LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

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\SOMULM091919WMA.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	1.177	23	27	32	rBV2	7763	6836	0.16%	0.020%
2	1.392	87	94	107	rBV	326311	339408	7.96%	0.977%
3	1.466	111	117	126	rBV	47280	53201	1.25%	0.153%
4	1.543	133	141	151	rVB3	38867	55397	1.30%	0.159%
5	1.672	173	181	195	rVB	257377	331015	7.76%	0.953%
6	2.257	350	363	373	rBV	479271	745675	17.48%	2.147%
7	2.305	373	378	391	rVB	49996	74967	1.76%	0.216%
8	2.608	465	472	478	rBV2	5440	7744	0.18%	0.022%
9	2.685	485	496	516	rVB	239886	427410	10.02%	1.230%
10	2.820	528	538	553	rVB3	11562	26868	0.63%	0.077%
11	3.167	639	646	657	rBV8	4578	8127	0.19%	0.023%
12	3.984	885	900	910	rBV8	6138	16047	0.38%	0.046%
13	4.151	938	952	986	rBV	277188	795294	18.64%	2.290%
14	4.376	1012	1022	1040	rVB3	12524	30987	0.73%	0.089%
15	4.620	1082	1098	1124	rVV	390245	928795	21.77%	2.674%
16	4.958	1197	1203	1204	rBV5	3430	2819	0.07%	0.008%
17	4.971	1204	1207	1213	rVB7	3799	3907	0.09%	0.011%
18	5.190	1268	1275	1281	rVB9	1887	2804	0.07%	0.008%
19	5.315	1291	1314	1345	rBV2	798854	2454633	57.54%	7.067%
20	5.527	1369	1380	1403	rBV	102795	216896	5.08%	0.624%
21	5.865	1471	1485	1507	rBV	623967	1276545	29.92%	3.675%
22	6.309	1608	1623	1641	rBV	567038	1150574	26.97%	3.312%
23	6.405	1645	1653	1668	rVB3	17095	40725	0.95%	0.117%
24	6.514	1680	1687	1692	rBV5	7408	11996	0.28%	0.035%
25	6.563	1694	1702	1704	rBV2	14981	20067	0.47%	0.058%
26	6.682	1727	1739	1779	rBV	2353999	4265936	100.00%	12.281%
27	7.206	1890	1902	1926	rBV	317050	589542	13.82%	1.697%
28	7.399	1949	1962	1971	rBV	265974	457872	10.73%	1.318%
29	7.543	1991	2007	2020	rBV	1098665	1941034	45.50%	5.588%
30	7.614	2020	2029	2047	rVB	350580	634168	14.87%	1.826%
31	7.826	2084	2095	2114	rBV2	303706	553703	12.98%	1.594%
32	8.022	2154	2156	2163	rVB7	3073	3490	0.08%	0.010%
33	8.135	2178	2191	2205	rBV	477994	796185	18.66%	2.292%
34	8.212	2208	2215	2218	rBV3	25404	32241	0.76%	0.093%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

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\SOMULM091919WMA.M
Title : VOC Analysis

35	8.241	2219	2224	2229	rVV3	46004	62037	1.45%	0.179%
36	8.289	2229	2239	2261	rVV	1060988	1814904	42.54%	5.225%
37	8.395	2262	2272	2286	rVV	791371	1221833	28.64%	3.518%
38	8.508	2299	2307	2328	rVB2	42191	89576	2.10%	0.258%
39	8.884	2411	2424	2454	rBV	1006395	1612973	37.81%	4.644%
40	9.067	2464	2481	2512	rVB	932267	1624443	38.08%	4.677%
41	9.228	2521	2531	2544	rBV	142077	227109	5.32%	0.654%
42	9.350	2556	2569	2588	rBV	470994	799937	18.75%	2.303%
43	9.479	2606	2609	2618	rVB6	8178	8870	0.21%	0.026%
44	9.527	2618	2624	2632	rVB10	2504	2927	0.07%	0.008%
45	9.585	2634	2642	2654	rBV2	25335	43353	1.02%	0.125%
46	9.678	2666	2671	2676	rBV7	2777	3911	0.09%	0.011%
47	9.755	2681	2695	2717	rVV3	429692	781496	18.32%	2.250%
48	9.916	2737	2745	2755	rBV7	7980	17167	0.40%	0.049%
49	10.019	2769	2777	2786	rVB7	5318	9775	0.23%	0.028%
50	10.144	2808	2816	2827	rVB3	19721	31964	0.75%	0.092%
51	10.302	2858	2865	2872	rVV10	4590	7239	0.17%	0.021%
52	10.408	2885	2898	2918	rBV	754628	1226145	28.74%	3.530%
53	10.566	2937	2947	2961	rVV	37887	67705	1.59%	0.195%
54	10.659	2965	2976	2995	rVV	167016	349688	8.20%	1.007%
55	10.749	2995	3004	3015	rVB	116447	176596	4.14%	0.508%
56	10.897	3041	3050	3058	rBV2	34686	57688	1.35%	0.166%
57	10.948	3058	3066	3085	rVB	103903	172517	4.04%	0.497%
58	11.064	3096	3102	3103	rBV6	2681	3083	0.07%	0.009%
59	11.125	3108	3121	3141	rBV	411570	647010	15.17%	1.863%
60	11.299	3172	3175	3184	rVB5	7480	10534	0.25%	0.030%
61	11.402	3200	3207	3214	rBV2	14104	19714	0.46%	0.057%
62	11.459	3214	3225	3241	rVV	907226	1460284	34.23%	4.204%
63	11.549	3243	3253	3266	rVB	181275	290920	6.82%	0.838%
64	11.742	3299	3313	3322	rBV	107894	194843	4.57%	0.561%
65	11.787	3323	3327	3331	rVV2	29175	36317	0.85%	0.105%
66	11.836	3331	3342	3368	rVV	1038225	1819307	42.65%	5.238%
67	11.961	3371	3381	3392	rVB5	19275	34989	0.82%	0.101%
68	12.035	3397	3404	3419	rVB2	15425	29494	0.69%	0.085%
69	12.125	3423	3432	3437	rBV3	35210	55850	1.31%	0.161%
70	12.154	3437	3441	3452	rVB2	32658	43390	1.02%	0.125%
71	12.231	3456	3465	3474	rBV2	44794	77731	1.82%	0.224%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

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\SOMULM091919WMA.M
Title : VOC Analysis

72	12.331	3487	3496	3517	rVB2	47999	94039	2.20%	0.271%
73	12.469	3532	3539	3542	rBV7	5517	6965	0.16%	0.020%
74	12.530	3548	3558	3569	rVB5	17508	33212	0.78%	0.096%
75	12.591	3572	3577	3581	rBV8	6637	7362	0.17%	0.021%
76	12.630	3581	3589	3597	rVV2	33308	52974	1.24%	0.153%
77	12.681	3597	3605	3618	rVB	55286	88544	2.08%	0.255%
78	12.771	3630	3633	3637	rVV6	3360	3099	0.07%	0.009%
79	12.794	3637	3640	3645	rVB8	3316	3104	0.07%	0.009%
80	12.945	3679	3687	3702	rVB2	34353	55336	1.30%	0.159%
81	13.102	3725	3736	3748	rVV3	96403	166149	3.89%	0.478%
82	13.170	3752	3757	3765	rVB9	9420	14251	0.33%	0.041%
83	13.270	3778	3788	3798	rBV5	23594	40289	0.94%	0.116%
84	13.379	3811	3822	3833	rBV5	13141	26618	0.62%	0.077%
85	13.437	3833	3840	3848	rBV2	13787	20258	0.47%	0.058%
86	13.495	3850	3858	3872	rVV9	12772	27116	0.64%	0.078%
87	13.559	3876	3878	3882	rVV5	6020	4875	0.11%	0.014%
88	13.588	3882	3887	3897	rVB7	8563	13605	0.32%	0.039%
89	13.723	3918	3929	3954	rBV	192300	374104	8.77%	1.077%
90	13.845	3960	3967	3983	rVB5	15340	29676	0.70%	0.085%
91	13.996	4012	4014	4025	rVB10	6850	7364	0.17%	0.021%
92	14.041	4025	4028	4034	rBV7	2842	3014	0.07%	0.009%
93	14.131	4049	4056	4057	rBV7	8847	8498	0.20%	0.024%
94	14.318	4104	4114	4126	rBV7	8600	18355	0.43%	0.053%
95	14.459	4150	4158	4160	rBV9	5473	5628	0.13%	0.016%
96	14.517	4170	4176	4188	rVB9	9483	17282	0.41%	0.050%
97	14.617	4203	4207	4208	rBV4	4344	2615	0.06%	0.008%
98	14.791	4258	4261	4263	rBV3	4472	3024	0.07%	0.009%
99	14.864	4275	4284	4296	rVV	30522	60398	1.42%	0.174%
100	15.045	4328	4340	4360	rBV2	52761	111730	2.62%	0.322%

Sum of corrected areas: 34735711

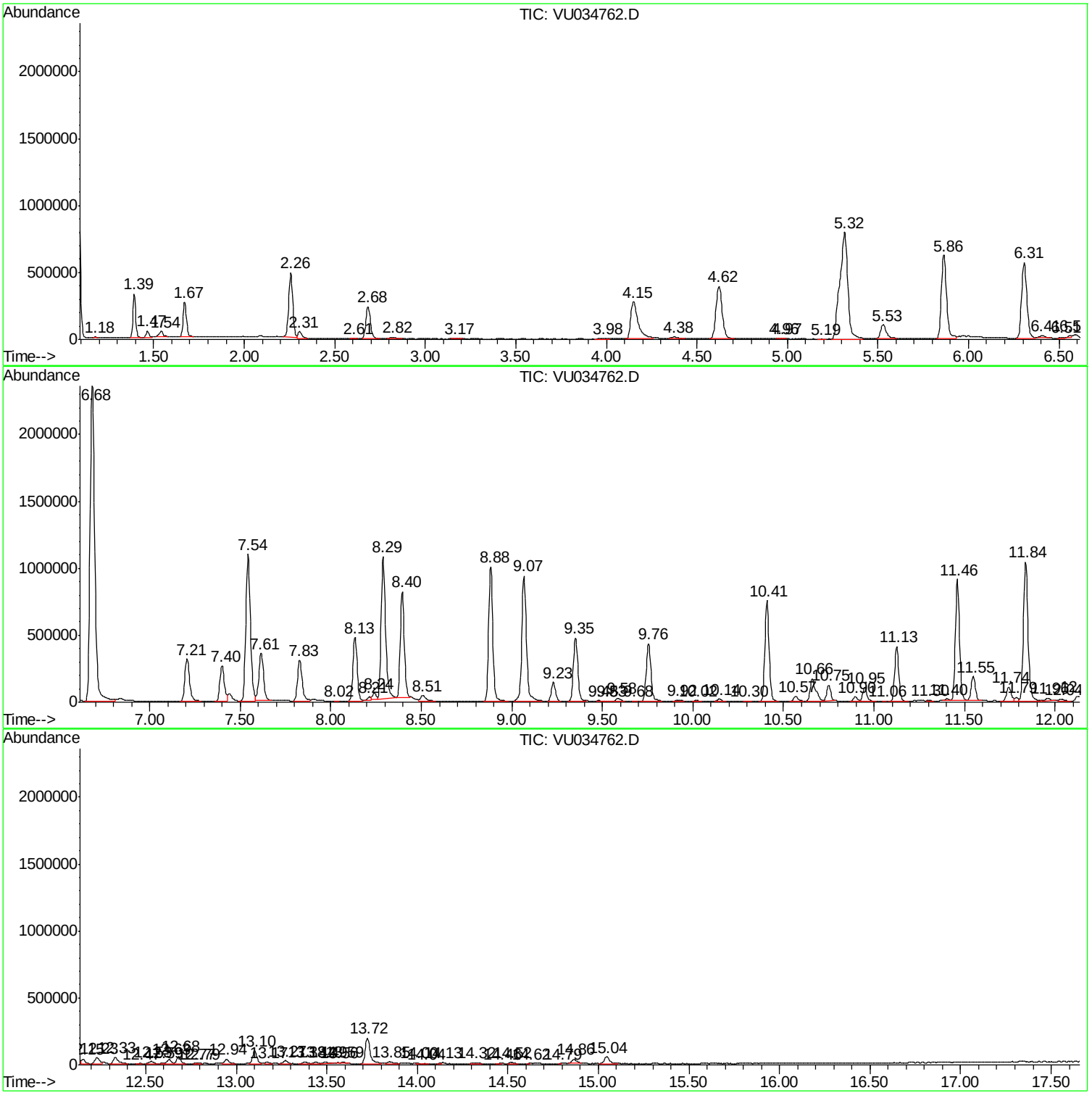
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

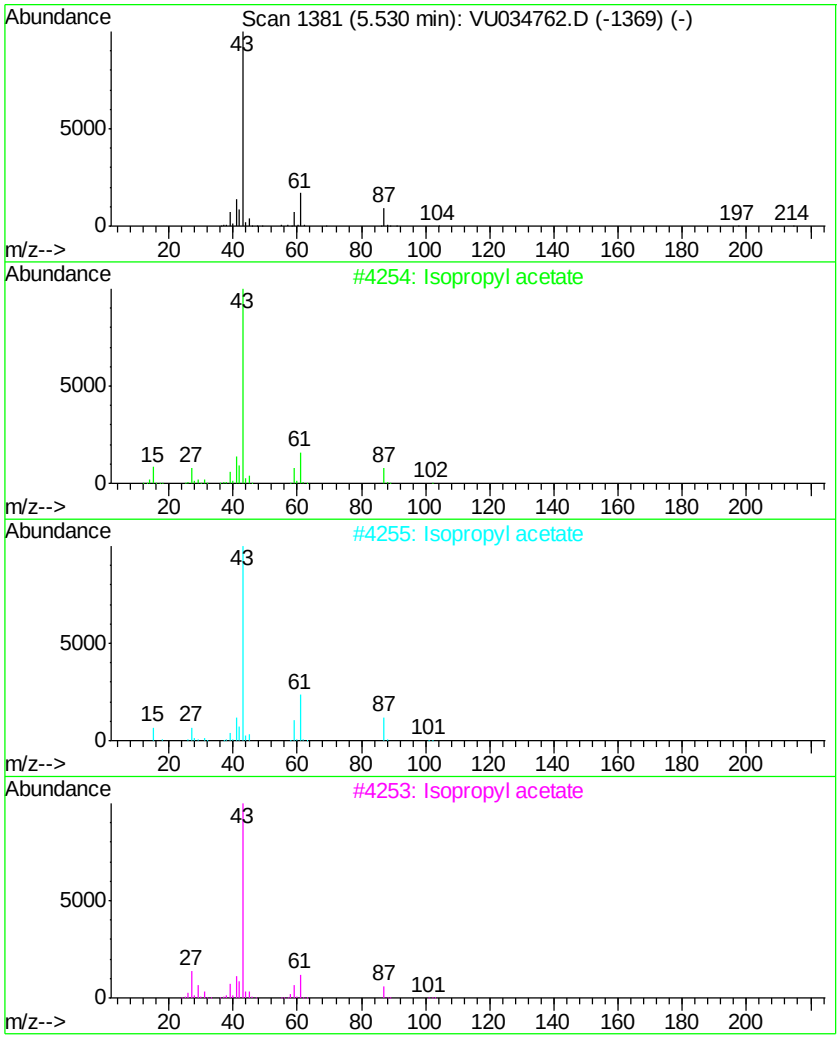
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

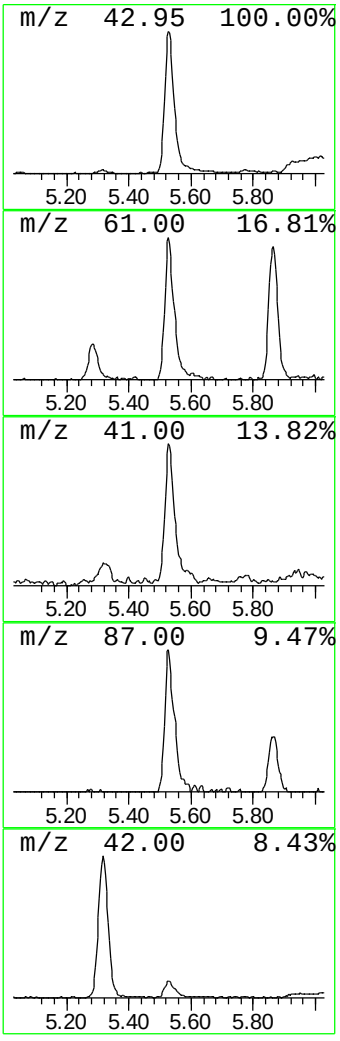
****

Peak Number 1 Isopropyl acetate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.50 ug/L	216896	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	40
4	Isopropyl acetate	102	C5H10O2	000108-21-4	9
5	n-Propyl acetate	102	C5H10O2	000109-60-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

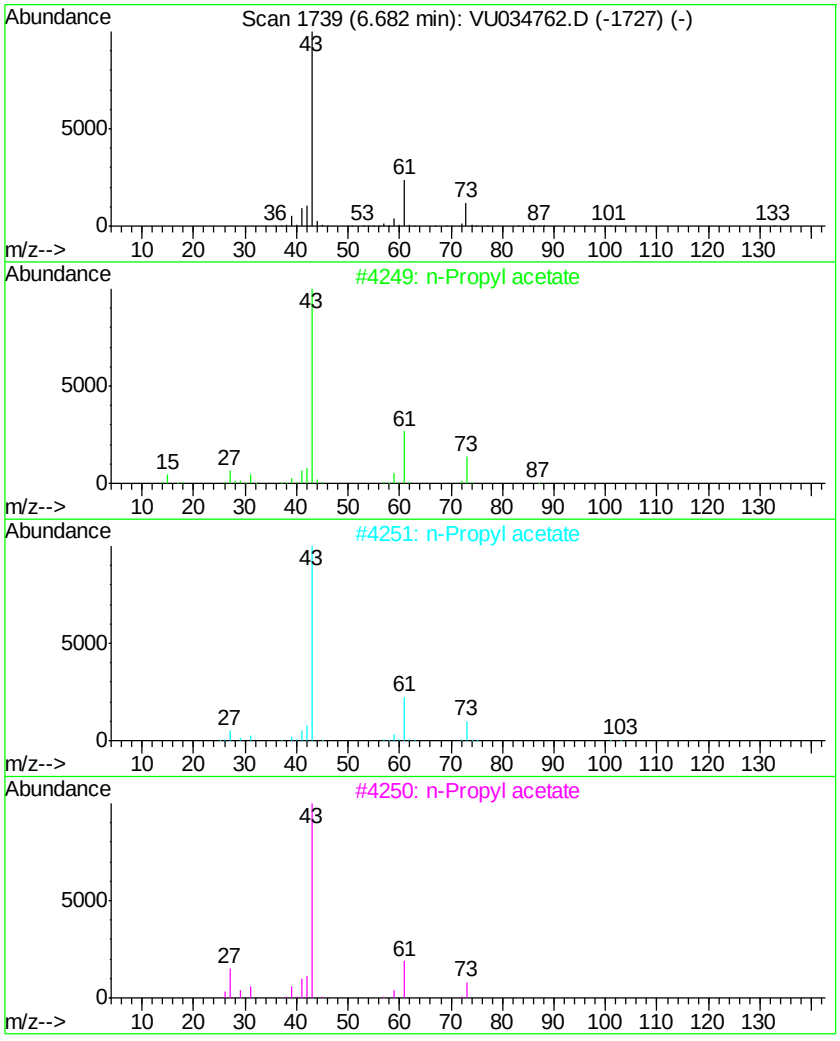
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

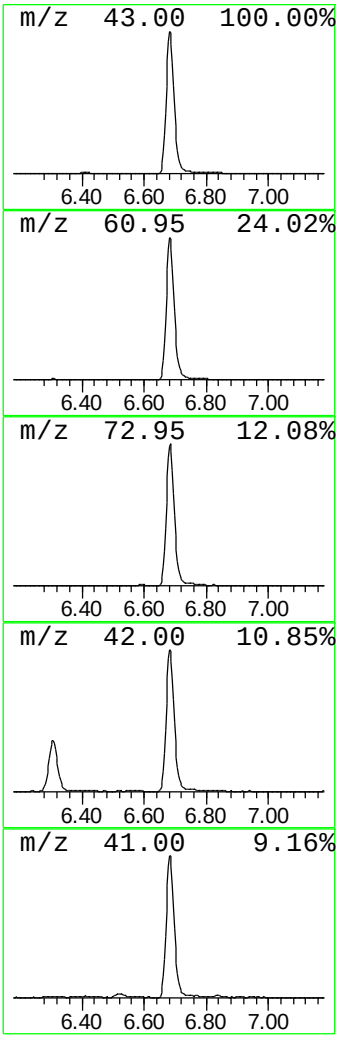
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	167.09 ug/L	4265940	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isobutylamine	73	C4H11N	000078-81-9	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
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ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

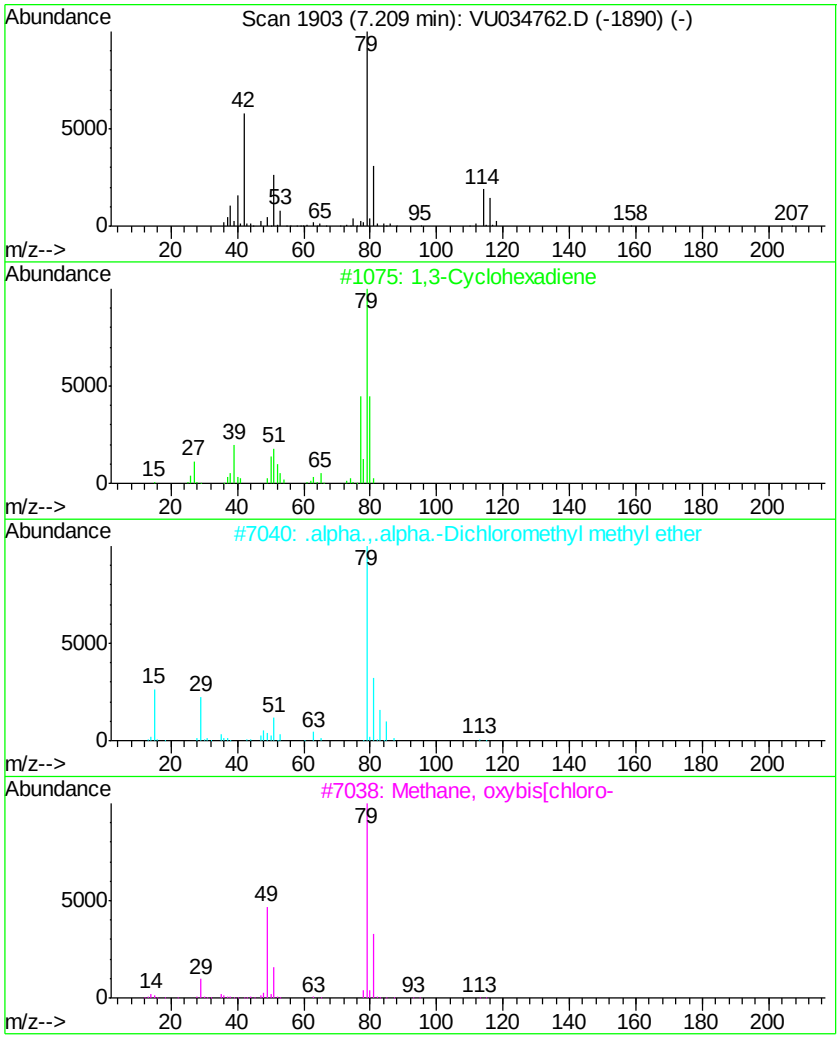
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

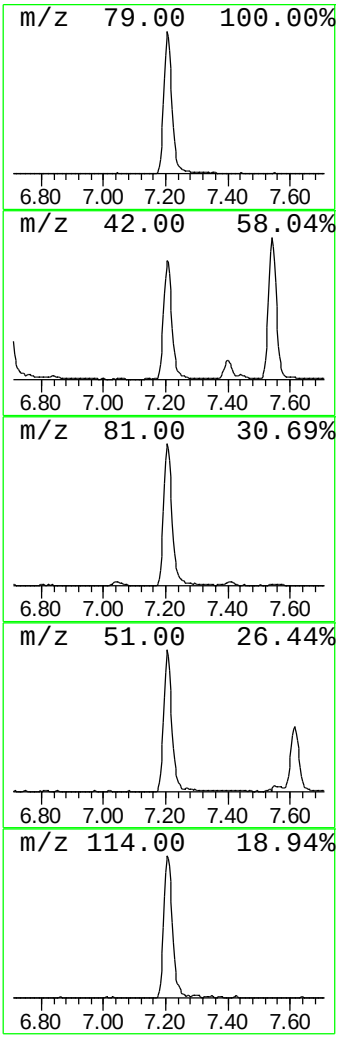
****

Peak Number 3 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	23.09 ug/L	589542	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	28
2	.alpha.,.alpha.-Dichloromethyl m...	114	C2H4Cl2O	004885-02-3	25
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
5	Thiophosgene	114	CCl2S	000463-71-8	22





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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

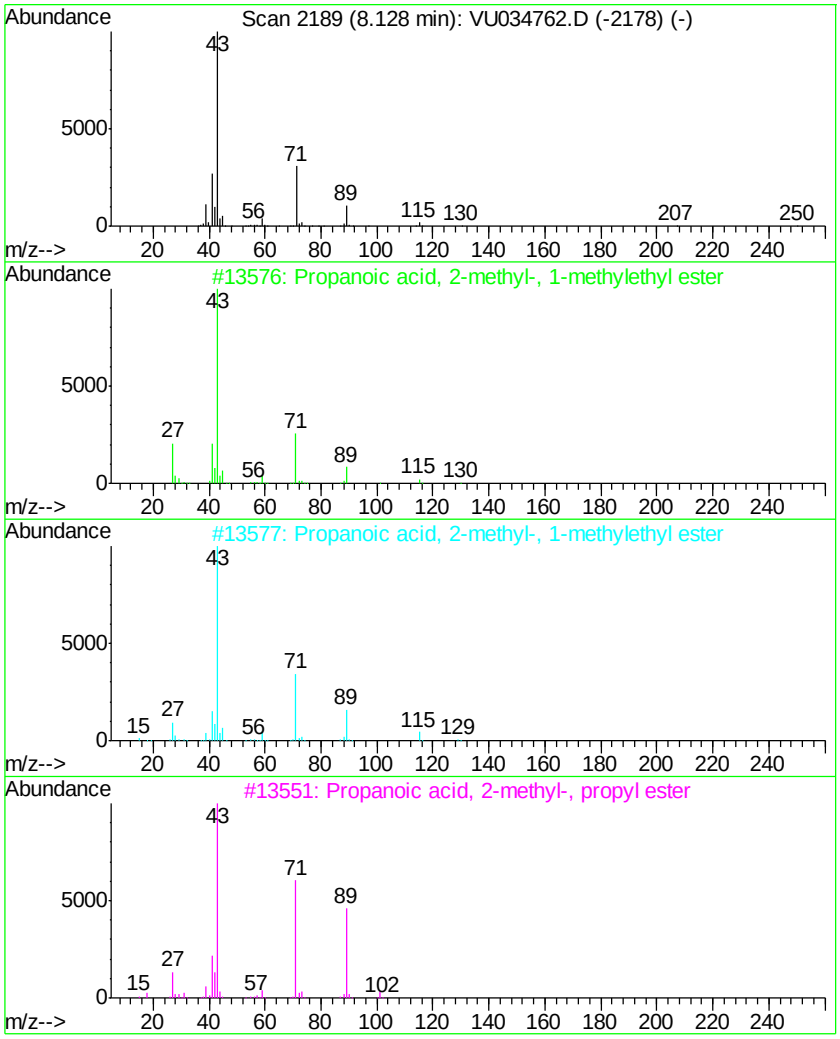
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

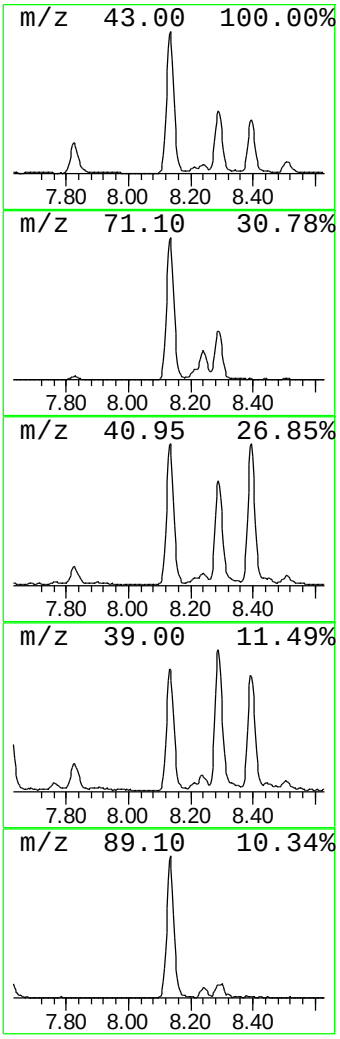
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	24.51 ug/L	796185	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	42





Library Search Compound Report

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Data File : VU034762.D
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Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

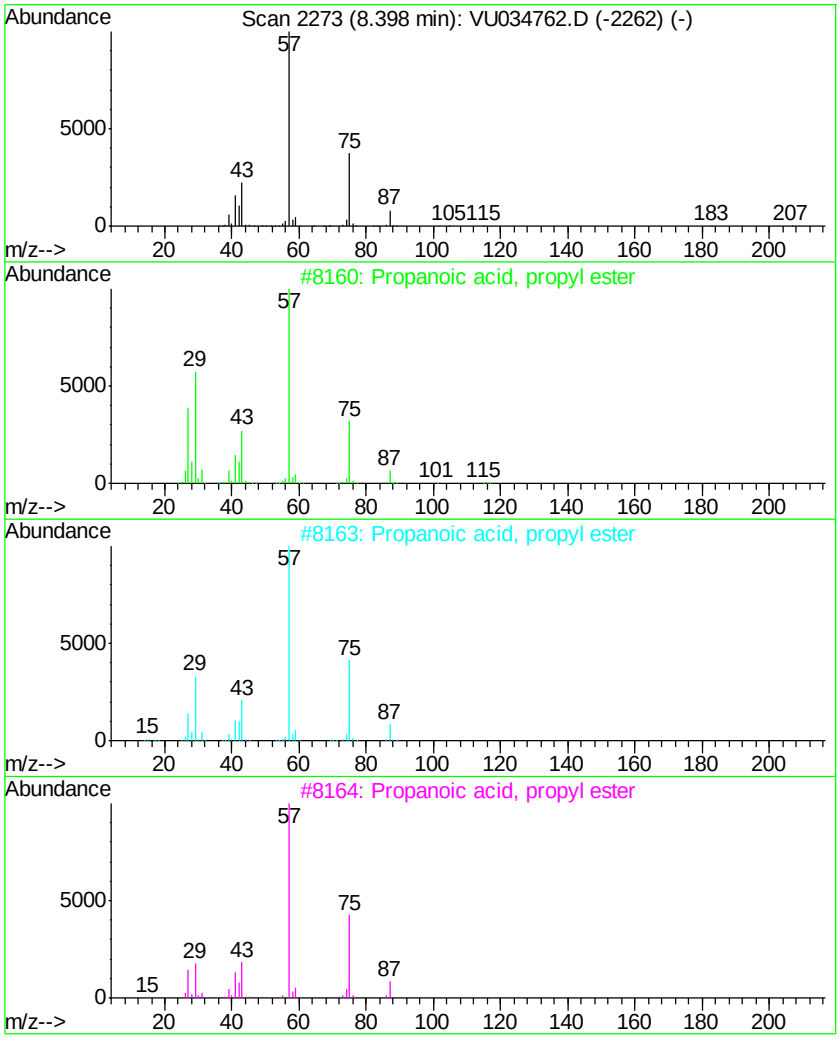
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

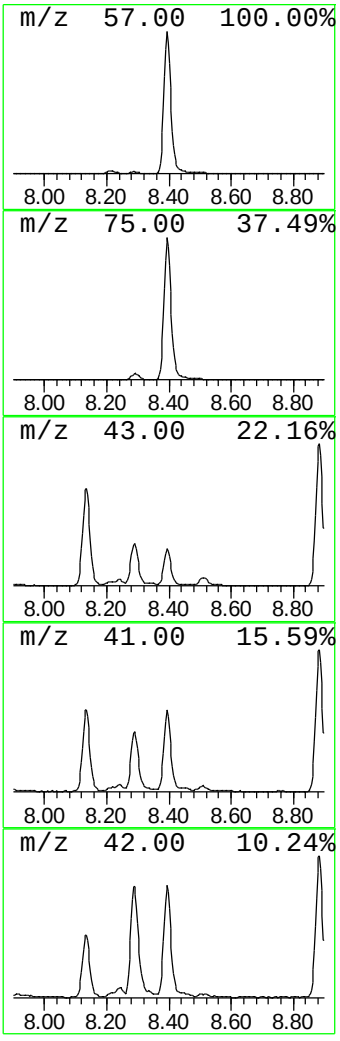
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	37.61 ug/L	1221830	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

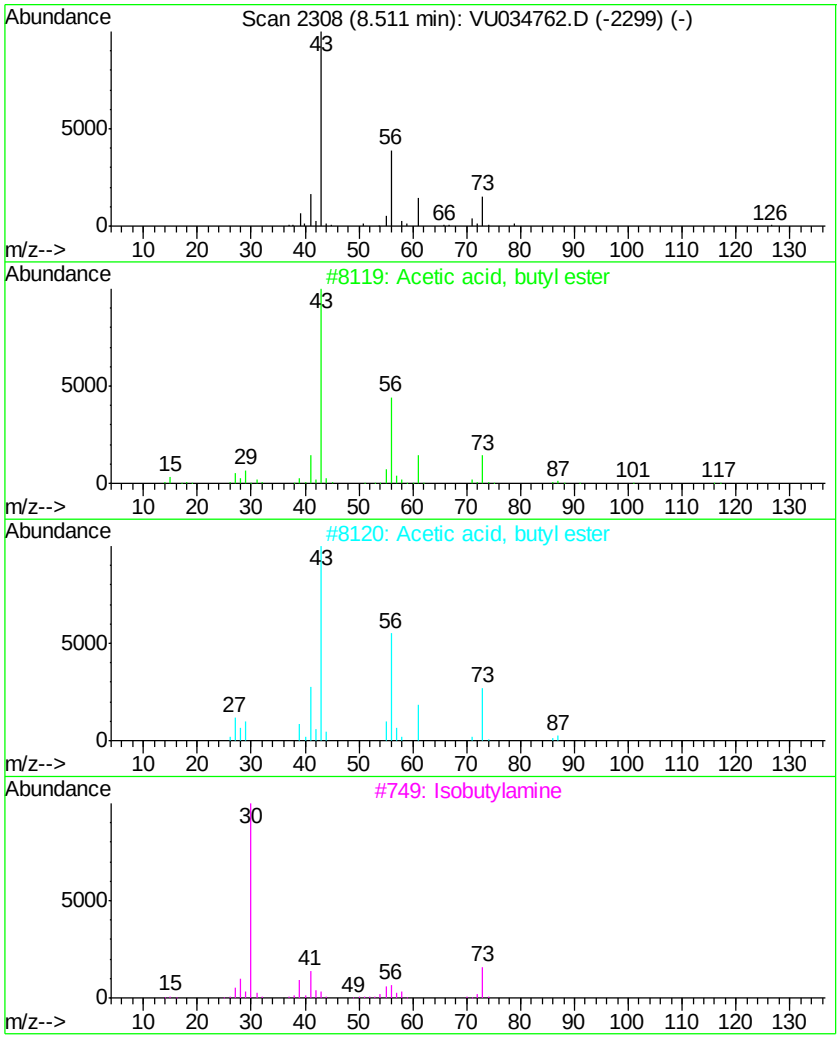
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

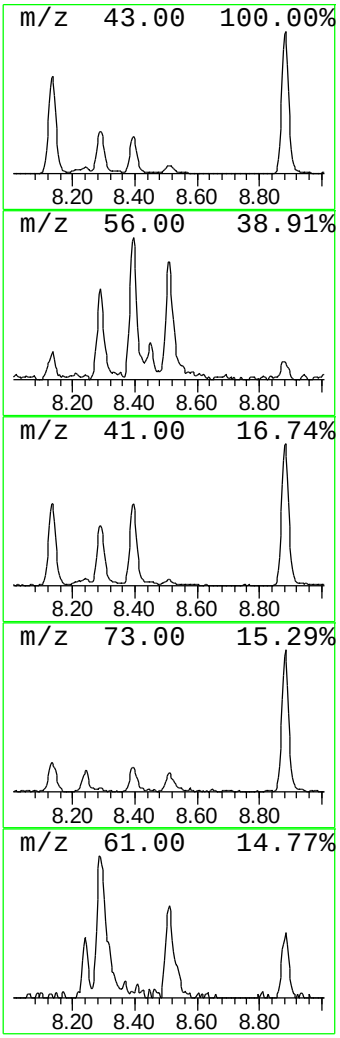
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.76 ug/L	89576	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	56
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	45
3	Isobutylamine	73	C4H11N	000078-81-9	9
4	Isobutylamine	73	C4H11N	000078-81-9	9
5	2,3-Hexanedione	114	C6H10O2	003848-24-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

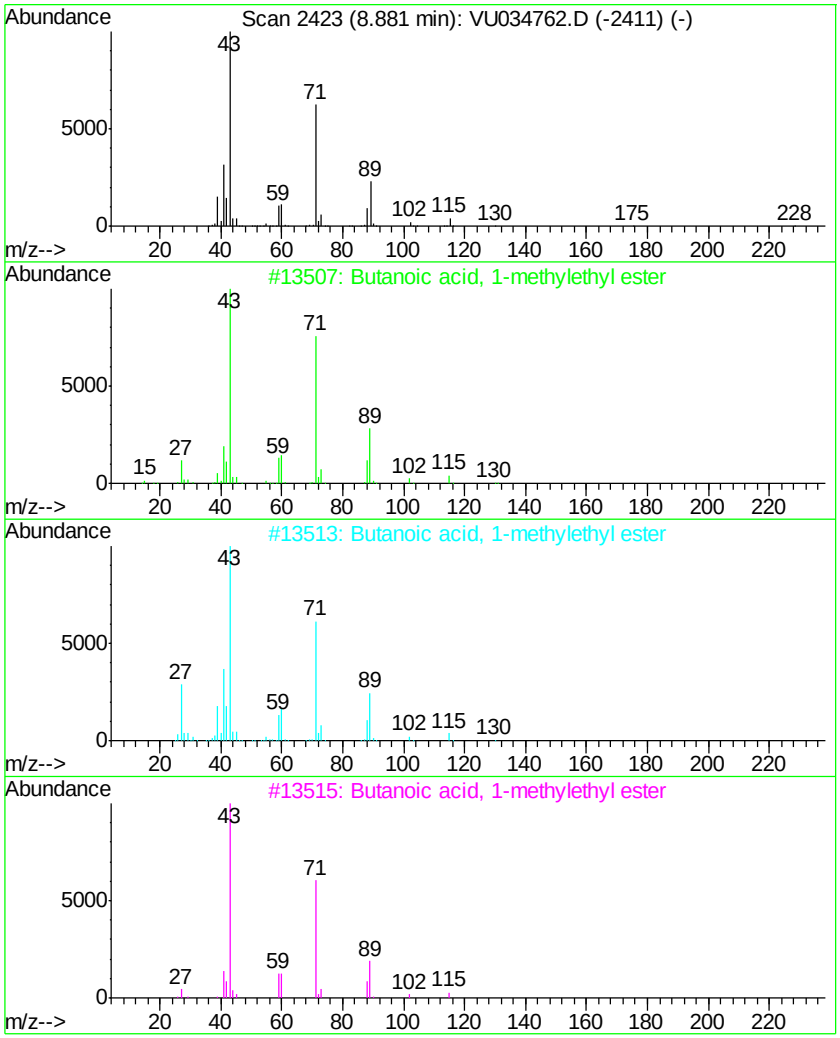
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

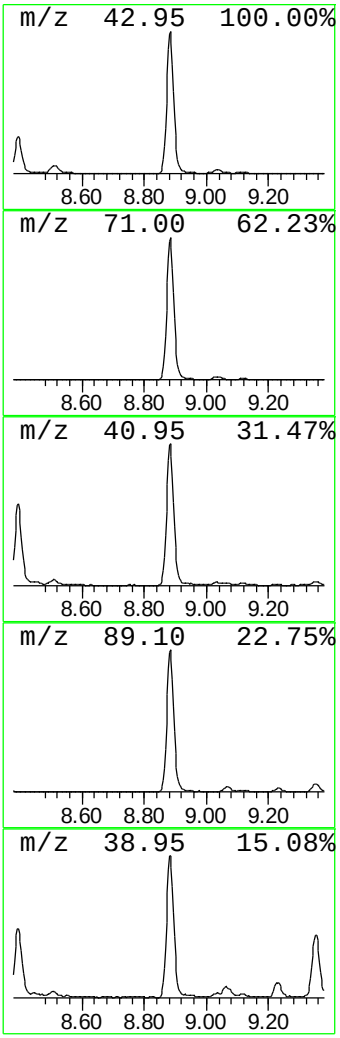
****

Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	49.65 ug/L	1612970	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	95
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

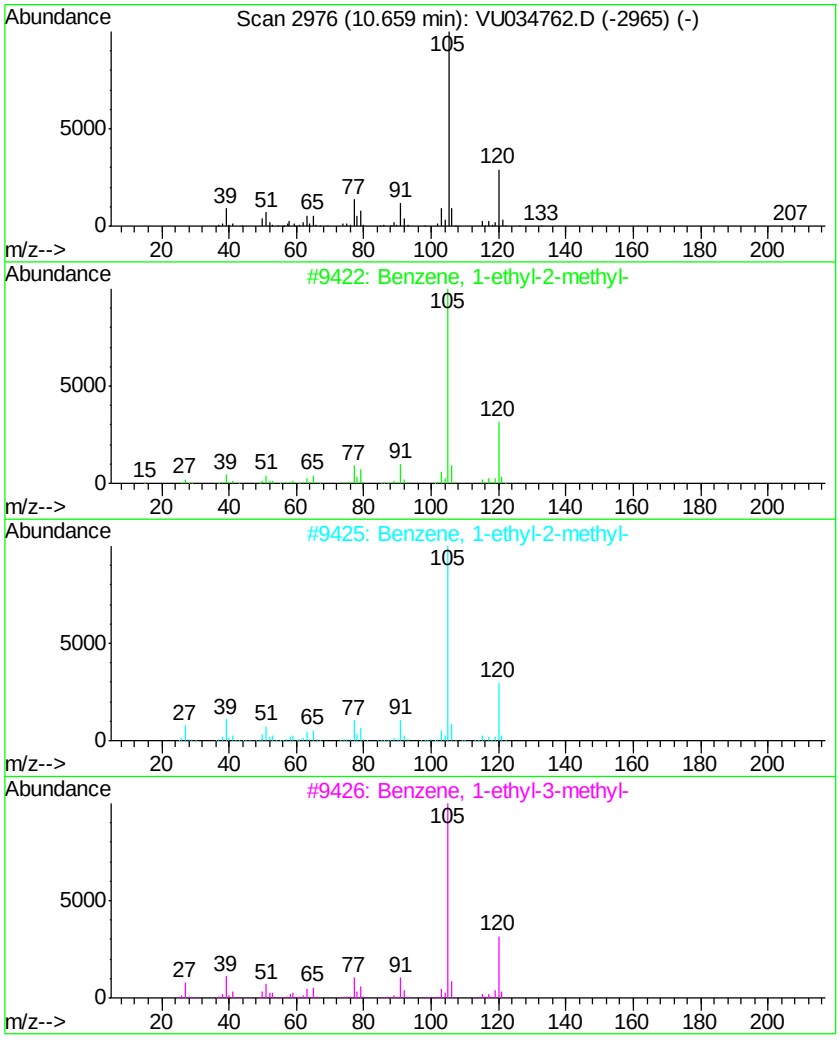
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

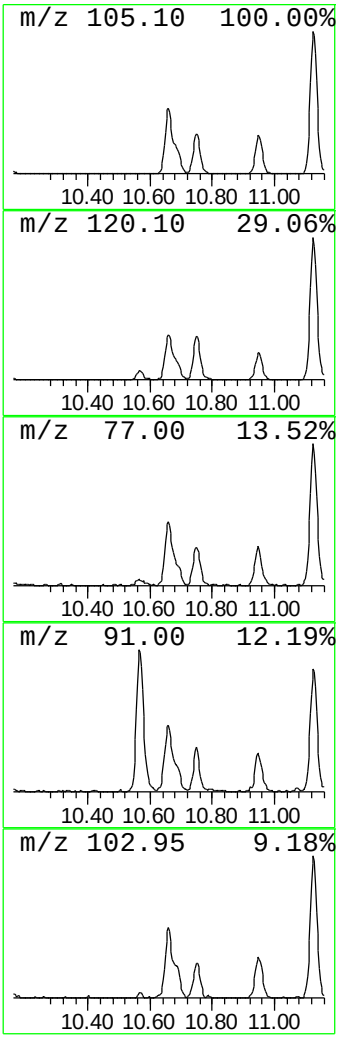
****

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	11.97 ug/L	349688	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

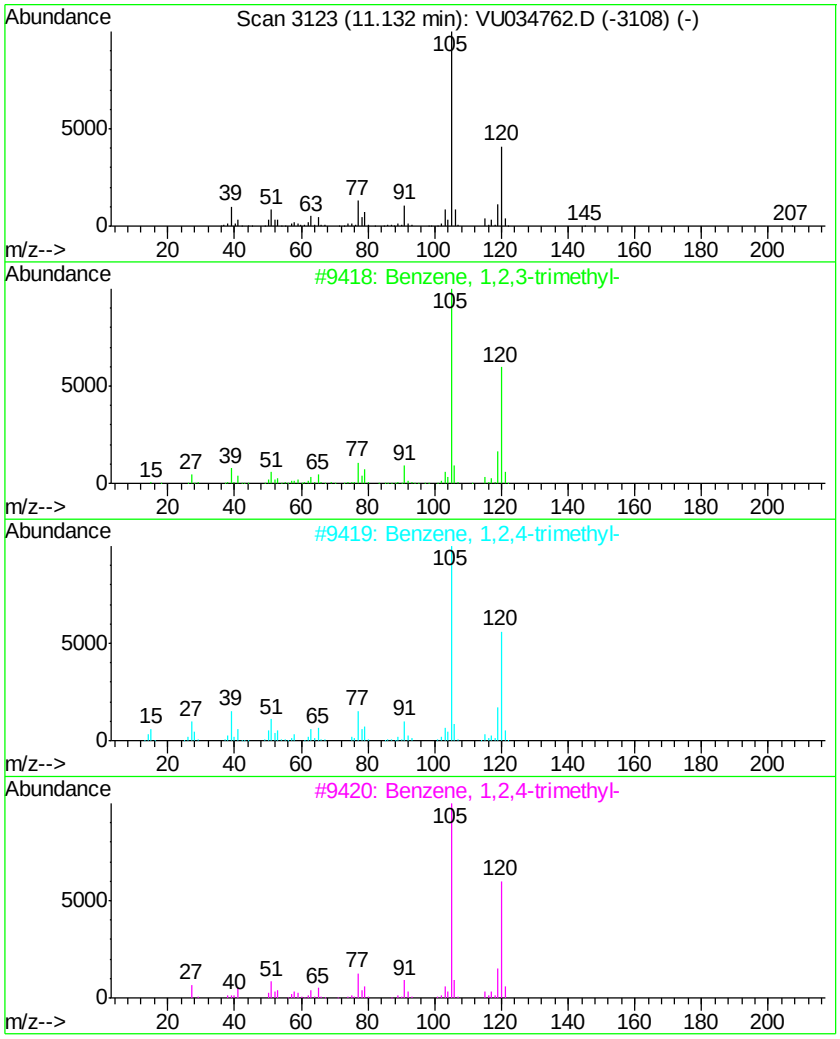
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

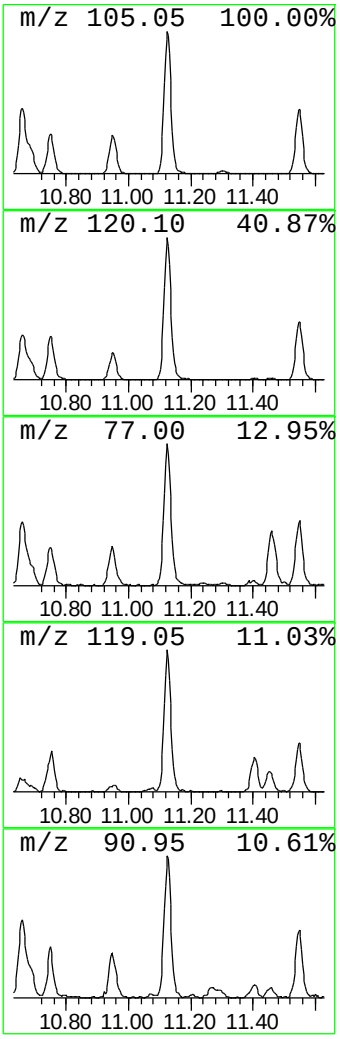
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	22.15 ug/L	647010	1,4-Dichlorobenzene-d4	11.46

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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

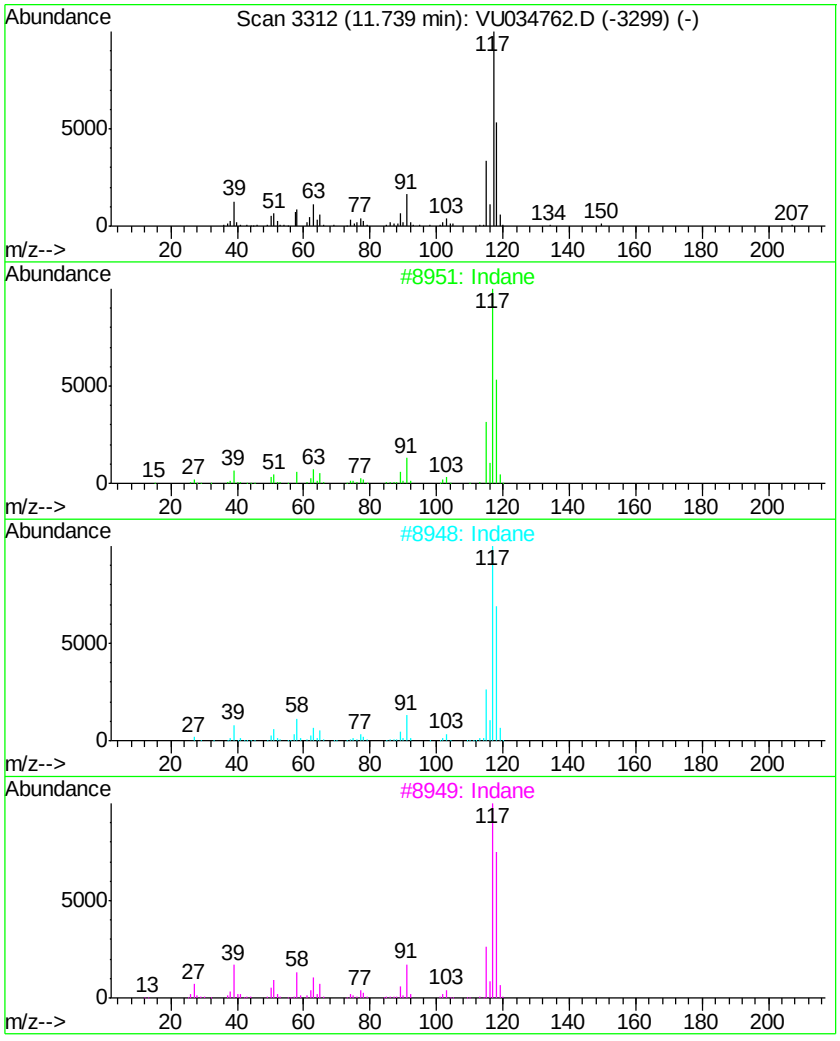
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

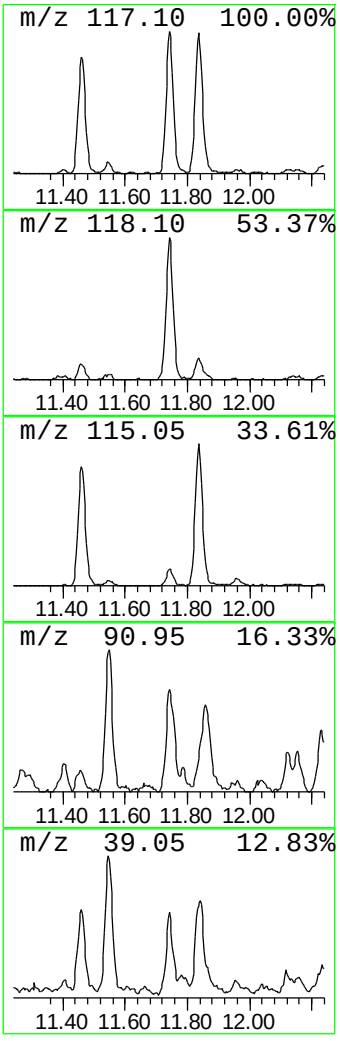
****

Peak Number 13 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.67 ug/L	194843	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	92
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

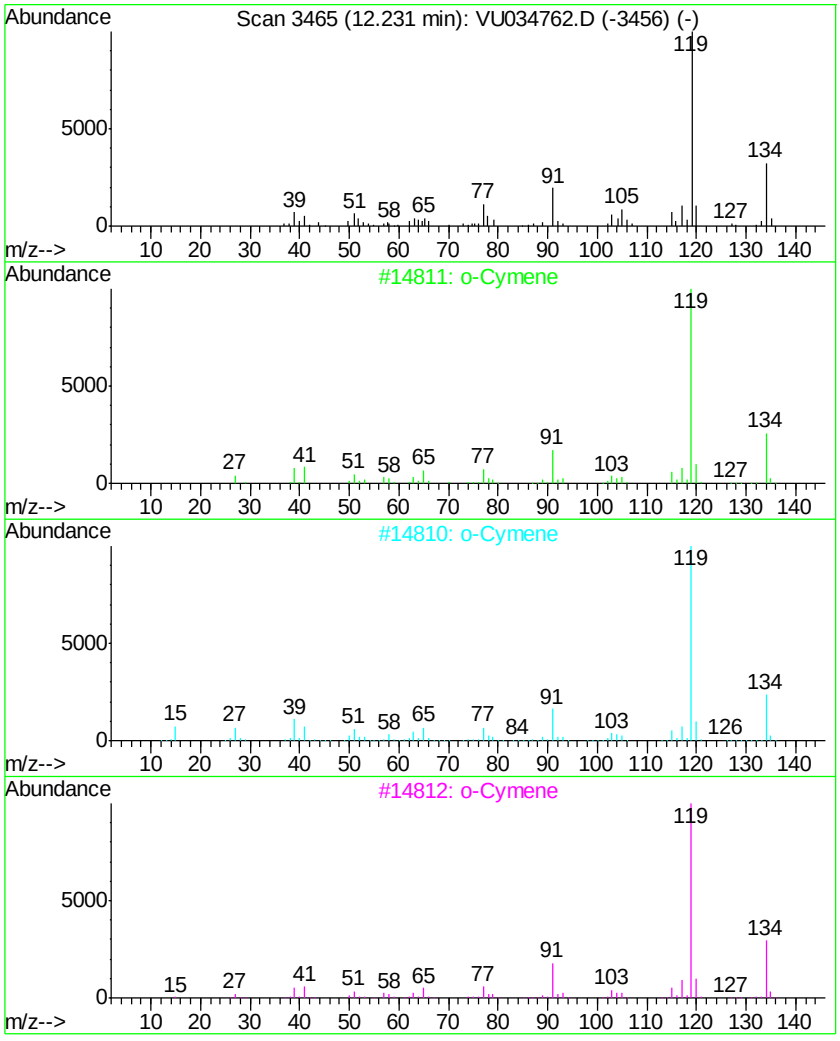
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

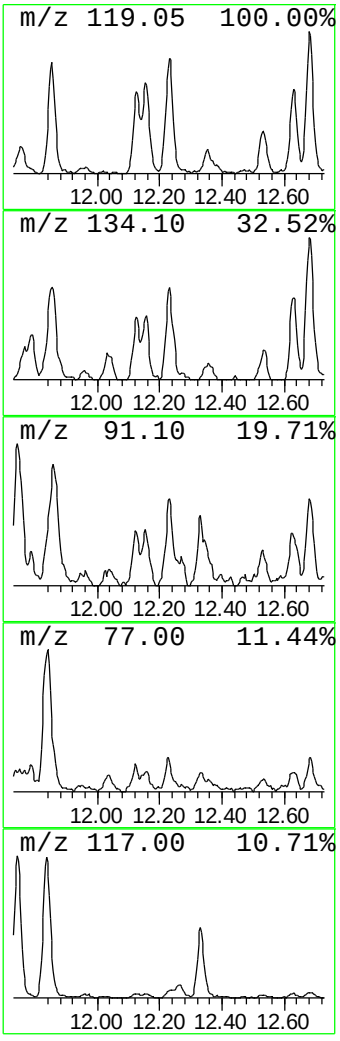
****

Peak Number 14 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.66 ug/L	77731	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	p-Cymene	134	C10H14	000099-87-6	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

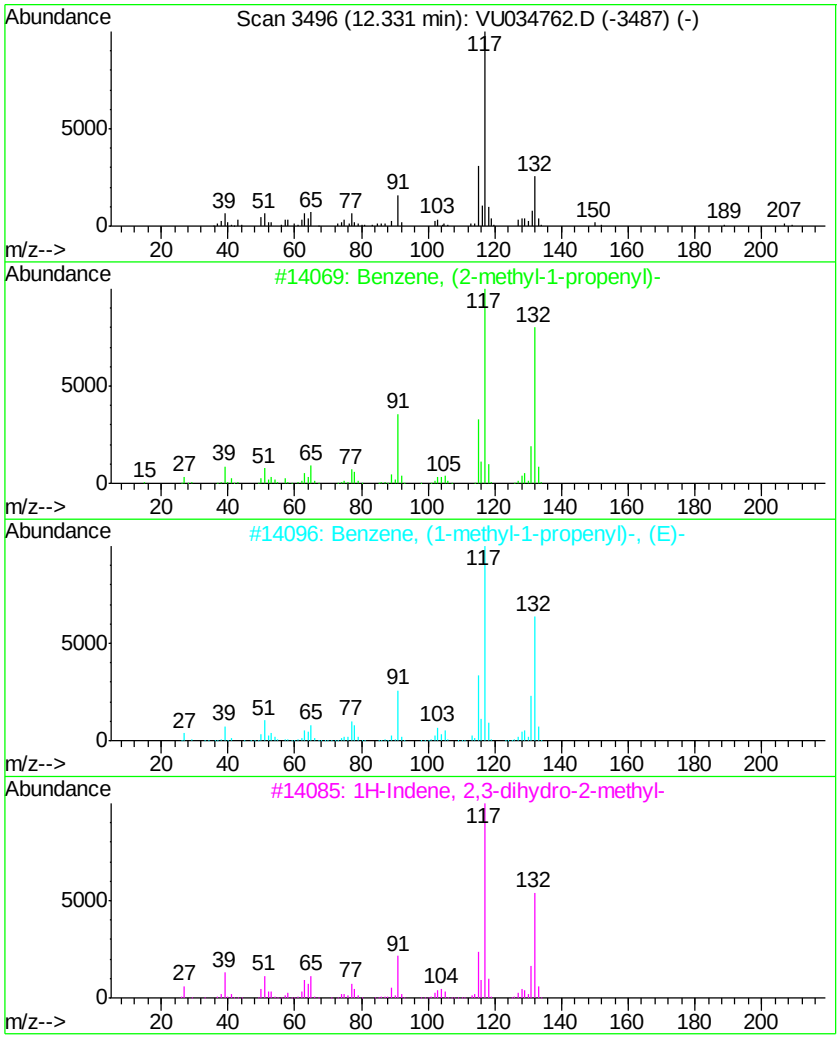
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

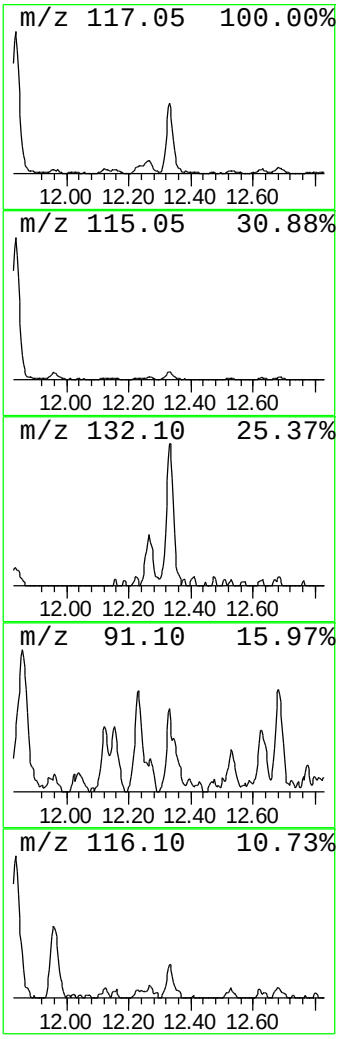
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, (2-methyl-1-propen... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.22 ug/L	94039	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87





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Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

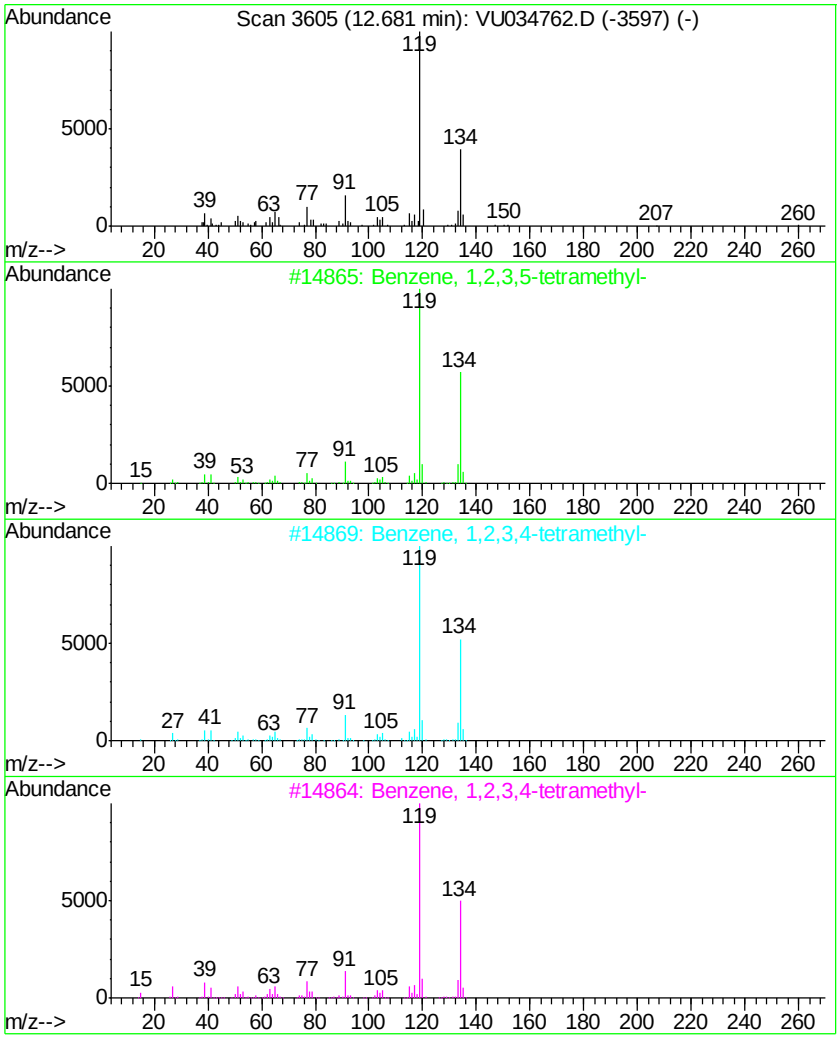
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

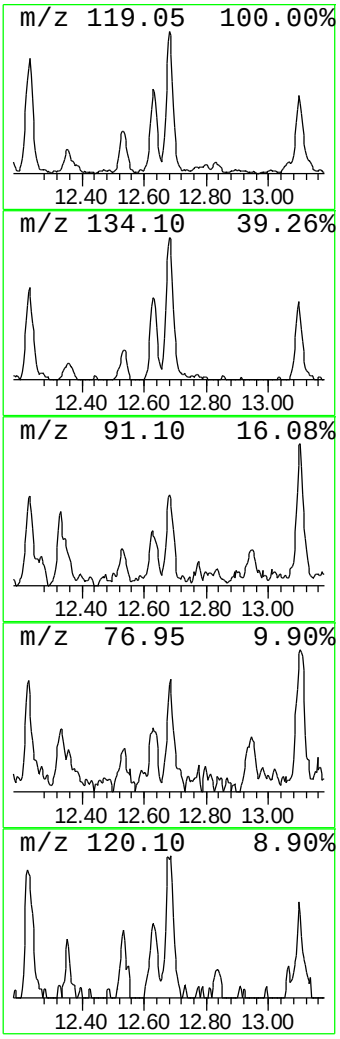
****

Peak Number 16 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	3.03 ug/L	88544	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

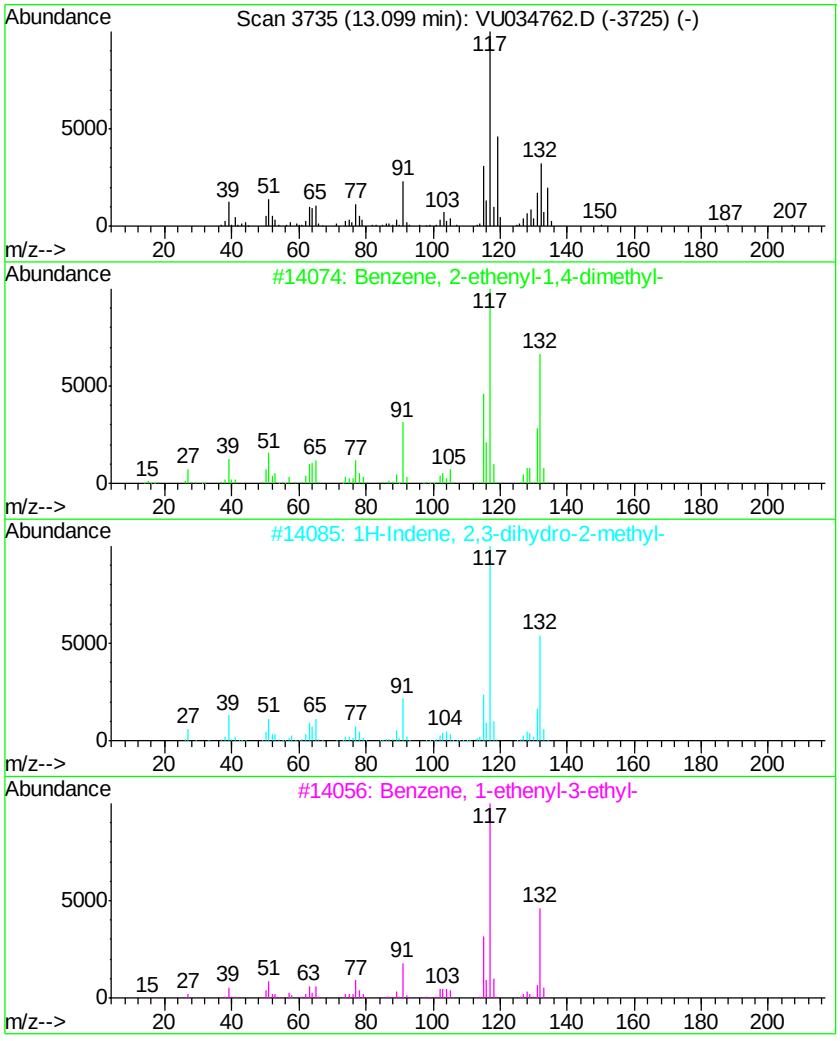
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

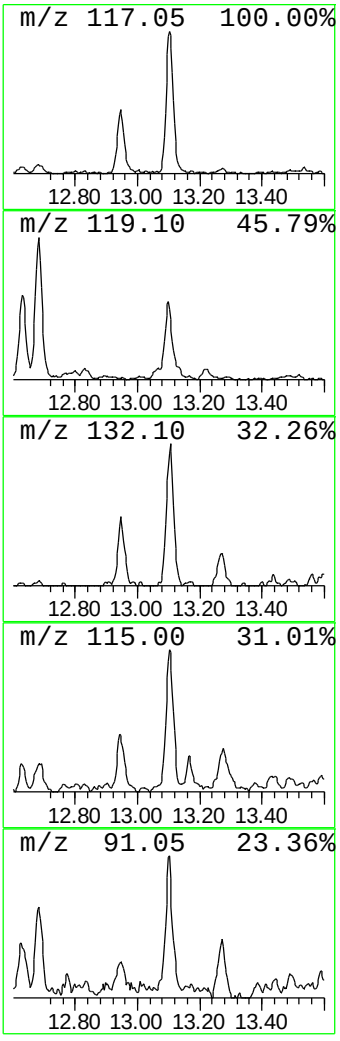
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.69 ug/L	166149	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

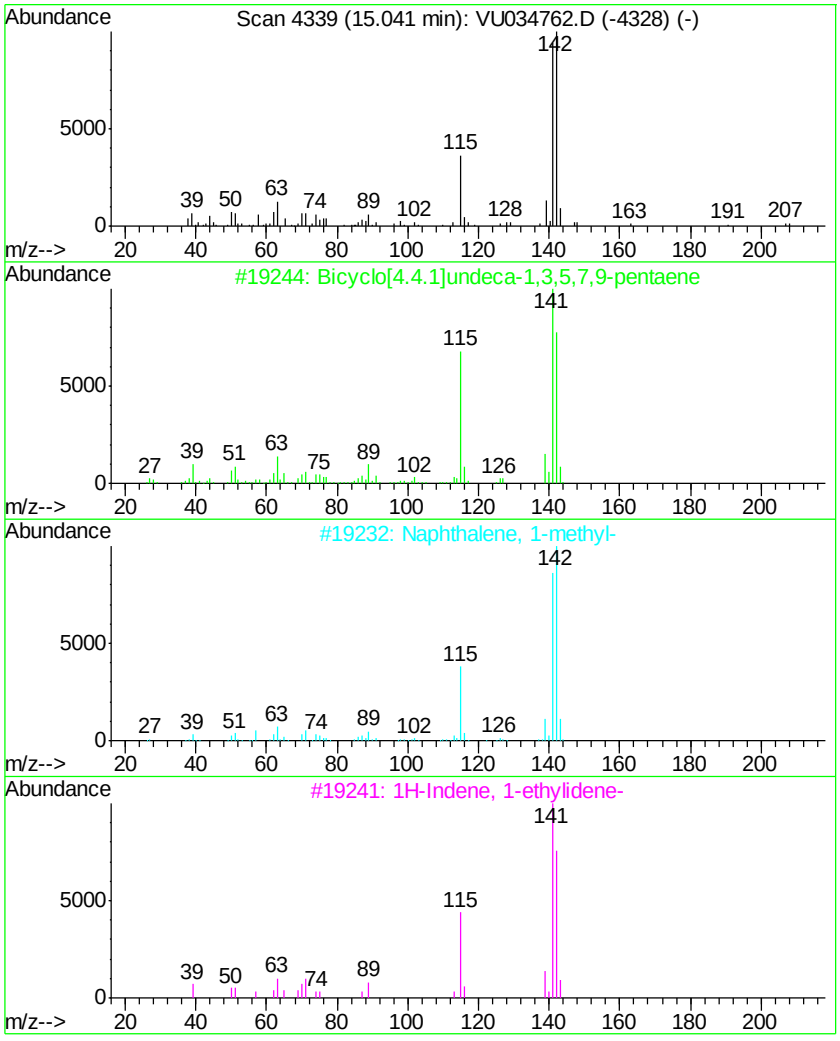
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

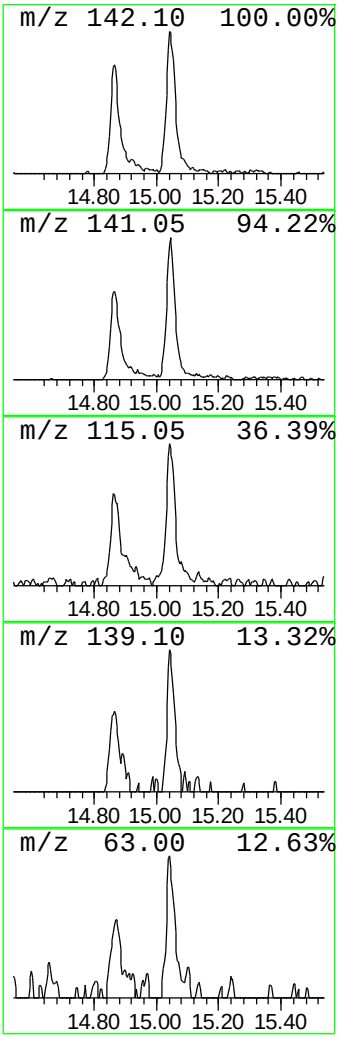
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	3.83 ug/L	111730	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034762.D
Acq On : 24 Sep 2019 02:47
Operator : JC/SP
Sample : K4932-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.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 acetate	5.53	8.5	ug/L	216896	1	5.86	1276550	50.0
n-Propyl acetate	6.68	167.1	ug/L	4265940	1	5.86	1276550	50.0
unknown-01	7.21	23.1	ug/L	589542	1	5.86	1276550	50.0
Propanoic acid, 2...	8.13	24.5	ug/L	796185	2	9.07	1624440	50.0
Propanoic acid, p...	8.40	37.6	ug/L	1221830	2	9.07	1624440	50.0
Acetic acid, buty...	8.51	2.8	ug/L	89576	2	9.07	1624440	50.0
Butanoic acid, 1-...	8.88	49.6	ug/L	1612970	2	9.07	1624440	50.0
Benzene, 1-ethyl-...	10.66	12.0	ug/L	349688	3	11.46	1460280	50.0
Benzene, 1,2,3-tr...	11.13	22.1	ug/L	647010	3	11.46	1460280	50.0
Indane	11.74	6.7	ug/L	194843	3	11.46	1460280	50.0
o-Cymene	12.23	2.7	ug/L	77731	3	11.46	1460280	50.0
Benzene, (2-methy...	12.33	3.2	ug/L	94039	3	11.46	1460280	50.0
Benzene, 1,2,3,5-...	12.68	3.0	ug/L	88544	3	11.46	1460280	50.0
Benzene, 2-etheny...	13.10	5.7	ug/L	166149	3	11.46	1460280	50.0
Bicyclo[4.4.1]und...	15.04	3.8	ug/L	111730	3	11.46	1460280	50.0