LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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	24	27	34	rVB2	8558	8101	0.21%	0.025%
2	1.395	87	95	106	rBV	367784	388302	9.93%	1.214%
3	1.540	135	140	146	rVB3	25722	27910	0.71%	0.087%
4	1.675	174	182	193	rVB	290280	354495	9.07%	1.108%
5	2.260	354	364	374	rVB	501825	753718	19.28%	2.356%
6	2.588	462	466	467	rBV3	1798	1394	0.04%	0.004%
7	2.685	489	496	506	rVB5	10688	17505	0.45%	0.055%
8	2.762	516	520	524	rBV6	1963	1880	0.05%	0.006%
9	2.958	577	581	584	rBV4	2175	1582	0.04%	0.005%
10	3.145	636	639	643	rBV5	1413	1192	0.03%	0.004%
11	3.173	643	648	651	rVV6	2032	1826	0.05%	0.006%
12	3.238	664	668	670	rBV3	1117	852	0.02%	0.003%
13	3.280	678	681	687	rVB6	1680	1585	0.04%	0.005%
14	3.312	687	691	694	rBV4	1250	1201	0.03%	0.004%
15	3.427	722	727	729	rVV3	1615	1506	0.04%	0.005%
16	3.440	729	731	736	rVV5	1627	1128	0.03%	0.004%
17	3.492	743	747	752	rVB6	2051	1833	0.05%	0.006%
18	3.518	752	755	756	rBV3	1407	920	0.02%	0.003%
19	3.791	835	840	842	rVV4	1903	1583	0.04%	0.005%
20	3.855	858	860	865	rBV4	1326	1010	0.03%	0.003%
21	3.900	868	874	878	rVB6	1447	1665	0.04%	0.005%
22	3.939	878	886	889	rBV8	1453	1774	0.05%	0.006%
23	3.981	896	899	903	rBV5	1765	1520	0.04%	0.005%
24	4.064	917	925	931	rBV9	2031	3023	0.08%	0.009%
25	4.151	940	952	980	rBV2	216030	589461	15.08%	1.843%
26	4.415	1032	1034	1039	rVB6	1919	1352	0.03%	0.004%
27	4.511	1062	1064	1069	rVB6	1289	1122	0.03%	0.004%
28	4.624	1079	1099	1122	rBV	369263	895016	22.89%	2.798%
29	4.961	1197	1204	1208	rBV7	4012	5868	0.15%	0.018%
30	5.051	1226	1232	1234	rBV6	2056	1743	0.04%	0.005%
31	5.193	1272	1276	1280	rVB5	1835	1308	0.03%	0.004%
32	5.315	1291	1314	1338	rBV2	777583	2321000	59.37%	7.256%
33	5.530	1370	1381	1399	rBV3	96623	203114	5.20%	0.635%
34	5.865	1471	1485	1503	rBV	626696	1241168	31.75%	3.880%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
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Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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	6.305	1610	1622	1643	rBV	536976	1077420	27.56%	3.368%
36	6.681	1727	1739	1767	rBV	2148231	3909585	100.00%	12.223%
37	7.109	1869	1872	1875	rBV3	1949	1104	0.03%	0.003%
38	7.205	1891	1902	1930	rBV2	311778	583843	14.93%	1.825%
39	7.398	1952	1962	1974	rBV	265434	452731	11.58%	1.415%
40	7.543	1995	2007	2022	rBV	1042671	1856781	47.49%	5.805%
41	7.826	2084	2095	2117	rBV2	284273	535922	13.71%	1.676%
42	8.009	2150	2152	2155	rBV4	2755	1754	0.04%	0.005%
43	8.135	2179	2191	2206	rBV	492146	821998	21.03%	2.570%
44	8.215	2209	2216	2218	rBV2	21075	26714	0.68%	0.084%
45	8.289	2230	2239	2261	rBV	868414	1498927	38.34%	4.686%
46	8.395	2262	2272	2299	rVV	762091	1260948	32.25%	3.942%
47	8.508	2302	2307	2322	rVB	42725	73866	1.89%	0.231%
48	8.643	2347	2349	2356	rVB8	1889	1752	0.04%	0.005%
49	8.672	2356	2358	2359	rBV2	1601	849	0.02%	0.003%
50	8.791	2390	2395	2398	rBV6	2111	2375	0.06%	0.007%
51	8.884	2411	2424	2443	rBV	995633	1626153	41.59%	5.084%
52	9.067	2461	2481	2504	rBV	964790	1669508	42.70%	5.220%
53	9.231	2524	2532	2543	rVB	48963	78880	2.02%	0.247%
54	9.302	2552	2554	2557	rBV4	2095	1548	0.04%	0.005%
55	9.353	2557	2570	2588	rVB	159382	281225	7.19%	0.879%
56	9.549	2628	2631	2634	rBV4	1601	1075	0.03%	0.003%
57	9.585	2634	2642	2656	rBV2	23385	42339	1.08%	0.132%
58	9.691	2671	2675	2676	rBV4	2496	1706	0.04%	0.005%
59	9.752	2682	2694	2716	rVB4	240977	467281	11.95%	1.461%
60	9.890	2734	2737	2740	rBV5	2028	1594	0.04%	0.005%
61	10.012	2772	2775	2777	rBV3	2641	1648	0.04%	0.005%
62	10.144	2803	2816	2825	rBV4	20248	37558	0.96%	0.117%
63	10.334	2872	2875	2877	rBV3	2013	1236	0.03%	0.004%
64	10.408	2886	2898	2919	rBV	660688	1099534	28.12%	3.438%
65	10.565	2937	2947	2962	rBV	23755	42464	1.09%	0.133%
66	10.659	2966	2976	2995	rVV2	104955	231611	5.92%	0.724%
67	10.749	2995	3004	3022	rVB	105833	164950	4.22%	0.516%
68	10.897	3043	3050	3057	rBV3	16192	24870	0.64%	0.078%
69	10.948	3058	3066	3084	rVB2	92572	150558	3.85%	0.471%
70	11.057	3098	3100	3101	rBV2	2259	936	0.02%	0.003%
71	11.125	3110	3121	3137	rBV	374894	581390	14.87%	1.818%

LSC Area Percent Report

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Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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	11.401	3200	3207	3214	rBV4	22849	33287	0.85%	0.104%
73	11.459	3214	3225	3242	rVV	925258	1497698	38.31%	4.682%
74	11.546	3243	3252	3265	rVB	211053	338954	8.67%	1.060%
75	11.742	3301	3313	3323	rBV	107738	194257	4.97%	0.607%
76	11.836	3332	3342	3369	rVB	981621	1739183	44.49%	5.437%
77	12.032	3397	3403	3415	rVB	20341	32773	0.84%	0.102%
78	12.125	3423	3432	3436	rBV2	47972	73323	1.88%	0.229%
79	12.228	3456	3464	3472	rBV	65240	106105	2.71%	0.332%
80	12.331	3487	3496	3516	rBV3	86081	174240	4.46%	0.545%
81	12.530	3548	3558	3569	rVB3	37279	66609	1.70%	0.208%
82	12.594	3572	3578	3581	rVV4	14934	19329	0.49%	0.060%
83	12.630	3583	3589	3597	rVV2	61955	94332	2.41%	0.295%
84	12.681	3597	3605	3617	rVB	99894	157018	4.02%	0.491%
85	12.768	3626	3632	3636	rBV5	11445	13176	0.34%	0.041%
86	12.945	3679	3687	3702	rVB2	74941	119332	3.05%	0.373%
87	13.102	3726	3736	3749	rVB3	217169	349662	8.94%	1.093%
88	13.270	3779	3788	3802	rVB5	49982	93113	2.38%	0.291%
89	13.382	3817	3823	3831	rBV7	18199	24865	0.64%	0.078%
90	13.434	3832	3839	3847	rBV3	39125	58580	1.50%	0.183%
91	13.488	3848	3856	3864	rBV4	44638	79912	2.04%	0.250%
92	13.720	3918	3928	3955	rBV	374544	666939	17.06%	2.085%
93	14.131	4048	4056	4069	rVB3	36747	61971	1.59%	0.194%
94	14.311	4103	4112	4124	rBV6	36103	86286	2.21%	0.270%
95	14.456	4150	4157	4165	rBV6	13638	22259	0.57%	0.070%
96	14.517	4169	4176	4189	rVB5	25855	47310	1.21%	0.148%
97	14.803	4258	4265	4272	rBV9	10688	16620	0.43%	0.052%
98	14.858	4273	4282	4301	rBV	78300	161893	4.14%	0.506%
99	15.041	4330	4339	4355	rBV	111758	201154	5.15%	0.629%
100	15.353	4434	4436	4439	rBV4	2948	2012	0.05%	0.006%

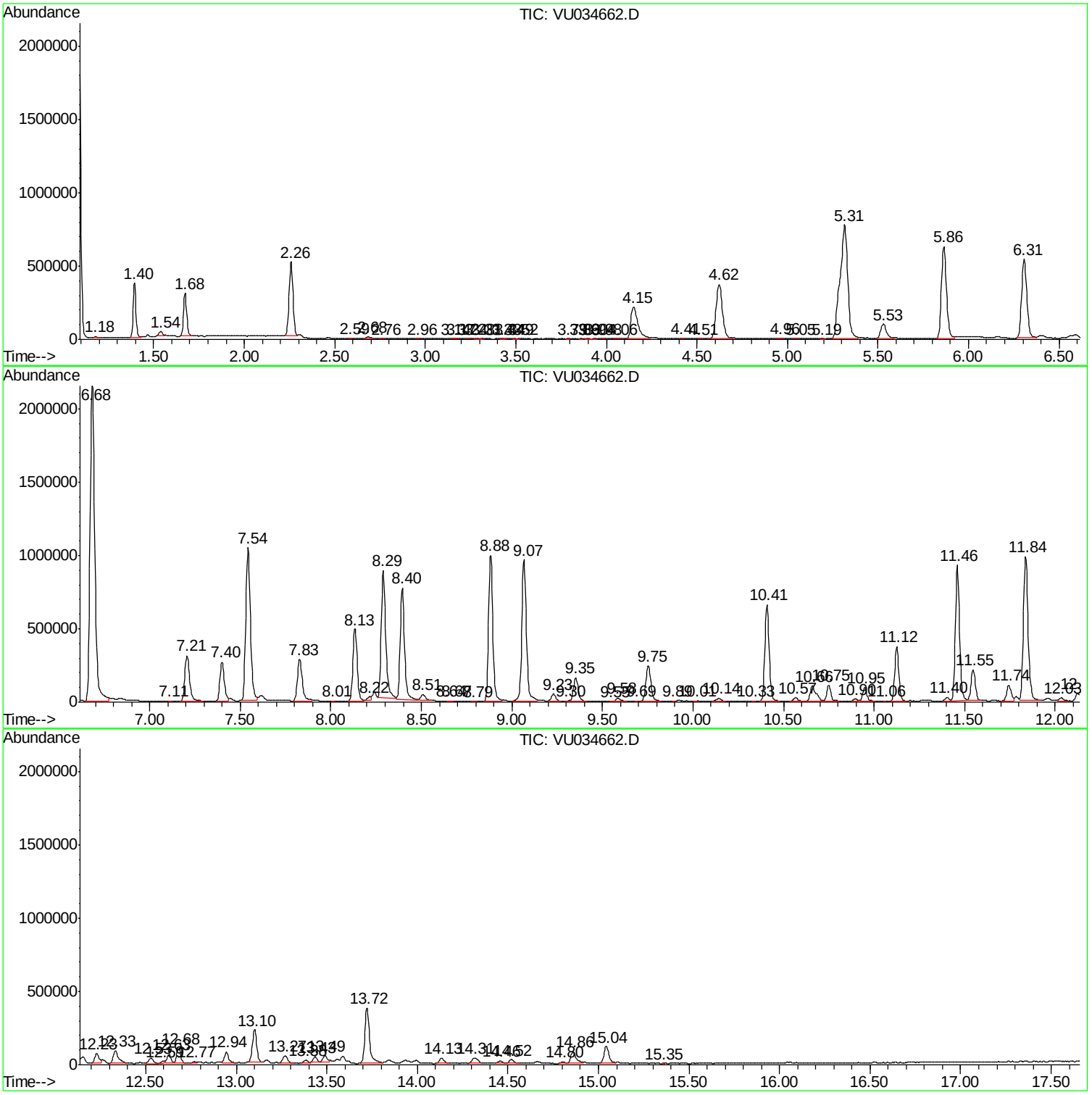
Sum of corrected areas: 31985482

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

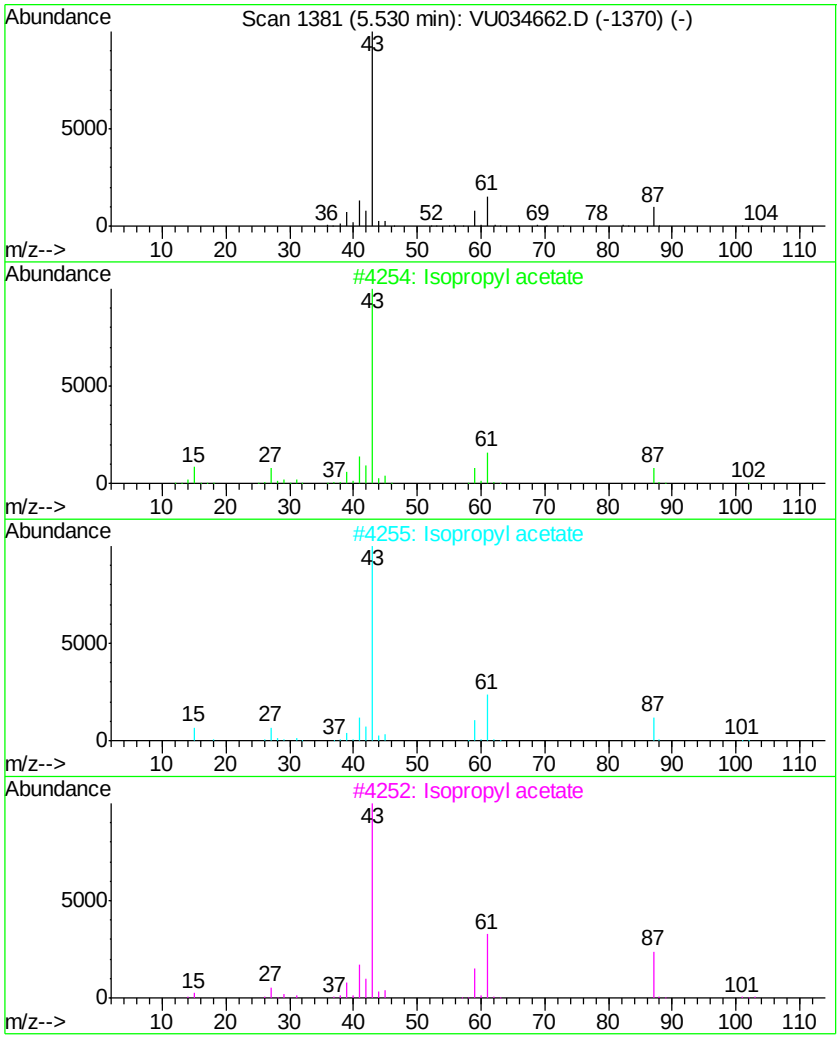
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

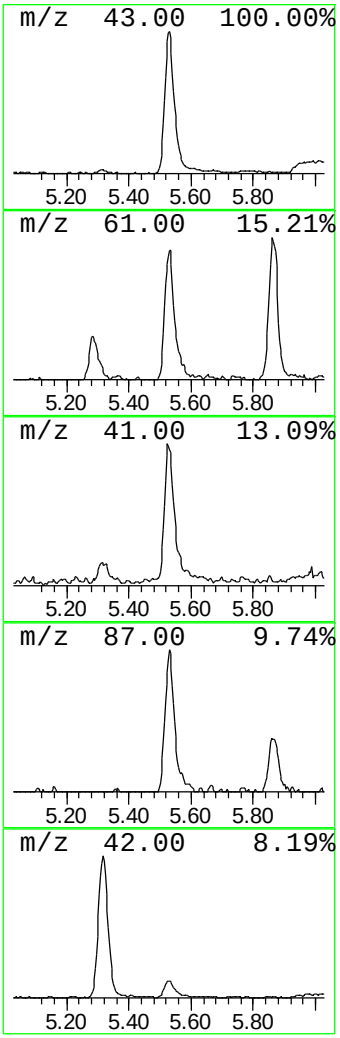
****

Peak Number 1 Isopropyl acetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.18 ug/L	203114	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	59
2	Isopropyl acetate	102	C5H10O2	000108-21-4	56
3	Isopropyl acetate	102	C5H10O2	000108-21-4	53
4	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

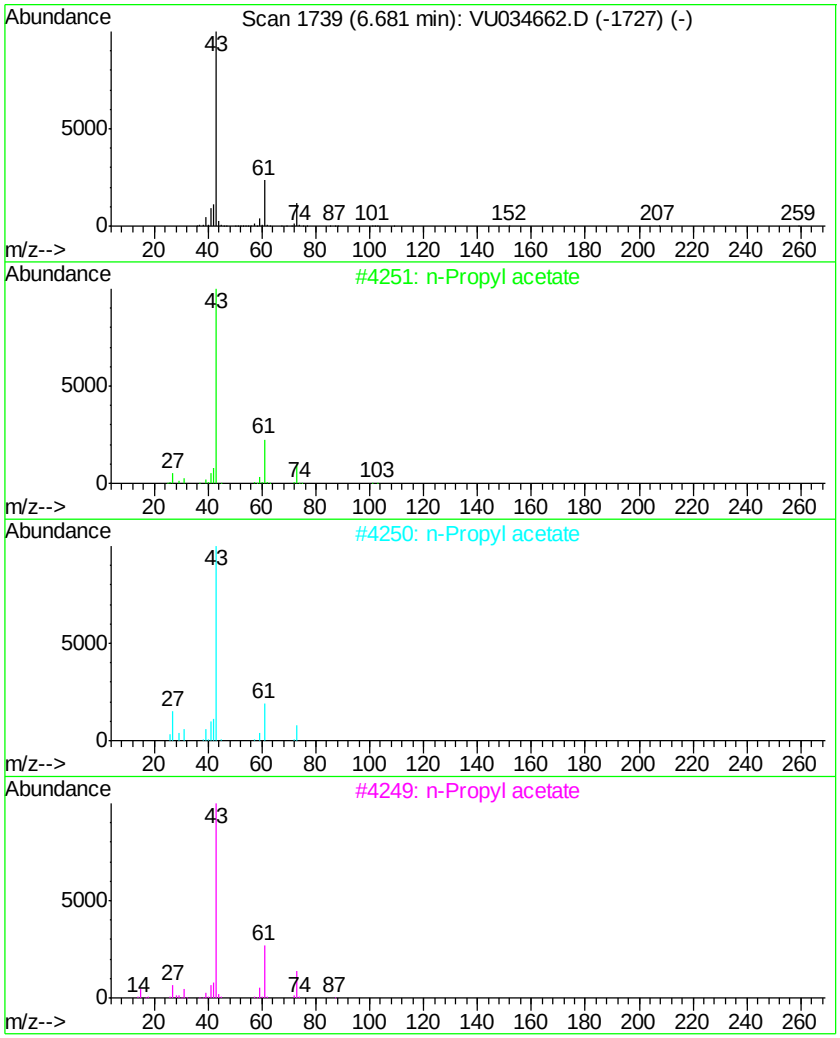
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

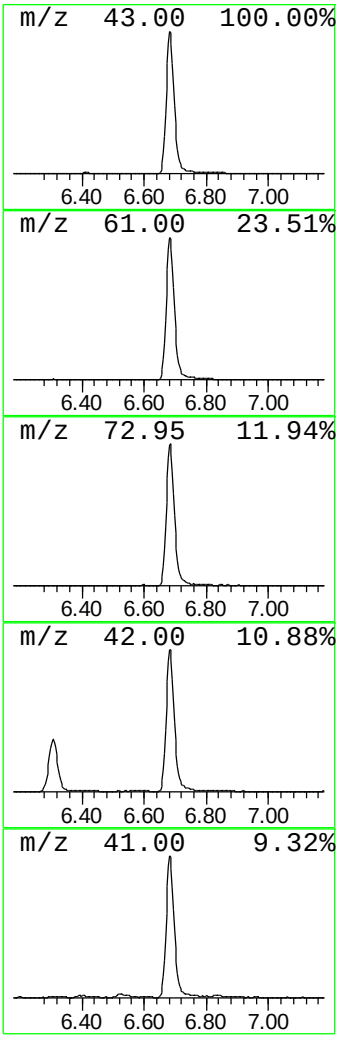
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	157.50 ug/L	3909590	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	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

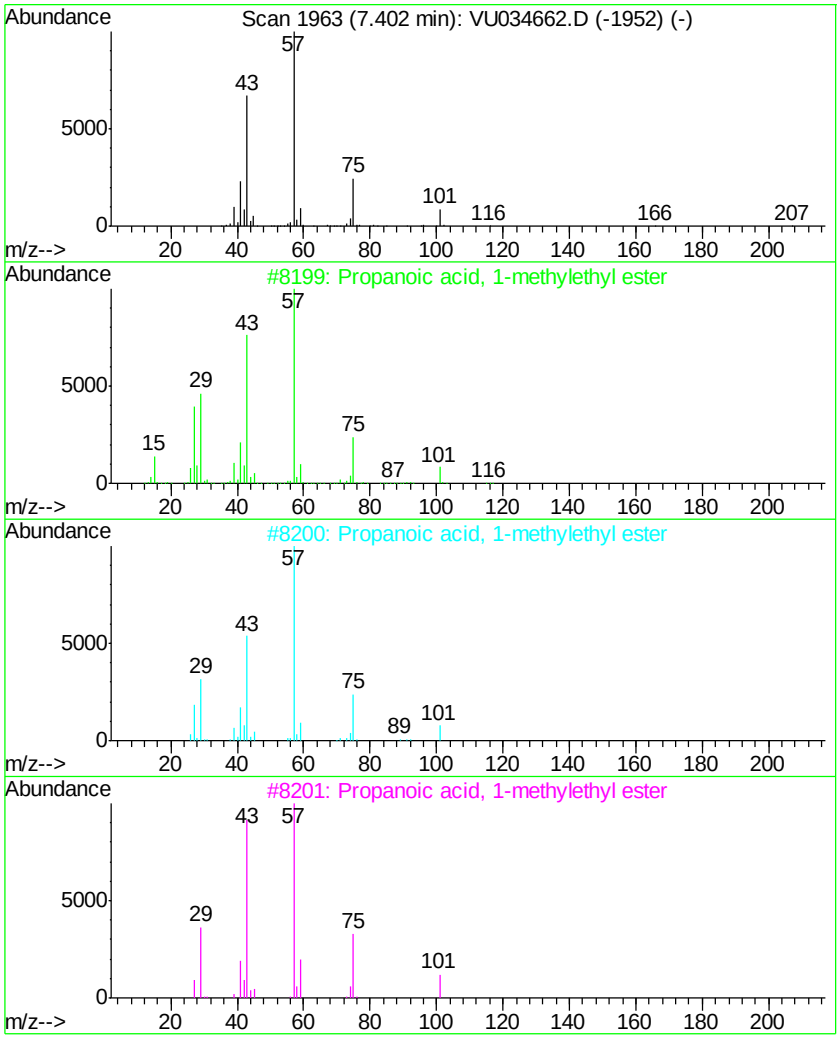
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

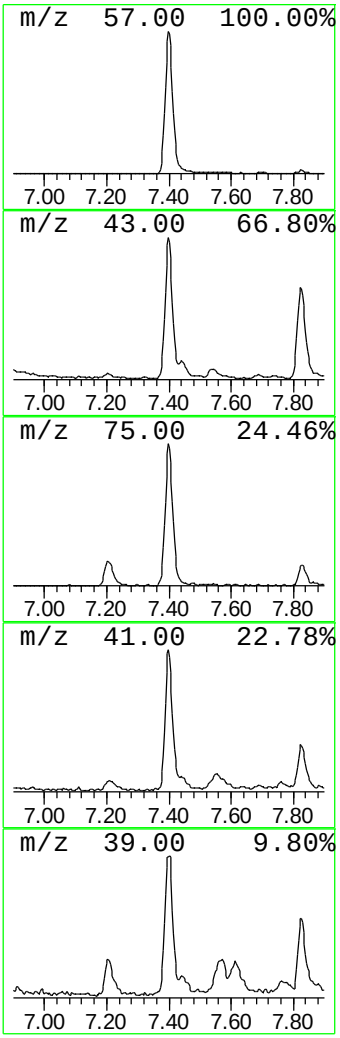
****

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	18.24 ug/L	452731	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	83
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

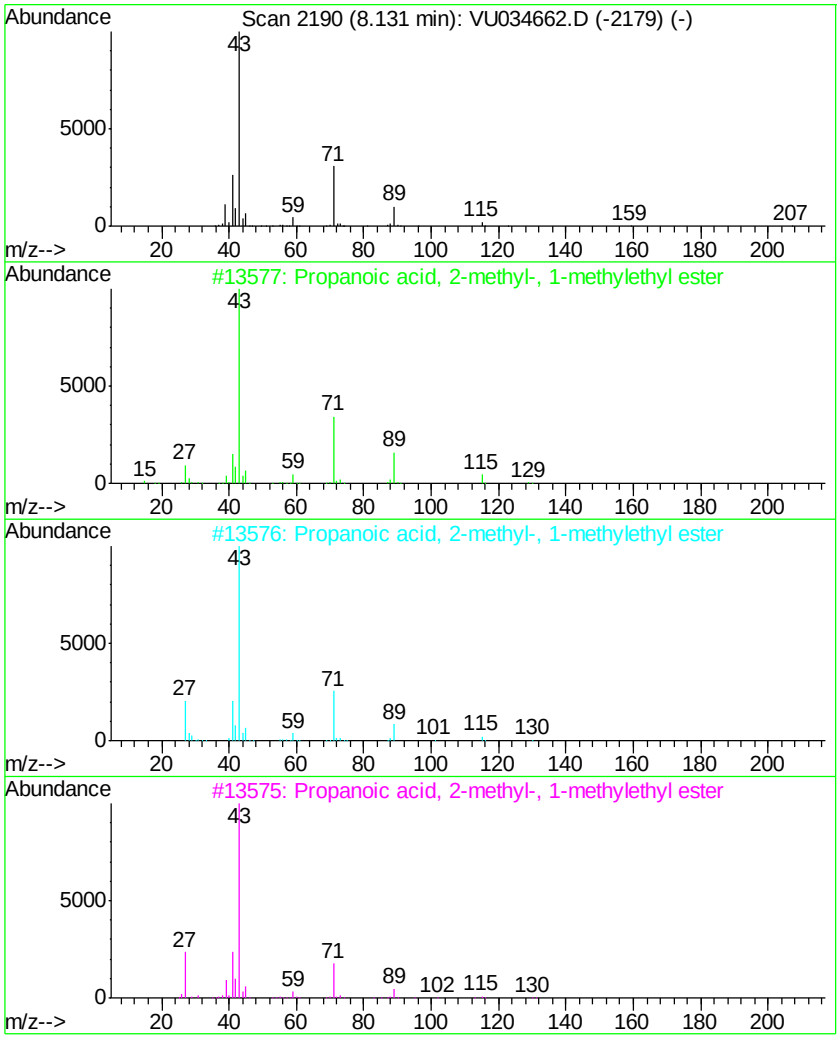
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

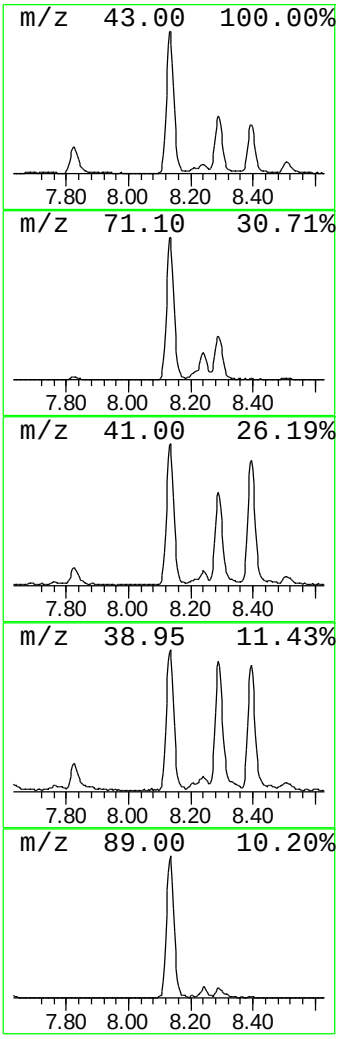
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	24.62 ug/L	821998	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-, 1-met...	130	C7H14O2	000617-50-5	59
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	38
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

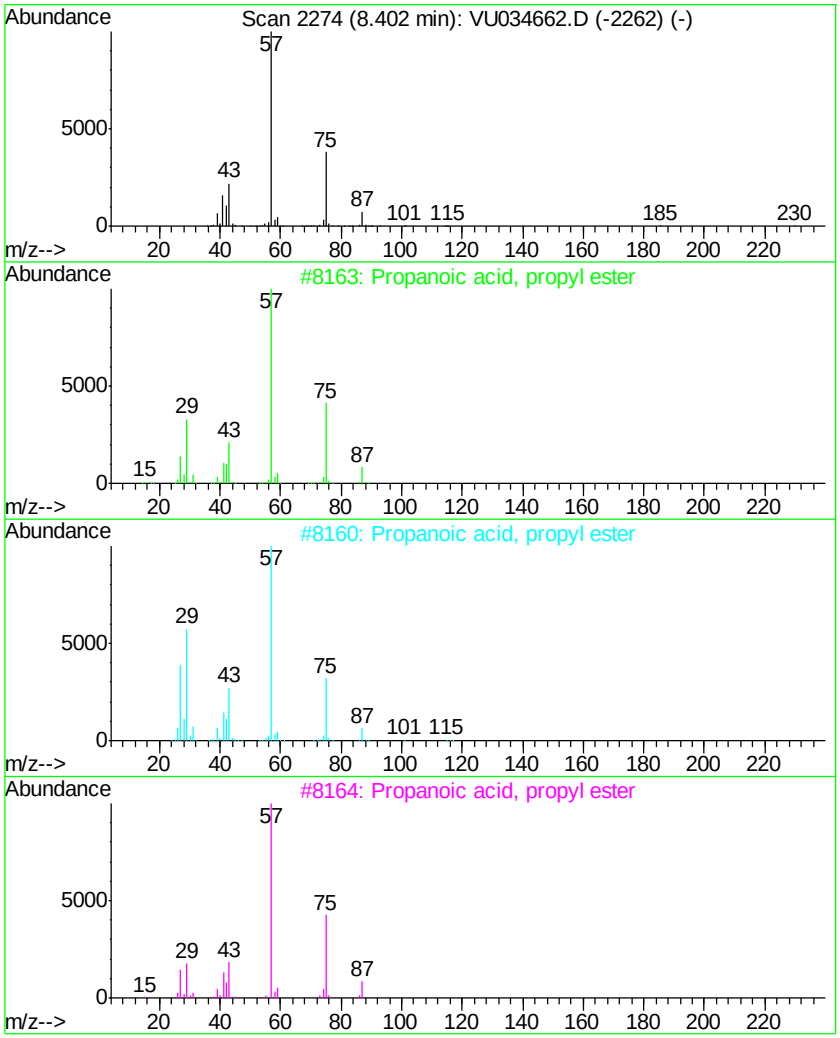
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

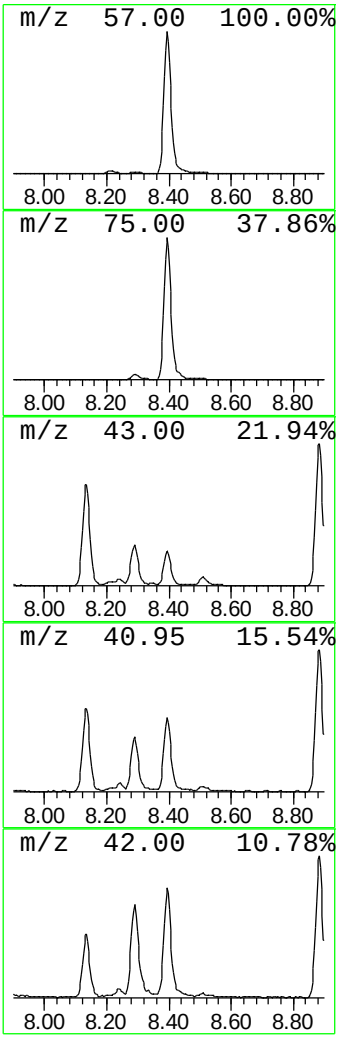
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	37.76 ug/L	1260950	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	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

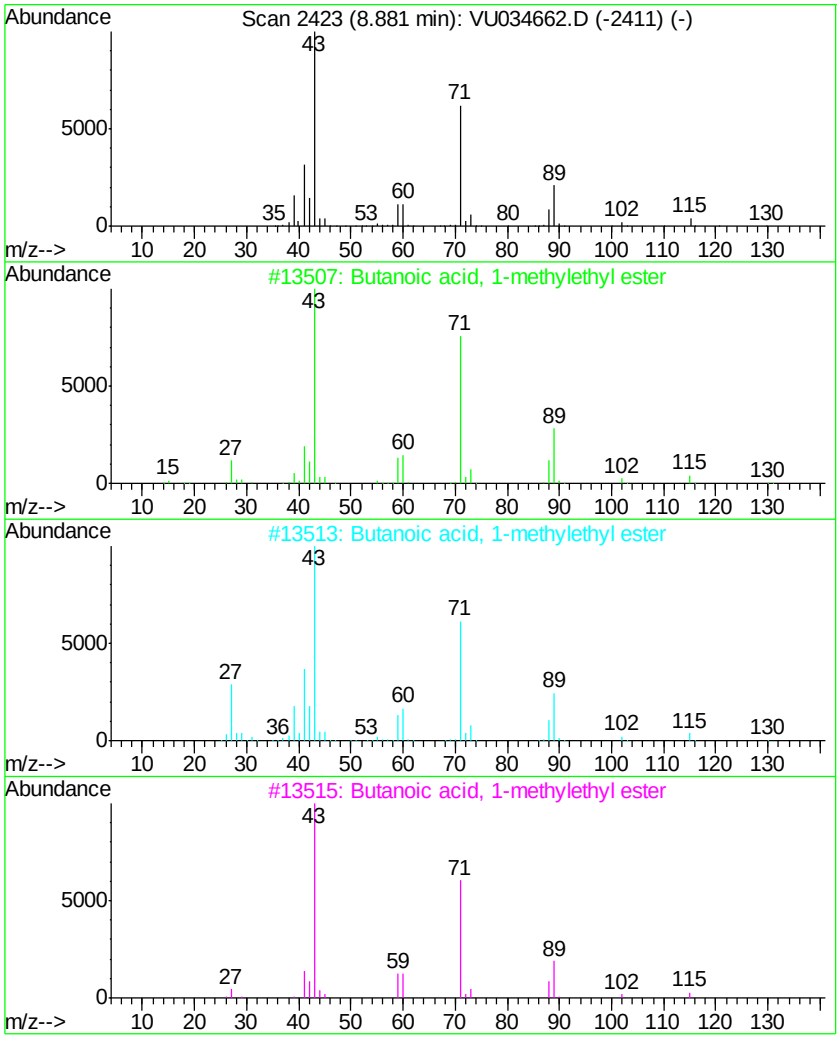
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

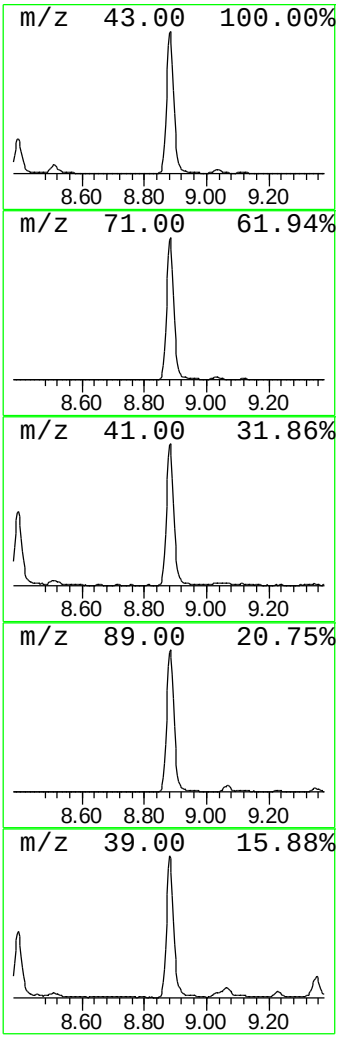
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	48.70 ug/L	1626150	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
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	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





Library Search Compound Report

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Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

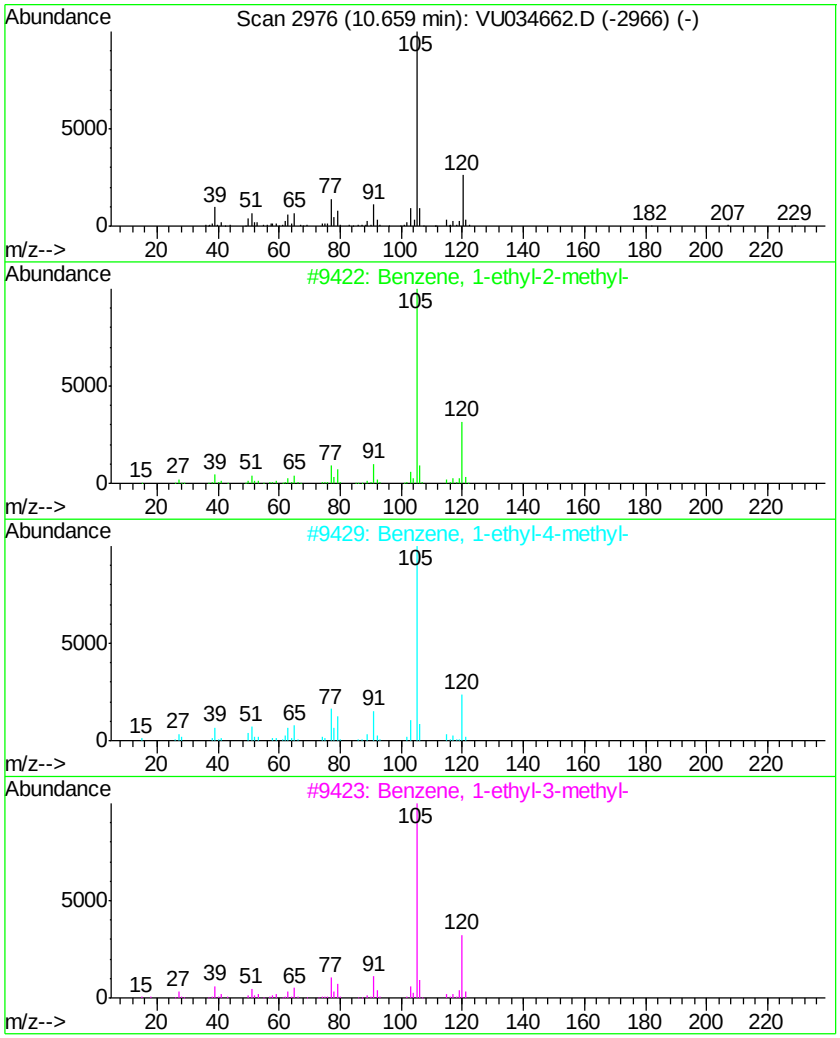
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

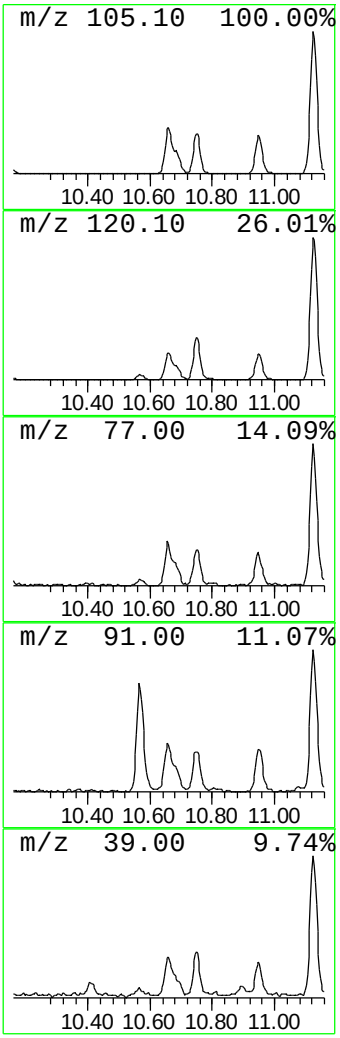
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	7.73 ug/L	231611	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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

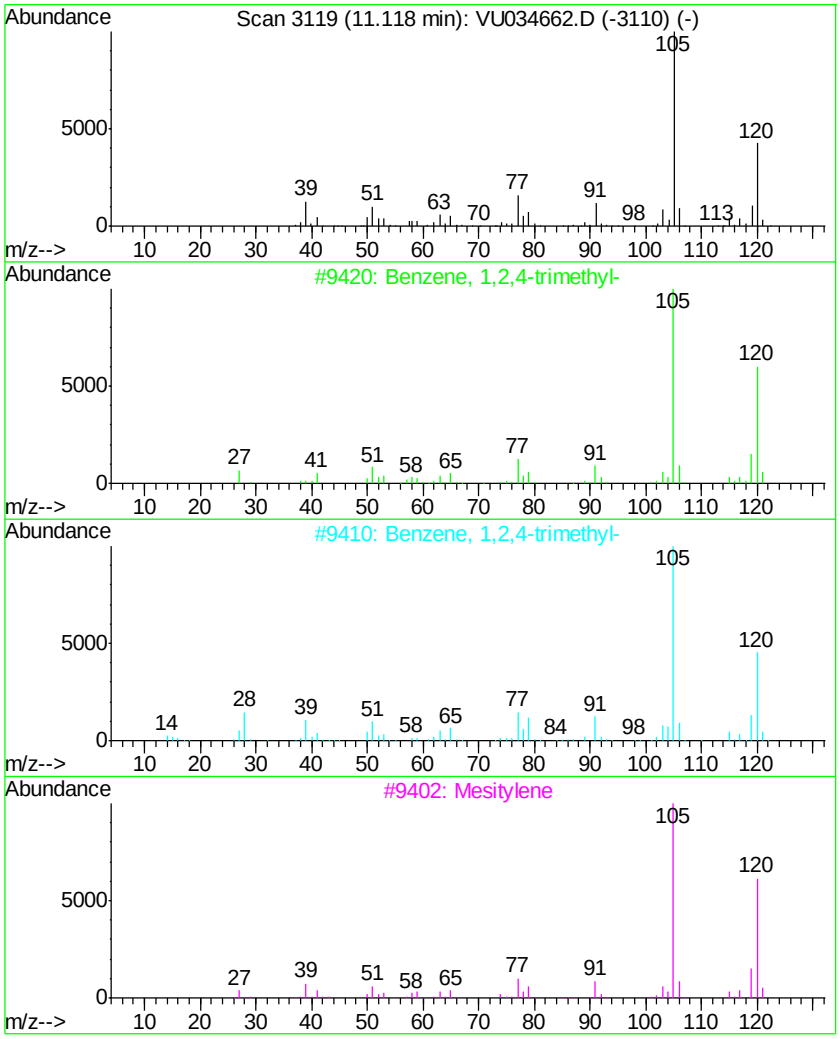
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

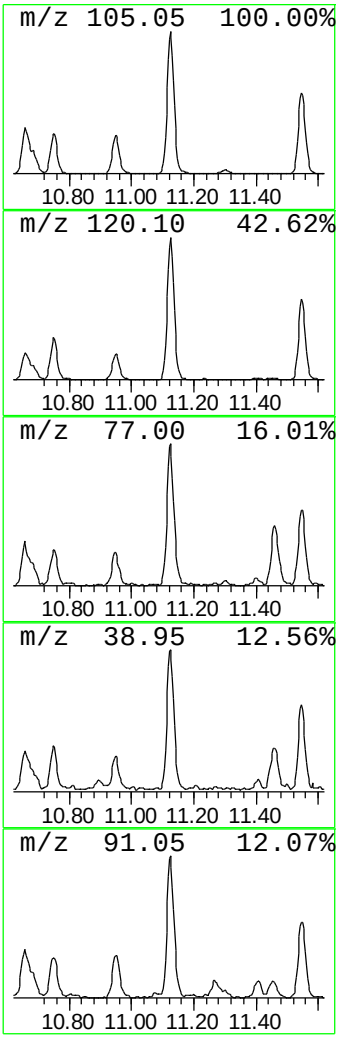
****

Peak Number 11 Benzene, 1,2,4-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	19.41 ug/L	581390	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

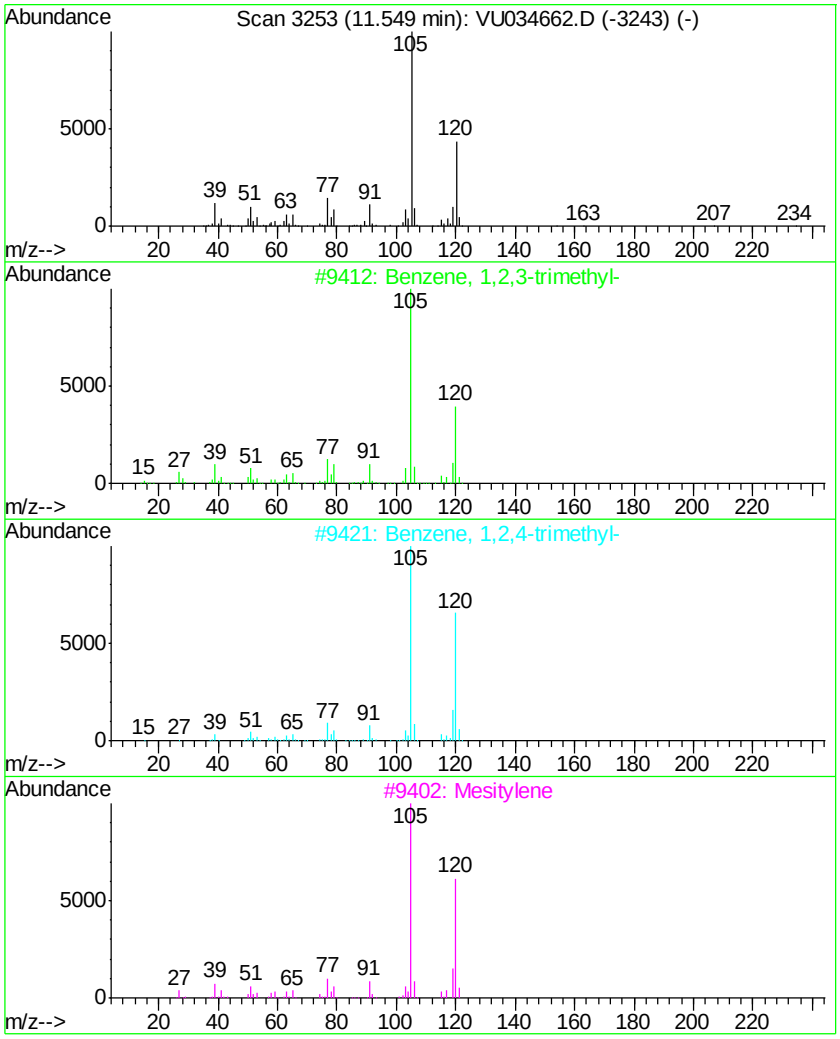
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

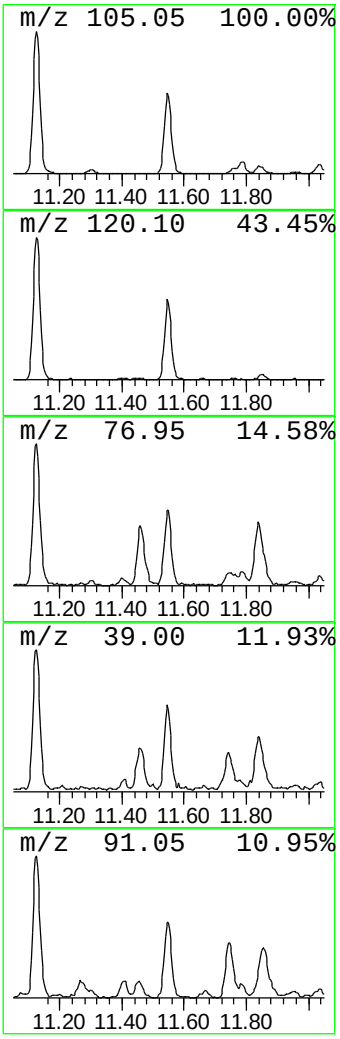
****

Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	11.32 ug/L	338954	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	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

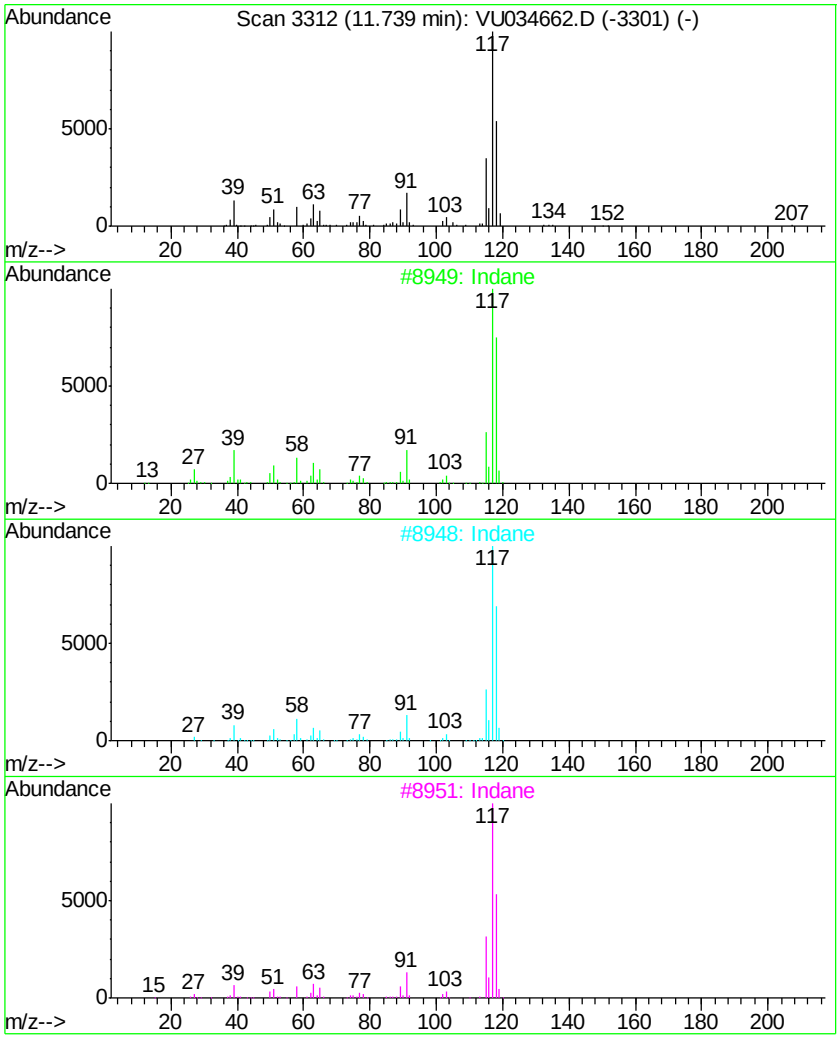
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

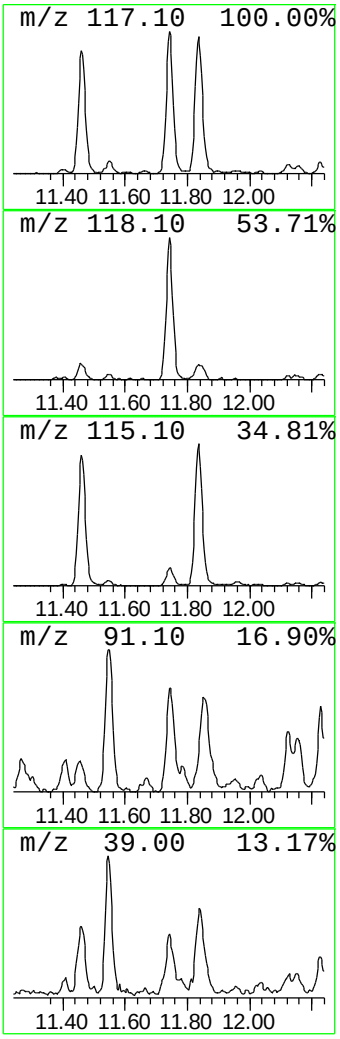
****

Peak Number 13 Indane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	6.49 ug/L	194257	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	93
4	Indane	118	C9H10	000496-11-7	90
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

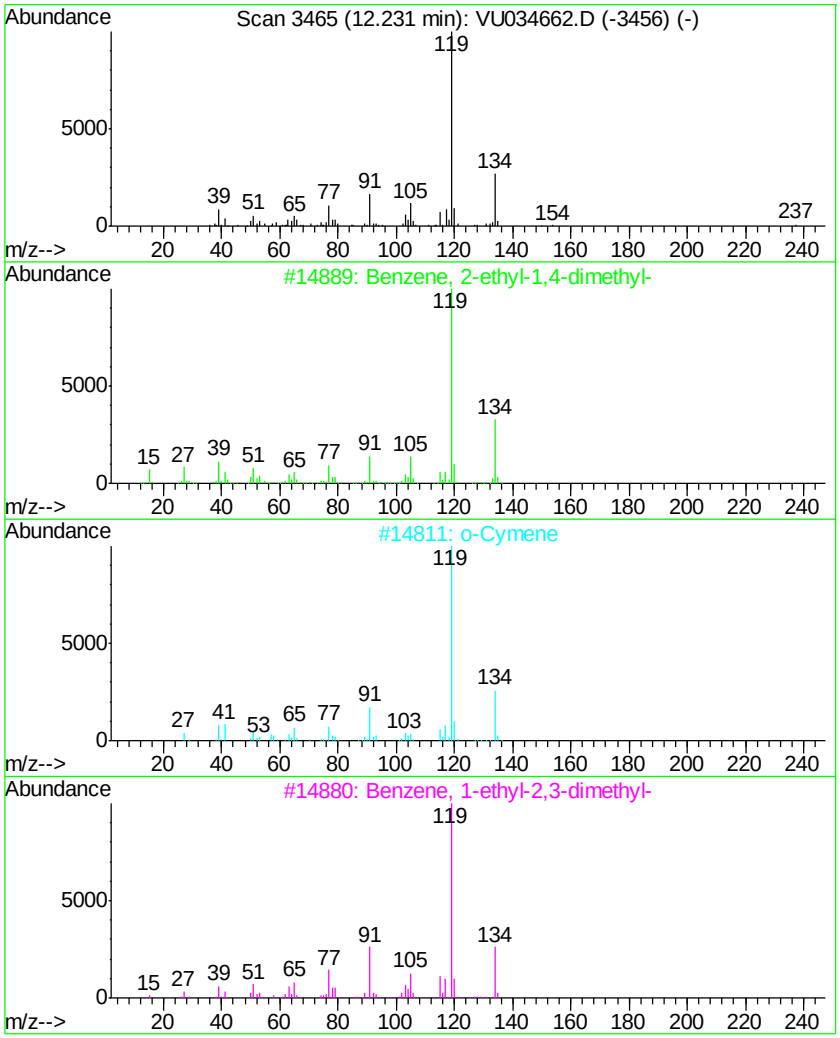
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

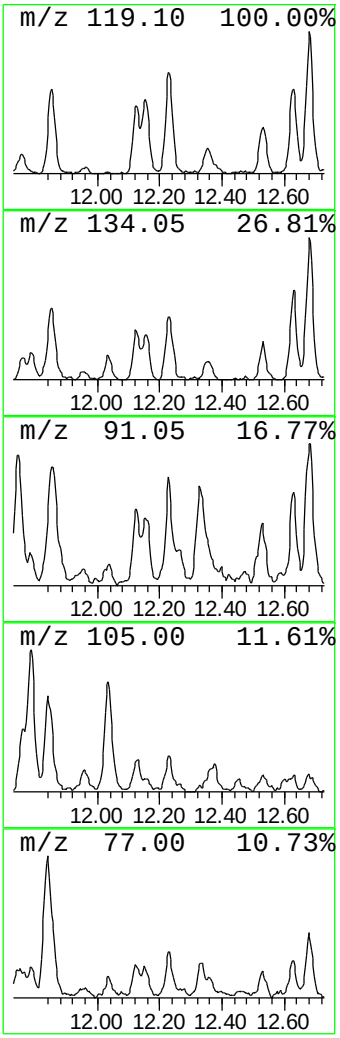
****

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.54 ug/L	106105	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





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Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

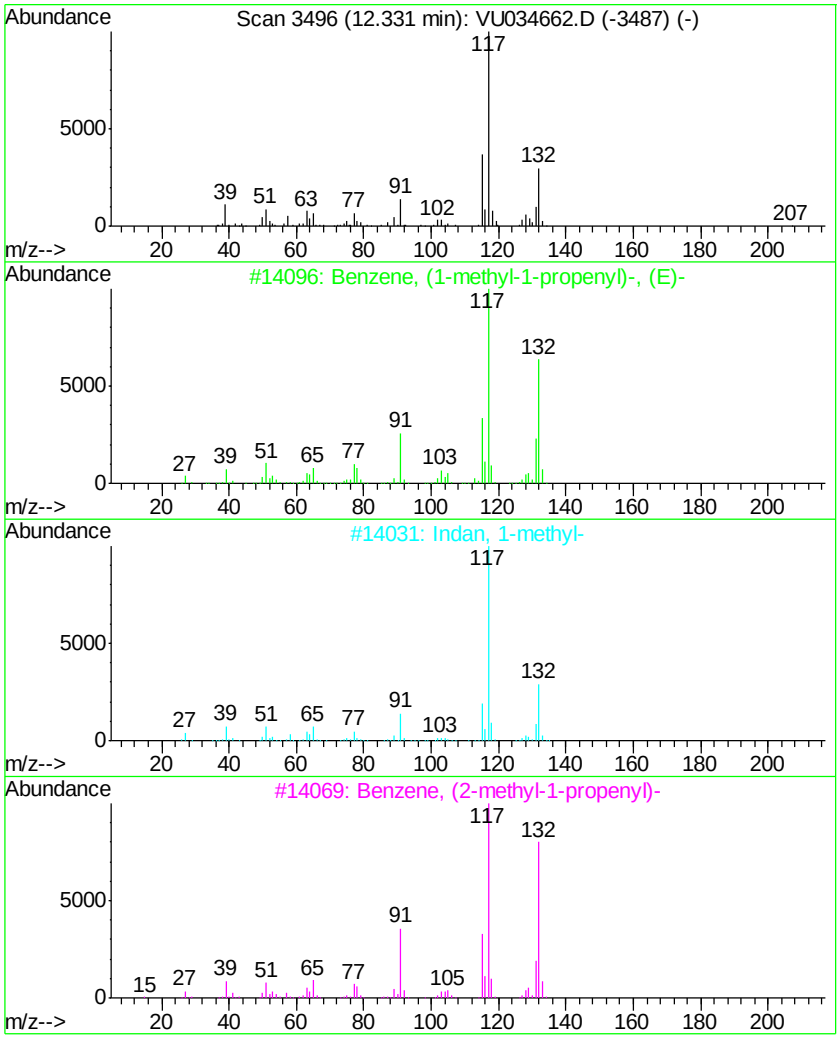
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

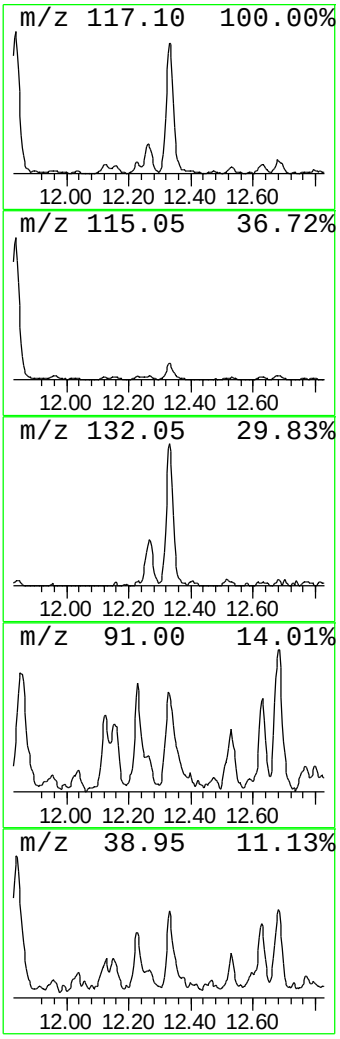
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.82 ug/L	174240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





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Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

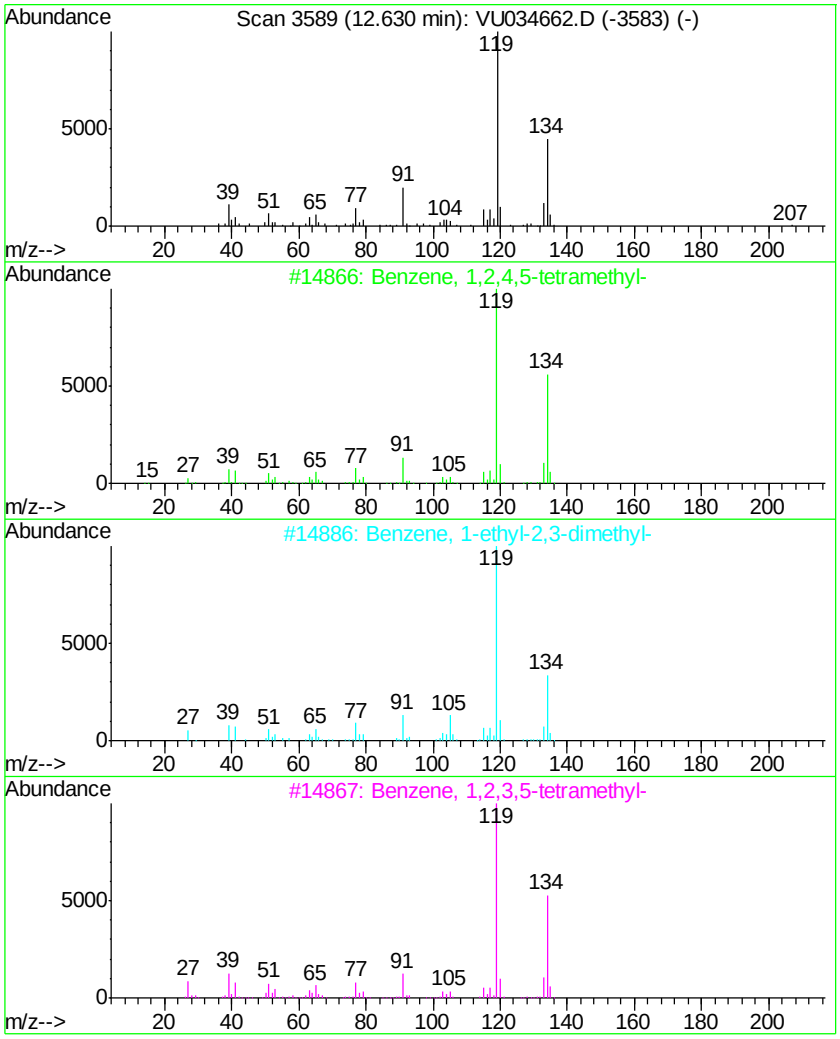
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

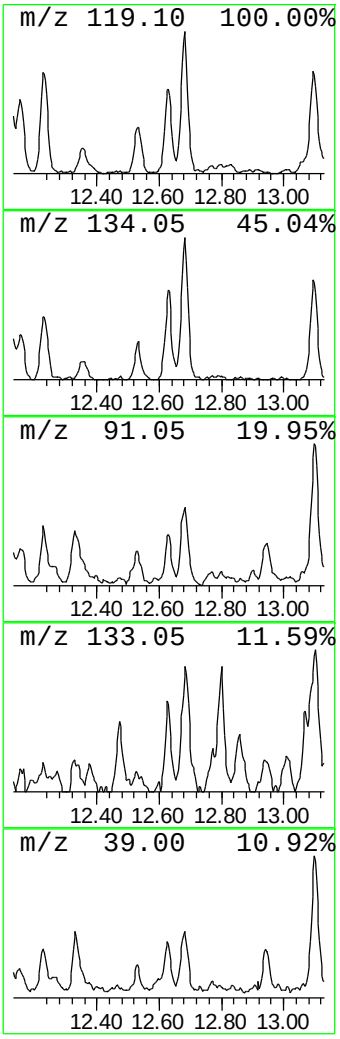
****

Peak Number 16 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.15 ug/L	94332	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	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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

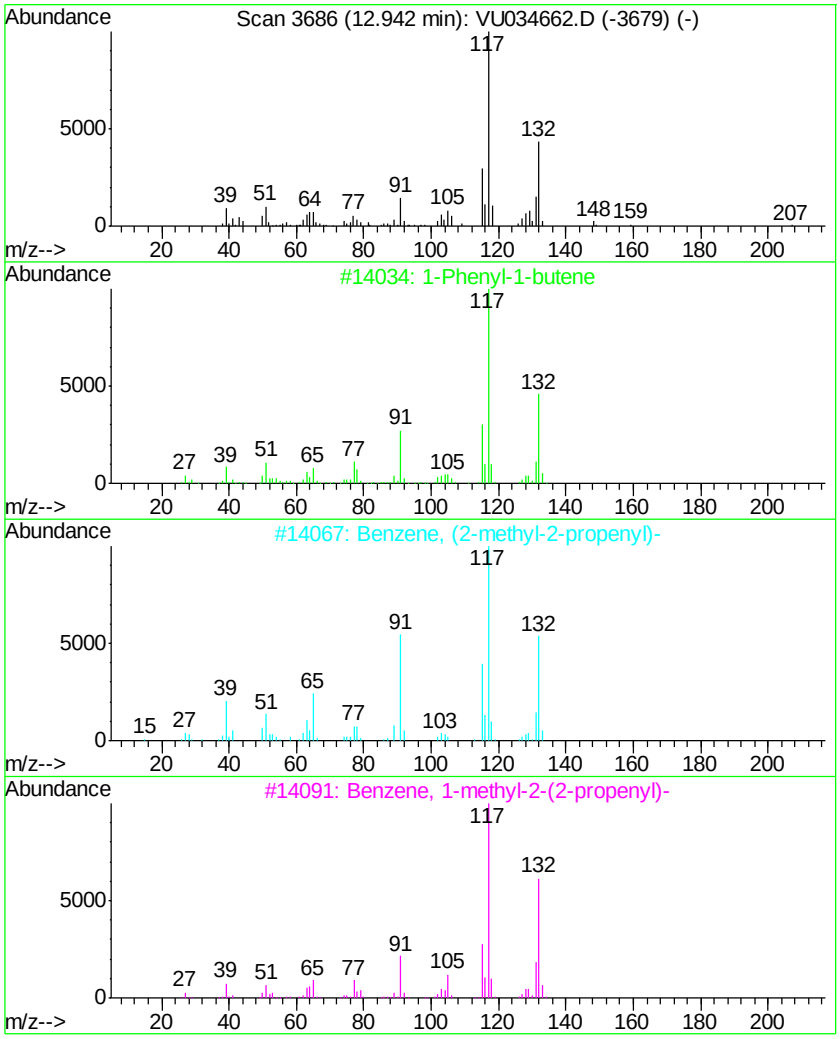
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

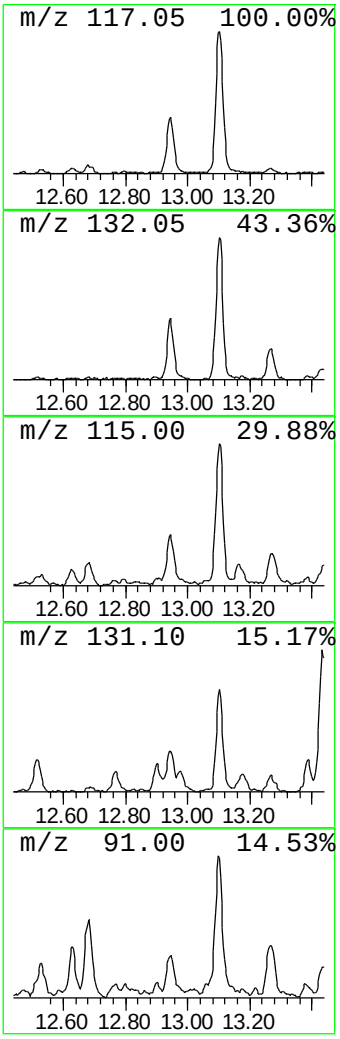
****

Peak Number 18 1-Phenyl-1-butene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.98 ug/L	119332	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	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

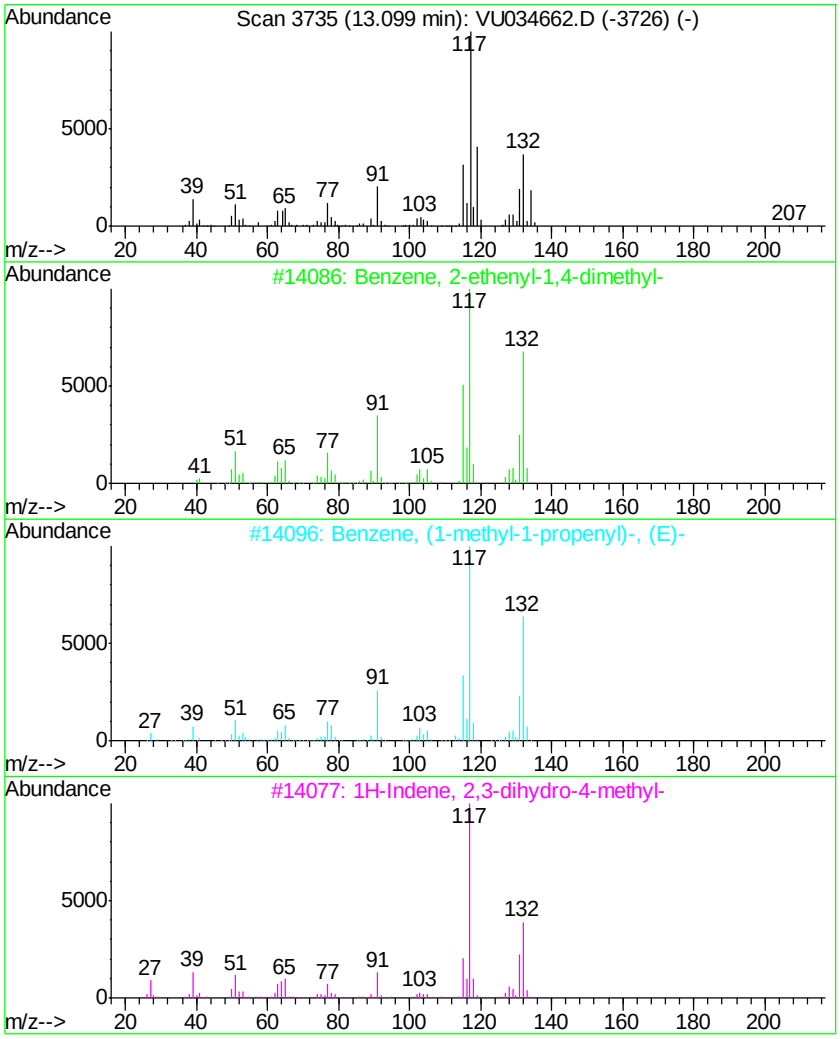
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

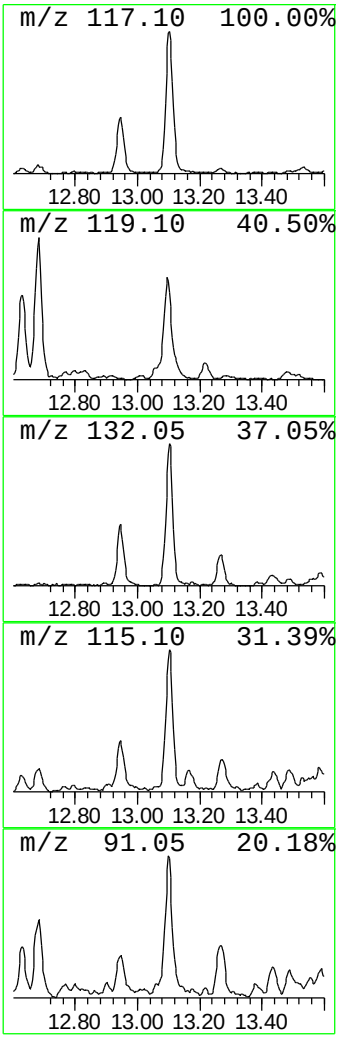
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	11.67 ug/L	349662	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	90
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

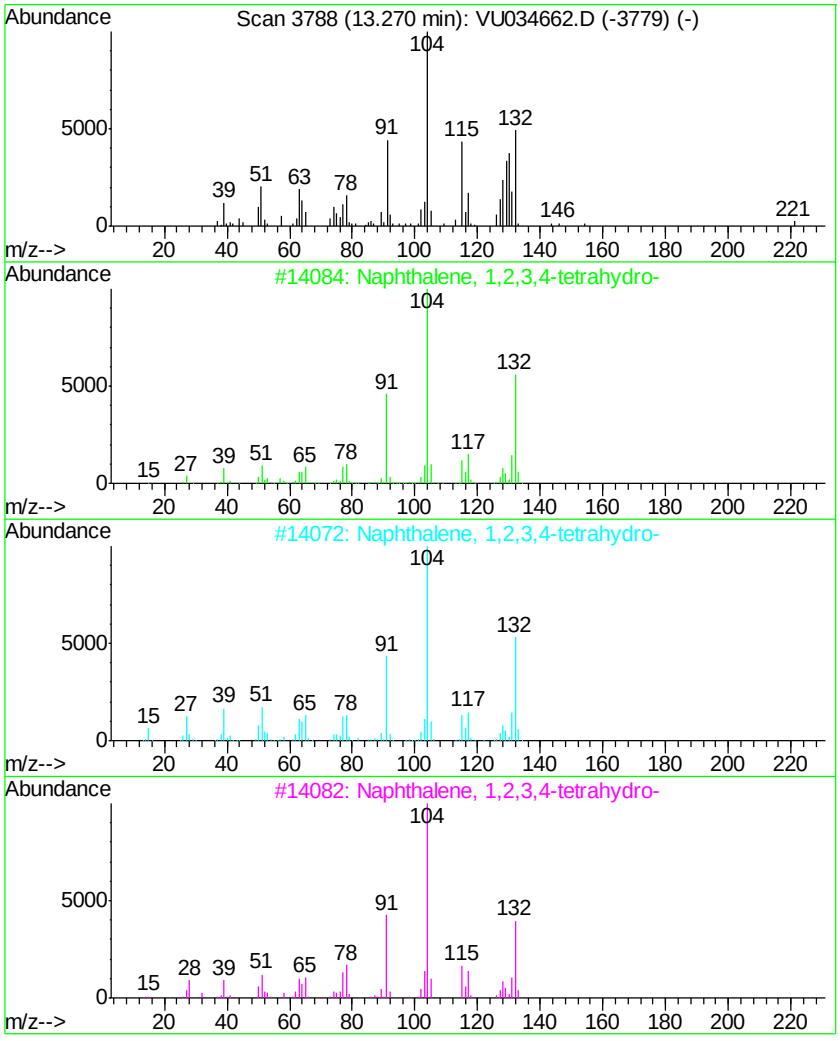
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

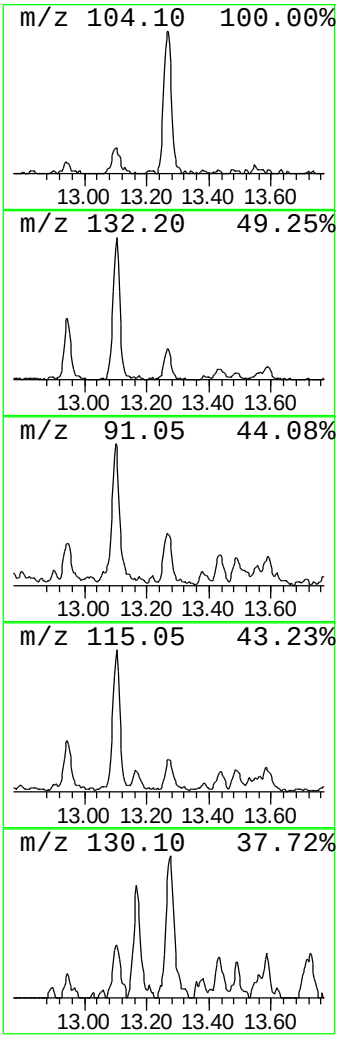
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.11 ug/L	93113	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
5	Indan, epoxide	132	C9H8O	000768-22-9	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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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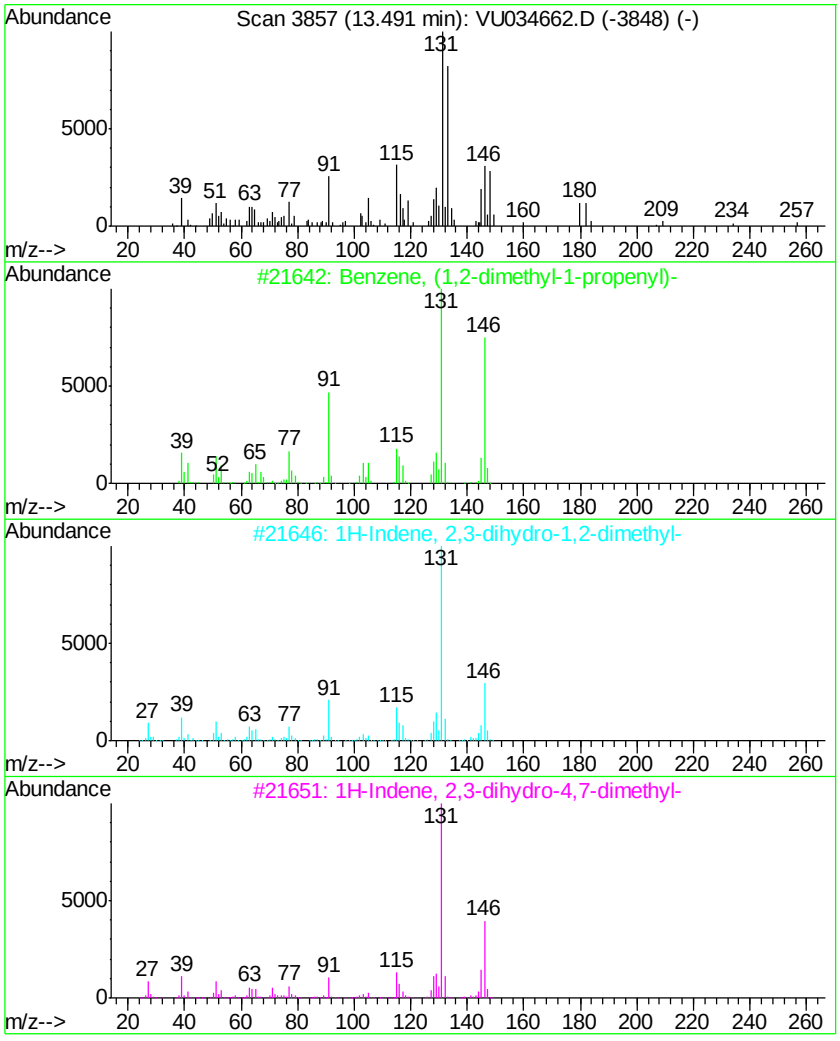
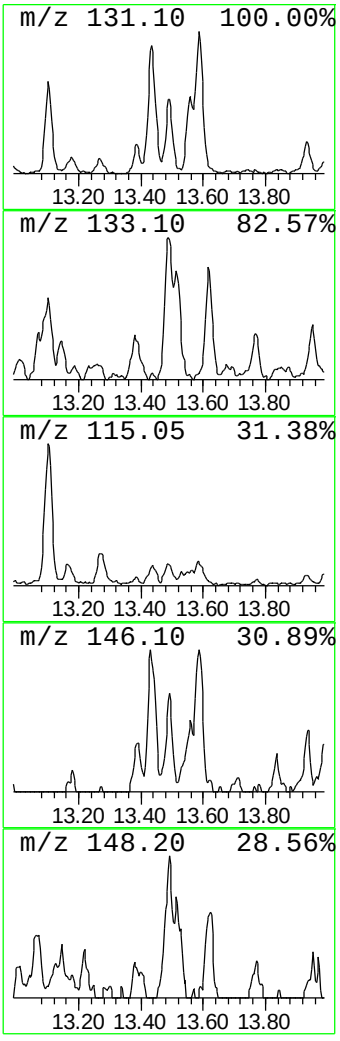
Peak Number 21 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.67 ug/L	79912	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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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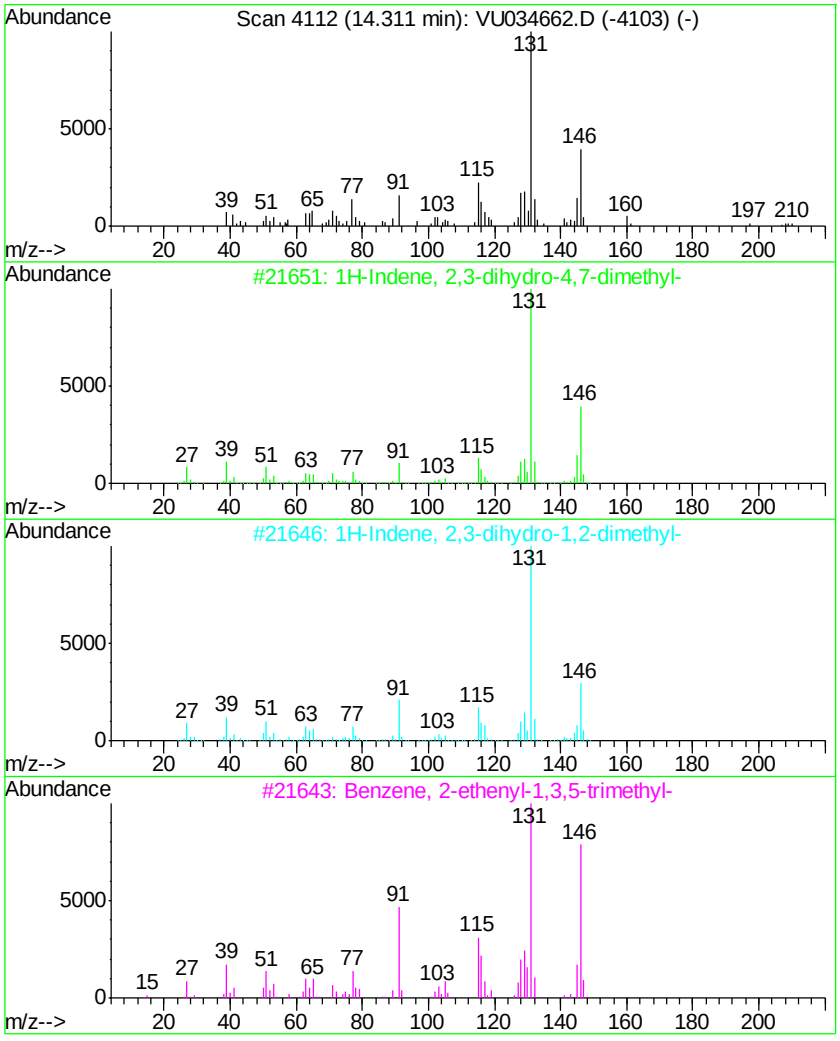
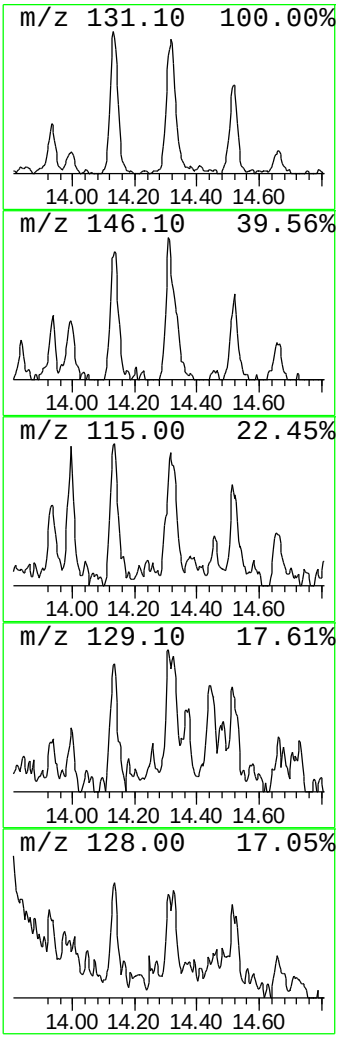
Peak Number 23 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	2.88 ug/L	86286	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	93
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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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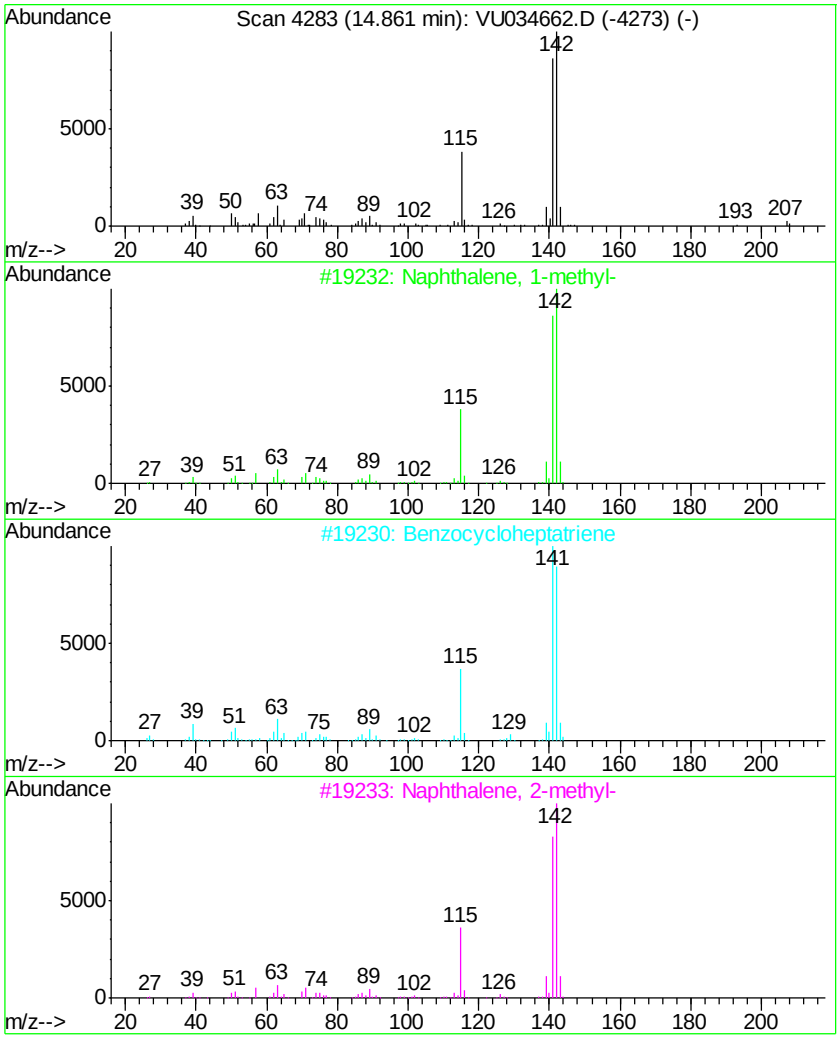
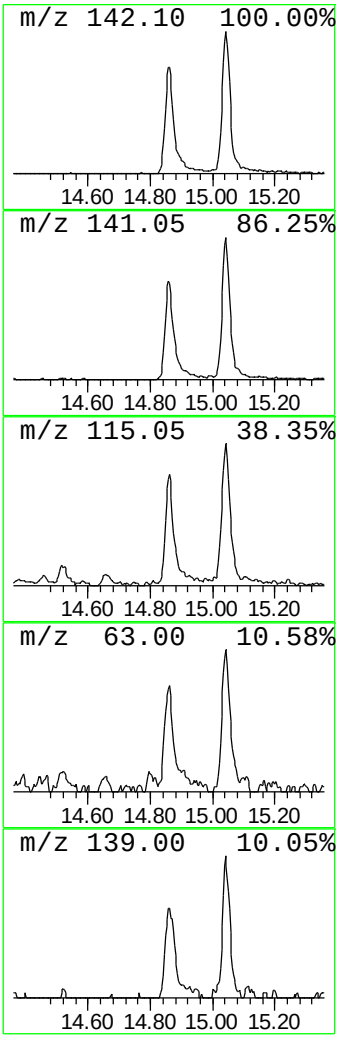
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	5.40 ug/L	161893	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	Benzocycloheptatriene	142	C11H10	000264-09-5	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034662.D
Acq On : 19 Sep 2019 21:26
Operator : JC/SP
Sample : K4895-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH8

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	8.2	ug/L	203114	1	5.86	1241170	50.0
n-Propyl acetate	6.68	157.5	ug/L	3909590	1	5.86	1241170	50.0
Propanoic acid, 1...	7.40	18.2	ug/L	452731	1	5.86	1241170	50.0
Propanoic acid, 2...	8.13	24.6	ug/L	821998	2	9.07	1669510	50.0
Propanoic acid, p...	8.40	37.8	ug/L	1260950	2	9.07	1669510	50.0
Butanoic acid, 1-...	8.88	48.7	ug/L	1626150	2	9.07	1669510	50.0
Benzene, 1-ethyl-...	10.66	7.7	ug/L	231611	3	11.46	1497700	50.0
Benzene, 1,2,4-tr...	11.12	19.4	ug/L	581390	3	11.46	1497700	50.0
Benzene, 1,2,3-tr...	11.55	11.3	ug/L	338954	3	11.46	1497700	50.0
Indane	11.74	6.5	ug/L	194257	3	11.46	1497700	50.0
Benzene, 2-ethyl-...	12.23	3.5	ug/L	106105	3	11.46	1497700	50.0
Benzene, (1-methy...	12.33	5.8	ug/L	174240	3	11.46	1497700	50.0
Benzene, 1,2,4,5-...	12.63	3.1	ug/L	94332	3	11.46	1497700	50.0
1-Phenyl-1-butene	12.94	4.0	ug/L	119332	3	11.46	1497700	50.0
Benzene, 2-etheny...	13.10	11.7	ug/L	349662	3	11.46	1497700	50.0
Naphthalene, 1,2,...	13.27	3.1	ug/L	93113	3	11.46	1497700	50.0
Benzene, (1,2-dim...	13.49	2.7	ug/L	79912	3	11.46	1497700	50.0
1H-Indene, 2,3-di...	14.31	2.9	ug/L	86286	3	11.46	1497700	50.0
Naphthalene, 1-me...	14.86	5.4	ug/L	161893	3	11.46	1497700	50.0