LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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	33	rBV3	10917	9364	0.06%	0.021%
2	1.392	87	94	105	rBV	293448	307888	2.02%	0.677%
3	1.466	112	117	126	rBV	35277	37265	0.24%	0.082%
4	1.672	174	181	195	rVB	245517	311796	2.04%	0.686%
5	2.257	354	363	373	rVV	429667	651216	4.27%	1.432%
6	2.309	374	379	392	rVB	47672	70434	0.46%	0.155%
7	2.511	438	442	444	rVB3	1450	1035	0.01%	0.002%
8	2.604	464	471	481	rBV3	5934	12409	0.08%	0.027%
9	2.685	481	496	528	rBV	8510983	15264535	100.00%	33.571%
10	3.251	670	672	677	rBV6	1170	1094	0.01%	0.002%
11	3.547	756	764	783	rVB5	19021	48766	0.32%	0.107%
12	3.659	796	799	802	rVB4	1884	997	0.01%	0.002%
13	3.698	808	811	814	rBV2	1413	1074	0.01%	0.002%
14	3.765	828	832	833	rBV4	1494	878	0.01%	0.002%
15	3.817	844	848	854	rBV4	1111	1206	0.01%	0.003%
16	3.858	858	861	863	rBV3	1338	784	0.01%	0.002%
17	3.878	863	867	871	rVB6	1092	1010	0.01%	0.002%
18	3.955	888	891	894	rVV5	1795	1356	0.01%	0.003%
19	4.058	919	923	926	rBV4	1464	1455	0.01%	0.003%
20	4.151	939	952	981	rBV2	233626	636924	4.17%	1.401%
21	4.354	1013	1015	1018	rVB4	1659	729	0.00%	0.002%
22	4.447	1039	1044	1047	rVV5	1323	1299	0.01%	0.003%
23	4.534	1068	1071	1076	rBV6	1620	1167	0.01%	0.003%
24	4.624	1080	1099	1124	rBV2	337594	809260	5.30%	1.780%
25	4.817	1155	1159	1163	rBV6	1515	1444	0.01%	0.003%
26	4.897	1182	1184	1186	rVB3	2075	970	0.01%	0.002%
27	4.910	1186	1188	1192	rBV4	1203	797	0.01%	0.002%
28	4.965	1197	1205	1208	rBV8	4264	5502	0.04%	0.012%
29	5.116	1247	1252	1256	rBV7	1588	1506	0.01%	0.003%
30	5.231	1285	1288	1290	rBV4	1435	832	0.01%	0.002%
31	5.315	1290	1314	1344	rBV2	723081	2159437	14.15%	4.749%
32	5.527	1370	1380	1406	rVB	108879	233343	1.53%	0.513%
33	5.746	1445	1448	1450	rBV3	1287	786	0.01%	0.002%
34	5.865	1462	1485	1501	rBV	583905	1371990	8.99%	3.017%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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	6.309	1610	1623	1641	rBV	497331	985001	6.45%	2.166%
36	6.514	1681	1687	1691	rBV7	8504	11716	0.08%	0.026%
37	6.559	1695	1701	1704	rBV2	17175	21715	0.14%	0.048%
38	6.681	1727	1739	1774	rBV	2476108	4464125	29.25%	9.818%
39	7.206	1889	1902	1924	rBV	278636	507026	3.32%	1.115%
40	7.399	1951	1962	1989	rBV	283502	501999	3.29%	1.104%
41	7.543	1994	2007	2022	rBV	993475	1779402	11.66%	3.913%
42	7.755	2069	2073	2084	rVB10	5856	9242	0.06%	0.020%
43	7.826	2084	2095	2121	rBV2	273447	506292	3.32%	1.113%
44	8.064	2166	2169	2170	rBV2	1381	746	0.00%	0.002%
45	8.135	2178	2191	2207	rBV	526908	866579	5.68%	1.906%
46	8.215	2208	2216	2218	rBV3	25715	35345	0.23%	0.078%
47	8.289	2230	2239	2261	rVV	940270	1586356	10.39%	3.489%
48	8.395	2262	2272	2299	rVV	884395	1430481	9.37%	3.146%
49	8.508	2300	2307	2321	rVB2	43850	75387	0.49%	0.166%
50	8.884	2411	2424	2450	rBV	1096959	1742481	11.42%	3.832%
51	9.067	2462	2481	2506	rBV	810852	1439956	9.43%	3.167%
52	9.231	2522	2532	2546	rVB2	24843	42768	0.28%	0.094%
53	9.350	2559	2569	2585	rVB	244289	409268	2.68%	0.900%
54	9.585	2634	2642	2653	rVV2	27162	44294	0.29%	0.097%
55	9.752	2682	2694	2711	rBV3	253373	484958	3.18%	1.067%
56	9.913	2738	2744	2748	rBV6	5728	7859	0.05%	0.017%
57	10.144	2804	2816	2826	rBV	32638	55229	0.36%	0.121%
58	10.408	2886	2898	2917	rBV	689495	1116510	7.31%	2.456%
59	10.569	2937	2948	2962	rVB2	28413	50713	0.33%	0.112%
60	10.659	2966	2976	2994	rBV	91300	207428	1.36%	0.456%
61	10.749	2996	3004	3016	rVB	62746	94918	0.62%	0.209%
62	10.852	3034	3036	3039	rVB3	1380	717	0.00%	0.002%
63	10.897	3041	3050	3056	rBV10	3707	6537	0.04%	0.014%
64	10.948	3056	3066	3079	rVV2	73280	123350	0.81%	0.271%
65	11.125	3111	3121	3140	rVB	243087	374131	2.45%	0.823%
66	11.267	3157	3165	3169	rBV7	3917	6471	0.04%	0.014%
67	11.295	3170	3174	3187	rVB5	8406	14896	0.10%	0.033%
68	11.360	3191	3194	3195	rBV2	2725	1352	0.01%	0.003%
69	11.405	3203	3208	3213	rVB6	8636	9530	0.06%	0.021%
70	11.459	3214	3225	3243	rVV	782164	1278774	8.38%	2.812%
71	11.546	3244	3252	3265	rVB	119455	185175	1.21%	0.407%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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	11.742	3304	3313	3324	rBV	103035	174213	1.14%	0.383%
73	11.836	3331	3342	3368	rVB	954391	1655222	10.84%	3.640%
74	11.958	3376	3380	3387	rVB8	10039	13111	0.09%	0.029%
75	12.032	3396	3403	3413	rVB2	13249	21185	0.14%	0.047%
76	12.125	3424	3432	3436	rBV2	27090	38077	0.25%	0.084%
77	12.228	3456	3464	3472	rBV	50237	81490	0.53%	0.179%
78	12.331	3487	3496	3516	rVB2	37982	86591	0.57%	0.190%
79	12.405	3516	3519	3529	rVB2	3751	5063	0.03%	0.011%
80	12.443	3529	3531	3533	rBV3	1637	1061	0.01%	0.002%
81	12.530	3548	3558	3566	rBV4	15610	28237	0.18%	0.062%
82	12.588	3573	3576	3578	rBV3	3607	2582	0.02%	0.006%
83	12.630	3582	3589	3597	rVV	44246	66169	0.43%	0.146%
84	12.681	3597	3605	3622	rVB2	60385	97684	0.64%	0.215%
85	12.765	3627	3631	3638	rBV7	5672	7375	0.05%	0.016%
86	12.945	3680	3687	3697	rVB2	31655	50530	0.33%	0.111%
87	13.102	3726	3736	3749	rVB3	99771	166699	1.09%	0.367%
88	13.218	3769	3772	3775	rBV4	4707	4011	0.03%	0.009%
89	13.270	3781	3788	3798	rVB5	19480	32248	0.21%	0.071%
90	13.363	3815	3817	3818	rBV2	2815	1264	0.01%	0.003%
91	13.437	3833	3840	3849	rBV4	9319	14098	0.09%	0.031%
92	13.488	3850	3856	3870	rVV10	15361	29992	0.20%	0.066%
93	13.723	3919	3929	3954	rBV2	105332	222373	1.46%	0.489%
94	13.990	4009	4012	4024	rVB10	8658	13446	0.09%	0.030%
95	14.324	4109	4116	4128	rVB10	11721	23914	0.16%	0.053%
96	14.411	4140	4143	4146	rBV5	2108	1343	0.01%	0.003%
97	14.517	4171	4176	4189	rVB7	9728	18263	0.12%	0.040%
98	14.623	4203	4209	4214	rBV8	5813	7655	0.05%	0.017%
99	14.861	4275	4283	4292	rBV2	34777	61017	0.40%	0.134%
100	15.044	4330	4340	4353	rBV2	63067	115237	0.75%	0.253%

Sum of corrected areas: 45469425

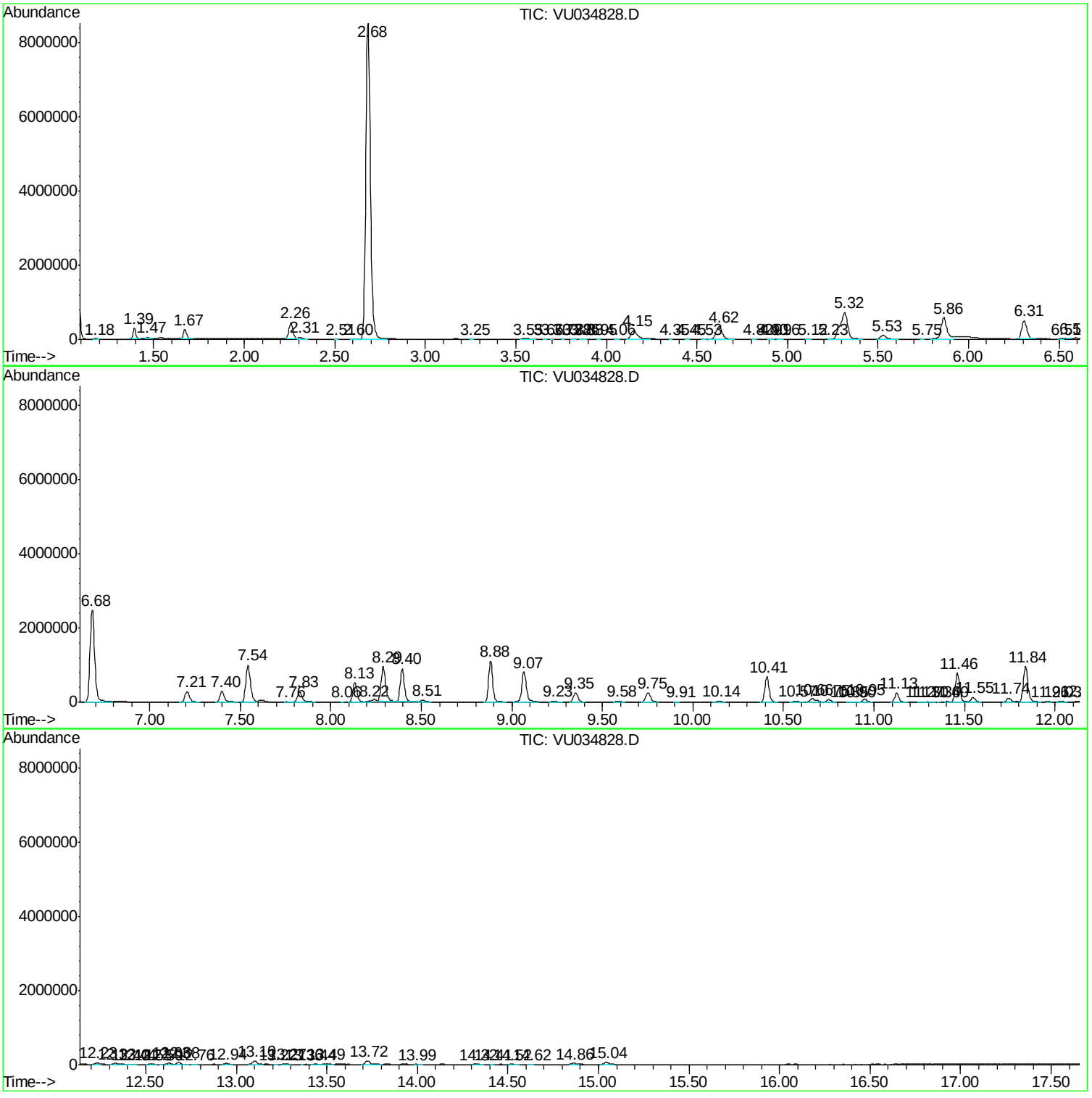
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VLEB02

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\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

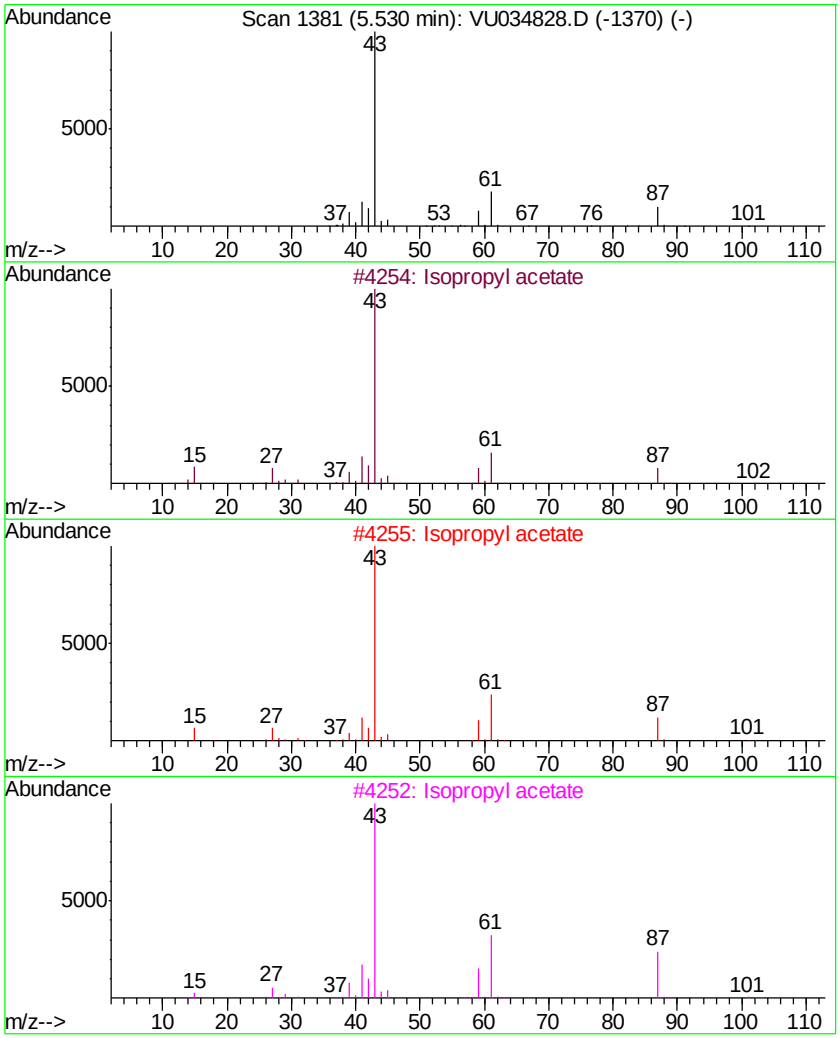
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

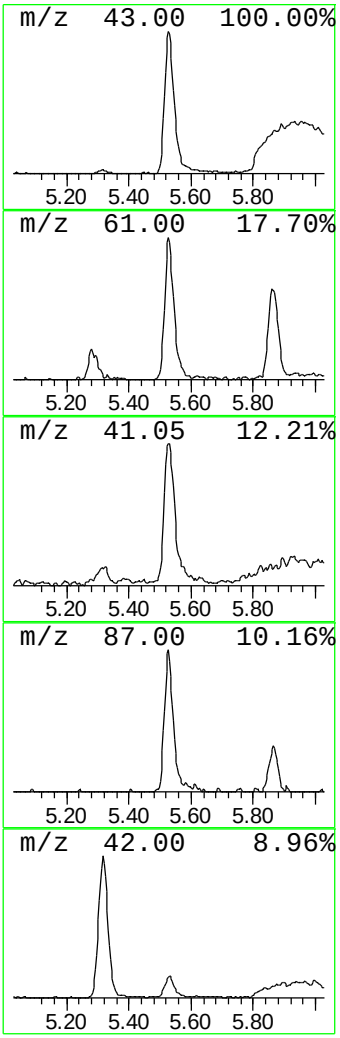
****

Peak Number 1 Isopropyl acetate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.50 ug/L	233343	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	83
3	Isopropyl acetate	102	C5H10O2	000108-21-4	78
4	2-Pentanol, acetate	130	C7H14O2	000626-38-0	33
5	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

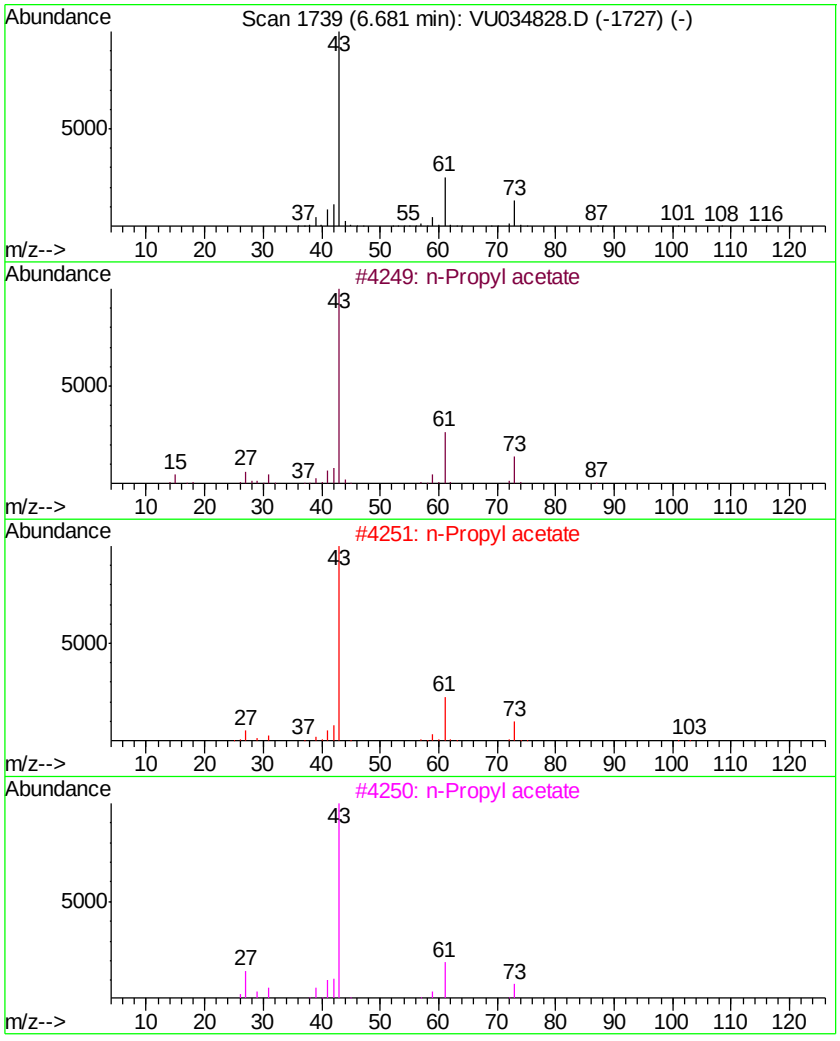
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

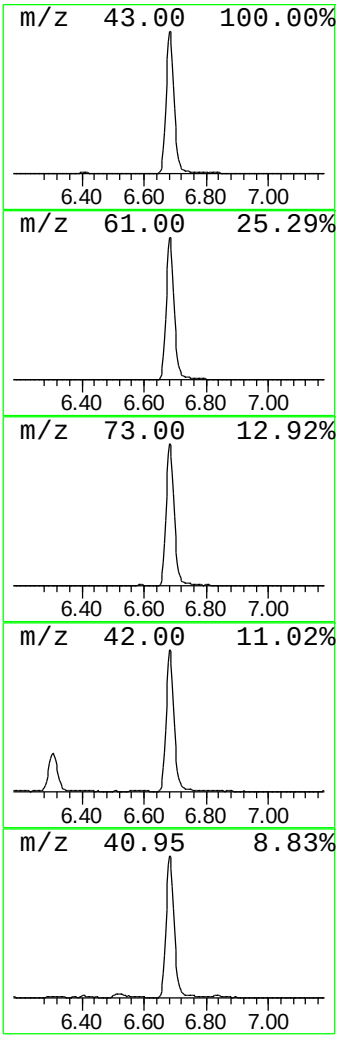
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	162.69 ug/L	4464130	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	1-Butanamine	73	C4H11N	000109-73-9	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

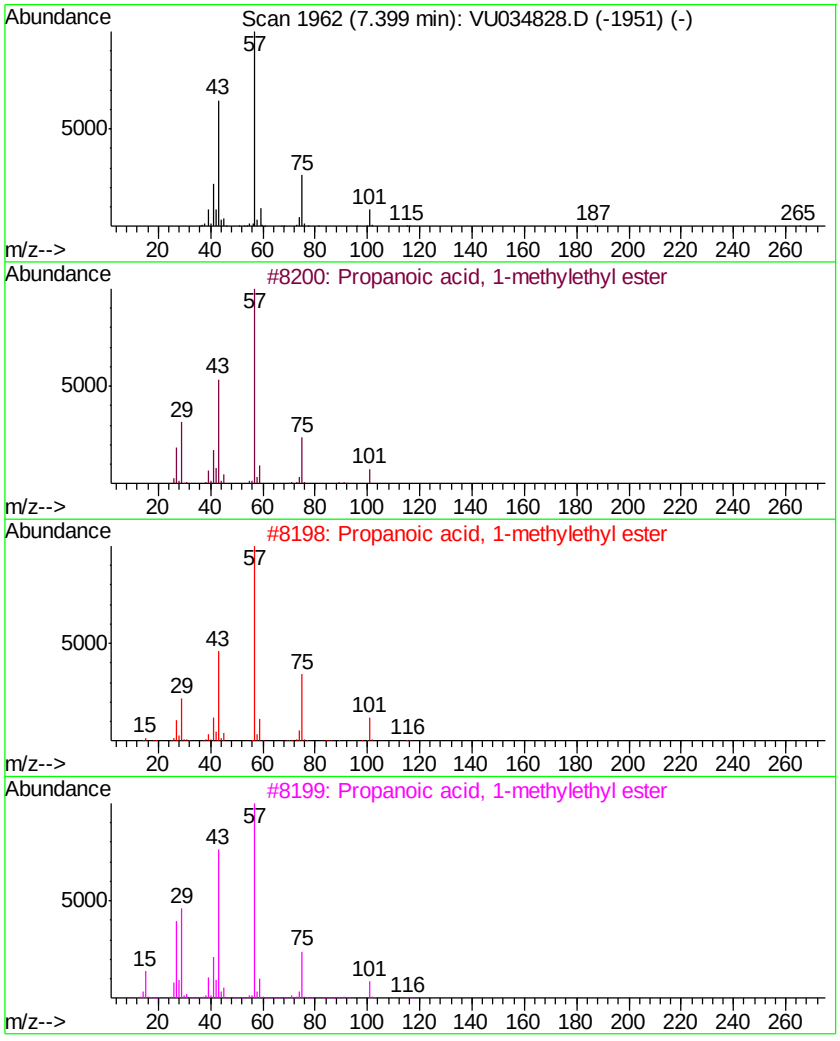
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

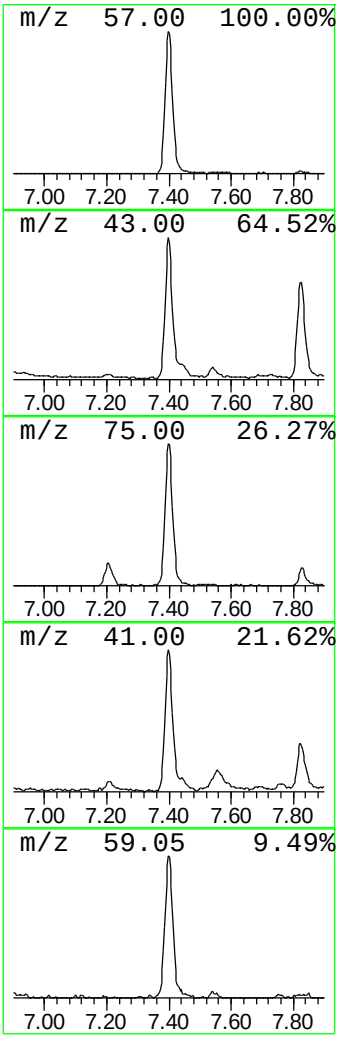
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	18.29 ug/L	501999	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	78
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	53
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	42
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

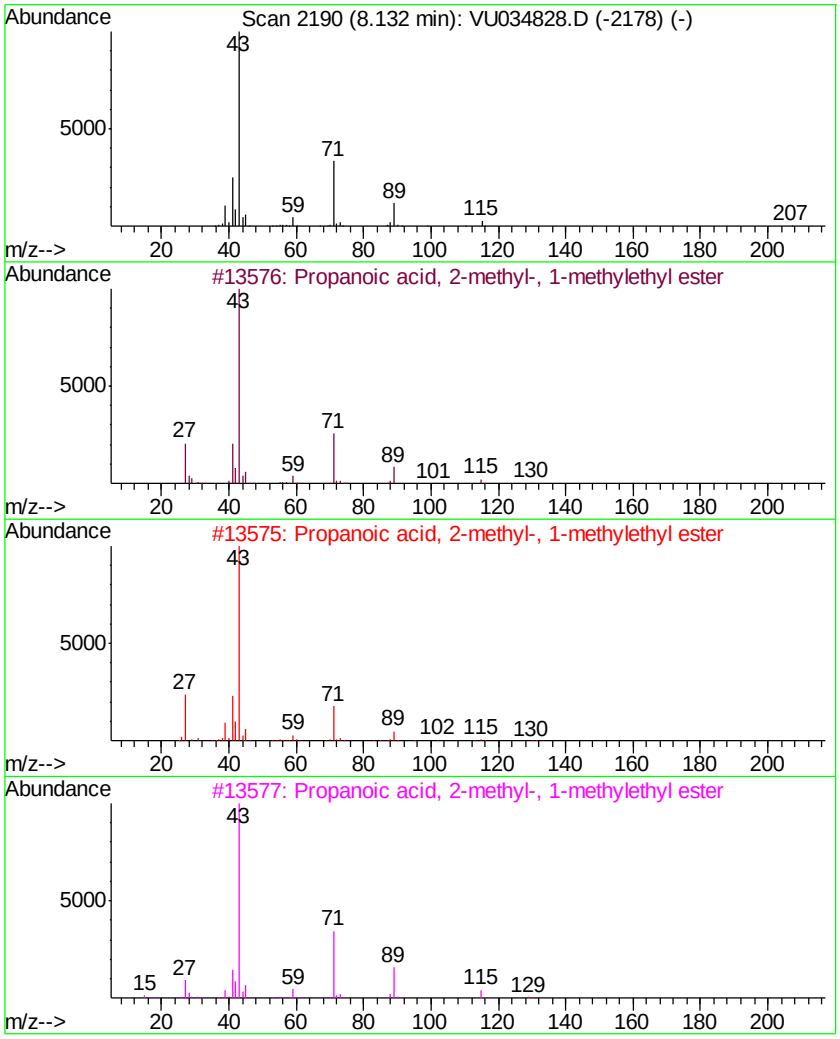
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

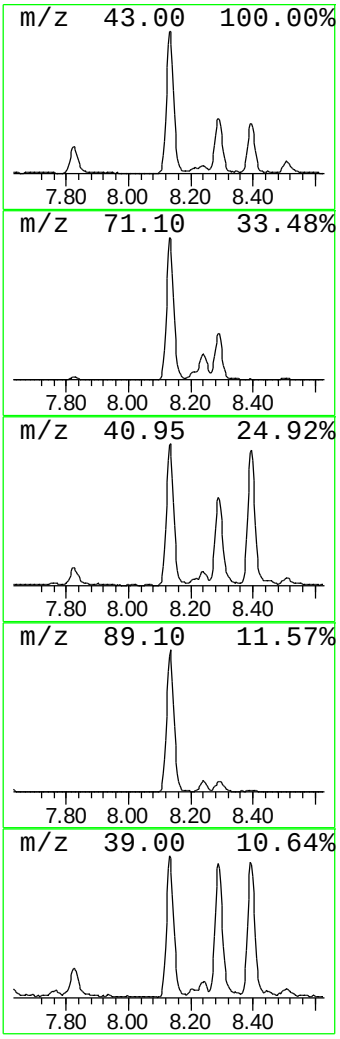
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	30.09 ug/L	866579	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	72
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	45
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

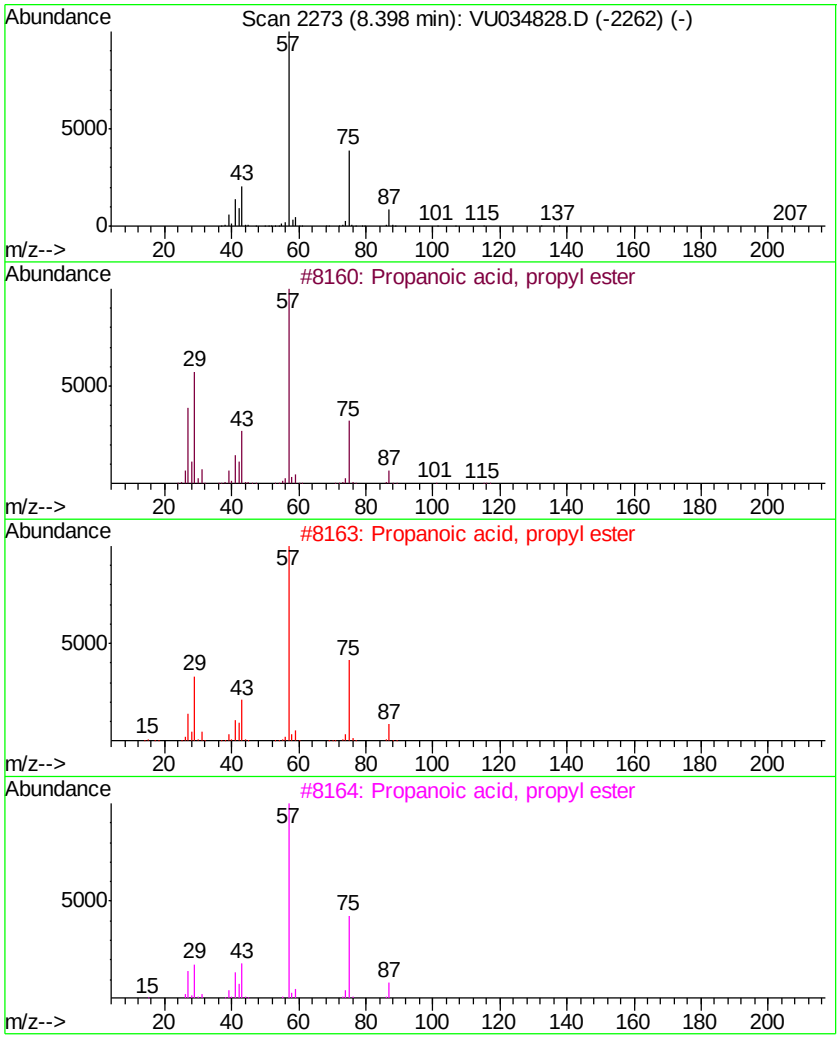
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

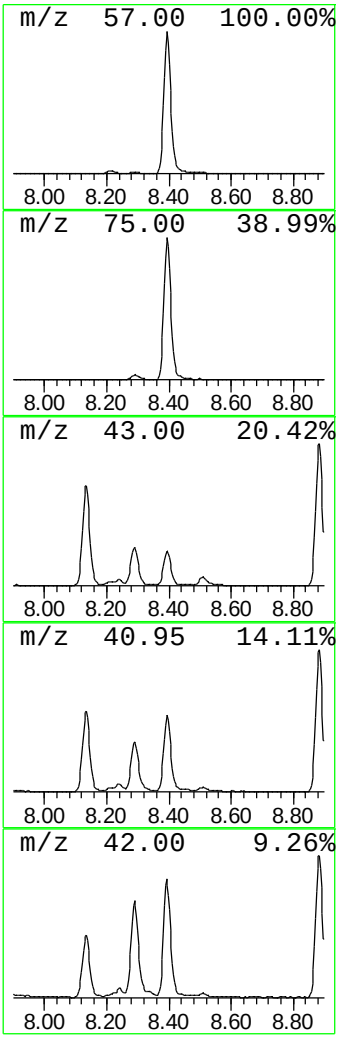
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	49.67 ug/L	1430480	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	78
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	38





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Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

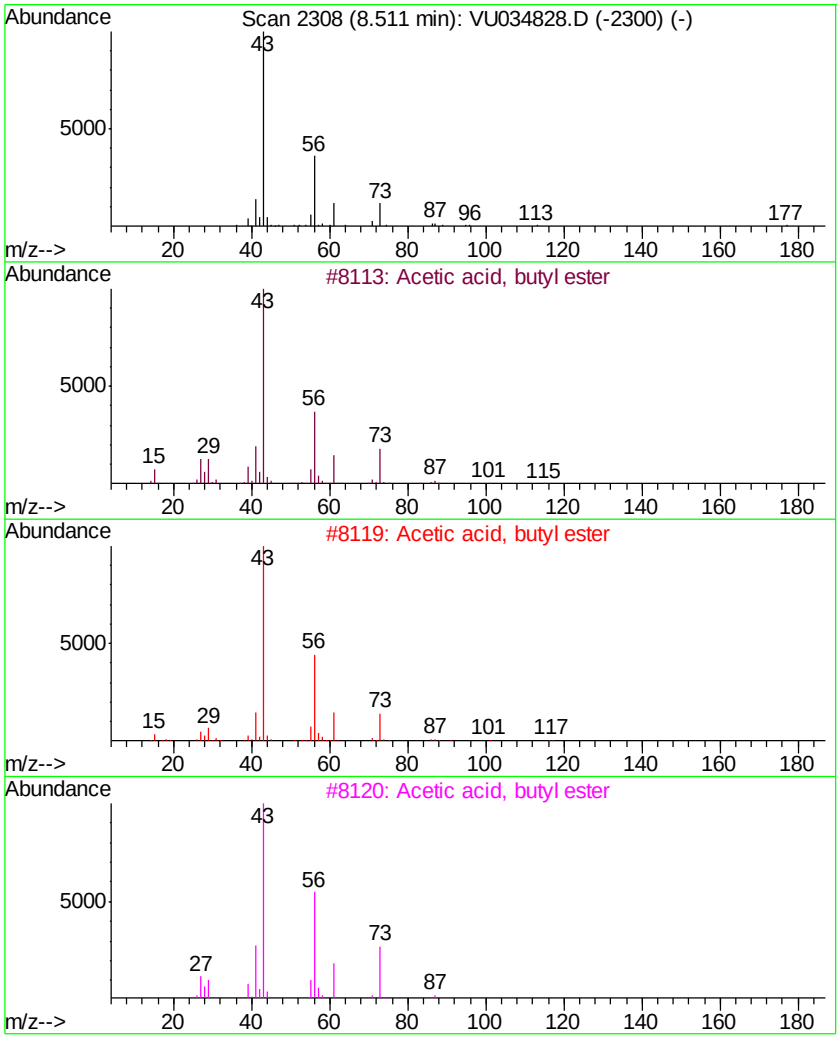
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

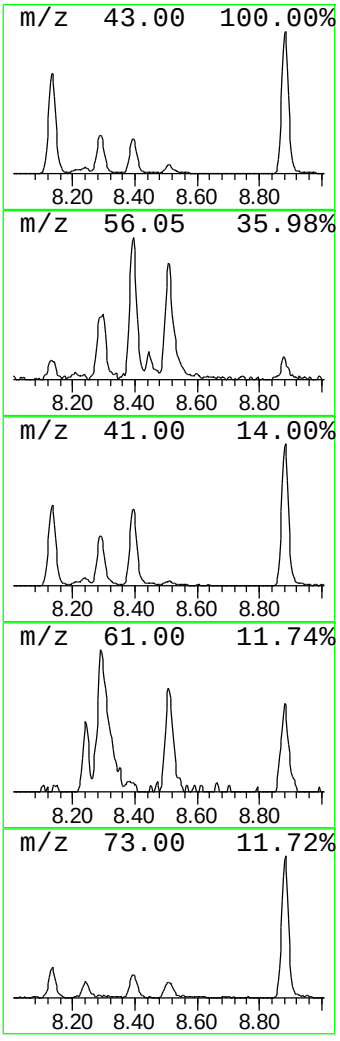
****

Peak Number 7 Acetic acid, butyl ester Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.62 ug/L	75387	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	39
5	1,4-Butanediol, diacetate	174	C8H14O4	000628-67-1	28





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Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

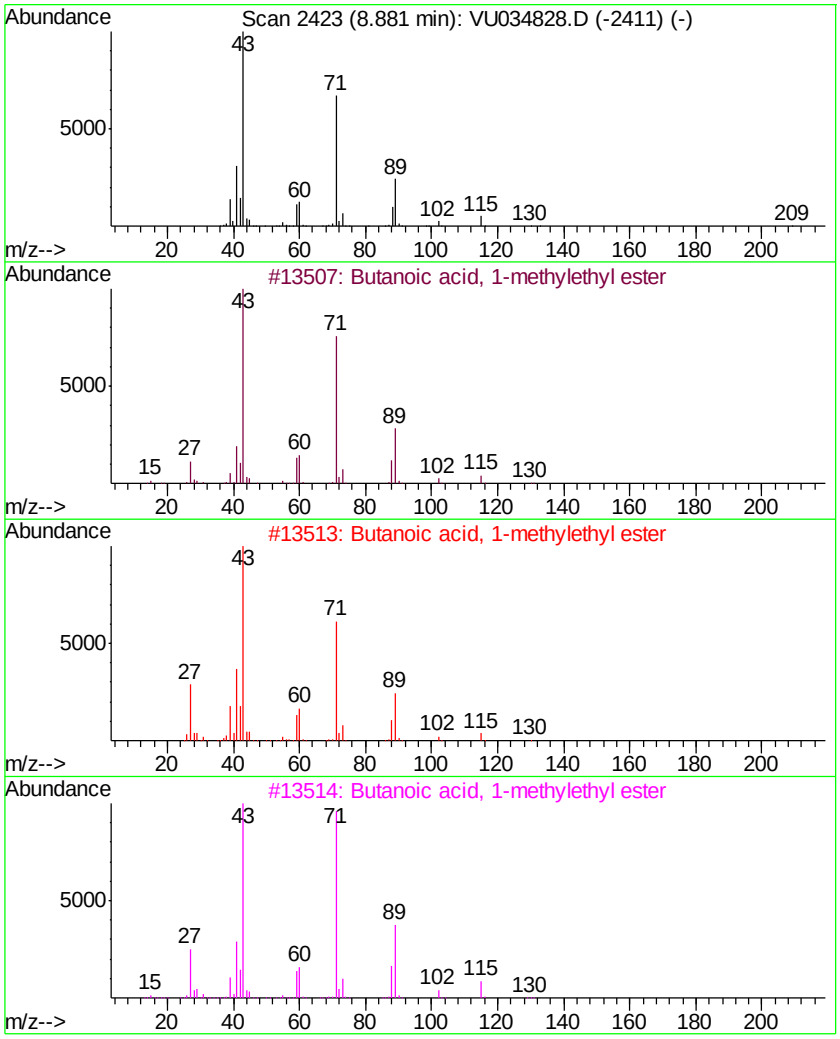
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

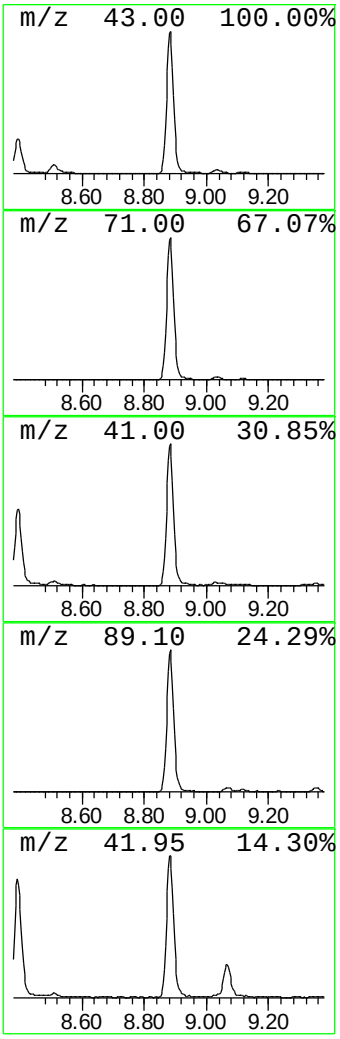
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	60.50 ug/L	1742480	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	86
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

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Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

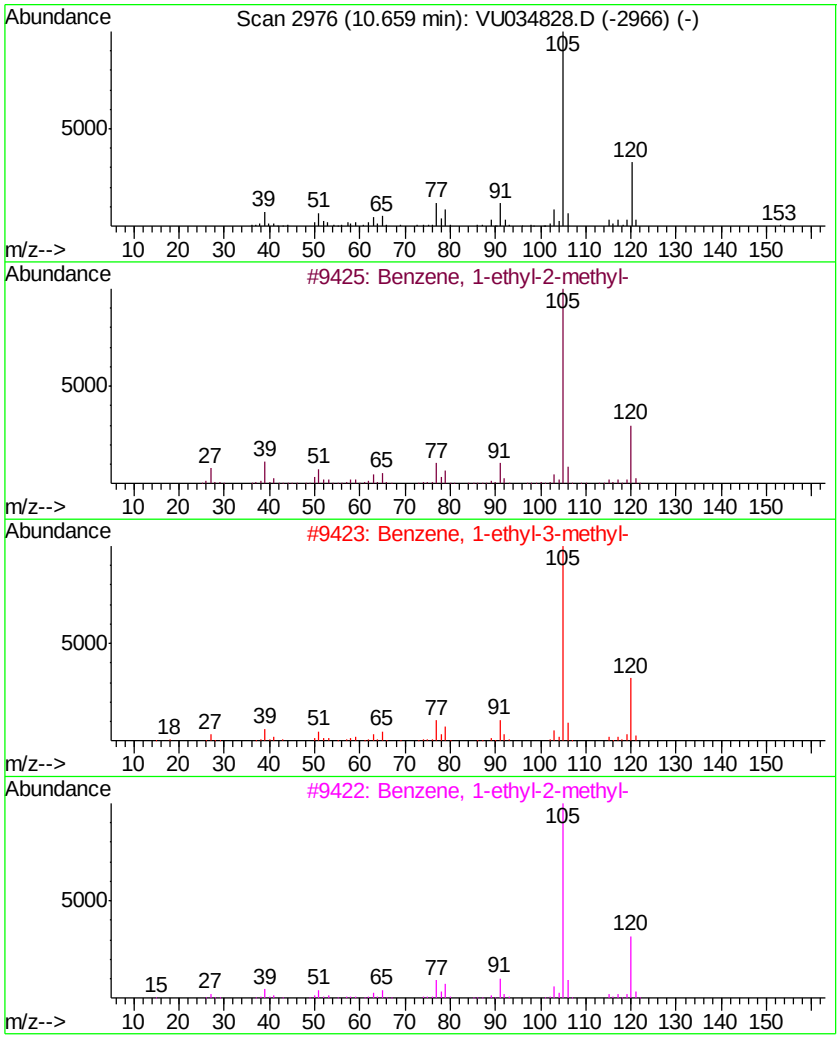
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

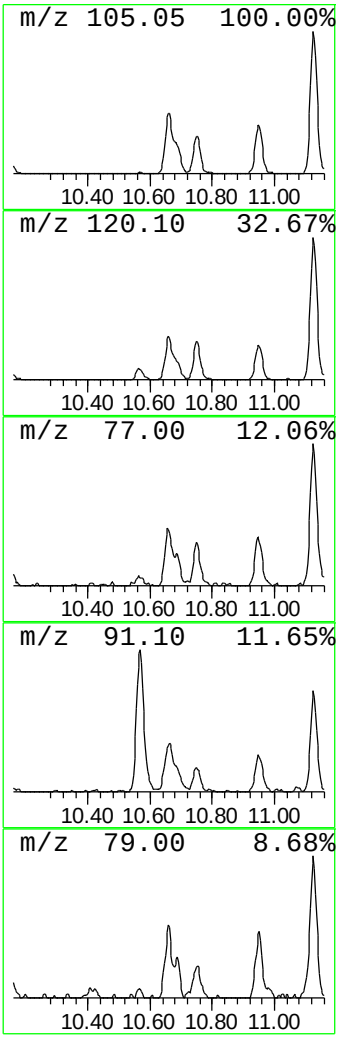
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	8.11 ug/L	207428	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	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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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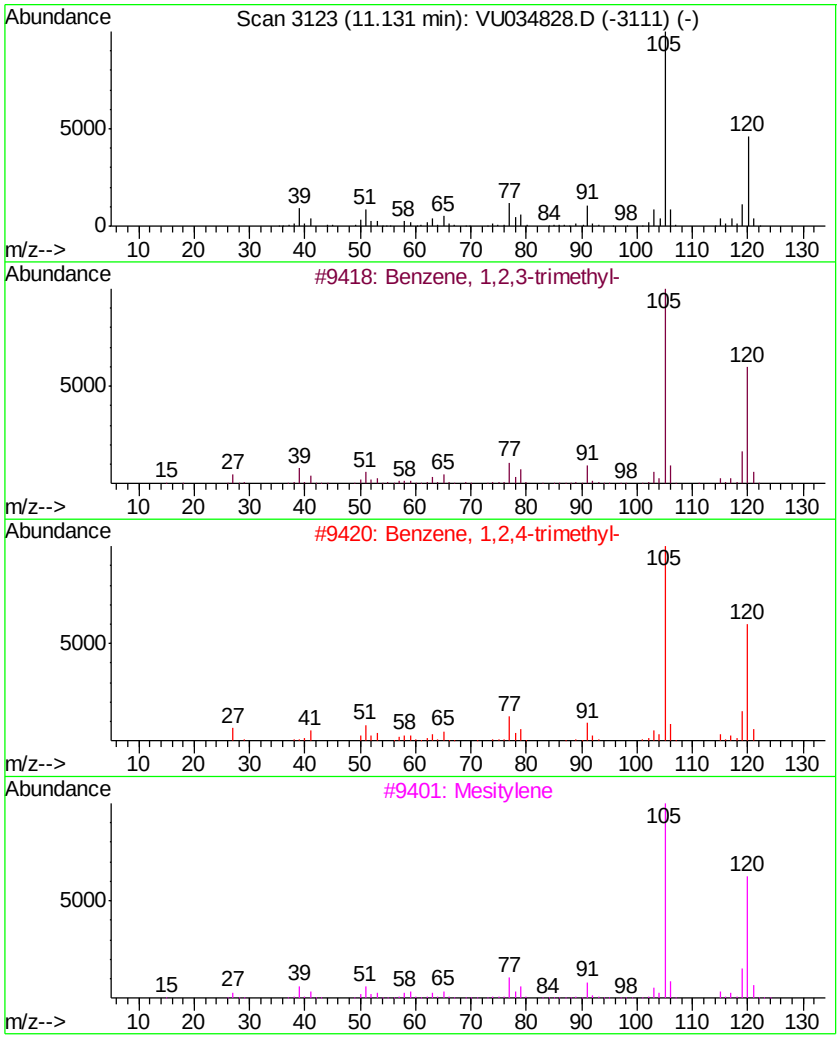
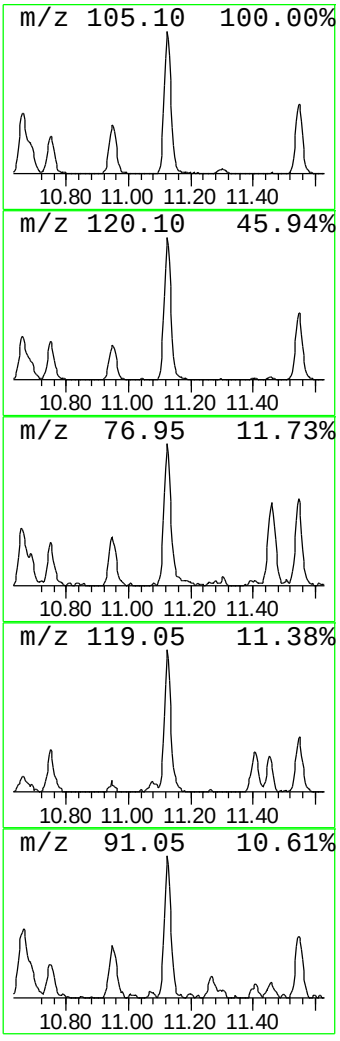
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	14.63 ug/L	374131	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	Mesitylene	120	C9H12	000108-67-8	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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Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

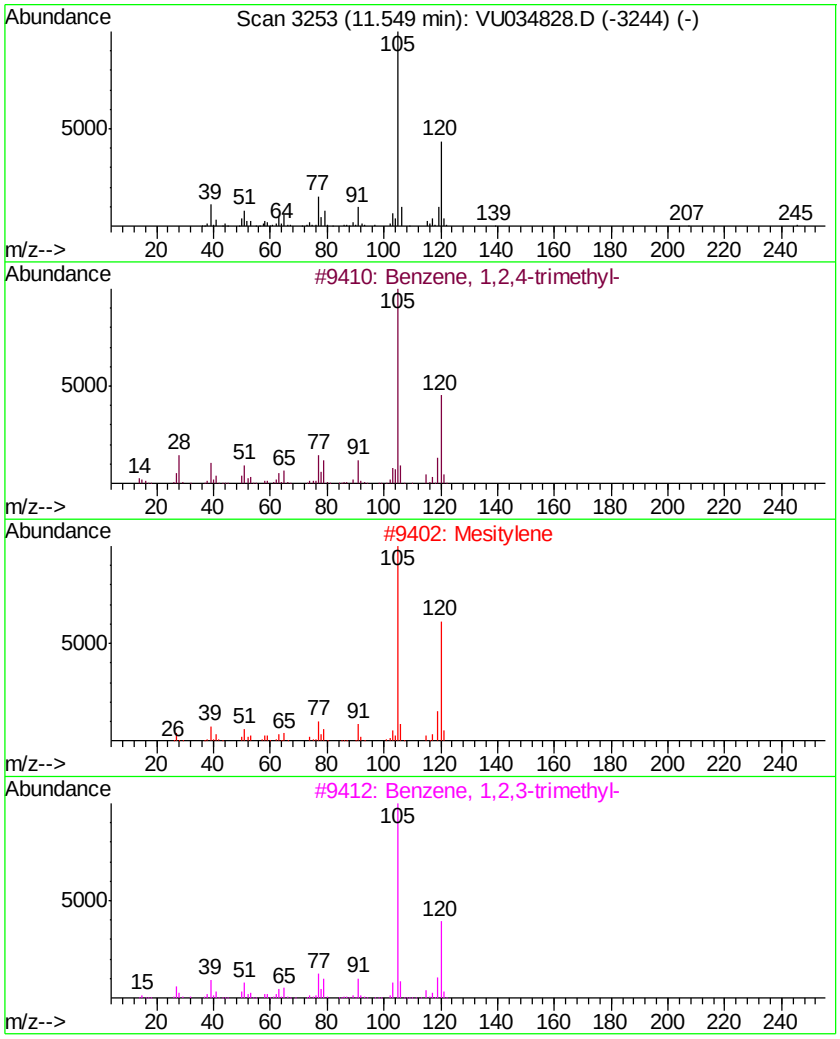
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

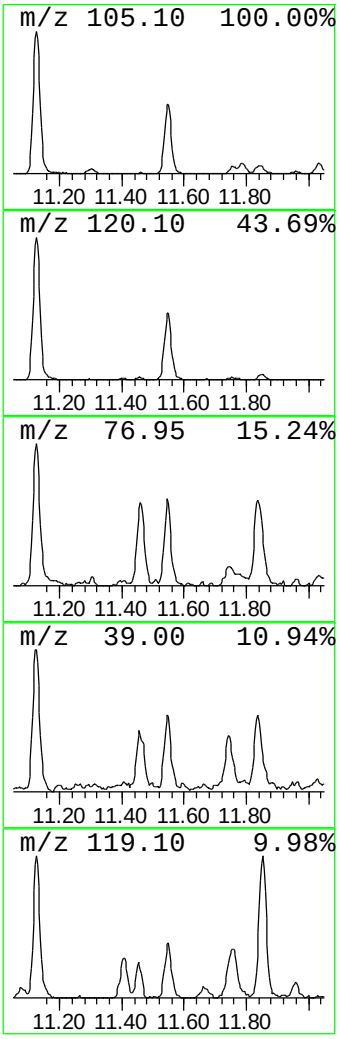
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	7.24 ug/L	185175	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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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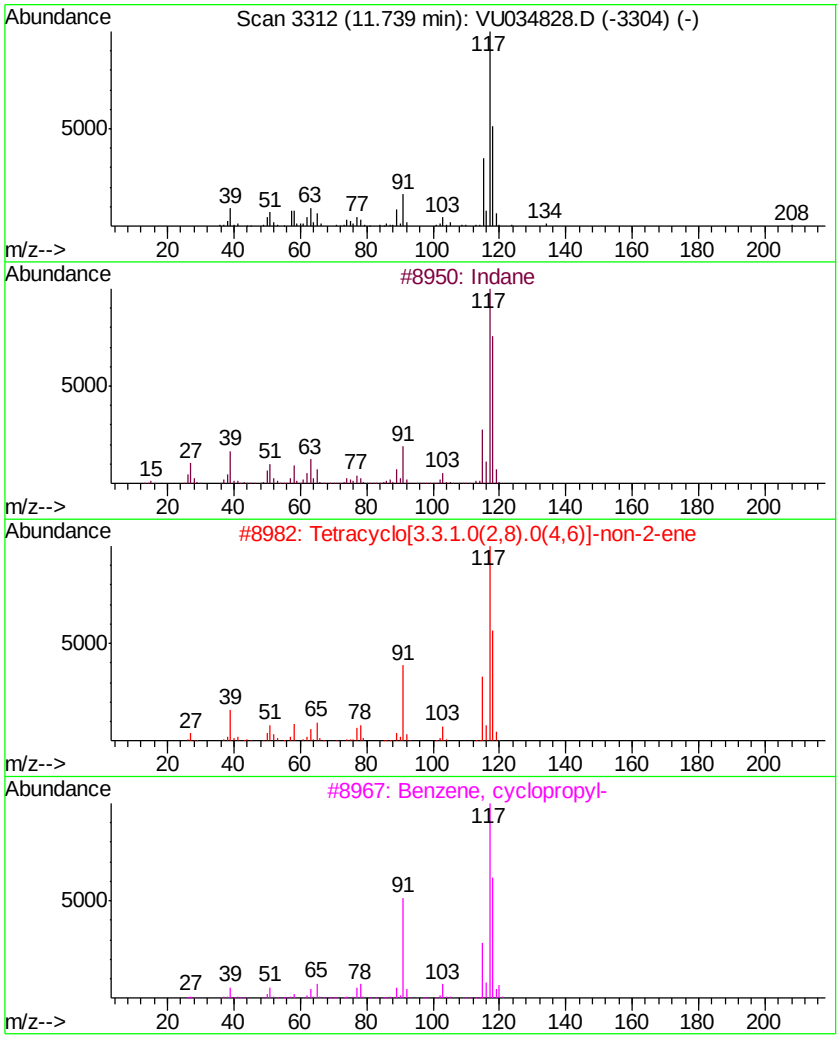
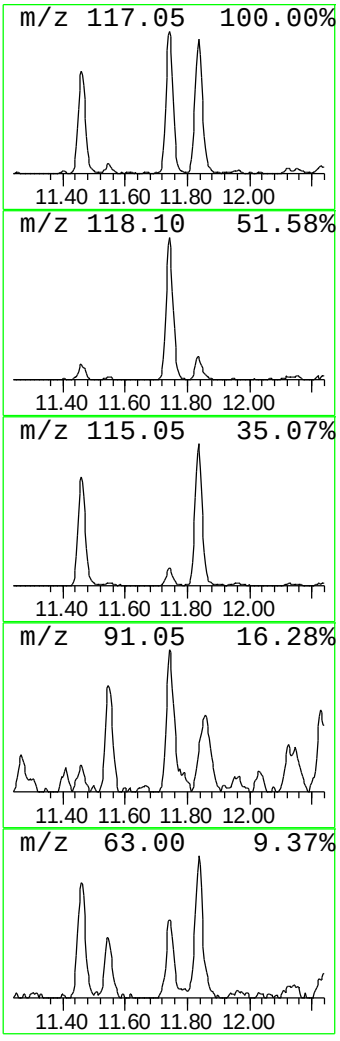
Peak Number 14 Indane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.81 ug/L	174213	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
4	Indane	118	C9H10	000496-11-7	87
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





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Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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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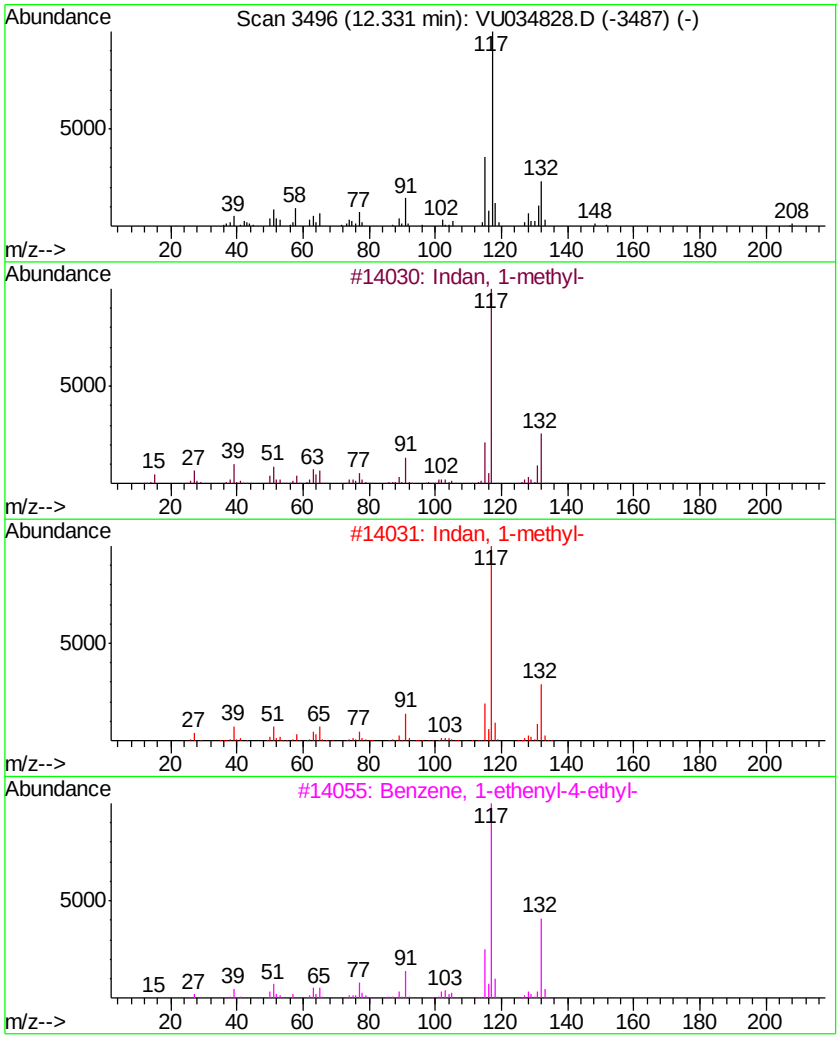
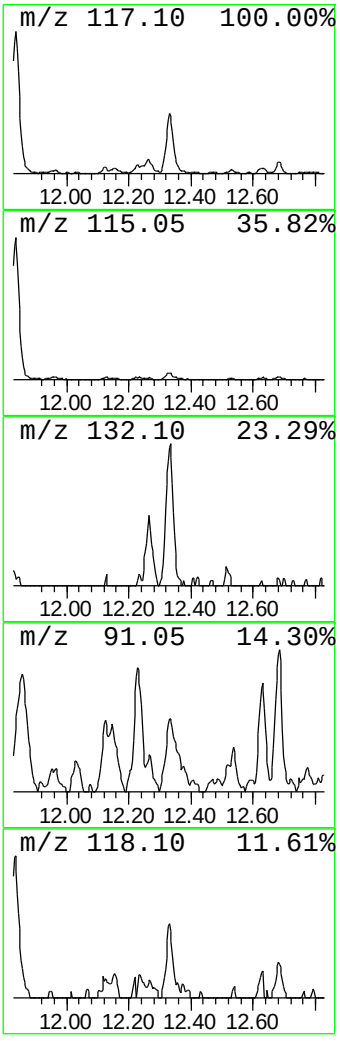
Peak Number 16 Indan, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.39 ug/L	86591	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	80





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Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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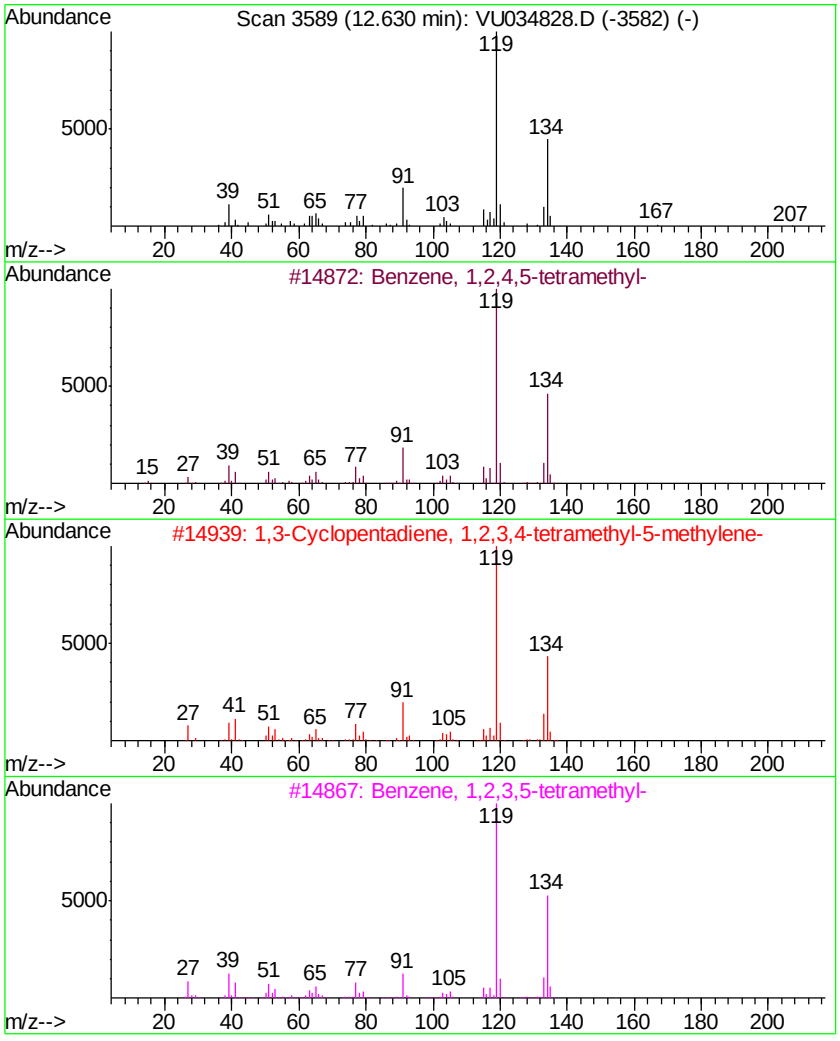
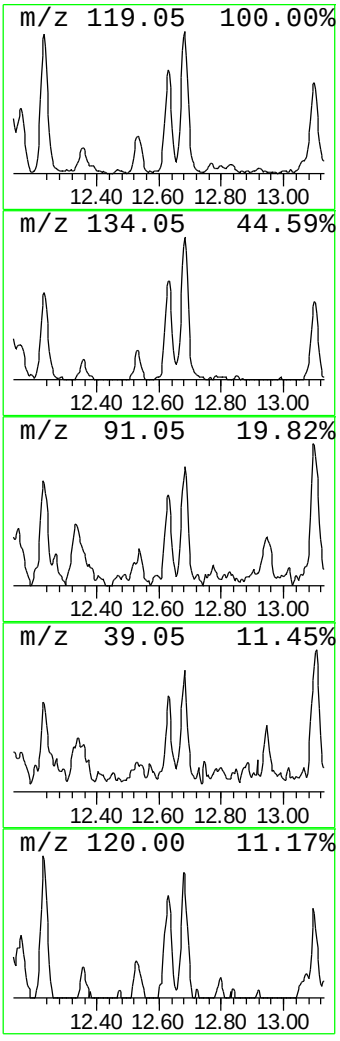
Peak Number 17 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.59 ug/L	66169	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	97
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Acq On : 26 Sep 2019 01:25
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Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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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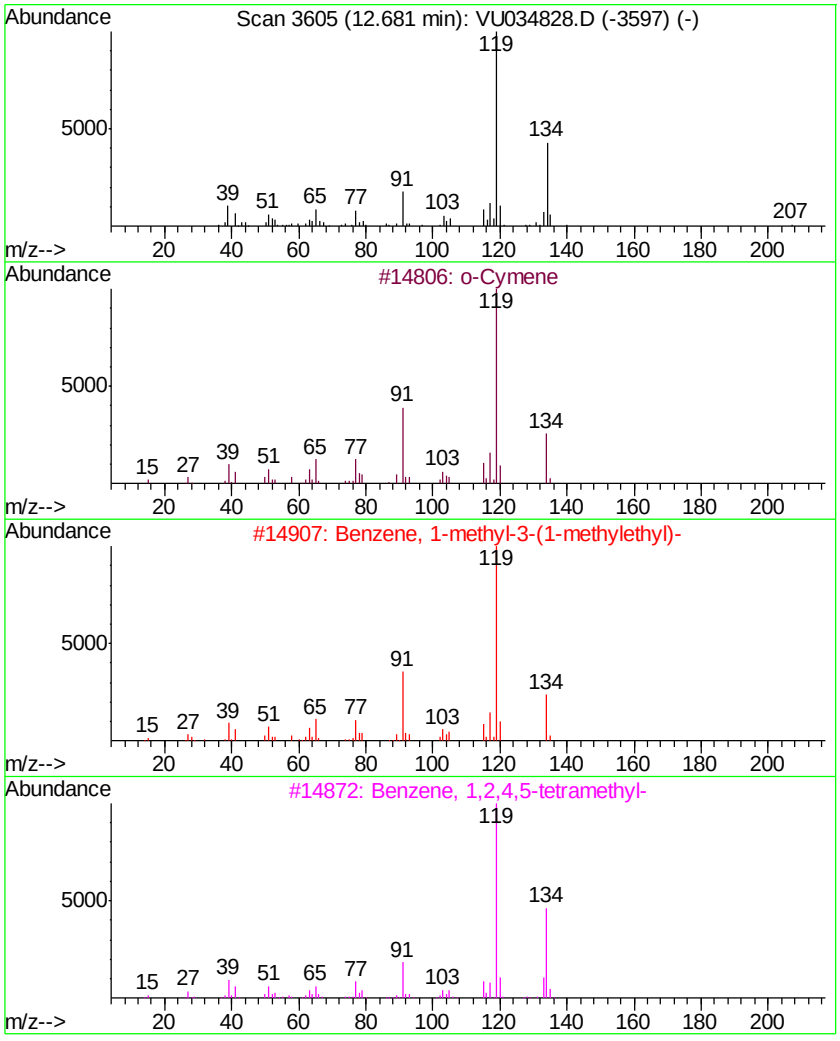
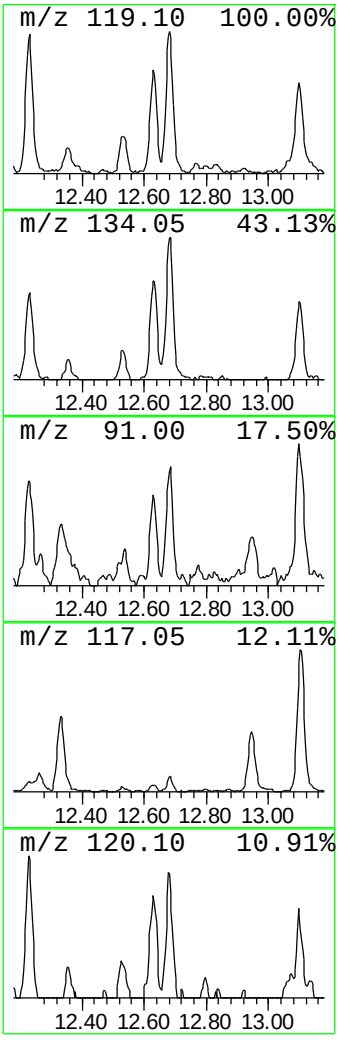
Peak Number 18 o-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	3.82 ug/L	97684	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94





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Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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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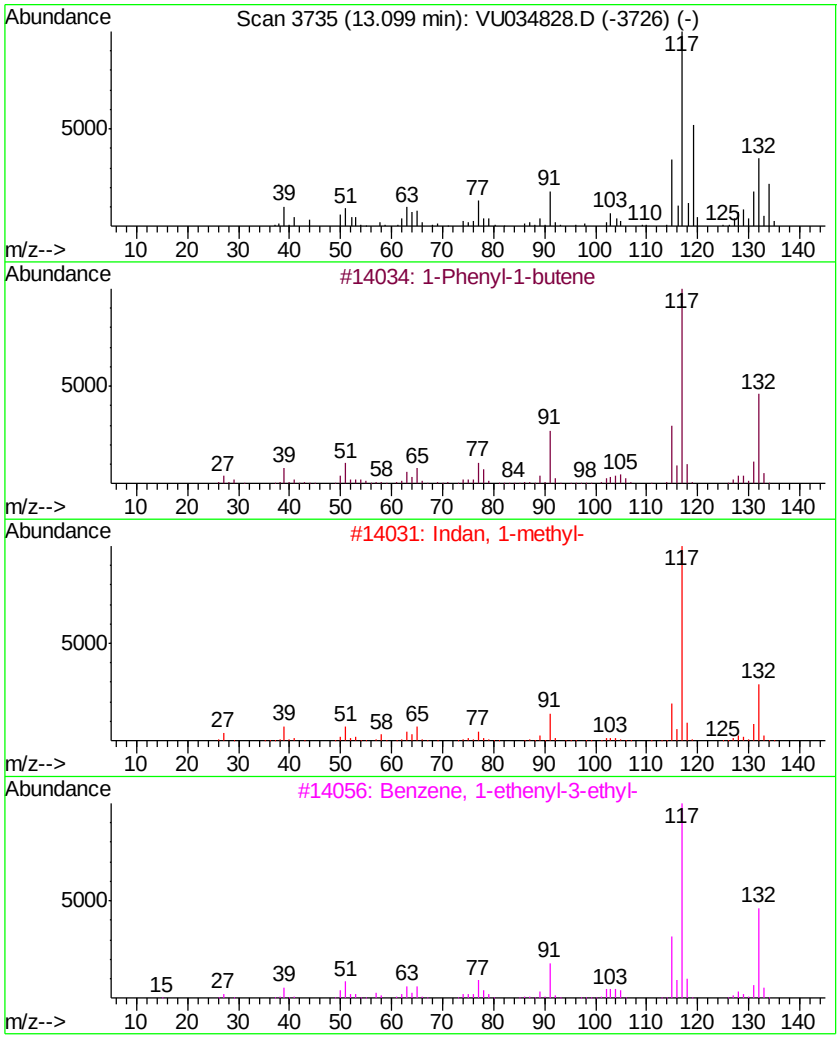
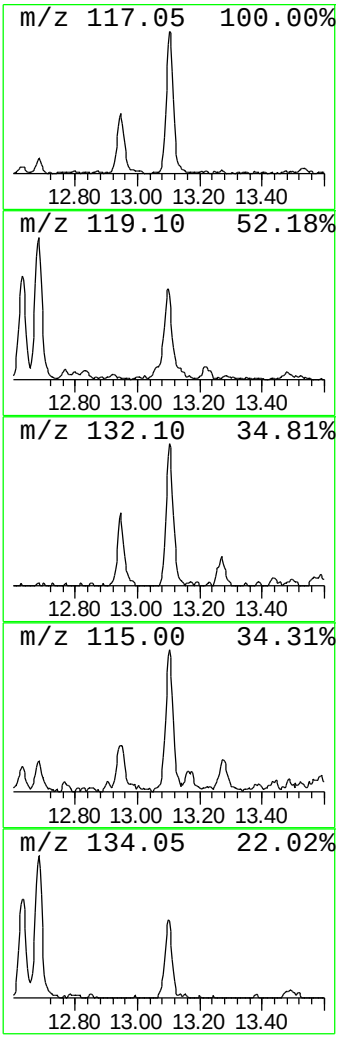
Peak Number 19 1-Phenyl-1-butene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	6.52 ug/L	166699	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	Indan, 1-methyl-	132	C10H12	000767-58-8	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64





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Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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

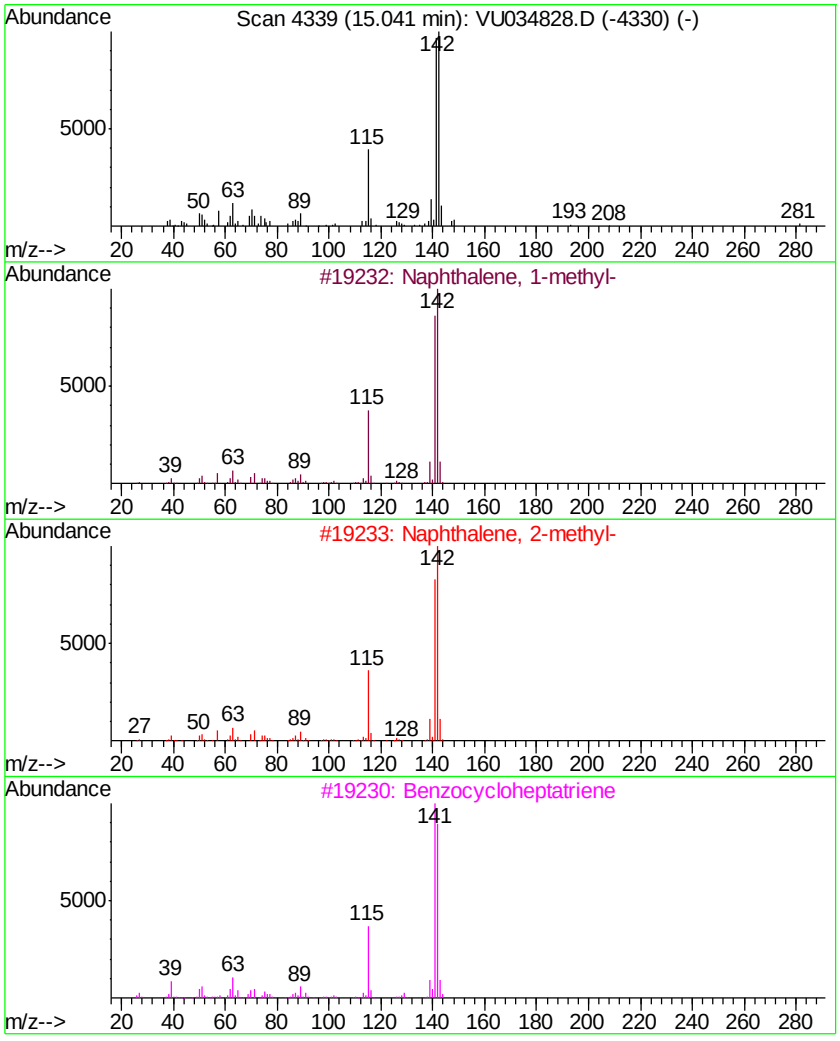
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

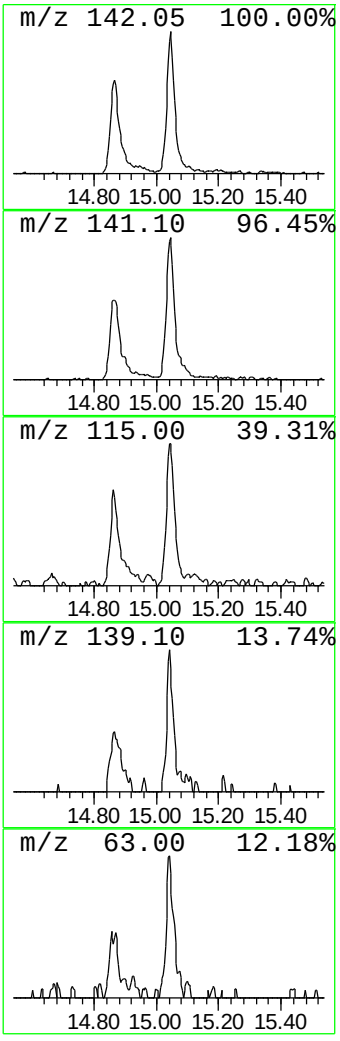
****

Peak Number 21 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	4.51 ug/L	115237	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034828.D
Acq On : 26 Sep 2019 01:25
Operator : JC/SP
Sample : PB123362TB
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : VLEB02

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	233343	1	5.86	1371990	50.0
n-Propyl acetate	6.68	162.7	ug/L	4464130	1	5.86	1371990	50.0
Propanoic acid, 1...	7.40	18.3	ug/L	501999	1	5.86	1371990	50.0
Propanoic acid, 2...	8.13	30.1	ug/L	866579	2	9.07	1439960	50.0
Propanoic acid, p...	8.40	49.7	ug/L	1430480	2	9.07	1439960	50.0
Acetic acid, buty...	8.51	2.6	ug/L	75387	2	9.07	1439960	50.0
Butanoic acid, 1-...	8.88	60.5	ug/L	1742480	2	9.07	1439960	50.0
Benzene, 1-ethyl-...	10.66	8.1	ug/L	207428	3	11.46	1278770	50.0
Benzene, 1,2,3-tr...	11.13	14.6	ug/L	374131	3	11.46	1278770	50.0
Benzene, 1,2,4-tr...	11.55	7.2	ug/L	185175	3	11.46	1278770	50.0
Indane	11.74	6.8	ug/L	174213	3	11.46	1278770	50.0
Indan, 1-methyl-	12.33	3.4	ug/L	86591	3	11.46	1278770	50.0
Benzene, 1,2,4,5-...	12.63	2.6	ug/L	66169	3	11.46	1278770	50.0
o-Cymene	12.68	3.8	ug/L	97684	3	11.46	1278770	50.0
1-Phenyl-1-butene	13.10	6.5	ug/L	166699	3	11.46	1278770	50.0
Naphthalene, 1-me...	15.04	4.5	ug/L	115237	3	11.46	1278770	50.0