8O2	000108-29-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
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Operator : SY/MD
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

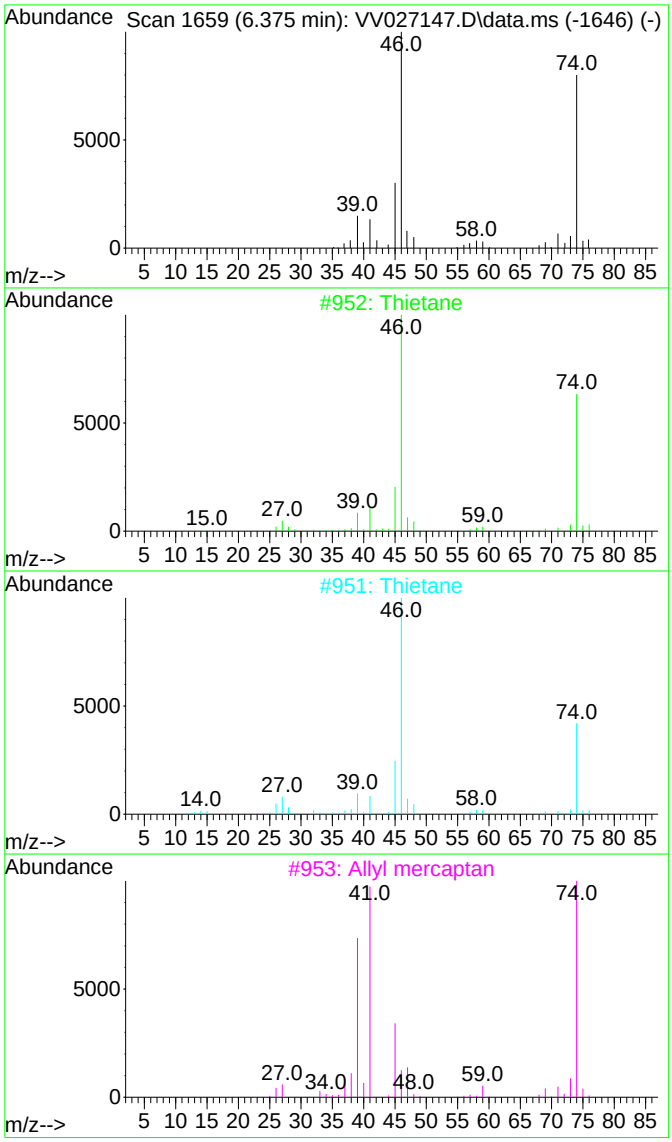
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

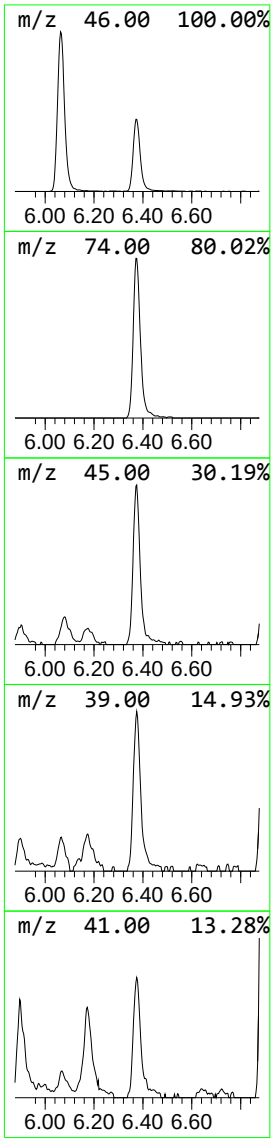
****

Peak Number 3 Thietane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.375	5.90 ug/L	165688	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thietane	74	C3H6S	000287-27-4	91
2	Thietane	74	C3H6S	000287-27-4	91
3	Allyl mercaptan	74	C3H6S	000870-23-5	32
4	Thiirane, methyl-	74	C3H6S	001072-43-1	10
5	dl-c-Allylglycine	115	C5H9NO2	007685-44-1	9





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Operator : SY/MD
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

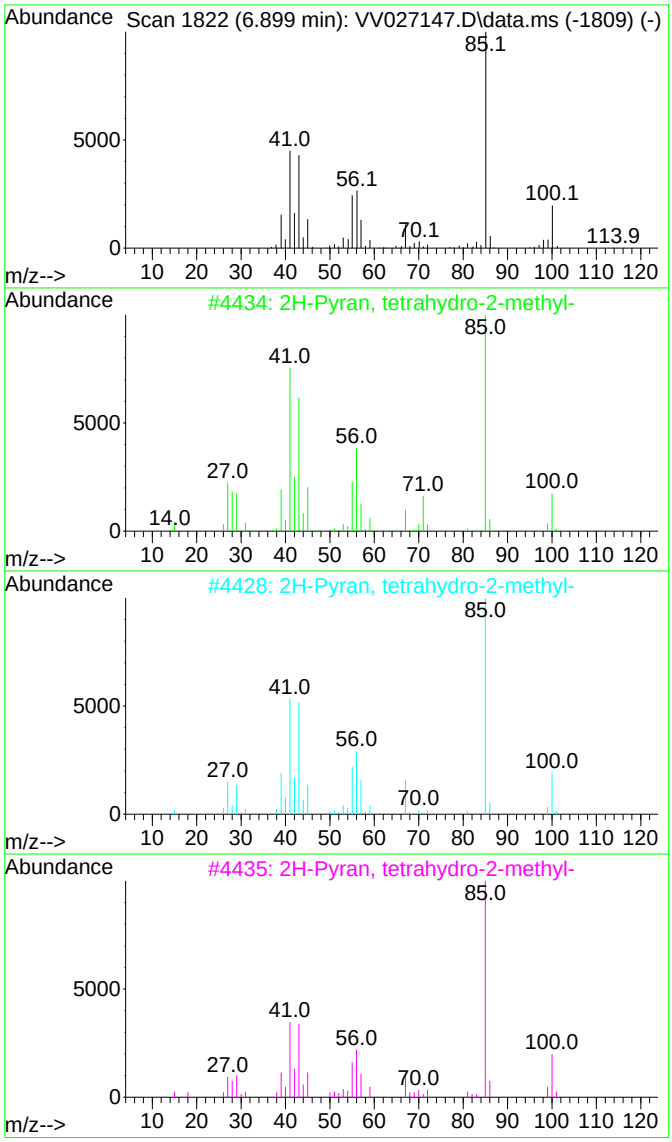
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

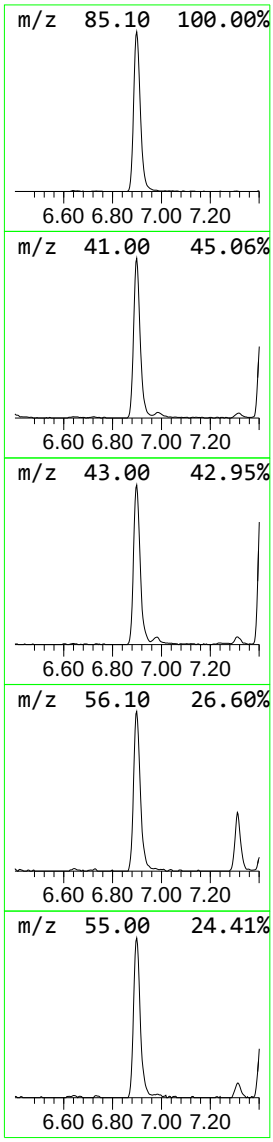
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	18.61 ug/L	522429	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	90
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	90
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	78
5	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

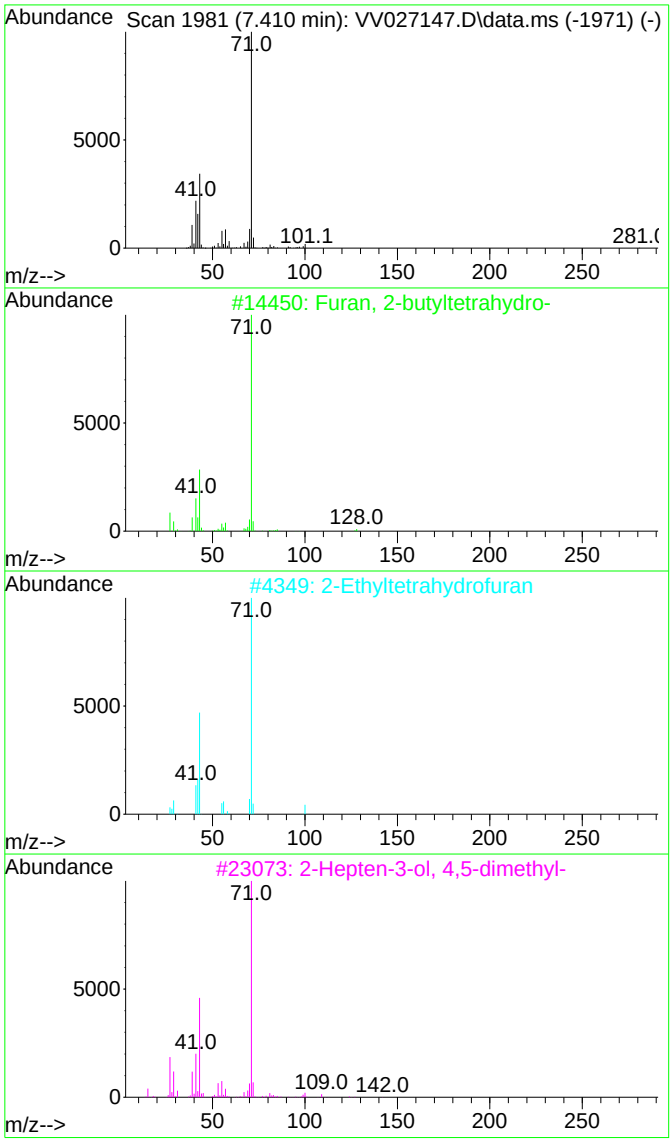
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

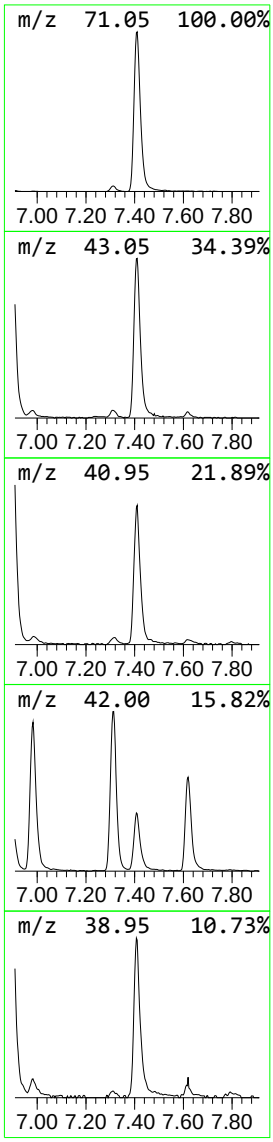
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Furan, 2-butyltetrahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.410	12.13 ug/L	418708	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	78
2	2-Ethyltetrahydrofuran	100	C6H12O	1010431-64-0	78
3	2-Hepten-3-ol, 4,5-dimethyl-	142	C9H18O	055956-37-1	72
4	Furan, 2-butyltetrahydro-	128	C8H16O	001004-29-1	64
5	Tetrahydrofurfuryl chloride	120	C5H9ClO	003003-84-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

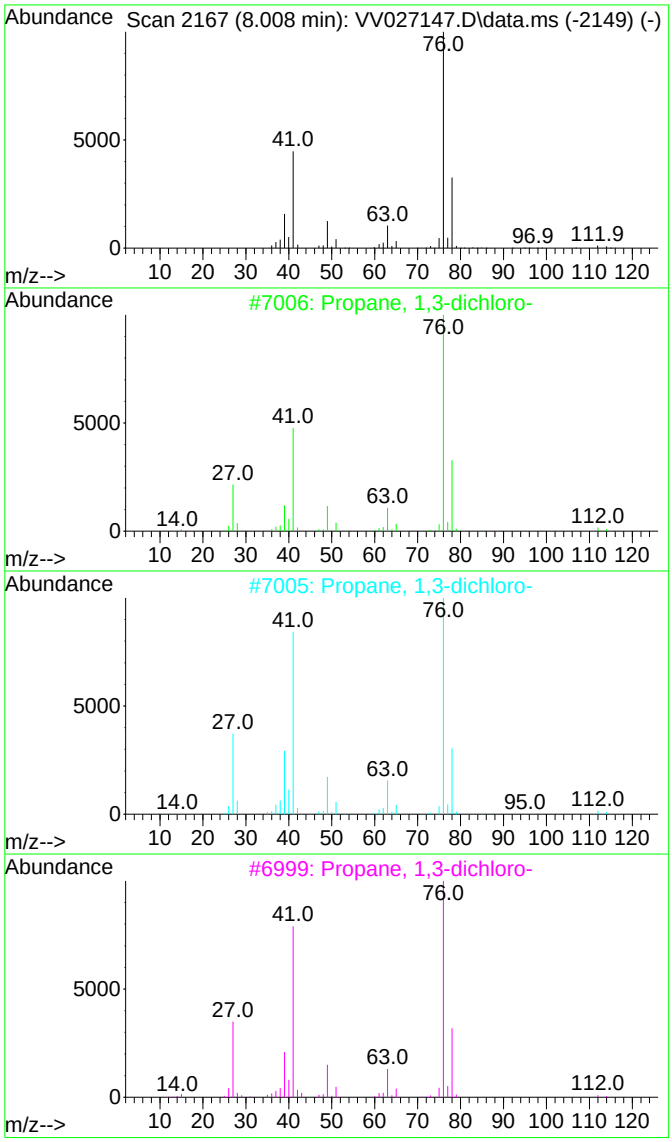
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

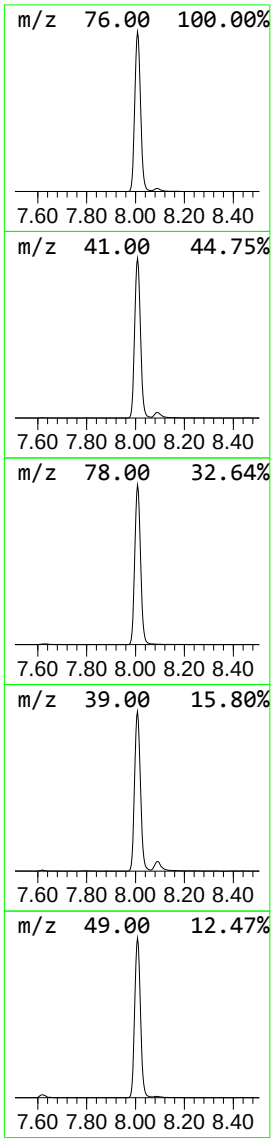
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Propane, 1,3-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.008	113.72 ug/L	3925070	Chlorobenzene-d5	8.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	94
2	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	91
3	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	83
4	Propanal, 2,3-dichloro-2-methyl-	140	C4H6Cl2O	010141-22-7	74
5	3-Chloropropyl formate	122	C4H7ClO2	001487-44-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV080122\
Data File : VV027147.D
Acq On : 02 Aug 2022 00:09
Operator : SY/MD
Sample : N3956-04DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF03DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM080122WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.105	50.2	ug/L	1409260	1	5.613	1403660	50.0
Furan, tetrahyd...	5.902	2.5	ug/L	70870	1	5.613	1403660	50.0
Thietane	6.375	5.9	ug/L	165688	1	5.613	1403660	50.0
2H-Pyran, tetra...	6.899	18.6	ug/L	522429	1	5.613	1403660	50.0
Furan, 2-butylt...	7.410	12.1	ug/L	418708	2	8.850	1725690	50.0
Propane, 1,3-di...	8.008	113.7	ug/L	3925070	2	8.850	1725690	50.0