LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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	38	rBV3	14629	19965	0.13%	0.040%
2	1.392	86	94	106	rBV	297479	318367	2.14%	0.641%
3	1.466	109	117	127	rVV	67832	79185	0.53%	0.159%
4	1.544	132	141	151	rVB2	31125	51705	0.35%	0.104%
5	1.672	173	181	195	rVB	249427	320096	2.15%	0.644%
6	2.257	352	363	372	rBV	442569	678146	4.56%	1.365%
7	2.306	372	378	397	rVB	105344	167384	1.13%	0.337%
8	2.682	480	495	526	rBV	8231225	14875223	100.00%	29.937%
9	3.167	634	646	667	rVB4	25139	57944	0.39%	0.117%
10	3.550	752	765	776	rVV4	7746	19061	0.13%	0.038%
11	4.148	940	951	974	rVV	236371	632979	4.26%	1.274%
12	4.241	976	980	1012	rVB	23538	68354	0.46%	0.138%
13	4.621	1080	1098	1121	rBV2	339909	813191	5.47%	1.637%
14	4.965	1191	1205	1221	rVB10	7796	19431	0.13%	0.039%
15	5.315	1290	1314	1341	rBV2	725213	2184003	14.68%	4.395%
16	5.527	1368	1380	1396	rBV	102238	214720	1.44%	0.432%
17	5.865	1465	1485	1500	rBV	571616	1269941	8.54%	2.556%
18	6.309	1608	1623	1641	rBV	500247	1016893	6.84%	2.047%
19	6.402	1644	1652	1671	rVB4	21356	52494	0.35%	0.106%
20	6.518	1680	1688	1693	rBV3	8411	12820	0.09%	0.026%
21	6.563	1694	1702	1705	rVV	19570	30689	0.21%	0.062%
22	6.588	1706	1710	1726	rVB2	31429	52439	0.35%	0.106%
23	6.682	1727	1739	1774	rBV	2304270	4102701	27.58%	8.257%
24	6.833	1781	1786	1797	rVB6	14865	25668	0.17%	0.052%
25	7.206	1890	1902	1925	rVV2	283535	523919	3.52%	1.054%
26	7.399	1951	1962	1986	rVV	270562	486235	3.27%	0.979%
27	7.543	1993	2007	2022	rBV	1018145	1821537	12.25%	3.666%
28	7.617	2023	2030	2044	rVB2	52943	99895	0.67%	0.201%
29	7.826	2083	2095	2116	rBV2	267664	485508	3.26%	0.977%
30	8.135	2177	2191	2206	rBV	460621	771975	5.19%	1.554%
31	8.212	2207	2215	2217	rVV2	30280	40355	0.27%	0.081%
32	8.241	2218	2224	2229	rVV3	60884	94829	0.64%	0.191%
33	8.289	2229	2239	2260	rVV	974066	1720335	11.57%	3.462%
34	8.392	2261	2271	2299	rVV	791853	1346996	9.06%	2.711%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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	8.508	2300	2307	2325	rVB	39919	74087	0.50%	0.149%
36	8.881	2411	2423	2444	rBV	955550	1508256	10.14%	3.035%
37	9.067	2463	2481	2508	rBV	801739	1432965	9.63%	2.884%
38	9.228	2523	2531	2544	rVB	60144	98313	0.66%	0.198%
39	9.354	2554	2570	2585	rBV2	120381	213953	1.44%	0.431%
40	9.479	2600	2609	2617	rVB6	19344	29491	0.20%	0.059%
41	9.588	2633	2643	2655	rBV3	26808	53079	0.36%	0.107%
42	9.672	2660	2669	2681	rVV3	7598	17343	0.12%	0.035%
43	9.752	2681	2694	2716	rVB3	280873	530060	3.56%	1.067%
44	9.929	2739	2749	2757	rBV7	12649	24535	0.16%	0.049%
45	10.016	2767	2776	2785	rVV9	11726	22712	0.15%	0.046%
46	10.077	2788	2795	2804	rVV7	11031	19173	0.13%	0.039%
47	10.144	2804	2816	2828	rVB2	29440	52030	0.35%	0.105%
48	10.299	2851	2864	2874	rBV2	11922	24680	0.17%	0.050%
49	10.408	2886	2898	2915	rBV	692904	1140613	7.67%	2.296%
50	10.569	2933	2948	2960	rBV2	35332	81899	0.55%	0.165%
51	10.659	2968	2976	2979	rBV	48633	60981	0.41%	0.123%
52	10.749	2996	3004	3015	rVB	77586	117558	0.79%	0.237%
53	10.948	3056	3066	3087	rVB	116653	234570	1.58%	0.472%
54	11.054	3087	3099	3109	rBV7	20925	40761	0.27%	0.082%
55	11.125	3110	3121	3133	rBV	326811	506556	3.41%	1.019%
56	11.302	3169	3176	3184	rVB5	18951	28755	0.19%	0.058%
57	11.405	3201	3208	3214	rBV2	20334	30725	0.21%	0.062%
58	11.460	3214	3225	3242	rVV	795450	1286776	8.65%	2.590%
59	11.546	3242	3252	3265	rVB	249449	380425	2.56%	0.766%
60	11.743	3303	3313	3323	rBV2	163357	289448	1.95%	0.583%
61	11.836	3331	3342	3369	rVB	1012755	1808177	12.16%	3.639%
62	11.958	3372	3380	3393	rVV2	44294	80489	0.54%	0.162%
63	12.032	3397	3403	3416	rVB	23614	40428	0.27%	0.081%
64	12.122	3421	3431	3436	rBV2	49688	78104	0.53%	0.157%
65	12.228	3455	3464	3472	rBV2	95744	143408	0.96%	0.289%
66	12.331	3487	3496	3518	rVB3	91278	184934	1.24%	0.372%
67	12.469	3527	3539	3547	rBV3	12566	27558	0.19%	0.055%
68	12.527	3549	3557	3569	rVV3	43158	77889	0.52%	0.157%
69	12.591	3571	3577	3579	rVV4	17915	22554	0.15%	0.045%
70	12.630	3582	3589	3597	rVV	73260	117725	0.79%	0.237%
71	12.681	3597	3605	3618	rVB	111738	180864	1.22%	0.364%

LSC Area Percent Report

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Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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	12.832	3646	3652	3656	rBV7	10030	12886	0.09%	0.026%
73	12.942	3678	3686	3701	rVB	84583	136351	0.92%	0.274%
74	13.099	3725	3735	3746	rVV3	235477	400897	2.70%	0.807%
75	13.164	3749	3755	3765	rVV4	43968	72967	0.49%	0.147%
76	13.270	3778	3788	3802	rVB3	111572	193381	1.30%	0.389%
77	13.379	3813	3822	3831	rVB3	24141	44171	0.30%	0.089%
78	13.437	3831	3840	3849	rBV3	38726	62380	0.42%	0.126%
79	13.488	3849	3856	3862	rBV5	42862	67208	0.45%	0.135%
80	13.556	3872	3877	3881	rBV3	12067	13988	0.09%	0.028%
81	13.588	3881	3887	3894	rVV	31473	41468	0.28%	0.083%
82	13.720	3916	3928	3949	rBV	646536	1107327	7.44%	2.229%
83	13.839	3959	3965	3978	rVB6	18858	31999	0.22%	0.064%
84	13.932	3985	3994	4006	rVV10	20897	47684	0.32%	0.096%
85	13.993	4007	4013	4021	rVB7	14503	23817	0.16%	0.048%
86	14.131	4046	4056	4071	rBV3	35260	71279	0.48%	0.143%
87	14.318	4103	4114	4124	rBV5	44119	96551	0.65%	0.194%
88	14.450	4148	4155	4167	rVB6	25068	48587	0.33%	0.098%
89	14.517	4168	4176	4186	rVB6	36021	63686	0.43%	0.128%
90	14.659	4215	4220	4230	rVB8	16539	26640	0.18%	0.054%
91	14.800	4255	4264	4270	rBV4	14388	23983	0.16%	0.048%
92	14.855	4270	4281	4297	rBV	300837	507829	3.41%	1.022%
93	15.038	4327	4338	4354	rBV	446329	763294	5.13%	1.536%
94	15.784	4562	4570	4576	rBV5	13265	21327	0.14%	0.043%
95	15.903	4599	4607	4623	rVB8	16486	30893	0.21%	0.062%
96	16.041	4640	4650	4657	rBV3	48180	83498	0.56%	0.168%
97	16.077	4658	4661	4673	rVB8	23260	31095	0.21%	0.063%
98	16.241	4706	4712	4718	rBV10	10703	17651	0.12%	0.036%
99	16.411	4760	4765	4773	rVV10	8527	13752	0.09%	0.028%
100	16.720	4851	4861	4873	rBV3	49872	94796	0.64%	0.191%

Sum of corrected areas: 49688242

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
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Acq On : 26 Sep 2019 00:15
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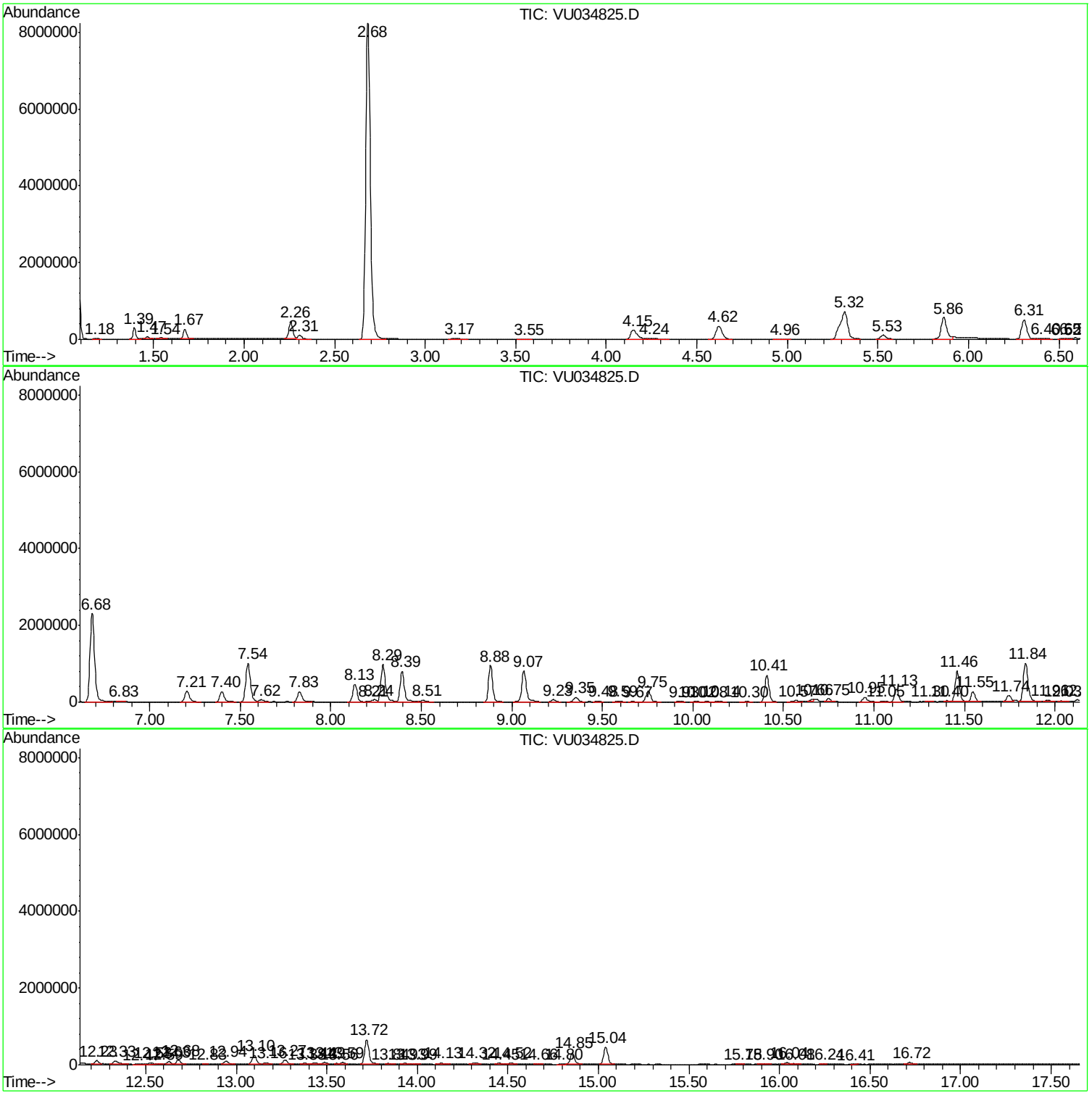
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDJ6

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 : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

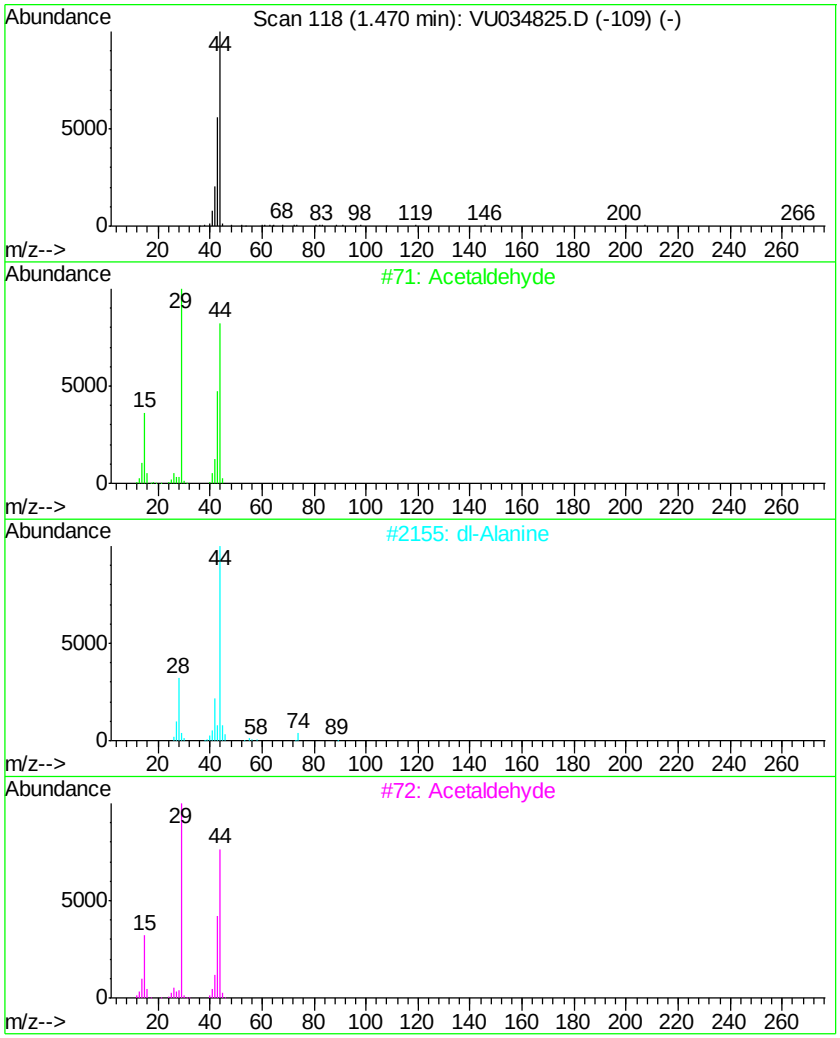
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

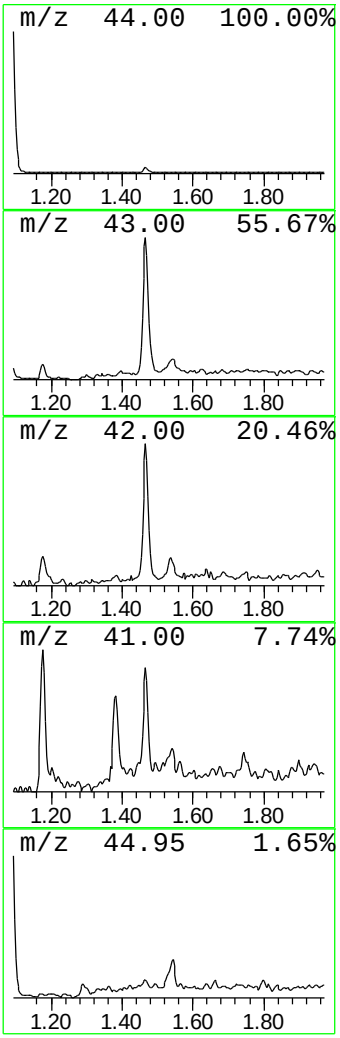
****

Peak Number 1 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.47	3.12 ug/L	79185	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	dl-Alanine	89	C3H7NO2	000302-72-7	9
3	Acetaldehyde	44	C2H4O	000075-07-0	9
4	dl-Alanine	89	C3H7NO2	000302-72-7	7
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

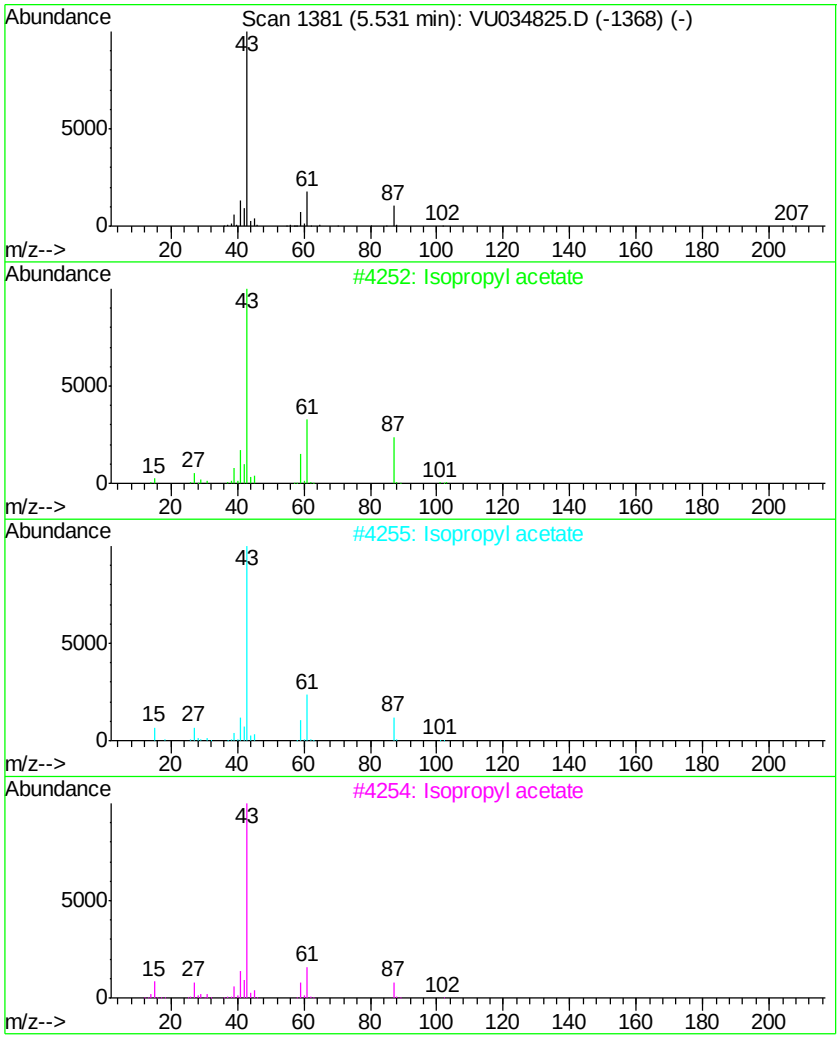
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

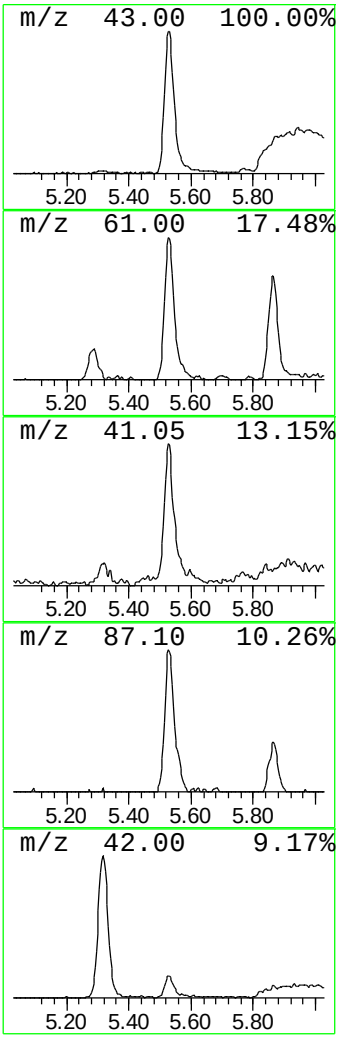
****

Peak Number 2 Isopropyl acetate Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.45 ug/L	214720	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	59
3	Isopropyl acetate	102	C5H10O2	000108-21-4	59
4	Isopropyl acetate	102	C5H10O2	000108-21-4	56
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
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Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

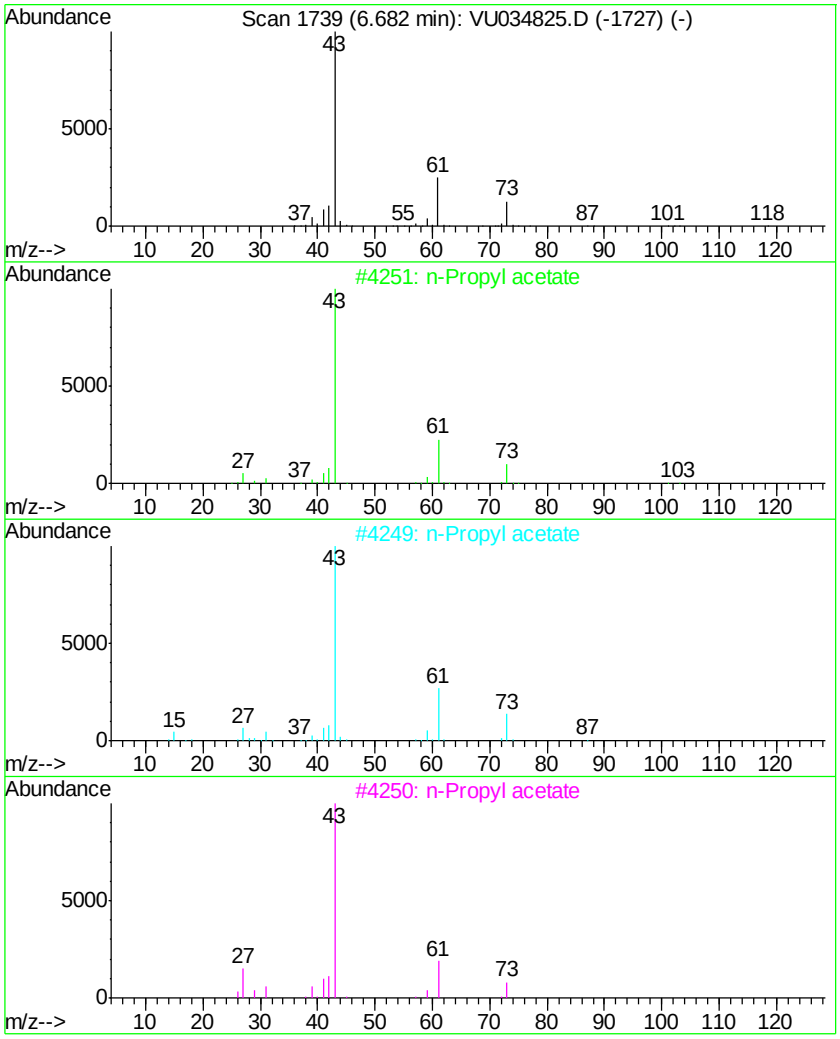
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

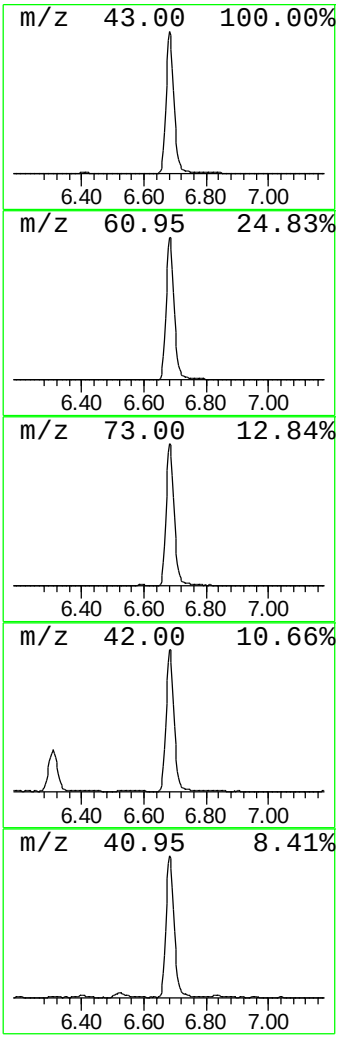
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	161.53 ug/L	4102700	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	9
5	1-Butanamine	73	C4H11N	000109-73-9	7





Library Search Compound Report

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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

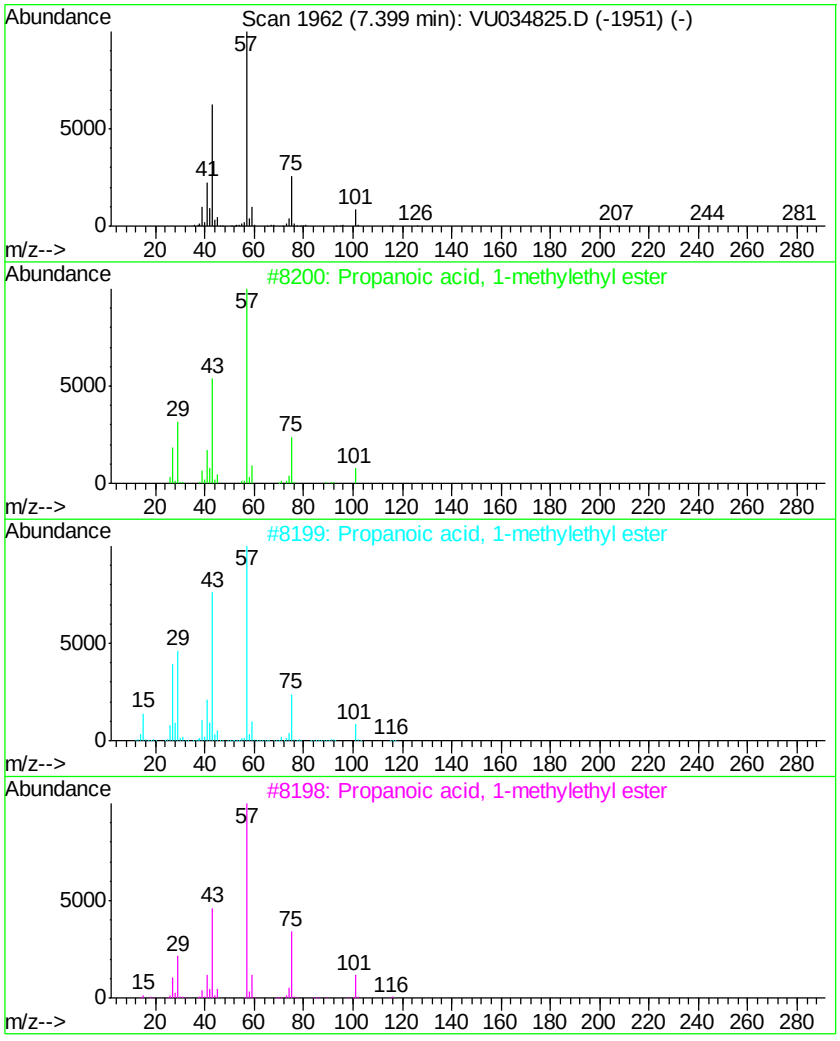
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

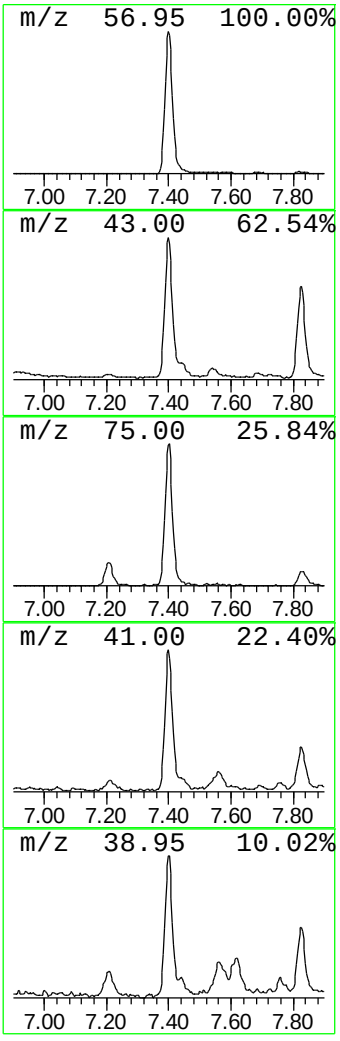
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	19.14 ug/L	486235	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	78
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

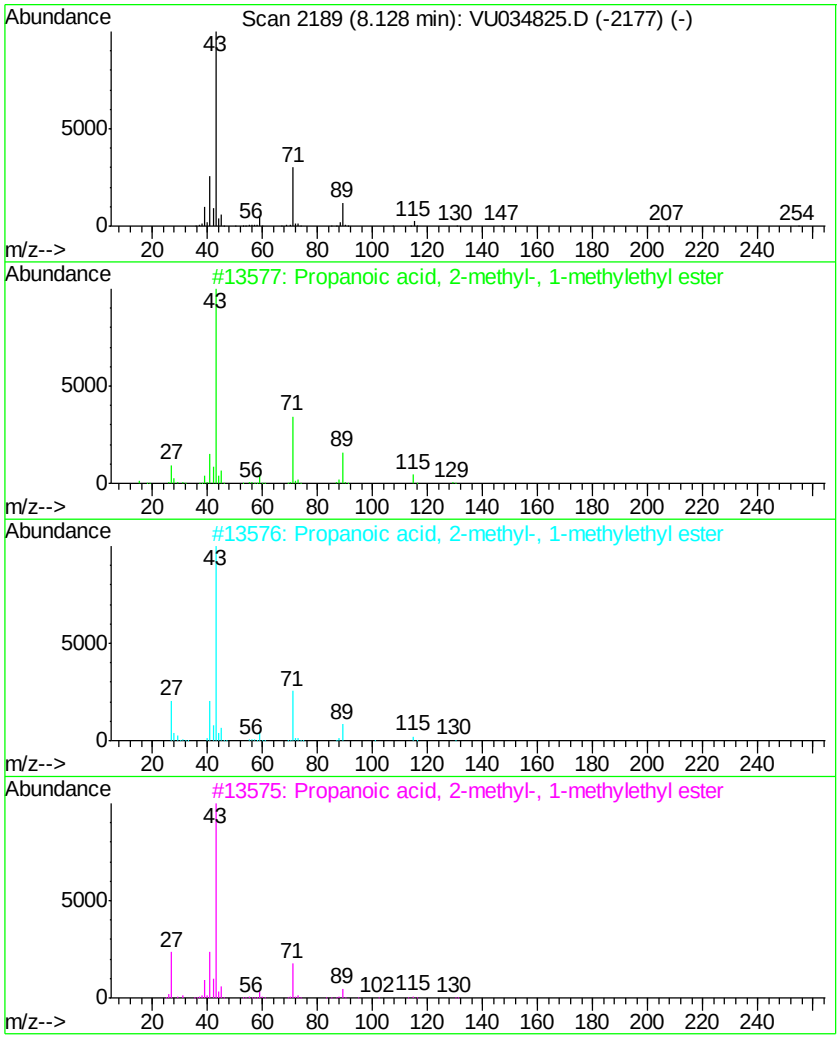
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

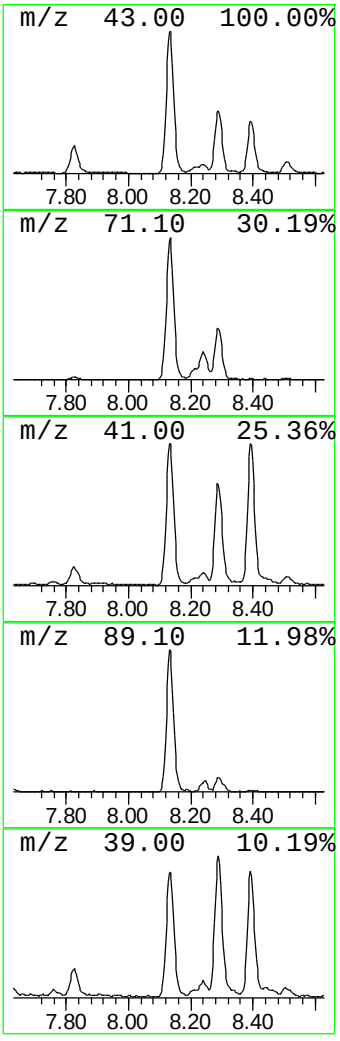
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	26.94 ug/L	771975	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	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	53
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

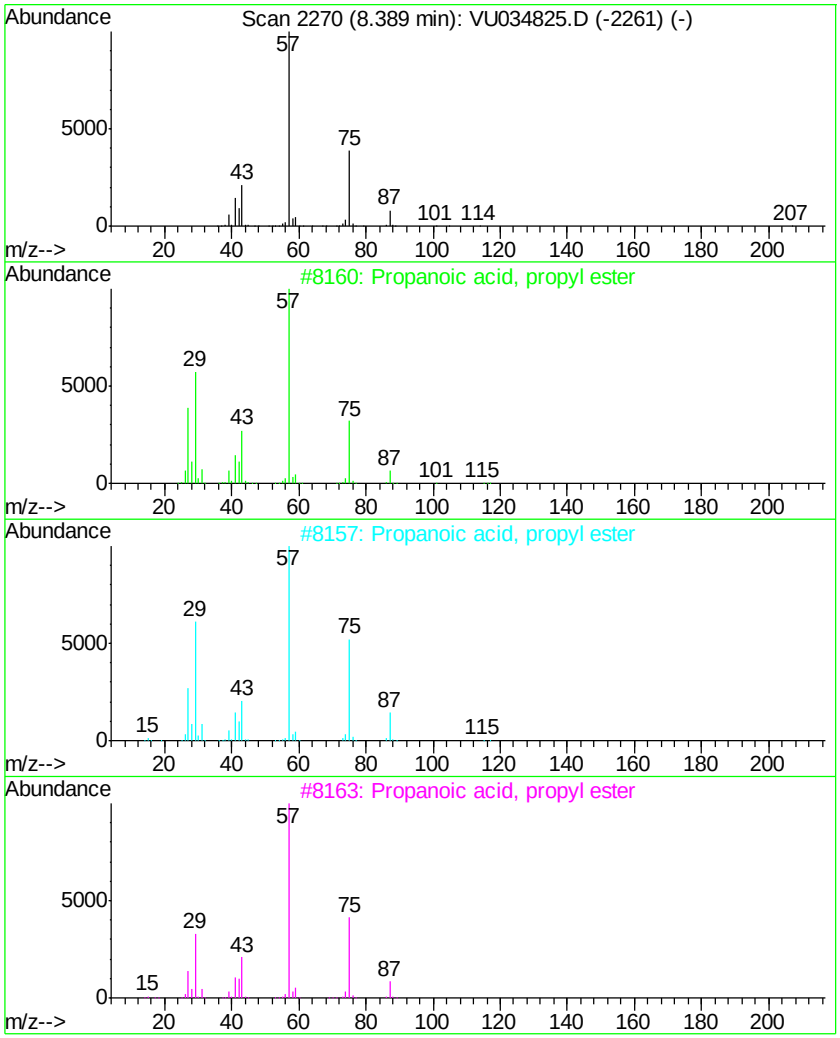
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

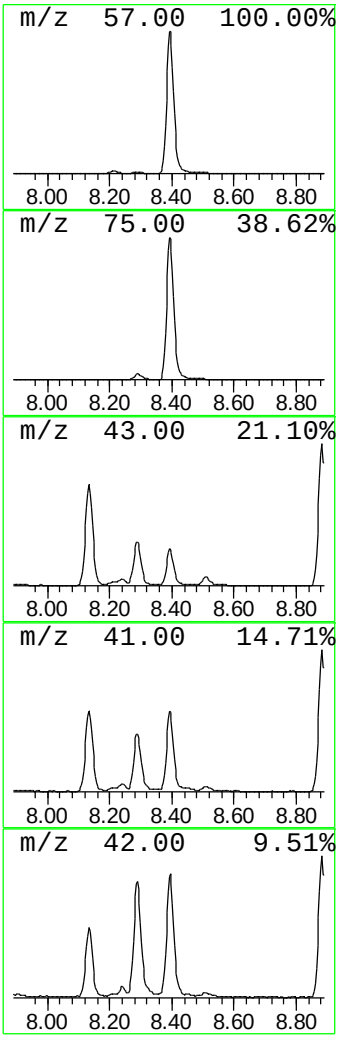
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	47.00 ug/L	1347000	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	78
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	38





Library Search Compound Report

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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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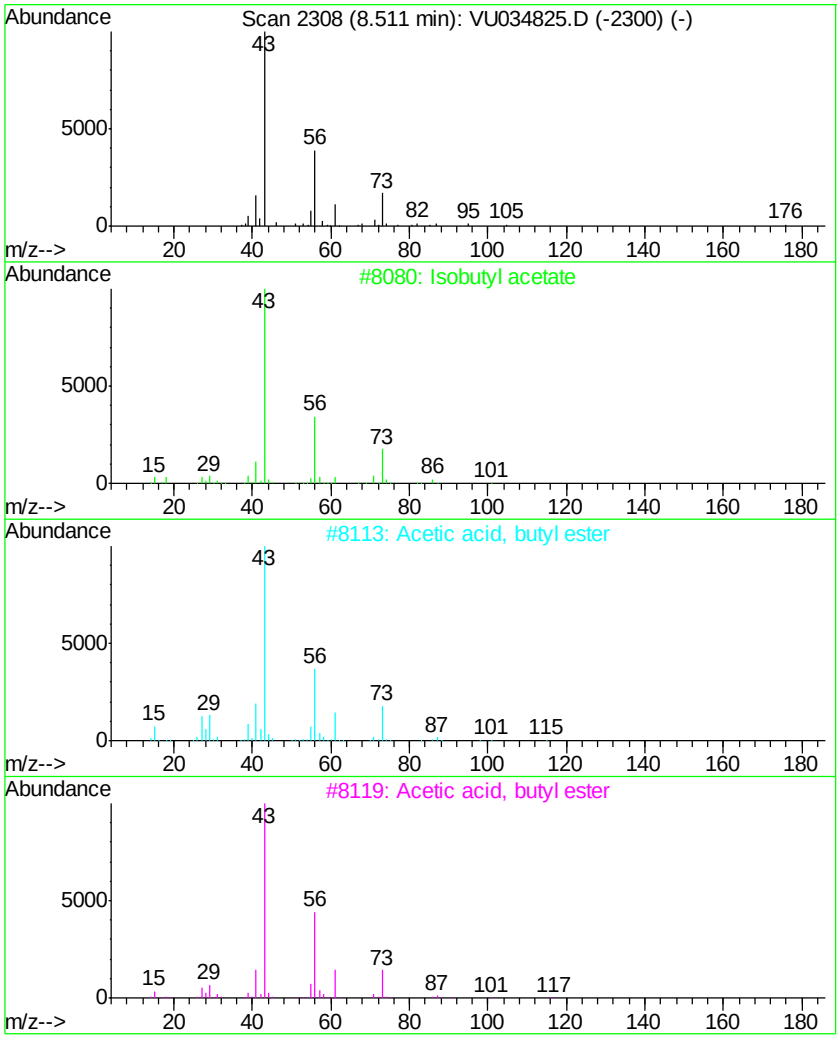
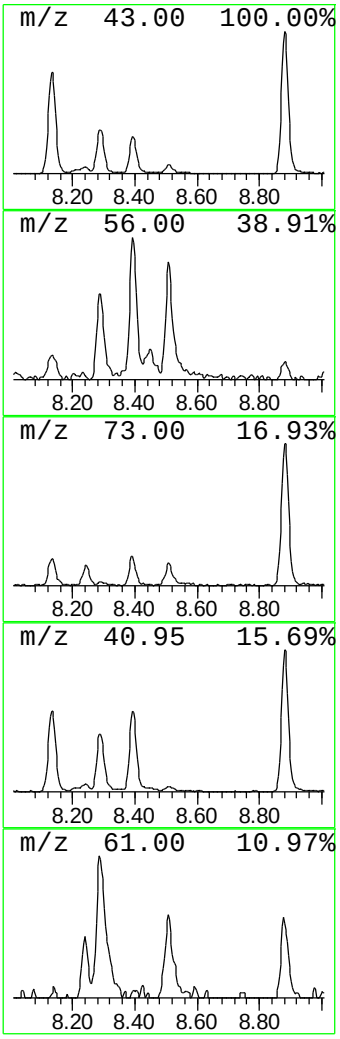
Peak Number 8 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.59 ug/L	74087	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl acetate	116	C6H12O2	000110-19-0	38
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	36
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	9
4	1-Butanol, 4-chloro-, acetate	150	C6H11ClO2	006962-92-1	9
5	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	9





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Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

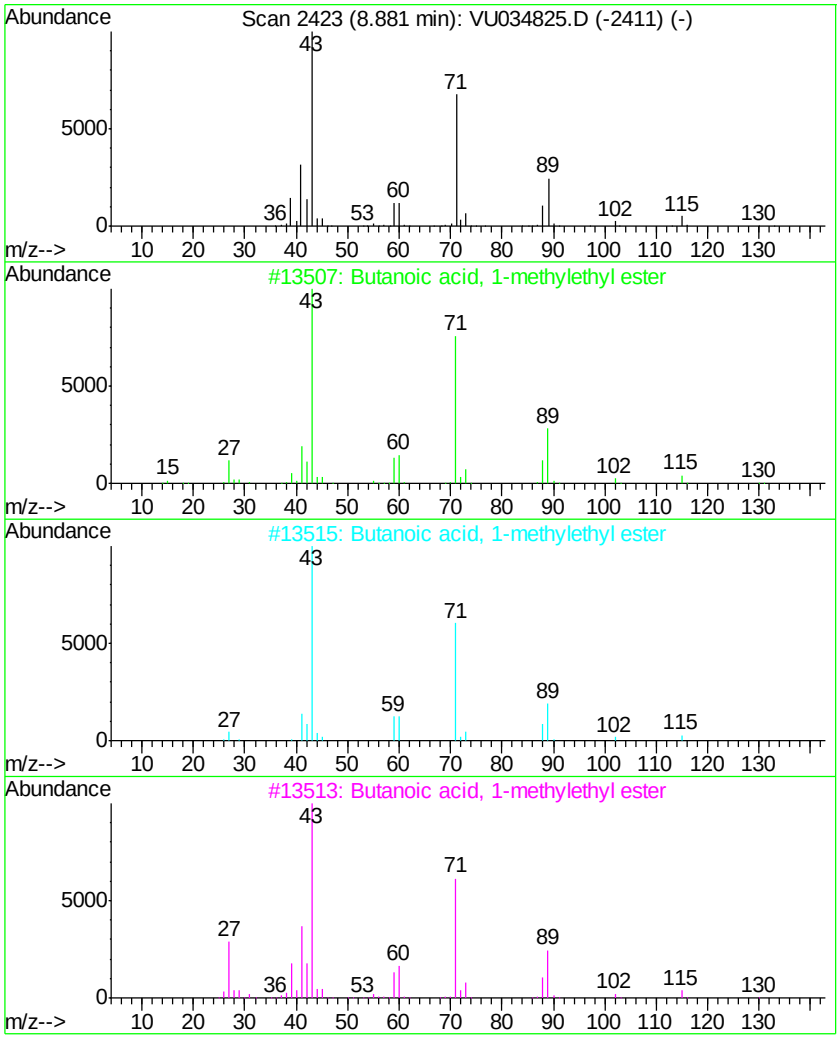
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

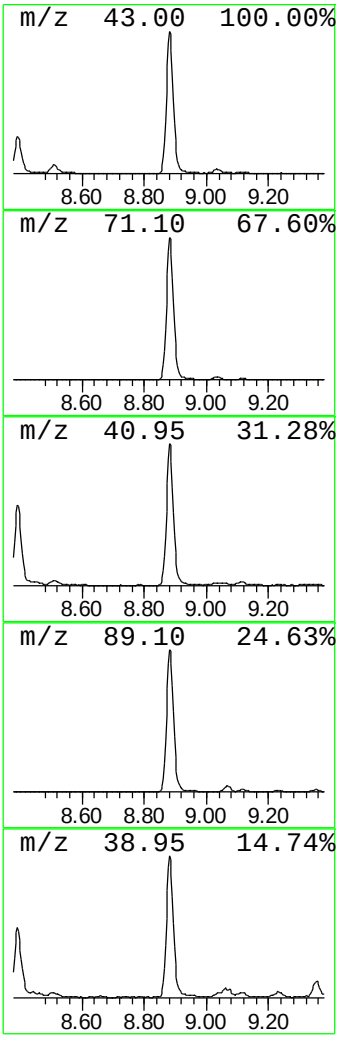
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	52.63 ug/L	1508260	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	95
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

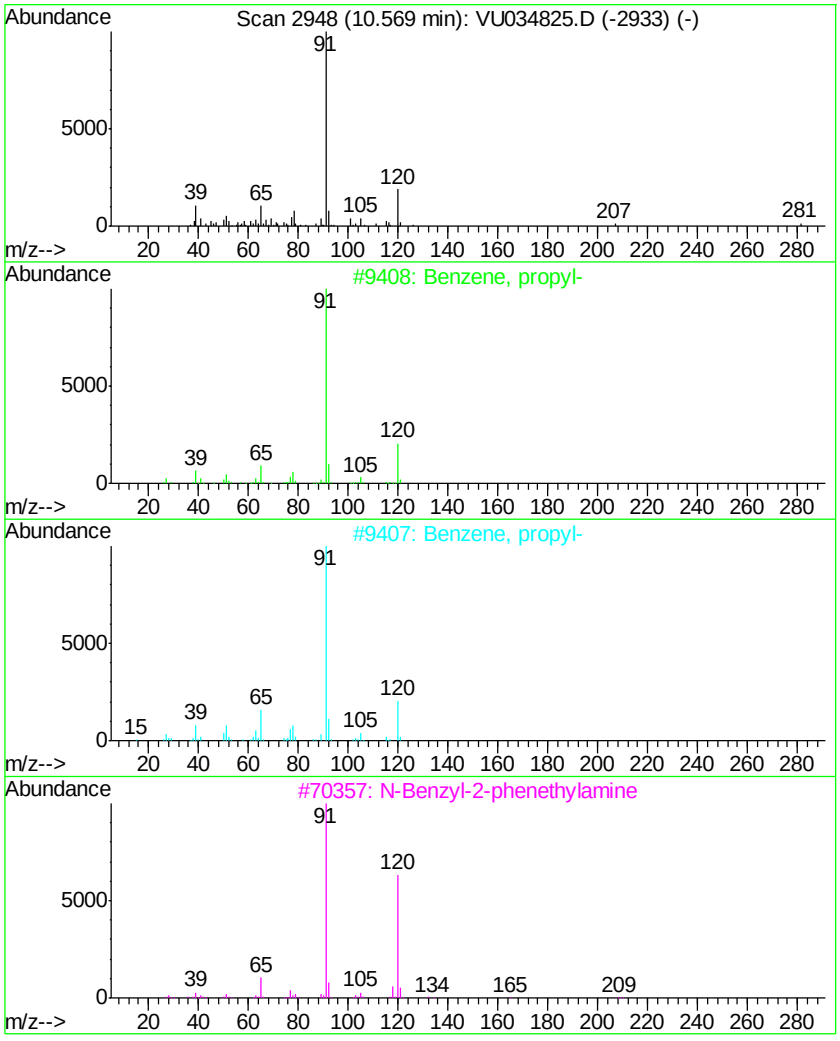
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

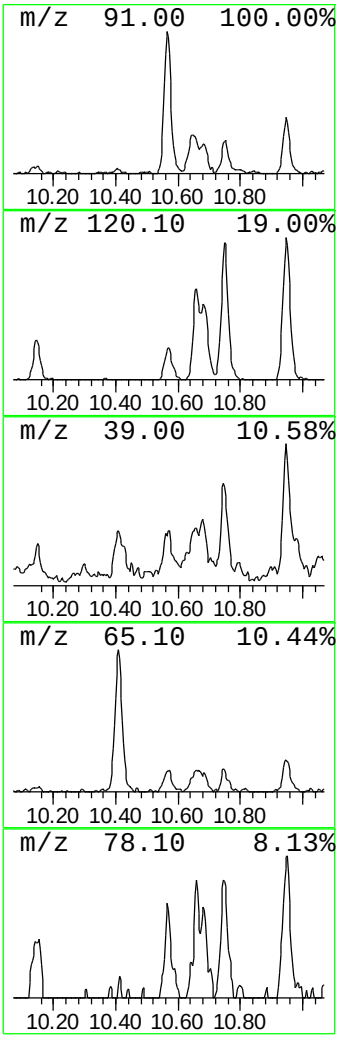
****

Peak Number 10 Benzene, propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.18 ug/L	81899	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	62
2	Benzene, propyl-	120	C9H12	000103-65-1	60
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	59
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	59
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

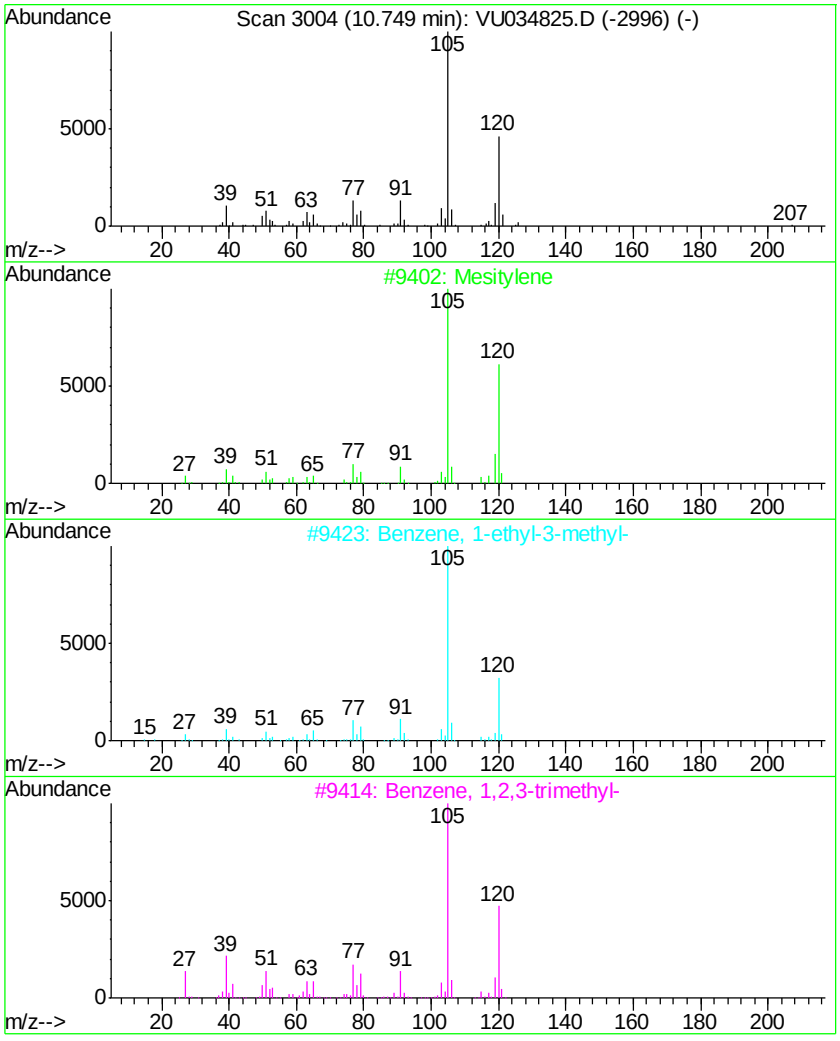
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

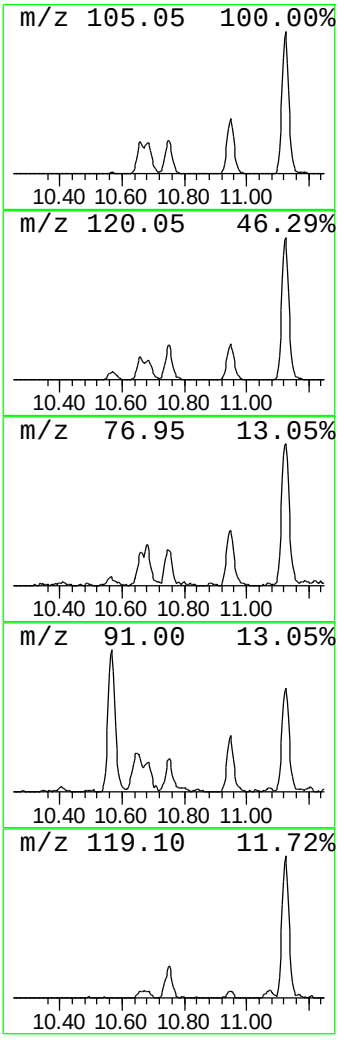
****

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.57 ug/L	117558	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

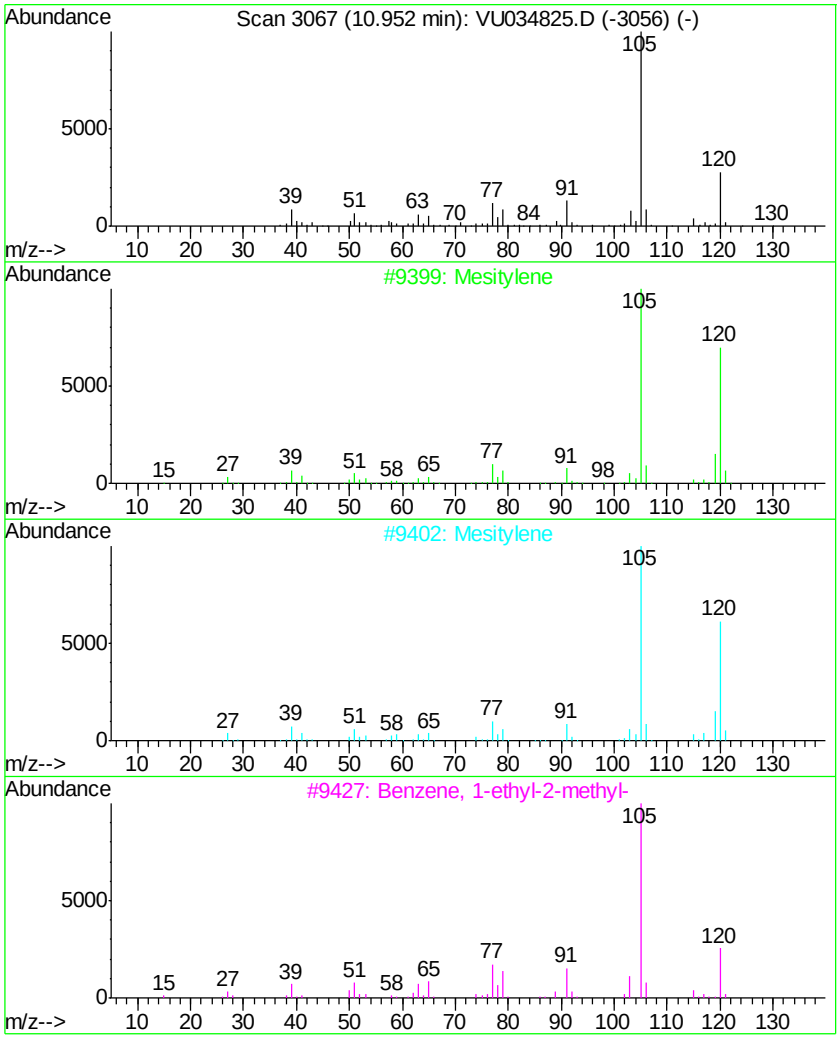
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

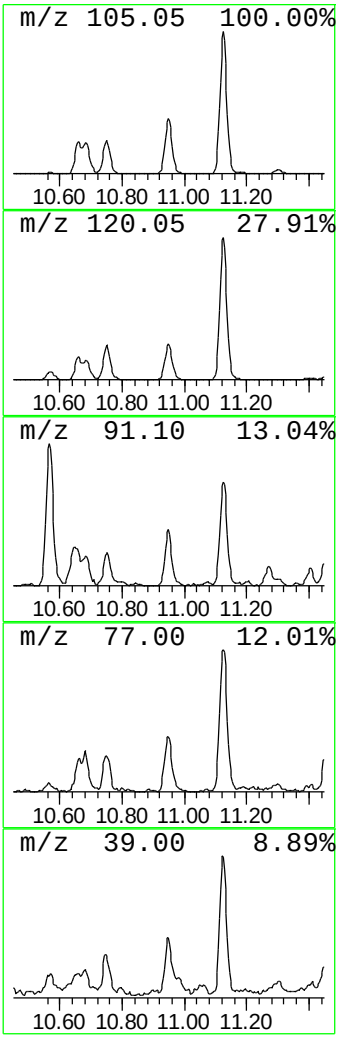
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	9.11 ug/L	234570	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	90
2	Mesitylene	120	C9H12	000108-67-8	90
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

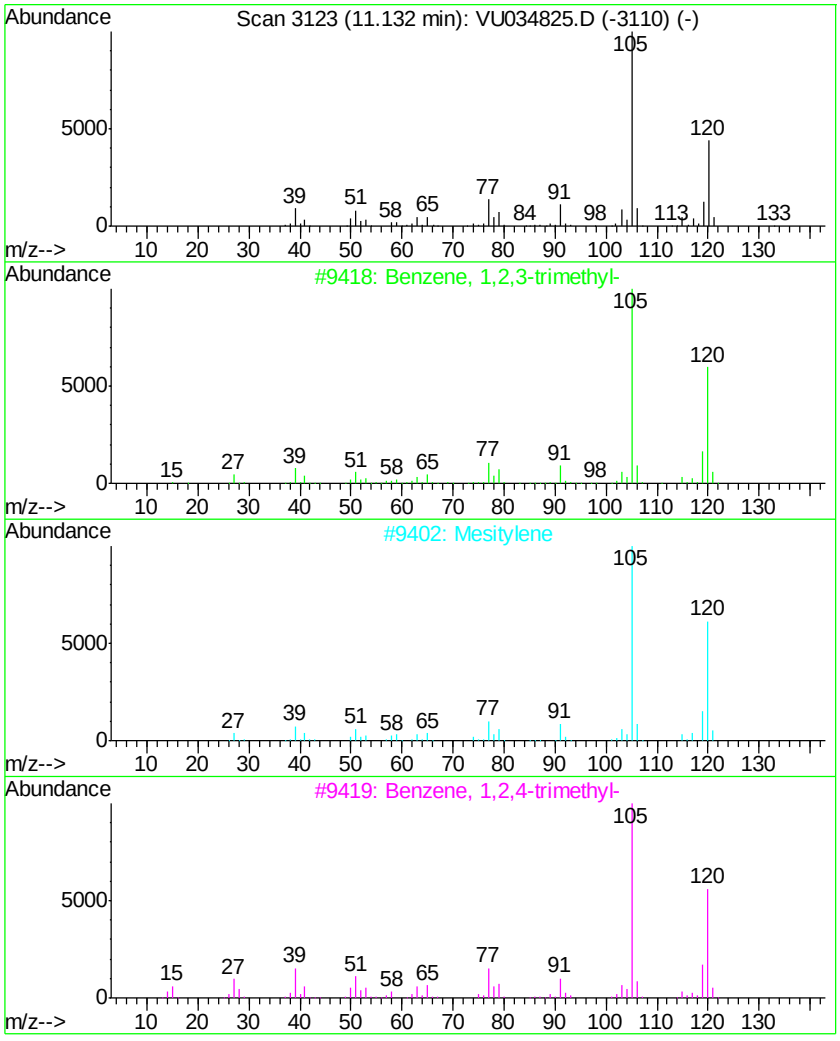
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

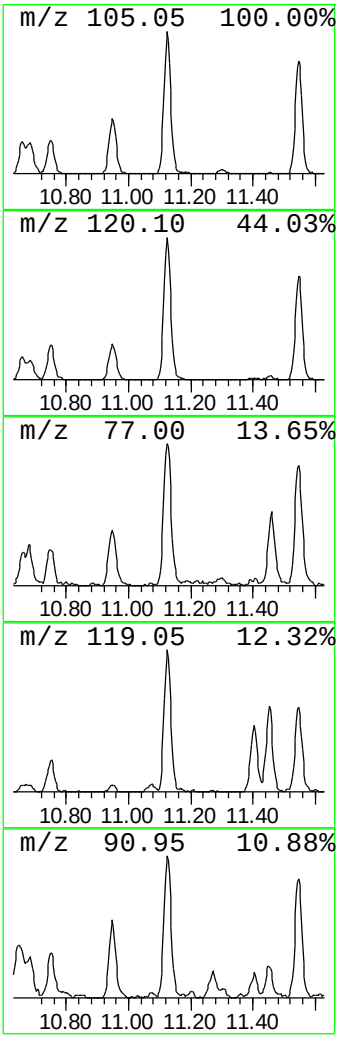
****

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	19.68 ug/L	506556	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

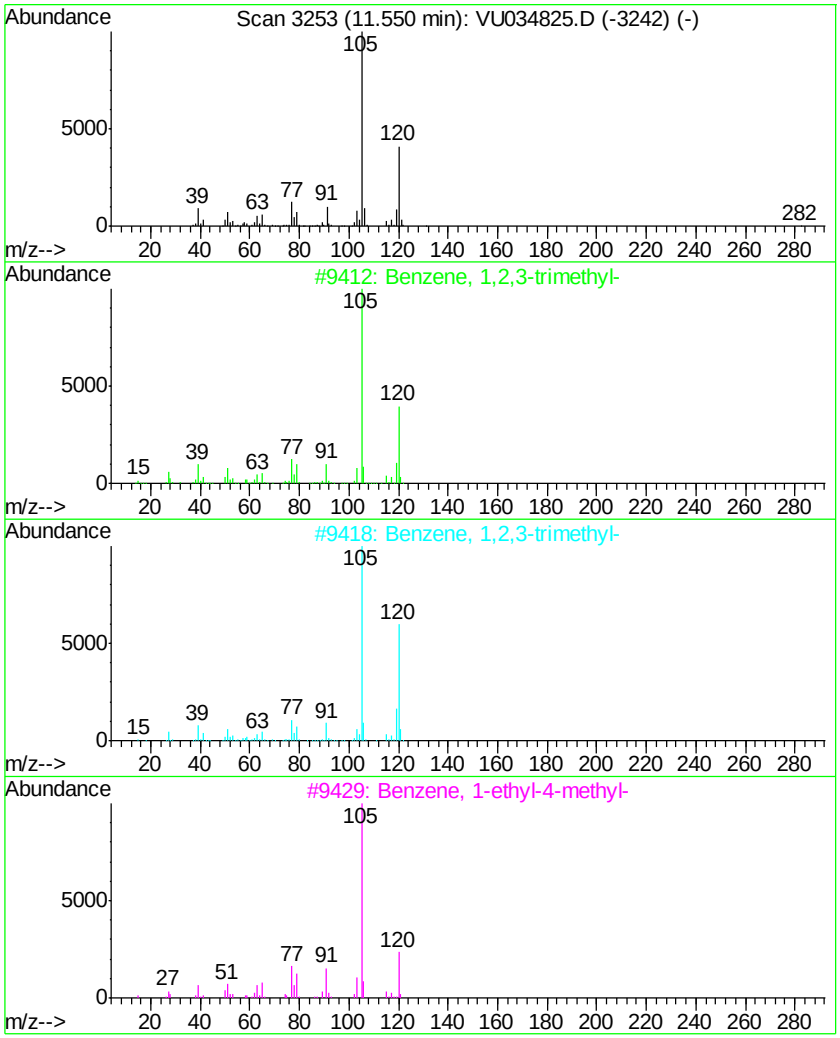
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

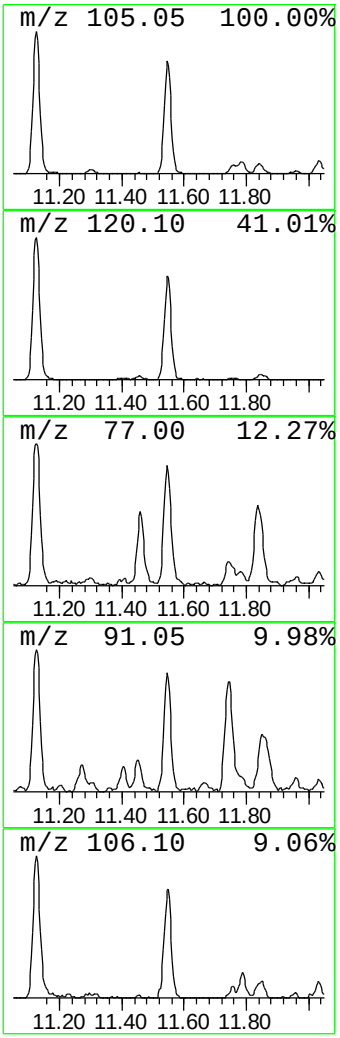
****

Peak Number 14 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	14.78 ug/L	380425	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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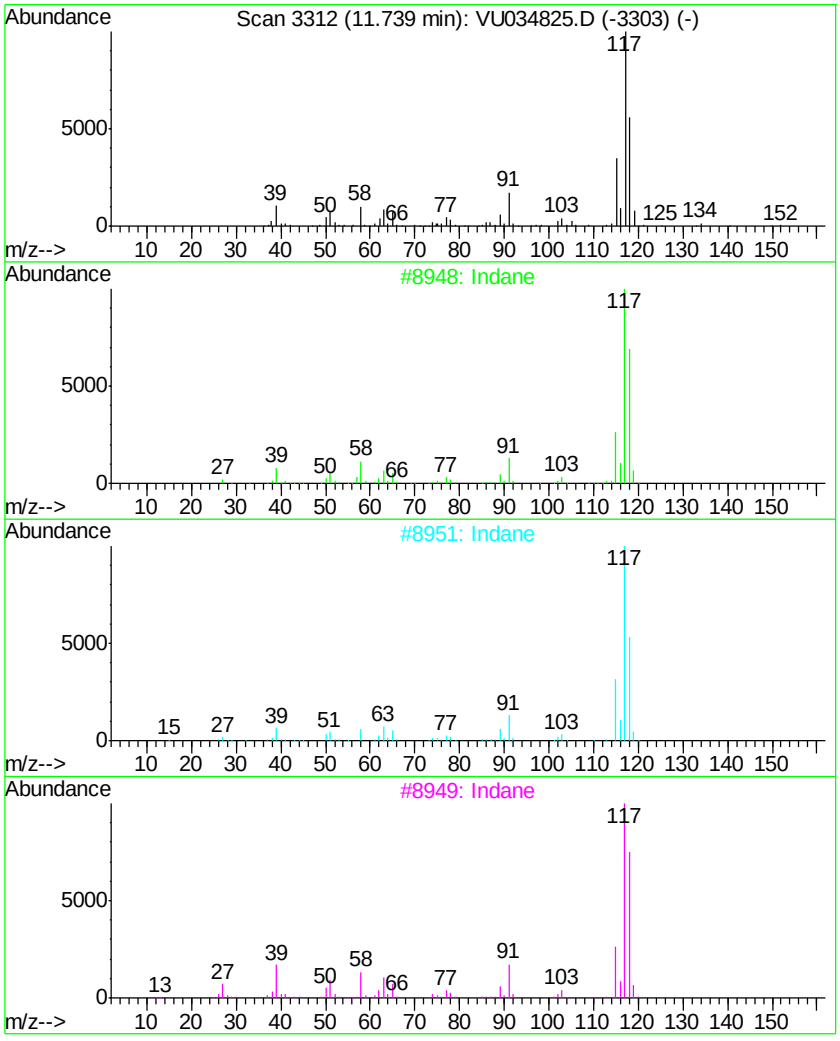
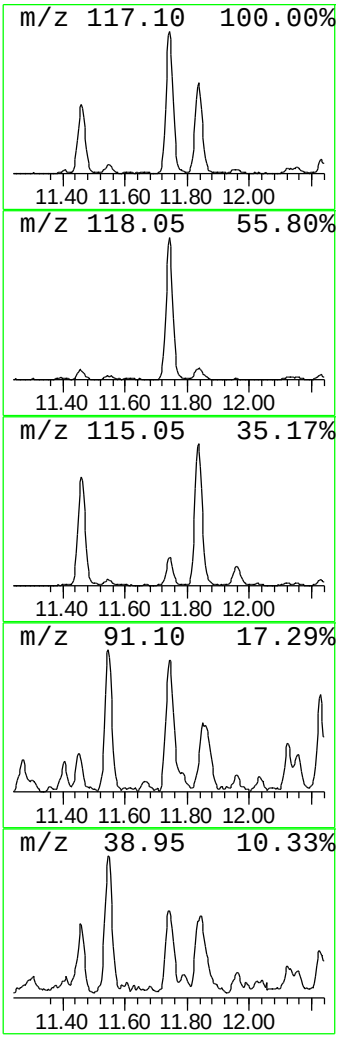
Peak Number 15 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	11.25 ug/L	289448	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	91
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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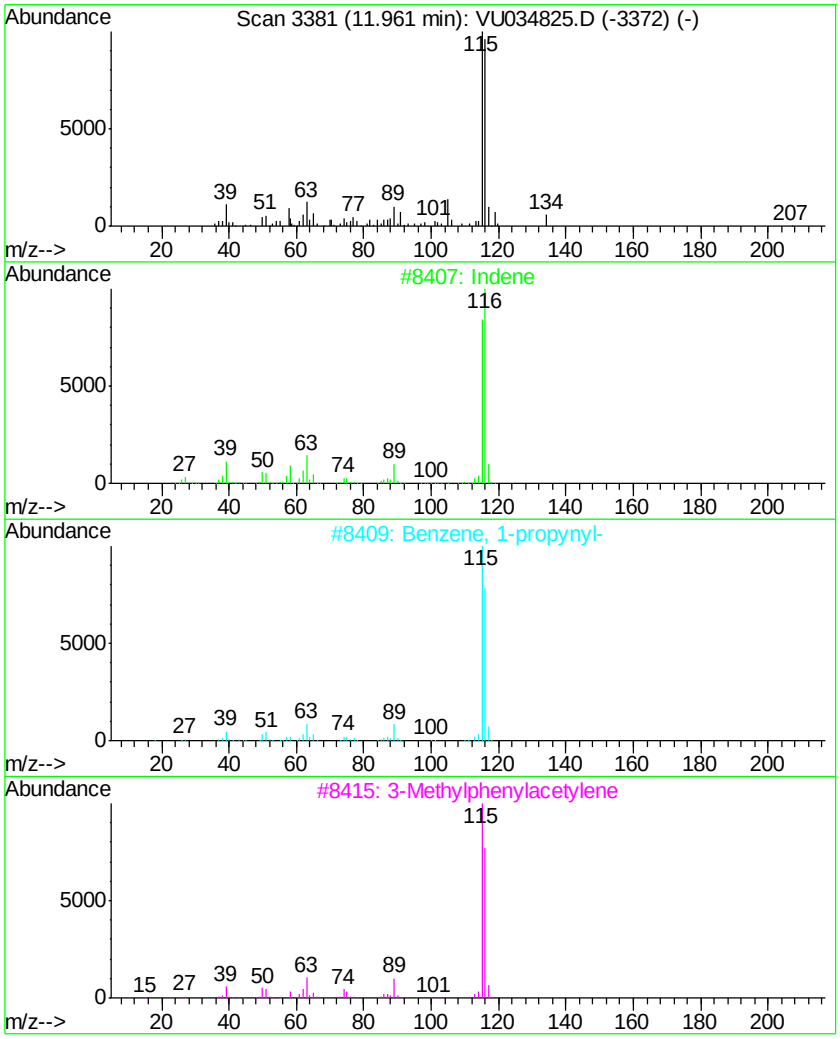
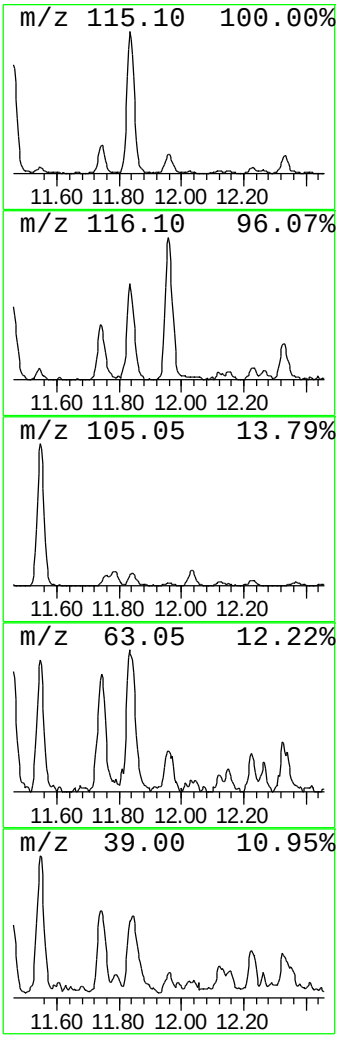
Peak Number 16 Indene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.13 ug/L	80489	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	87
4	Indene	116	C9H8	000095-13-6	87
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	81





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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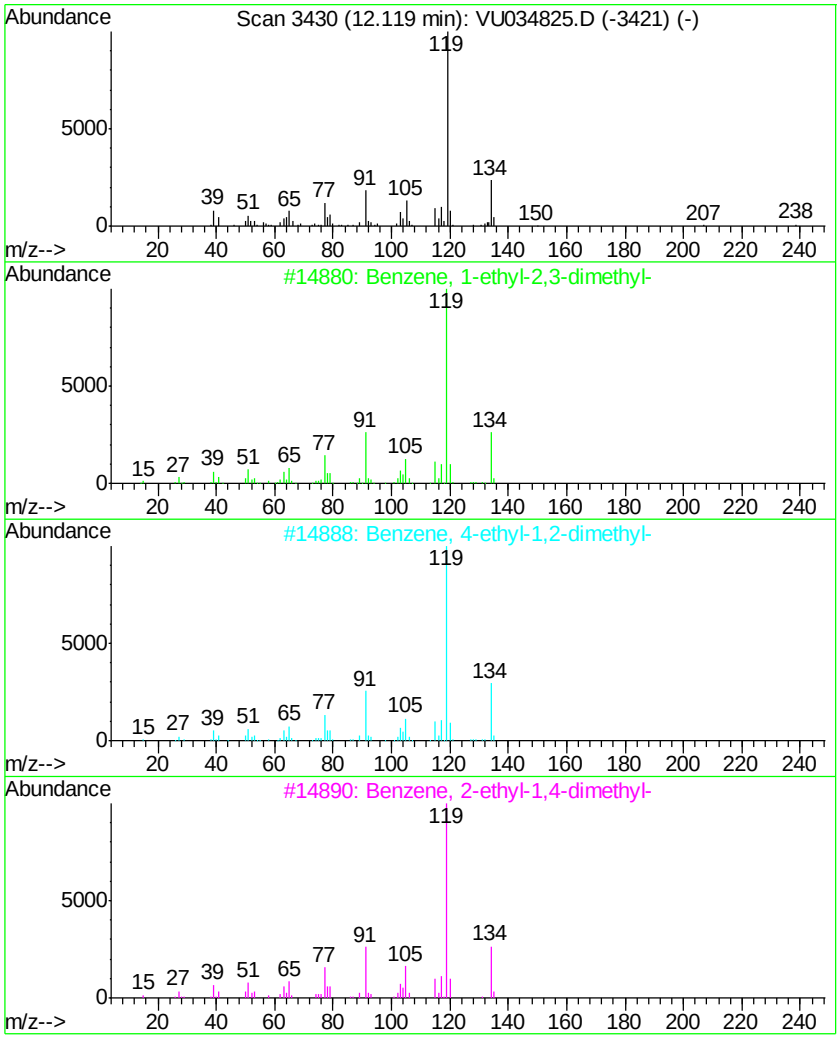
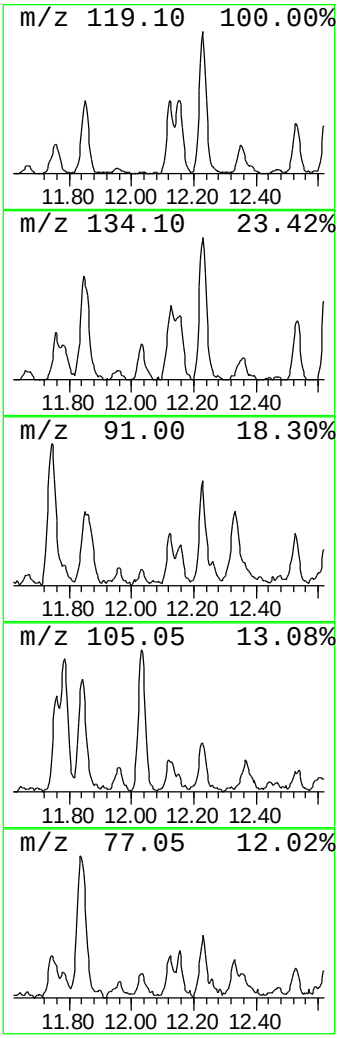
Peak Number 17 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.03 ug/L	78104	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

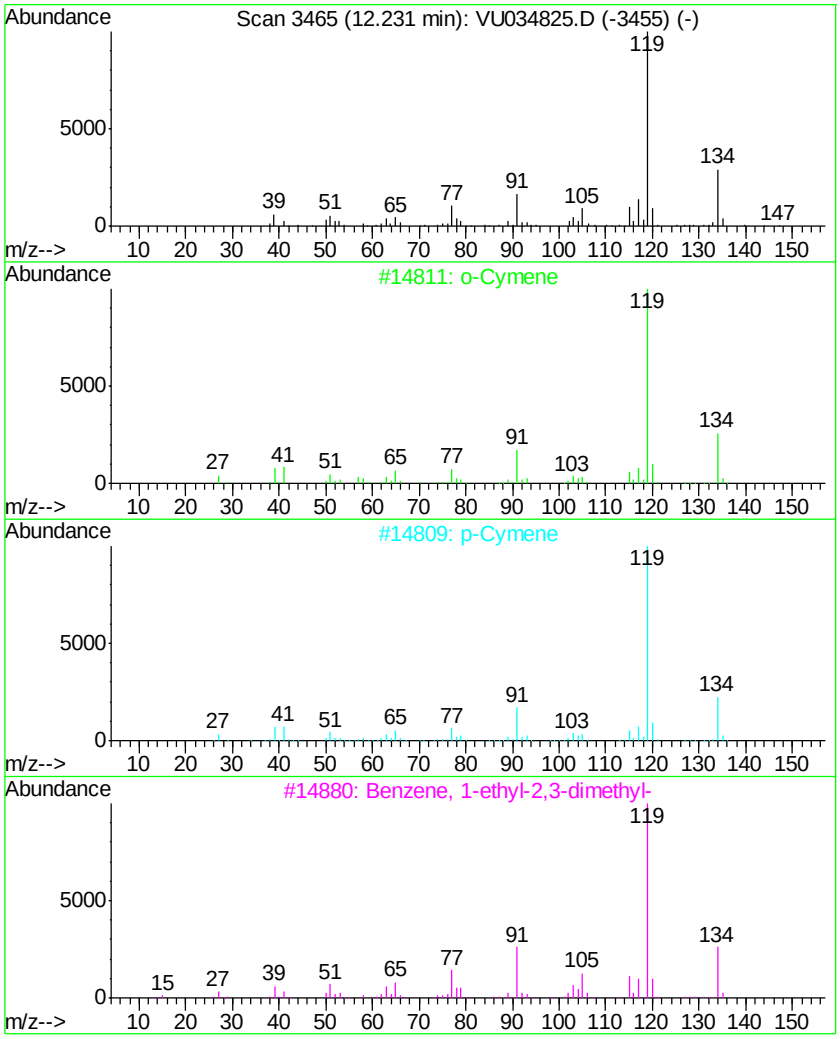
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

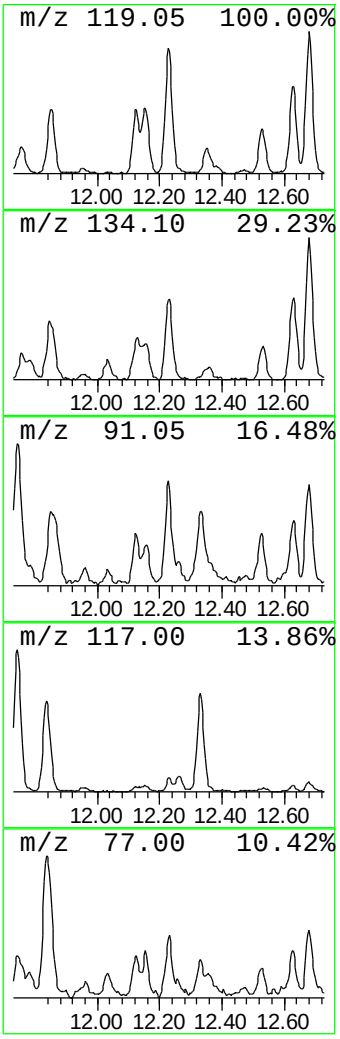
****

Peak Number 18 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	5.57 ug/L	143408	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	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

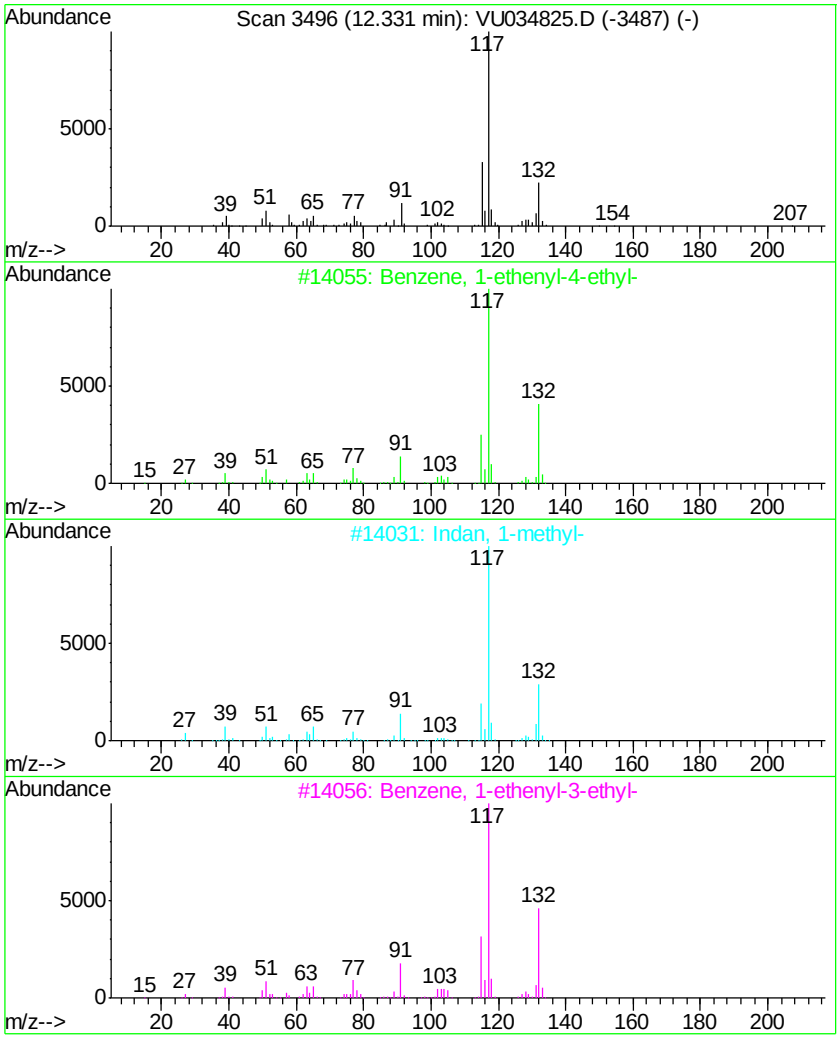
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

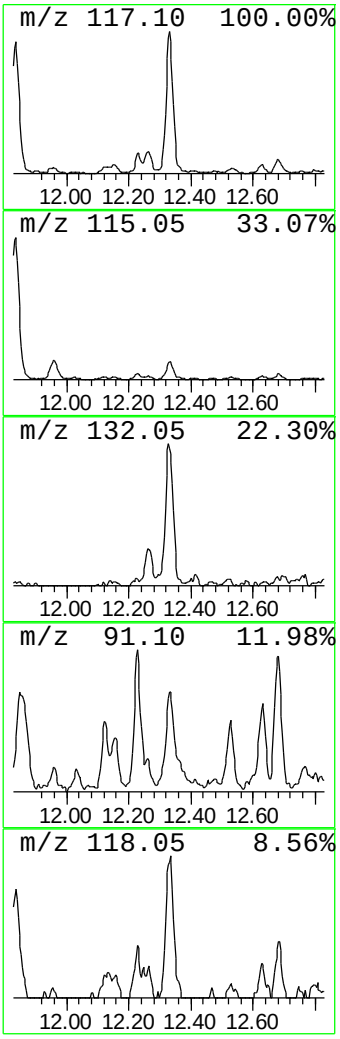
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	7.19 ug/L	184934	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	80





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

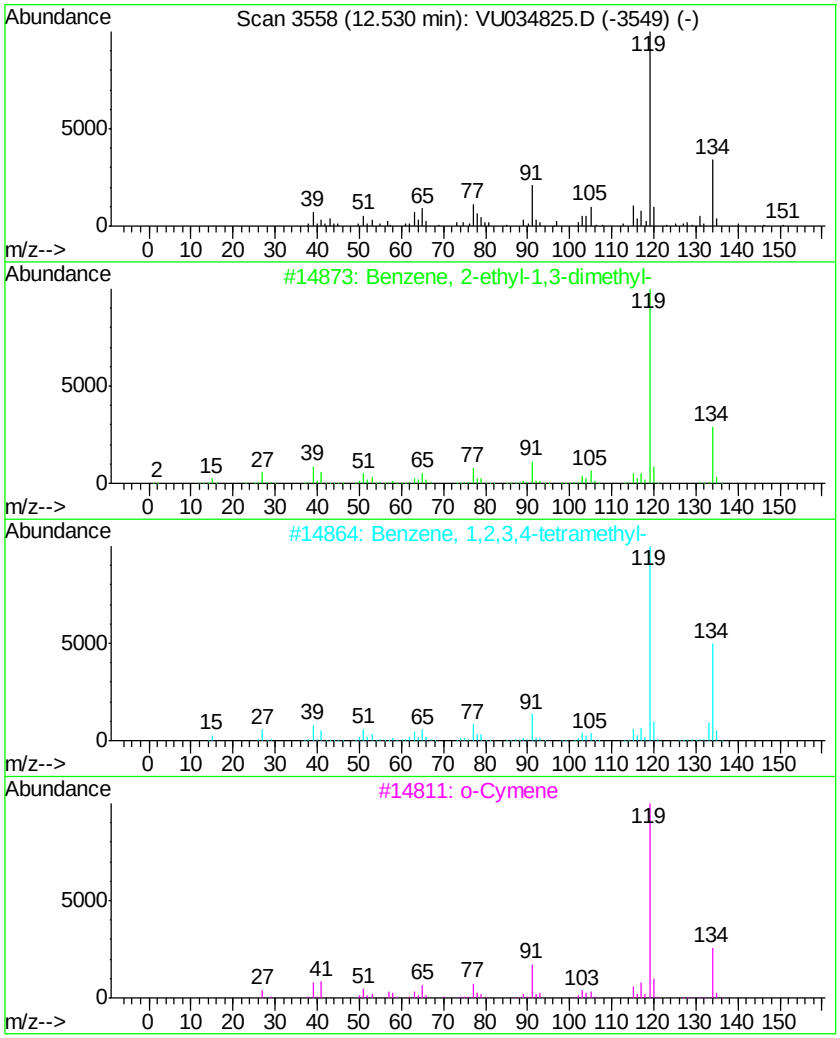
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

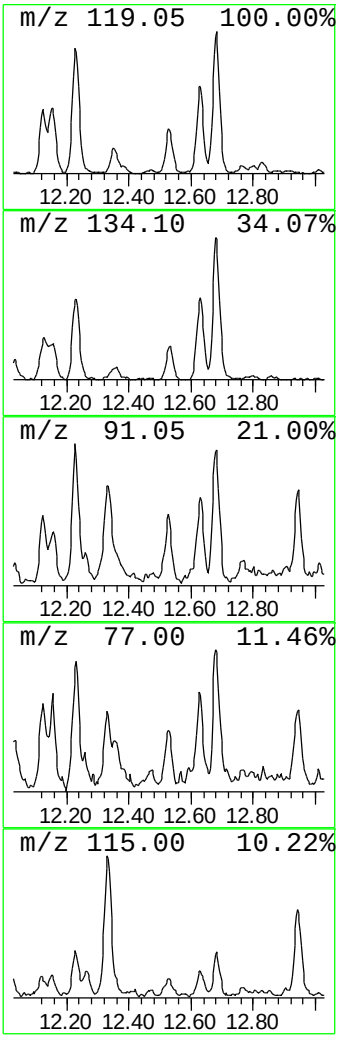
****

Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.03 ug/L	77889	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

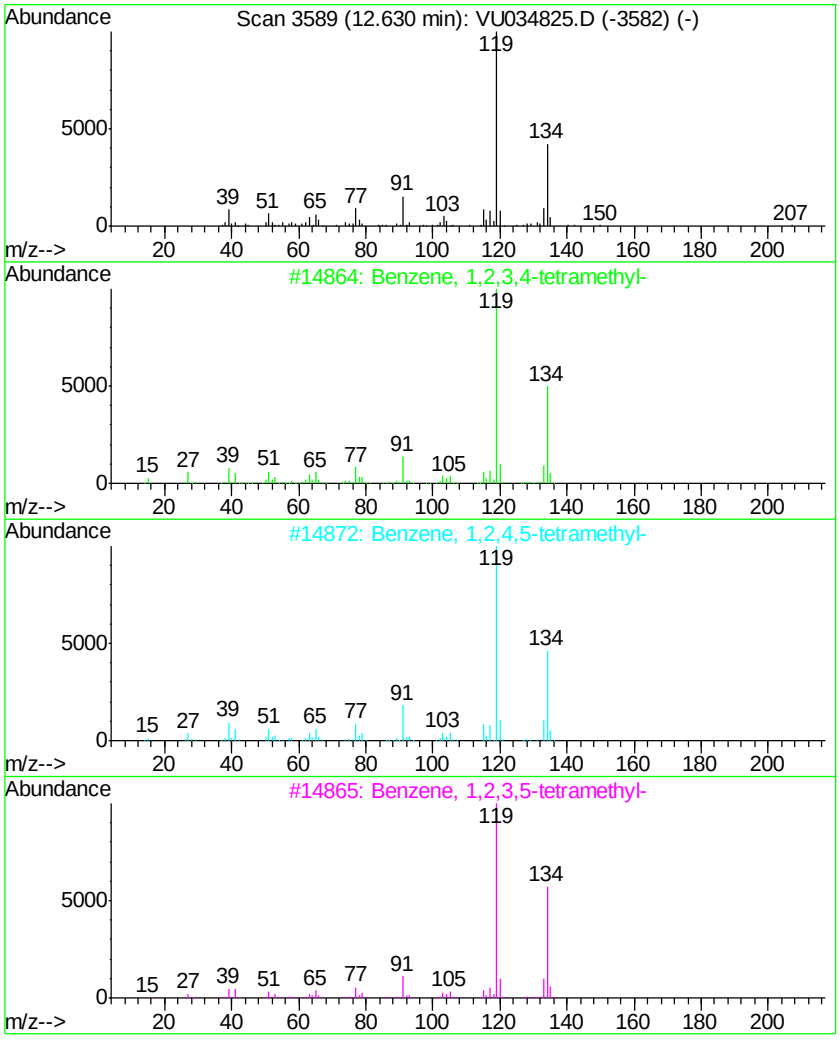
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

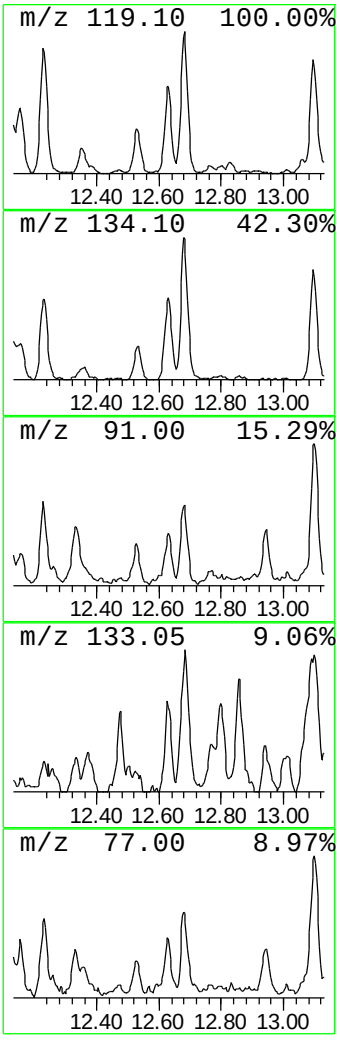
****

Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.57 ug/L	117725	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

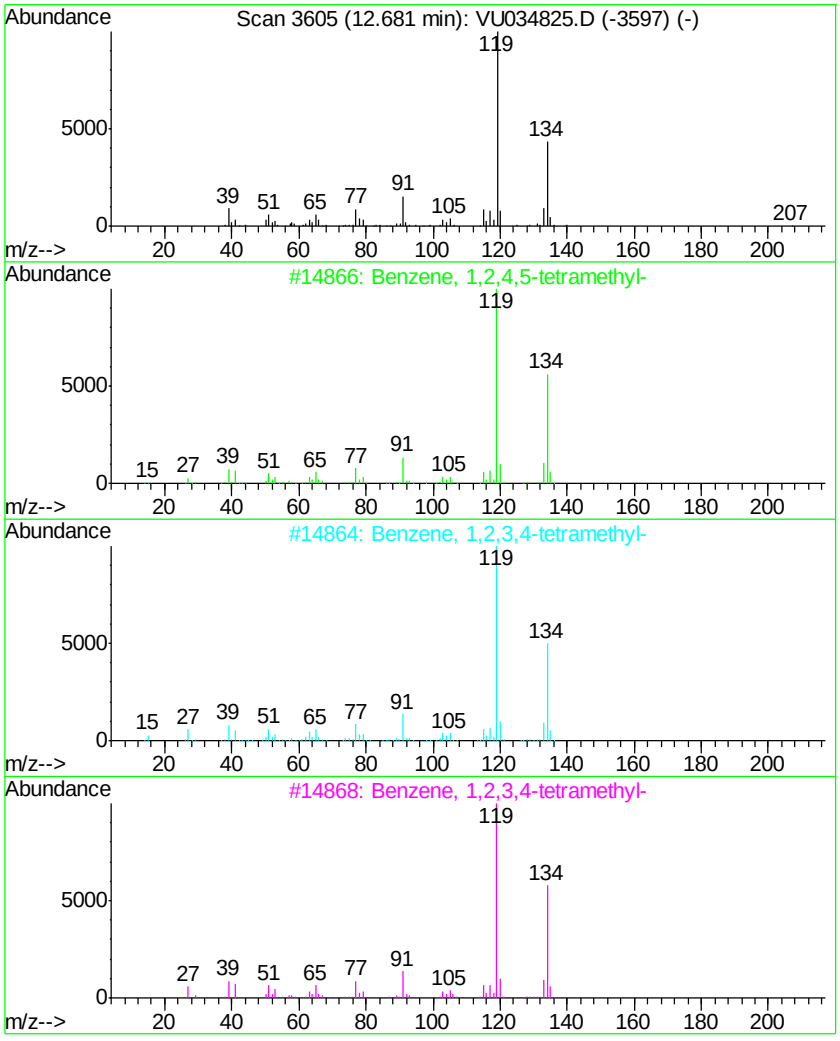
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

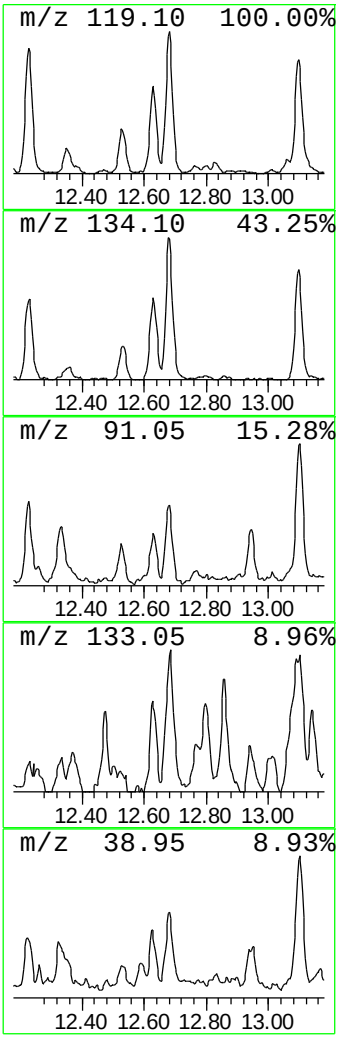
****

Peak Number 22 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	7.03 ug/L	180864	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	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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

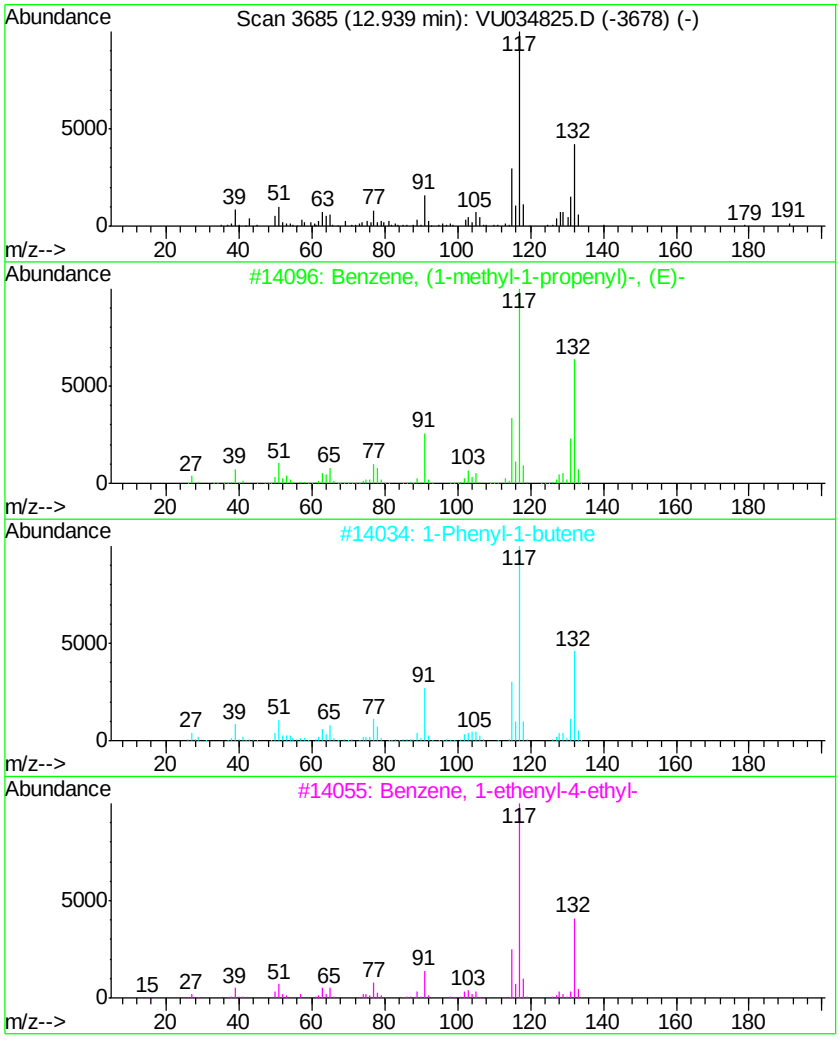
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

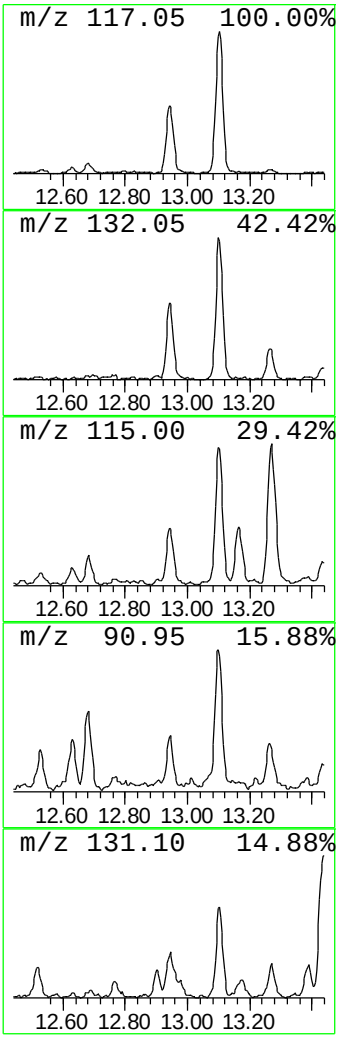
****

Peak Number 23 Benzene, (1-methyl-1-propen... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	5.30 ug/L	136351	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	97
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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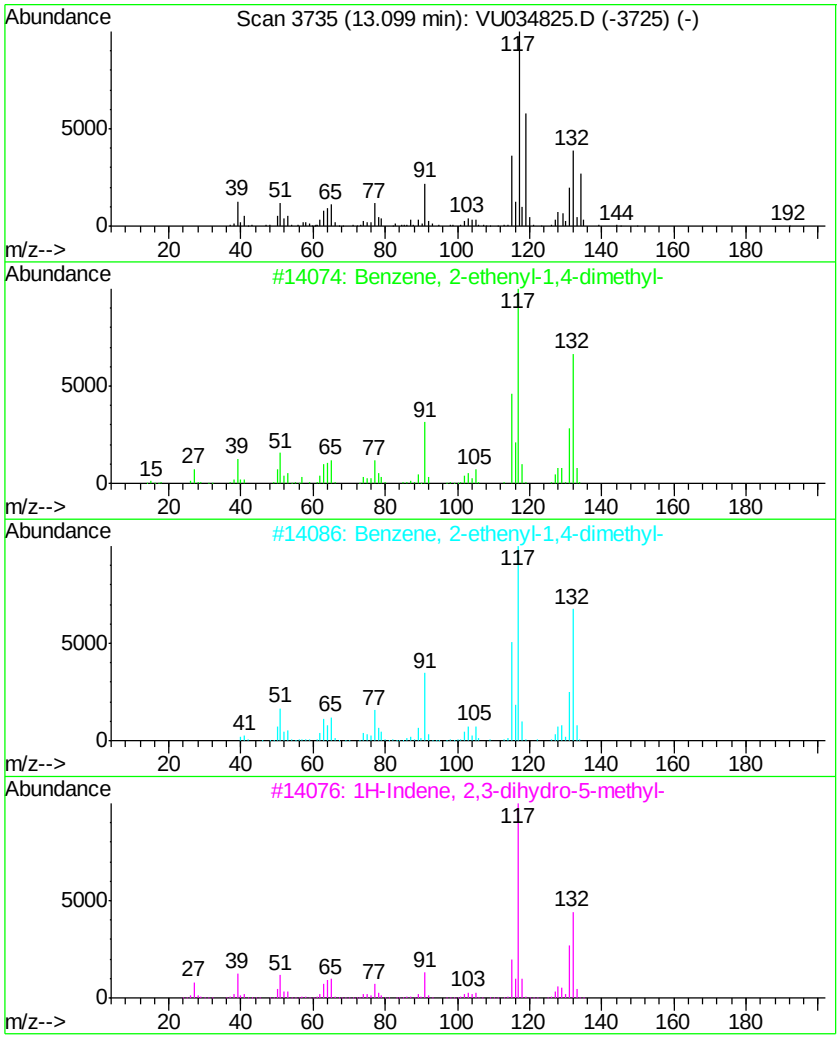
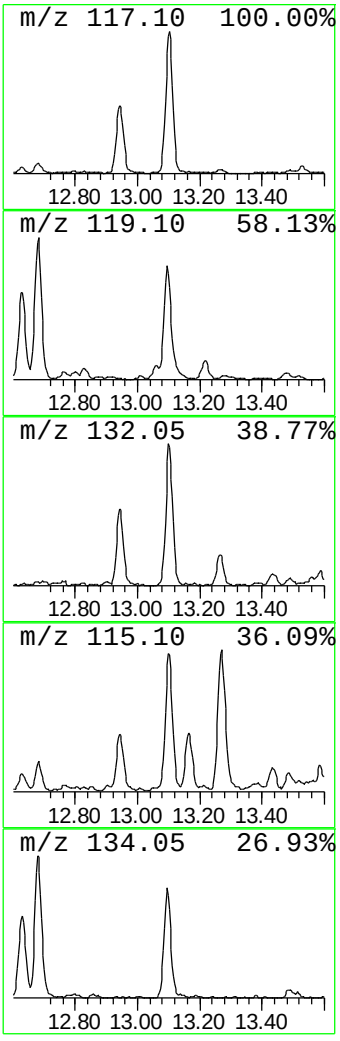
Peak Number 24 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	15.58 ug/L	400897	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	92





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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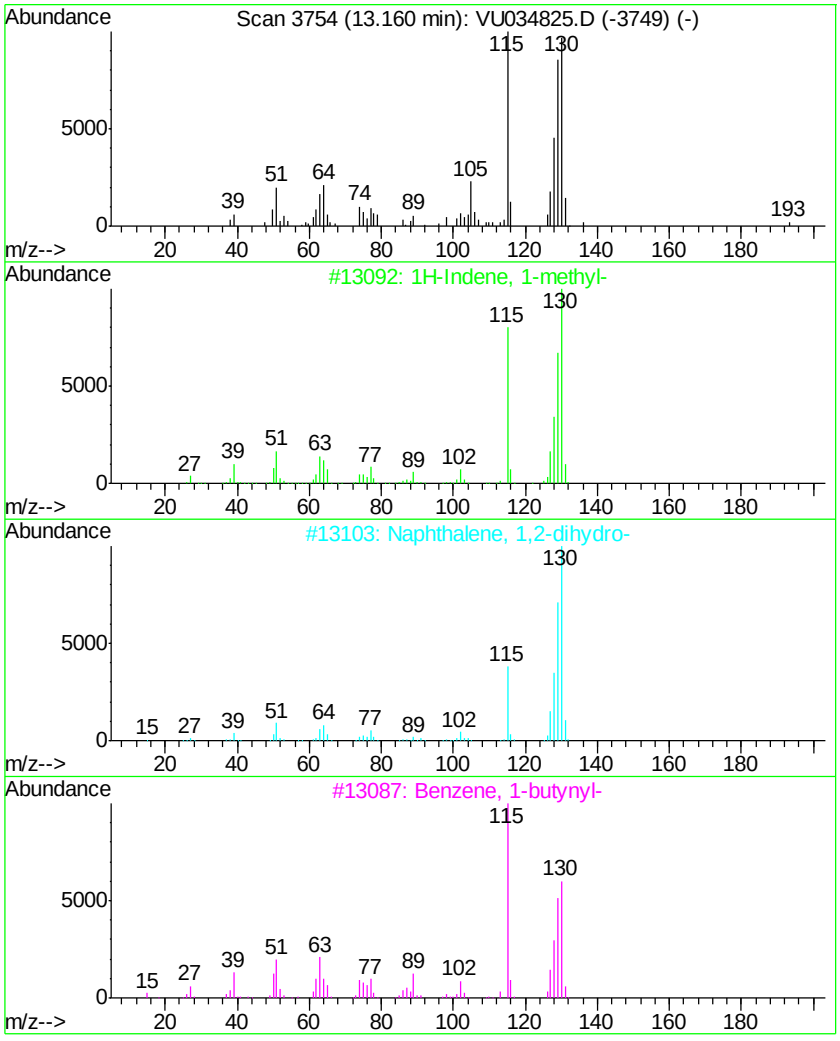
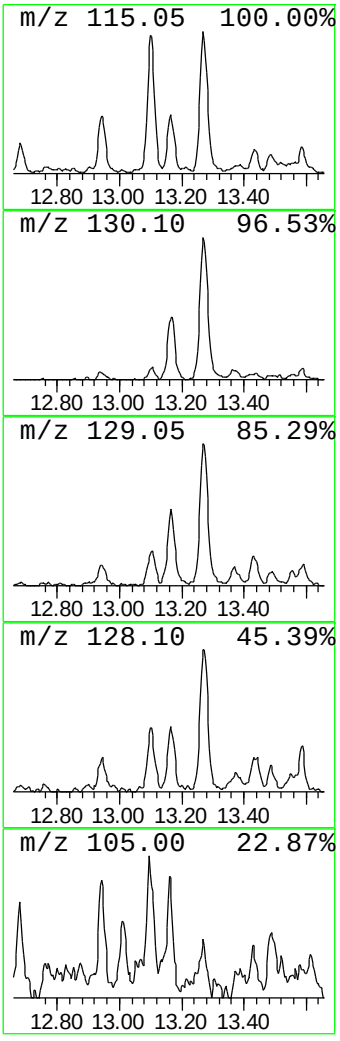
Peak Number 25 Naphthalene, 1,2-dihydro- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.84 ug/L	72967	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	90
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	89
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	81
5	2-Methylindene	130	C10H10	002177-47-1	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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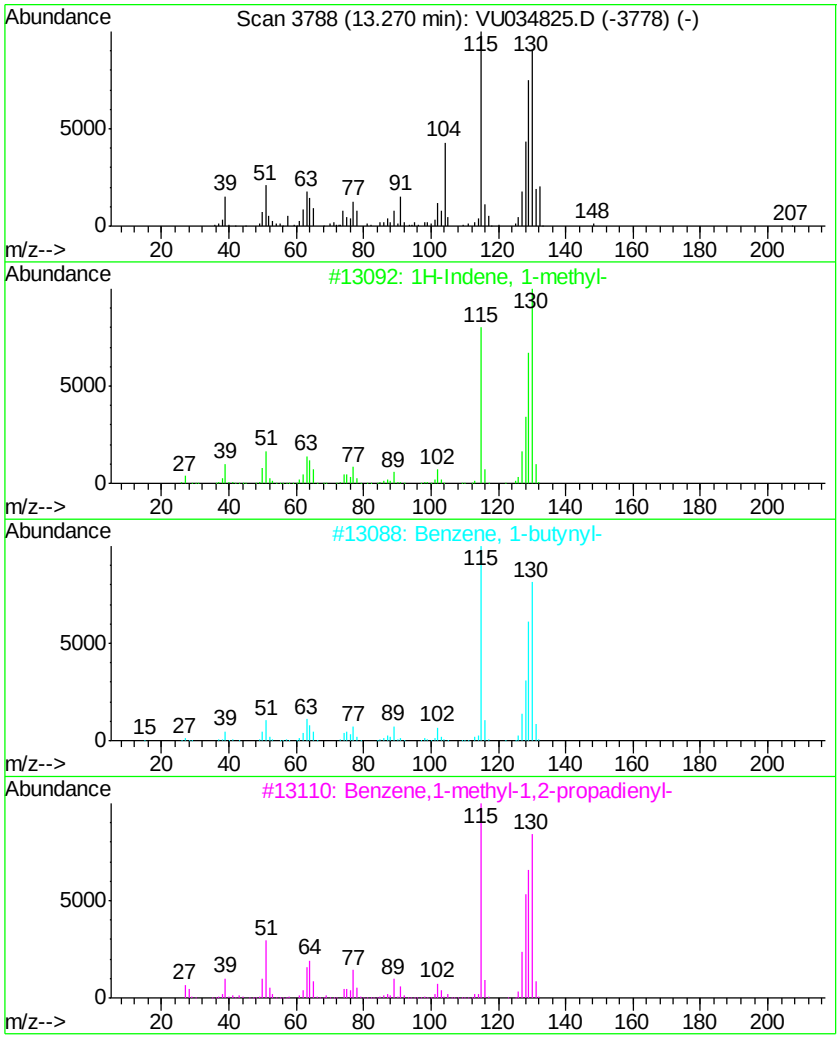
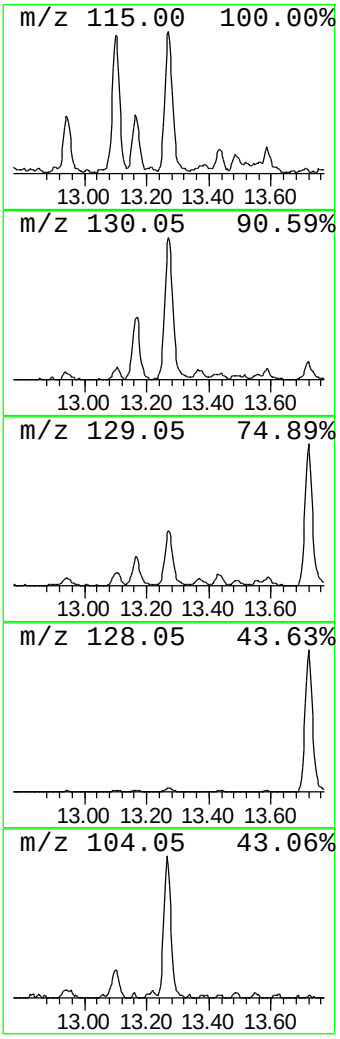
Peak Number 26 1H-Indene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	7.51 ug/L	193381	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93
5	2-Methylindene	130	C10H10	002177-47-1	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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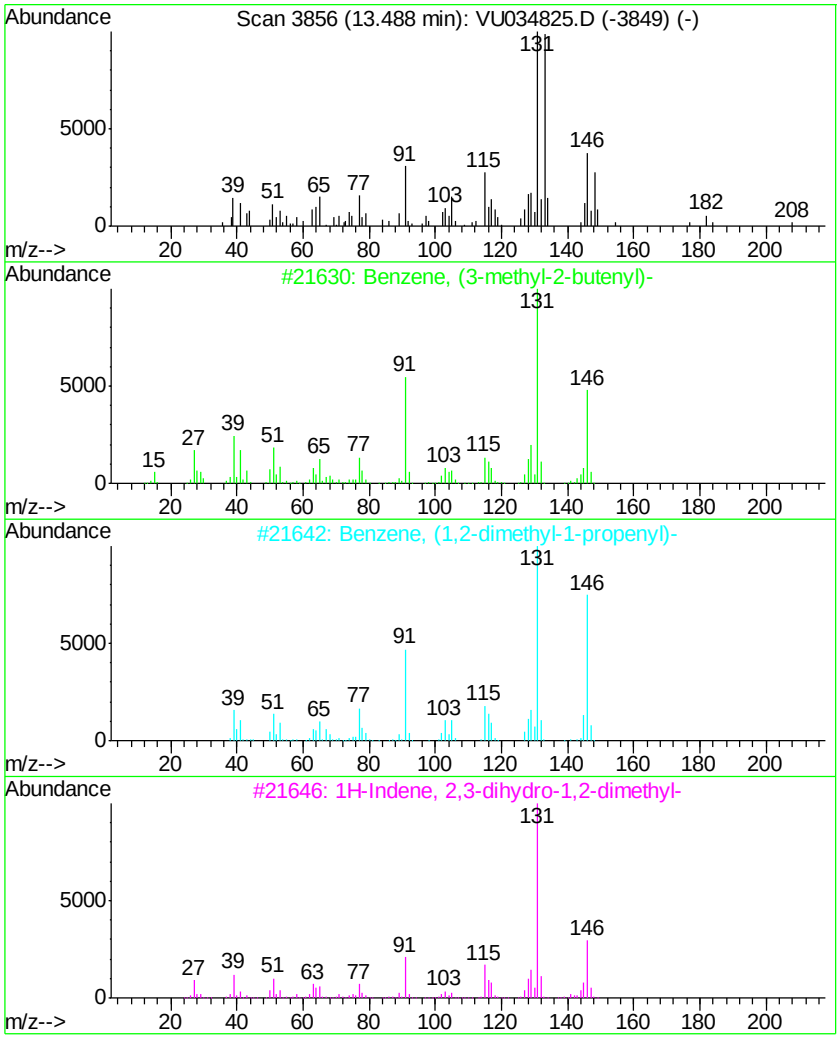
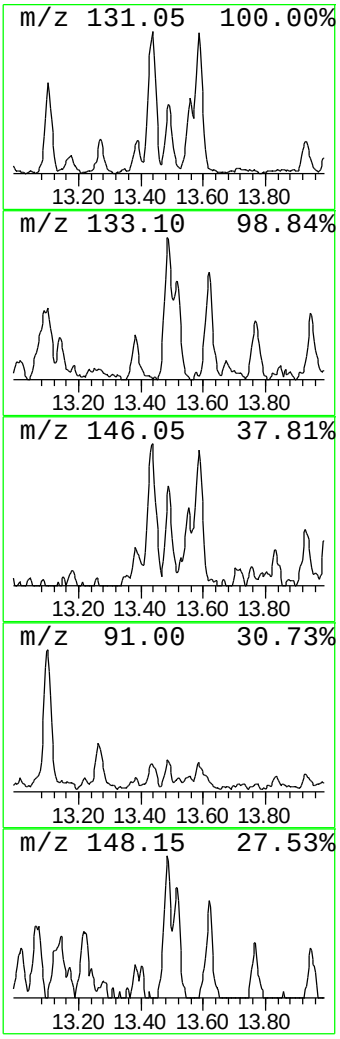
Peak Number 27 Benzene, (3-methyl-2-butenyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.61 ug/L	67208	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	70
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	55





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Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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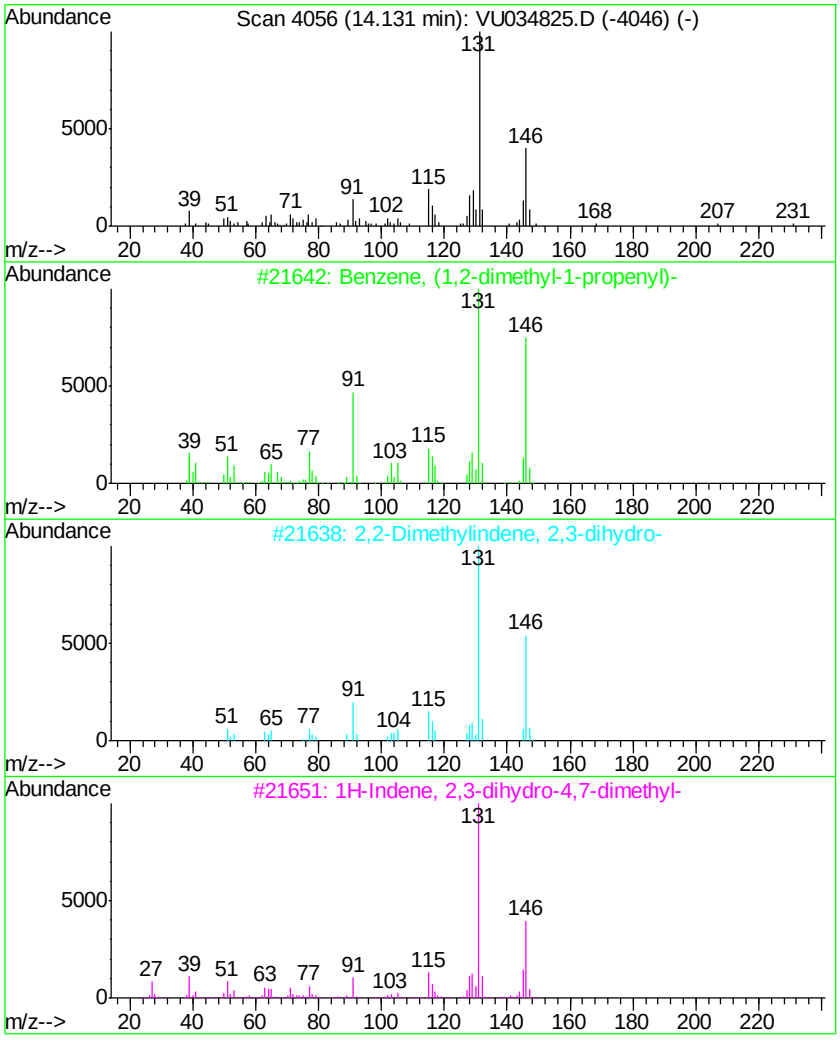
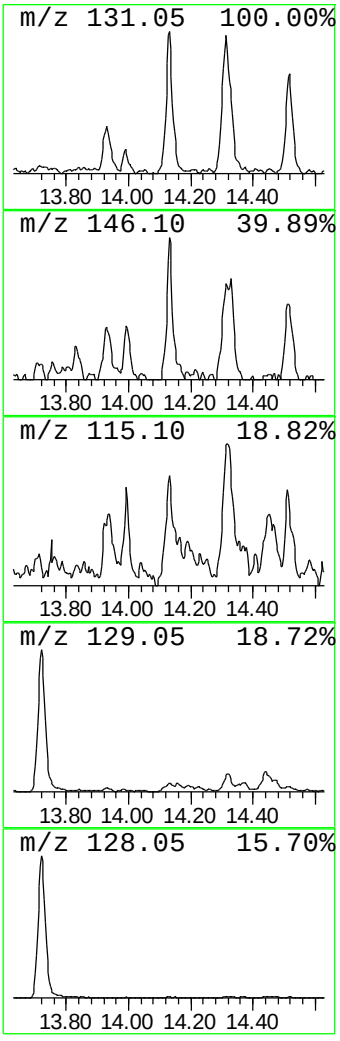
Peak Number 29 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.77 ug/L	71279	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	91
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91





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Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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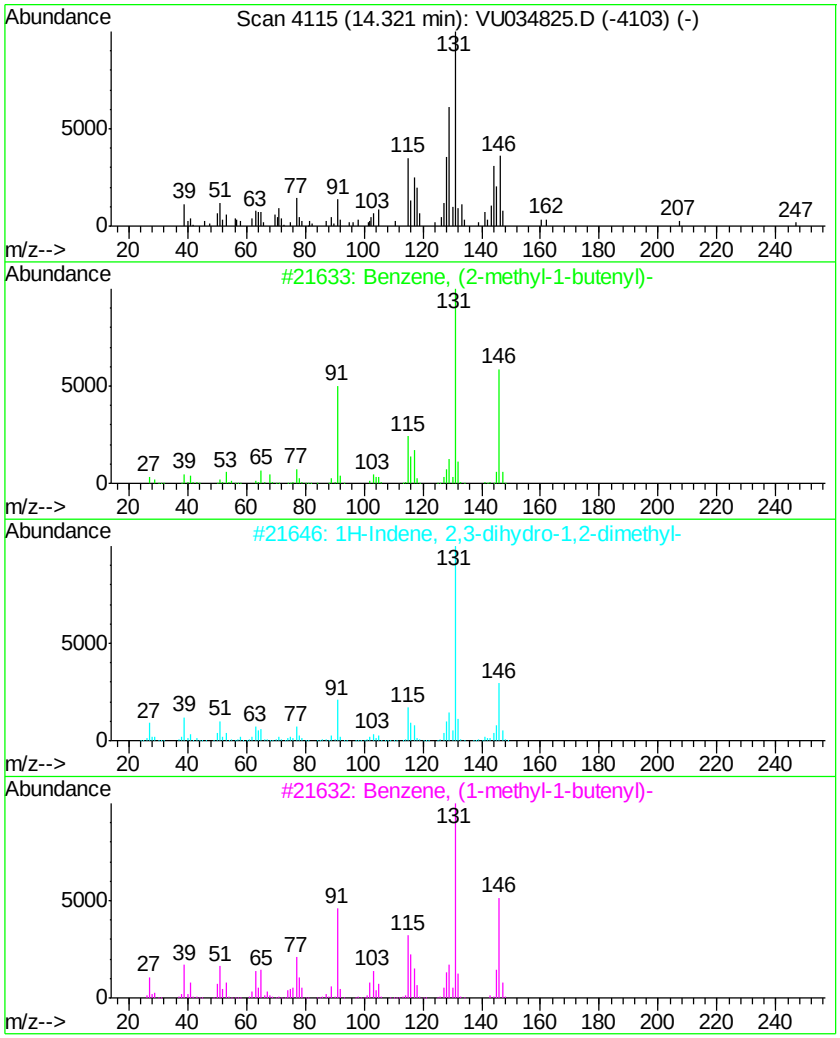
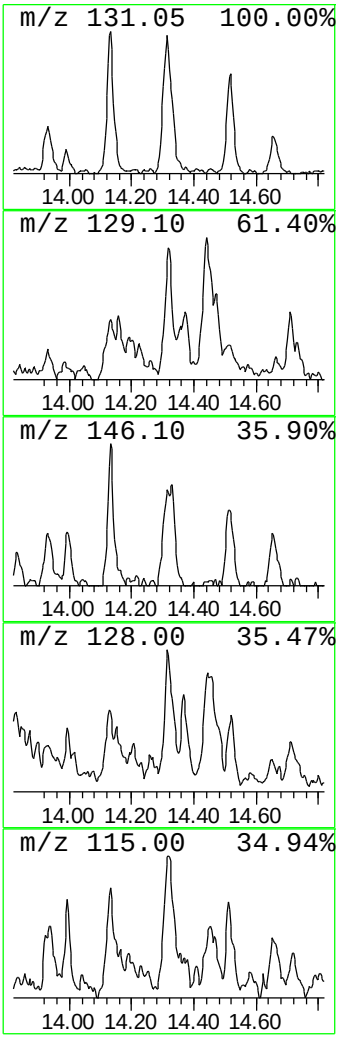
Peak Number 30 Benzene, (2-methyl-1-butenyl)- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	3.75 ug/L	96551	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	52
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	52
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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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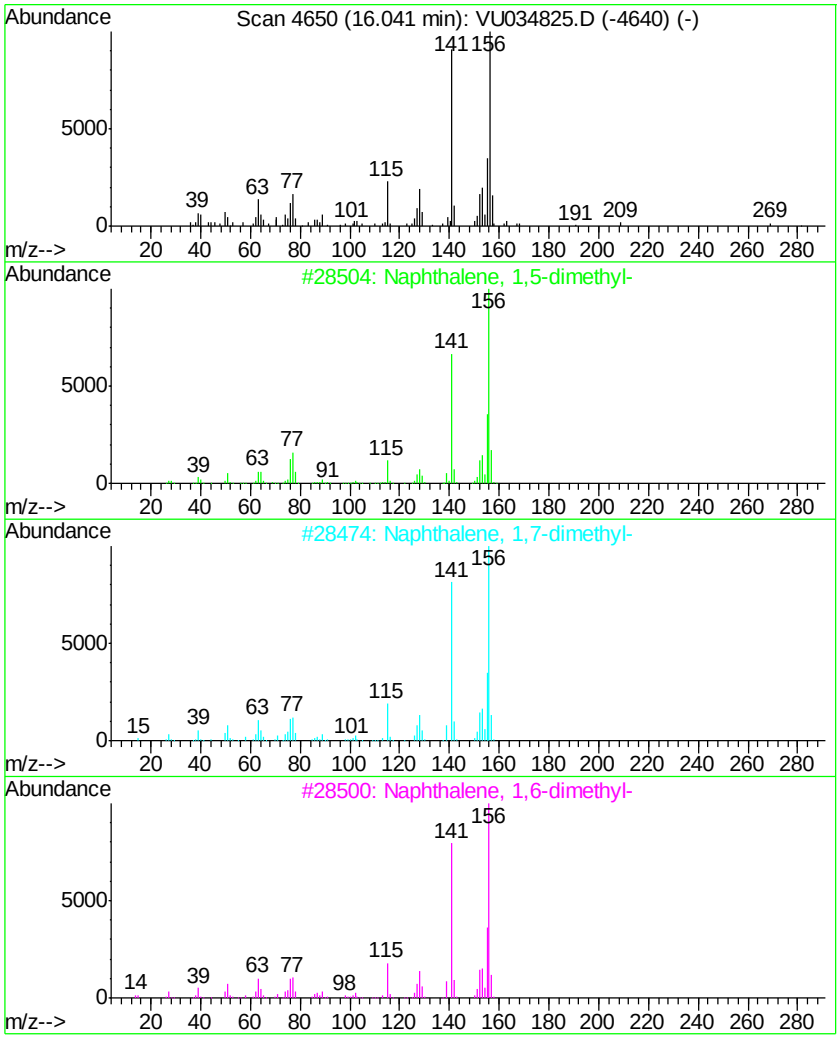
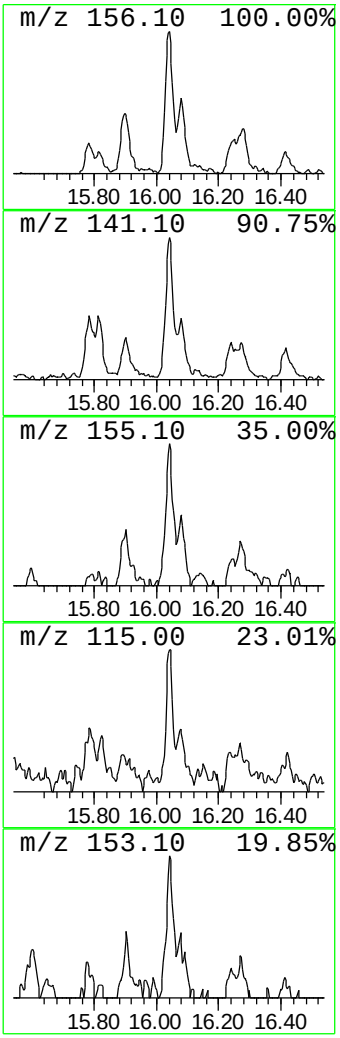
Peak Number 33 Naphthalene, 1,5-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.24 ug/L	83498	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034825.D
Acq On : 26 Sep 2019 00:15
Operator : JC/SP
Sample : K4983-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ6

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	3.1	ug/L	79185	1	5.86	1269940	50.0
Isopropyl acetate	5.53	8.4	ug/L	214720	1	5.86	1269940	50.0
n-Propyl acetate	6.68	161.5	ug/L	4102700	1	5.86	1269940	50.0
Propanoic acid, 1...	7.40	19.1	ug/L	486235	1	5.86	1269940	50.0
Propanoic acid, 2...	8.13	26.9	ug/L	771975	2	9.07	1432970	50.0
Propanoic acid, p...	8.39	47.0	ug/L	1347000	2	9.07	1432970	50.0
unknown-02	8.51	2.6	ug/L	74087	2	9.07	1432970	50.0
Butanoic acid, 1-...	8.88	52.6	ug/L	1508260	2	9.07	1432970	50.0
Benzene, propyl-	10.57	3.2	ug/L	81899	3	11.46	1286780	50.0
Benzene, 1-ethyl-...	10.75	4.6	ug/L	117558	3	11.46	1286780	50.0
Benzene, 1-ethyl-...	10.95	9.1	ug/L	234570	3	11.46	1286780	50.0
Benzene, 1,2,3-tr...	11.13	19.7	ug/L	506556	3	11.46	1286780	50.0
Benzene, 1-ethyl-...	11.55	14.8	ug/L	380425	3	11.46	1286780	50.0
Indane	11.74	11.3	ug/L	289448	3	11.46	1286780	50.0
Indene	11.96	3.1	ug/L	80489	3	11.46	1286780	50.0
Benzene, 1-ethyl-...	12.12	3.0	ug/L	78104	3	11.46	1286780	50.0
o-Cymene	12.23	5.6	ug/L	143408	3	11.46	1286780	50.0
Benzene, 1-etheny...	12.33	7.2	ug/L	184934	3	11.46	1286780	50.0
Benzene, 2-ethyl-...	12.53	3.0	ug/L	77889	3	11.46	1286780	50.0
Benzene, 1,2,3,4-...	12.63	4.6	ug/L	117725	3	11.46	1286780	50.0
Benzene, 1,2,4,5-...	12.68	7.0	ug/L	180864	3	11.46	1286780	50.0
Benzene, (1-methy...	12.94	5.3	ug/L	136351	3	11.46	1286780	50.0
Benzene, 2-etheny...	13.10	15.6	ug/L	400897	3	11.46	1286780	50.0
Naphthalene, 1,2-...	13.16	2.8	ug/L	72967	3	11.46	1286780	50.0
1H-Indene, 1-methyl-	13.27	7.5	ug/L	193381	3	11.46	1286780	50.0
Benzene, (3-methy...	13.49	2.6	ug/L	67208	3	11.46	1286780	50.0
Benzene, (1,2-dim...	14.13	2.8	ug/L	71279	3	11.46	1286780	50.0
Benzene, (2-methy...	14.32	3.8	ug/L	96551	3	11.46	1286780	50.0
Naphthalene, 1,5-...	16.04	3.2	ug/L	83498	3	11.46	1286780	50.0