LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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	1.180	24	28	34	rVB	4211	3644	0.44%	0.038%
2	1.396	87	95	108	rBV	127090	133628	16.18%	1.393%
3	1.675	174	182	201	rVB	91324	114340	13.84%	1.192%
4	2.267	352	366	375	rBV	193943	300989	36.44%	3.137%
5	2.315	375	381	396	rVB	65249	102533	12.41%	1.068%
6	2.441	412	420	433	rVB	7208	12568	1.52%	0.131%
7	2.508	438	441	444	rVB2	525	340	0.04%	0.004%
8	2.534	445	449	452	rVB	434	347	0.04%	0.004%
9	2.695	491	499	510	rVB5	1577	2777	0.34%	0.029%
10	2.817	531	537	539	rBV3	877	916	0.11%	0.010%
11	3.180	637	650	667	rBV	9603	21988	2.66%	0.229%
12	3.280	679	681	690	rVB3	421	384	0.05%	0.004%
13	3.437	721	730	731	rBV	1622	1536	0.19%	0.016%
14	3.550	759	765	771	rVB3	313	502	0.06%	0.005%
15	3.981	886	899	932	rBV2	55079	146025	17.68%	1.522%
16	4.167	946	957	981	rBV	72097	183760	22.25%	1.915%
17	4.508	1059	1063	1069	rVB4	500	553	0.07%	0.006%
18	4.640	1089	1104	1127	rBV	129672	304273	36.84%	3.171%
19	4.884	1174	1180	1191	rBV2	422	649	0.08%	0.007%
20	4.987	1208	1212	1216	rBV2	538	475	0.06%	0.005%
21	5.334	1297	1320	1354	rBV2	275035	825941	100.00%	8.607%
22	5.537	1381	1383	1386	rVV3	375	261	0.03%	0.003%
23	5.881	1475	1490	1515	rBV	249617	489567	59.27%	5.102%
24	6.177	1574	1582	1587	rBV5	2948	5079	0.61%	0.053%
25	6.325	1614	1628	1647	rBV	175781	351403	42.55%	3.662%
26	6.437	1656	1663	1676	rVB8	1788	3864	0.47%	0.040%
27	7.222	1894	1907	1934	rBV	102590	187903	22.75%	1.958%
28	7.366	1949	1952	1955	rBV2	456	358	0.04%	0.004%
29	7.383	1955	1957	1961	rVB2	558	296	0.04%	0.003%
30	7.457	1969	1980	1999	rBV2	32725	59503	7.20%	0.620%
31	7.559	1999	2012	2027	rVV	380715	654578	79.25%	6.821%
32	7.637	2029	2036	2051	rVB	21067	38642	4.68%	0.403%
33	7.846	2090	2101	2118	rBV	69612	123086	14.90%	1.283%
34	8.083	2170	2175	2181	rBV4	248	278	0.03%	0.003%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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	8.238	2214	2223	2231	rBV5	2146	3851	0.47%	0.040%
36	8.305	2232	2244	2280	rVV	384005	673747	81.57%	7.021%
37	8.492	2294	2302	2320	rVB2	4205	9252	1.12%	0.096%
38	8.559	2320	2323	2324	rBV	475	287	0.03%	0.003%
39	8.624	2341	2343	2346	rVV2	428	264	0.03%	0.003%
40	8.672	2355	2358	2361	rBV2	390	258	0.03%	0.003%
41	9.083	2465	2486	2506	rBV	362394	632426	76.57%	6.590%
42	9.251	2531	2538	2544	rBV2	5179	7125	0.86%	0.074%
43	9.296	2546	2552	2561	rVV3	6448	10856	1.31%	0.113%
44	9.373	2565	2576	2591	rVB3	30723	53994	6.54%	0.563%
45	9.463	2597	2604	2617	rVB3	5162	9606	1.16%	0.100%
46	9.543	2624	2629	2640	rVB7	1854	3351	0.41%	0.035%
47	9.604	2640	2648	2661	rBV3	6708	11717	1.42%	0.122%
48	9.665	2665	2667	2673	rVB3	445	412	0.05%	0.004%
49	9.778	2691	2702	2710	rBV	14121	23577	2.85%	0.246%
50	9.923	2733	2747	2759	rBV6	4360	12034	1.46%	0.125%
51	10.022	2774	2778	2789	rVB4	1808	3129	0.38%	0.033%
52	10.164	2813	2822	2831	rBV5	2758	4230	0.51%	0.044%
53	10.231	2835	2843	2853	rBV5	1556	2636	0.32%	0.027%
54	10.308	2862	2867	2871	rVB3	843	920	0.11%	0.010%
55	10.392	2876	2893	2897	rBV	88781	142057	17.20%	1.480%
56	10.427	2898	2904	2917	rVB	249883	383036	46.38%	3.992%
57	10.495	2919	2925	2934	rVB3	9155	13177	1.60%	0.137%
58	10.550	2934	2942	2949	rBV4	9247	15788	1.91%	0.165%
59	10.678	2975	2982	2988	rBV	12267	18676	2.26%	0.195%
60	10.778	3003	3013	3024	rVB2	32411	58838	7.12%	0.613%
61	10.913	3042	3055	3065	rBV2	141665	213446	25.84%	2.224%
62	10.968	3065	3072	3085	rVB	21058	34301	4.15%	0.357%
63	11.064	3095	3102	3110	rBV2	4944	7676	0.93%	0.080%
64	11.144	3117	3127	3139	rBV	34097	51907	6.28%	0.541%
65	11.234	3144	3155	3171	rBV2	86110	151084	18.29%	1.574%
66	11.405	3197	3208	3212	rBV4	10771	17132	2.07%	0.179%
67	11.479	3220	3231	3239	rBV	397343	633656	76.72%	6.603%
68	11.530	3239	3247	3268	rVB	482146	765729	92.71%	7.979%
69	11.627	3270	3277	3284	rBV2	9225	13805	1.67%	0.144%
70	11.739	3298	3312	3331	rBV5	39464	119597	14.48%	1.246%
71	11.855	3337	3348	3361	rBV	385758	621696	75.27%	6.479%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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	11.916	3362	3367	3379	rVB2	25702	40732	4.93%	0.424%
73	12.048	3403	3408	3424	rVB4	16601	25586	3.10%	0.267%
74	12.141	3426	3437	3463	rVV	143946	247076	29.91%	2.575%
75	12.251	3464	3471	3486	rVB6	9524	16614	2.01%	0.173%
76	12.405	3511	3519	3524	rBV8	8122	13529	1.64%	0.141%
77	12.508	3539	3551	3560	rBV5	11908	26722	3.24%	0.278%
78	12.691	3599	3608	3624	rVB	40311	64566	7.82%	0.673%
79	12.781	3625	3636	3649	rBV	32782	51709	6.26%	0.539%
80	12.852	3653	3658	3661	rBV3	1468	1541	0.19%	0.016%
81	12.913	3668	3677	3688	rBV8	2409	4850	0.59%	0.051%
82	13.006	3697	3706	3716	rBV6	11515	20903	2.53%	0.218%
83	13.074	3718	3727	3736	rBV3	25174	41144	4.98%	0.429%
84	13.164	3750	3755	3765	rBV5	5063	6748	0.82%	0.070%
85	13.283	3786	3792	3800	rVB7	1973	2961	0.36%	0.031%
86	13.344	3801	3811	3821	rBV6	6202	10760	1.30%	0.112%
87	13.414	3823	3833	3845	rVB4	13426	25541	3.09%	0.266%
88	13.611	3886	3894	3895	rBV3	4555	4579	0.55%	0.048%
89	13.646	3896	3905	3918	rVB2	52192	84025	10.17%	0.876%
90	13.746	3930	3936	3950	rVB3	4457	9452	1.14%	0.098%
91	13.980	4004	4009	4017	rVB7	2312	3435	0.42%	0.036%
92	14.048	4019	4030	4044	rBV10	8385	21366	2.59%	0.223%
93	14.196	4071	4076	4084	rVB7	2522	3276	0.40%	0.034%
94	14.257	4086	4095	4105	rBV3	12856	19391	2.35%	0.202%
95	14.373	4124	4131	4140	rVB4	6532	9889	1.20%	0.103%
96	14.431	4142	4149	4166	rVB4	13418	21393	2.59%	0.223%
97	14.614	4202	4206	4212	rBV3	1163	1246	0.15%	0.013%
98	14.842	4267	4277	4287	rBV3	8052	14565	1.76%	0.152%
99	15.012	4324	4330	4339	rBV7	2653	4017	0.49%	0.042%
100	15.803	4574	4576	4579	rBV2	449	328	0.04%	0.003%

Sum of corrected areas: 9596203

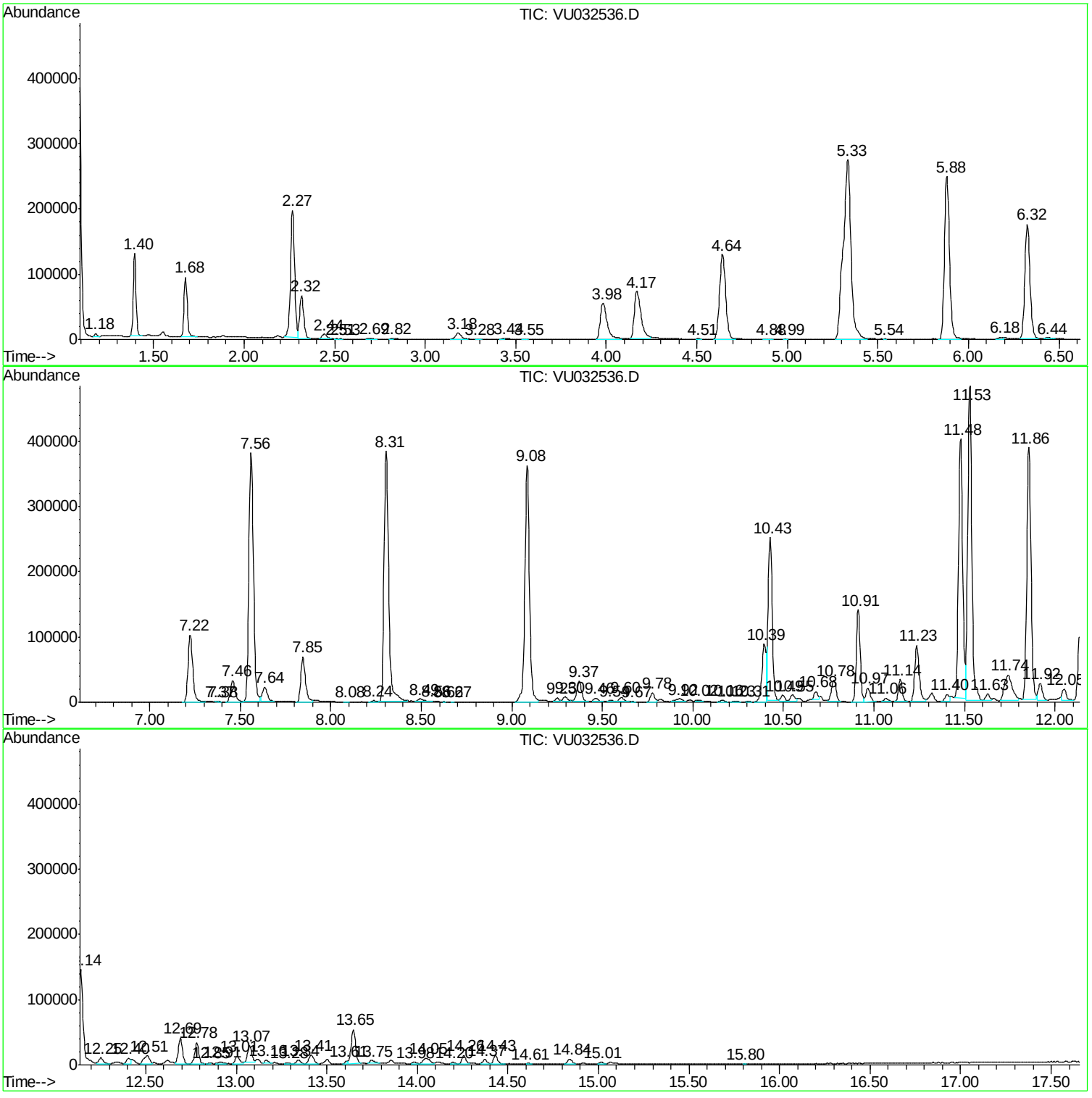
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
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ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

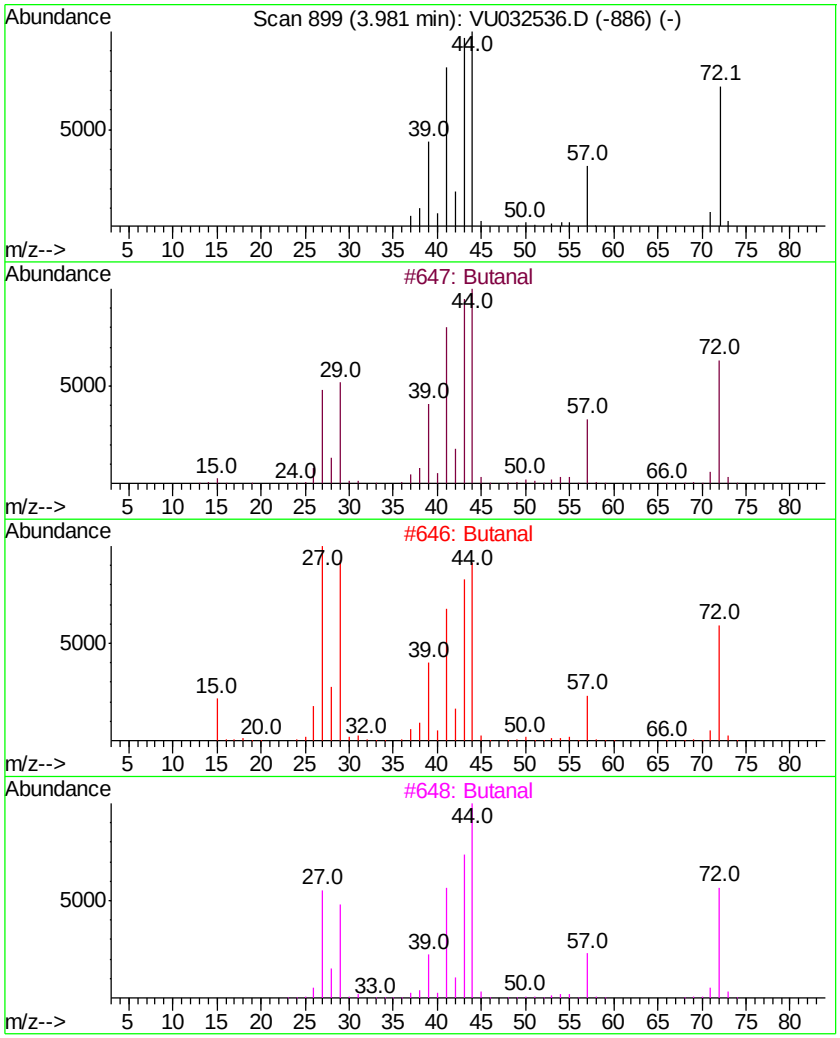
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

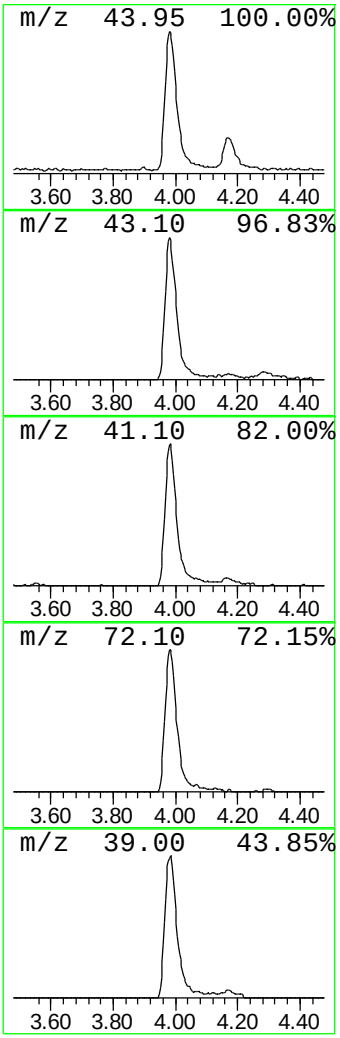
****

Peak Number 1 Butanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	14.91 ug/L	146025	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	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

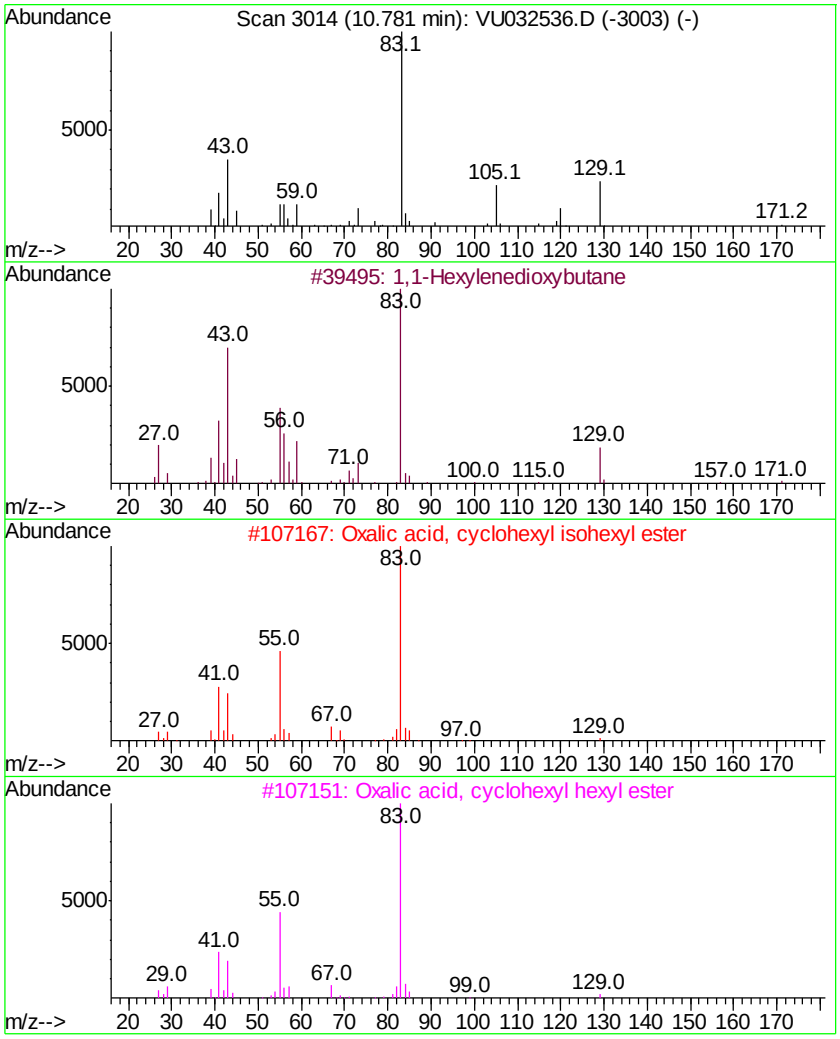
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

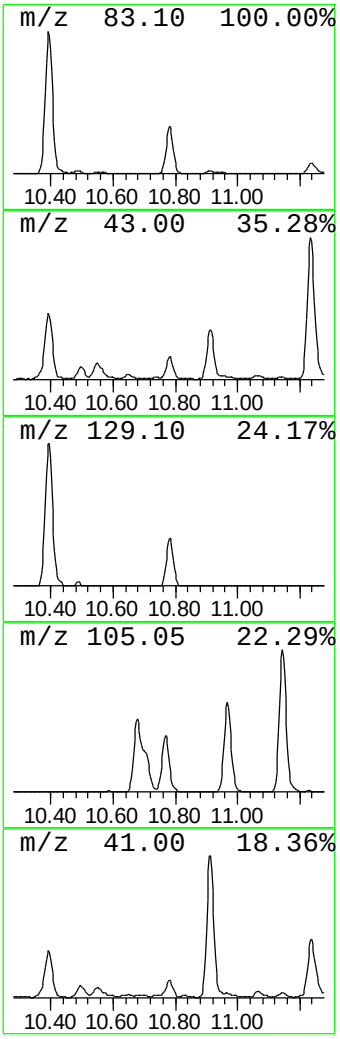
****

Peak Number 3 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	4.64 ug/L	58838	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Hexylenedioxybutane	172	C10H20O2	1000249-77-4	42
2	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	38
3	Oxalic acid, cyclohexyl hexyl ester	256	C14H24O4	1000309-30-8	37
4	Oxalic acid, cyclohexyl decyl ester	312	C18H32O4	1000309-31-2	32
5	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	25





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ClientSampleId : DB8J4DL

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

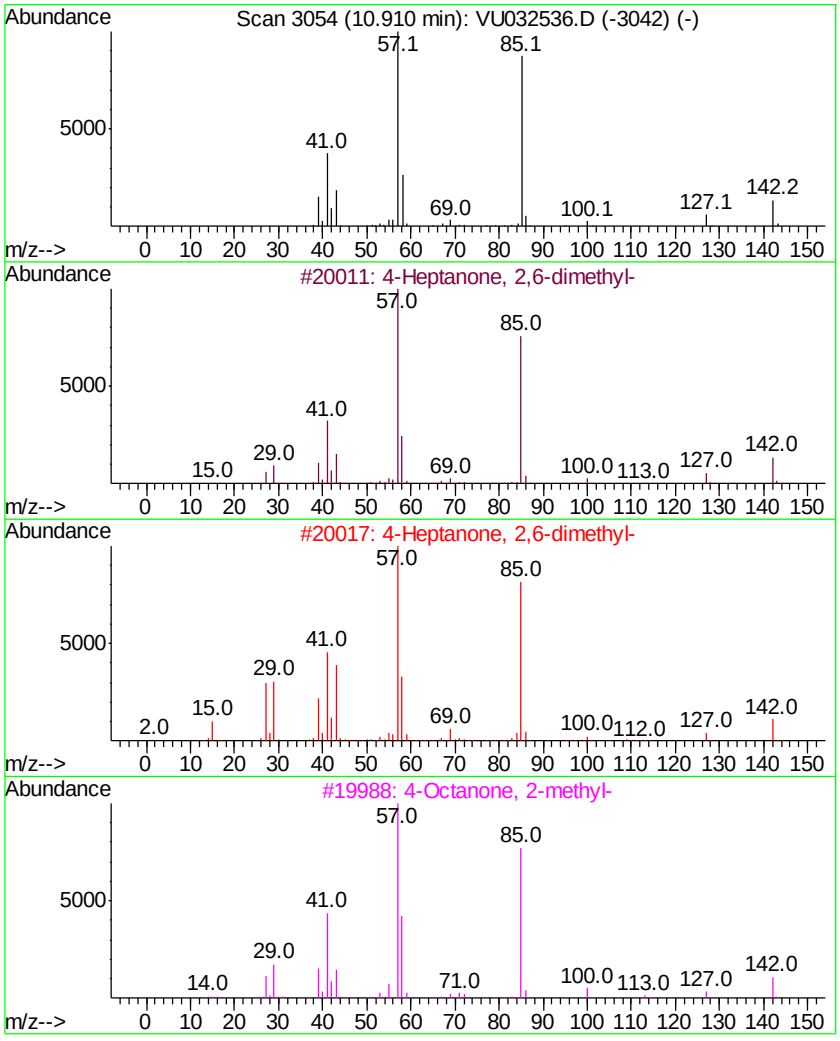
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

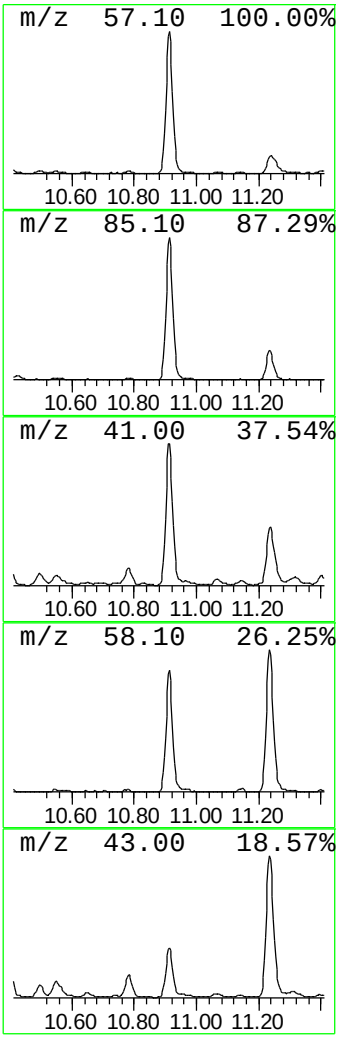
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	16.84 ug/L	213446	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	90
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	80
4	5-Nonanone	142	C9H18O	000502-56-7	64
5	5-Nonanone	142	C9H18O	000502-56-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
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Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

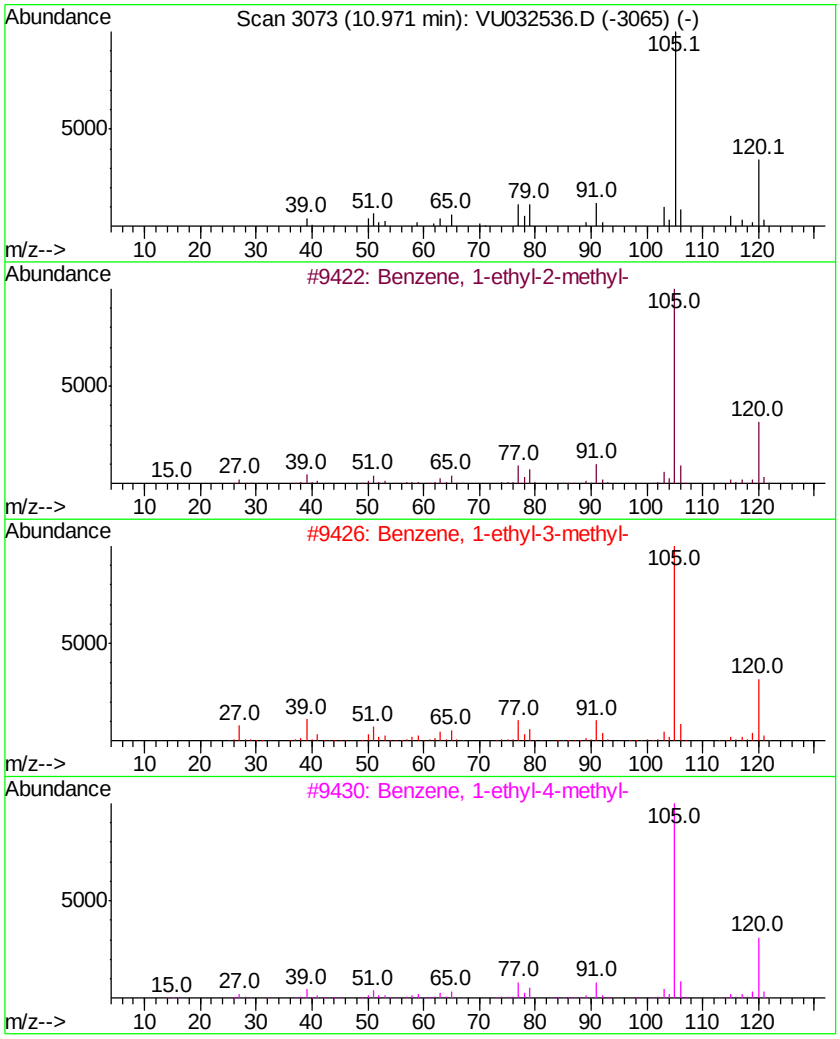
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

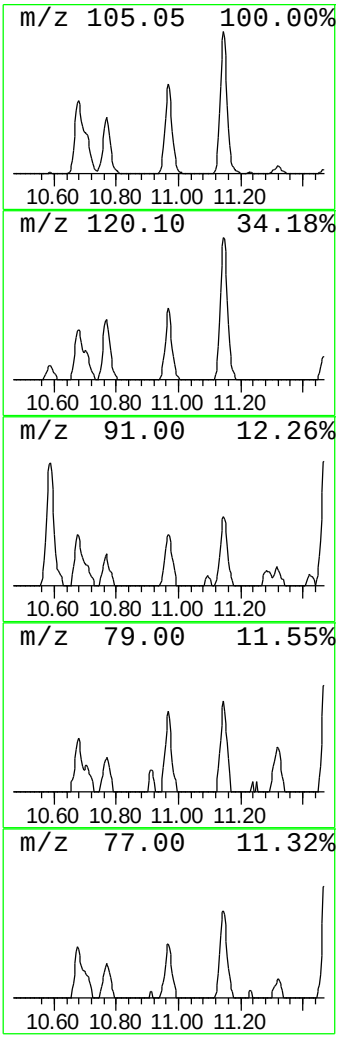
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	2.71 ug/L	34301	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

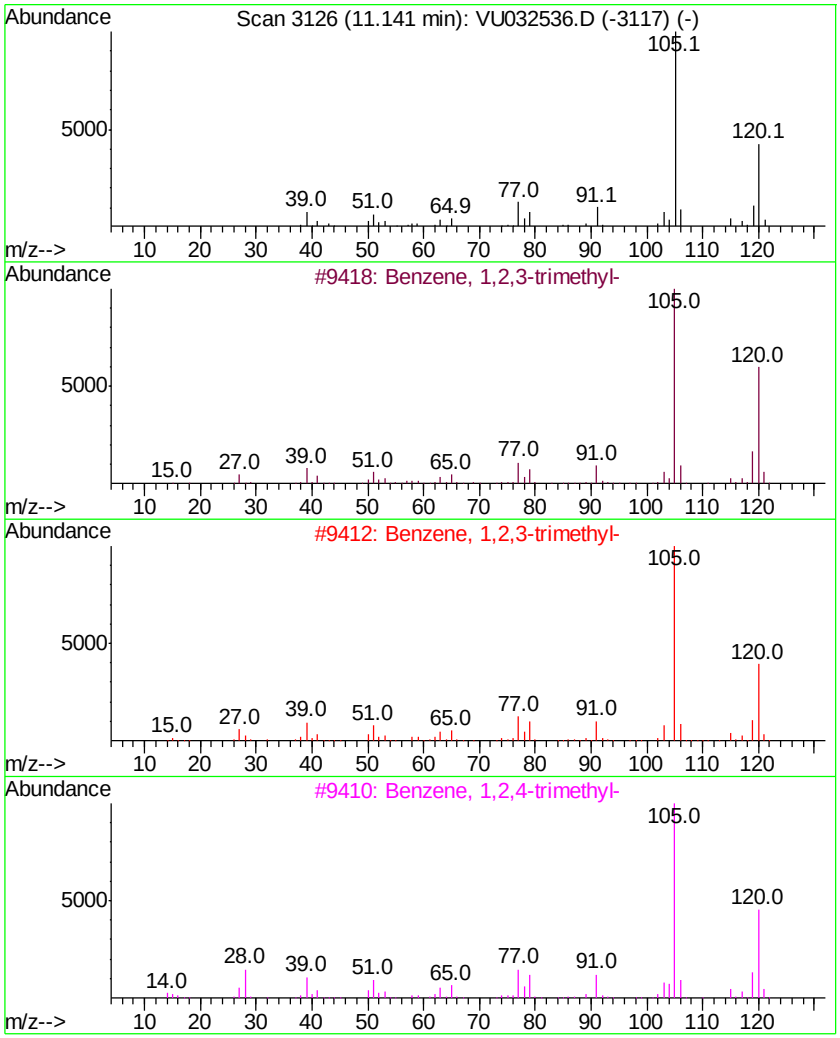
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

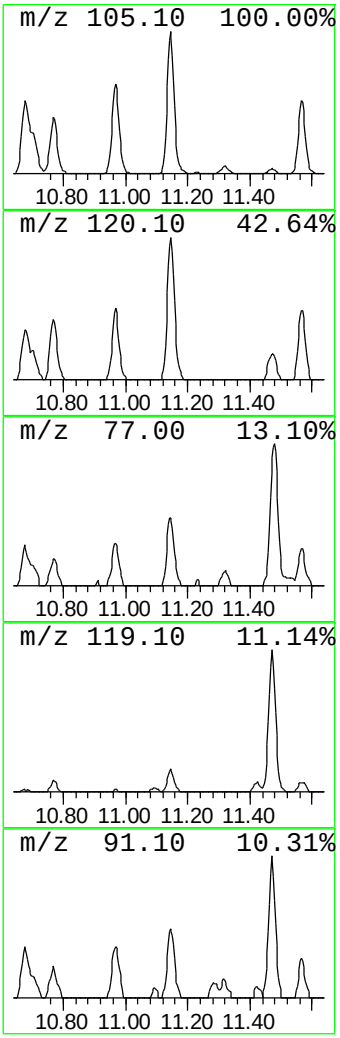
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	4.10 ug/L	51907	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

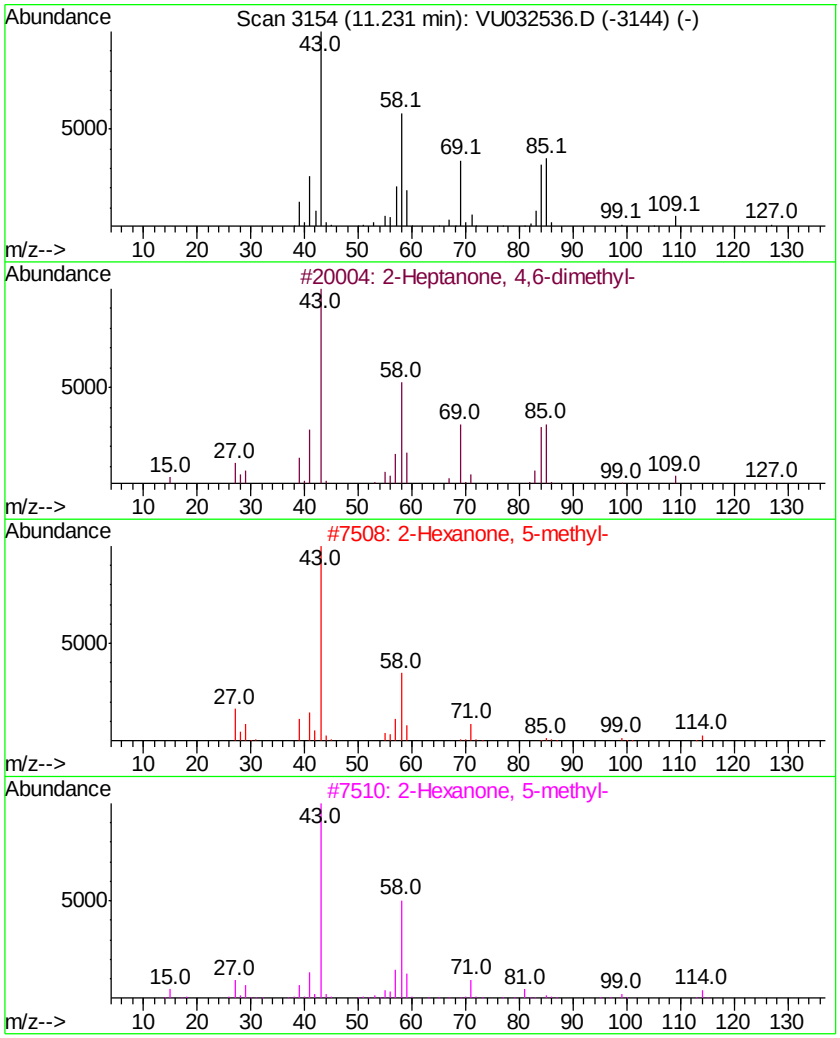
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

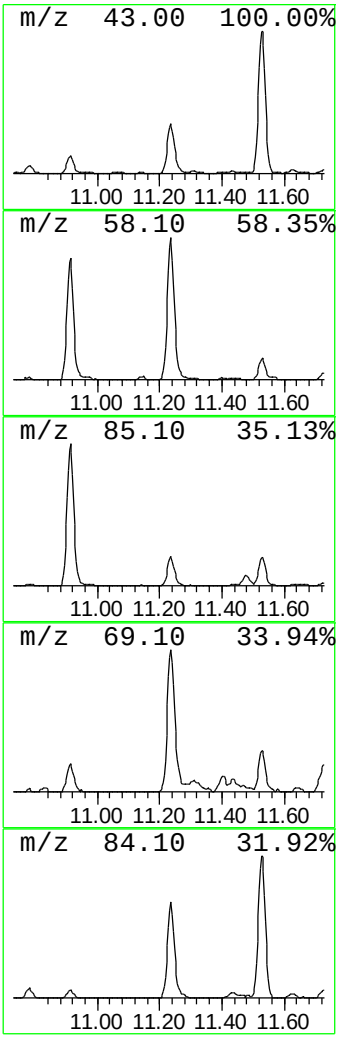
****

Peak Number 7 2-Heptanone, 4,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	11.92 ug/L	151084	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	43
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	43
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	43
5	1-Octene, 4-methyl-	126	C9H18	013151-12-7	38





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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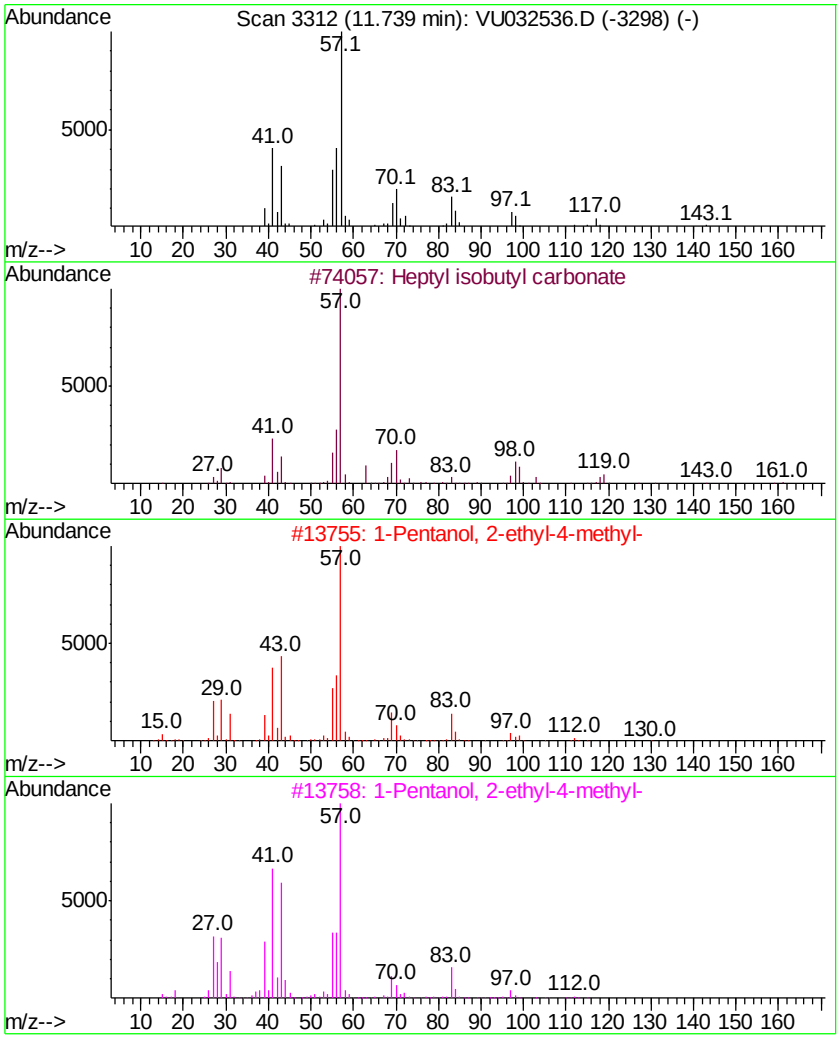
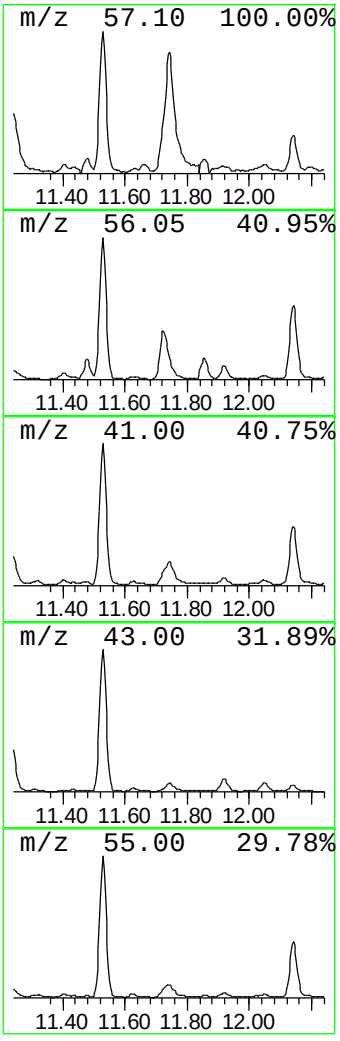
Peak Number 9 Heptyl isobutyl carbonate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	9.44 ug/L	119597	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59
2	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	59
4	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	50
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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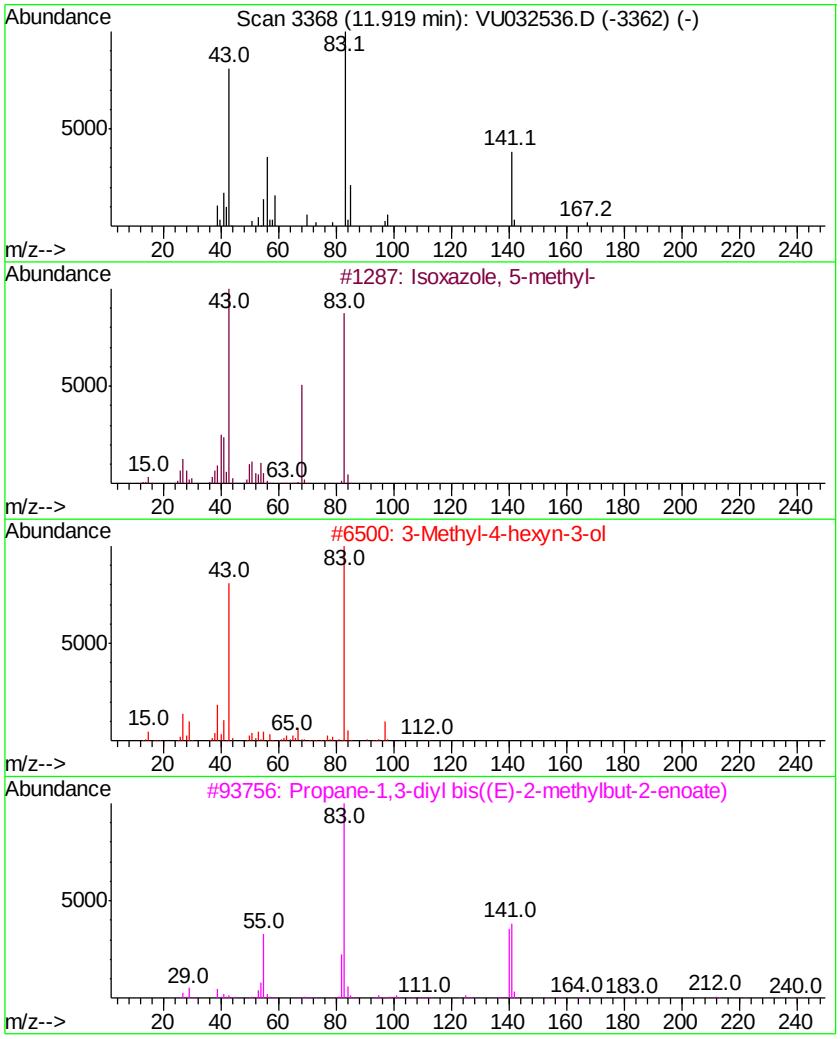
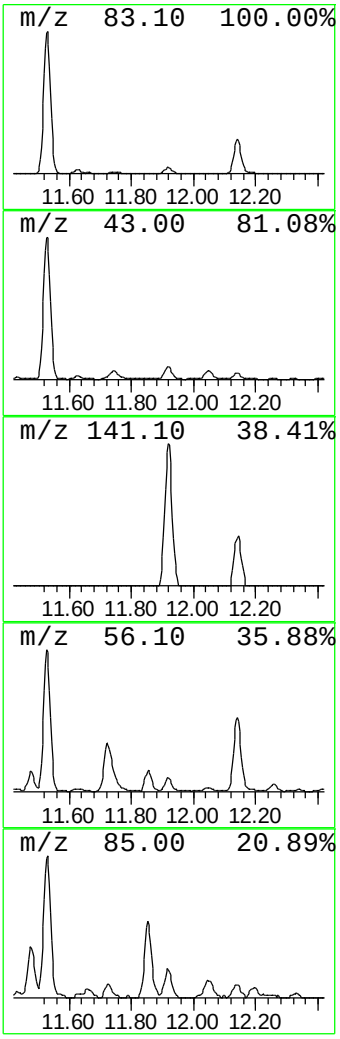
Peak Number 10 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.21 ug/L	40732	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoxazole, 5-methyl-	83	C4H5NO	005765-44-6	28
2	3-Methyl-4-hexyn-3-ol	112	C7H12O	006320-68-9	25
3	Propane-1,3-diyl bis((E)-2-methy...	240	C13H20O4	1000373-72-9	25
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	17
5	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	16





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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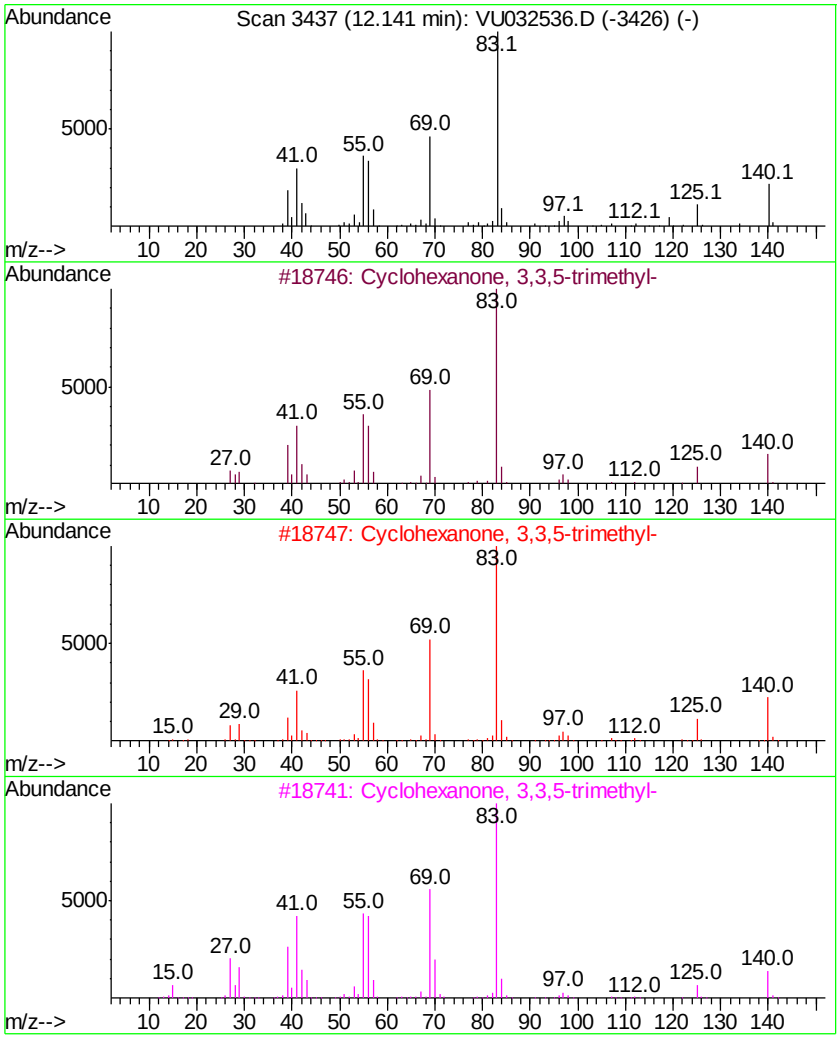
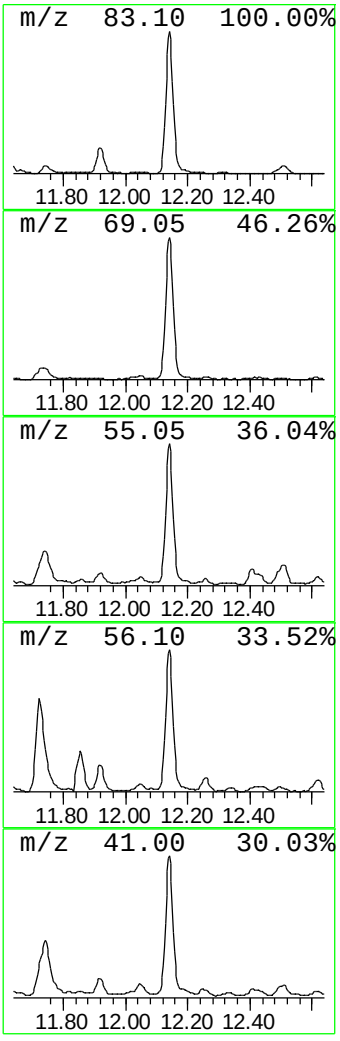
Peak Number 11 Cyclohexanone, 3,3,5-trimet... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	19.50 ug/L	247076	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	96
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	91
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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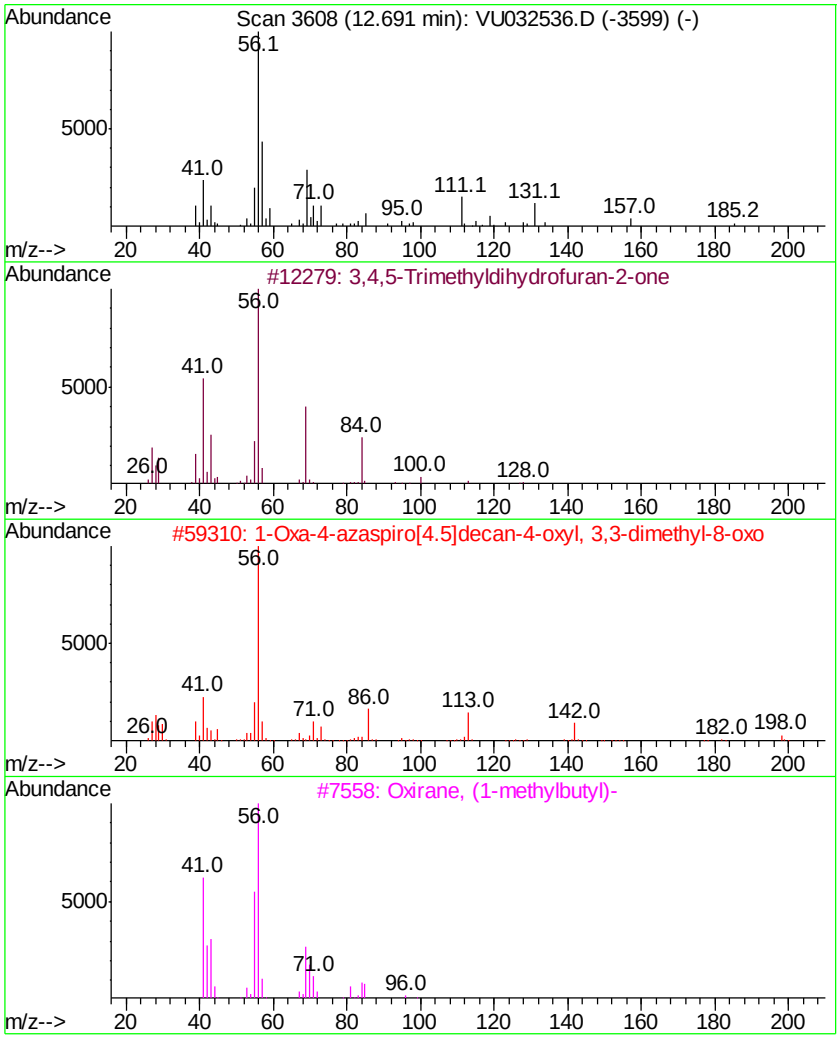
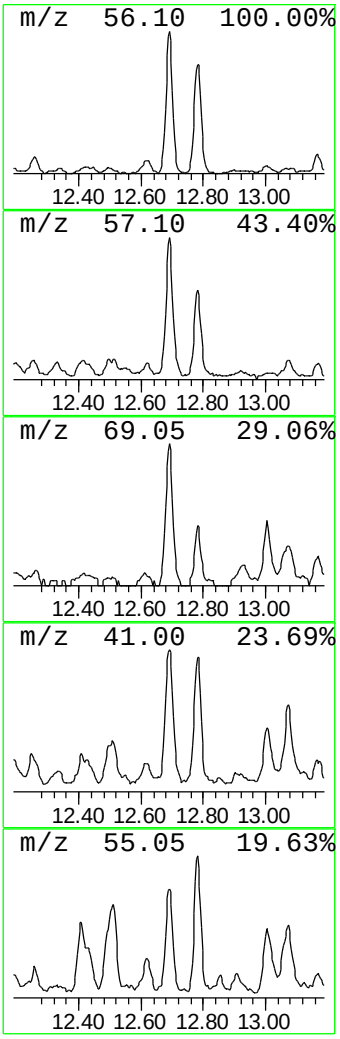
Peak Number 12 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	5.09 ug/L	64566	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4,5-Trimethyldihydrofuran-2-one	128	C7H12O2	1000194-05-2	43
2	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	40
3	Oxirane, (1-methylbutyl)-	114	C7H14O	053229-39-3	38
4	1-Decene, 2-methyl-	154	C11H22	013151-27-4	37
5	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	37





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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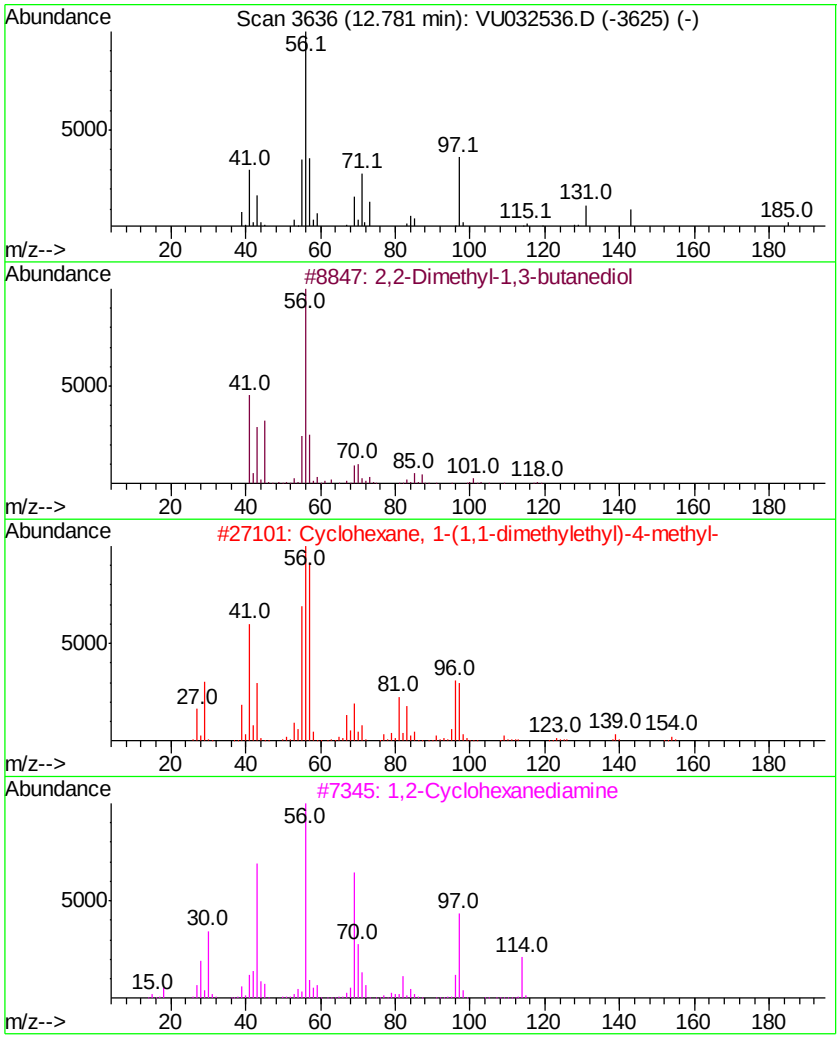
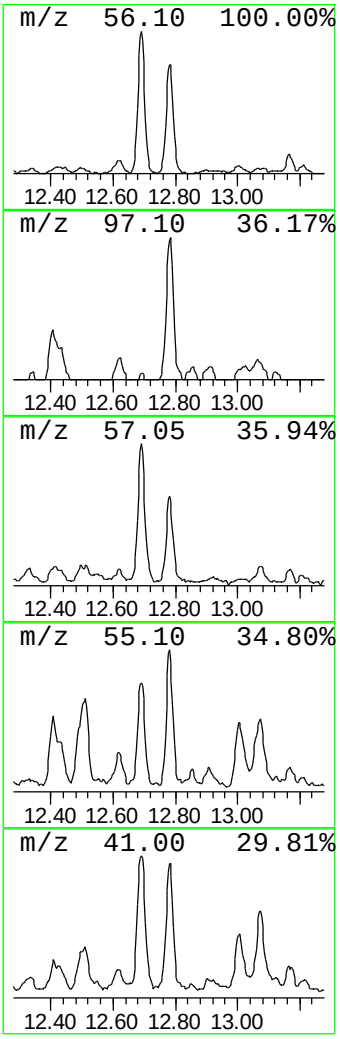
Peak Number 13 unknown-04 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	4.08 ug/L	51709	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	43
2	Cyclohexane, 1-(1,1-dimethylethy...	154	C11H22	075736-66-2	33
3	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	33
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	32
5	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	27





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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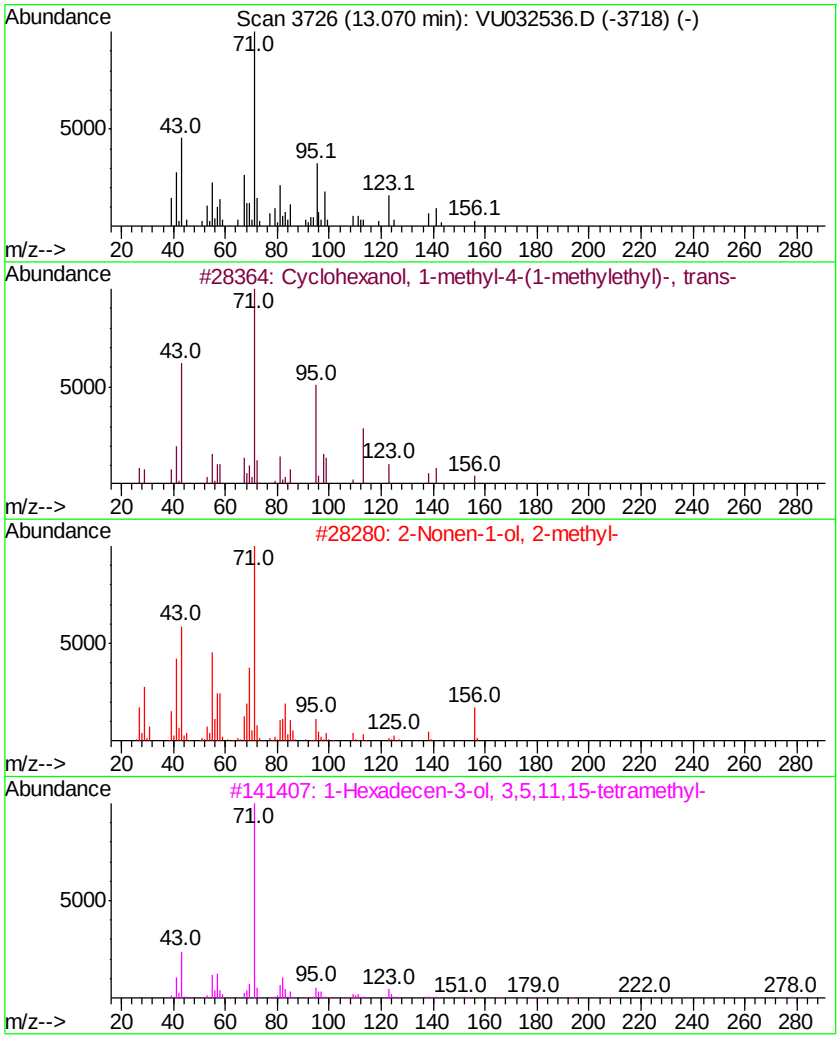
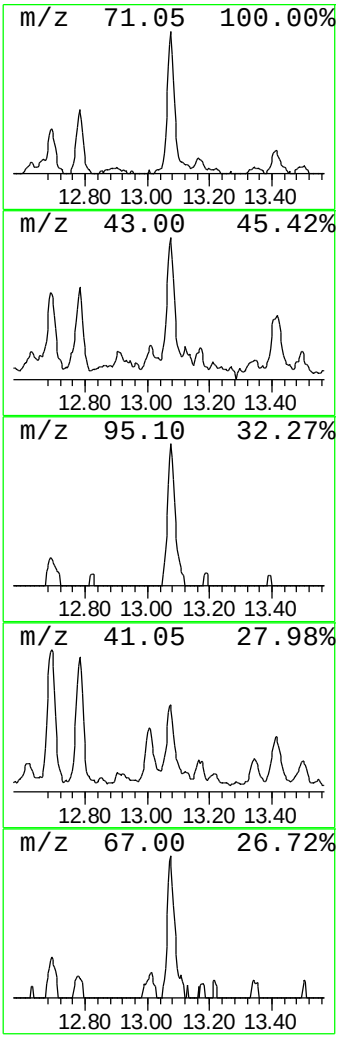
Peak Number 14 Cyclohexanol, 1-methyl-4-(1... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.25 ug/L	41144	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	52
2	2-Nonen-1-ol, 2-methyl-	156	C10H20O	091008-40-1	49
3	1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	47
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	45
5	3,4-Dimethylcyclohexanol	128	C8H16O	005715-23-1	43





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Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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

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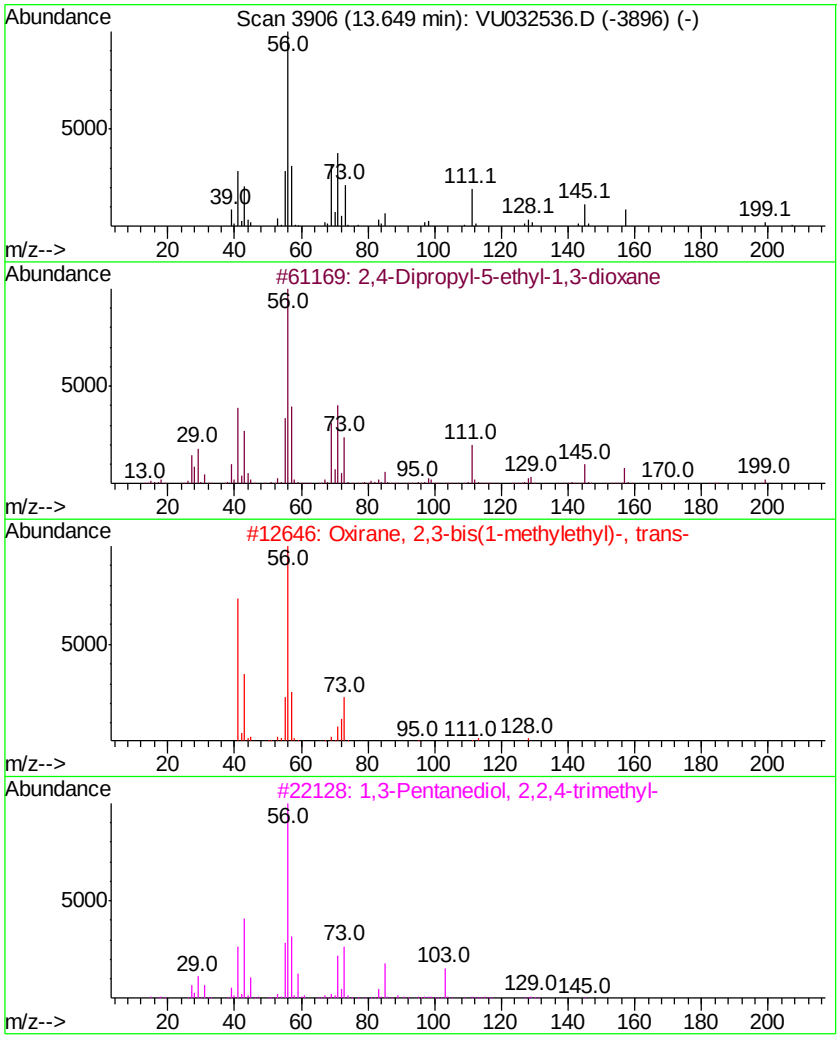
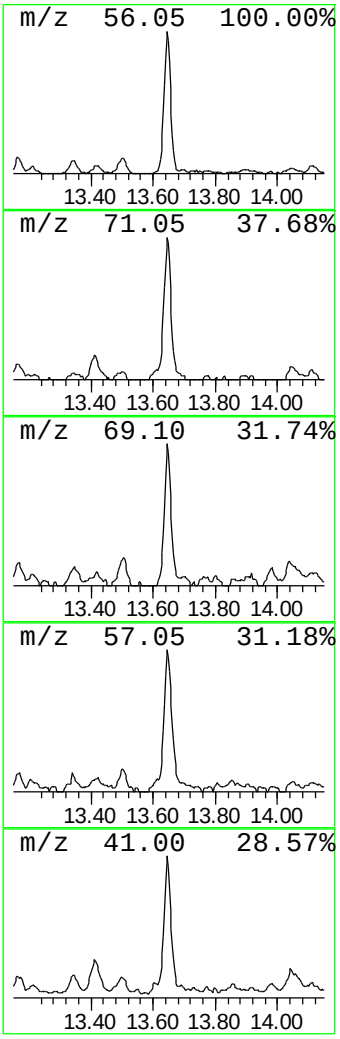
Peak Number 15 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	6.63 ug/L	84025	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	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	47
3	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	33
4	1-Octene, 2-methyl-	126	C9H18	004588-18-5	32
5	Tridecane, 7-methylene-	196	C14H28	019780-80-4	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060719\
Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J4DL

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
Butanal	3.98	14.9	ug/L	146025	1	5.88	489567	50.0
unknown-01	10.78	4.6	ug/L	58838	3	11.48	633656	50.0
4-Heptanone, 2,6-...	10.91	16.8	ug/L	213446	3	11.48	633656	50.0
Benzene, 1-ethyl-...	10.97	2.7	ug/L	34301	3	11.48	633656	50.0
Benzene, 1,2,3-tr...	11.14	4.1	ug/L	51907	3	11.48	633656	50.0
2-Heptanone, 4,6-...	11.23	11.9	ug/L	151084	3	11.48	633656	50.0
Heptyl isobutyl c...	11.74	9.4	ug/L	119597	3	11.48	633656	50.0
unknown-02	11.92	3.2	ug/L	40732	3	11.48	633656	50.0
Cyclohexanone, 3,...	12.14	19.5	ug/L	247076	3	11.48	633656	50.0
unknown-03	12.69	5.1	ug/L	64566	3	11.48	633656	50.0
unknown-04	12.78	4.1	ug/L	51709	3	11.48	633656	50.0
Cyclohexanol, 1-m...	13.07	3.3	ug/L	41144	3	11.48	633656	50.0
2,4-Dipropyl-5-et...	13.65	6.6	ug/L	84025	3	11.48	633656	50.0