LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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	22	27	36	rBV3	14315	17346	0.12%	0.036%
2	1.392	86	94	106	rBV	292164	309984	2.11%	0.641%
3	1.466	110	117	124	rBV	71934	76304	0.52%	0.158%
4	1.544	132	141	150	rVB2	31247	43625	0.30%	0.090%
5	1.672	173	181	196	rVB	243358	316274	2.16%	0.654%
6	2.257	354	363	372	rBV	420109	634827	4.33%	1.312%
7	2.306	372	378	397	rVB	153931	246851	1.68%	0.510%
8	2.437	410	419	420	rBV3	4159	4628	0.03%	0.010%
9	2.460	424	426	433	rVB4	3989	4458	0.03%	0.009%
10	2.608	463	472	480	rBV2	6175	9703	0.07%	0.020%
11	2.685	480	496	527	rBV	8188181	14673206	100.00%	30.337%
12	3.164	634	645	658	rVB2	26770	57079	0.39%	0.118%
13	3.550	753	765	774	rVV8	5981	12428	0.08%	0.026%
14	3.981	890	899	902	rBV7	3102	4575	0.03%	0.009%
15	4.151	938	952	972	rBV	232158	619099	4.22%	1.280%
16	4.248	975	982	1006	rVB2	33603	92829	0.63%	0.192%
17	4.540	1064	1073	1076	rBV7	2989	3840	0.03%	0.008%
18	4.621	1082	1098	1123	rBV	329835	790147	5.38%	1.634%
19	4.858	1163	1172	1177	rBV10	2516	4451	0.03%	0.009%
20	4.974	1197	1208	1222	rVB7	8126	17901	0.12%	0.037%
21	5.315	1290	1314	1347	rBV2	710339	2129648	14.51%	4.403%
22	5.527	1366	1380	1405	rBV2	101868	224940	1.53%	0.465%
23	5.865	1466	1485	1502	rBV	583869	1296503	8.84%	2.680%
24	6.309	1609	1623	1642	rBV	489787	981917	6.69%	2.030%
25	6.405	1646	1653	1671	rVB3	19082	41909	0.29%	0.087%
26	6.514	1683	1687	1693	rBV5	5052	6443	0.04%	0.013%
27	6.559	1694	1701	1704	rBV2	18181	21754	0.15%	0.045%
28	6.682	1727	1739	1778	rBV	2234230	4002216	27.28%	8.275%
29	6.836	1781	1787	1798	rVB7	15131	27942	0.19%	0.058%
30	7.206	1890	1902	1925	rVV2	269698	501258	3.42%	1.036%
31	7.399	1951	1962	1985	rVV	267674	484859	3.30%	1.002%
32	7.543	1994	2007	2024	rBV	1001839	1758703	11.99%	3.636%
33	7.685	2045	2051	2059	rVB9	5210	7646	0.05%	0.016%
34	7.826	2084	2095	2112	rBV2	256560	460932	3.14%	0.953%

LSC Area Percent Report

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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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	8.135	2178	2191	2207	rBV	473140	785205	5.35%	1.623%
36	8.212	2207	2215	2217	rBV3	25710	31855	0.22%	0.066%
37	8.241	2218	2224	2229	rVV2	53858	77943	0.53%	0.161%
38	8.289	2229	2239	2260	rVV	923306	1593924	10.86%	3.295%
39	8.395	2262	2272	2286	rVV	770568	1196170	8.15%	2.473%
40	8.508	2299	2307	2330	rVB3	37983	79230	0.54%	0.164%
41	8.881	2411	2423	2453	rBV	964876	1552939	10.58%	3.211%
42	9.067	2460	2481	2504	rBV	829093	1496012	10.20%	3.093%
43	9.228	2520	2531	2546	rVB2	76989	126617	0.86%	0.262%
44	9.350	2555	2569	2586	rBV	438027	763965	5.21%	1.579%
45	9.585	2635	2642	2656	rVV3	23874	40237	0.27%	0.083%
46	9.755	2682	2695	2715	rBV3	351480	641071	4.37%	1.325%
47	9.913	2735	2744	2754	rBV6	7904	17256	0.12%	0.036%
48	10.022	2770	2778	2782	rBV7	5459	8383	0.06%	0.017%
49	10.144	2805	2816	2829	rVB2	57098	93532	0.64%	0.193%
50	10.299	2857	2864	2870	rBV9	3315	4345	0.03%	0.009%
51	10.408	2886	2898	2918	rVV	678258	1096790	7.47%	2.268%
52	10.566	2932	2947	2963	rBV	90772	158031	1.08%	0.327%
53	10.659	2966	2976	2981	rBV2	138647	228094	1.55%	0.472%
54	10.749	2994	3004	3016	rBV	118149	176653	1.20%	0.365%
55	10.897	3037	3050	3056	rBV4	12354	21125	0.14%	0.044%
56	10.948	3056	3066	3086	rVB	142490	241228	1.64%	0.499%
57	11.058	3090	3100	3102	rBV9	4372	6767	0.05%	0.014%
58	11.125	3110	3121	3141	rVB	566177	871196	5.94%	1.801%
59	11.222	3145	3151	3158	rBV7	8932	11585	0.08%	0.024%
60	11.299	3169	3175	3185	rVB5	19829	33785	0.23%	0.070%
61	11.405	3198	3208	3214	rBV4	20608	29961	0.20%	0.062%
62	11.460	3214	3225	3243	rVV	818141	1332081	9.08%	2.754%
63	11.546	3243	3252	3265	rVB	241843	373183	2.54%	0.772%
64	11.742	3302	3313	3323	rBV	225183	396775	2.70%	0.820%
65	11.836	3332	3342	3365	rVB	983379	1710947	11.66%	3.537%
66	11.961	3373	3381	3389	rBV7	16778	24951	0.17%	0.052%
67	12.035	3395	3404	3413	rVB2	27477	46313	0.32%	0.096%
68	12.125	3422	3432	3437	rBV	57285	94670	0.65%	0.196%
69	12.228	3455	3464	3472	rBV	98969	156804	1.07%	0.324%
70	12.334	3486	3497	3519	rVB3	62365	138621	0.94%	0.287%
71	12.472	3532	3540	3545	rBV3	5411	7435	0.05%	0.015%

LSC Area Percent Report

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Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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	12.530	3548	3558	3568	rVB5	32146	53561	0.37%	0.111%
73	12.595	3568	3578	3582	rBV	26827	43450	0.30%	0.090%
74	12.627	3582	3588	3596	rVV	76005	117135	0.80%	0.242%
75	12.681	3596	3605	3620	rVB	108964	178012	1.21%	0.368%
76	12.768	3627	3632	3637	rBV8	6392	6782	0.05%	0.014%
77	12.881	3659	3667	3678	rVV8	8253	16517	0.11%	0.034%
78	12.945	3678	3687	3698	rVB	61851	98256	0.67%	0.203%
79	13.099	3717	3735	3746	rBV4	187099	330954	2.26%	0.684%
80	13.212	3766	3770	3778	rVB4	7413	11039	0.08%	0.023%
81	13.270	3778	3788	3802	rBV4	45470	92870	0.63%	0.192%
82	13.382	3814	3823	3831	rVB9	24917	42890	0.29%	0.089%
83	13.437	3831	3840	3847	rVB5	19333	26811	0.18%	0.055%
84	13.488	3848	3856	3863	rBV4	27738	46377	0.32%	0.096%
85	13.588	3882	3887	3893	rVV4	11233	14126	0.10%	0.029%
86	13.720	3917	3928	3953	rVV	571419	1001198	6.82%	2.070%
87	13.839	3958	3965	3977	rVB3	19443	37501	0.26%	0.078%
88	13.919	3983	3990	4007	rBV3	15495	34210	0.23%	0.071%
89	14.131	4048	4056	4071	rBV5	21497	38981	0.27%	0.081%
90	14.318	4104	4114	4125	rBV7	17684	43885	0.30%	0.091%
91	14.456	4146	4157	4169	rVB9	11166	23688	0.16%	0.049%
92	14.520	4169	4177	4190	rVB7	16564	30321	0.21%	0.063%
93	14.623	4205	4209	4212	rBV6	5700	5124	0.03%	0.011%
94	14.800	4259	4264	4271	rBV9	5710	9631	0.07%	0.020%
95	14.858	4272	4282	4299	rBV	99552	190220	1.30%	0.393%
96	15.041	4329	4339	4355	rBV2	149566	263210	1.79%	0.544%
97	15.192	4381	4386	4390	rBV7	3599	3901	0.03%	0.008%
98	15.334	4425	4430	4435	rBV8	3110	3839	0.03%	0.008%
99	16.045	4645	4651	4658	rBV6	10525	15302	0.10%	0.032%
100	16.723	4854	4862	4876	rBV4	18551	36327	0.25%	0.075%

Sum of corrected areas: 48368022

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
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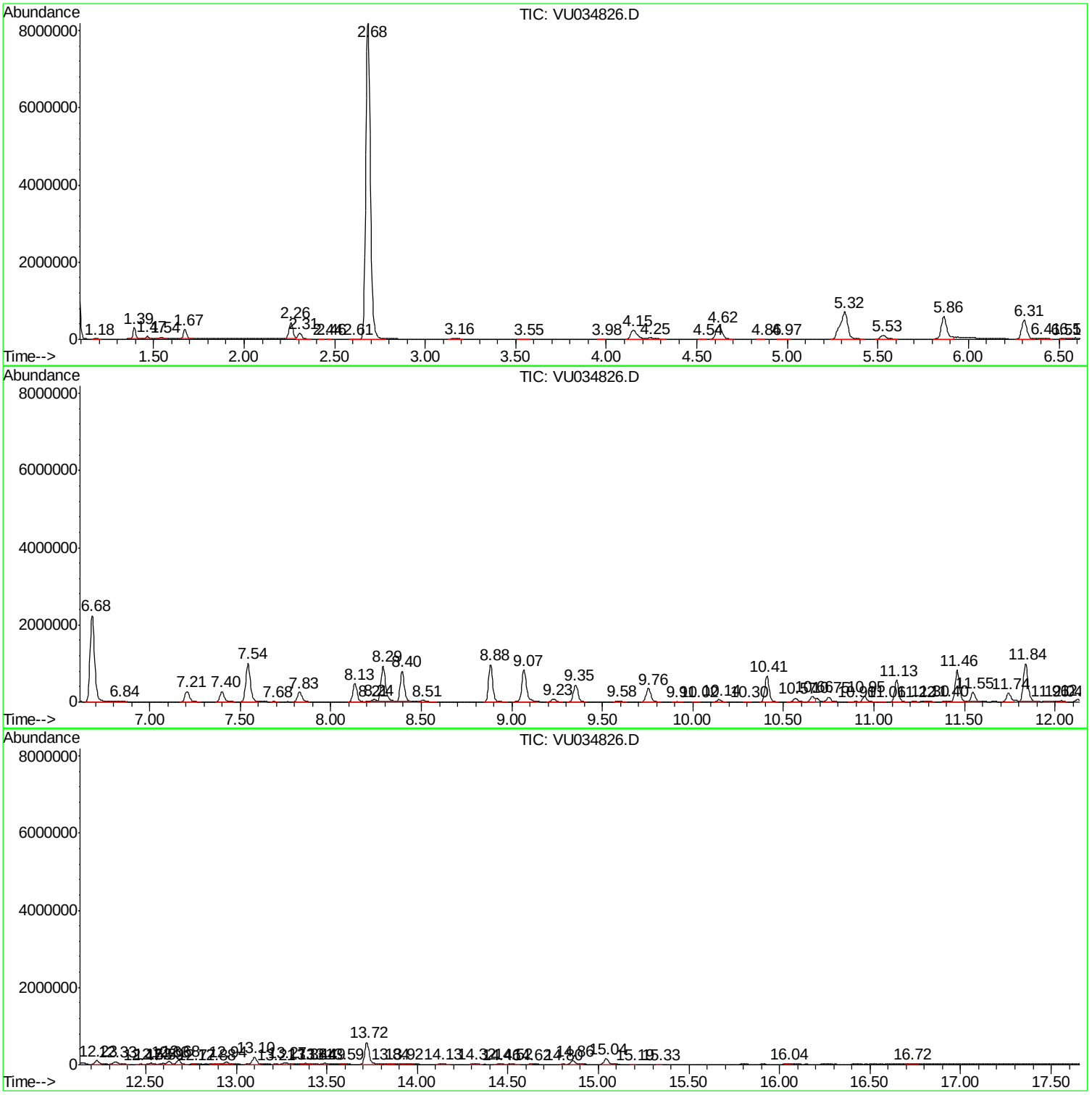
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

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Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

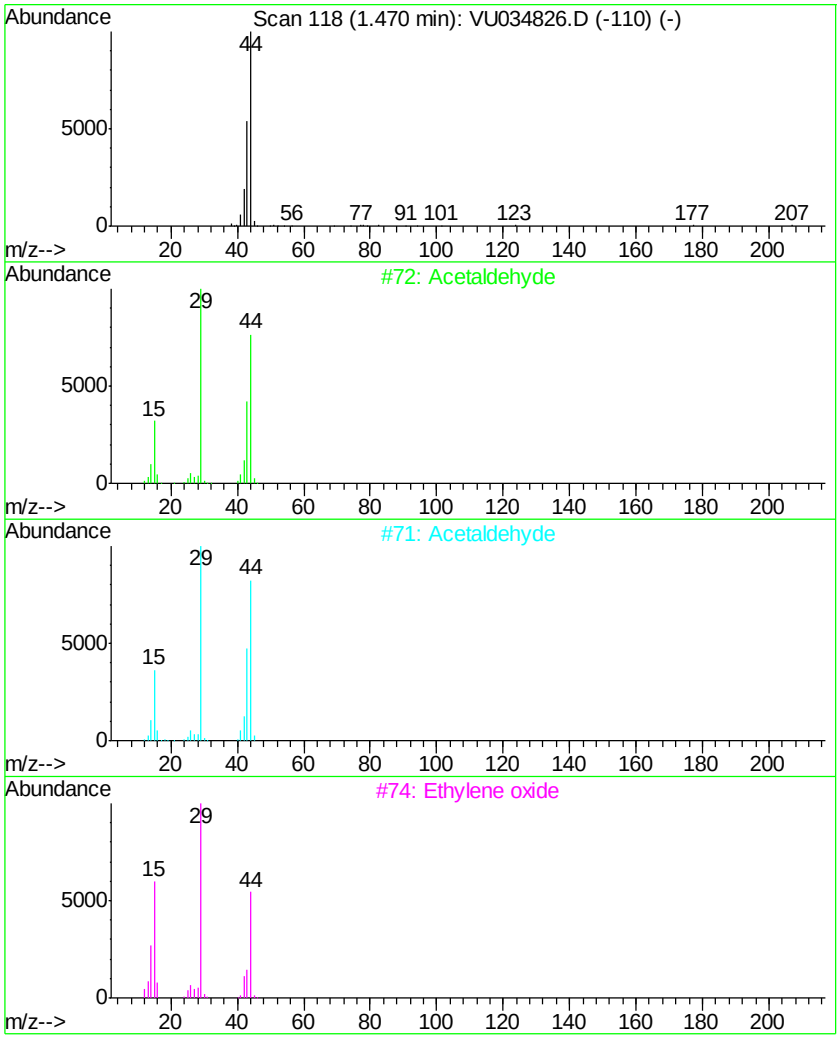
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

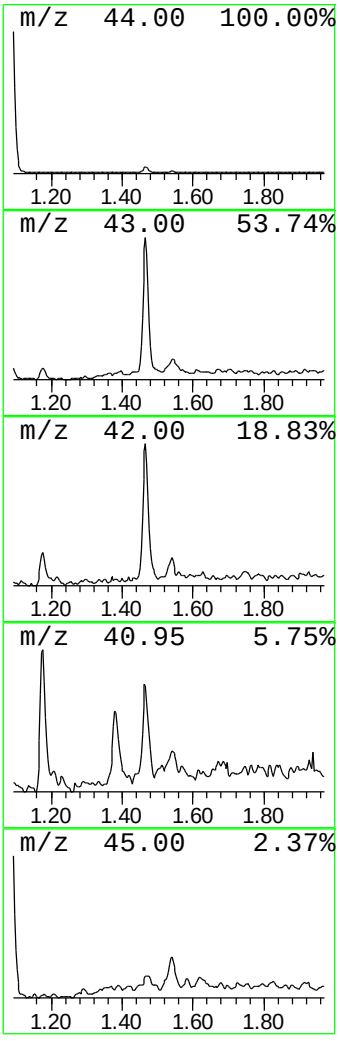
****

Peak Number 1 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	2.94 ug/L	76304	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Oxirane-2-carboxylic acid, methy...	102	C4H6O3	004538-50-5	4
5	Ethylene oxide	44	C2H4O	000075-21-8	4





Library Search Compound Report

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Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

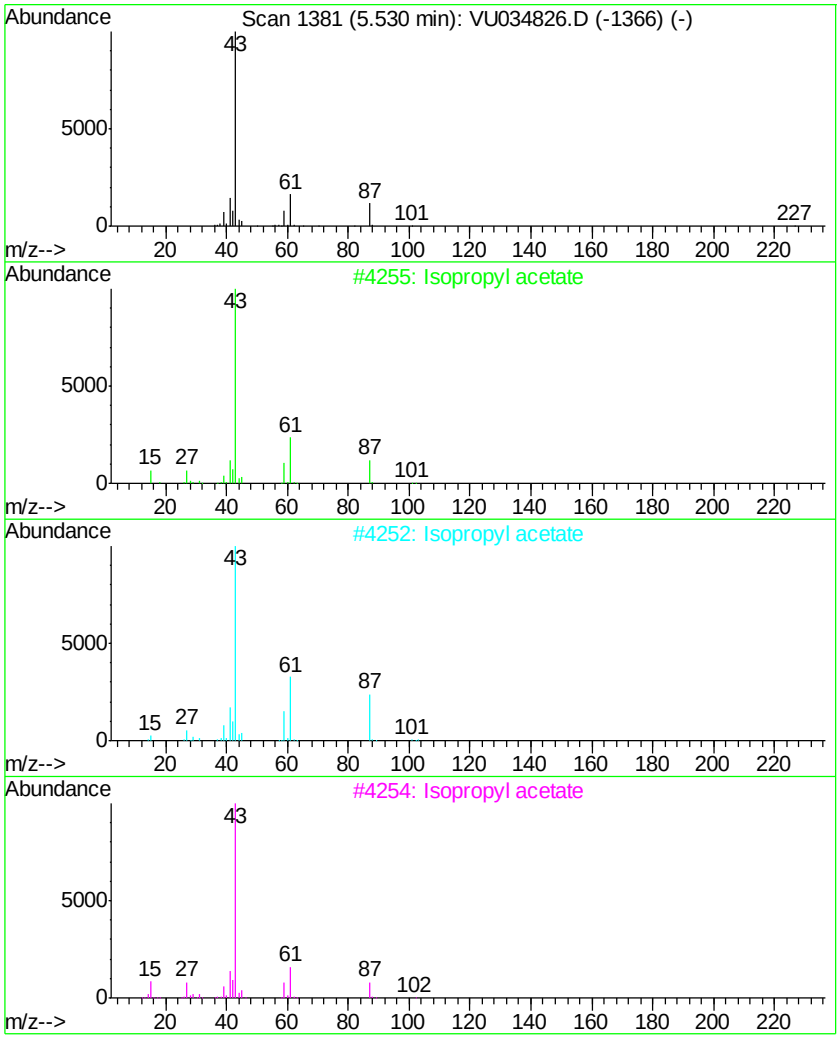
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

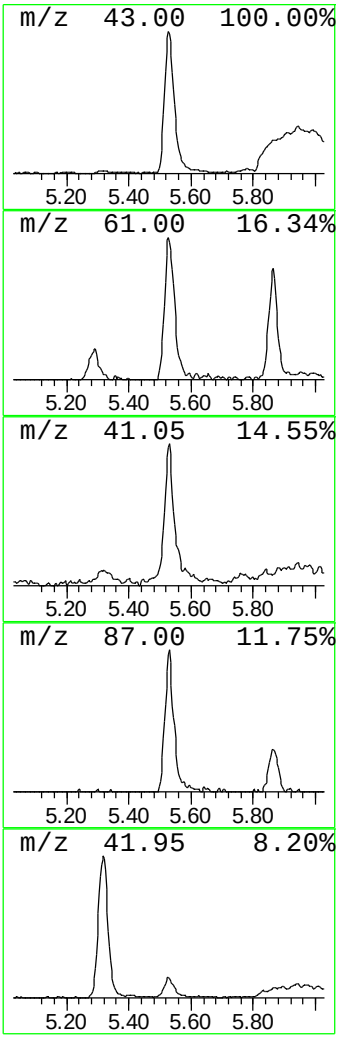
****

Peak Number 2 Isopropyl acetate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.67 ug/L	224940	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2	Isopropyl acetate	102	C5H10O2	000108-21-4	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	56
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	12





Library Search Compound Report

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ClientSampleId : BFDJ7

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

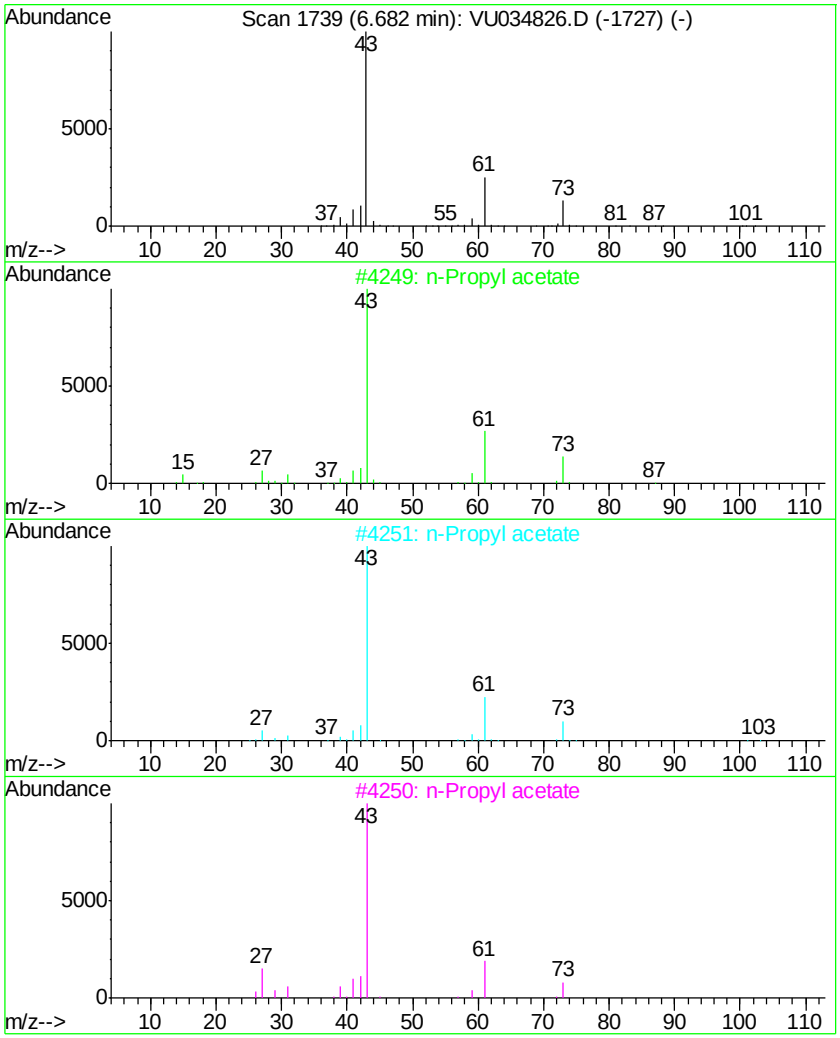
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

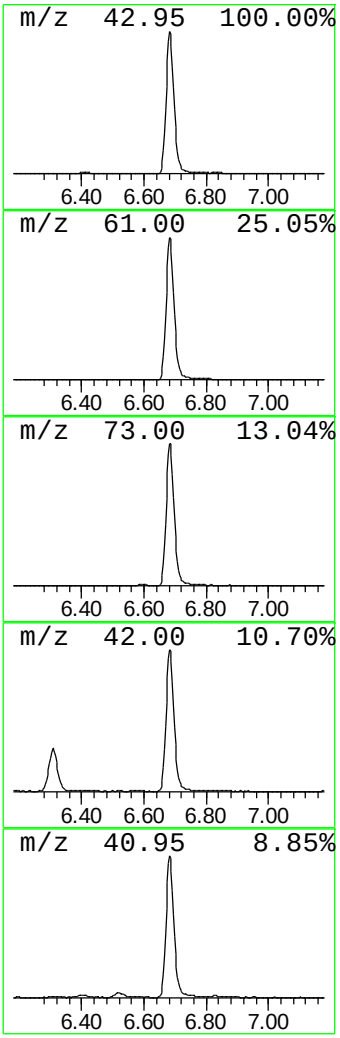
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	154.35 ug/L	4002220	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	78
3	n-Propyl acetate	102	C5H10O2	000109-60-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isobutylamine	73	C4H11N	000078-81-9	7





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ClientSampleId : BFDJ7

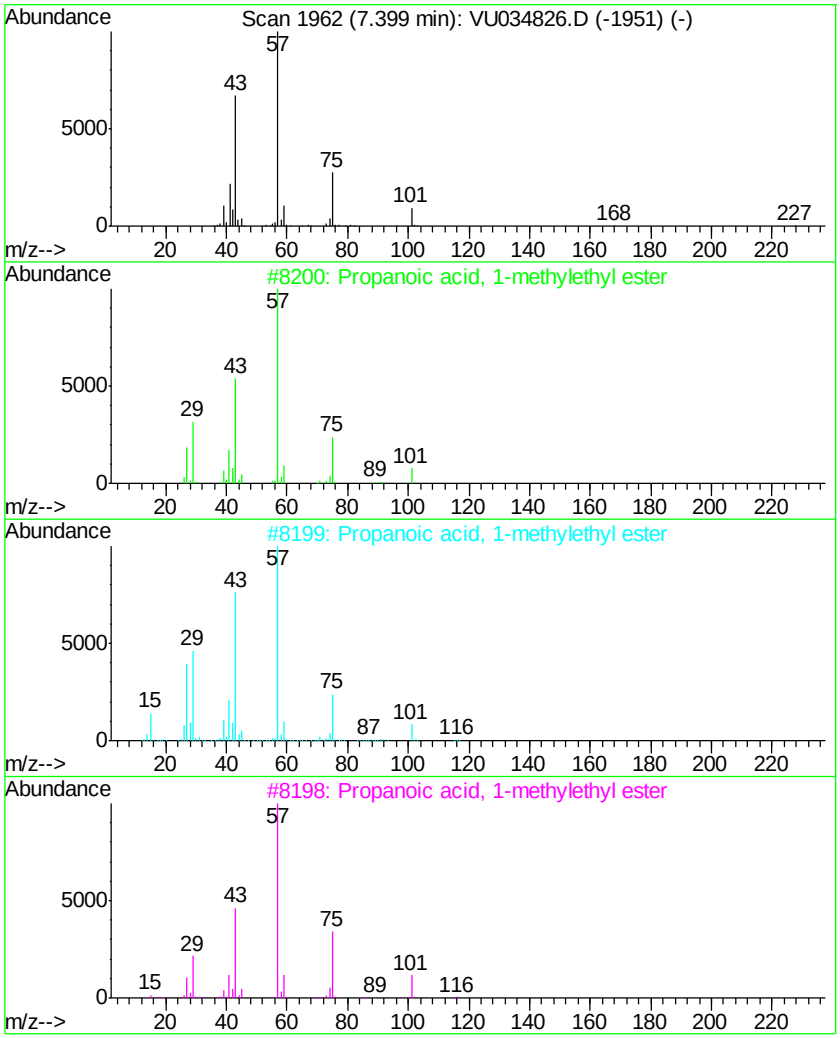
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

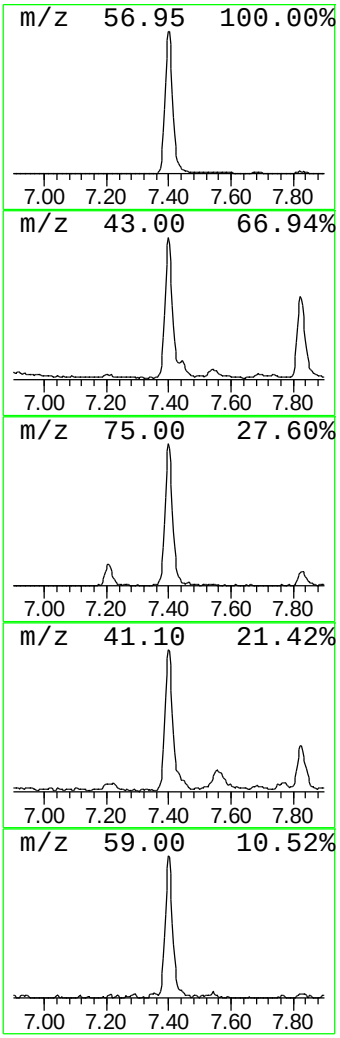
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	18.70 ug/L	484859	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	90
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	74
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42





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ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

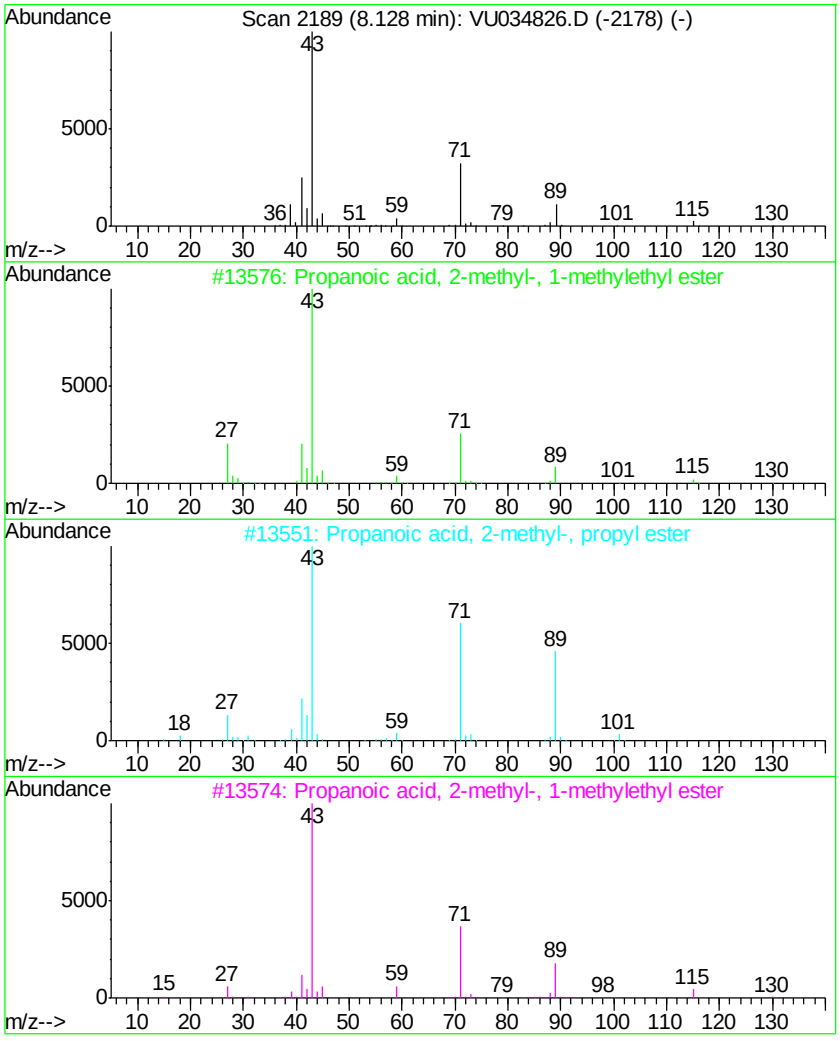
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

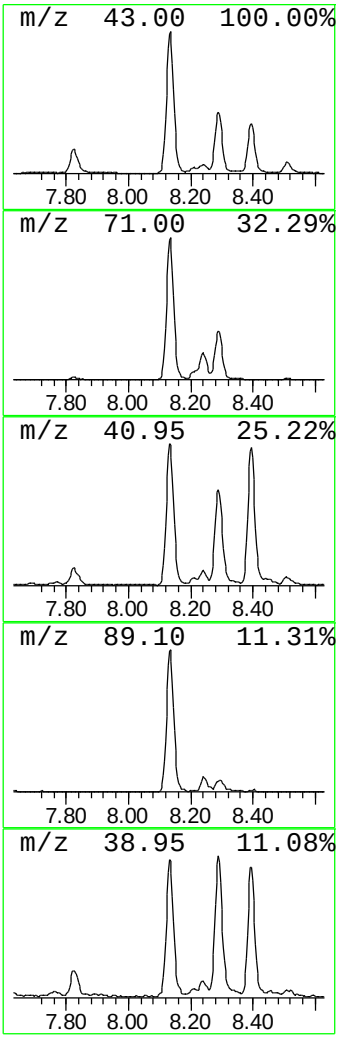
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	26.24 ug/L	785205	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-, propy...	130	C7H14O2	000644-49-5	78
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

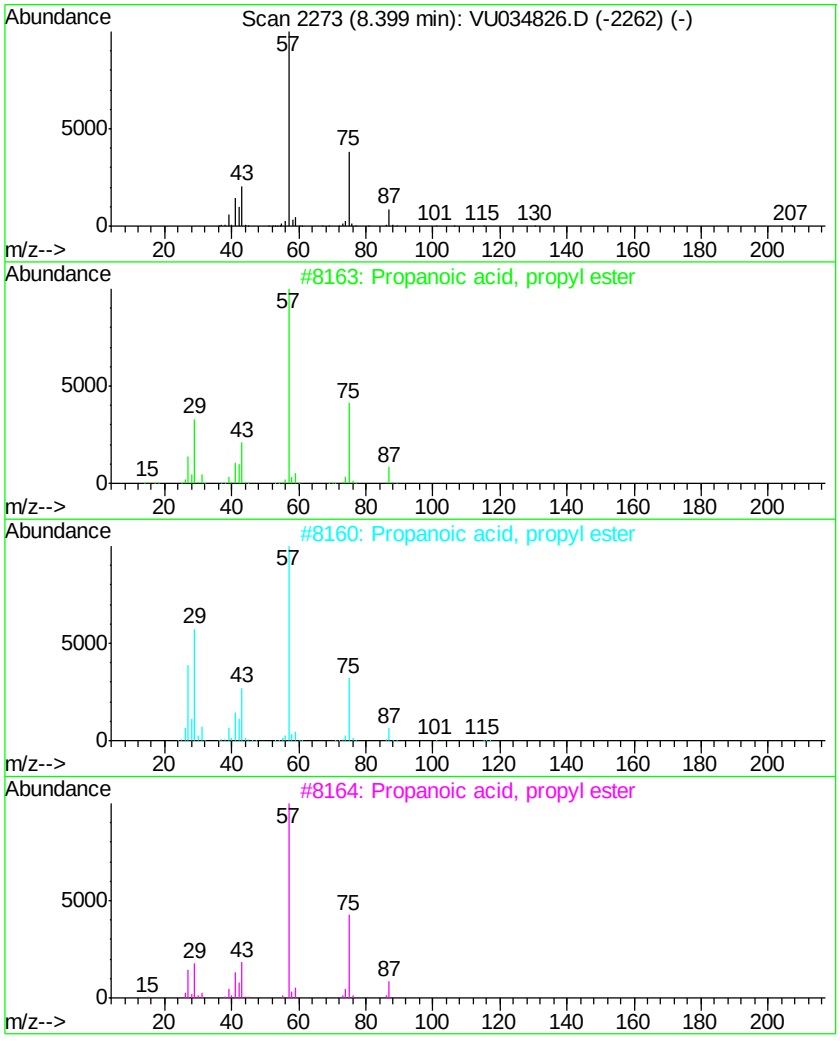
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

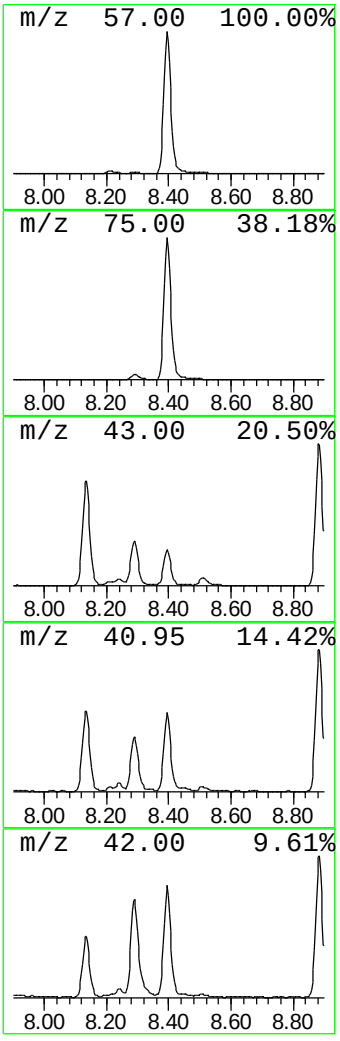
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	39.98 ug/L	1196170	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	83
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	74
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	38





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Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

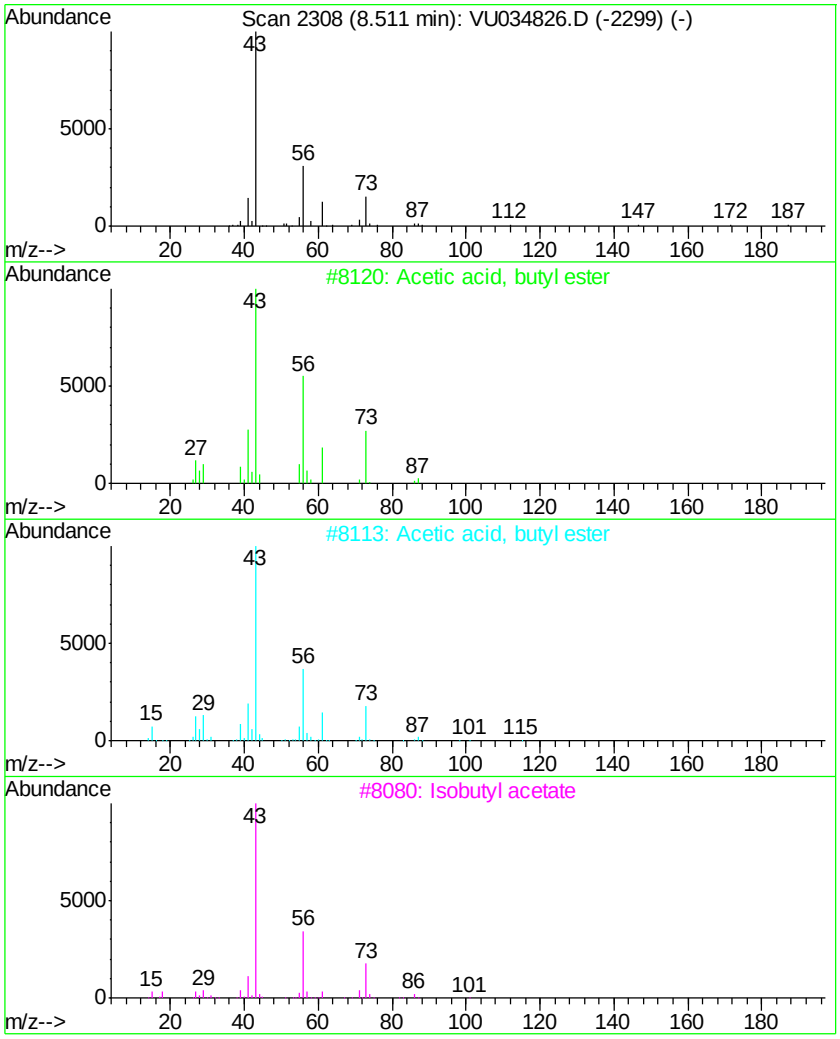
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

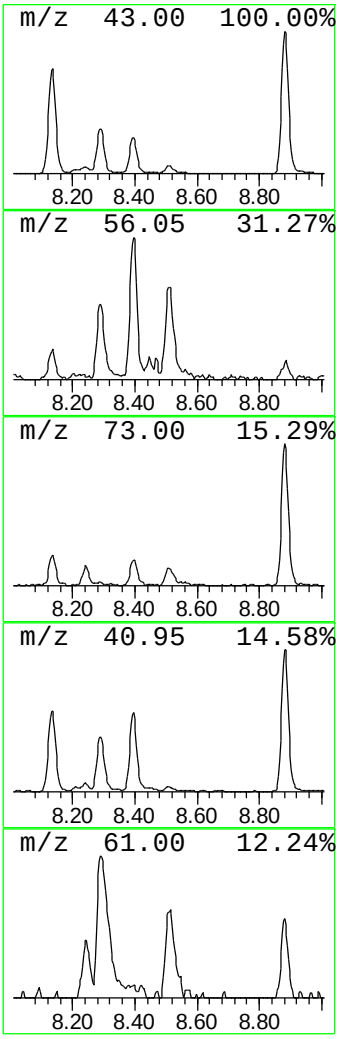
****

Peak Number 8 Acetic acid, butyl ester Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.65 ug/L	79230	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	59
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	56
3	Isobutyl acetate	116	C6H12O2	000110-19-0	45
4	Isobutyl acetate	116	C6H12O2	000110-19-0	39
5	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	36





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

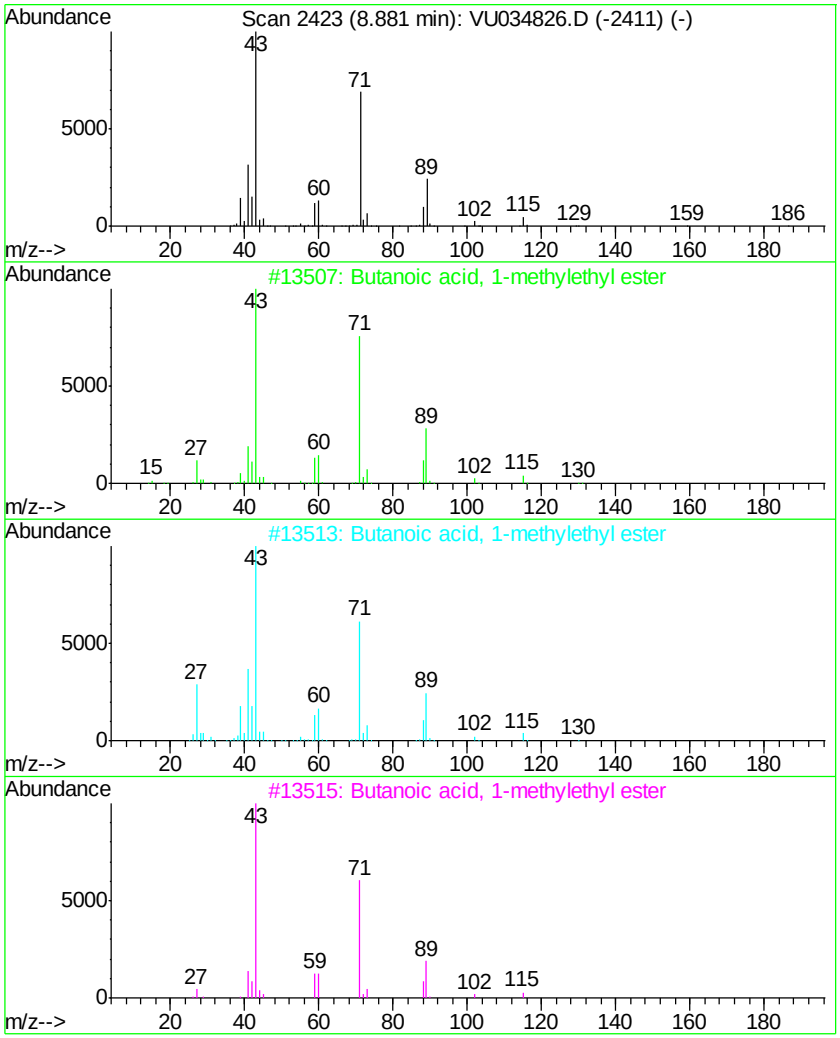
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

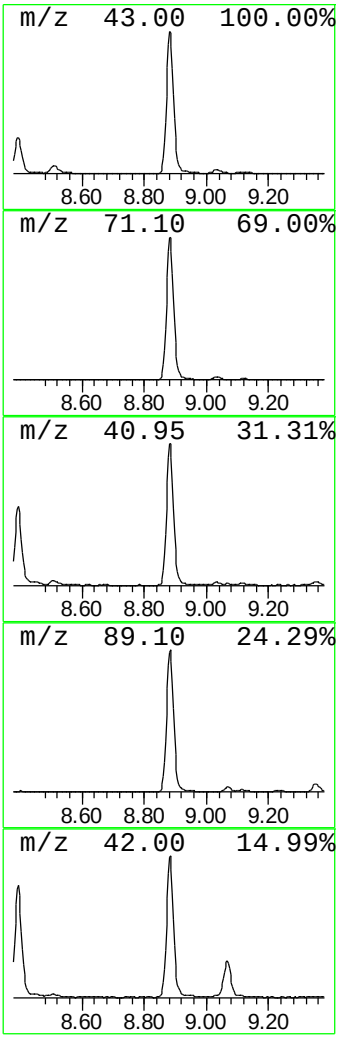
****

Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	51.90 ug/L	1552940	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
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	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

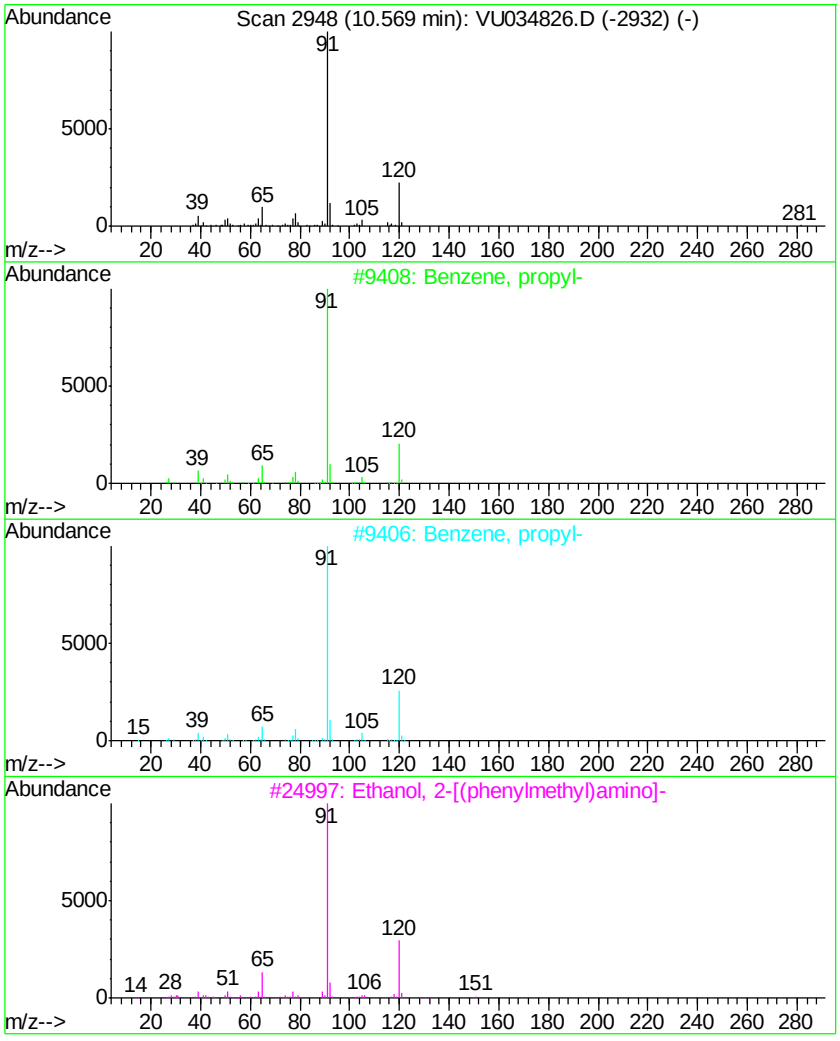
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

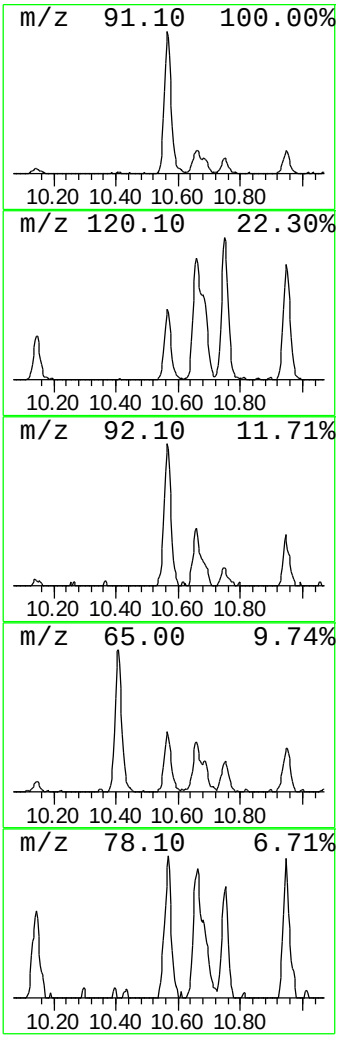
****

Peak Number 10 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.93 ug/L	158031	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	59





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Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

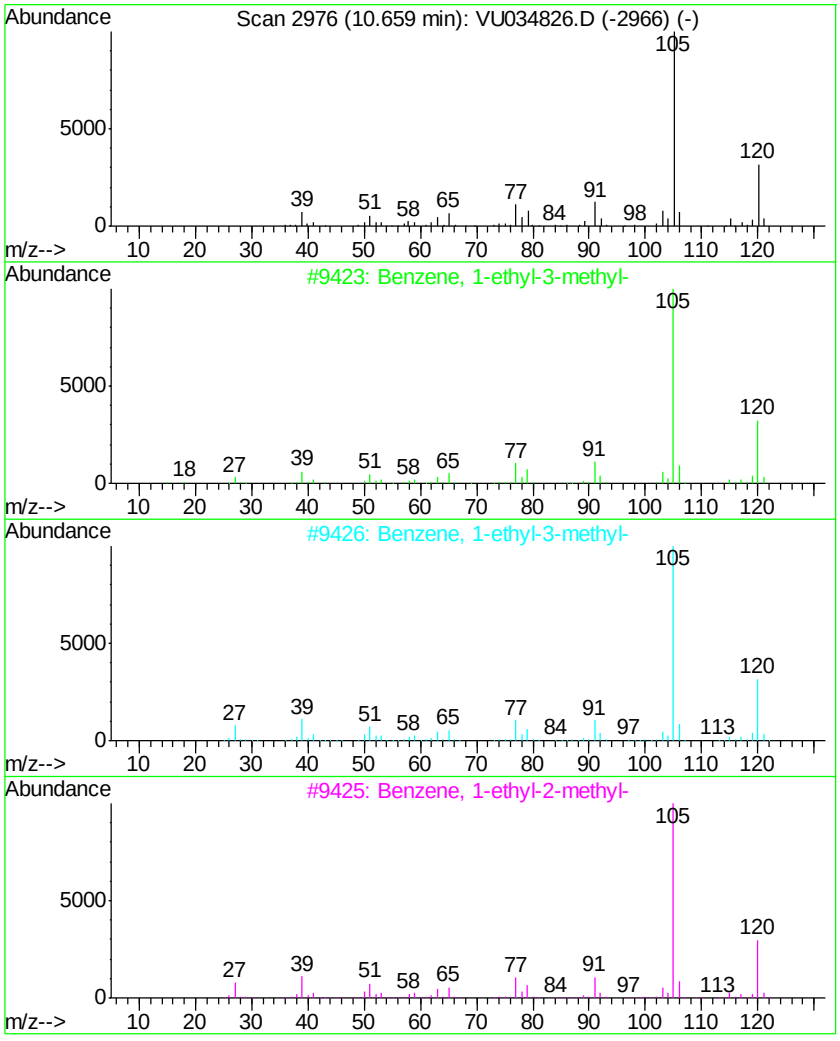
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

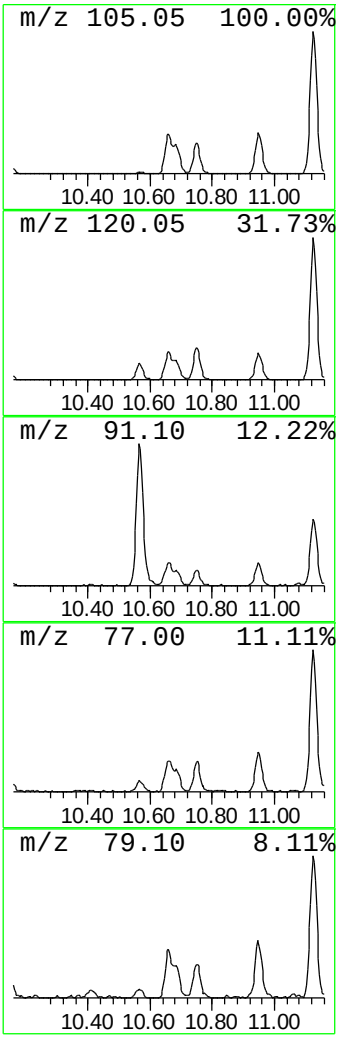
****

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	8.56 ug/L	228094	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

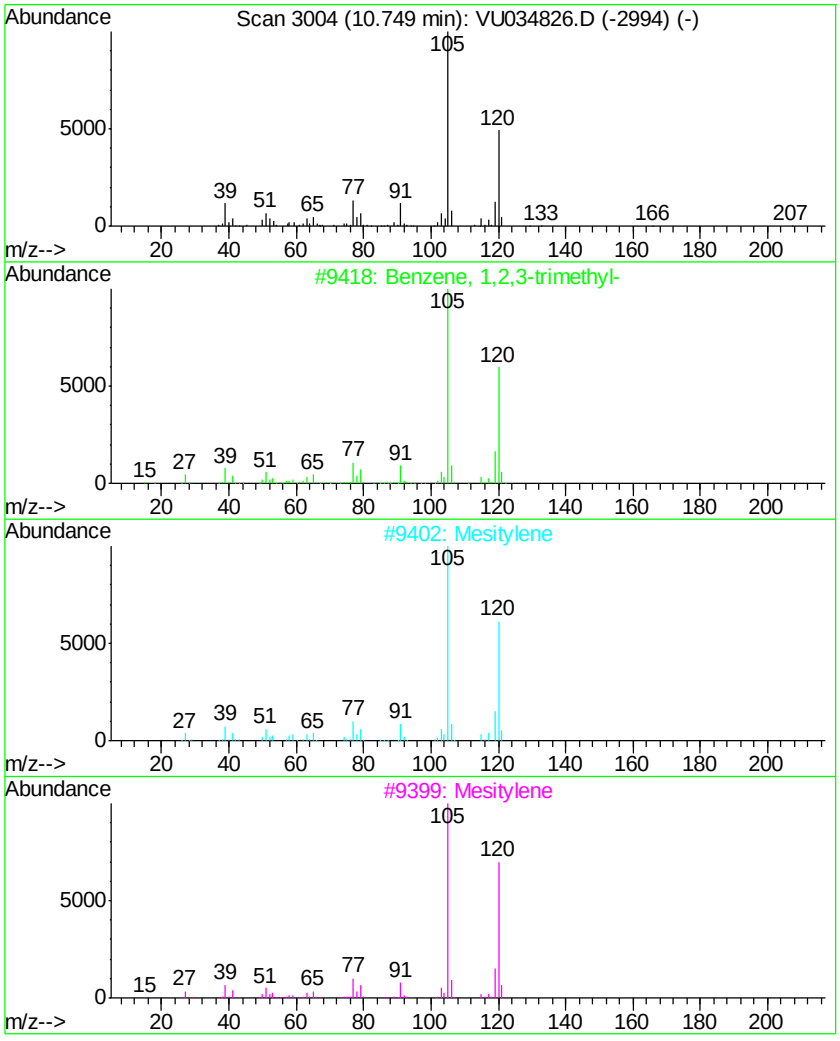
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

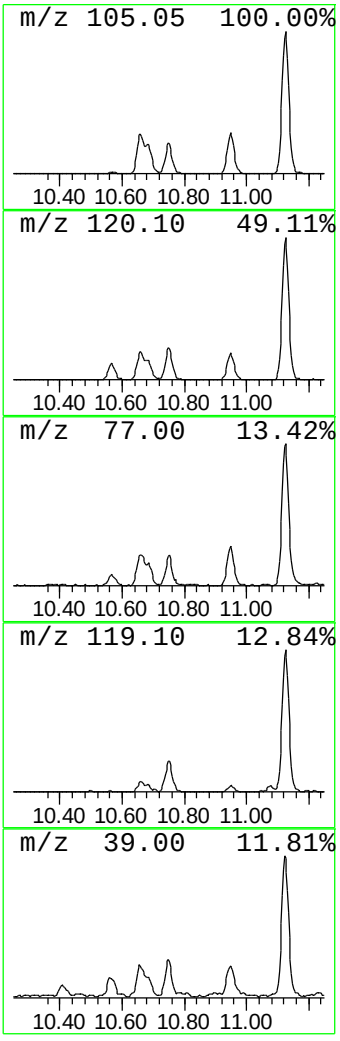
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	6.63 ug/L	176653	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	Mesitylene	120	C9H12	000108-67-8	97
3	Mesitylene	120	C9H12	000108-67-8	97
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





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Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

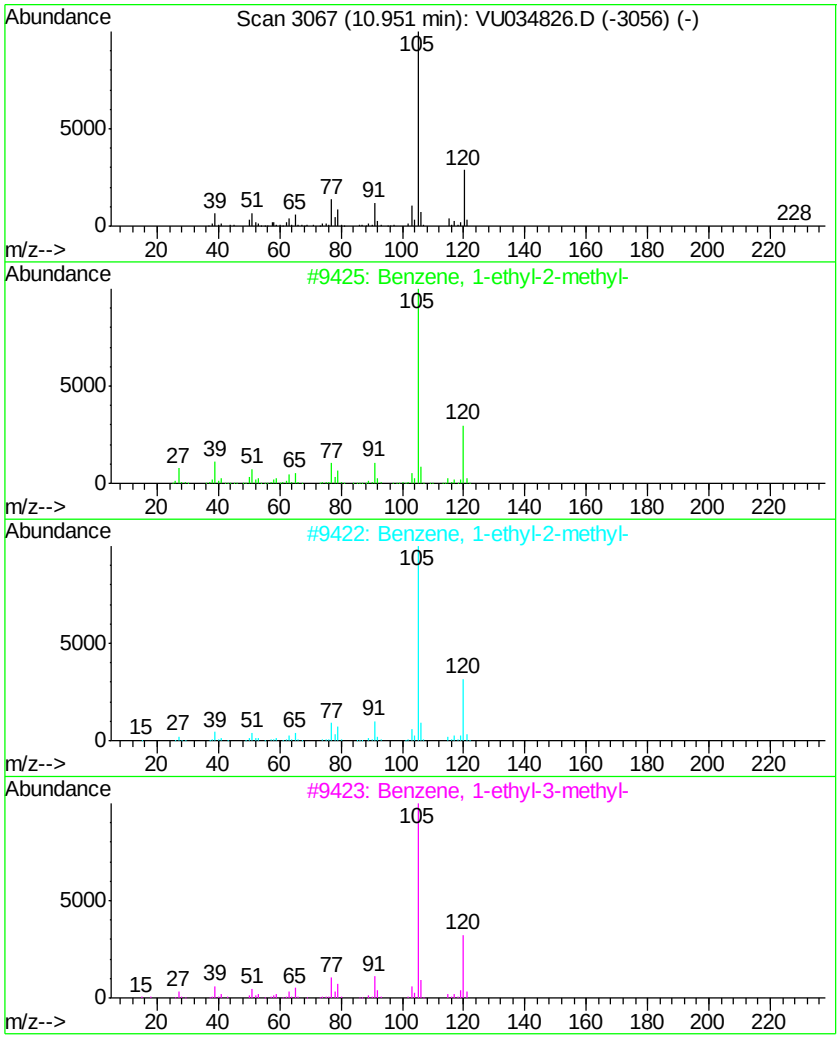
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

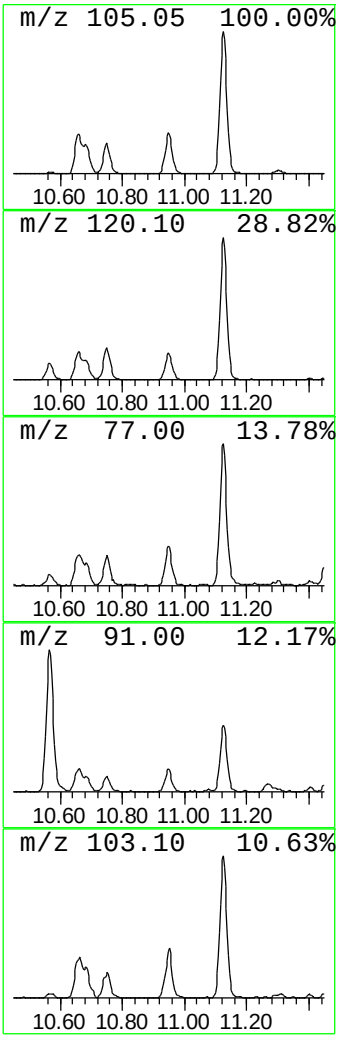
****

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	9.05 ug/L	241228	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	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

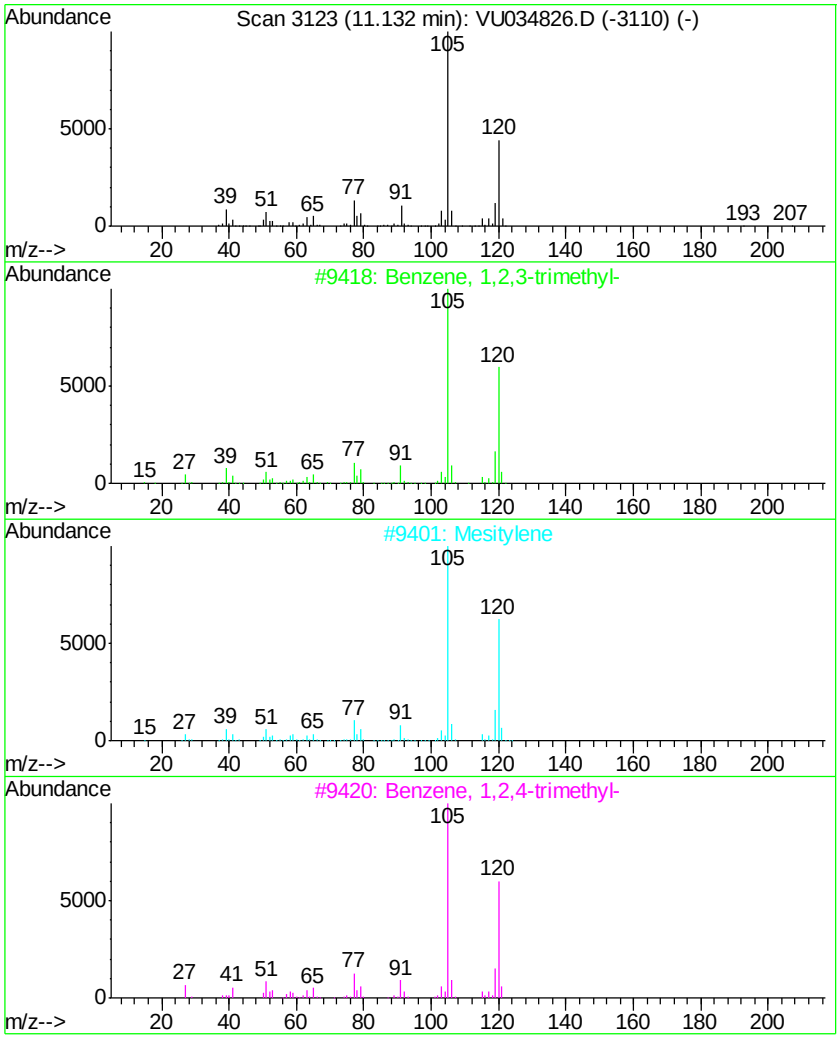
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

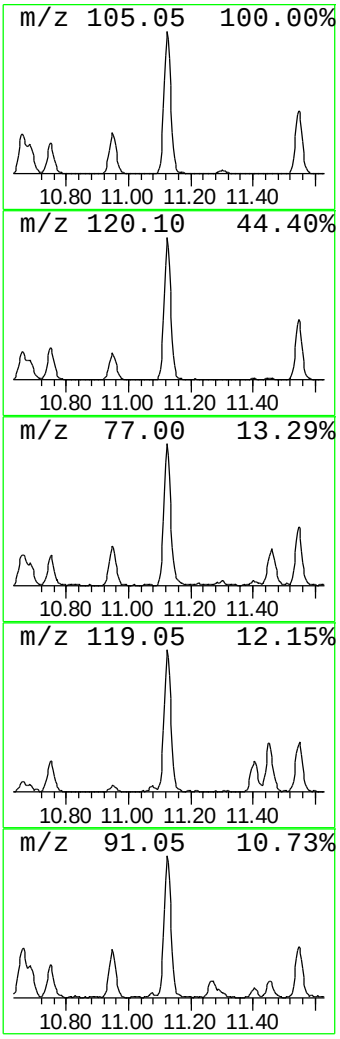
****

Peak Number 14 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	32.70 ug/L	871196	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	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

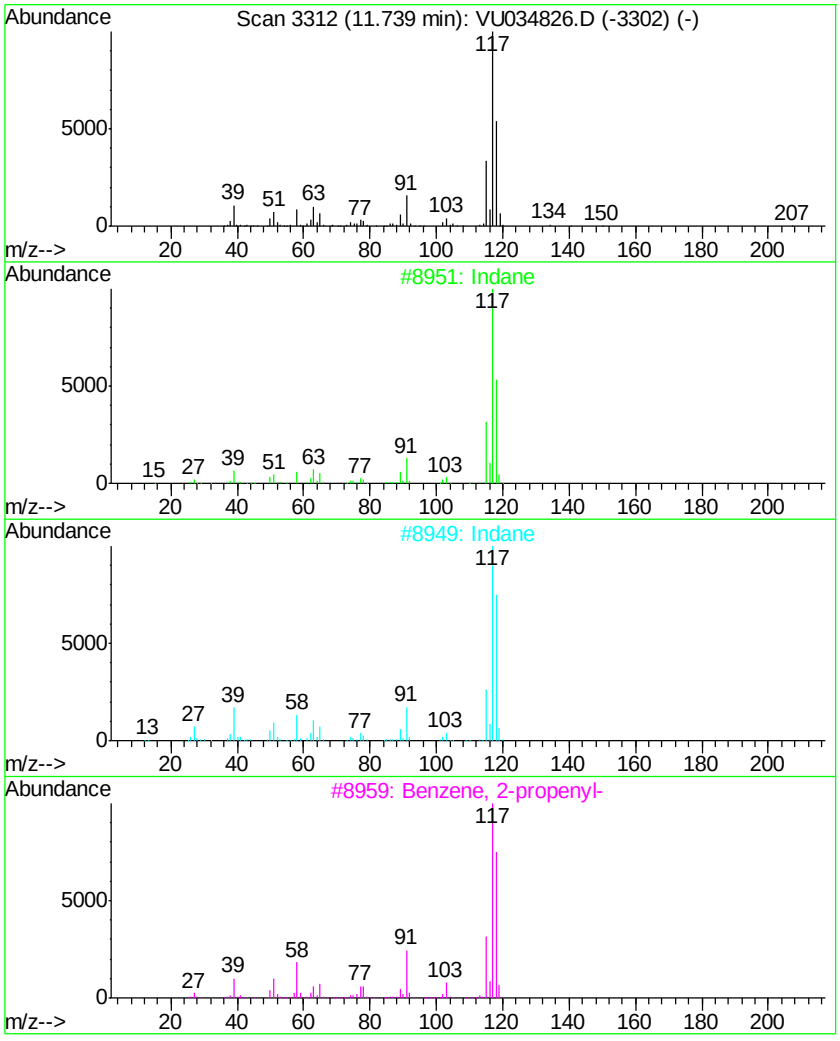
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

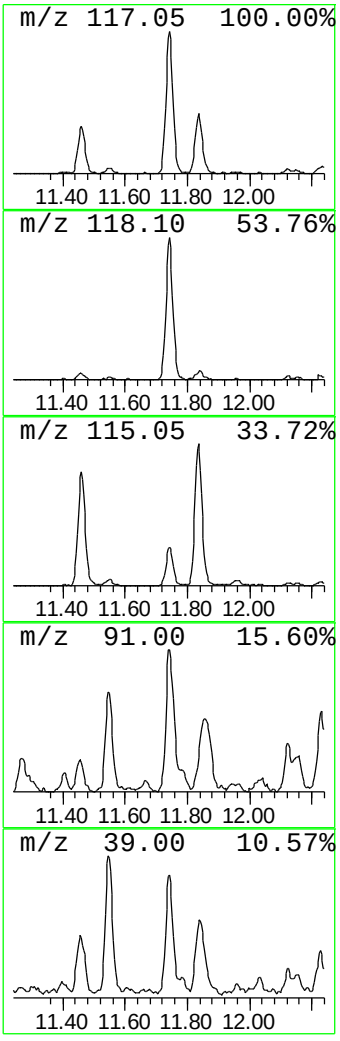
****

Peak Number 16 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	14.89 ug/L	396775	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	92
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

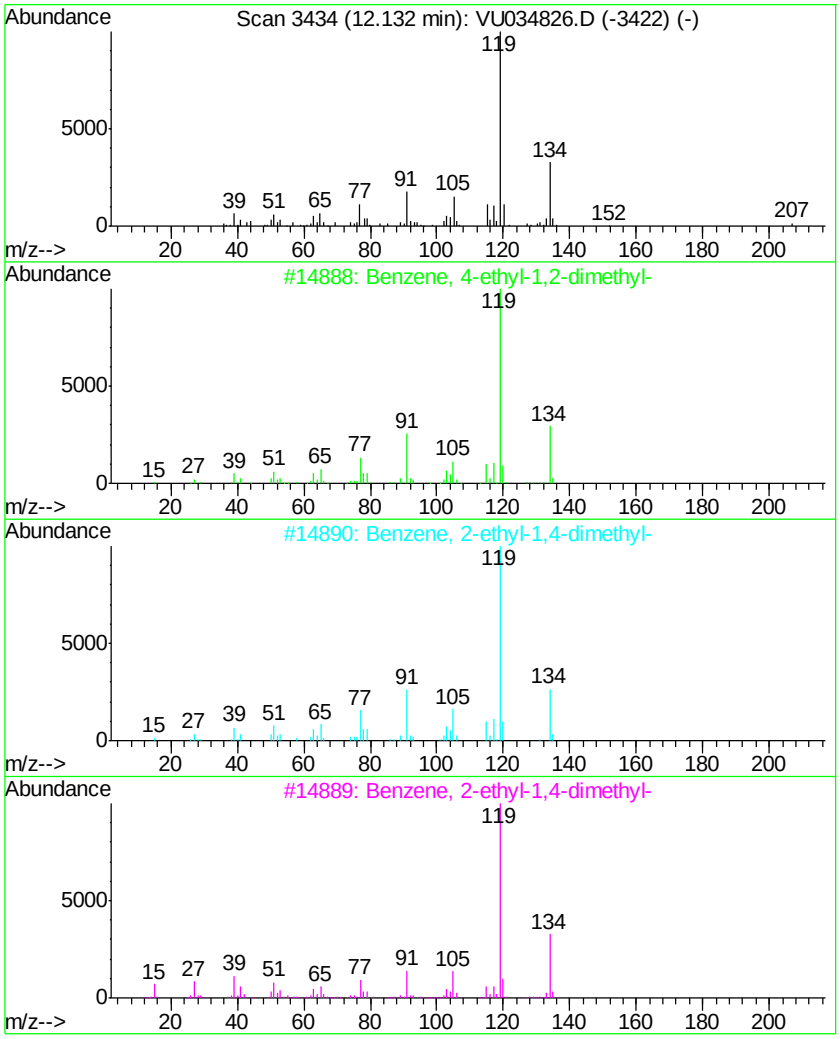
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

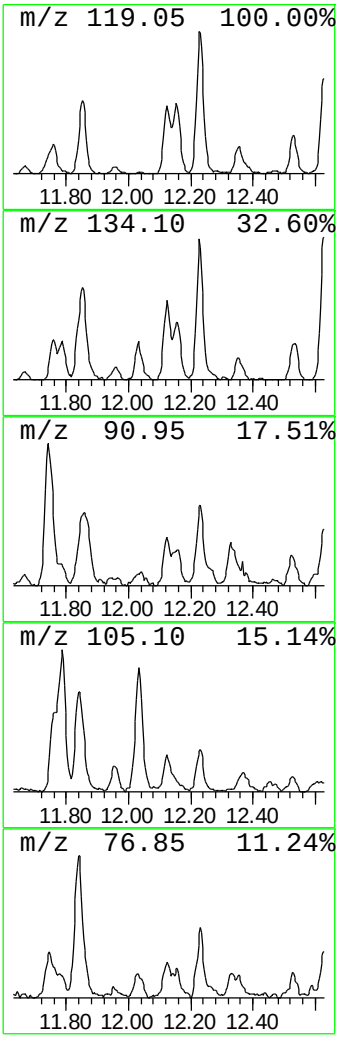
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.55 ug/L	94670	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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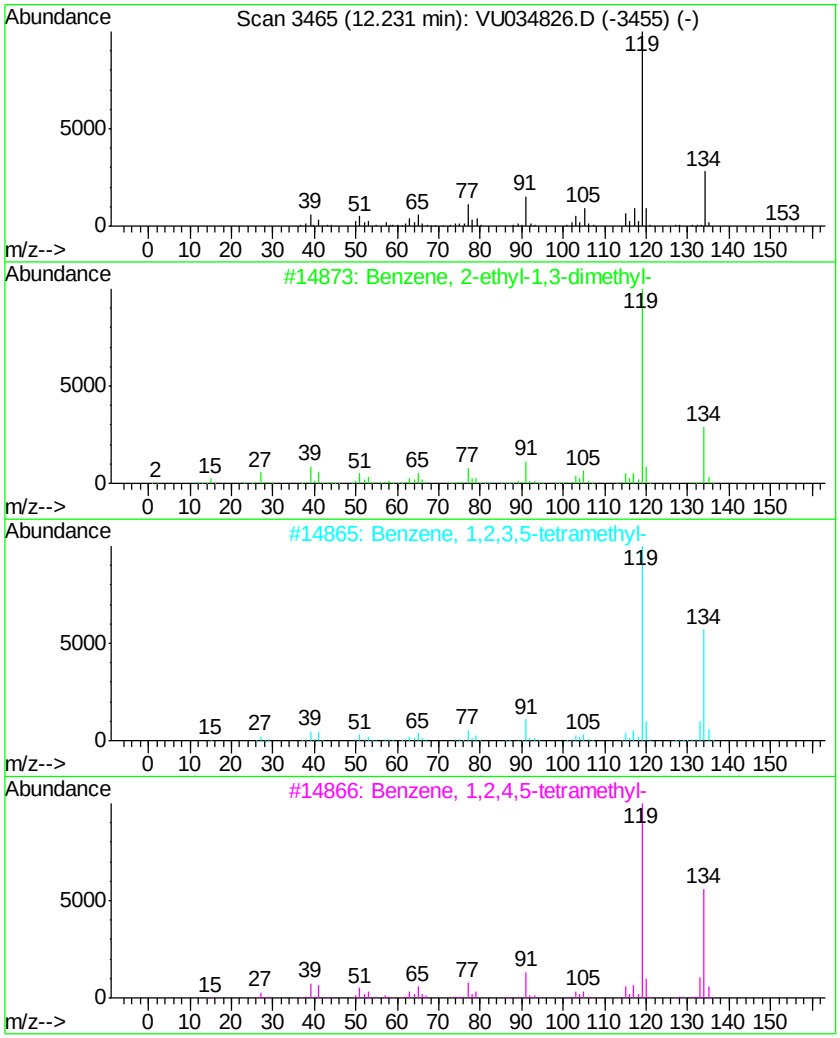
Quant Title : VOC Analysis

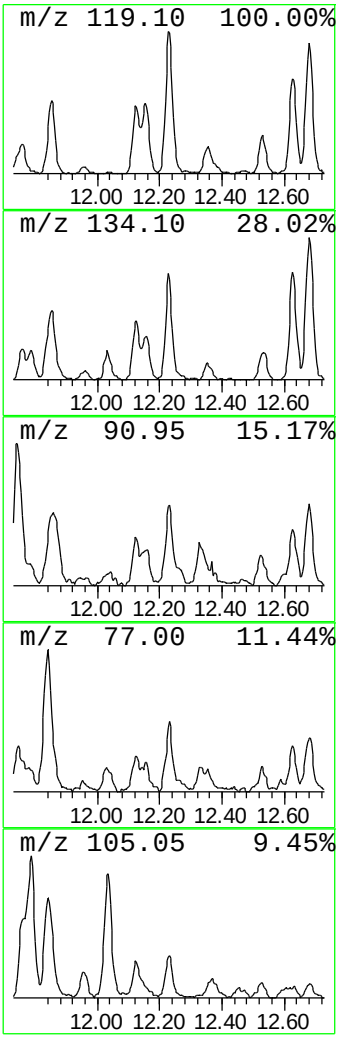
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.89 ug/L	156804	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





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Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

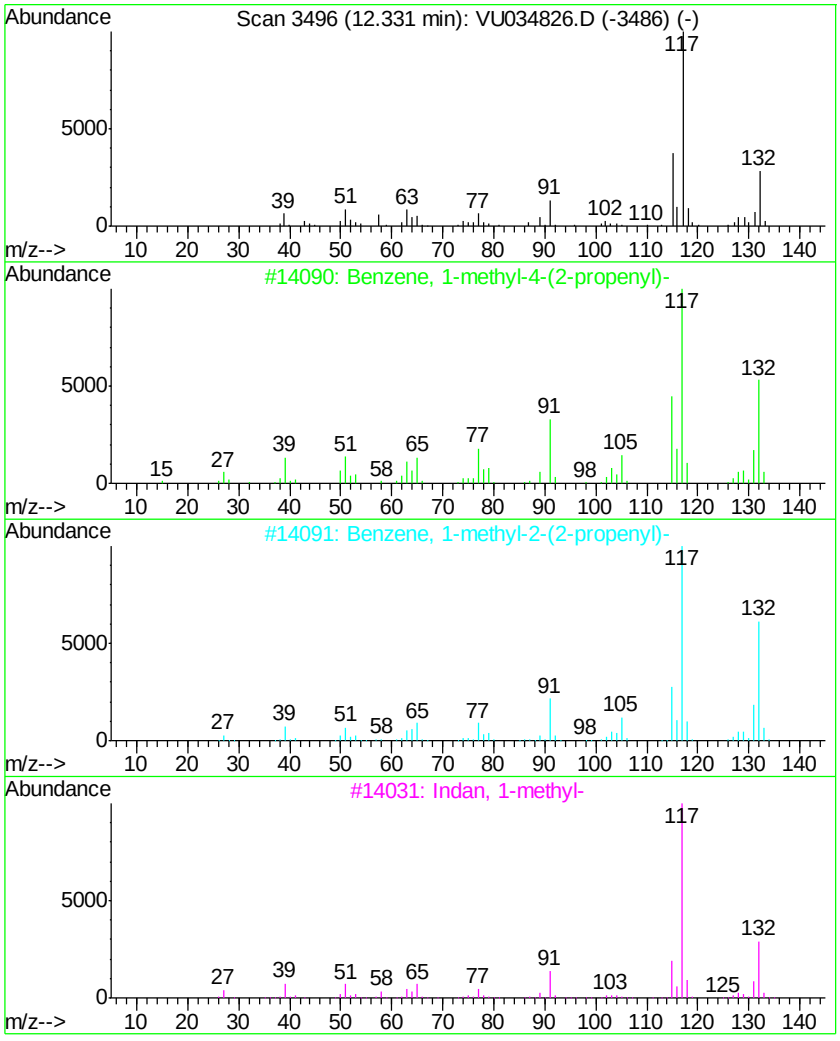
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

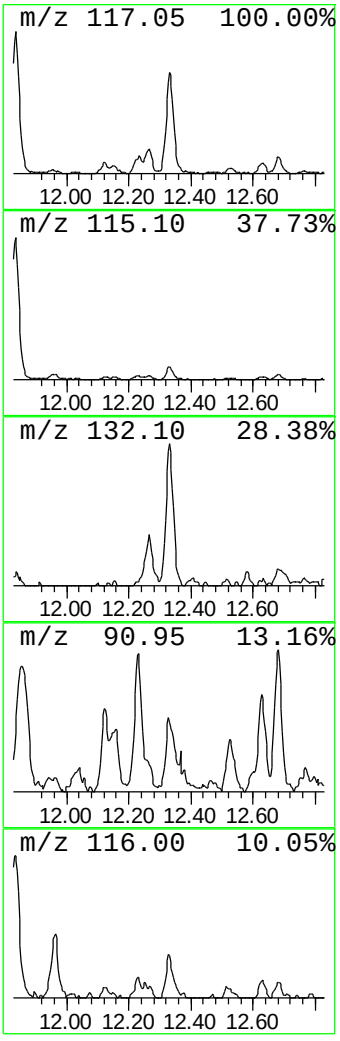
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-methyl-4-(2-prop... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.20 ug/L	138621	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	Indan, 1-methyl-	132	C10H12	000767-58-8	83
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

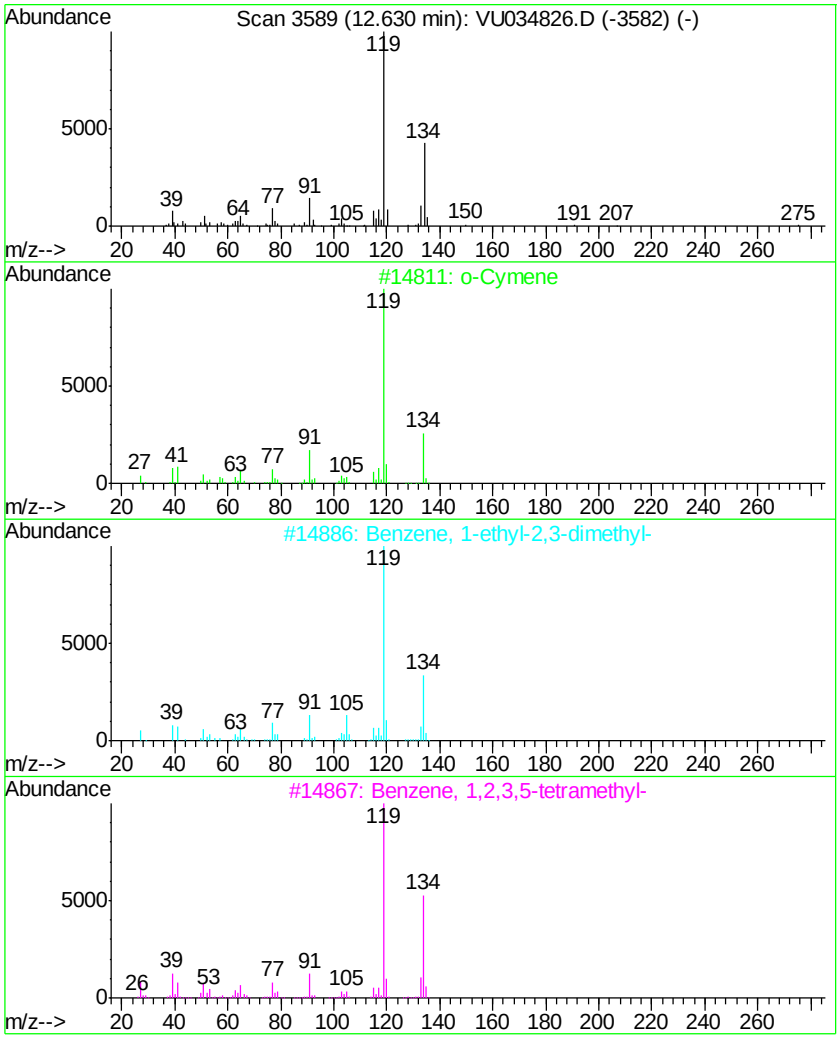
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

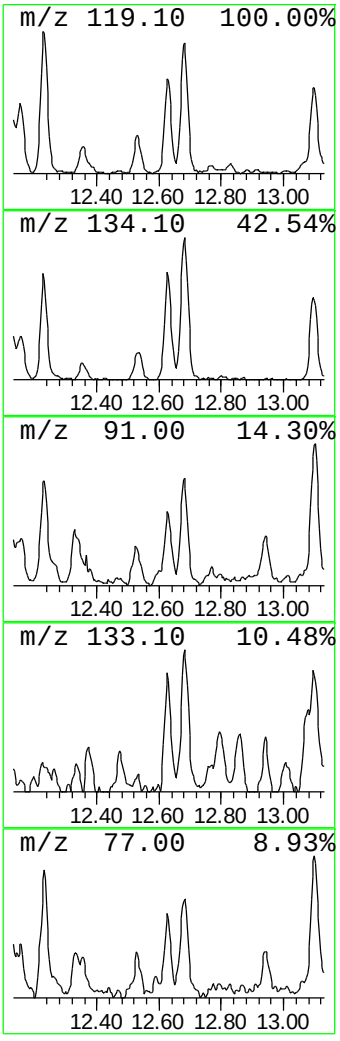
****

Peak Number 20 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.40 ug/L	117135	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

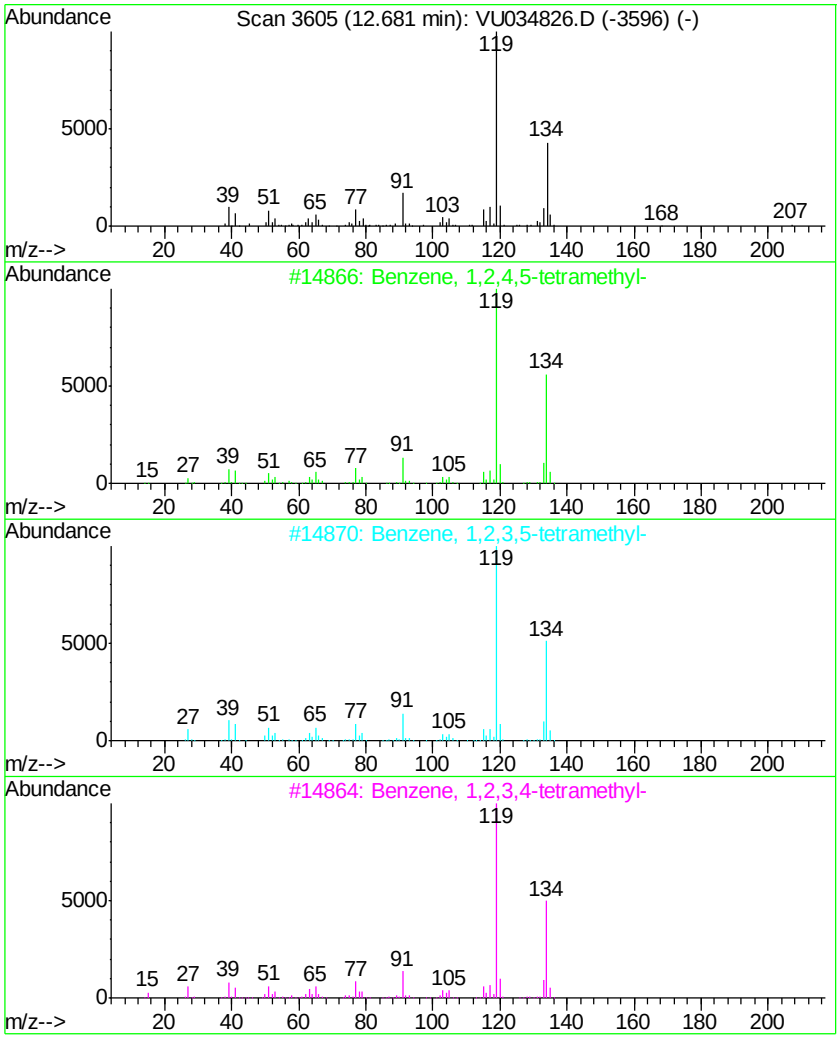
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

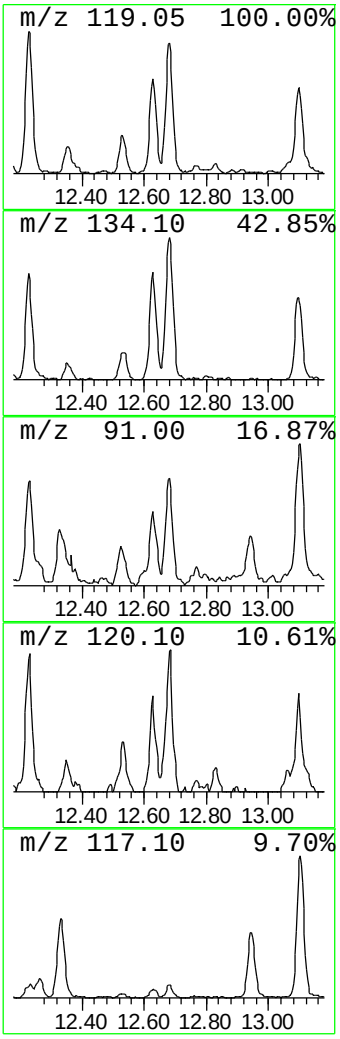
****

Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	6.68 ug/L	178012	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

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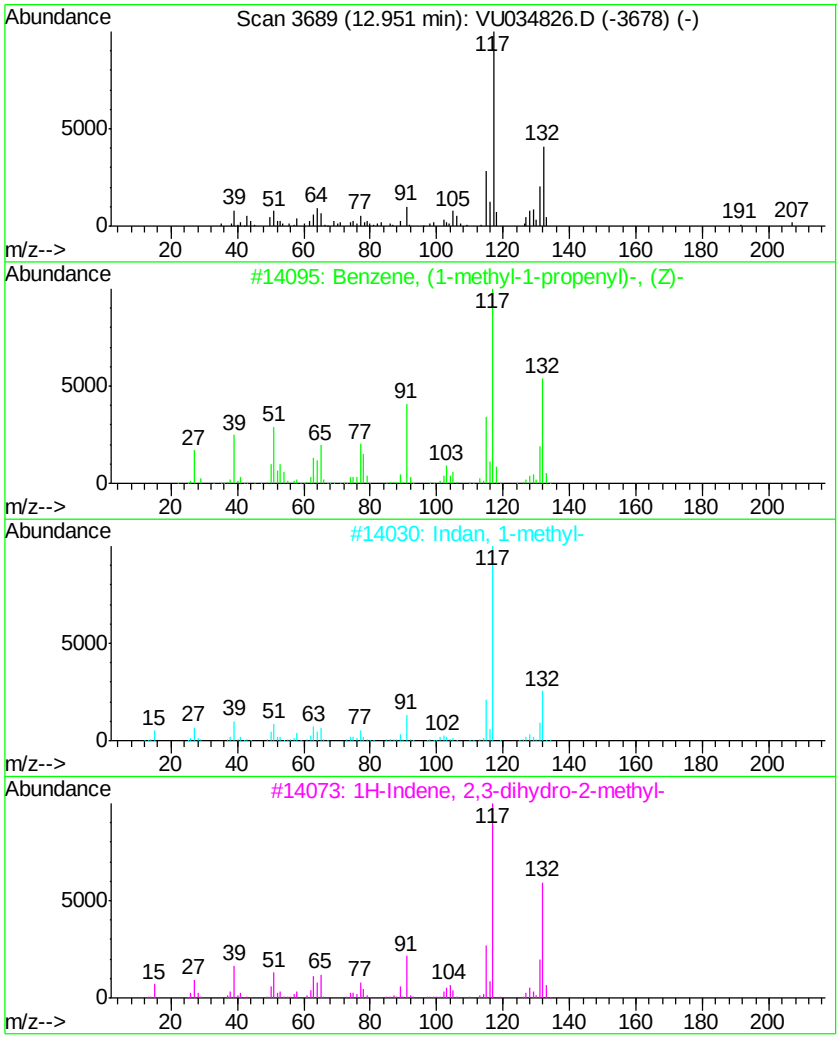
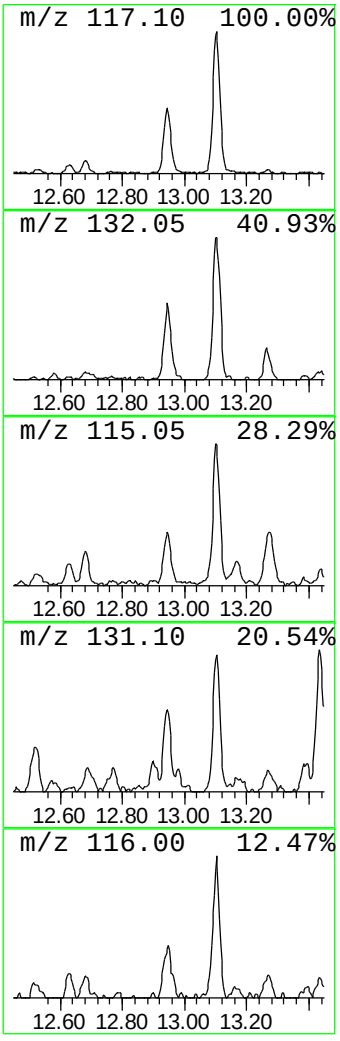
Peak Number 22 Benzene, (1-methyl-1-propen... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	3.69 ug/L	98256	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	86
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

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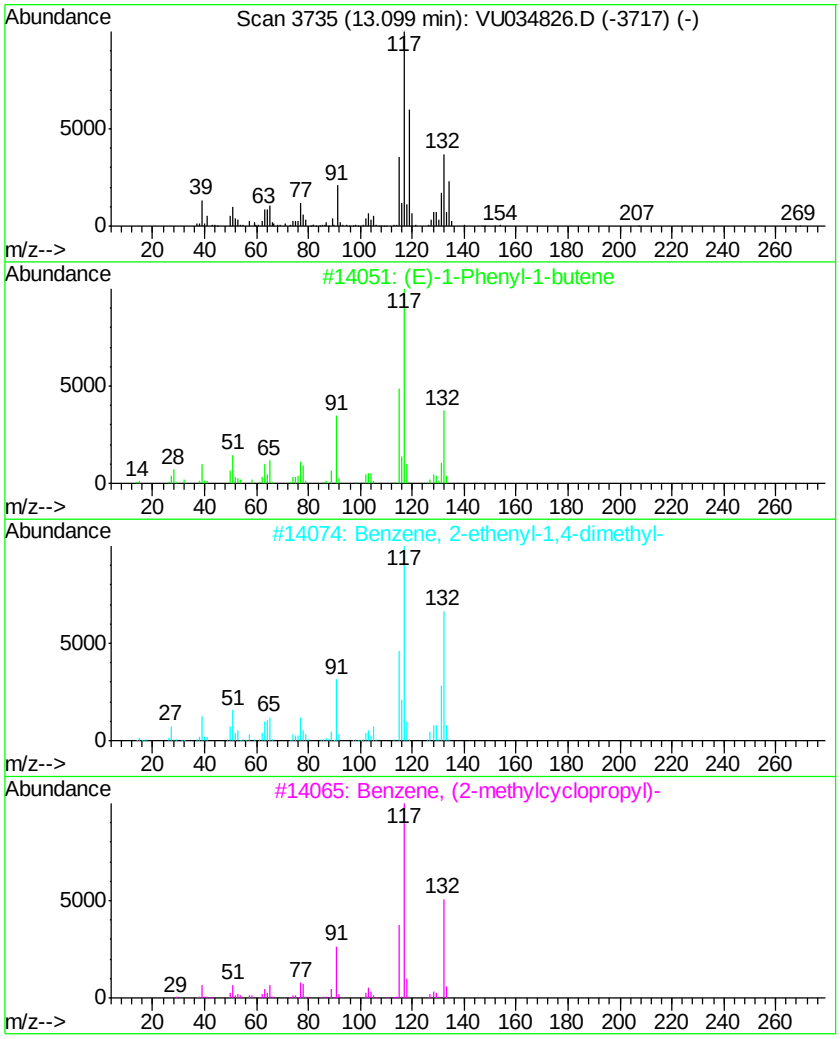
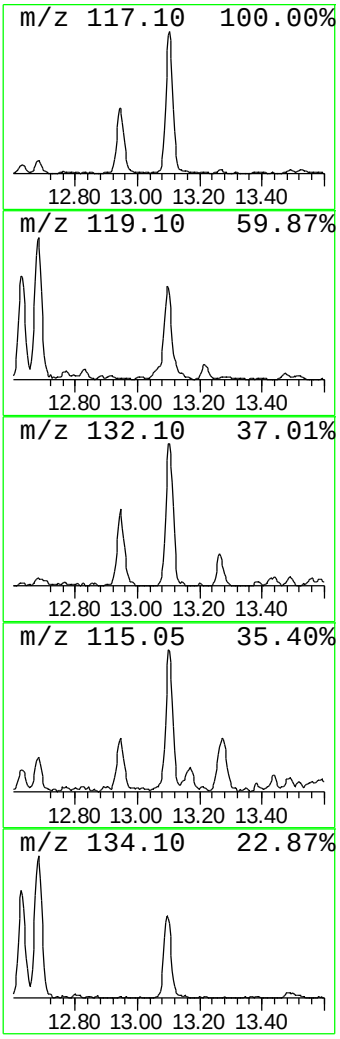
Peak Number 23 (E)-1-Phenyl-1-butene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	12.42 ug/L	330954	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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

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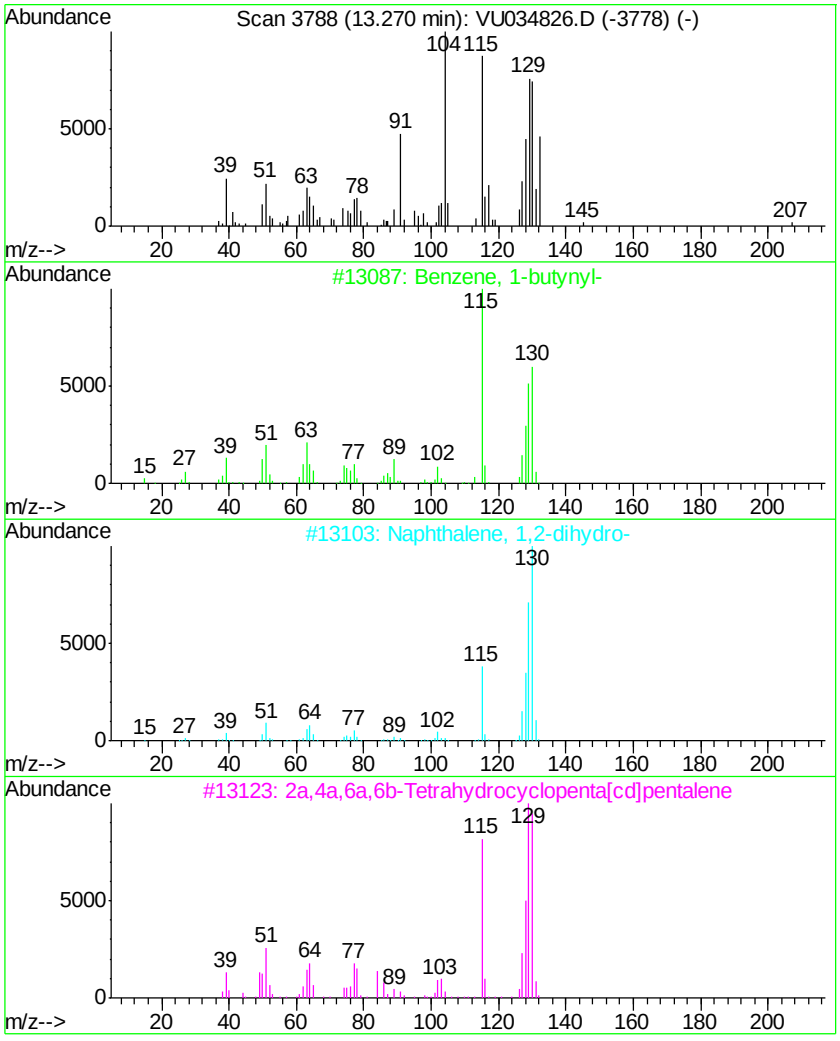
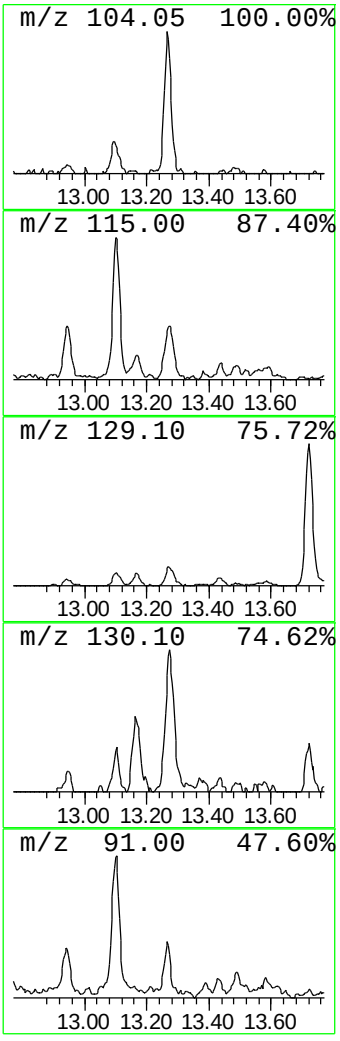
Peak Number 24 Benzene, 1-butynyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.49 ug/L	92870	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	89
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	60
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	55
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	55
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	55





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034826.D
Acq On : 26 Sep 2019 00:39
Operator : JC/SP
Sample : K4983-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ7

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
unknown-01	1.47	2.9	ug/L	76304	1	5.86	1296500	50.0
Isopropyl acetate	5.53	8.7	ug/L	224940	1	5.86	1296500	50.0
n-Propyl acetate	6.68	154.3	ug/L	4002220	1	5.86	1296500	50.0
Propanoic acid, 1...	7.40	18.7	ug/L	484859	1	5.86	1296500	50.0
Propanoic acid, 2...	8.13	26.2	ug/L	785205	2	9.07	1496010	50.0
Propanoic acid, p...	8.40	40.0	ug/L	1196170	2	9.07	1496010	50.0
Acetic acid, buty...	8.51	2.6	ug/L	79230	2	9.07	1496010	50.0
Butanoic acid, 1-...	8.88	51.9	ug/L	1552940	2	9.07	1496010	50.0
Benzene, propyl-	10.57	5.9	ug/L	158031	3	11.46	1332080	50.0
Benzene, 1-ethyl-...	10.66	8.6	ug/L	228094	3	11.46	1332080	50.0
Benzene, 1,2,3-tr...	10.75	6.6	ug/L	176653	3	11.46	1332080	50.0
Benzene, 1-ethyl-...	10.95	9.1	ug/L	241228	3	11.46	1332080	50.0
Benzene, 1,2,4-tr...	11.13	32.7	ug/L	871196	3	11.46	1332080	50.0
Indane	11.74	14.9	ug/L	396775	3	11.46	1332080	50.0
Benzene, 4-ethyl-...	12.13	3.5	ug/L	94670	3	11.46	1332080	50.0
Benzene, 2-ethyl-...	12.23	5.9	ug/L	156804	3	11.46	1332080	50.0
Benzene, 1-methyl...	12.33	5.2	ug/L	138621	3	11.46	1332080	50.0
o-Cymene	12.63	4.4	ug/L	117135	3	11.46	1332080	50.0
Benzene, 1,2,4,5-...	12.68	6.7	ug/L	178012	3	11.46	1332080	50.0
Benzene, (1-methy...	12.95	3.7	ug/L	98256	3	11.46	1332080	50.0
(E)-1-Phenyl-1-bu...	13.10	12.4	ug/L	330954	3	11.46	1332080	50.0
Benzene, 1-butynyl-	13.27	3.5	ug/L	92870	3	11.46	1332080	50.0