LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

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\SOMULM060619WMA.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	1.396	85	95	108	rBV3	108206	160241	0.15%	0.056%
2	2.241	348	358	363	rBV	215117	344860	0.33%	0.120%
3	2.315	371	381	408	rVB	2085291	3194181	3.06%	1.114%
4	2.441	408	420	451	rVB	351400	600389	0.57%	0.209%
5	3.177	633	649	676	rBV	387603	834852	0.80%	0.291%
6	3.981	880	899	946	rBV	2310644	5823624	5.57%	2.031%
7	4.167	946	957	970	rBV	86632	231420	0.22%	0.081%
8	4.640	1090	1104	1125	rVB	115374	272284	0.26%	0.095%
9	5.334	1297	1320	1328	rBV2	226176	678675	0.65%	0.237%
10	5.383	1328	1335	1353	rVB	195702	404826	0.39%	0.141%
11	5.881	1477	1490	1524	rVB	250747	509888	0.49%	0.178%
12	6.325	1612	1628	1643	rBV	154249	307218	0.29%	0.107%
13	6.418	1644	1657	1673	rVV4	64011	144279	0.14%	0.050%
14	7.222	1895	1907	1922	rBV	86600	156356	0.15%	0.055%
15	7.453	1966	1979	1995	rBV	709086	1240156	1.19%	0.432%
16	7.559	2001	2012	2024	rBV	308990	584290	0.56%	0.204%
17	7.630	2024	2034	2048	rVV	832821	1431073	1.37%	0.499%
18	7.845	2092	2101	2110	rBV	62557	104027	0.10%	0.036%
19	7.900	2110	2118	2129	rVV	74006	118224	0.11%	0.041%
20	8.222	2208	2218	2230	rBV	110621	182880	0.18%	0.064%
21	8.305	2230	2244	2257	rBV	3427961	5721452	5.47%	1.995%
22	9.048	2458	2475	2480	rBV	356164	704956	0.67%	0.246%
23	9.244	2525	2536	2545	rBV	318135	517406	0.50%	0.180%
24	9.289	2545	2550	2560	rVV	74182	118418	0.11%	0.041%
25	9.366	2561	2574	2589	rVV	1075214	1999201	1.91%	0.697%
26	9.453	2593	2601	2617	rVV	211843	371551	0.36%	0.130%
27	9.537	2618	2627	2636	rVV	112312	208043	0.20%	0.073%
28	9.595	2636	2645	2670	rVB	419214	730903	0.70%	0.255%
29	9.775	2687	2701	2708	rBV	579020	965454	0.92%	0.337%
30	9.807	2708	2711	2727	rVB	197147	275334	0.26%	0.096%
31	9.894	2727	2738	2740	rBV	174336	231147	0.22%	0.081%
32	9.977	2756	2764	2779	rBV4	72073	167411	0.16%	0.058%
33	10.160	2809	2821	2833	rBV	143088	233796	0.22%	0.082%
34	10.366	2875	2885	2886	rBV	179887	205904	0.20%	0.072%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

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\SOMULM060619WMA.M
Title : VOC Analysis

35	10.392	2887	2893	2899	rVV	519099	830759	0.79%	0.290%
36	10.427	2900	2904	2916	rVB	284174	397706	0.38%	0.139%
37	10.495	2916	2925	2933	rBV	116599	172475	0.17%	0.060%
38	10.582	2945	2952	2962	rVB	248830	387012	0.37%	0.135%
39	10.675	2962	2981	2999	rBV	752137	1901696	1.82%	0.663%
40	10.768	3000	3010	3024	rVB	786693	1325744	1.27%	0.462%
41	10.839	3024	3032	3042	rVB4	87216	148109	0.14%	0.052%
42	10.916	3042	3056	3065	rBV	7837531	11997656	11.48%	4.183%
43	10.967	3065	3072	3092	rVB	871832	1461031	1.40%	0.509%
44	11.061	3093	3101	3109	rBV5	82544	137112	0.13%	0.048%
45	11.144	3116	3127	3139	rBV	1792091	2716507	2.60%	0.947%
46	11.238	3144	3156	3167	rBV	2426604	3776808	3.61%	1.317%
47	11.318	3168	3181	3198	rVB2	1241475	2224280	2.13%	0.776%
48	11.431	3198	3216	3220	rBV2	773628	1707639	1.63%	0.595%
49	11.482	3220	3232	3240	rVV2	28085411	44259343	42.35%	15.432%
50	11.530	3240	3247	3255	rVV	4825610	7130820	6.82%	2.486%
51	11.569	3255	3259	3271	rVB	823919	1171848	1.12%	0.409%
52	11.659	3273	3287	3298	rBV2	344517	542909	0.52%	0.189%
53	11.726	3298	3308	3316	rBV2	902926	1591599	1.52%	0.555%
54	11.858	3339	3349	3359	rBV3	560264	1068624	1.02%	0.373%
55	11.916	3359	3367	3378	rVB	731594	1140813	1.09%	0.398%
56	11.980	3379	3387	3394	rBV2	91457	177697	0.17%	0.062%
57	12.045	3395	3407	3425	rVB5	741165	1763980	1.69%	0.615%
58	12.144	3425	3438	3446	rBV	7652092	12446335	11.91%	4.340%
59	12.183	3446	3450	3460	rVV2	1412898	1943687	1.86%	0.678%
60	12.250	3463	3471	3484	rVB4	358265	690535	0.66%	0.241%
61	12.321	3485	3493	3497	rBV4	140207	220336	0.21%	0.077%
62	12.405	3512	3519	3538	rBV2	289732	625790	0.60%	0.218%
63	12.504	3538	3550	3560	rBV2	927664	1767983	1.69%	0.616%
64	12.620	3576	3586	3597	rBV5	273449	560791	0.54%	0.196%
65	12.691	3597	3608	3620	rVB3	2101516	3481634	3.33%	1.214%
66	12.781	3621	3636	3653	rBV2	1406544	2880663	2.76%	1.004%
67	13.000	3696	3704	3710	rBV	513928	795996	0.76%	0.278%
68	13.099	3716	3735	3751	rVB2	51645920	104502367	100.00%	36.438%
69	13.189	3751	3763	3769	rBV	8734263	14184167	13.57%	4.946%
70	13.299	3788	3797	3803	rBV2	190853	311773	0.30%	0.109%
71	13.360	3804	3816	3824	rVV5	662152	1420329	1.36%	0.495%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

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\SOMULM060619WMA.M
Title : VOC Analysis

72	13.411	3826	3832	3847	rVV2	684315	1289001	1.23%	0.449%
73	13.501	3850	3860	3871	rVB4	434174	741736	0.71%	0.259%
74	13.607	3883	3893	3897	rBV2	598532	883728	0.85%	0.308%
75	13.649	3897	3906	3914	rVV	2577980	4458660	4.27%	1.555%
76	13.694	3914	3920	3927	rVV3	1014763	1707803	1.63%	0.595%
77	13.739	3927	3934	3949	rVB2	922287	1947207	1.86%	0.679%
78	13.816	3950	3958	3964	rBV4	388278	668363	0.64%	0.233%
79	13.855	3966	3970	3986	rVB6	316257	502058	0.48%	0.175%
80	13.993	4000	4013	4018	rBV4	303440	718282	0.69%	0.250%
81	14.032	4018	4025	4043	rVB5	774995	1858044	1.78%	0.648%
82	14.112	4043	4050	4066	rVB2	187343	317359	0.30%	0.111%
83	14.196	4068	4076	4085	rVB3	284893	462831	0.44%	0.161%
84	14.254	4085	4094	4103	rBV2	676800	1007763	0.96%	0.351%
85	14.305	4103	4110	4117	rVV3	122406	198962	0.19%	0.069%
86	14.350	4119	4124	4135	rVB5	120807	205782	0.20%	0.072%
87	14.427	4138	4148	4165	rVV2	836877	1331912	1.27%	0.464%
88	14.784	4253	4259	4266	rBV3	113826	159509	0.15%	0.056%
89	14.836	4267	4275	4281	rVV2	352676	541475	0.52%	0.189%
90	14.871	4281	4286	4310	rVB3	290263	653049	0.62%	0.228%
91	15.016	4322	4331	4336	rBV4	217298	378804	0.36%	0.132%
92	15.054	4337	4343	4353	rVB3	356590	598127	0.57%	0.209%
93	15.305	4412	4421	4428	rBV	156858	252680	0.24%	0.088%
94	15.533	4482	4492	4503	rBV3	119692	235160	0.23%	0.082%
95	15.745	4543	4558	4569	rBV5	354170	754510	0.72%	0.263%
96	16.038	4639	4649	4661	rBV2	149596	336877	0.32%	0.117%
97	16.668	4836	4845	4860	rVB	289340	447185	0.43%	0.156%
98	16.900	4911	4917	4932	rVB	111392	184756	0.18%	0.064%
99	17.086	4965	4975	4997	rVB6	103157	193567	0.19%	0.067%
100	17.337	5044	5053	5083	rVB5	46667	123816	0.12%	0.043%

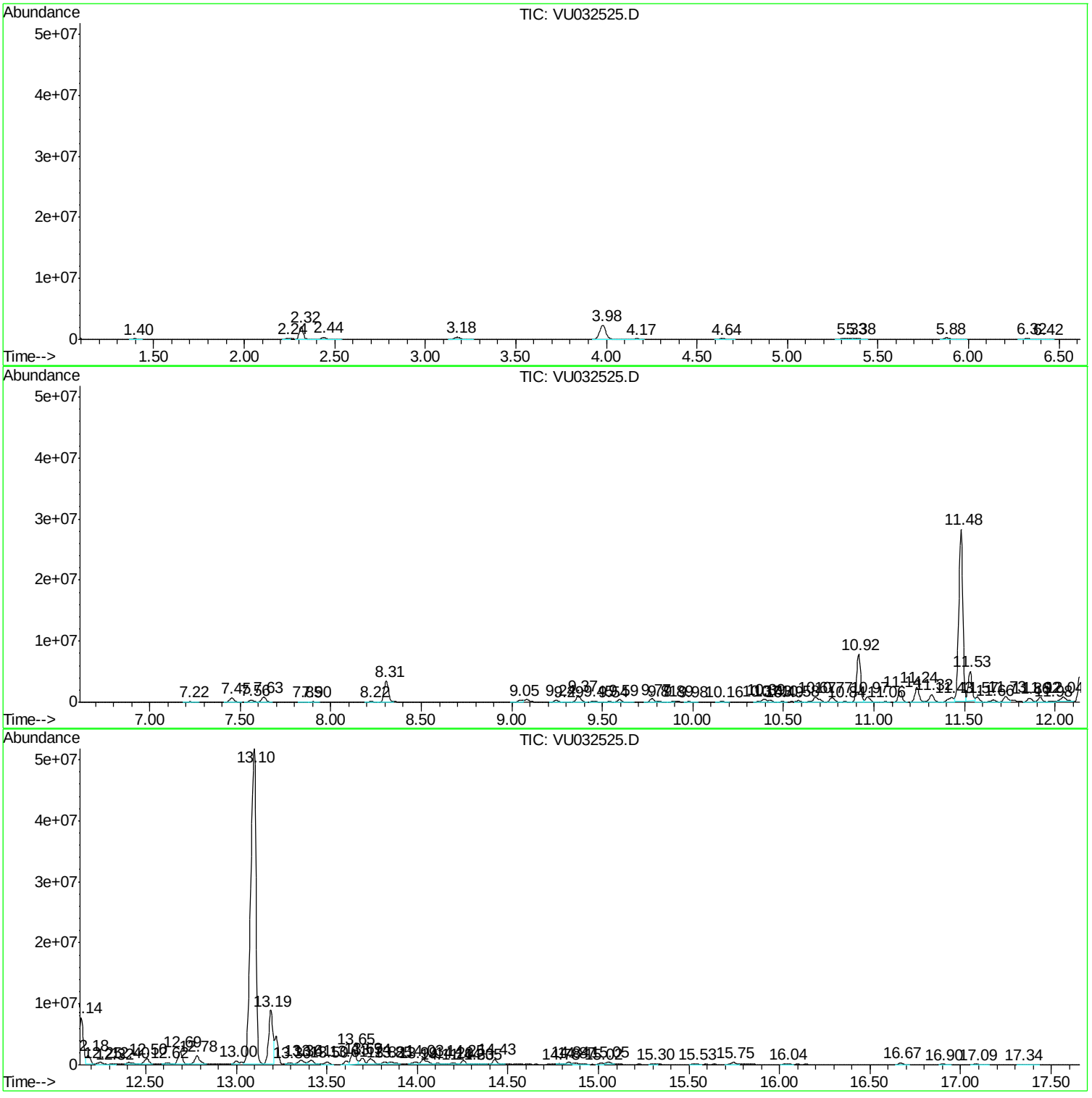
Sum of corrected areas: 286798278

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.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\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

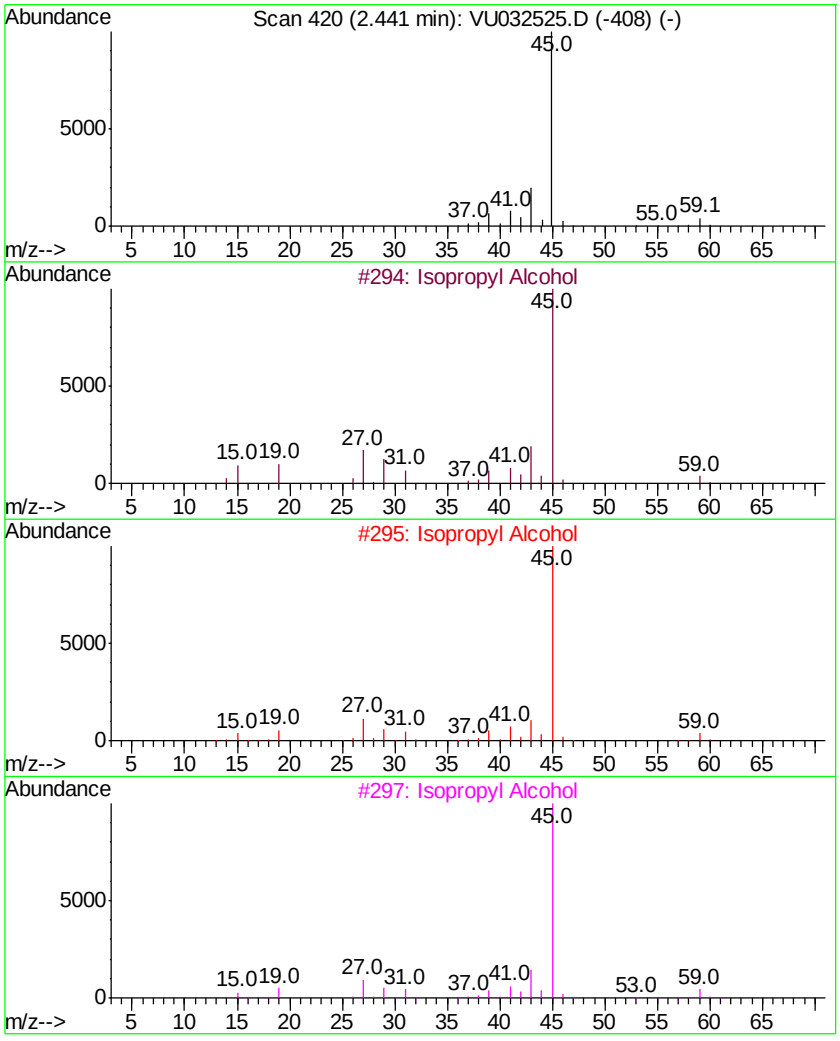
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

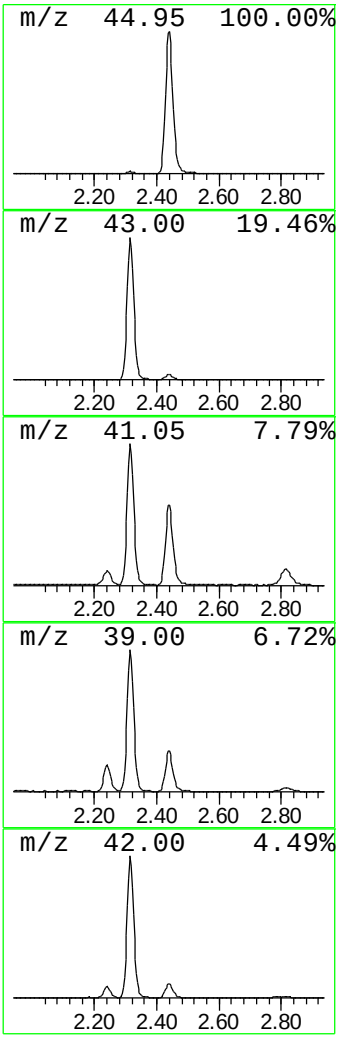
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	58.87 ug/L	600389	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
4	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
5	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

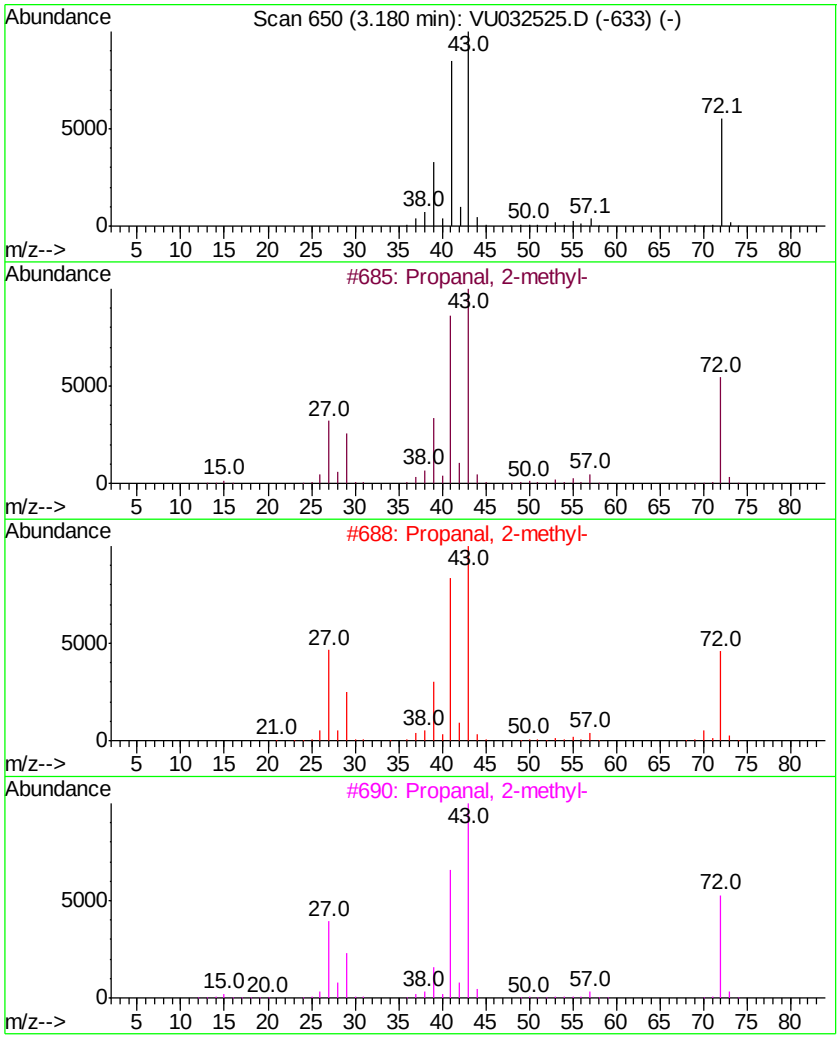
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

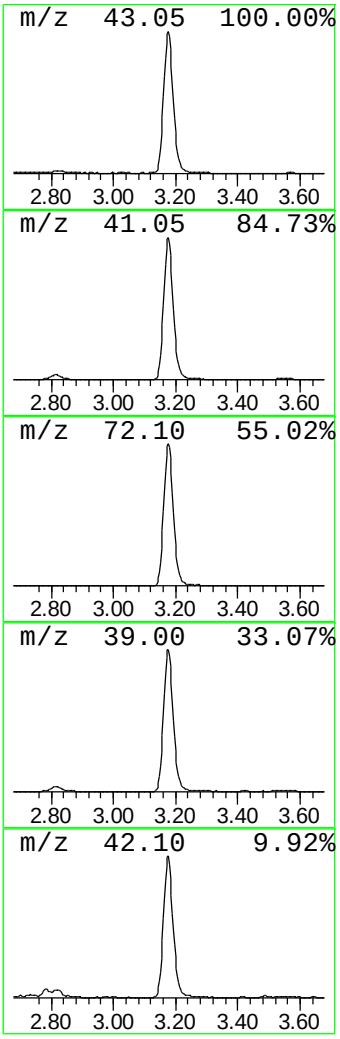
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	81.87 ug/L	834852	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

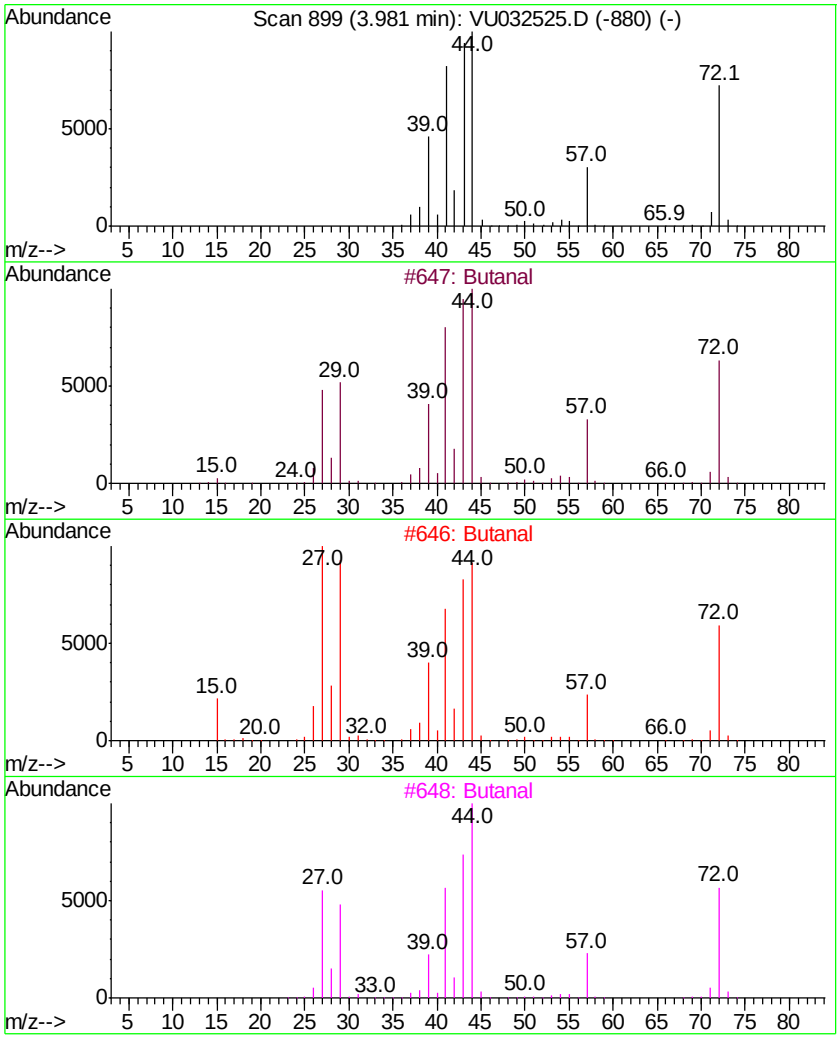
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

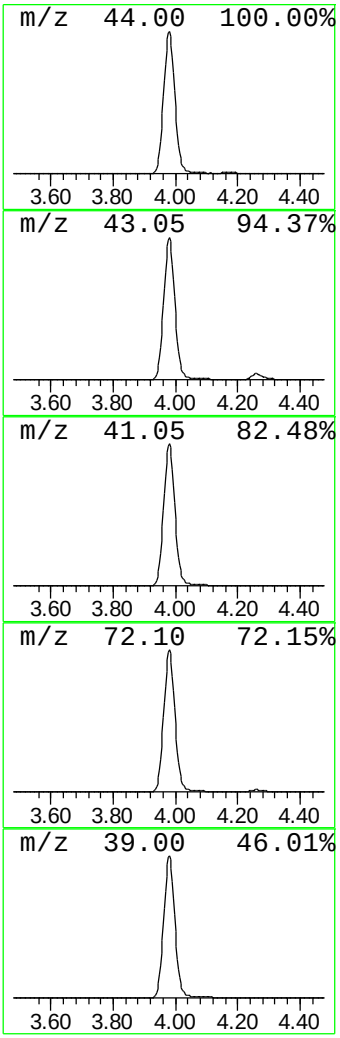
****

Peak Number 3 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	571.07 ug/L	5823620	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	64
4	Butanal	72	C4H8O	000123-72-8	50
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

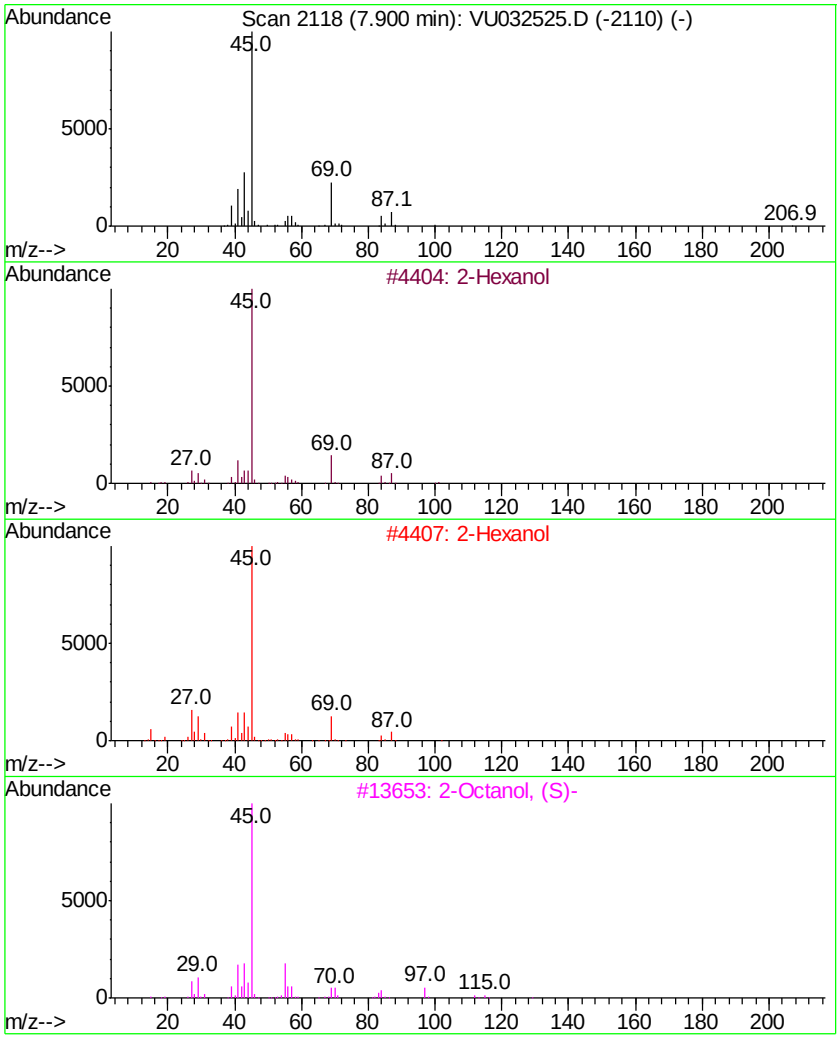
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

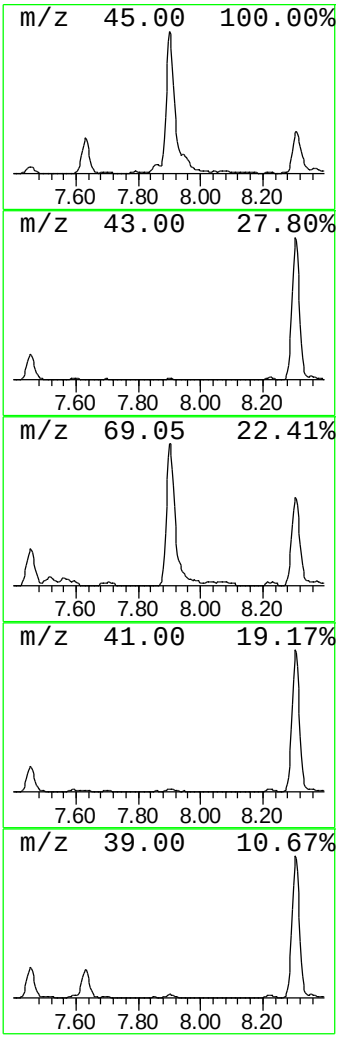
****

Peak Number 5 2-Hexanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	8.39 ug/L	118224	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Octanol, (S)-	130	C8H18O	006169-06-8	78
4	2-Octanol, (R)-	130	C8H18O	005978-70-1	78
5	2-Heptanol	116	C7H16O	000543-49-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

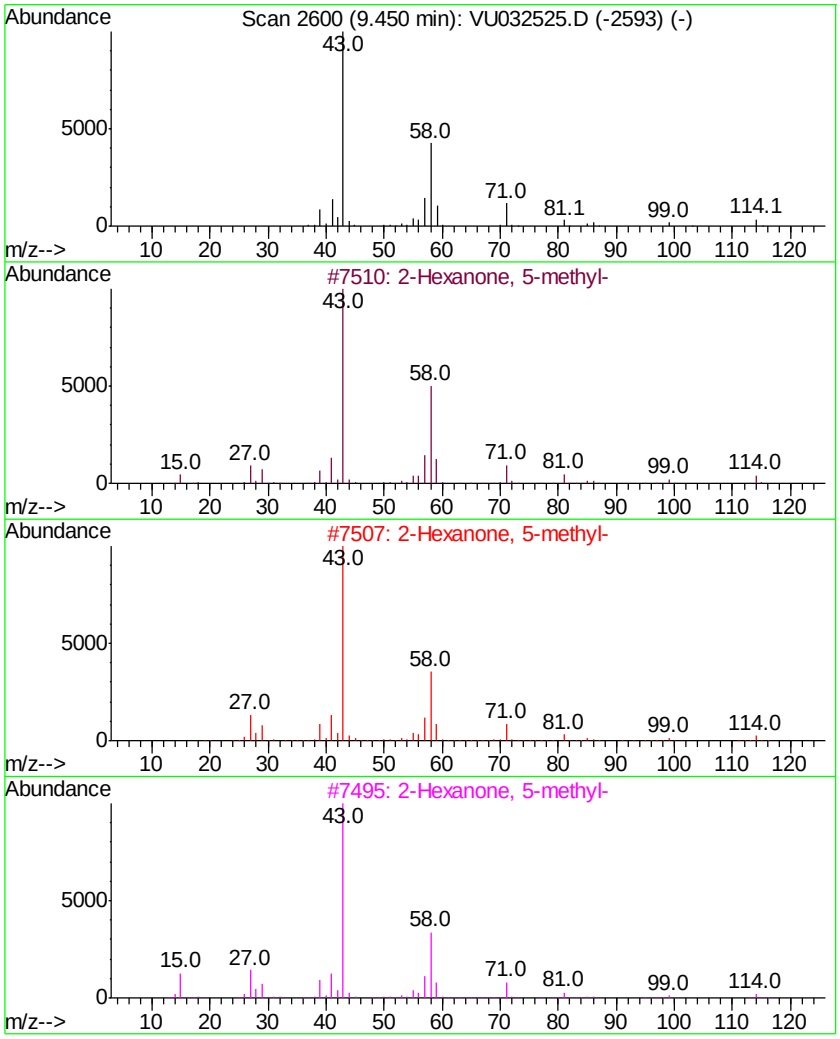
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

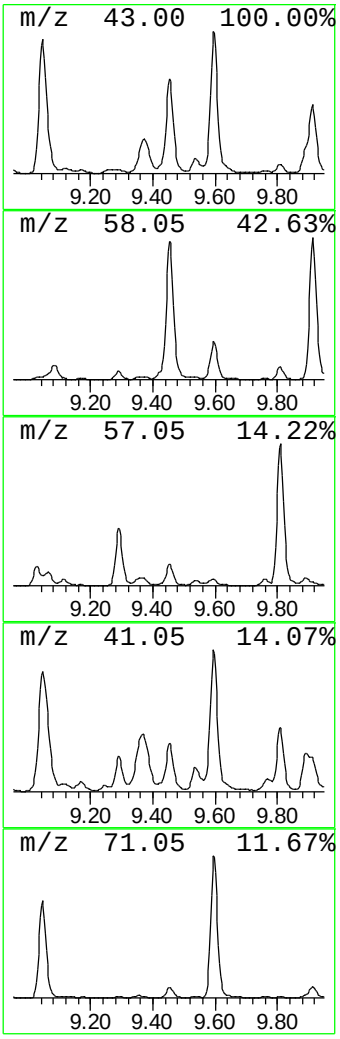
****

Peak Number 6 2-Hexanone, 5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	26.35 ug/L	371551	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	90
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

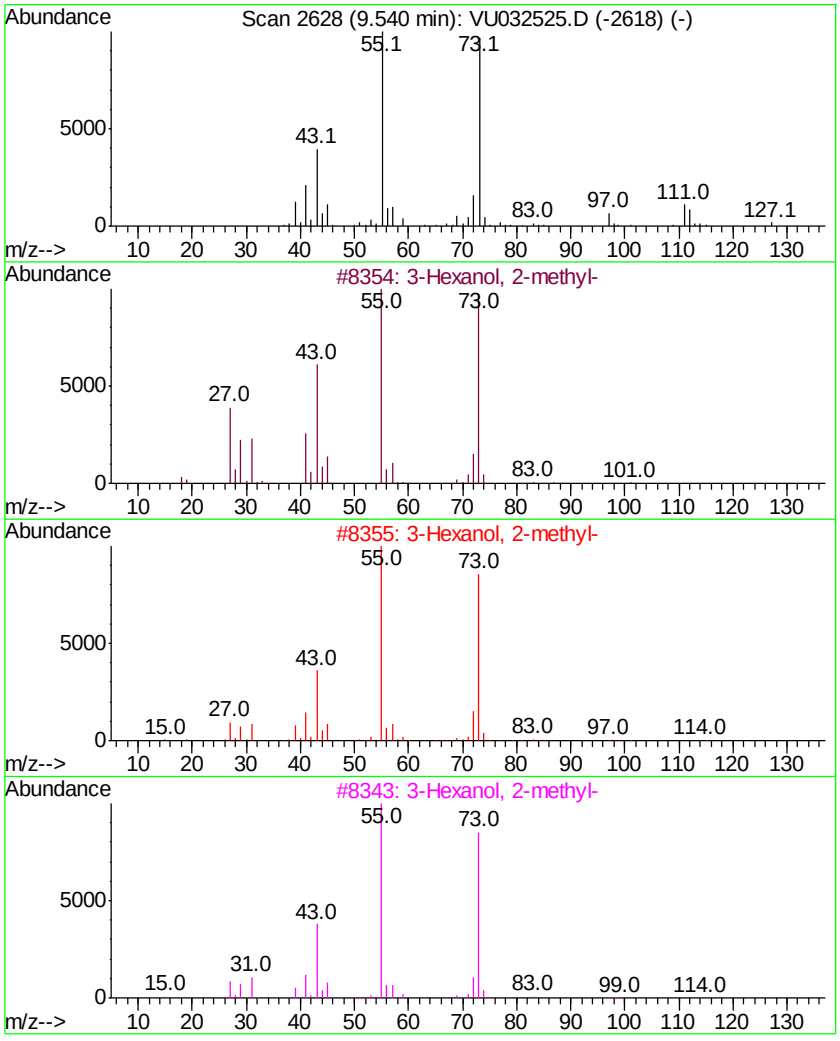
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

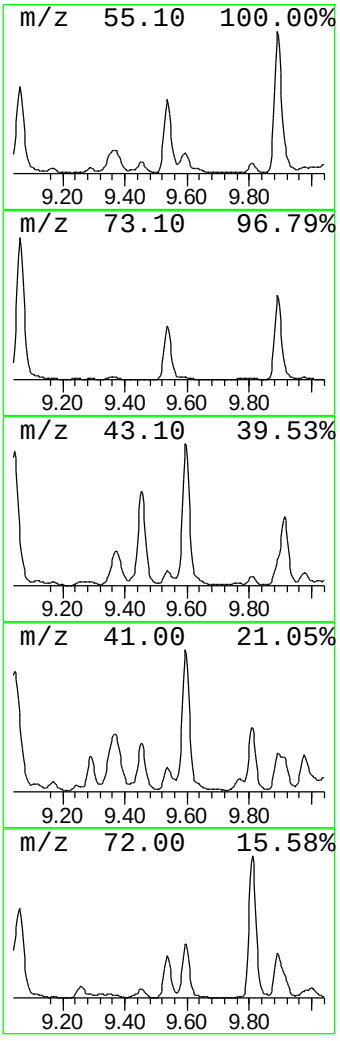
****

Peak Number 7 3-Hexanol, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	14.76 ug/L	208043	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	58
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	53
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	53
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	53
5	4-Heptanol	116	C7H16O	000589-55-9	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

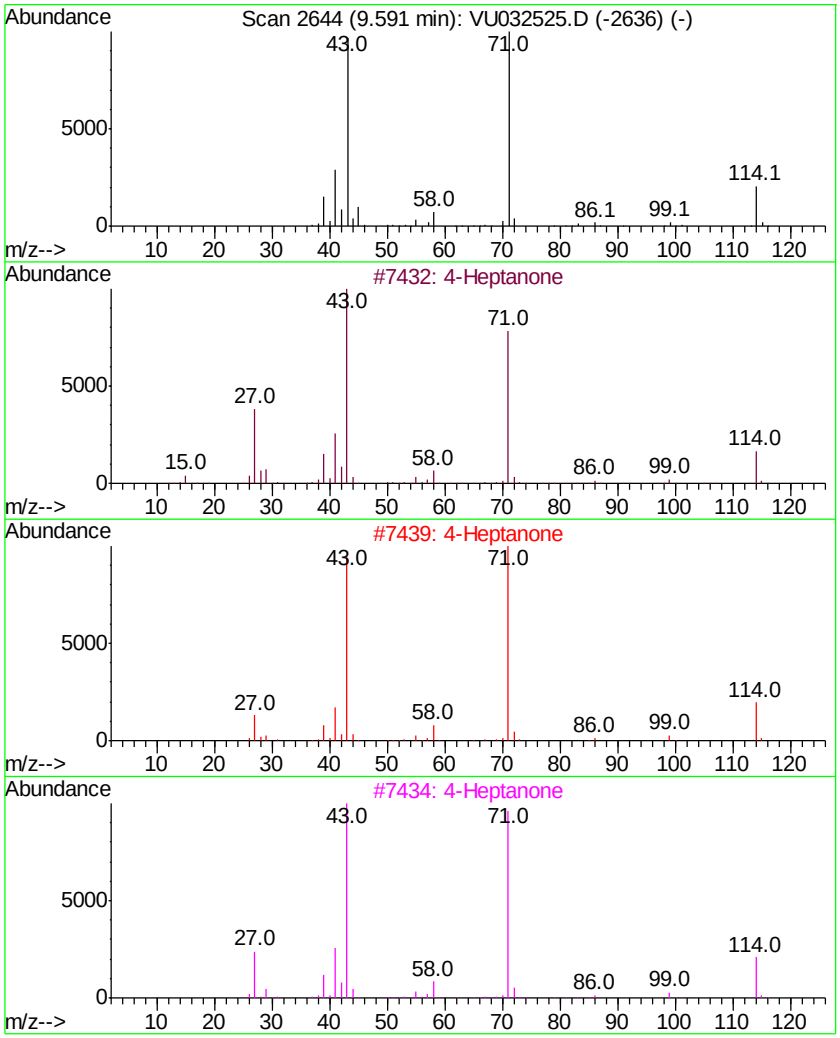
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

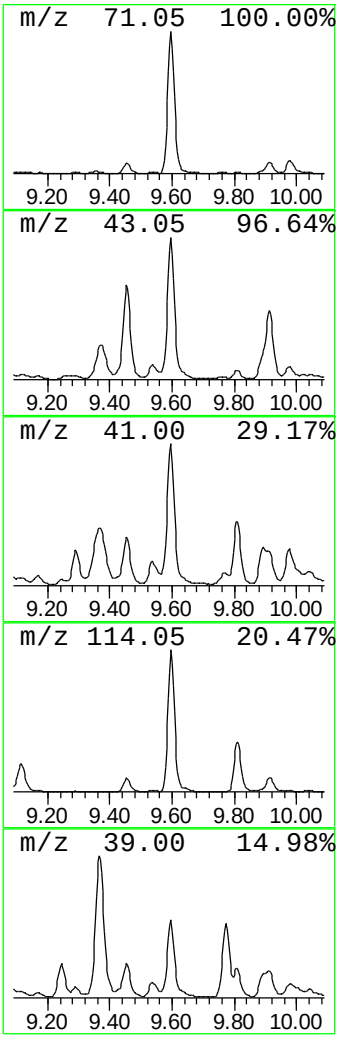
****

Peak Number 8 4-Heptanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	51.84 ug/L	730903	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	91
2	4-Heptanone	114	C7H14O	000123-19-3	91
3	4-Heptanone	114	C7H14O	000123-19-3	91
4	4-Heptanone	114	C7H14O	000123-19-3	72
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

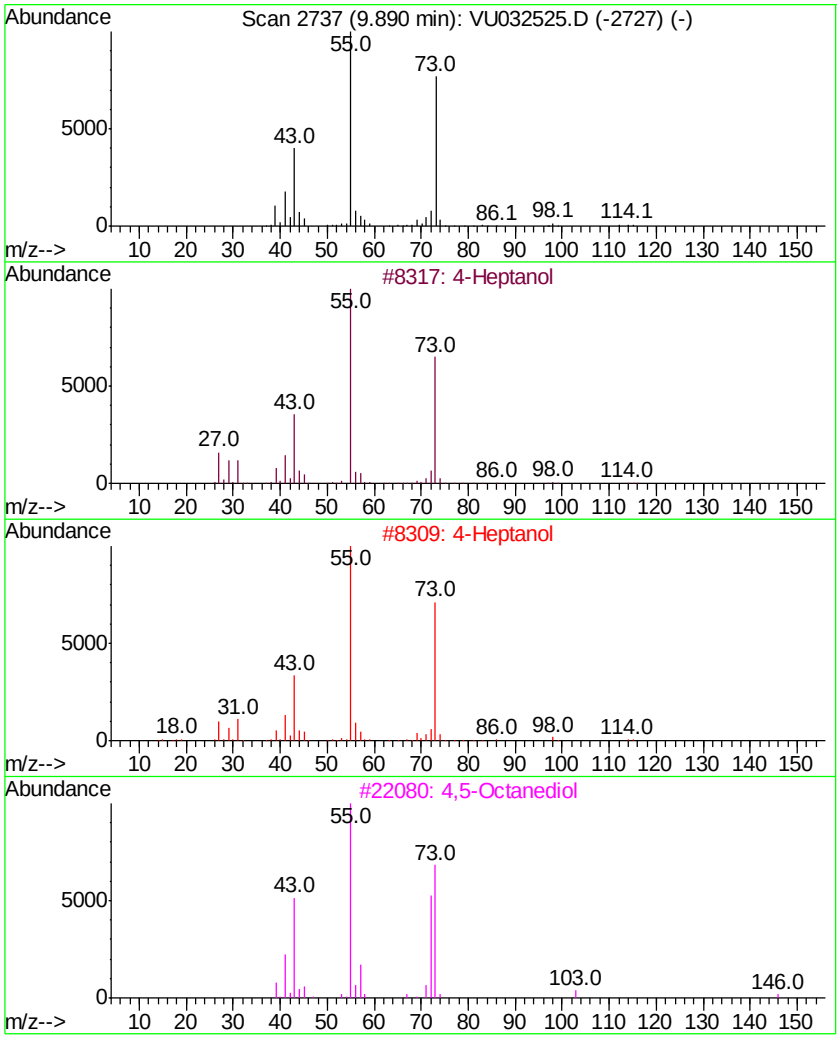
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

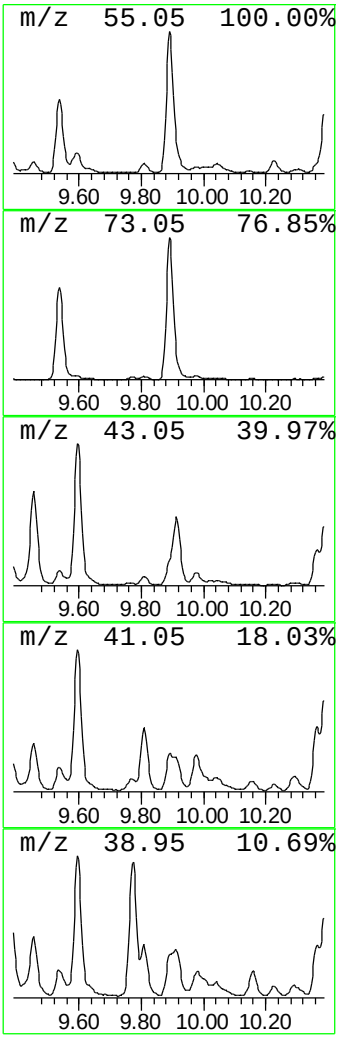
****

Peak Number 9 4-Heptanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	16.39 ug/L	231147	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanol	116	C7H16O	000589-55-9	64
2	4-Heptanol	116	C7H16O	000589-55-9	64
3	4,5-Octanediol	146	C8H18O2	022607-10-9	42
4	4-Heptanol	116	C7H16O	000589-55-9	40
5	5-Hydroxy-4-octanone	144	C8H16O2	000496-77-5	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

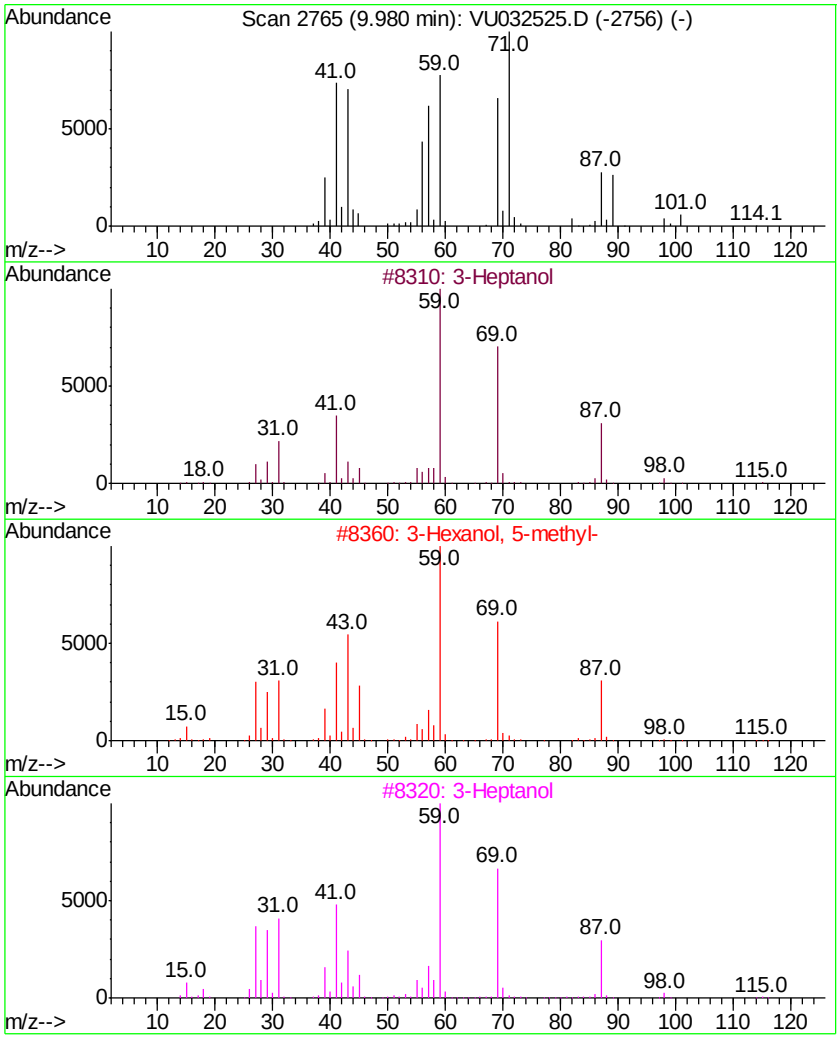
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

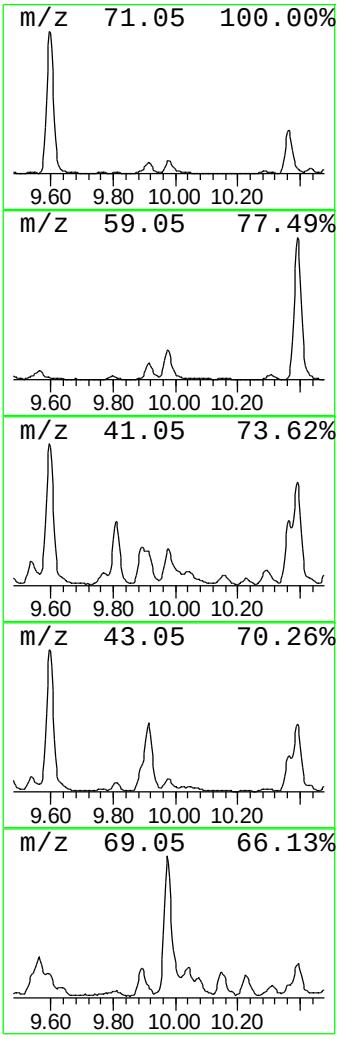
****

Peak Number 10 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	11.87 ug/L	167411	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanol	116	C7H16O	000589-82-2	43
2	3-Hexanol, 5-methyl-	116	C7H16O	000623-55-2	43
3	3-Heptanol	116	C7H16O	000589-82-2	43
4	3-Heptanol	116	C7H16O	000589-82-2	43
5	3-Heptanol	116	C7H16O	000589-82-2	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

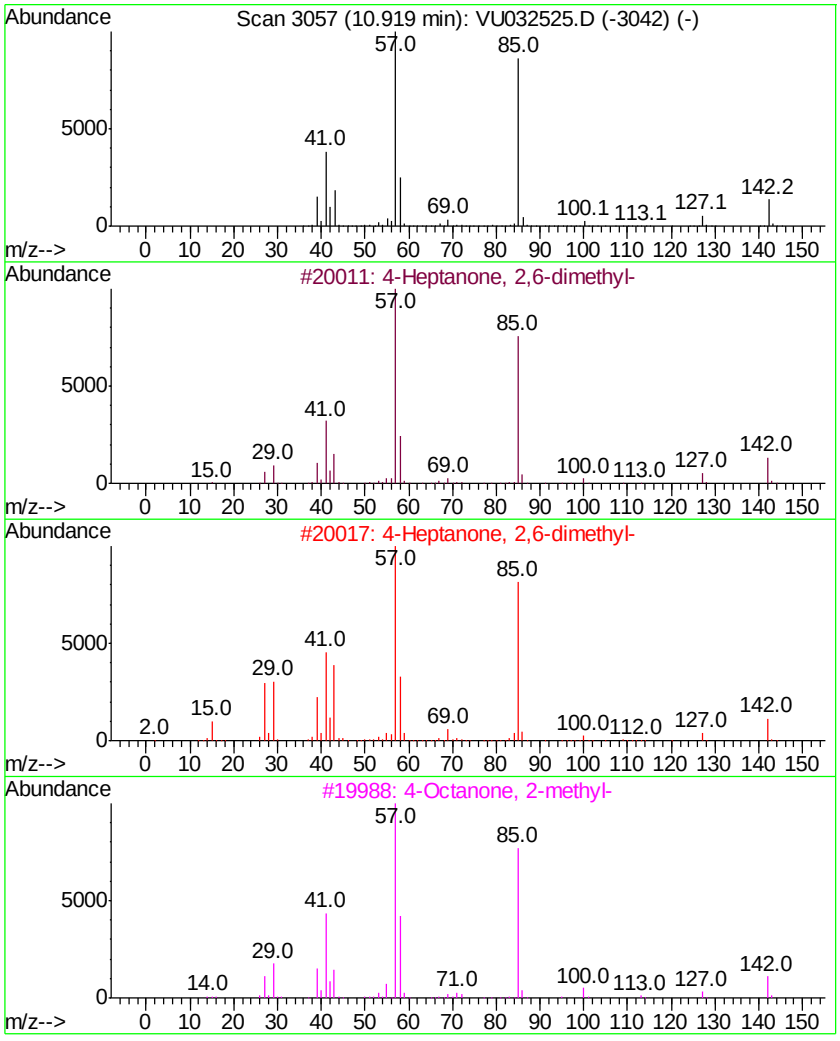
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

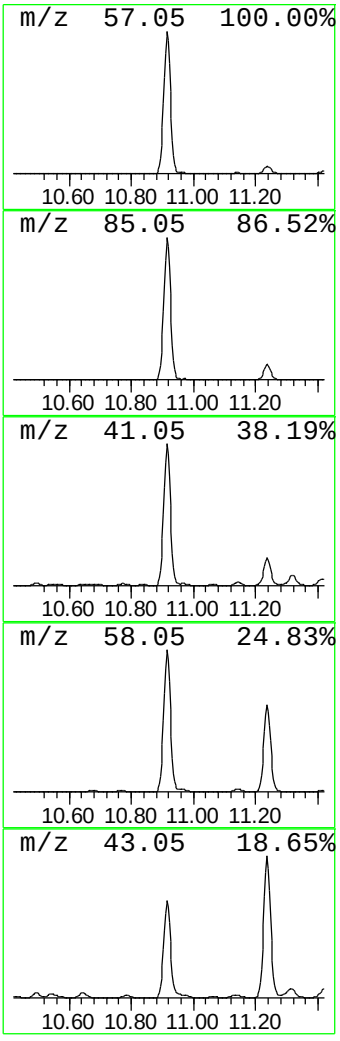
****

Peak Number 11 4-Heptanone, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	13.55 ug/L	11997700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	72
4	5-Nonanone	142	C9H18O	000502-56-7	64
5	5-Nonanone	142	C9H18O	000502-56-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

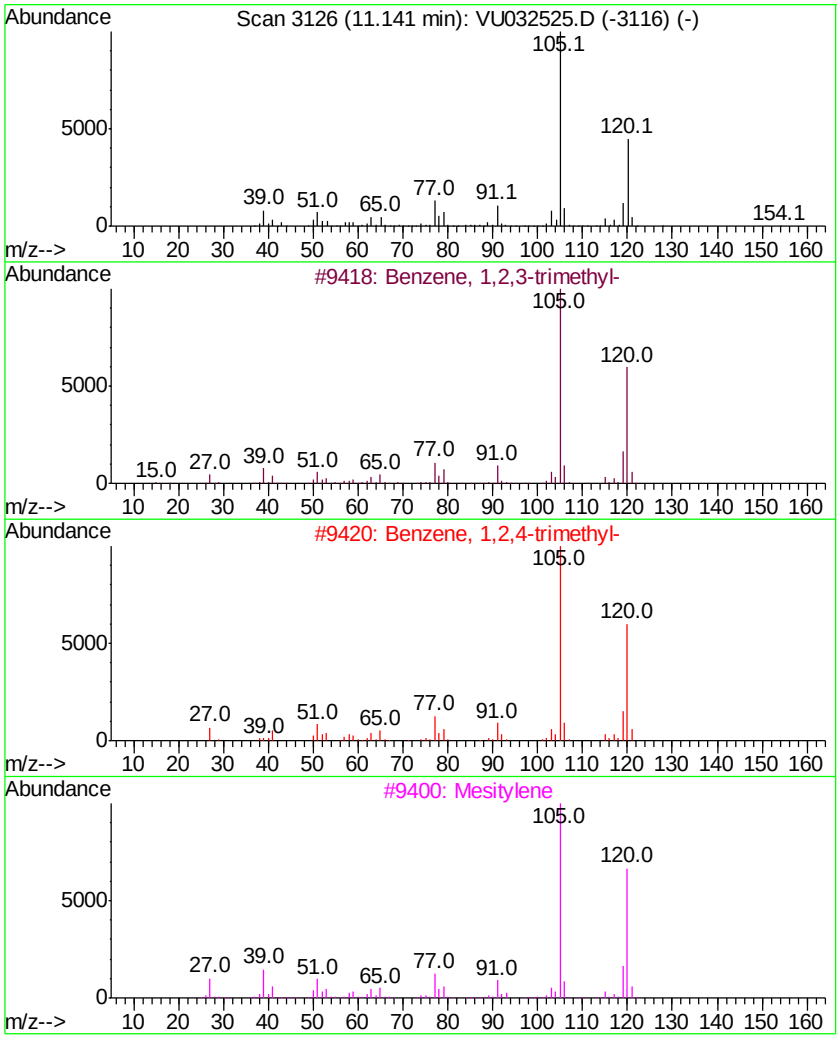
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

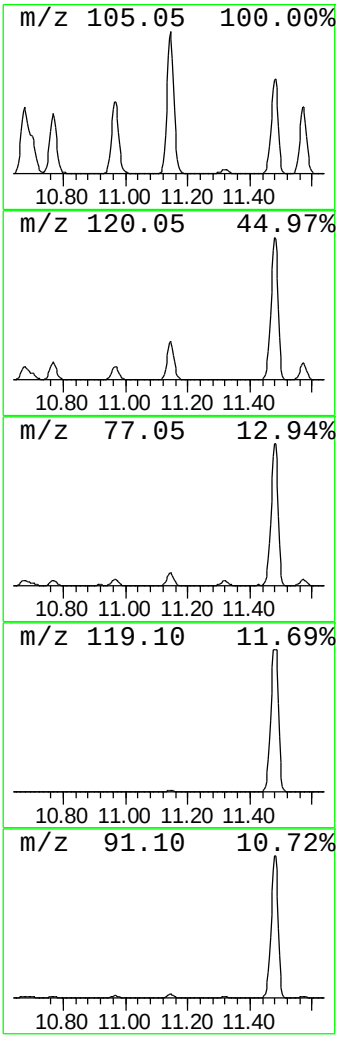
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	3.07 ug/L	2716510	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

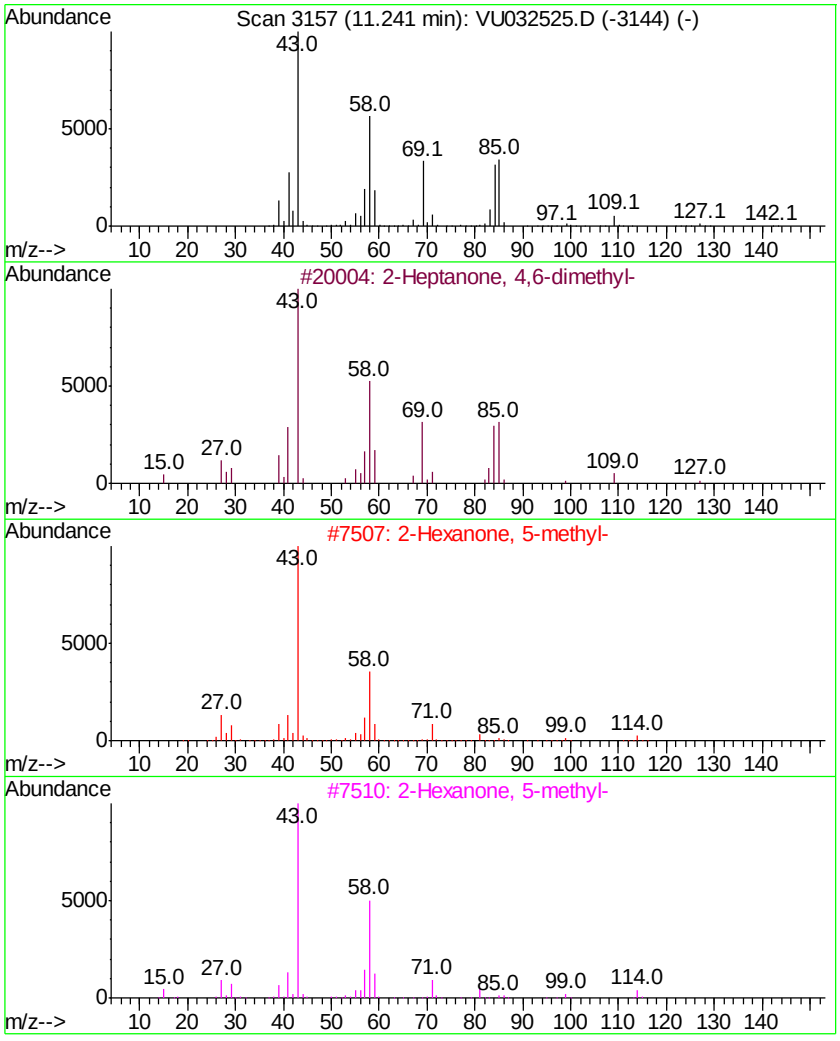
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

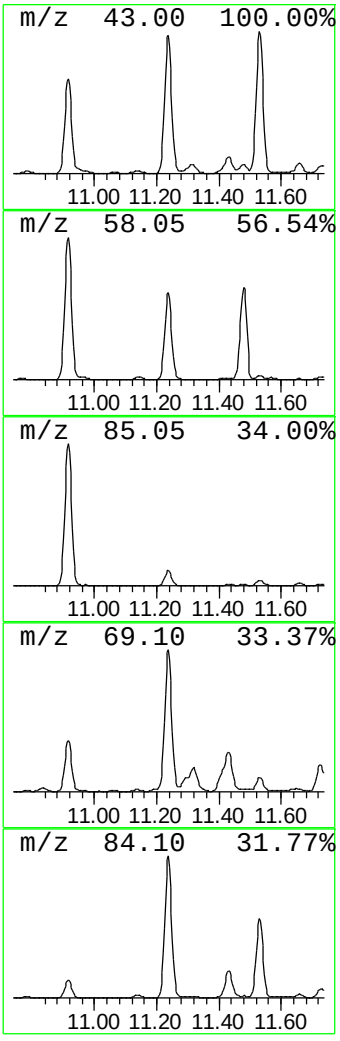
****

Peak Number 13 2-Heptanone, 4,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	4.27 ug/L	3776810	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	90
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	50
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

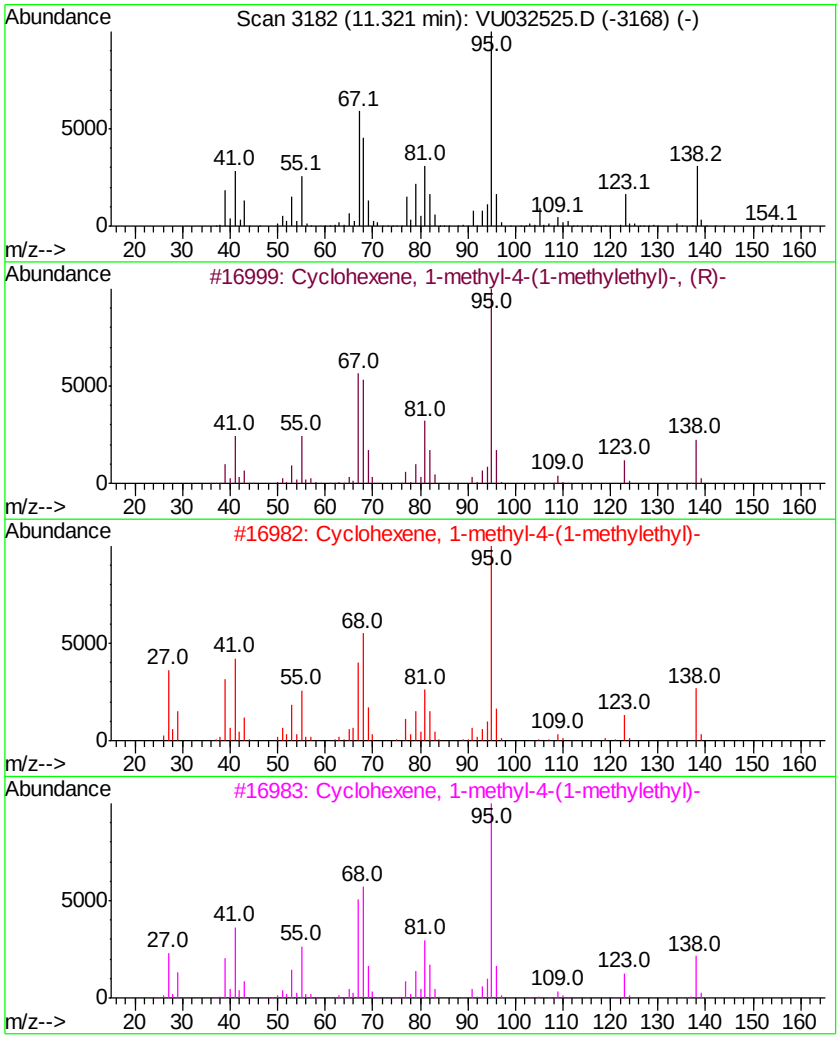
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

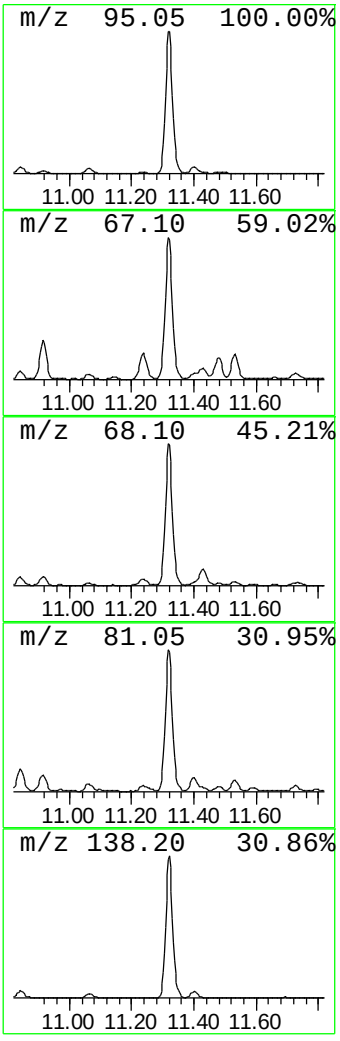
****

Peak Number 14 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	2.51 ug/L	2224280	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	95
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	90
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	89
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

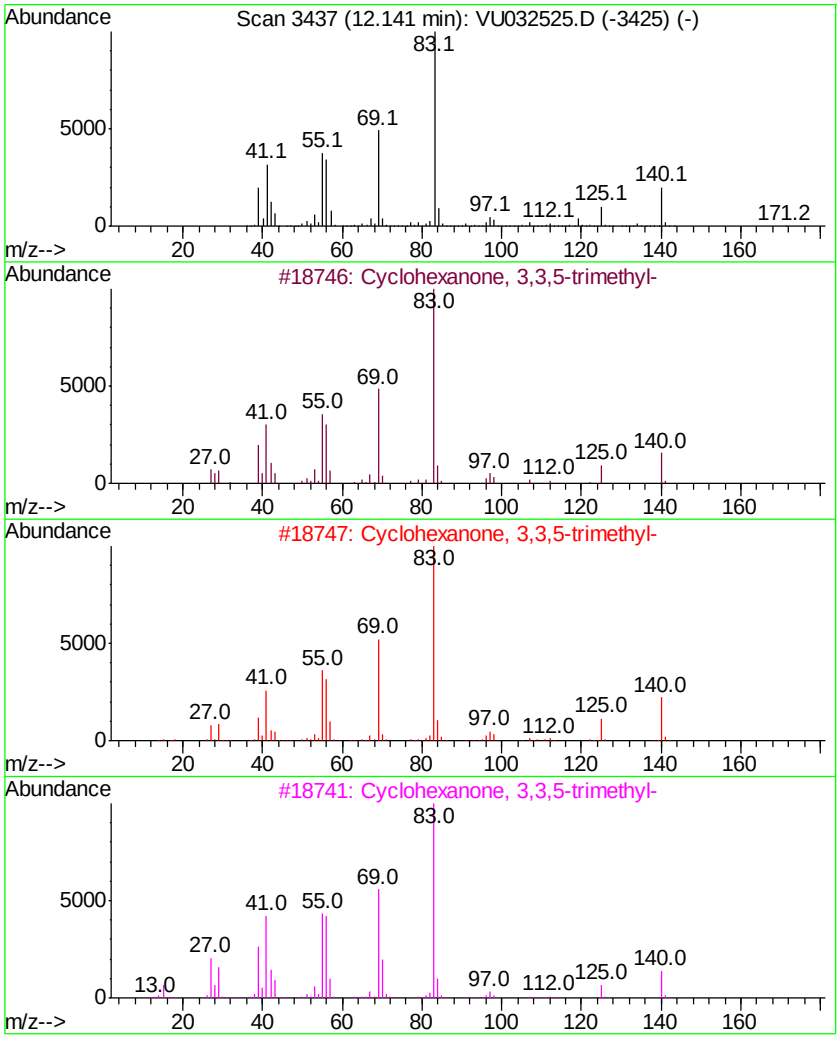
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

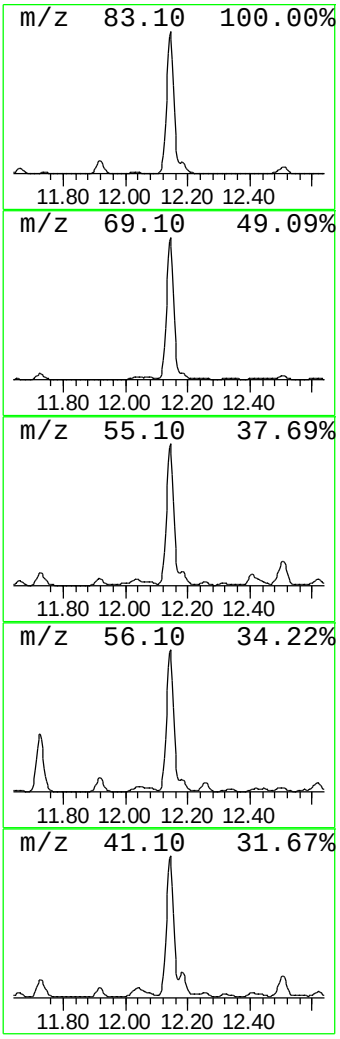
****

Peak Number 15 Cyclohexanone, 3,3,5-trimet... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	14.06 ug/L	12446300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

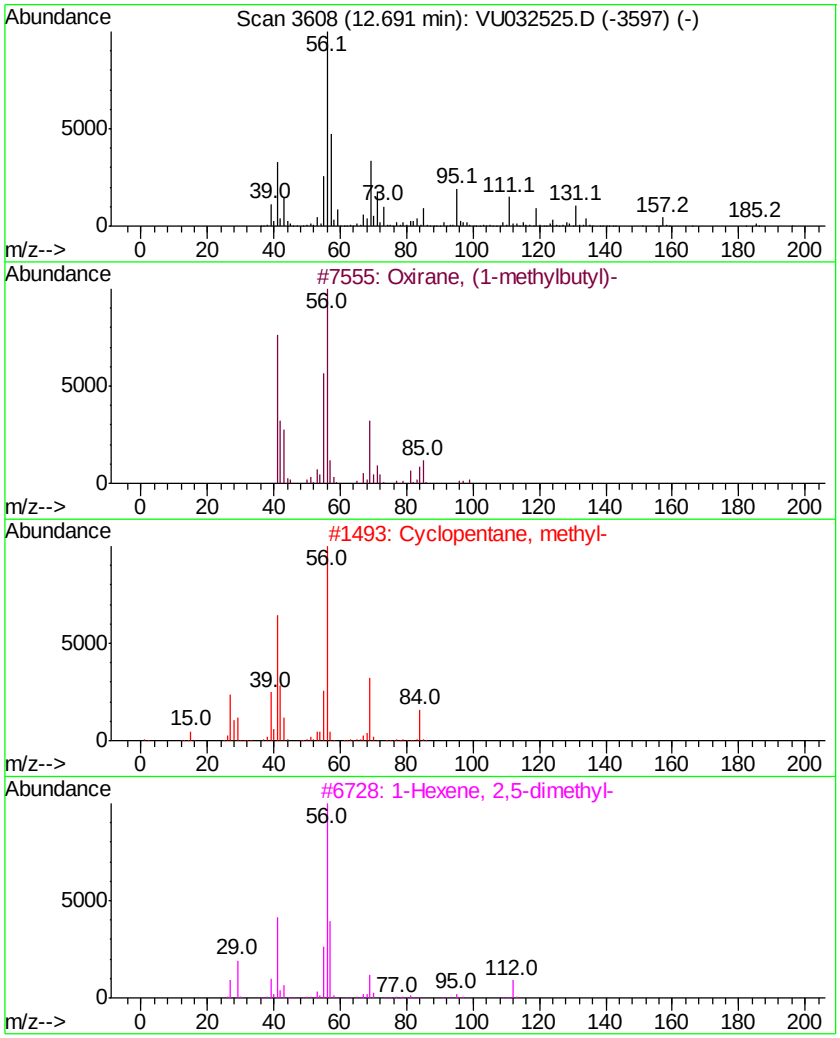
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

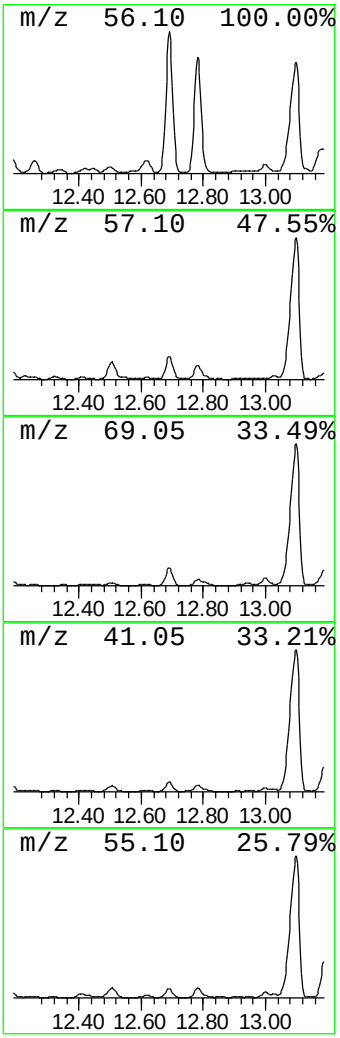
****

Peak Number 16 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	3.93 ug/L	3481630	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	37
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	35
3	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35
5	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

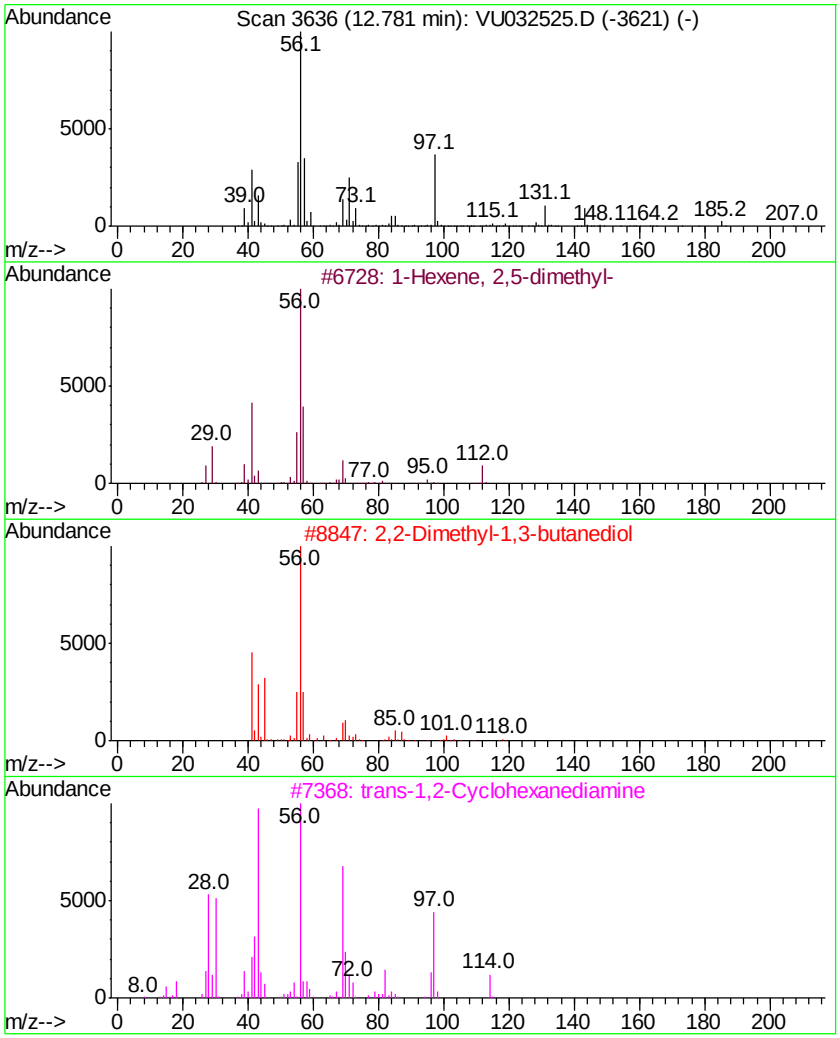
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

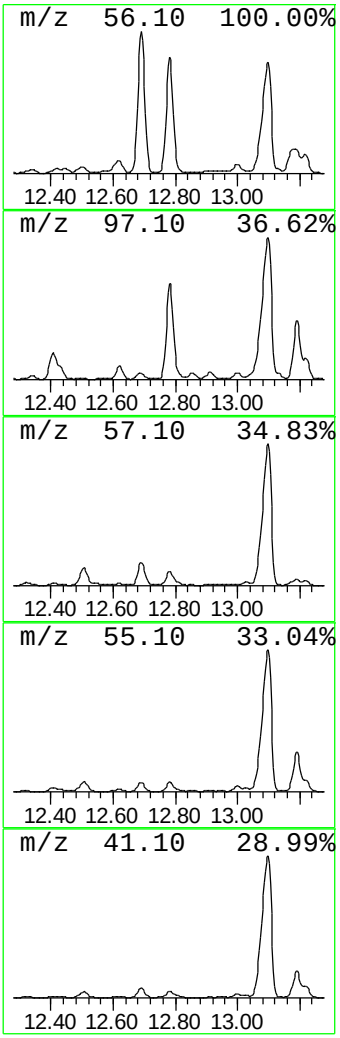
****

Peak Number 17 (DEL) Alkane: Cyclic12.78 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	3.25 ug/L	2880660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38
2	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	38
3	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	33
4	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	33
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

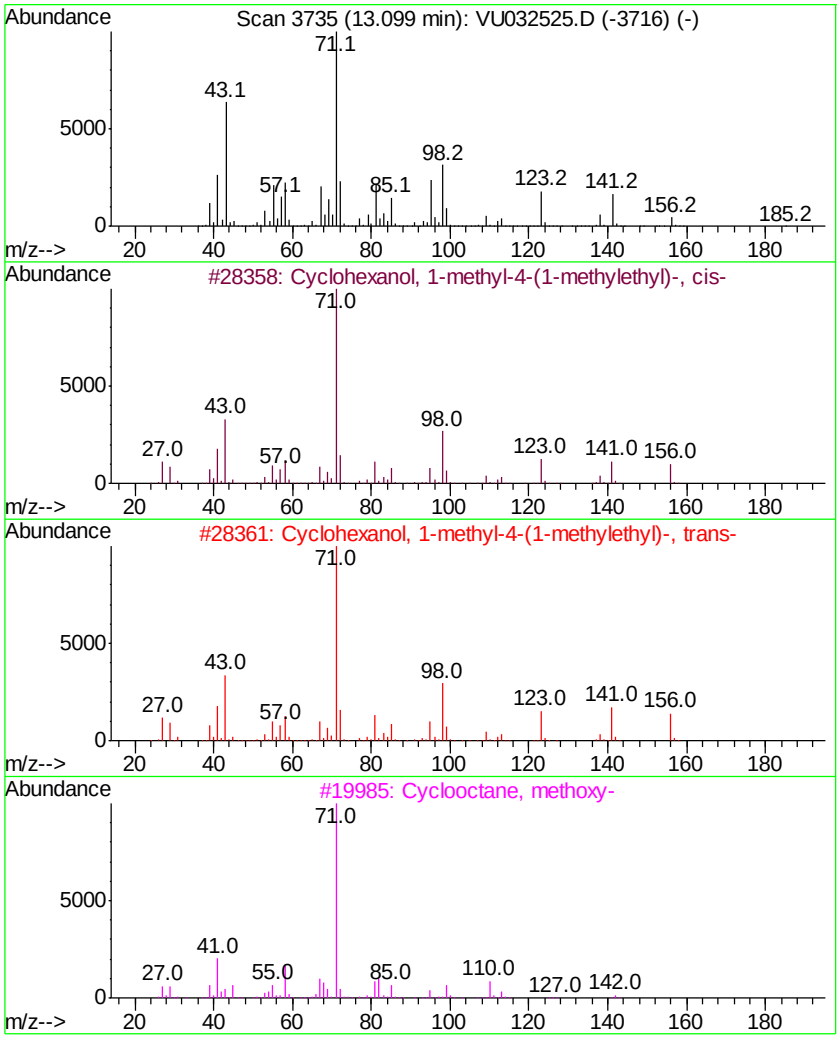
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

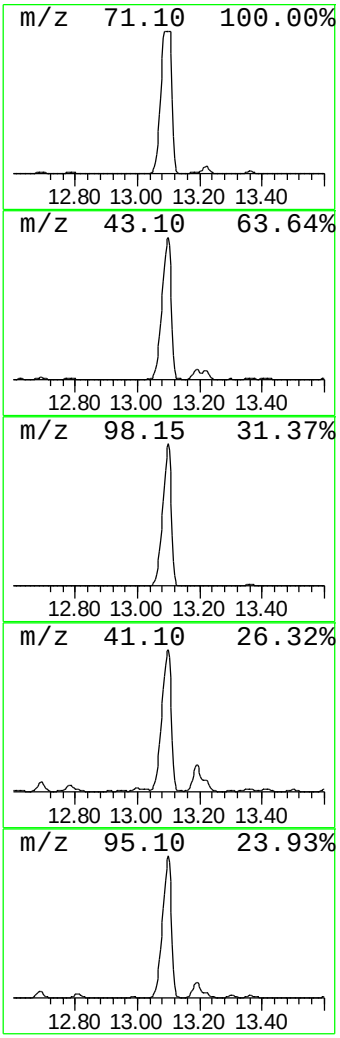
****

Peak Number 18 Cyclohexanol, 1-methyl-4-(1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	118.06 ug/L	104502000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-95-9	59
2	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	50
3	Cyclooctane, methoxy-	142	C9H18O	013213-32-6	43
4	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	42
5	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

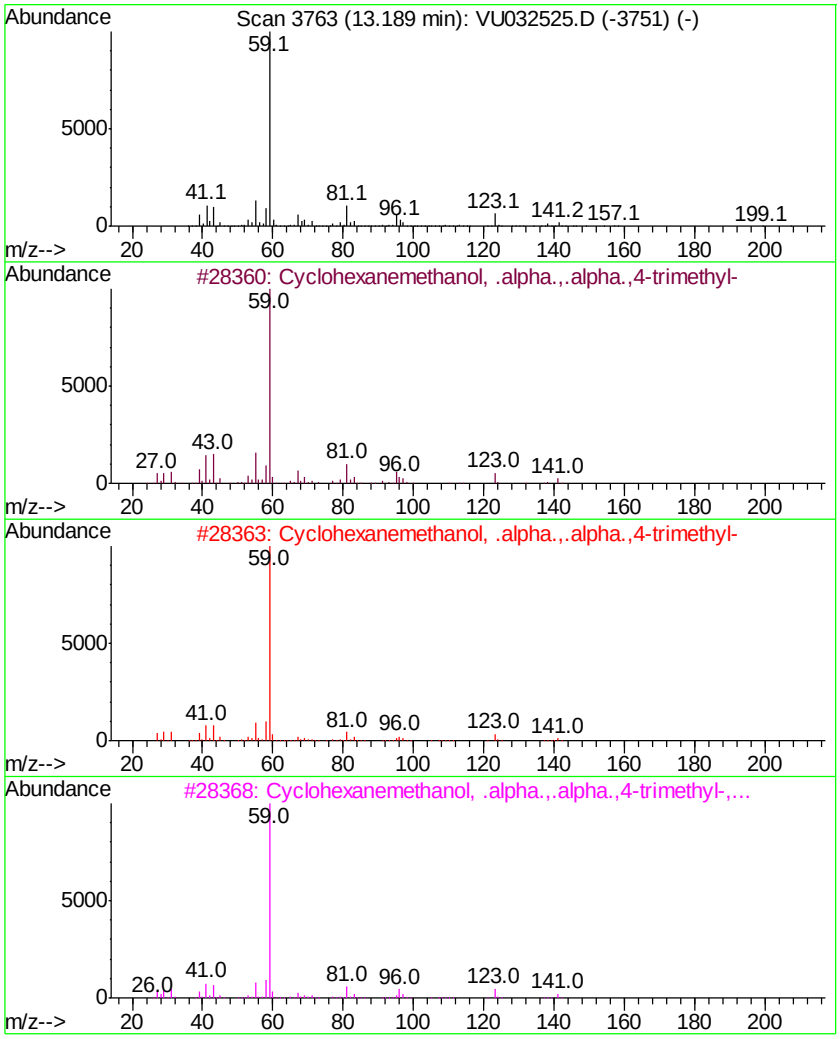
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

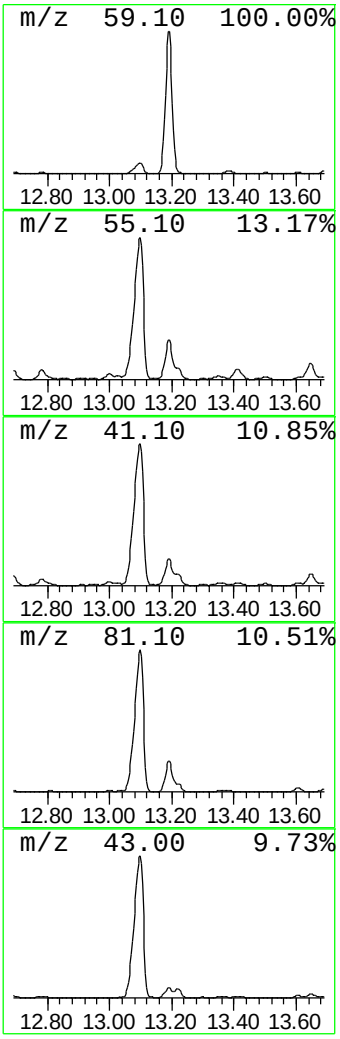
****

Peak Number 19 Cyclohexanemethanol, .alpha... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	16.02 ug/L	14184200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	78
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	78
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	64
5	2,4-Dimethyl-4-penten-2-ol	114	C7H14O	019781-53-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

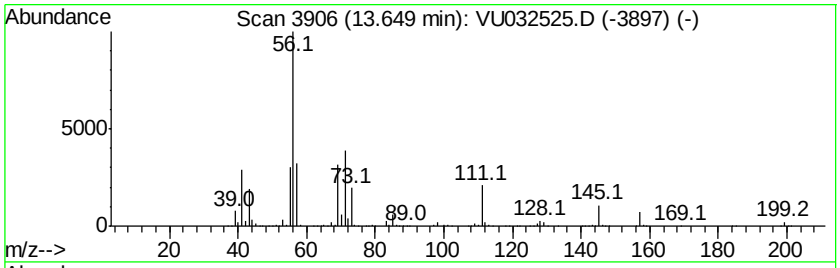
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

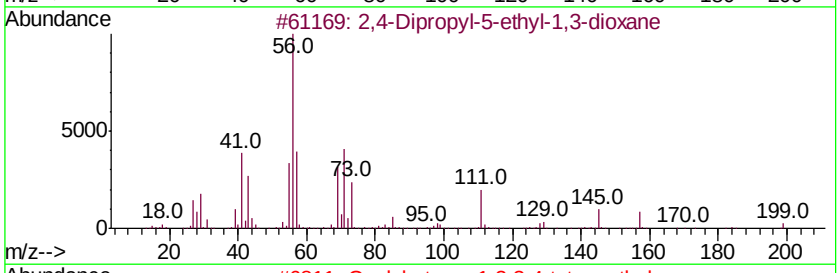
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

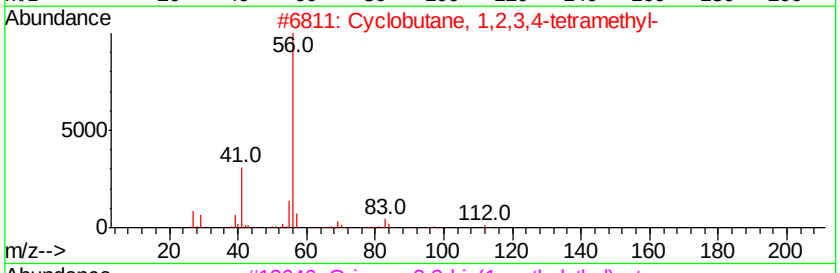
****
Peak Number 20 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 15

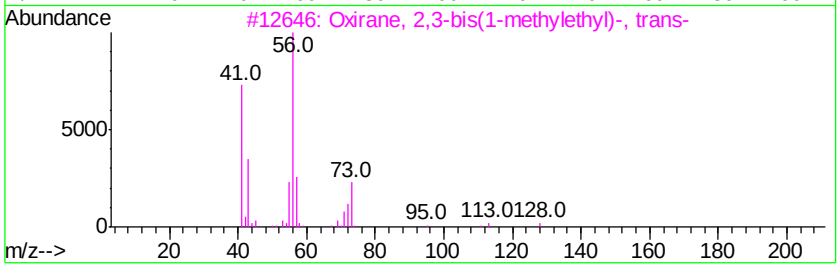
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	5.04 ug/L	4458660	1,4-Dichlorobenzene-d4	11.48

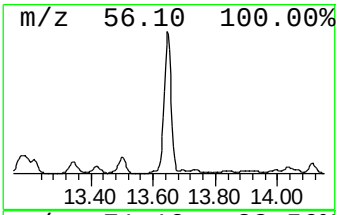
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	58
2	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	27
3	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	25
4	1-Octene, 2-methyl-	126	C9H18	004588-18-5	17
5	1-Octene, 2-methyl-	126	C9H18	004588-18-5	17

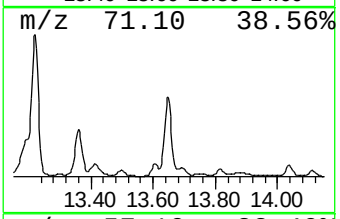


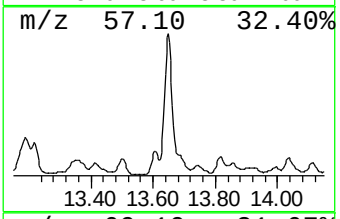


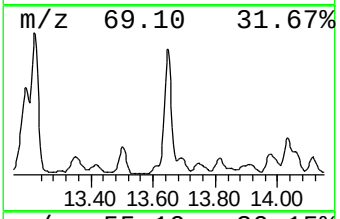


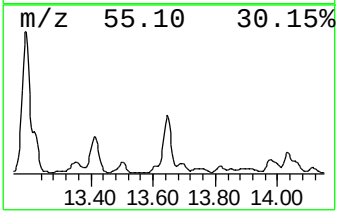












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032525.D
Acq On : 07 Jun 2019 02:53
Operator : JC/SP
Sample : K3215-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.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
Isopropyl Alcohol	2.44	58.9	ug/L	600389	1	5.88	509888	50.0
Propanal, 2-methyl-	3.18	81.9	ug/L	834852	1	5.88	509888	50.0
Butanal	3.98	571.1	ug/L	5823620	1	5.88	509888	50.0
2-Hexanol	7.90	8.4	ug/L	118224	2	9.08	704956	50.0
2-Hexanone, 5-met...	9.45	26.4	ug/L	371551	2	9.08	704956	50.0
3-Hexanol, 2-methyl-	9.54	14.8	ug/L	208043	2	9.08	704956	50.0
4-Heptanone	9.59	51.8	ug/L	730903	2	9.08	704956	50.0
4-Heptanol	9.89	16.4	ug/L	231147	2	9.08	704956	50.0
unknown-01	9.98	11.9	ug/L	167411	2	9.08	704956	50.0
4-Heptanone, 2,6-...	10.92	13.6	ug/L	11997700	3	11.48	44259300	50.0
Benzene, 1,2,3-tr...	11.14	3.1	ug/L	2716510	3	11.48	44259300	50.0
2-Heptanone, 4,6-...	11.24	4.3	ug/L	3776810	3	11.48	44259300	50.0
Cyclohexene, 1-me...	11.32	2.5	ug/L	2224280	3	11.48	44259300	50.0
Cyclohexanone, 3,...	12.14	14.1	ug/L	12446300	3	11.48	44259300	50.0
unknown-02	12.69	3.9	ug/L	3481630	3	11.48	44259300	50.0
(DEL) Alkane: Cyc...	12.78	3.3	ug/L	2880660	3	11.48	44259300	50.0
Cyclohexanol, 1-m...	13.10	118.1	ug/L	104502000	3	11.48	44259300	50.0
Cyclohexanemethan...	13.19	16.0	ug/L	14184200	3	11.48	44259300	50.0
2,4-Dipropyl-5-et...	13.65	5.0	ug/L	4458660	3	11.48	44259300	50.0