LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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	3903	3555	0.28%	0.036%
2	1.396	88	95	106	rVB	61176	64852	5.06%	0.653%
3	1.675	175	182	192	rBV	56266	67457	5.27%	0.679%
4	2.267	355	366	379	rVB	119466	179402	14.01%	1.805%
5	2.383	400	402	406	rVB3	376	291	0.02%	0.003%
6	2.444	410	421	434	rBV3	2654	5324	0.42%	0.054%
7	2.836	532	543	547	rBV3	1012	1807	0.14%	0.018%
8	2.977	574	587	603	rVB	22827	42077	3.29%	0.423%
9	3.180	646	650	651	rVV3	463	370	0.03%	0.004%
10	3.190	651	653	659	rVB4	575	499	0.04%	0.005%
11	3.903	873	875	881	rVB	443	255	0.02%	0.003%
12	4.013	903	909	917	rVB4	760	1310	0.10%	0.013%
13	4.219	946	973	999	rBV2	459246	1280878	100.00%	12.890%
14	4.495	1053	1059	1066	rBV5	465	748	0.06%	0.008%
15	4.640	1088	1104	1126	rBV	102778	241938	18.89%	2.435%
16	4.784	1141	1149	1150	rBV2	1094	1237	0.10%	0.012%
17	4.881	1177	1179	1185	rVB4	625	662	0.05%	0.007%
18	5.138	1250	1259	1263	rBV3	460	706	0.06%	0.007%
19	5.334	1294	1320	1331	rBV2	210085	632090	49.35%	6.361%
20	5.633	1409	1413	1416	rBV	222	265	0.02%	0.003%
21	5.707	1432	1436	1439	rVV2	314	298	0.02%	0.003%
22	5.881	1476	1490	1519	rBV	235424	463825	36.21%	4.668%
23	6.180	1569	1583	1614	rBV	613216	1187108	92.68%	11.946%
24	6.325	1615	1628	1646	rVV	142592	283093	22.10%	2.849%
25	6.463	1666	1671	1672	rBV2	1402	1121	0.09%	0.011%
26	7.225	1895	1908	1928	rBV	77614	142777	11.15%	1.437%
27	7.392	1956	1960	1965	rVB4	372	297	0.02%	0.003%
28	7.427	1965	1971	1974	rBV3	458	499	0.04%	0.005%
29	7.463	1974	1982	1992	rVV2	3798	6811	0.53%	0.069%
30	7.559	1999	2012	2029	rBV	286880	501713	39.17%	5.049%
31	7.845	2091	2101	2126	rBV2	52627	92358	7.21%	0.929%
32	8.170	2193	2202	2203	rBV4	1352	1415	0.11%	0.014%
33	8.222	2205	2218	2234	rVV	580816	972571	75.93%	9.787%
34	8.305	2234	2244	2279	rVB	235183	434601	33.93%	4.374%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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	8.572	2321	2327	2333	rBV3	628	758	0.06%	0.008%
36	9.087	2466	2487	2491	rBV	358675	599702	46.82%	6.035%
37	9.247	2530	2537	2552	rVB	10820	18866	1.47%	0.190%
38	9.373	2564	2576	2590	rVB7	5187	12409	0.97%	0.125%
39	9.469	2599	2606	2607	rBV3	790	716	0.06%	0.007%
40	9.566	2629	2636	2641	rVB4	1104	1407	0.11%	0.014%
41	9.614	2643	2651	2665	rBV3	1244	2457	0.19%	0.025%
42	9.778	2692	2702	2718	rBV	22297	35855	2.80%	0.361%
43	10.009	2769	2774	2781	rBV3	327	304	0.02%	0.003%
44	10.160	2810	2821	2835	rBV	55237	88194	6.89%	0.888%
45	10.373	2880	2887	2892	rBV4	1078	1608	0.13%	0.016%
46	10.427	2892	2904	2926	rVB	216218	353694	27.61%	3.559%
47	10.585	2942	2953	2968	rBV	48652	78119	6.10%	0.786%
48	10.678	2971	2982	2986	rBV	16249	24412	1.91%	0.246%
49	10.768	3002	3010	3022	rVB	13273	19614	1.53%	0.197%
50	10.916	3048	3056	3063	rBV2	4338	6884	0.54%	0.069%
51	10.968	3063	3072	3089	rVB	48637	76886	6.00%	0.774%
52	11.096	3103	3112	3118	rBV3	1099	1654	0.13%	0.017%
53	11.144	3118	3127	3146	rVB	37423	57380	4.48%	0.577%
54	11.238	3146	3156	3167	rBV	28242	46764	3.65%	0.471%
55	11.318	3176	3181	3196	rVB2	7702	11891	0.93%	0.120%
56	11.418	3203	3212	3220	rBV6	5409	8384	0.65%	0.084%
57	11.479	3220	3231	3250	rVV2	376423	704319	54.99%	7.088%
58	11.566	3250	3258	3270	rVB	28683	45993	3.59%	0.463%
59	11.646	3280	3283	3285	rBV3	442	276	0.02%	0.003%
60	11.681	3285	3294	3301	rVV5	4153	6589	0.51%	0.066%
61	11.723	3303	3307	3308	rVV3	2011	1643	0.13%	0.017%
62	11.762	3309	3319	3335	rVV	89298	156420	12.21%	1.574%
63	11.855	3336	3348	3376	rVV2	344208	670012	52.31%	6.743%
64	11.977	3376	3386	3395	rVB5	6403	11631	0.91%	0.117%
65	12.054	3401	3410	3424	rVB	5652	9956	0.78%	0.100%
66	12.144	3424	3438	3453	rBV	45415	82011	6.40%	0.825%
67	12.215	3457	3460	3461	rVV2	1868	1210	0.09%	0.012%
68	12.247	3464	3470	3490	rVV3	9206	17118	1.34%	0.172%
69	12.318	3490	3492	3495	rVV2	1205	921	0.07%	0.009%
70	12.373	3495	3509	3526	rVB9	13798	32975	2.57%	0.332%
71	12.479	3536	3542	3544	rBV4	1111	923	0.07%	0.009%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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	12.540	3552	3561	3573	rVB5	4160	8416	0.66%	0.085%
73	12.617	3577	3585	3590	rVV7	2808	4437	0.35%	0.045%
74	12.649	3591	3595	3600	rVV5	2876	4104	0.32%	0.041%
75	12.694	3603	3609	3623	rVB6	7641	13152	1.03%	0.132%
76	12.784	3627	3637	3644	rBV4	5529	8270	0.65%	0.083%
77	12.855	3656	3659	3662	rBV2	314	269	0.02%	0.003%
78	13.009	3700	3707	3722	rBV2	2714	4617	0.36%	0.046%
79	13.077	3722	3728	3732	rBV5	980	1303	0.10%	0.013%
80	13.119	3732	3741	3751	rBV4	14062	22038	1.72%	0.222%
81	13.250	3779	3782	3784	rBV4	512	457	0.04%	0.005%
82	13.286	3786	3793	3807	rVB6	4618	7512	0.59%	0.076%
83	13.353	3809	3814	3815	rBV	604	400	0.03%	0.004%
84	13.389	3821	3825	3829	rBV2	754	690	0.05%	0.007%
85	13.440	3838	3841	3846	rVB5	545	536	0.04%	0.005%
86	13.504	3851	3861	3874	rVV8	4312	7699	0.60%	0.077%
87	13.646	3897	3905	3917	rBV3	9539	16964	1.32%	0.171%
88	13.746	3927	3936	3950	rBV	10823	22068	1.72%	0.222%
89	13.916	3985	3989	3994	rVB4	462	413	0.03%	0.004%
90	13.987	4005	4011	4022	rBV7	1742	3166	0.25%	0.032%
91	14.119	4050	4052	4056	rBV2	452	346	0.03%	0.003%
92	14.344	4119	4122	4126	rBV3	395	343	0.03%	0.003%
93	14.514	4172	4175	4179	rBV2	407	397	0.03%	0.004%
94	14.559	4187	4189	4193	rBV	321	265	0.02%	0.003%
95	14.620	4204	4208	4209	rBV	528	302	0.02%	0.003%
96	14.678	4223	4226	4229	rBV2	394	274	0.02%	0.003%
97	14.784	4254	4259	4261	rBV3	279	291	0.02%	0.003%
98	14.926	4298	4303	4312	rVB5	2020	2882	0.23%	0.029%
99	15.080	4347	4351	4356	rVV3	616	814	0.06%	0.008%
100	15.829	4581	4584	4587	rBV2	513	320	0.02%	0.003%

Sum of corrected areas: 9936910

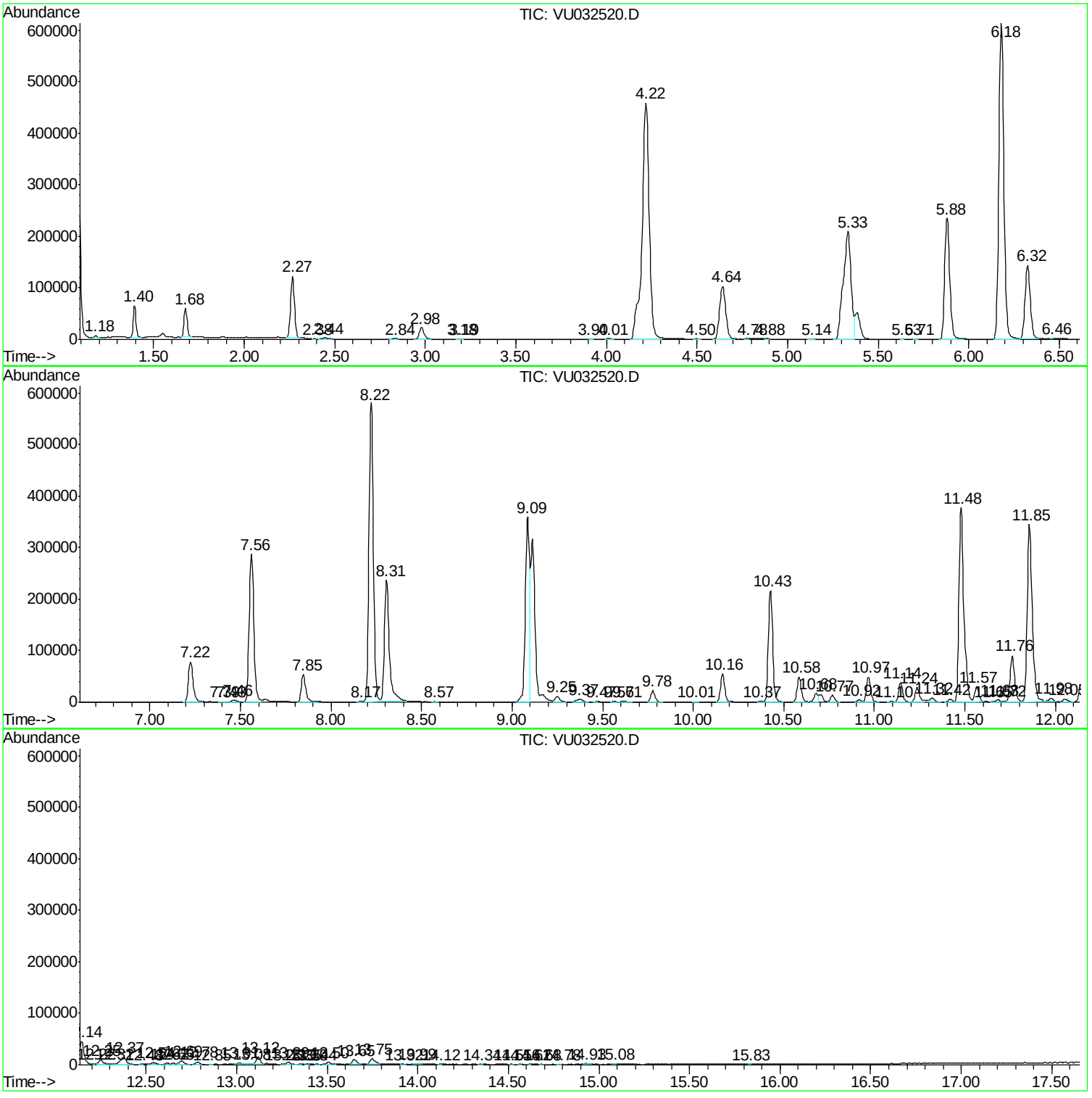
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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 : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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

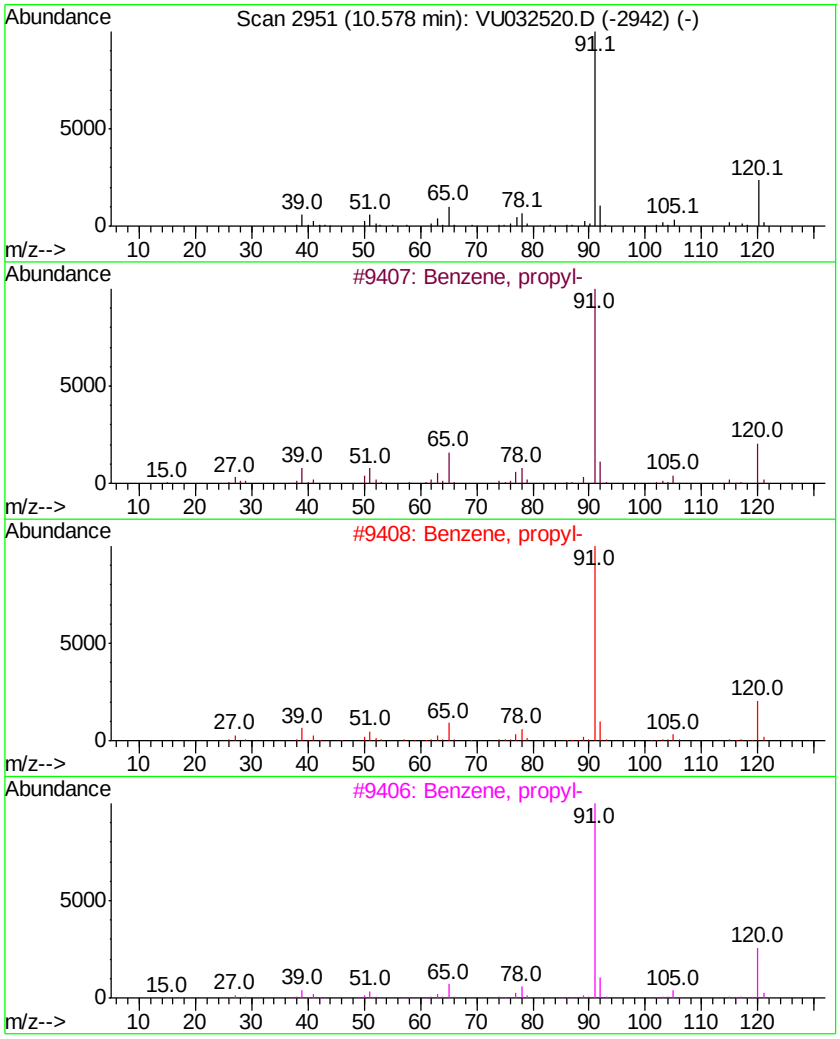
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

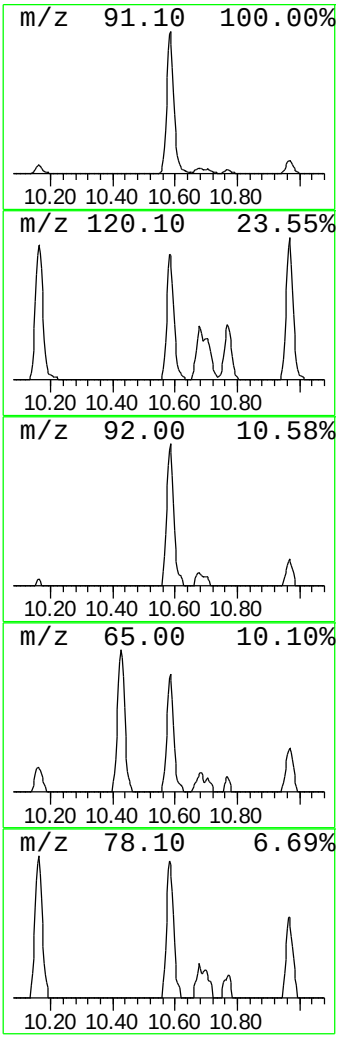
****

Peak Number 2 Benzene, propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	5.55 ug/L	78119	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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

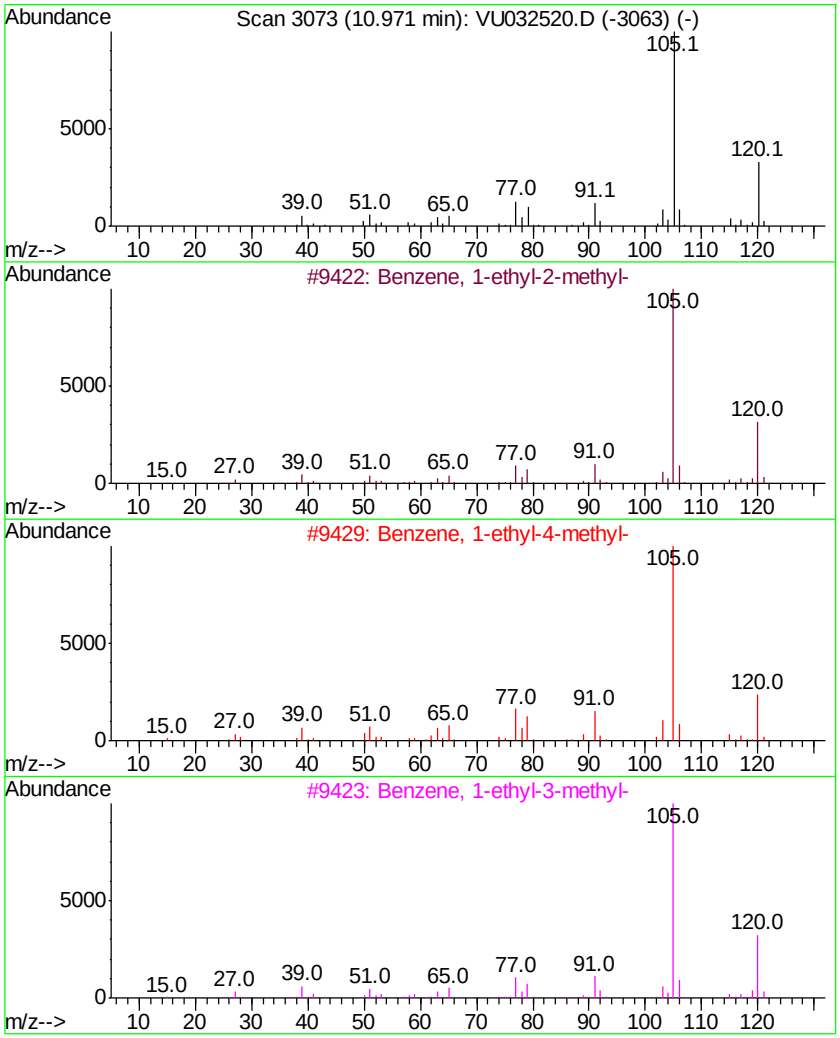
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

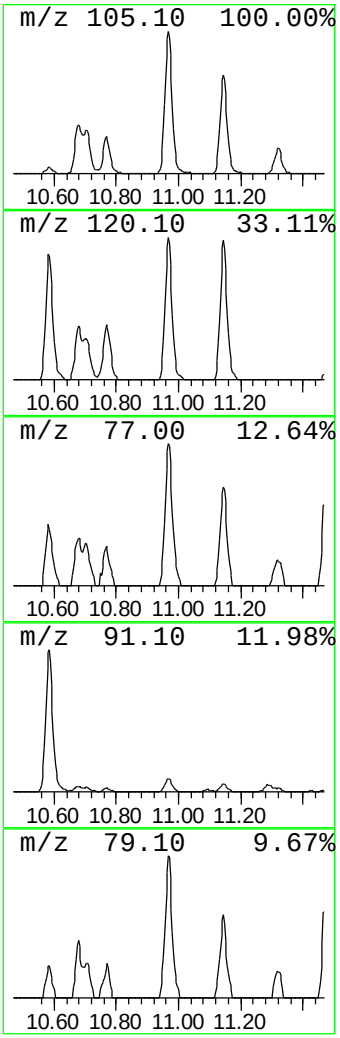
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	5.46 ug/L	76886	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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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

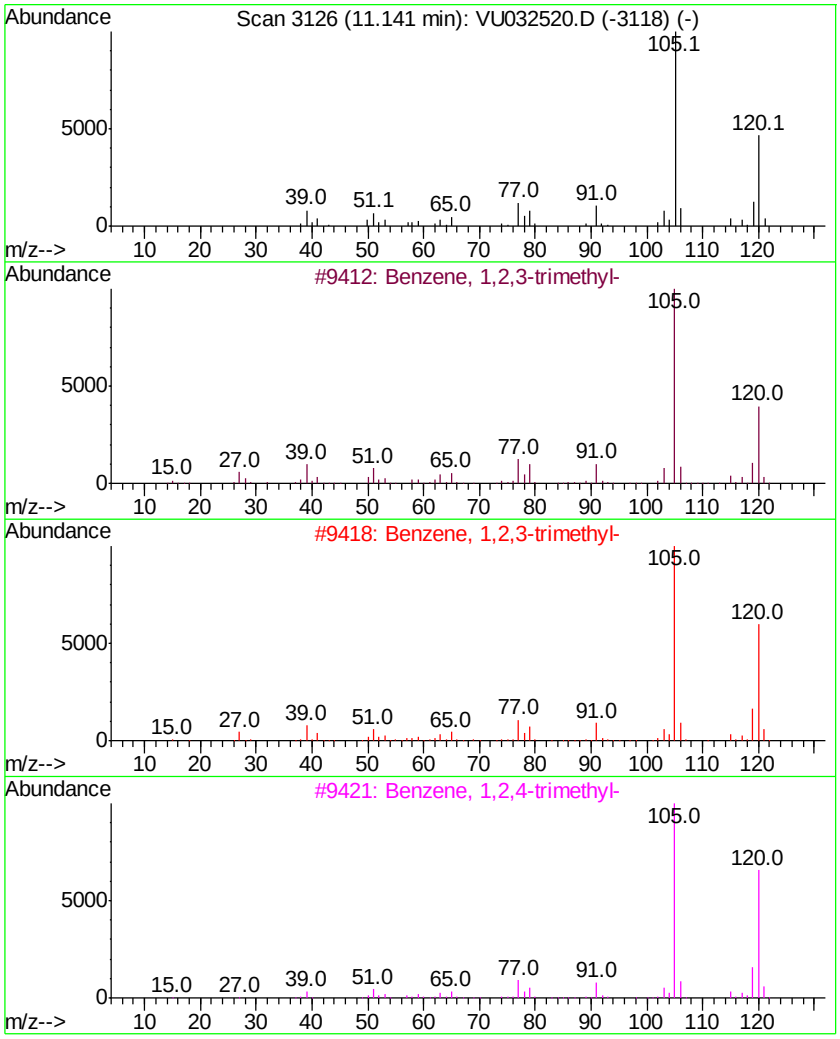
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

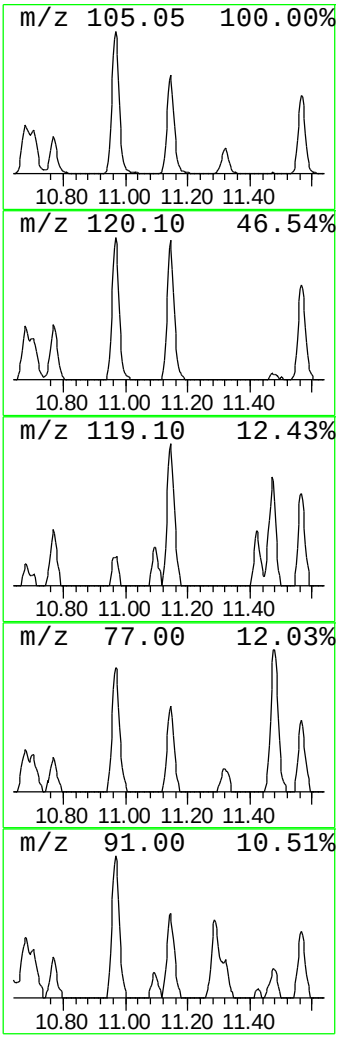
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	4.07 ug/L	57380	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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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

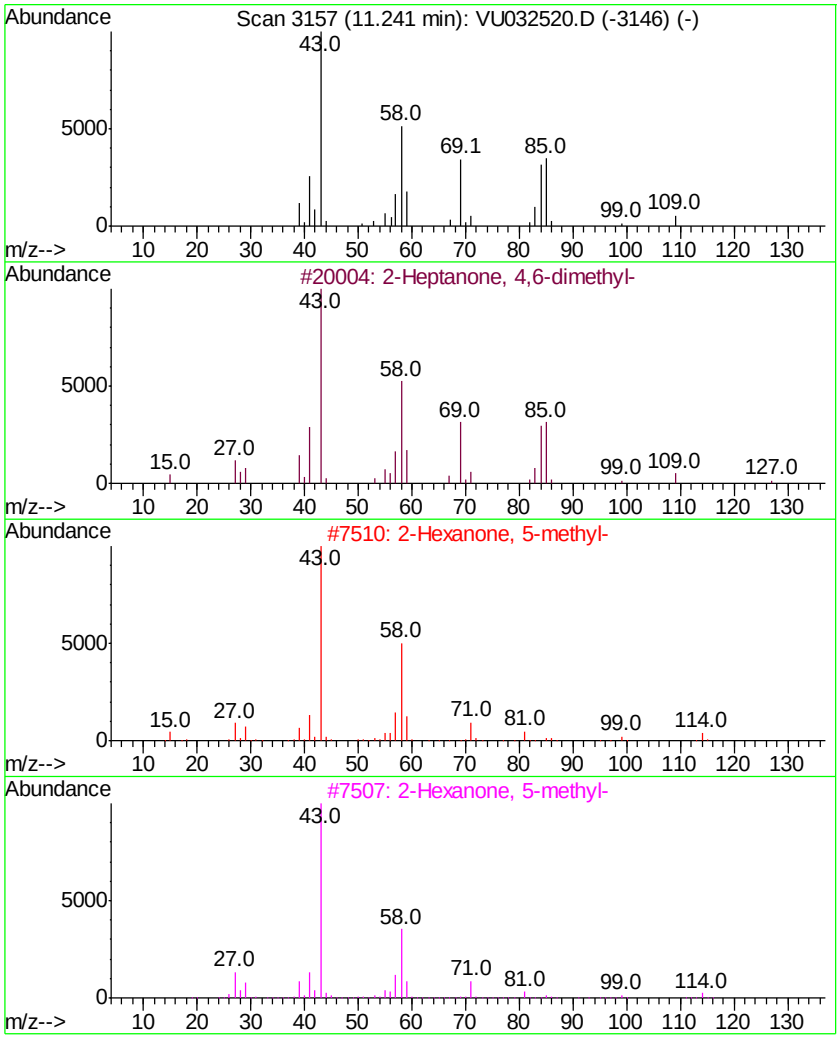
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

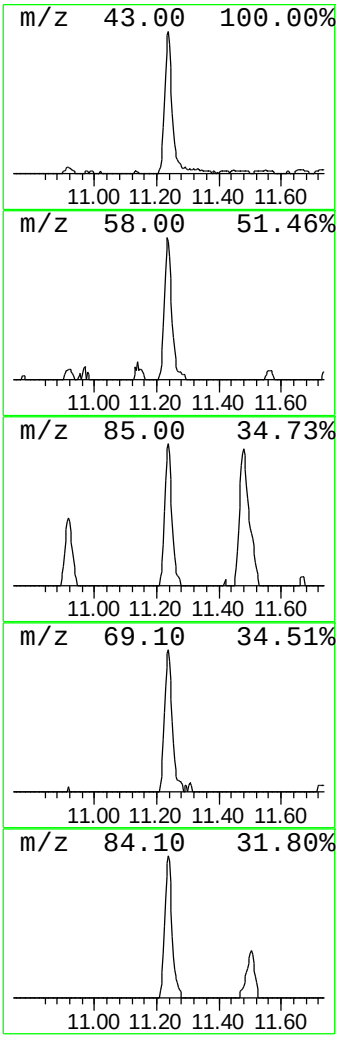
****

Peak Number 5 2-Heptanone, 4,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.32 ug/L	46764	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	47
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	47
4	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	43
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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

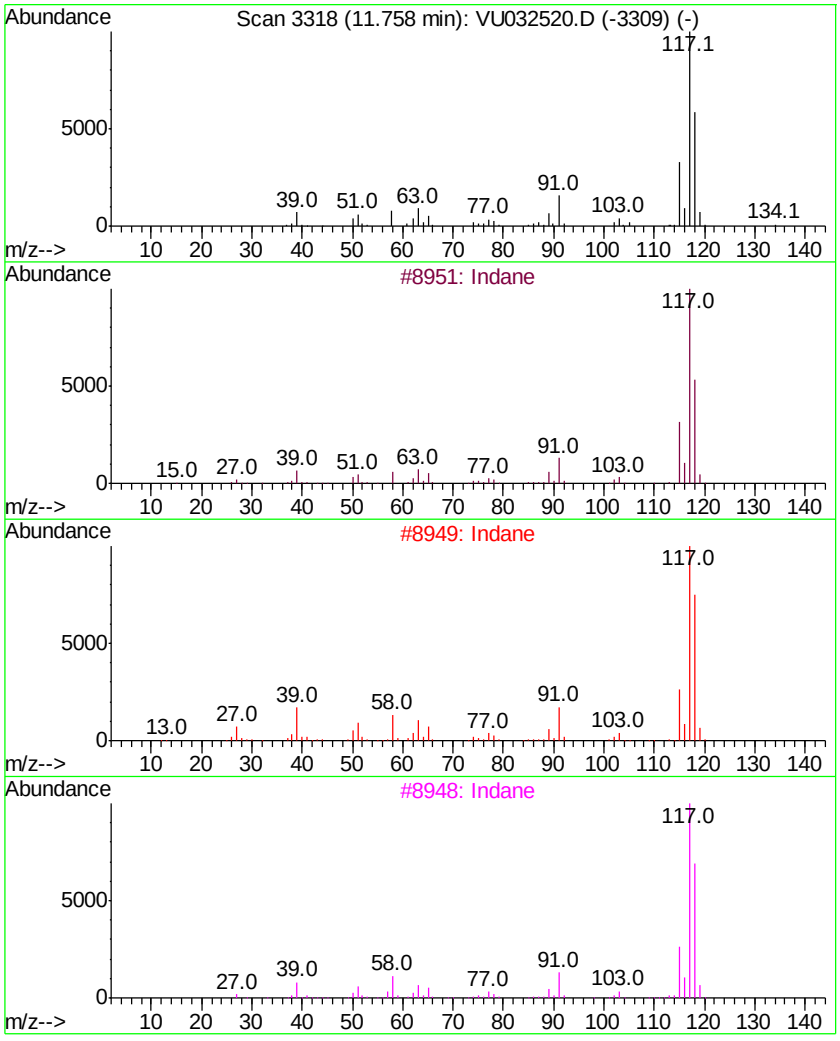
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

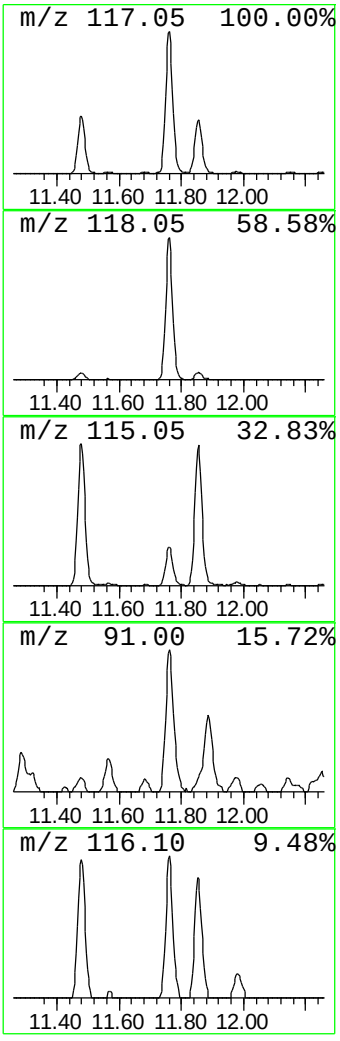
****

Peak Number 7 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	11.10 ug/L	156420	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

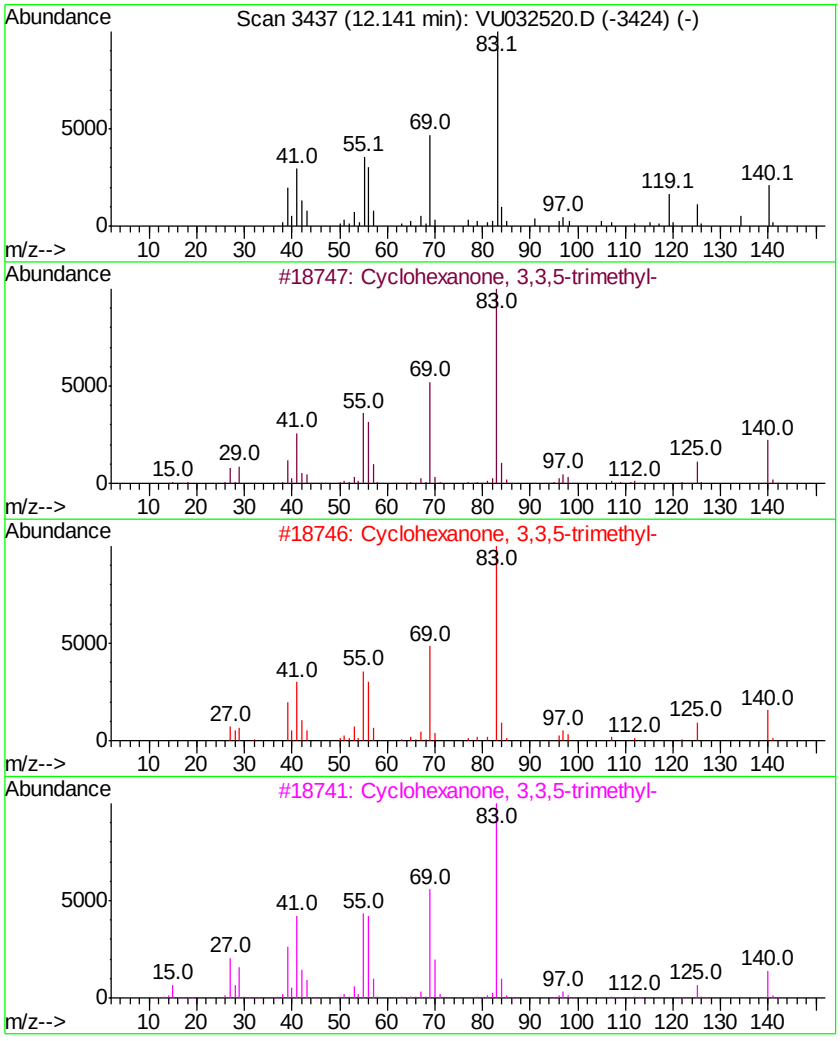
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

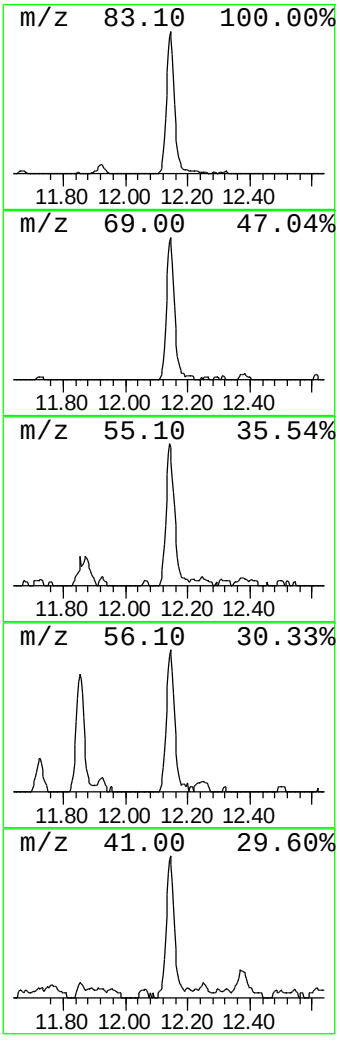
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclohexanone, 3,3,5-trimet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.82 ug/L	82011	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	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	83
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032520.D
Acq On : 07 Jun 2019 00:58
Operator : JC/SP
Sample : K3215-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J1

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
Benzene, propyl-	10.58	5.5	ug/L	78119	3	11.48	704319	50.0
Benzene, 1-ethyl-...	10.97	5.5	ug/L	76886	3	11.48	704319	50.0
Benzene, 1,2,3-tr...	11.14	4.1	ug/L	57380	3	11.48	704319	50.0
2-Heptanone, 4,6-...	11.24	3.3	ug/L	46764	3	11.48	704319	50.0
Indane	11.76	11.1	ug/L	156420	3	11.48	704319	50.0
Cyclohexanone, 3,...	12.14	5.8	ug/L	82011	3	11.48	704319	50.0