LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

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_U\METHOD\SOMULM043020WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.369	4	9	14	rBV3	10846	11118	0.03%	0.013%
2	1.488	37	46	56	rBV3	17451	36213	0.11%	0.042%
3	1.613	74	85	95	rBV2	383631	435994	1.28%	0.500%
4	1.781	133	137	148	rVB7	8619	12037	0.04%	0.014%
5	1.929	174	183	202	rVB2	288155	431732	1.27%	0.495%
6	2.186	258	263	272	rVB3	8085	10222	0.03%	0.012%
7	2.392	323	327	345	rVB6	14013	28858	0.08%	0.033%
8	2.601	375	392	405	rBV3	866596	1718770	5.04%	1.972%
9	2.777	437	447	461	rBV2	36421	65475	0.19%	0.075%
10	3.073	530	539	547	rBV10	2909	5202	0.02%	0.006%
11	3.205	563	580	599	rBV	82933	183499	0.54%	0.211%
12	3.385	625	636	652	rVV4	13273	29437	0.09%	0.034%
13	3.909	775	799	822	rBV	3583184	8460287	24.83%	9.706%
14	4.035	823	838	858	rVB3	101203	265540	0.78%	0.305%
15	4.658	1017	1032	1044	rBV	315705	781348	2.29%	0.896%
16	4.842	1079	1089	1104	rVB2	9871	22771	0.07%	0.026%
17	5.102	1149	1170	1194	rBV	459076	1020080	2.99%	1.170%
18	5.353	1223	1248	1276	rBV	15366205	34070719	100.00%	39.086%
19	5.758	1353	1374	1421	rVB2	986269	2850016	8.37%	3.270%
20	6.279	1521	1536	1565	rBV	902119	1726065	5.07%	1.980%
21	6.568	1605	1626	1628	rBV9	17901	33550	0.10%	0.038%
22	6.719	1657	1673	1693	rBV	642539	1239442	3.64%	1.422%
23	6.944	1727	1743	1770	rVV	452568	892353	2.62%	1.024%
24	7.205	1810	1824	1832	rBV6	6162	13929	0.04%	0.016%
25	7.276	1837	1846	1857	rVB4	7169	12461	0.04%	0.014%
26	7.362	1857	1873	1898	rBV	490913	939069	2.76%	1.077%
27	7.536	1914	1927	1936	rBV	618105	1104232	3.24%	1.267%
28	7.587	1936	1943	1970	rVV	386835	689763	2.02%	0.791%
29	7.739	1973	1990	2007	rVB	407031	748105	2.20%	0.858%
30	7.922	2033	2047	2063	rBV	1167479	2084976	6.12%	2.392%
31	7.993	2064	2069	2082	rVB3	33330	55367	0.16%	0.064%
32	8.202	2121	2134	2147	rBV	250793	416290	1.22%	0.478%
33	8.420	2184	2202	2215	rVB10	13299	34037	0.10%	0.039%
34	8.504	2215	2228	2241	rVB5	6932	18707	0.05%	0.021%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

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_U\METHOD\SOMULM043020WMA.M
Title : VOC Analysis

35	8.571	2241	2249	2259	rBV5	8365	13631	0.04%	0.016%
36	8.652	2260	2274	2313	rBV	832316	1667352	4.89%	1.913%
37	8.861	2332	2339	2345	rBV6	4411	6253	0.02%	0.007%
38	8.935	2354	2362	2371	rBV8	2079	4884	0.01%	0.006%
39	9.063	2383	2402	2409	rBV8	6779	15371	0.05%	0.018%
40	9.198	2434	2444	2451	rVV8	3322	7428	0.02%	0.009%
41	9.337	2476	2487	2502	rVV4	20315	38267	0.11%	0.044%
42	9.436	2502	2518	2540	rVV	1283956	2487074	7.30%	2.853%
43	9.536	2541	2549	2559	rVV3	46604	81655	0.24%	0.094%
44	9.591	2559	2566	2580	rVV3	7515	14605	0.04%	0.017%
45	9.710	2588	2603	2616	rVV4	12784	28494	0.08%	0.033%
46	9.774	2616	2623	2633	rVB6	5455	9196	0.03%	0.011%
47	10.005	2682	2695	2705	rBV7	4727	10097	0.03%	0.012%
48	10.115	2720	2729	2746	rVB4	14362	28703	0.08%	0.033%
49	10.272	2763	2778	2797	rBV	3233143	5329614	15.64%	6.114%
50	10.359	2798	2805	2818	rVB4	50325	88403	0.26%	0.101%
51	10.510	2843	2852	2858	rBV5	18176	33043	0.10%	0.038%
52	10.558	2858	2867	2875	rBV	95351	148158	0.43%	0.170%
53	10.665	2892	2900	2910	rVB4	33581	64965	0.19%	0.075%
54	10.771	2916	2933	2944	rBV	852858	1417274	4.16%	1.626%
55	10.909	2959	2976	2983	rBV8	82969	217515	0.64%	0.250%
56	10.951	2983	2989	2997	rVB	86408	122285	0.36%	0.140%
57	11.044	2997	3018	3036	rBV	5033610	8607236	25.26%	9.874%
58	11.131	3036	3045	3052	rBV	163484	238872	0.70%	0.274%
59	11.205	3061	3068	3075	rBV	123188	169937	0.50%	0.195%
60	11.246	3075	3081	3091	rVB3	106179	160937	0.47%	0.185%
61	11.304	3091	3099	3104	rBV2	27885	40993	0.12%	0.047%
62	11.343	3104	3111	3129	rVB	76079	123665	0.36%	0.142%
63	11.484	3145	3155	3166	rBV5	32492	65530	0.19%	0.075%
64	11.578	3176	3184	3192	rVB4	11091	16330	0.05%	0.019%
65	11.645	3192	3205	3218	rBV4	32275	71336	0.21%	0.082%
66	11.719	3218	3228	3237	rBV2	43529	69039	0.20%	0.079%
67	11.822	3246	3260	3277	rVB	1360087	2181446	6.40%	2.503%
68	11.909	3277	3287	3300	rVB4	35174	57916	0.17%	0.066%
69	12.108	3333	3349	3362	rBV2	201522	340035	1.00%	0.390%
70	12.205	3366	3379	3396	rBV	1216449	2063439	6.06%	2.367%
71	12.433	3444	3450	3460	rVB6	7402	8250	0.02%	0.009%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

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_U\METHOD\SOMULM043020WMA.M
Title : VOC Analysis

72	12.507	3466	3473	3483	rBV10	3896	6429	0.02%	0.007%
73	12.581	3486	3496	3503	rBV6	7410	14200	0.04%	0.016%
74	12.623	3503	3509	3518	rVB4	13105	17417	0.05%	0.020%
75	12.693	3518	3531	3537	rBV2	12426	25149	0.07%	0.029%
76	12.796	3556	3563	3569	rBV7	4661	6569	0.02%	0.008%
77	12.886	3576	3591	3603	rBV	132296	222376	0.65%	0.255%
78	12.957	3604	3613	3617	rBV7	27827	45616	0.13%	0.052%
79	13.134	3663	3668	3673	rVV6	7488	11139	0.03%	0.013%
80	13.172	3674	3680	3693	rVV8	16713	30892	0.09%	0.035%
81	13.279	3706	3713	3728	rVV10	17614	43139	0.13%	0.049%
82	13.349	3729	3735	3749	rVB10	11438	18918	0.06%	0.022%
83	13.475	3765	3774	3785	rVB8	9511	17342	0.05%	0.020%
84	13.748	3848	3859	3870	rBV6	8325	13968	0.04%	0.016%
85	13.812	3873	3879	3887	rVB6	4617	6403	0.02%	0.007%
86	13.864	3887	3895	3902	rBV9	7000	10500	0.03%	0.012%
87	13.941	3907	3919	3921	rVV6	9999	18181	0.05%	0.021%
88	13.970	3923	3928	3937	rVB	20320	29372	0.09%	0.034%
89	14.111	3959	3972	3980	rBV2	9655	17448	0.05%	0.020%
90	14.198	3991	3999	4006	rBV9	17358	27953	0.08%	0.032%
91	14.317	4028	4036	4042	rBV7	4849	6889	0.02%	0.008%
92	14.729	4161	4164	4174	rVB7	4200	6251	0.02%	0.007%
93	14.799	4179	4186	4194	rVB8	12078	16986	0.05%	0.019%
94	14.915	4215	4222	4233	rVB9	7118	11860	0.03%	0.014%
95	15.066	4259	4269	4277	rBV8	5526	10289	0.03%	0.012%
96	15.198	4300	4310	4313	rBV8	3441	5613	0.02%	0.006%
97	15.259	4322	4329	4338	rVV5	5719	9085	0.03%	0.010%
98	15.314	4338	4346	4355	rVV8	4799	7769	0.02%	0.009%
99	15.831	4494	4507	4509	rBV8	4752	7896	0.02%	0.009%
100	16.230	4626	4631	4635	rBV7	5659	6002	0.02%	0.007%

Sum of corrected areas: 87168543

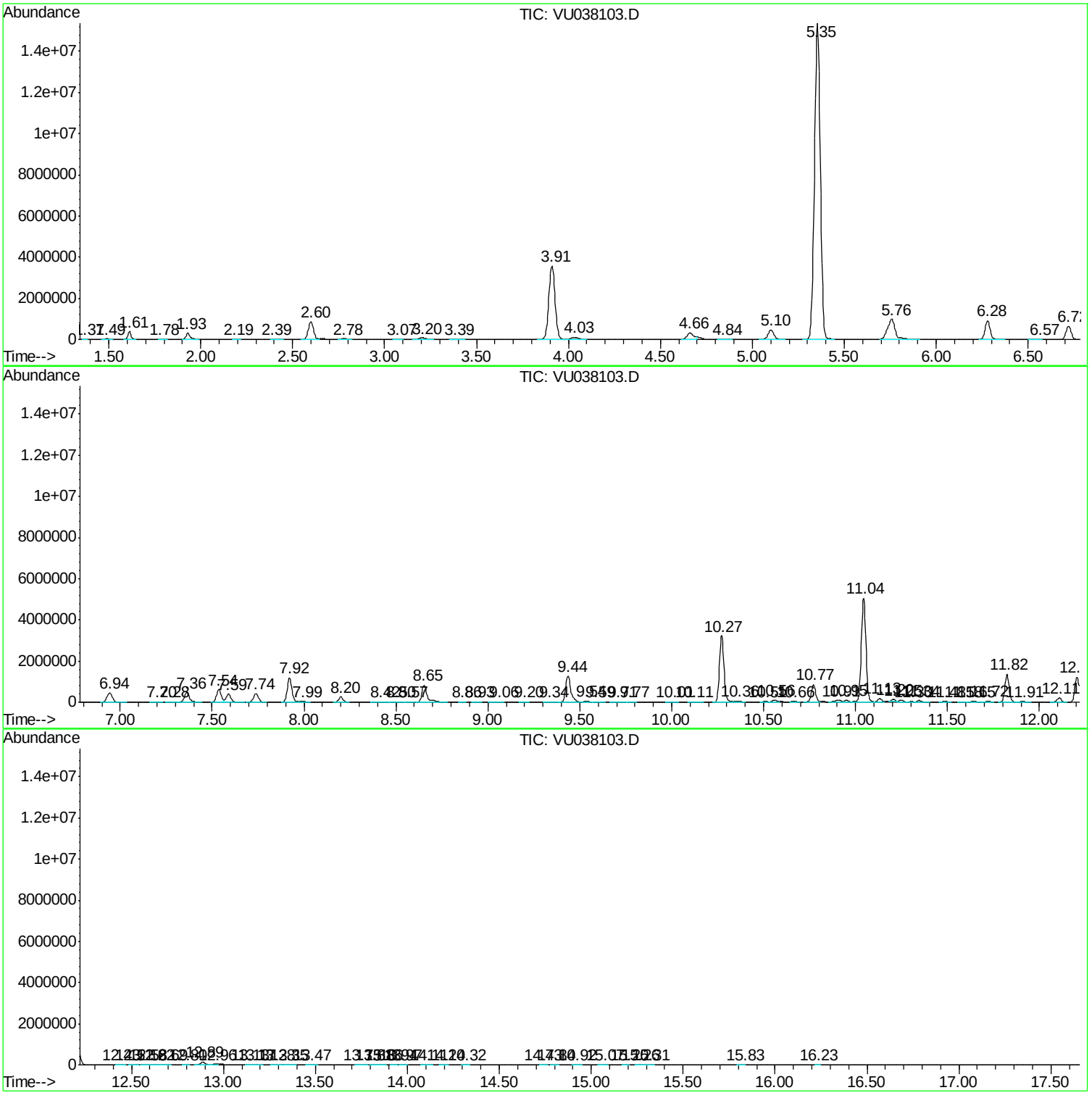
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

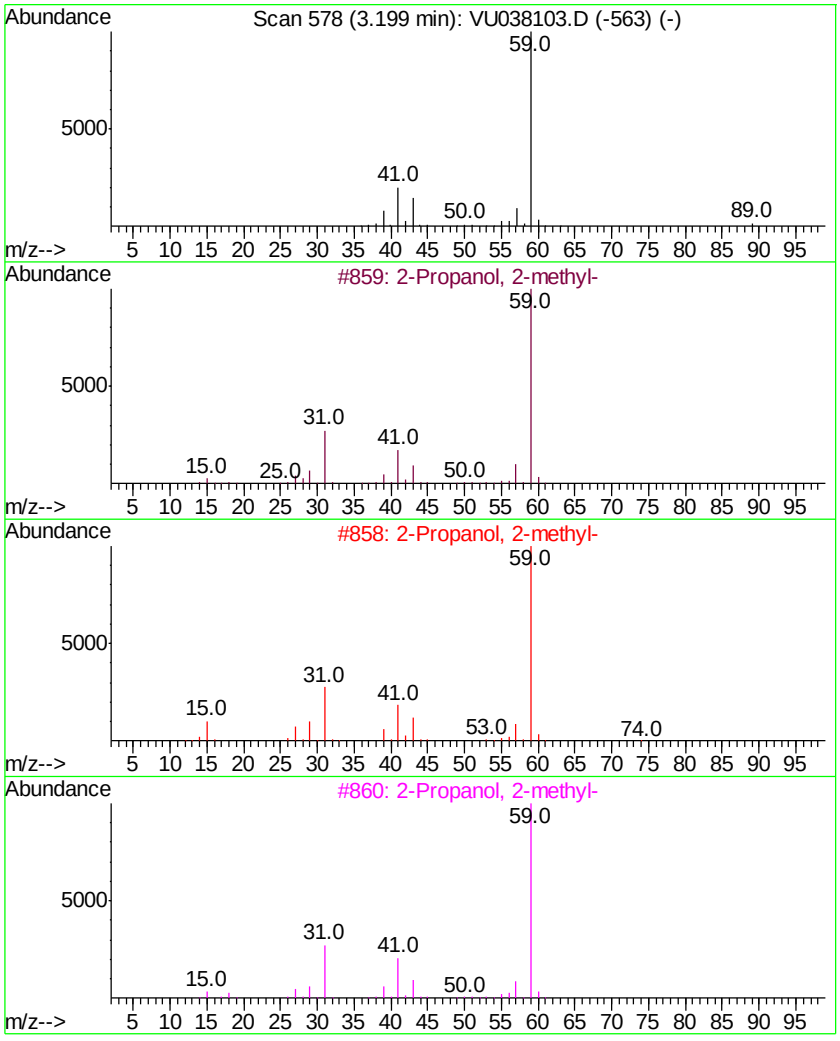
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

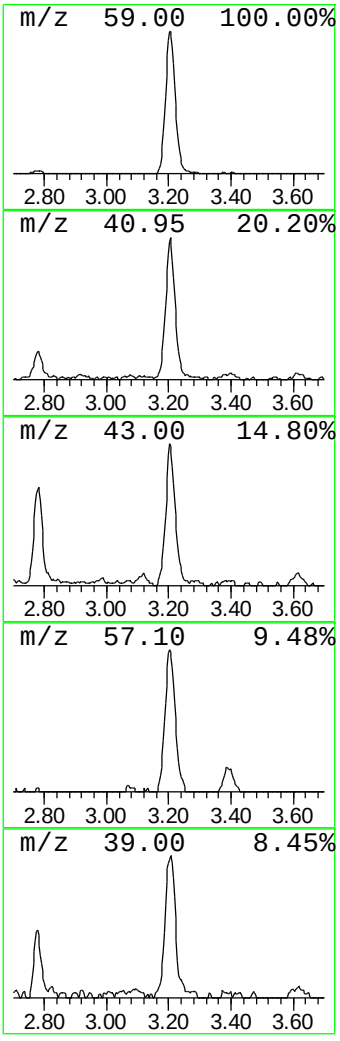
****

Peak Number 1 2-Propanol, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.20	5.32 ug/L	183499	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	72
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	64
3	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	56
4	3-Pentanol	88	C5H12O	000584-02-1	40
5	1,2-Butanediol	90	C4H10O2	000584-03-2	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

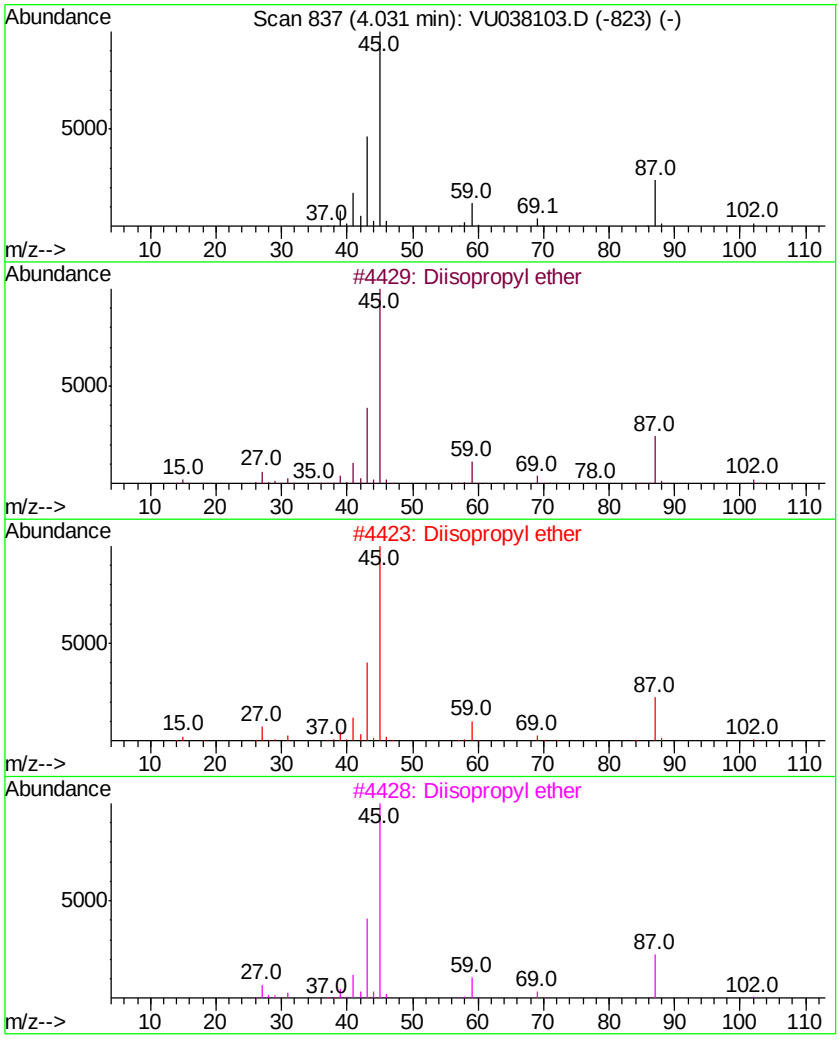
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

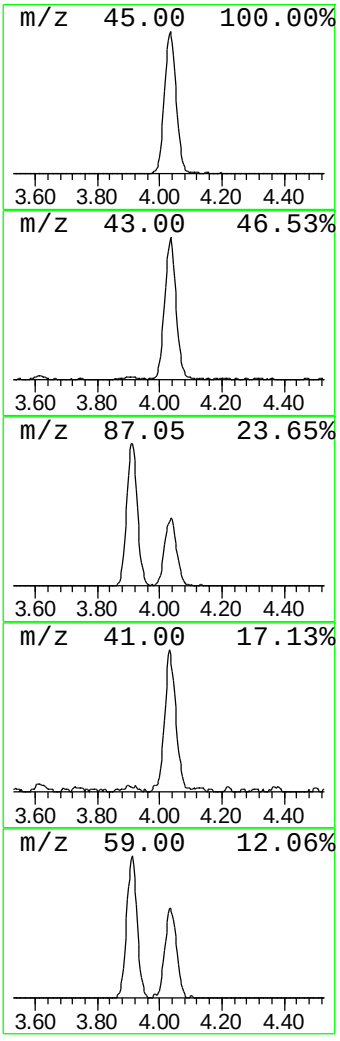
****

Peak Number 2 Diisopropyl ether Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	7.69 ug/L	265540	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	83
3	Diisopropyl ether	102	C6H14O	000108-20-3	83
4	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	64
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

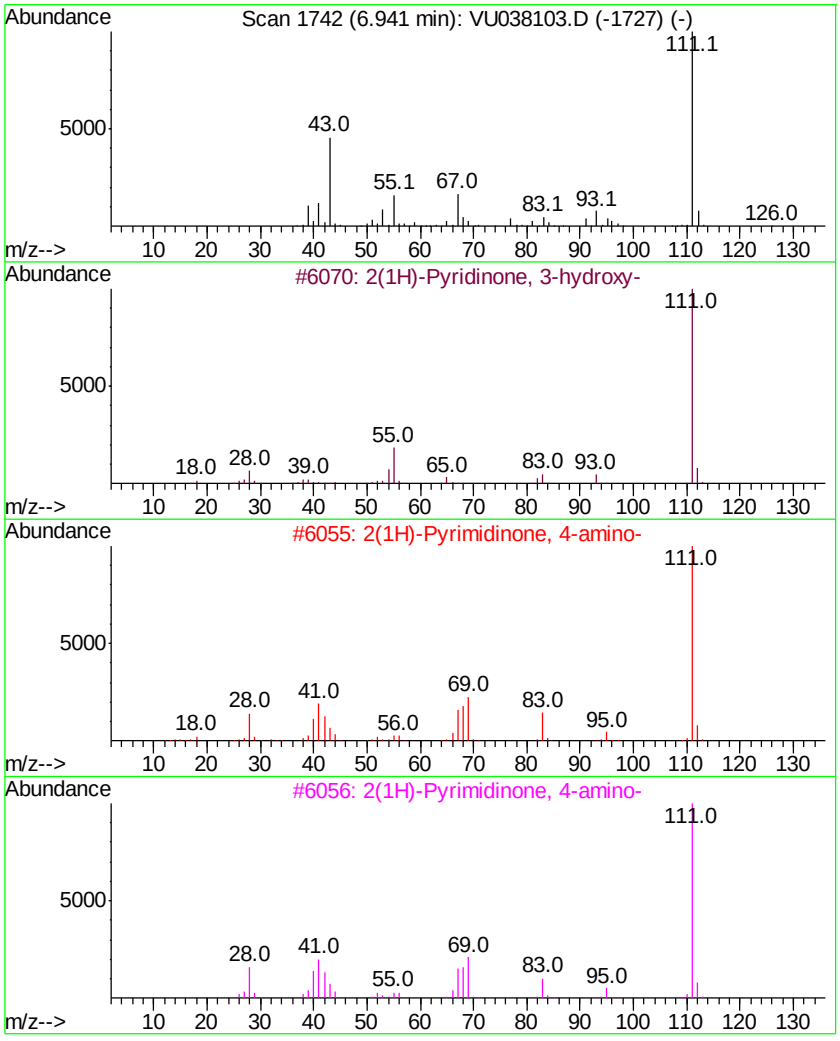
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

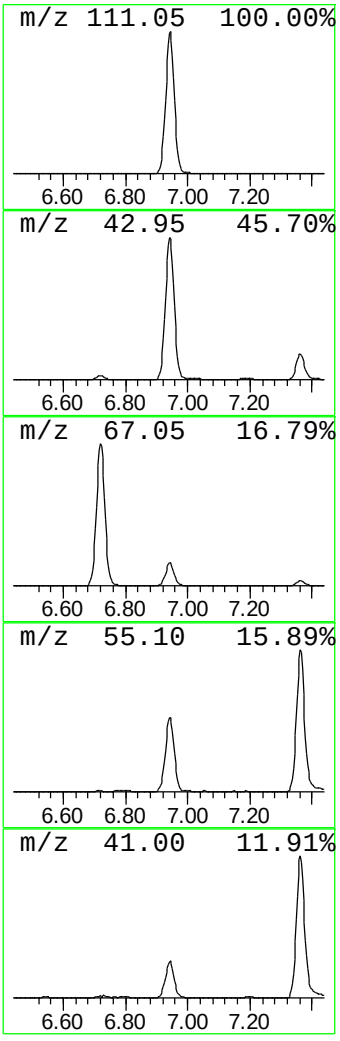
****

Peak Number 3 2(1H)-Pyridinone, 3-hydroxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.94	25.85 ug/L	892353	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Pyridinone, 3-hydroxy-	111	C5H5NO2	016867-04-2	59
2	2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	50
3	2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	50
4	2(1H)-Pyrimidinone, 4-amino-	111	C4H5N3O	000071-30-7	45
5	2-Aminopyrimidine-1-oxide	111	C4H5N3O	035034-15-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

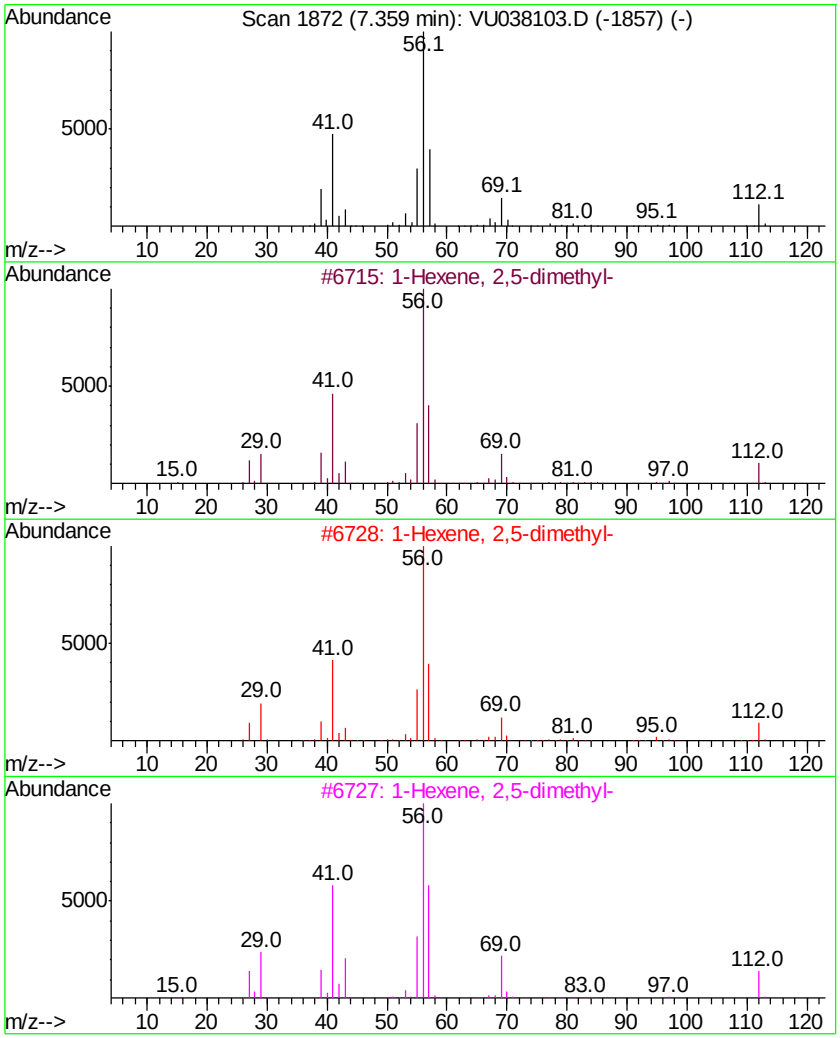
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

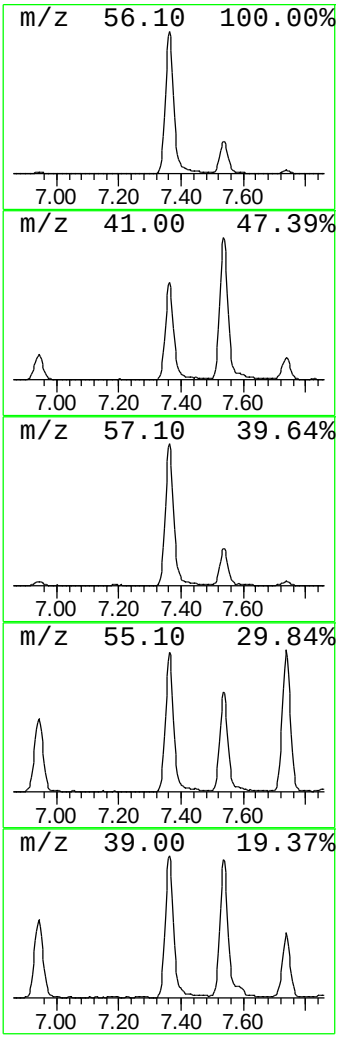
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	27.20 ug/L	939069	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	91
2	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	91
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	52
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	50
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

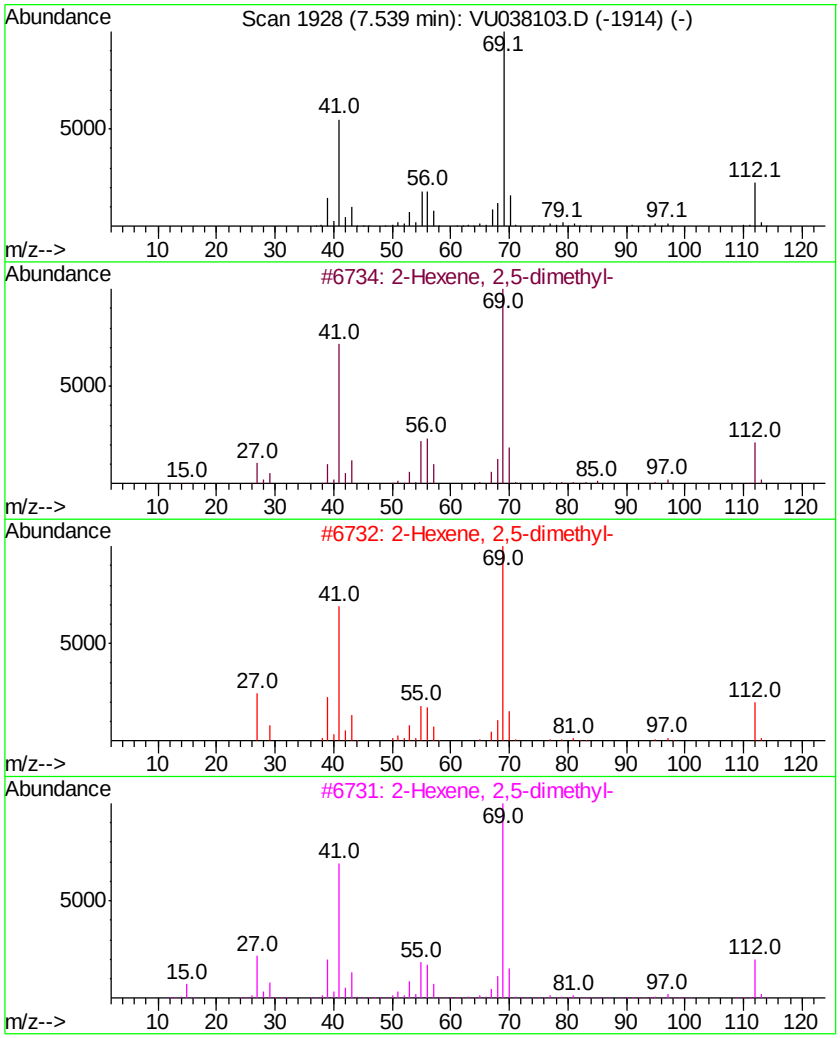
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

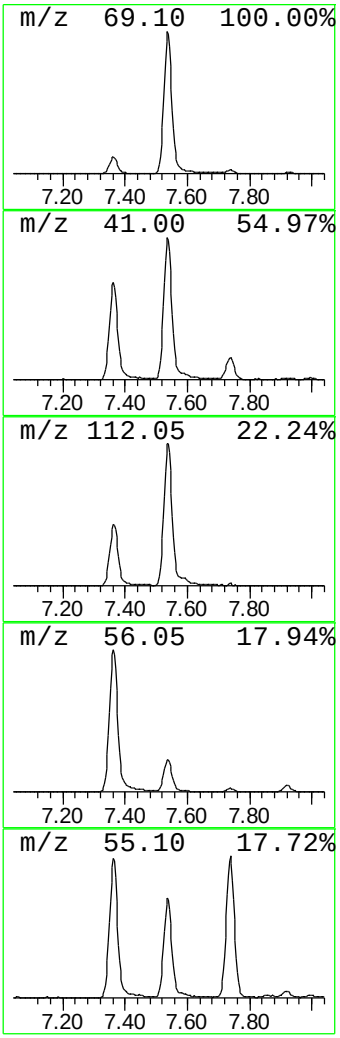
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	31.99 ug/L	1104230	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	94
2	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	91
3	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	91
4	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	90
5	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	83





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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

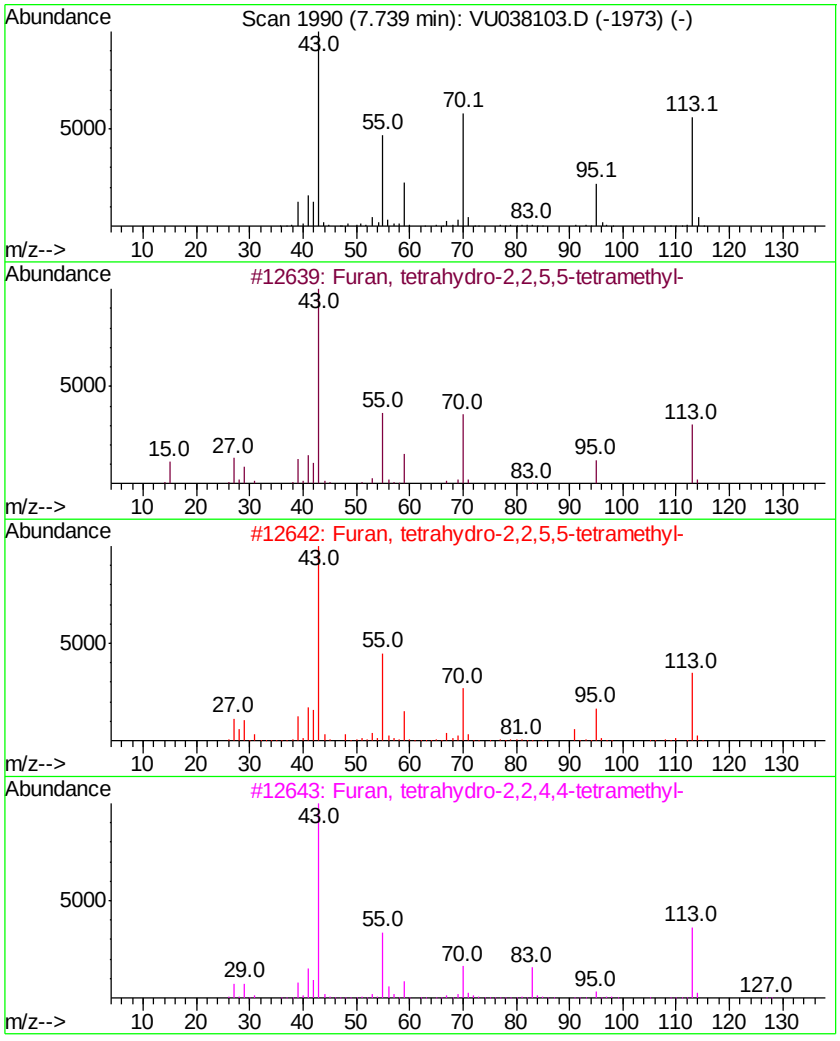
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

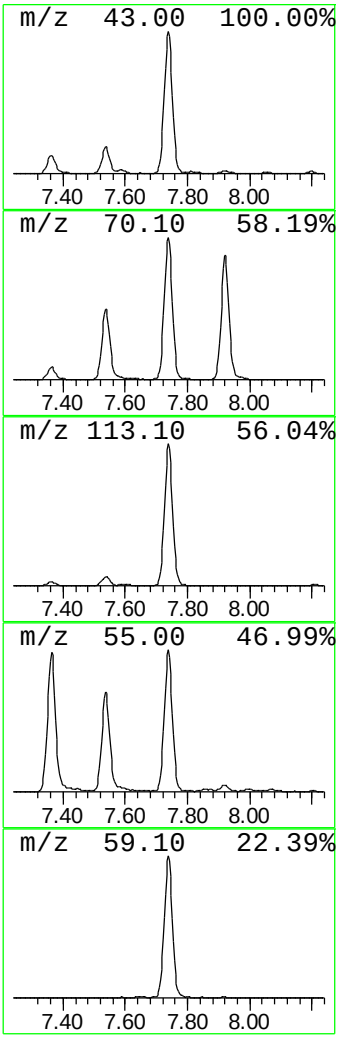
****

Peak Number 7 Furan, tetrahydro-2,2,5,5-t... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.74	21.67 ug/L	748105	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	83
2	Furan, tetrahydro-2,2,5,5-tetram...	128	C8H16O	015045-43-9	72
3	Furan, tetrahydro-2,2,4,4-tetram...	128	C8H16O	003358-28-9	53
4	4-Piperidinone, 1-methyl-	113	C6H11NO	001445-73-4	50
5	1,3,5-Triazine-2,4(1H,3H)-dione	113	C3H3N3O2	000071-33-0	47





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Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

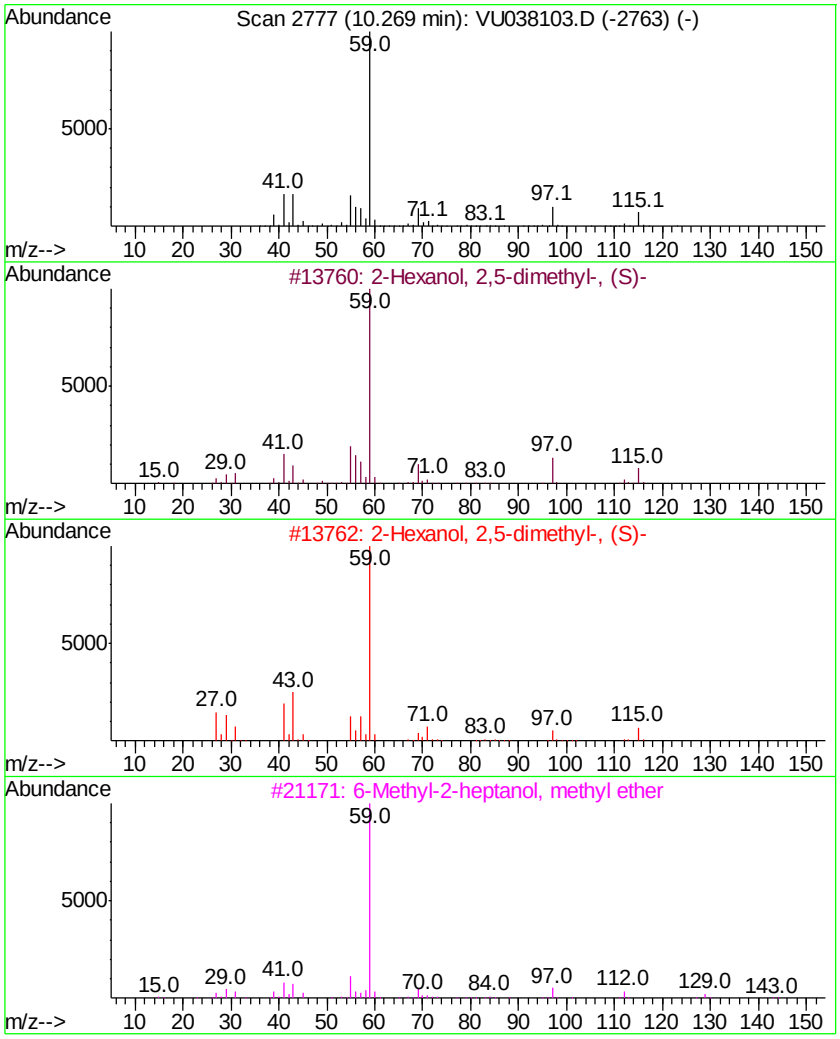
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

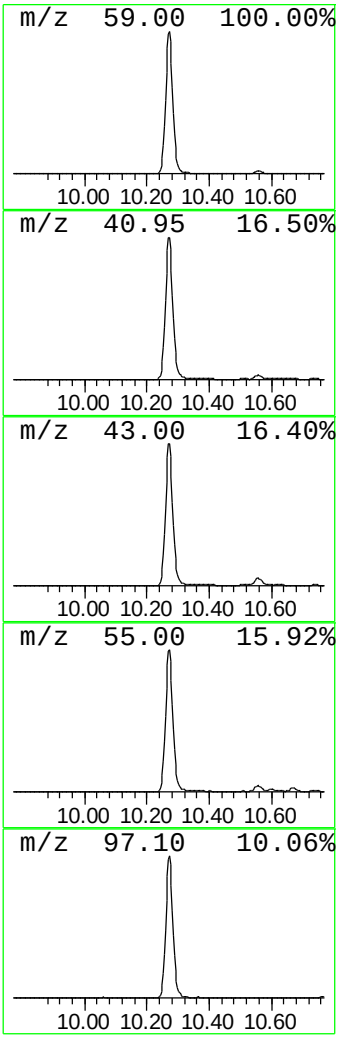
****

Peak Number 8 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	107.15 ug/L	5329610	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	83
2	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	72
3	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	56
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
5	2-Hydroxy-2,4-dimethyl-3-pentanone	130	C7H14O2	003212-67-7	50





Library Search Compound Report

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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

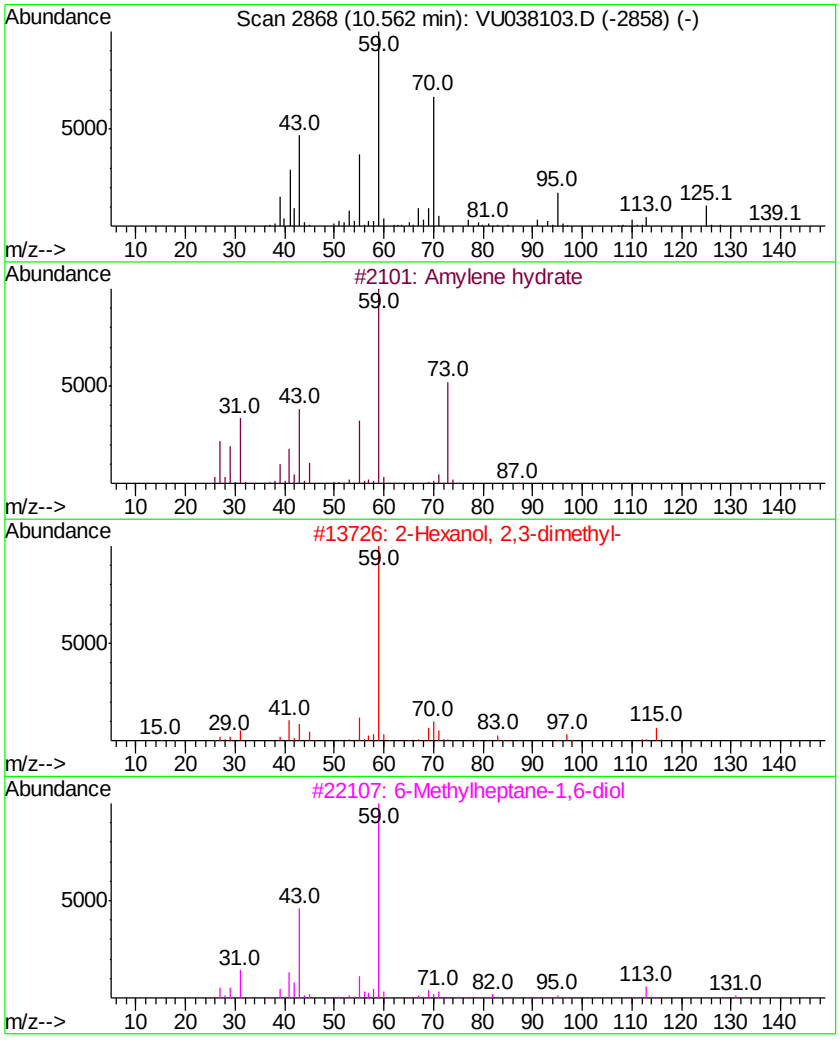
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

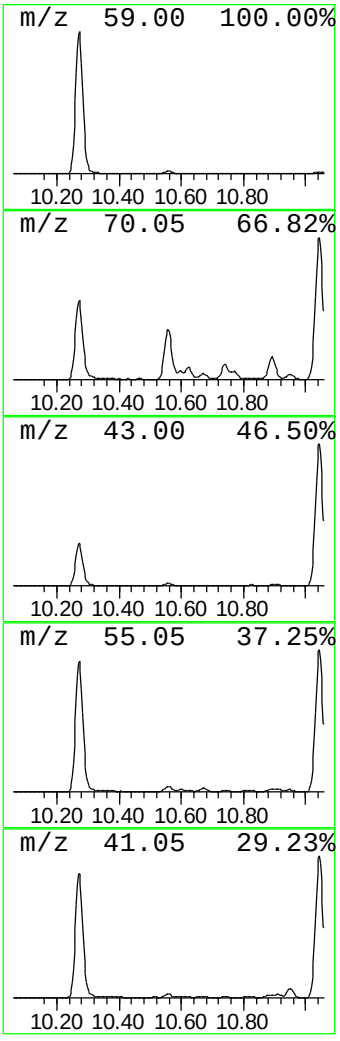
****

Peak Number 9 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.98 ug/L	148158	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Amylene hydrate	88	C5H12O	000075-85-4	32
2	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	25
3	6-Methylheptane-1,6-diol	146	C8H18O2	005392-57-4	25
4	Amylene hydrate	88	C5H12O	000075-85-4	25
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23





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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

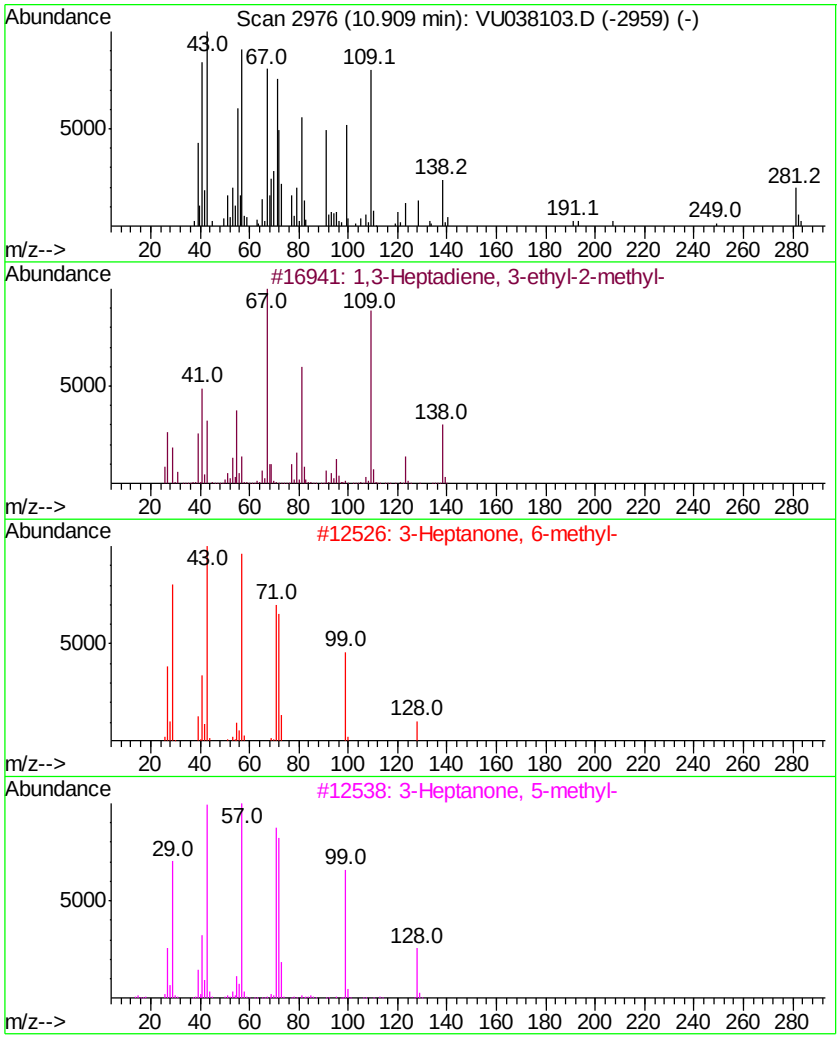
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

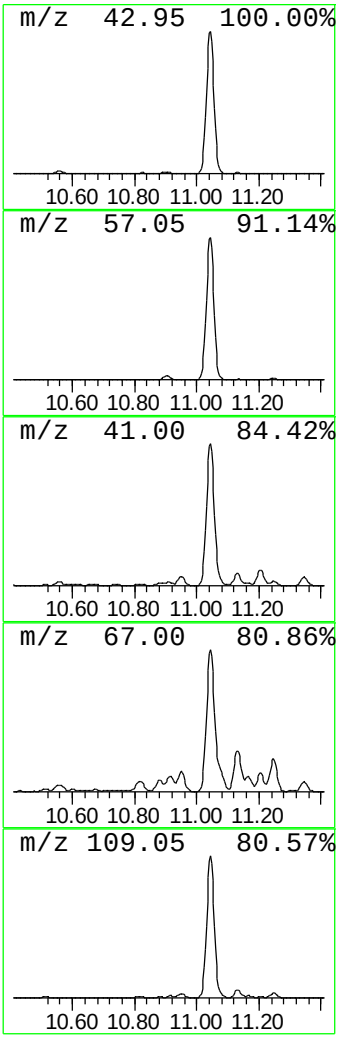
****

Peak Number 10 unknown-02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	4.99 ug/L	217515	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Heptadiene, 3-ethyl-2-methyl-	138	C10H18	061142-35-6	38
2	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	38
3	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	30
4	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	30
5	3-Octanone	128	C8H16O	000106-68-3	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

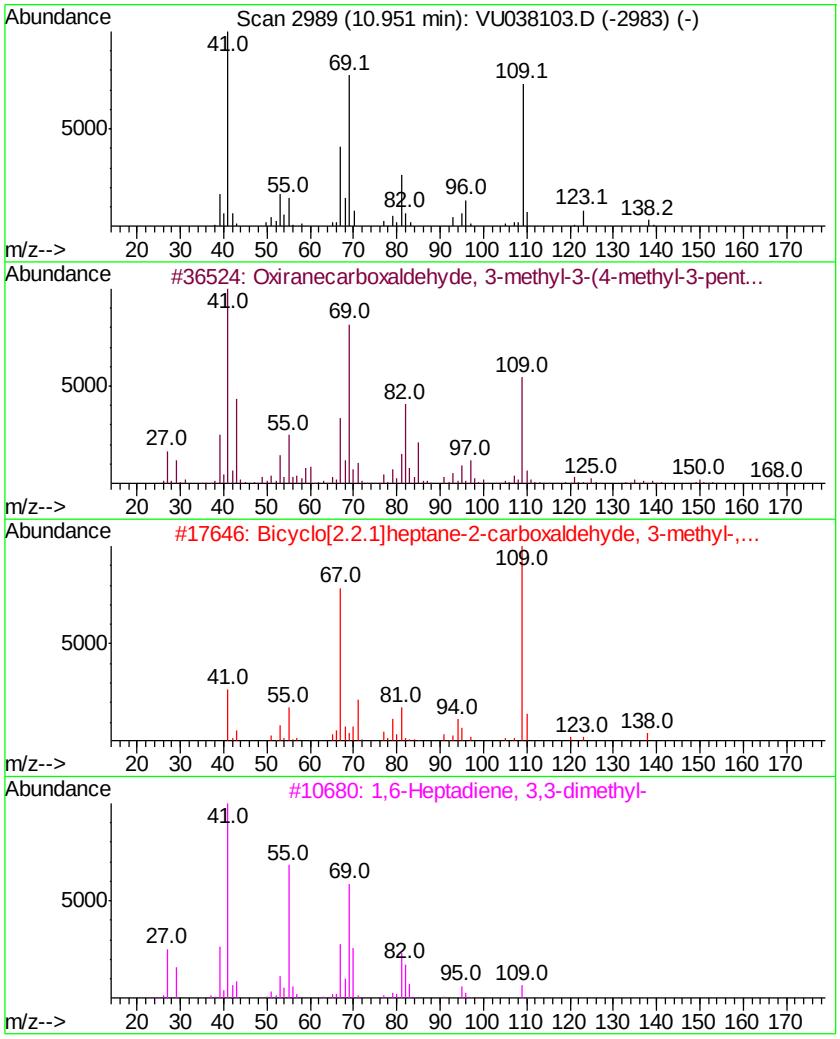
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

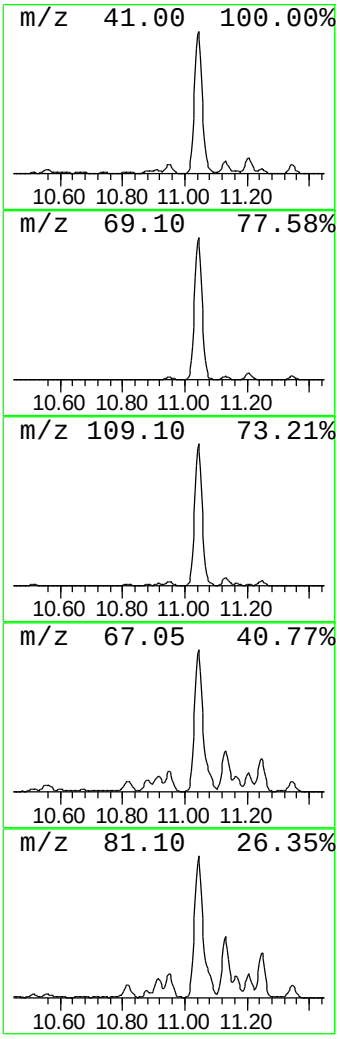
****

Peak Number 11 Oxiranecarboxaldehyde, 3-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.80 ug/L	122285	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxiranecarboxaldehyde, 3-methyl-...	168	C10H16O2	016996-12-6	56
2	Bicyclo[2.2.1]heptane-2-carboxal...	138	C9H14O	015780-36-6	43
3	1,6-Heptadiene, 3,3-dimethyl-	124	C9H16	068701-61-1	40
4	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	38
5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	38





Library Search Compound Report

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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

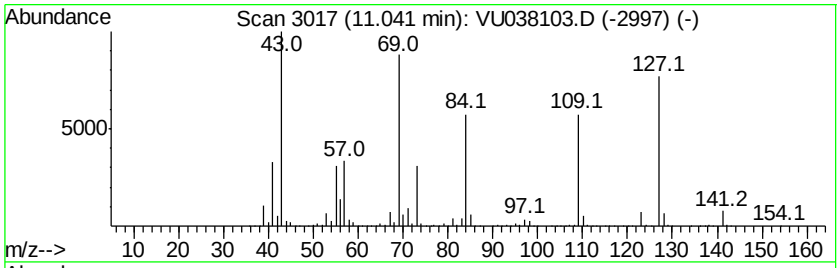
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

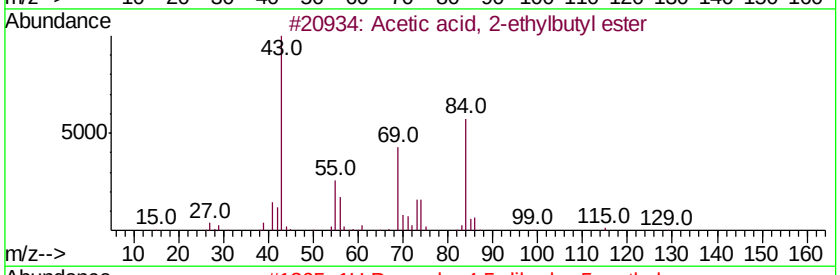
****

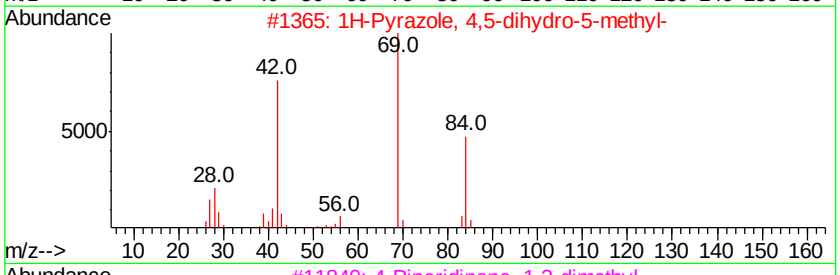
Peak Number 12 unknown-03 Concentration Rank 1

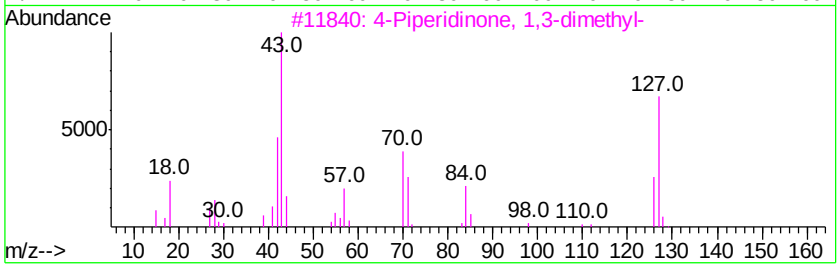
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	197.28 ug/L	8607240	1,4-Dichlorobenzene-d4	11.82

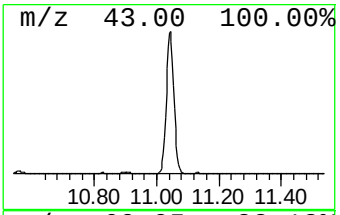
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-ethylbutyl ester	144	C8H16O2	010031-87-5	32
2	1H-Pyrazole, 4,5-dihydro-5-methyl-	84	C4H8N2	001568-20-3	27
3	4-Piperidinone, 1,3-dimethyl-	127	C7H13NO	004629-80-5	27
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	27
5	1-Butene, 3,3-dimethyl-	84	C6H12	000558-37-2	27

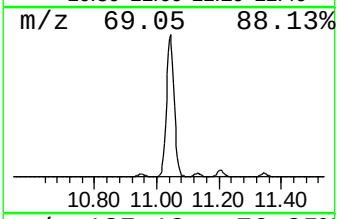


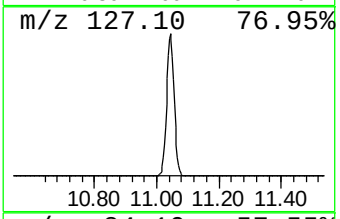


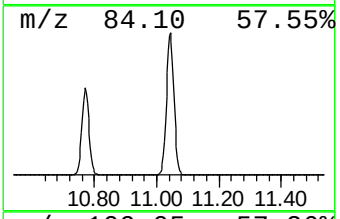


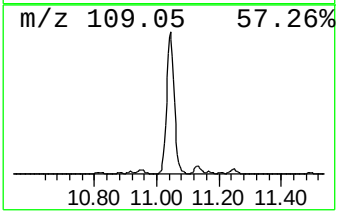












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

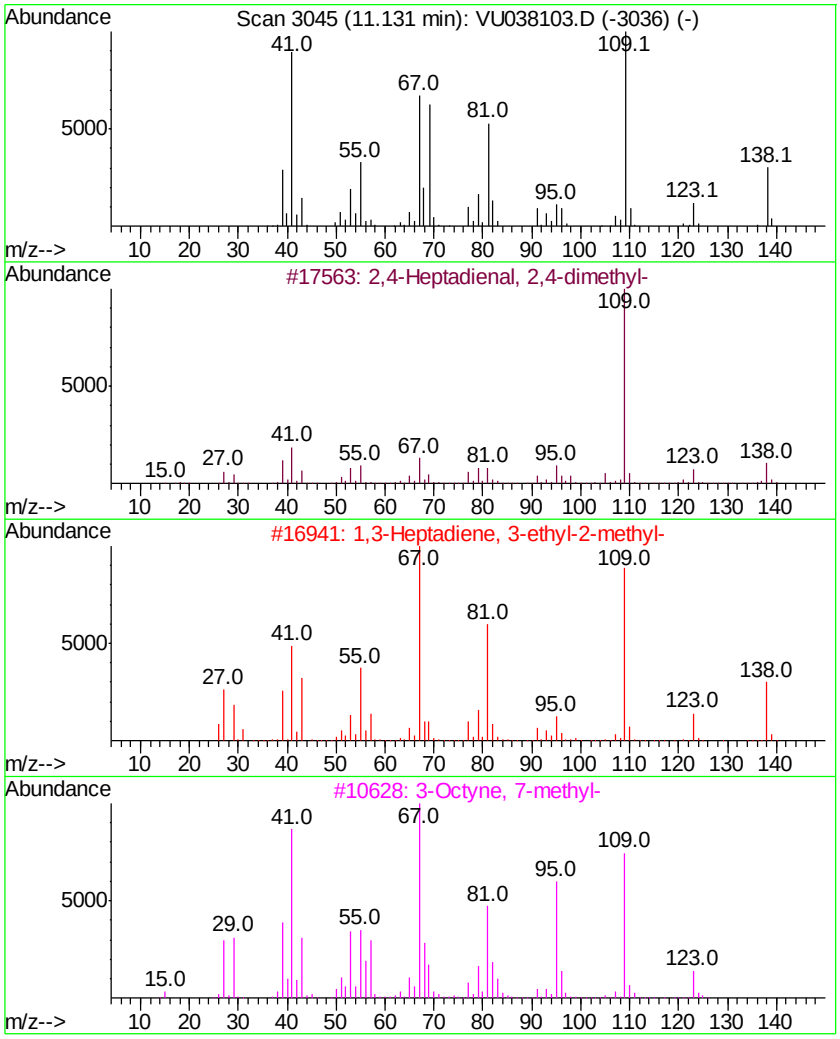
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

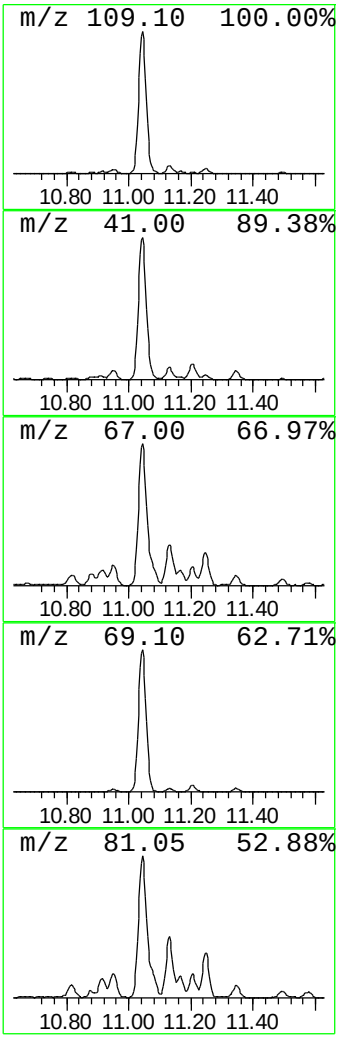
****

Peak Number 13 2,4-Heptadienal, 2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.48 ug/L	238872	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadienal, 2,4-dimethyl-	138	C9H14O	042452-48-2	80
2	1,3-Heptadiene, 3-ethyl-2-methyl-	138	C10H18	061142-35-6	58
3	3-Octyne, 7-methyl-	124	C9H16	037050-06-9	49
4	1,2,5-Oxadiazole-3-carboxamide, ...	279	C12H14FN5O2	1000337-13-0	43
5	4-Octyne	110	C8H14	001942-45-6	38





Library Search Compound Report

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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

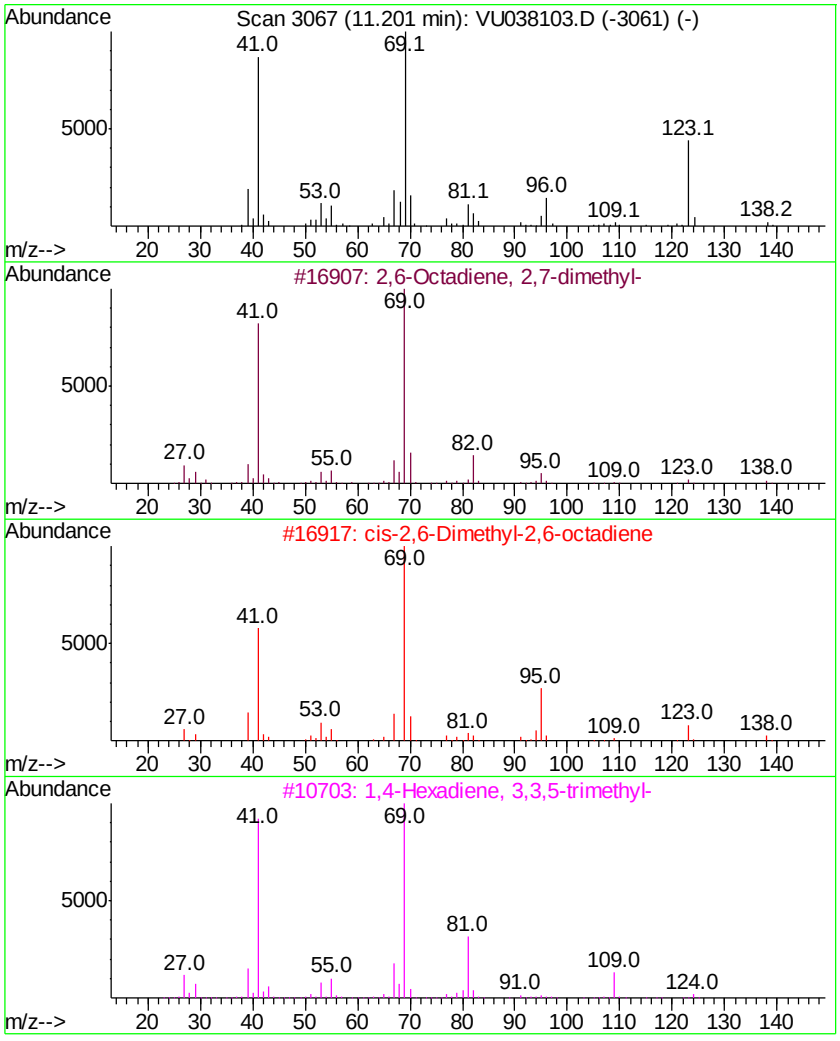
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

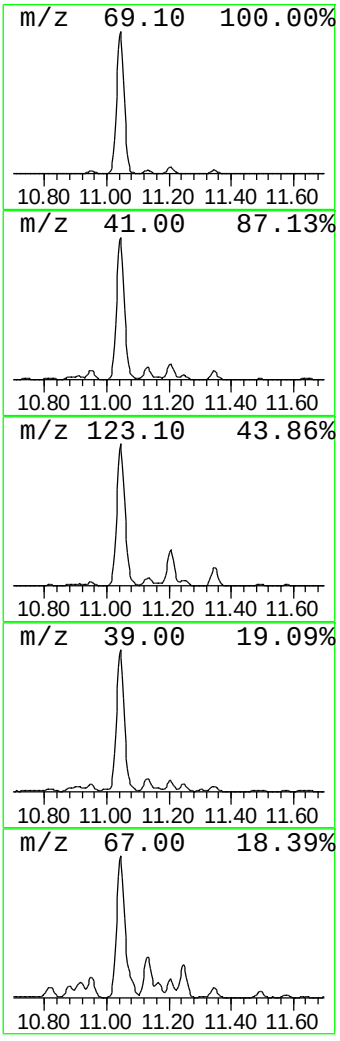
****

Peak Number 14 2,6-Octadiene, 2,7-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	3.90 ug/L	169937	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Octadiene, 2,7-dimethyl-	138	C10H18	016736-42-8	52
2	cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	50
3	1,4-Hexadiene, 3,3,5-trimethyl-	124	C9H16	074753-00-7	50
4	6-Methyl-1,5-heptadiene	110	C8H14	007270-50-0	50
5	Cyclopentane, bromo-	148	C5H9Br	000137-43-9	47





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Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

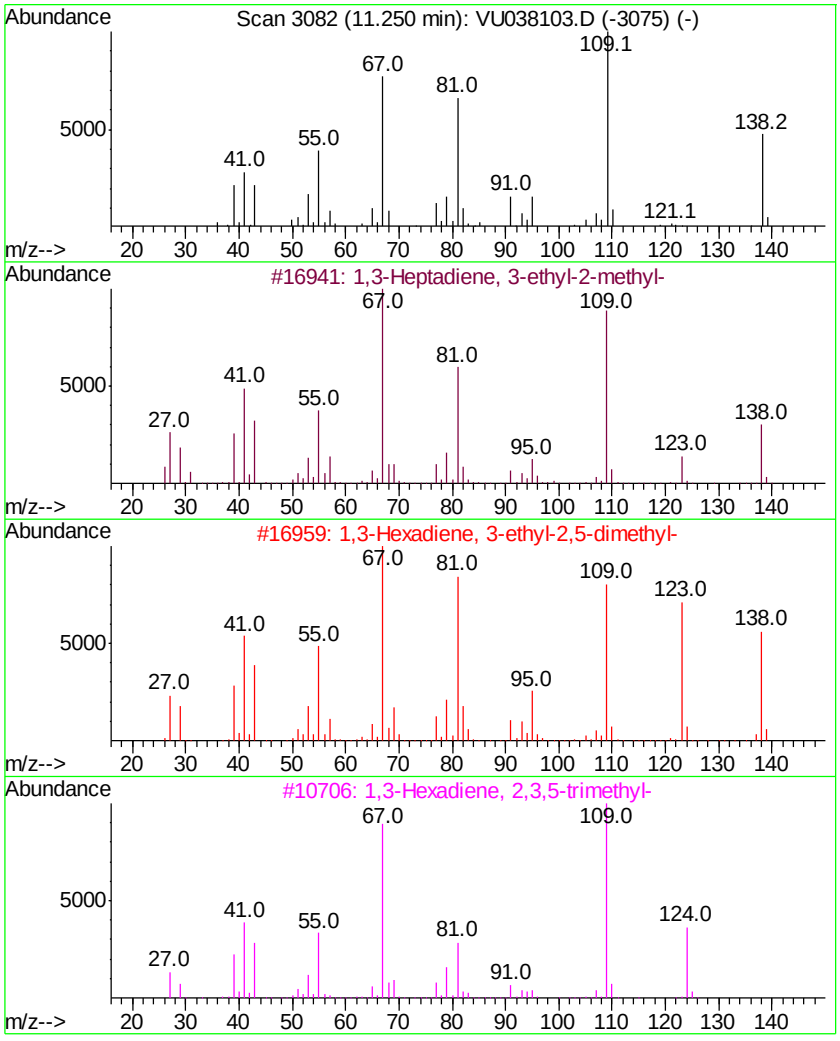
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

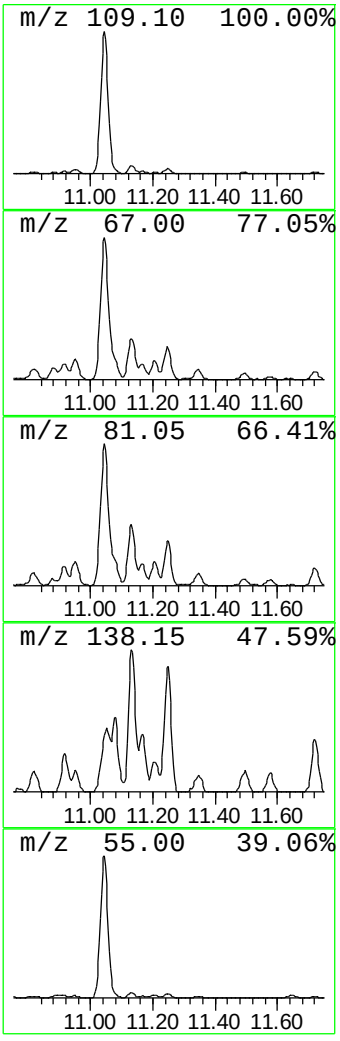
****

Peak Number 15 1,3-Heptadiene, 3-ethyl-2-m... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	3.69 ug/L	160937	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Heptadiene, 3-ethyl-2-methyl-	138	C10H18	061142-35-6	83
2	1,3-Hexadiene, 3-ethyl-2,5-dimet...	138	C10H18	062338-07-2	76
3	1,3-Hexadiene, 2,3,5-trimethyl-	124	C9H16	061142-34-5	59
4	3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	59
5	2,4-Heptadiene, 2,4-dimethyl-	124	C9H16	074421-05-9	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

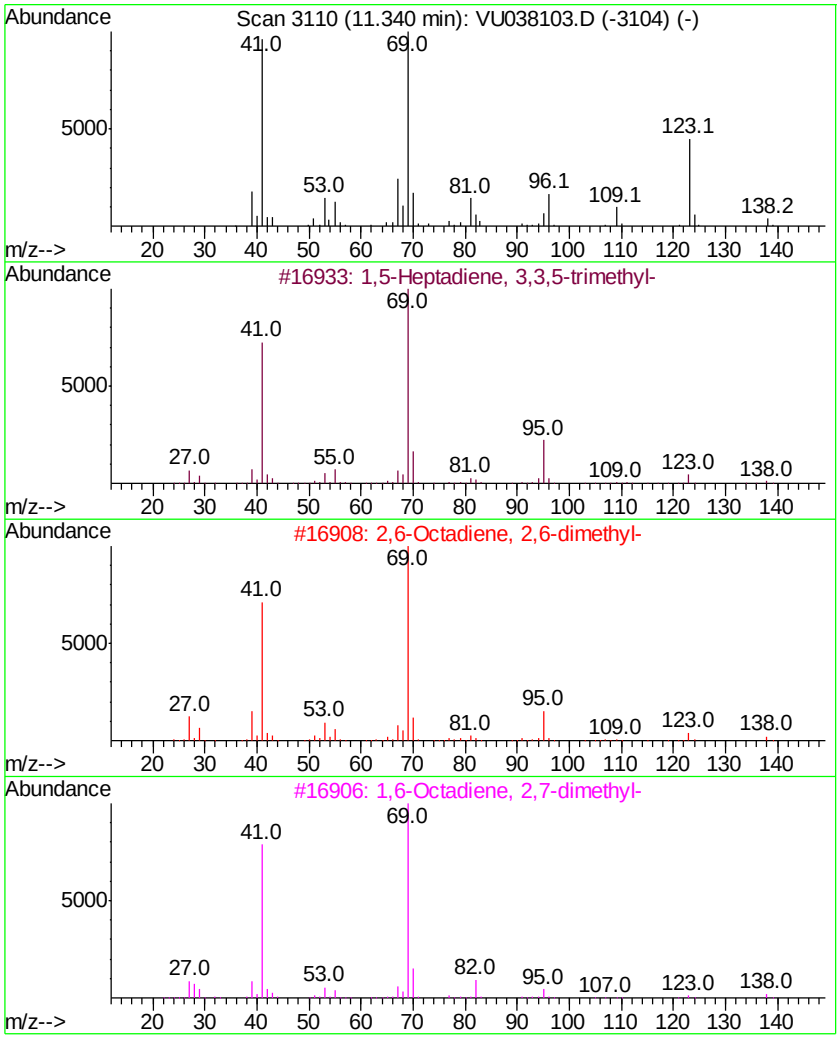
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

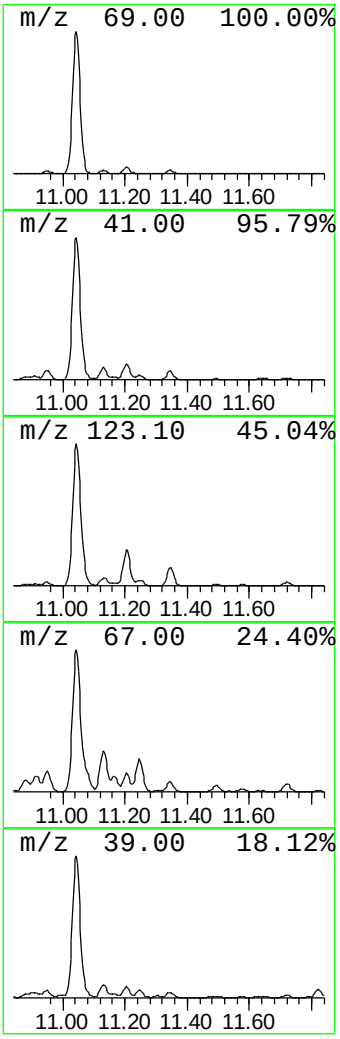
****

Peak Number 16 unknown-04 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	2.83 ug/L	123665	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Heptadiene, 3,3,5-trimethyl-	138	C10H18	074630-29-8	46
2	2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	46
3	1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	43
4	1,5-Heptadiene, 3,3-dimethyl-, (E)-	124	C9H16	067682-47-7	43
5	6-Methyl-1,5-heptadiene	110	C8H14	007270-50-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

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

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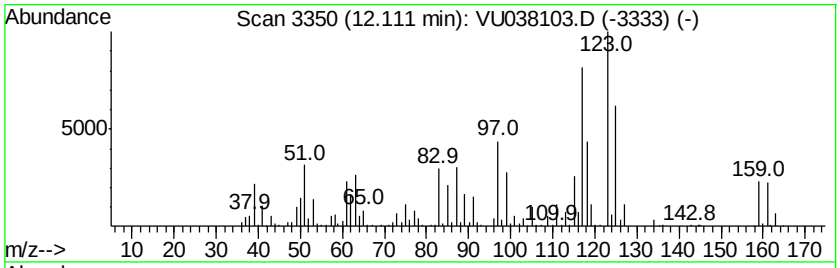
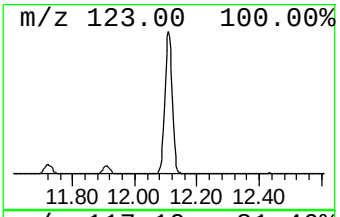
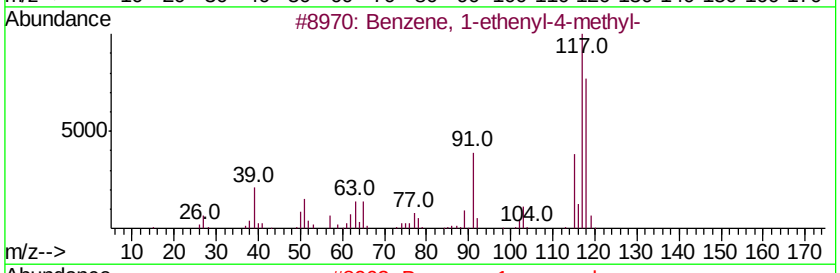
Peak Number 17 unknown-05 Concentration Rank 8

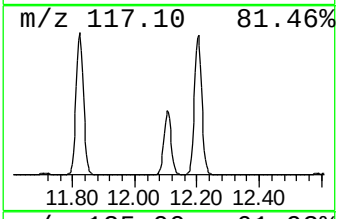
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	7.79 ug/L	340035	1,4-Dichlorobenzene-d4	11.82

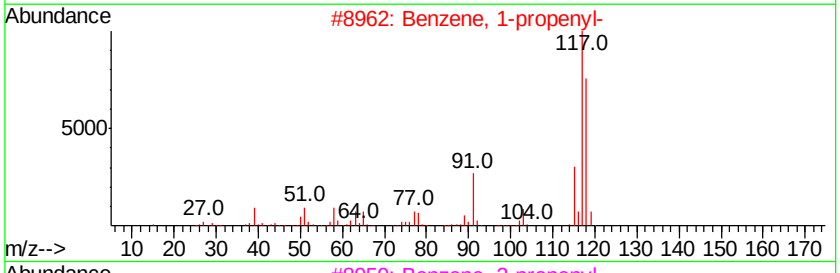
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	38
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	35
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	20
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	20
5	Indane	118	C9H10	000496-11-7	20

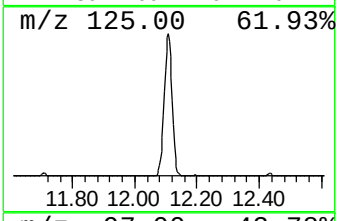


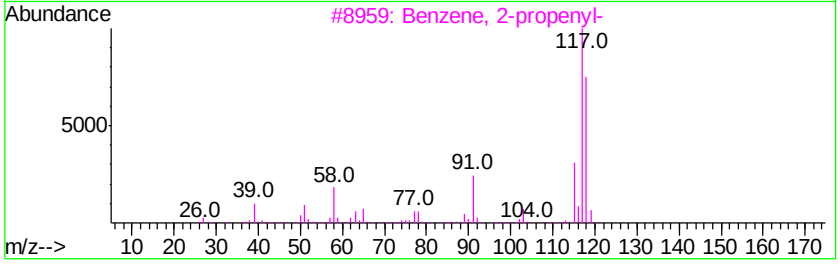


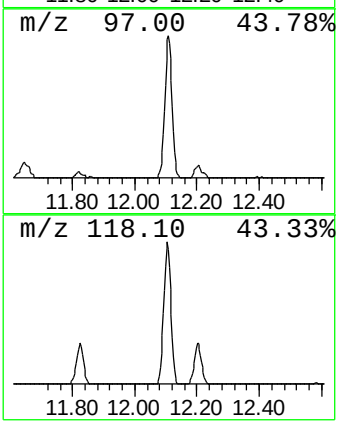












Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

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

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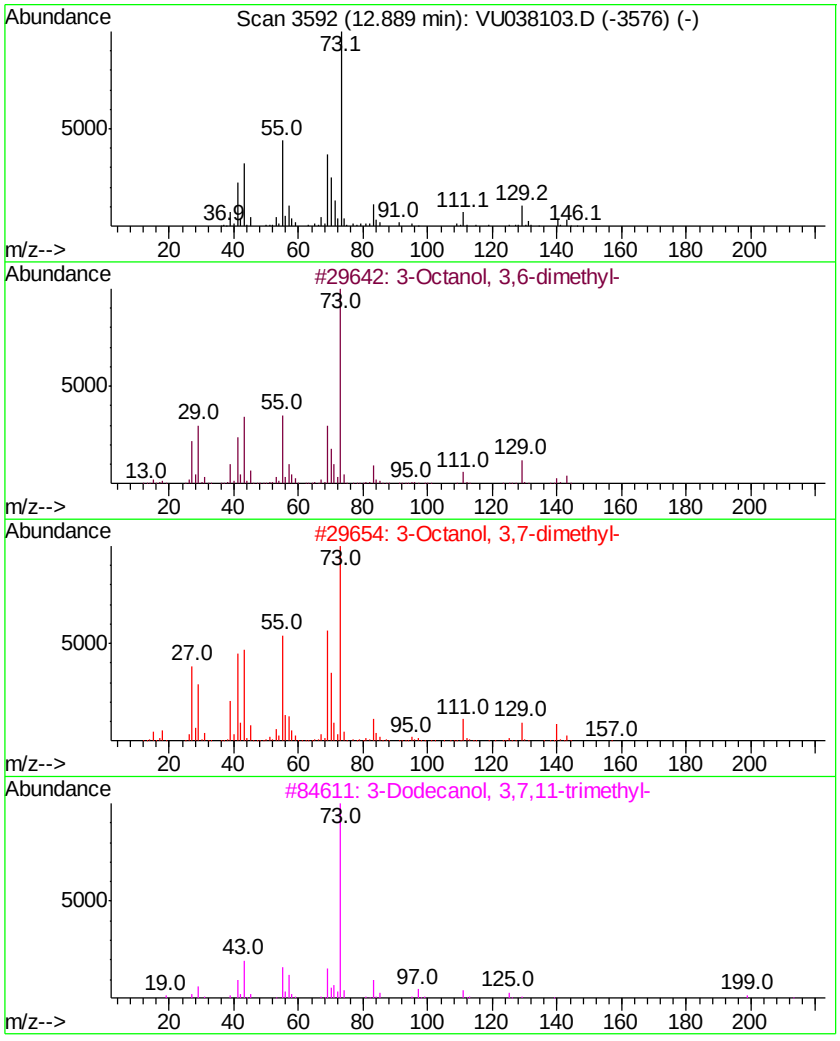
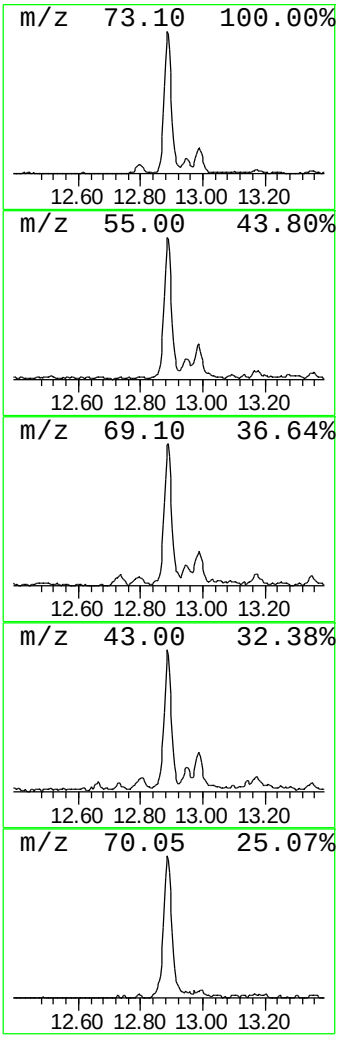
Peak Number 18 3-Octanol, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	5.10 ug/L	222376	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	80
2	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	42
3	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	40
4	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	38
5	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051120\
Data File : VU038103.D
Acq On : 11 May 2020 14:08
Operator : JC/MD
Sample : L2578-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFSF1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanol, 2-met...	3.20	5.3	ug/L	183499	1	6.28	1726070	50.0
Diisopropyl ether	4.03	7.7	ug/L	265540	1	6.28	1726070	50.0
2(1H)-Pyridinone,...	6.94	25.9	ug/L	892353	1	6.28	1726070	50.0
(DEL) Alkane: Str...	7.36	27.2	ug/L	939069	1	6.28	1726070	50.0
(DEL) Alkane: Str...	7.54	32.0	ug/L	1104230	1	6.28	1726070	50.0
Furan, tetrahydro...	7.74	21.7	ug/L	748105	1	6.28	1726070	50.0
2-Hexanol, 2,5-di...	10.27	107.2	ug/L	5329610	2	9.44	2487070	50.0
unknown-01	10.56	3.0	ug/L	148158	2	9.44	2487070	50.0
unknown-02	10.91	5.0	ug/L	217515	3	11.82	2181450	50.0
Oxiranecarboxalde...	10.95	2.8	ug/L	122285	3	11.82	2181450	50.0
unknown-03	11.04	197.3	ug/L	8607240	3	11.82	2181450	50.0
2,4-Heptadienal, ...	11.13	5.5	ug/L	238872	3	11.82	2181450	50.0
2,6-Octadiene, 2,...	11.20	3.9	ug/L	169937	3	11.82	2181450	50.0
1,3-Heptadiene, 3...	11.25	3.7	ug/L	160937	3	11.82	2181450	50.0
unknown-04	11.34	2.8	ug/L	123665	3	11.82	2181450	50.0
unknown-05	12.11	7.8	ug/L	340035	3	11.82	2181450	50.0
3-Octanol, 3,6-di...	12.89	5.1	ug/L	222376	3	11.82	2181450	50.0