LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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	1.392	86	94	106	rBV	352839	378238	9.50%	0.663%
2	1.540	131	140	152	rBV	36271	56818	1.43%	0.100%
3	1.672	173	181	195	rBV	281426	359064	9.02%	0.629%
4	2.260	353	364	374	rVB	490022	737562	18.52%	1.292%
5	2.685	483	496	505	rBV3	13586	25806	0.65%	0.045%
6	2.974	576	586	593	rVV10	8412	17784	0.45%	0.031%
7	4.067	912	926	937	rBV4	12846	29317	0.74%	0.051%
8	4.151	940	952	991	rBV	221676	630558	15.83%	1.105%
9	4.624	1082	1099	1119	rBV	366243	874909	21.97%	1.533%
10	4.759	1132	1141	1155	rVB4	12775	29065	0.73%	0.051%
11	4.968	1193	1206	1208	rBV7	16223	23767	0.60%	0.042%
12	5.315	1291	1314	1347	rBV2	765283	2361855	59.30%	4.139%
13	5.527	1362	1380	1402	rBV	99683	226428	5.69%	0.397%
14	5.865	1471	1485	1512	rBV	642223	1297601	32.58%	2.274%
15	6.164	1566	1578	1605	rVB2	230874	494347	12.41%	0.866%
16	6.308	1610	1623	1639	rBV	521356	1064077	26.72%	1.865%
17	6.398	1642	1651	1664	rVB7	22627	53688	1.35%	0.094%
18	6.566	1695	1703	1706	rVV2	14883	21206	0.53%	0.037%
19	6.588	1707	1710	1726	rVB2	24031	42596	1.07%	0.075%
20	6.681	1727	1739	1768	rBV	2191731	3982612	100.00%	6.978%
21	7.048	1841	1853	1862	rVV4	20162	39319	0.99%	0.069%
22	7.096	1864	1868	1882	rVB10	8443	15269	0.38%	0.027%
23	7.205	1889	1902	1928	rBV	308857	582083	14.62%	1.020%
24	7.402	1951	1963	1971	rBV	273706	478377	12.01%	0.838%
25	7.543	1992	2007	2020	rBV	1058886	1895521	47.59%	3.321%
26	7.614	2020	2029	2046	rVB	622051	1089212	27.35%	1.909%
27	7.826	2084	2095	2121	rBV2	294745	539226	13.54%	0.945%
28	8.074	2164	2172	2179	rBV3	9443	15331	0.38%	0.027%
29	8.135	2179	2191	2204	rBV	414668	688566	17.29%	1.207%
30	8.209	2205	2214	2220	rBV5	65488	113244	2.84%	0.198%
31	8.241	2220	2224	2230	rVV2	44292	55695	1.40%	0.098%
32	8.289	2230	2239	2262	rVV	856295	1463246	36.74%	2.564%
33	8.395	2262	2272	2286	rBV	738838	1127650	28.31%	1.976%
34	8.508	2300	2307	2332	rVB2	45074	94735	2.38%	0.166%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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	8.884	2411	2424	2450	rBV	861848	1403550	35.24%	2.459%
36	9.067	2461	2481	2515	rVV	973027	1711056	42.96%	2.998%
37	9.228	2520	2531	2550	rVV	506001	823678	20.68%	1.443%
38	9.350	2552	2569	2604	rVV	1897090	3127069	78.52%	5.479%
39	9.588	2634	2643	2650	rBV2	25045	40836	1.03%	0.072%
40	9.627	2651	2655	2665	rVB9	12143	18264	0.46%	0.032%
41	9.755	2683	2695	2717	rVB	1202299	1991607	50.01%	3.490%
42	9.926	2736	2748	2756	rBV8	10726	23740	0.60%	0.042%
43	10.022	2770	2778	2790	rBV4	25542	44997	1.13%	0.079%
44	10.144	2801	2816	2828	rBV	83108	141647	3.56%	0.248%
45	10.408	2886	2898	2918	rBV	684742	1109099	27.85%	1.943%
46	10.565	2935	2947	2961	rBV	199063	314265	7.89%	0.551%
47	10.659	2962	2976	2994	rVV	879461	1906373	47.87%	3.340%
48	10.749	2994	3004	3028	rVB	636746	993309	24.94%	1.741%
49	10.897	3039	3050	3056	rBV2	33432	54287	1.36%	0.095%
50	10.948	3056	3066	3087	rVB	534570	861318	21.63%	1.509%
51	11.125	3108	3121	3136	rBV	2135474	3292241	82.67%	5.769%
52	11.266	3158	3165	3170	rBV3	14849	23713	0.60%	0.042%
53	11.299	3171	3175	3186	rVB2	27211	39282	0.99%	0.069%
54	11.405	3196	3208	3215	rBV	77629	125299	3.15%	0.220%
55	11.459	3215	3225	3241	rVV	1002575	1630959	40.95%	2.858%
56	11.546	3241	3252	3267	rVB	1017070	1544679	38.79%	2.707%
57	11.665	3284	3289	3299	rVB3	17016	24110	0.61%	0.042%
58	11.742	3301	3313	3322	rBV	565797	990156	24.86%	1.735%
59	11.784	3322	3326	3333	rVV	166692	233335	5.86%	0.409%
60	11.839	3333	3343	3370	rVB5	1267427	2702396	67.85%	4.735%
61	11.958	3370	3380	3388	rBV4	37675	61654	1.55%	0.108%
62	12.032	3394	3403	3417	rVB	90998	139216	3.50%	0.244%
63	12.122	3421	3431	3436	rBV	199691	303211	7.61%	0.531%
64	12.154	3437	3441	3451	rVB	189243	245346	6.16%	0.430%
65	12.228	3452	3464	3472	rBV	326239	521509	13.09%	0.914%
66	12.331	3485	3496	3519	rBV2	238599	497208	12.48%	0.871%
67	12.469	3531	3539	3546	rBV8	17386	28078	0.71%	0.049%
68	12.530	3547	3558	3568	rVV2	126181	209015	5.25%	0.366%
69	12.594	3569	3578	3580	rVV3	45833	57608	1.45%	0.101%
70	12.626	3581	3588	3596	rVV	241246	371389	9.33%	0.651%
71	12.681	3596	3605	3618	rVB	375803	586778	14.73%	1.028%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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	12.768	3623	3632	3636	rBV3	31778	46068	1.16%	0.081%
73	12.797	3637	3641	3647	rVV2	24005	32772	0.82%	0.057%
74	12.829	3648	3651	3658	rVB	19326	19523	0.49%	0.034%
75	12.942	3677	3686	3701	rVB	273457	427793	10.74%	0.750%
76	13.006	3701	3706	3715	rVB7	17746	24377	0.61%	0.043%
77	13.099	3716	3735	3747	rBV3	716013	1204098	30.23%	2.110%
78	13.163	3751	3755	3765	rVB6	41693	62940	1.58%	0.110%
79	13.215	3765	3771	3777	rBV	21937	28215	0.71%	0.049%
80	13.266	3778	3787	3807	rVB4	150749	274567	6.89%	0.481%
81	13.382	3808	3823	3831	rBV6	58209	117620	2.95%	0.206%
82	13.437	3832	3840	3847	rVB2	66845	102157	2.57%	0.179%
83	13.485	3847	3855	3871	rBV5	104965	210785	5.29%	0.369%
84	13.556	3872	3877	3881	rBV3	22044	26269	0.66%	0.046%
85	13.588	3881	3887	3893	rVV3	52214	61130	1.53%	0.107%
86	13.720	3916	3928	3941	rBV	1591342	2602731	65.35%	4.561%
87	13.839	3956	3965	3980	rVB	74723	147142	3.69%	0.258%
88	13.925	3981	3992	4006	rVV10	49208	121442	3.05%	0.213%
89	13.990	4006	4012	4022	rVB3	39032	61462	1.54%	0.108%
90	14.131	4047	4056	4073	rVB2	87419	143410	3.60%	0.251%
91	14.315	4102	4113	4127	rBV3	75136	180521	4.53%	0.316%
92	14.456	4148	4157	4167	rBV4	33476	58932	1.48%	0.103%
93	14.517	4168	4176	4188	rVB3	62107	107881	2.71%	0.189%
94	14.655	4203	4219	4230	rBV9	30331	67380	1.69%	0.118%
95	14.800	4256	4264	4270	rVV3	30442	46821	1.18%	0.082%
96	14.855	4270	4281	4309	rVV	573978	1025025	25.74%	1.796%
97	14.977	4311	4319	4328	rVB9	7424	14122	0.35%	0.025%
98	15.041	4328	4339	4352	rBV	411895	702281	17.63%	1.231%
99	15.903	4600	4607	4611	rBV6	10880	14875	0.37%	0.026%
100	16.044	4643	4651	4658	rBV3	24584	40368	1.01%	0.071%

Sum of corrected areas: 57069756

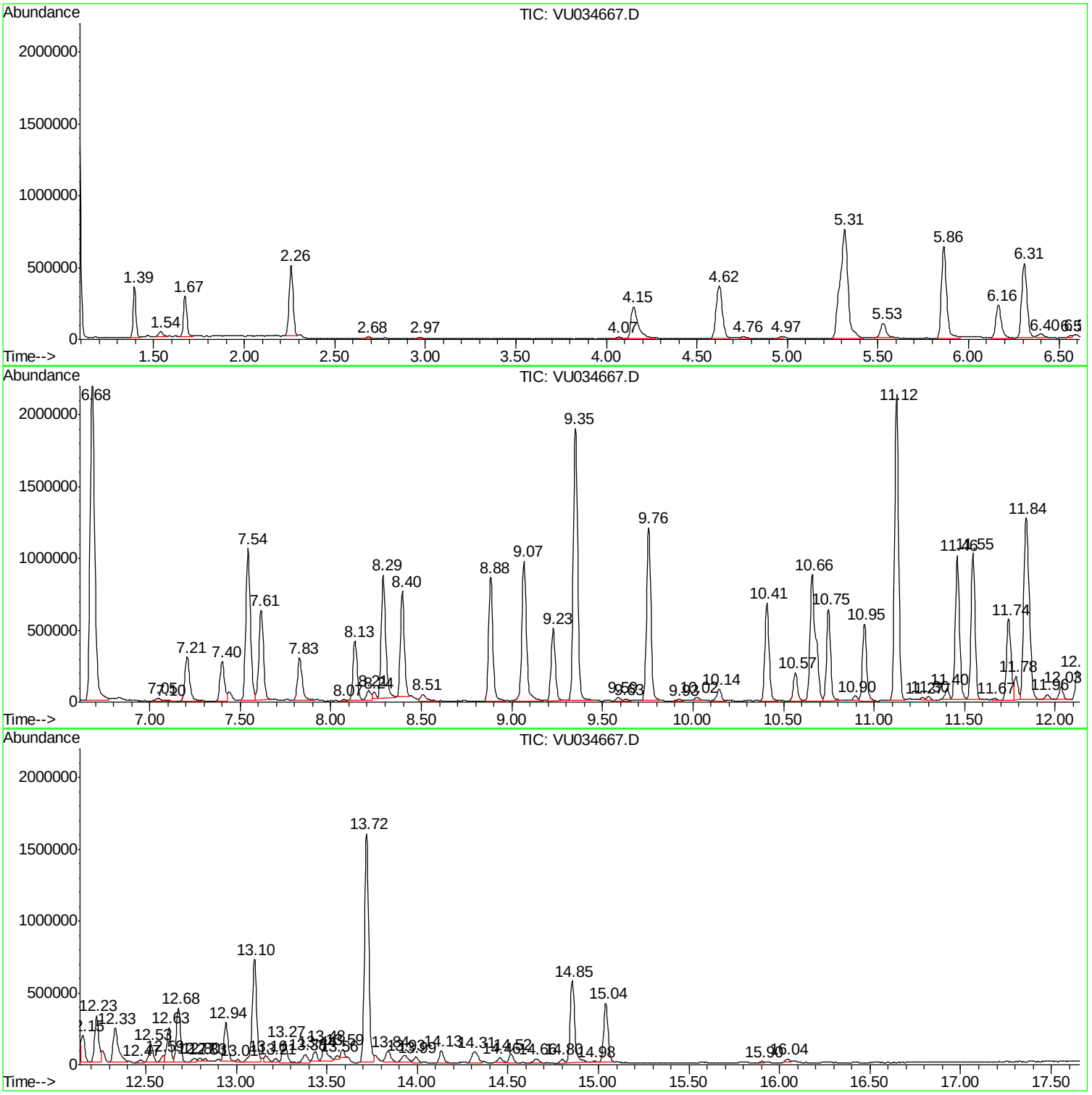
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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 : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
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ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

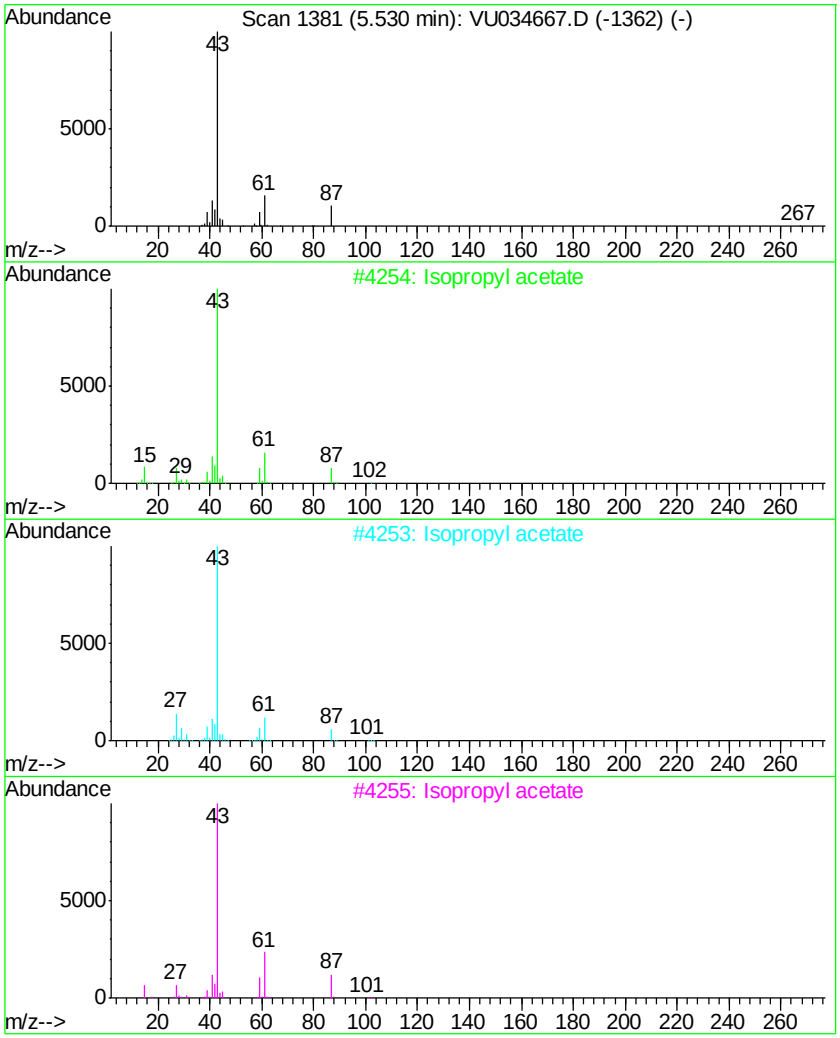
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

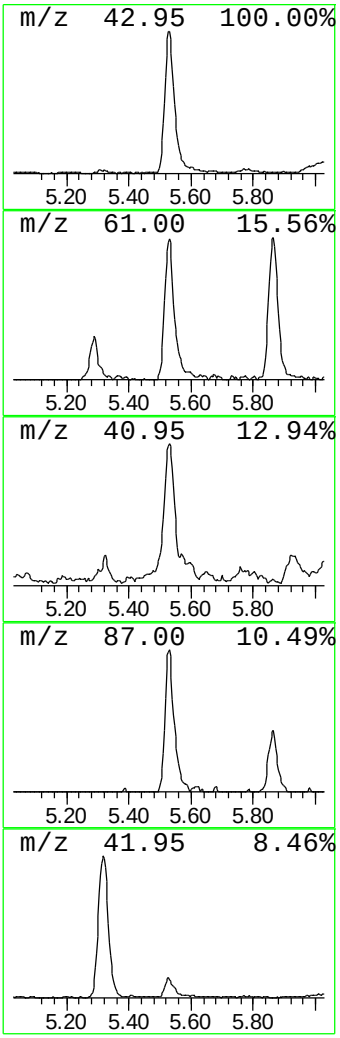
****

Peak Number 1 Isopropyl acetate Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.72 ug/L	226428	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	56
4	1,1-Ethanediol, diacetate	146	C6H10O4	000542-10-9	9
5	Cyclobutylamine	71	C4H9N	002516-34-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

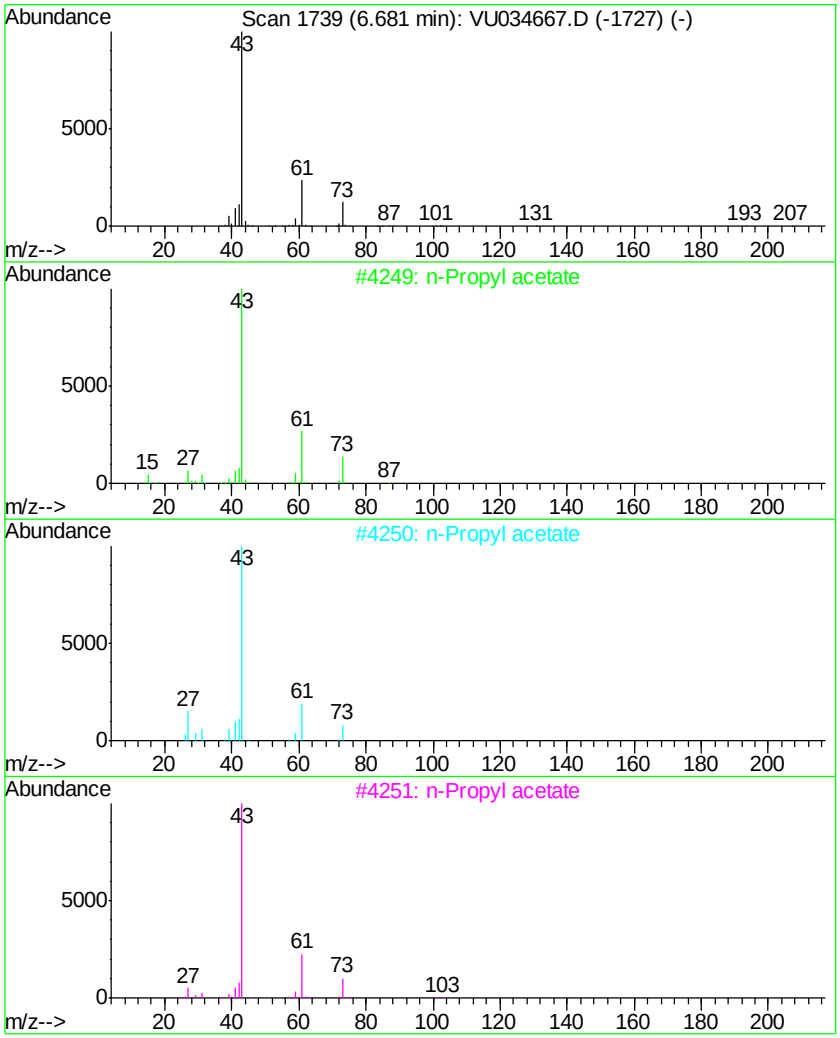
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

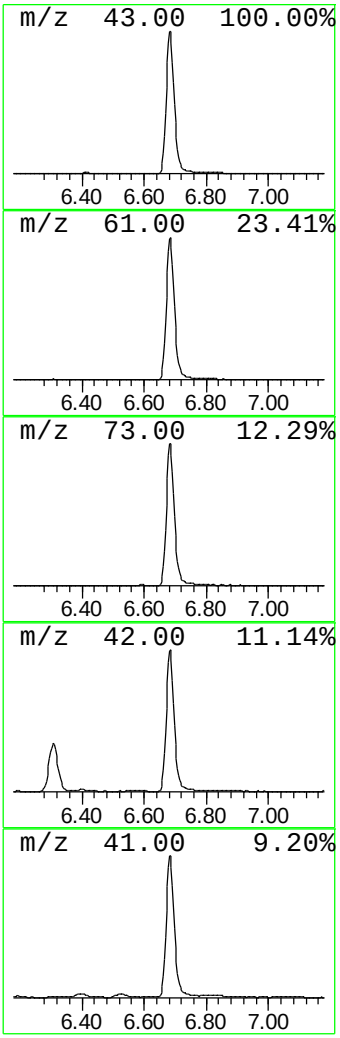
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	153.46 ug/L	3982610	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	38
5	Isobutylamine	73	C4H11N	000078-81-9	7





Library Search Compound Report

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ClientSampleId : BFDJ1

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

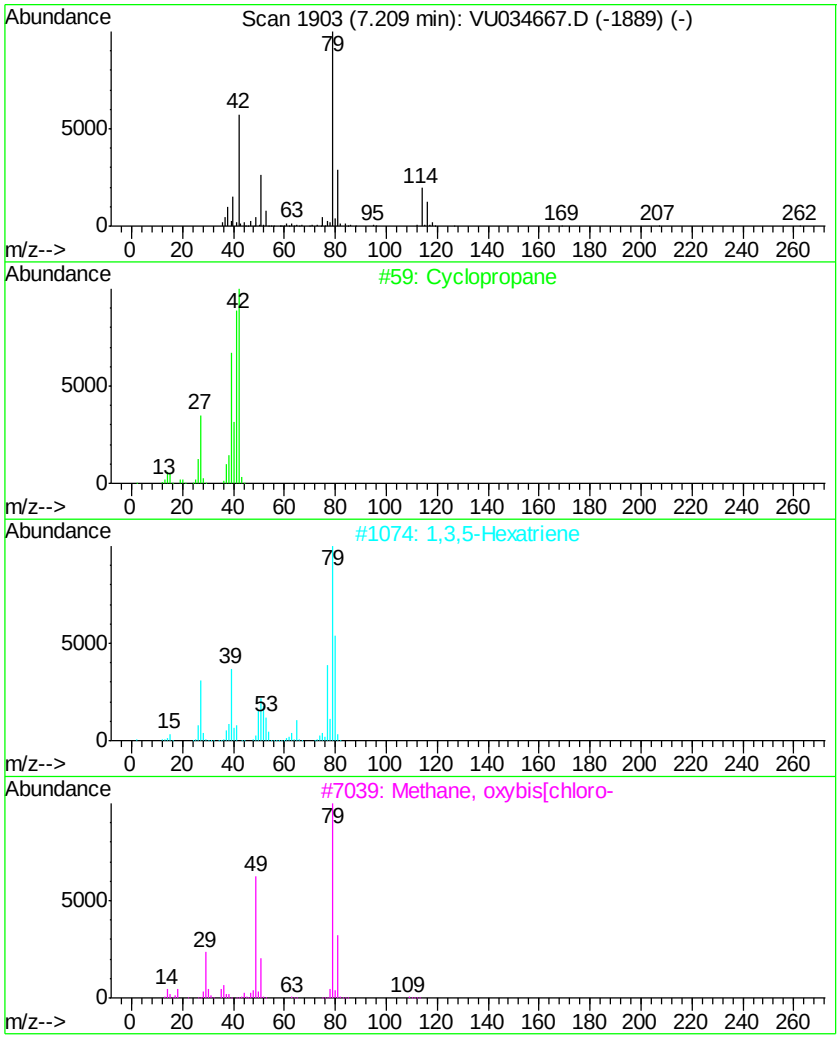
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

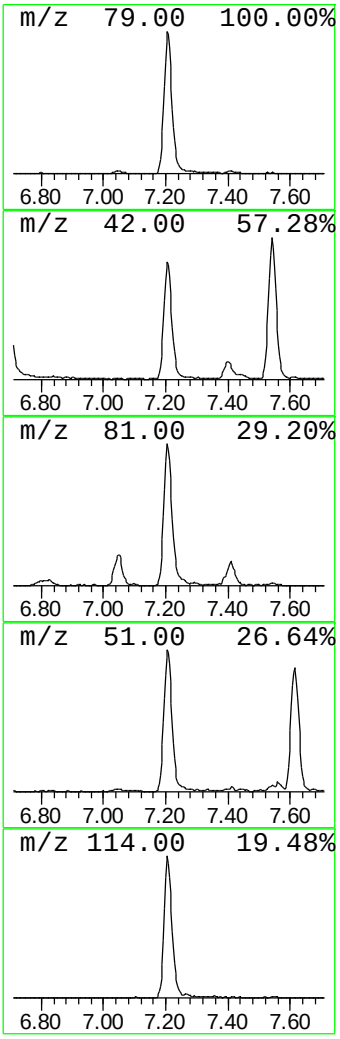
****

Peak Number 3 (DEL) Alkane: Cyclic7.21 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	22.43 ug/L	582083	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane	42	C3H6	000075-19-4	9
2	1,3,5-Hexatriene	80	C6H8	002235-12-3	9
3	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	9
4	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	9
5	1,3-Cyclohexadiene	80	C6H8	000592-57-4	9





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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

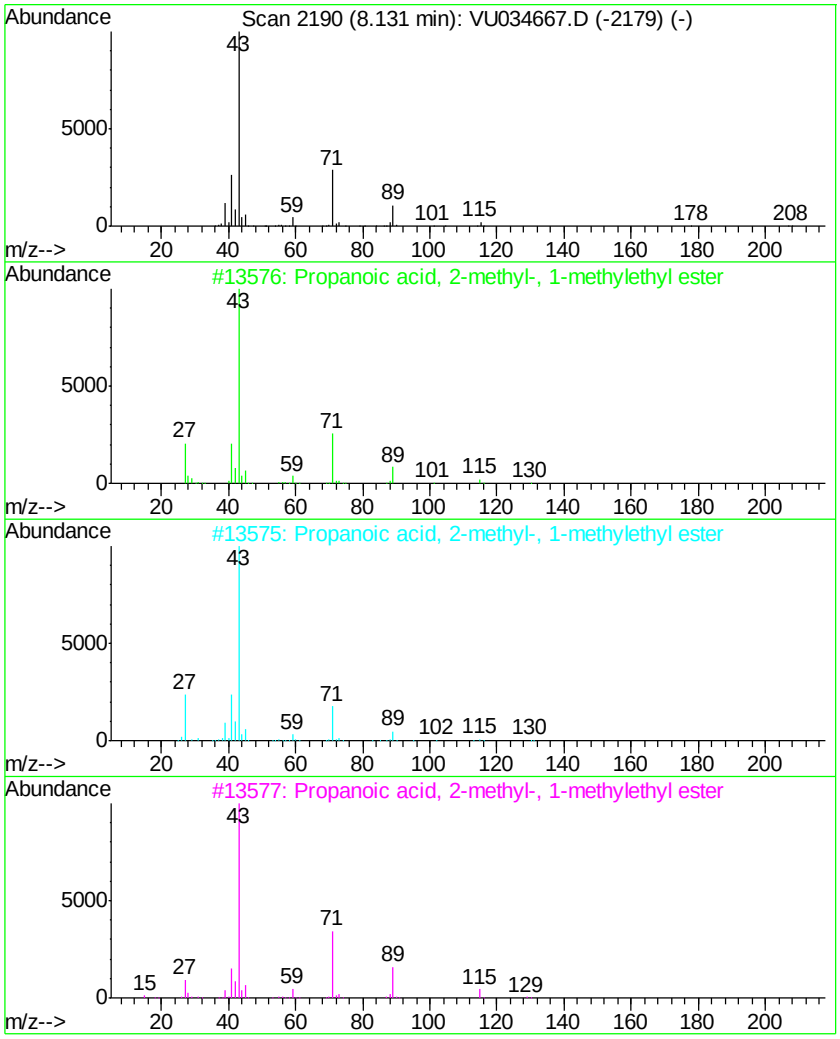
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

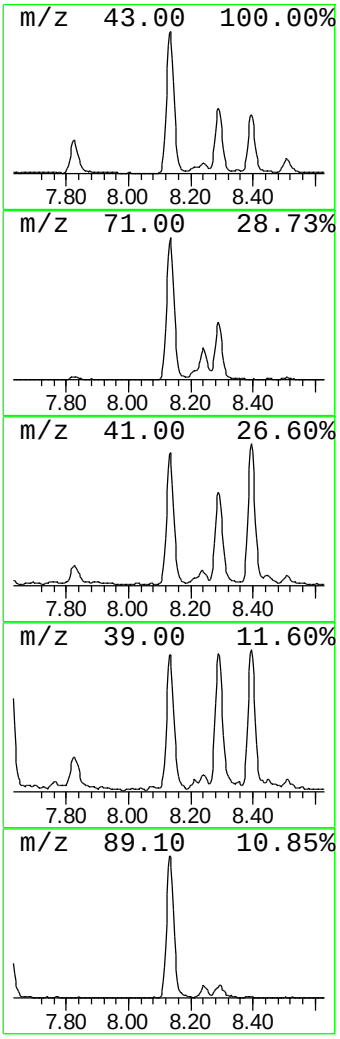
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	20.12 ug/L	688566	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	83
4	Propanoic acid, 2-methyl-, pentyl...	158	C9H18O2	002445-72-9	38
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	33





Library Search Compound Report

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Data File : VU034667.D
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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

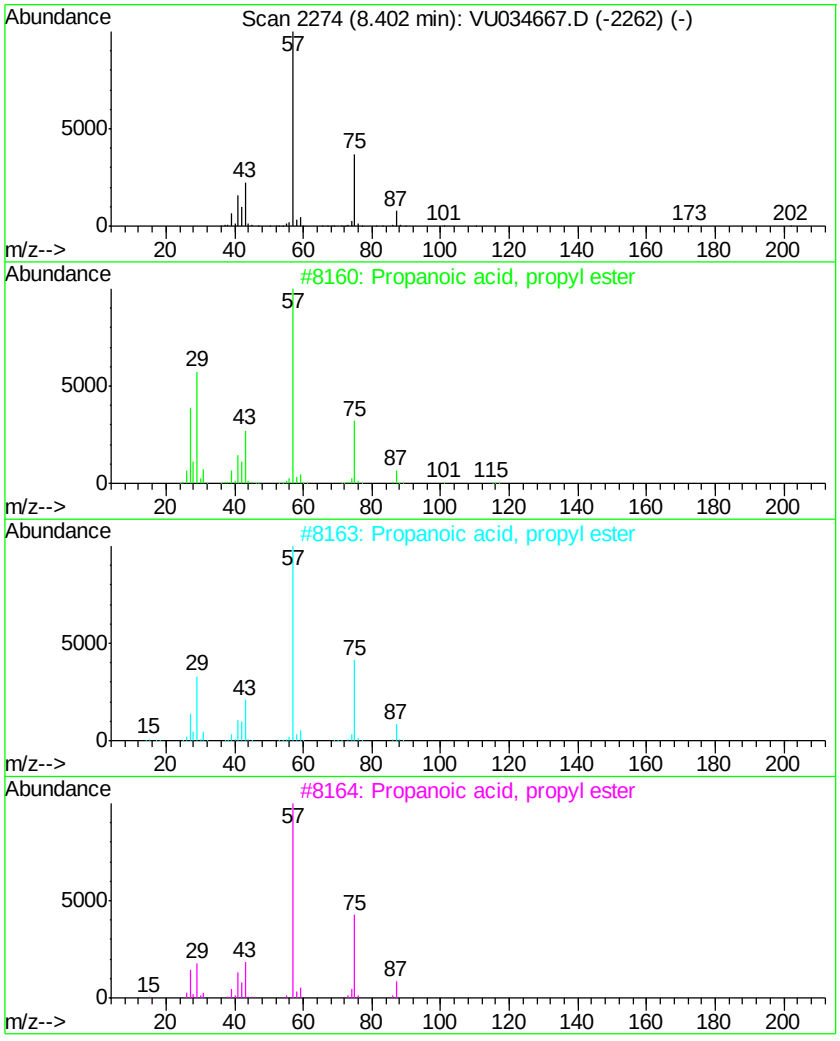
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

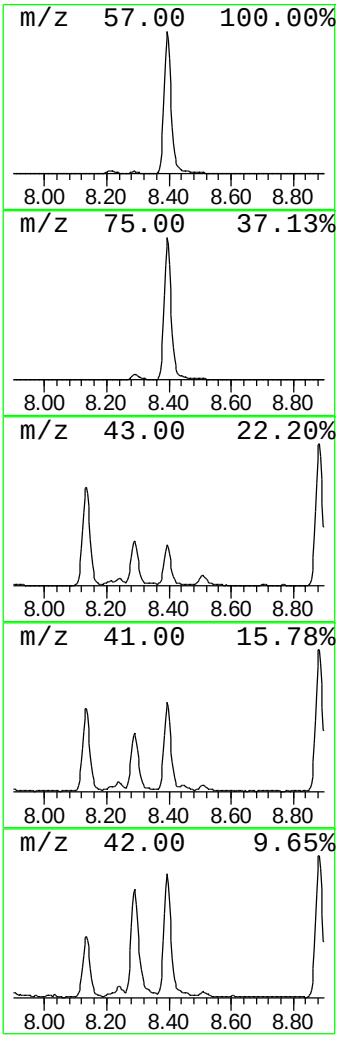
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	32.95 ug/L	1127650	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





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Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

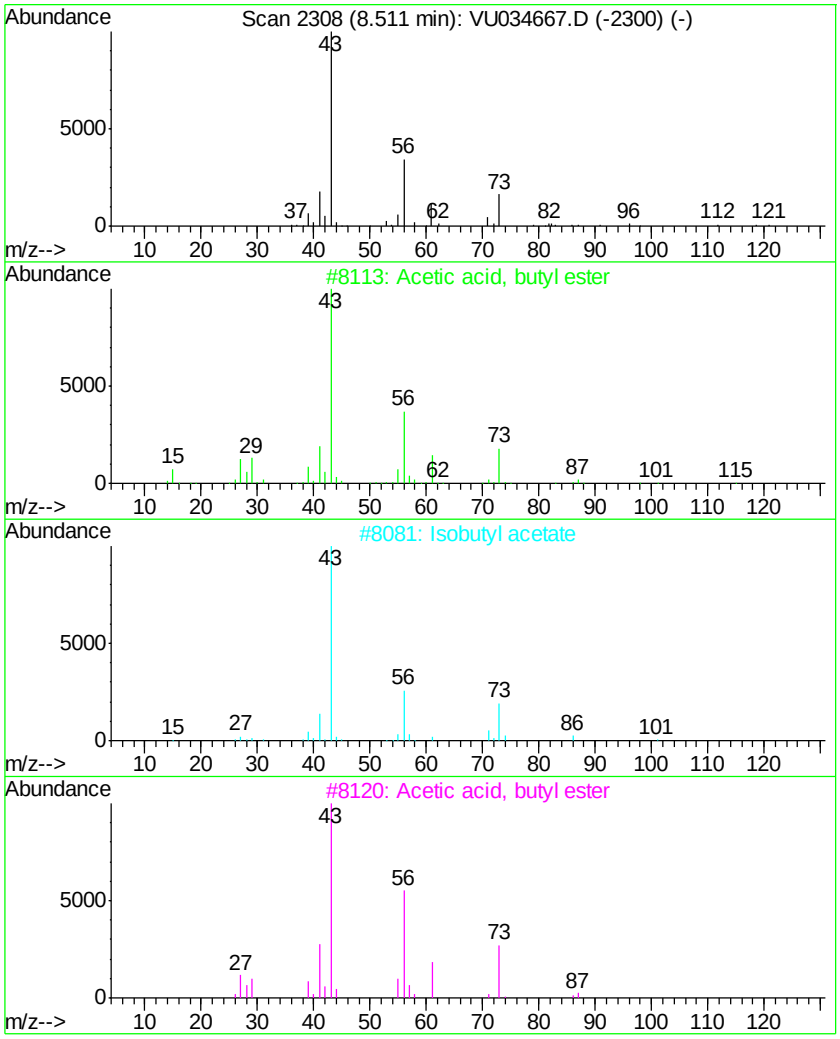
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

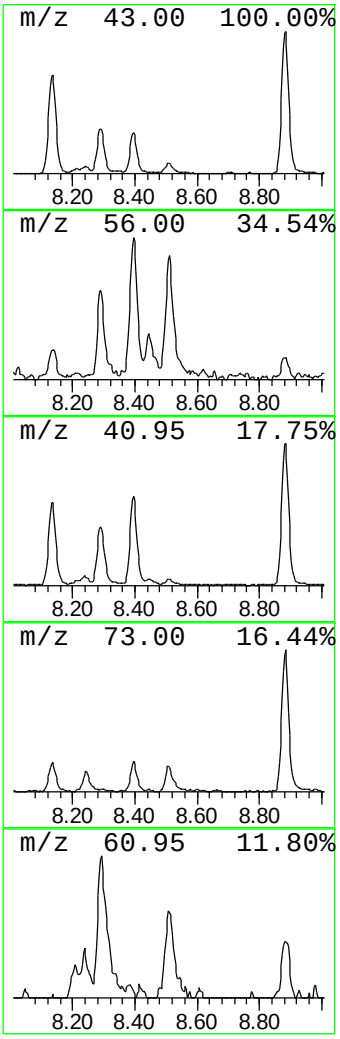
****

Peak Number 6 Acetic acid, butyl ester Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.77 ug/L	94735	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	56
2	Isobutyl acetate	116	C6H12O2	000110-19-0	45
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	38
4	Isobutyl acetate	116	C6H12O2	000110-19-0	38
5	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

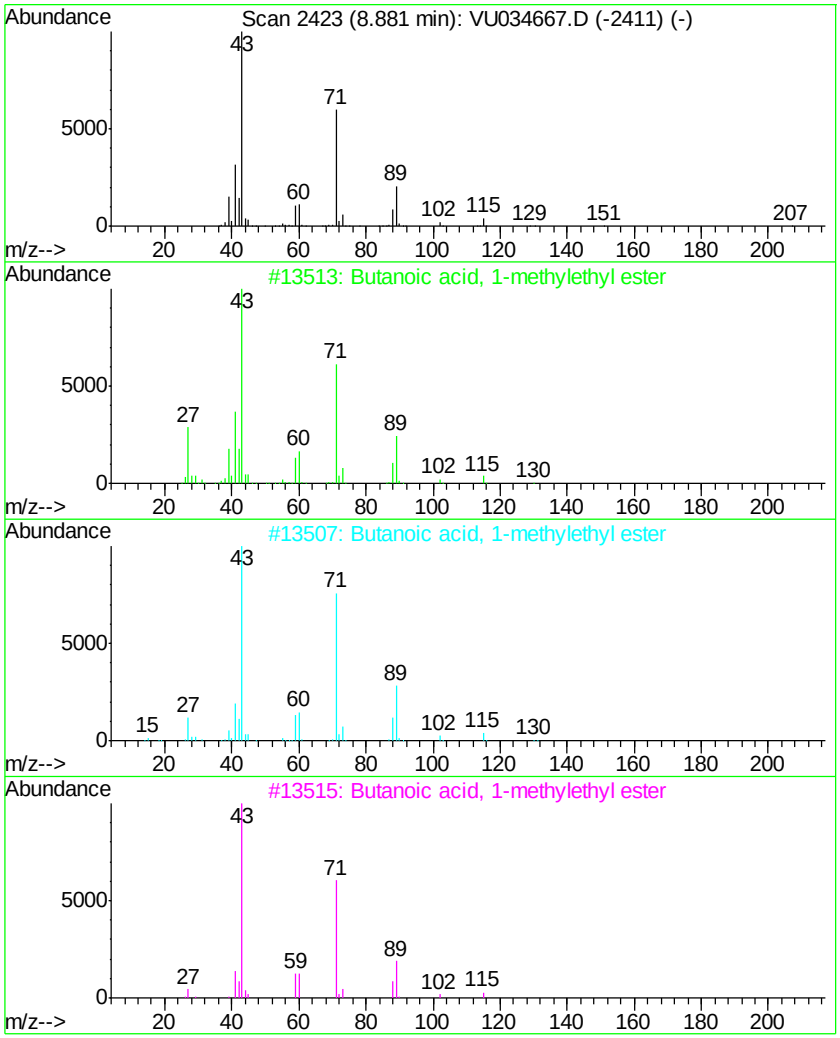
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

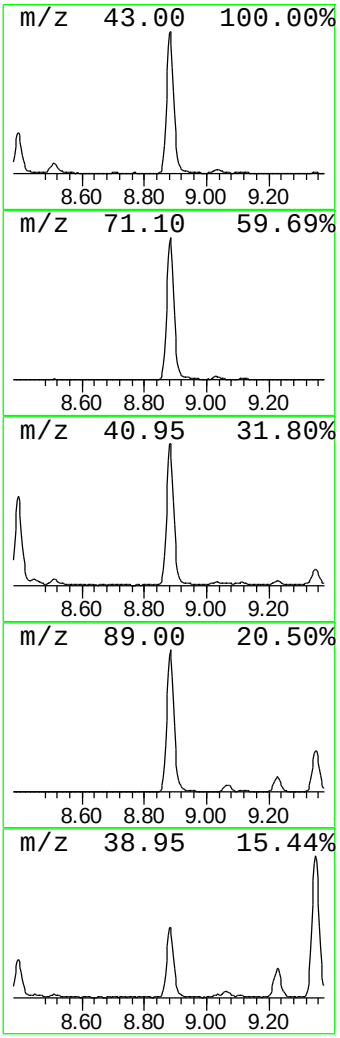
****

Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	41.01 ug/L	1403550	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	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

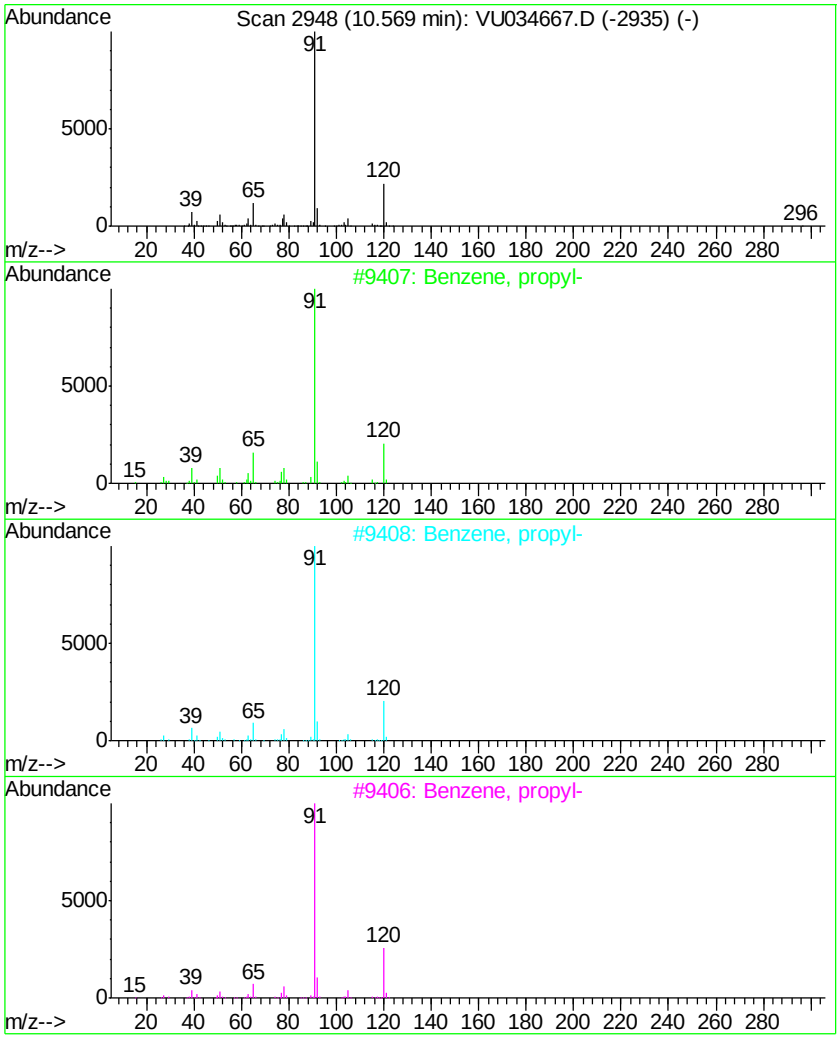
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

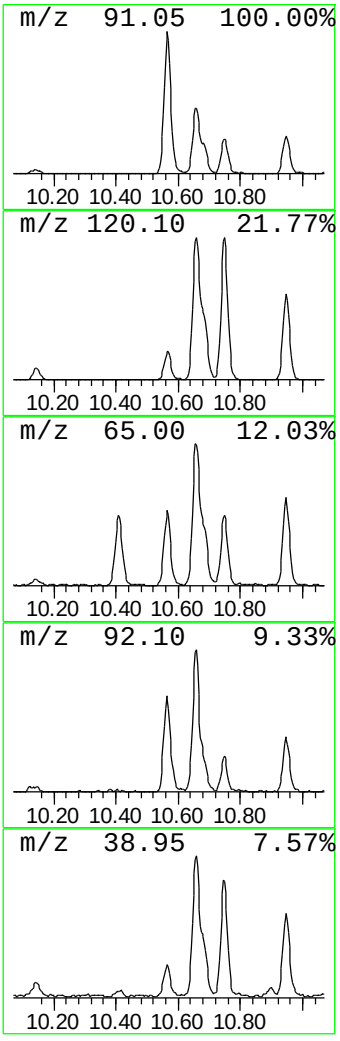
****

Peak Number 8 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	9.63 ug/L	314265	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

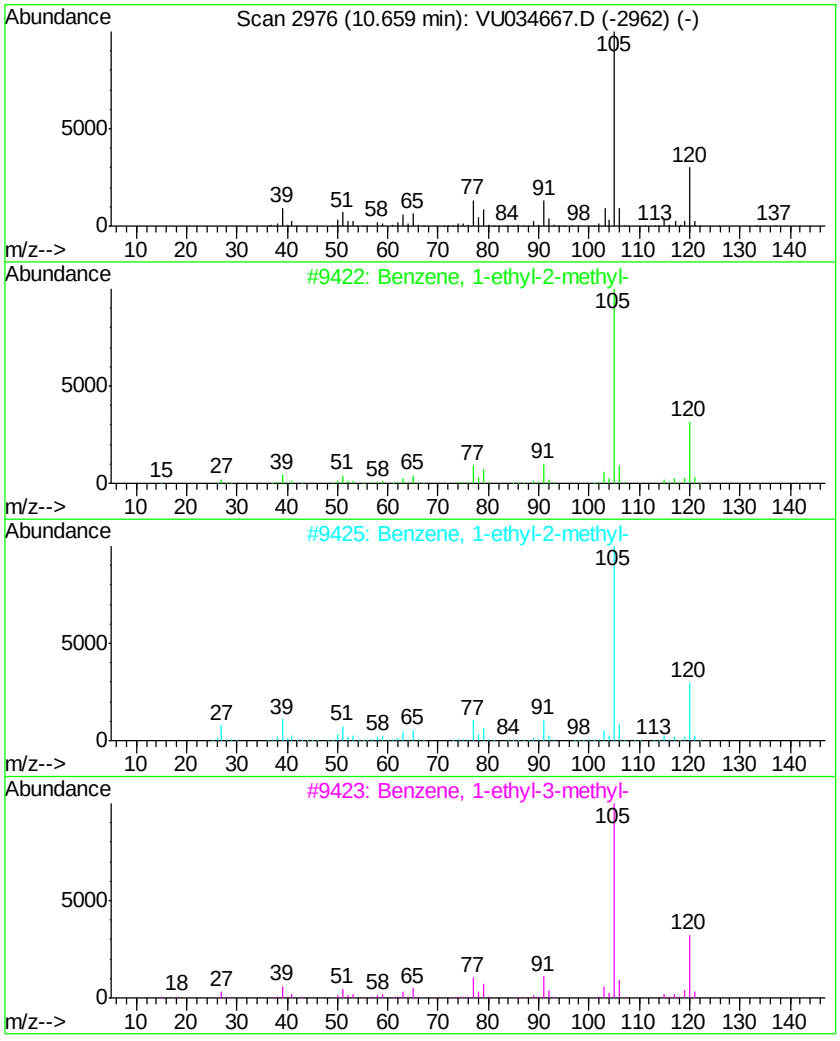
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

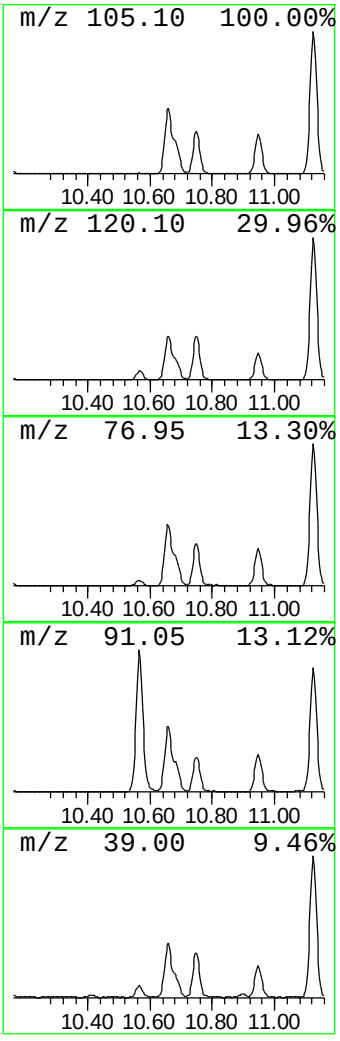
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	58.44 ug/L	1906370	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

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Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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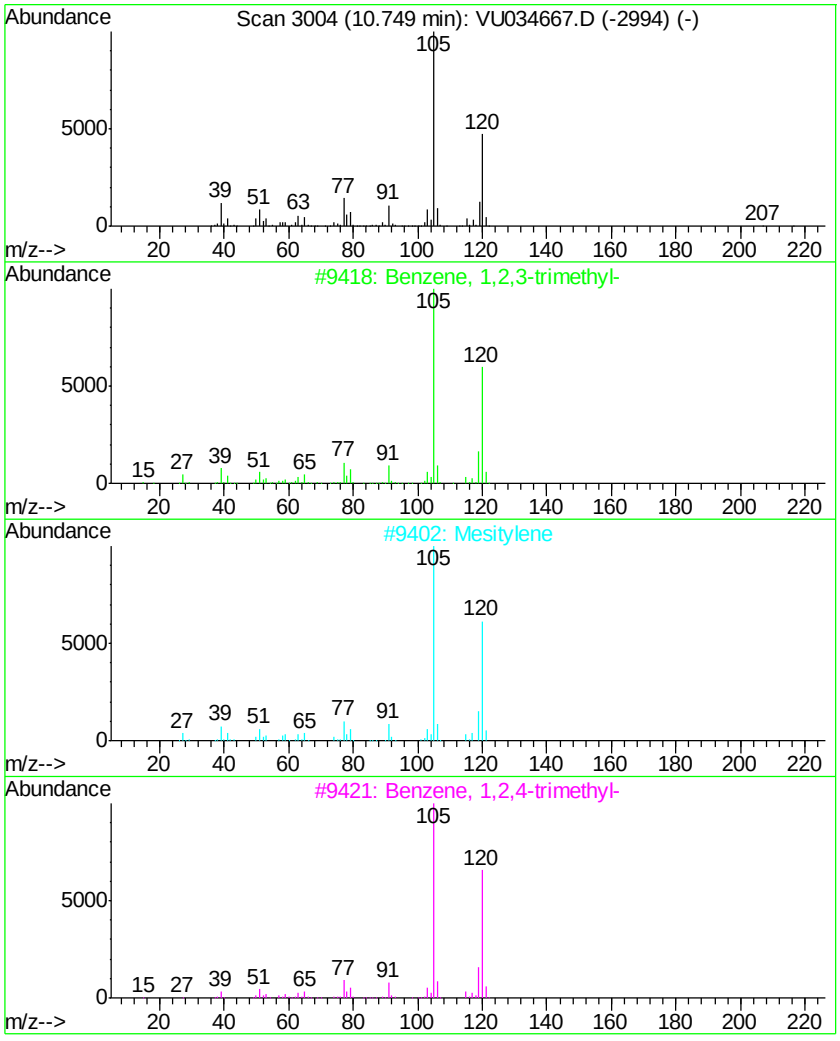
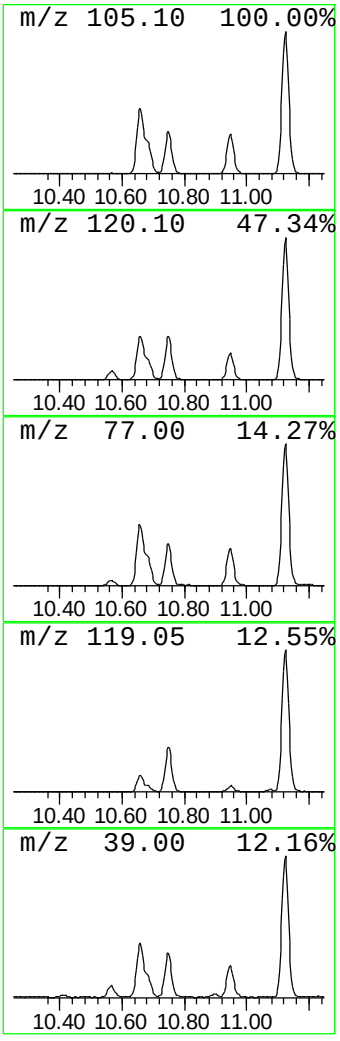
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	30.45 ug/L	993309	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

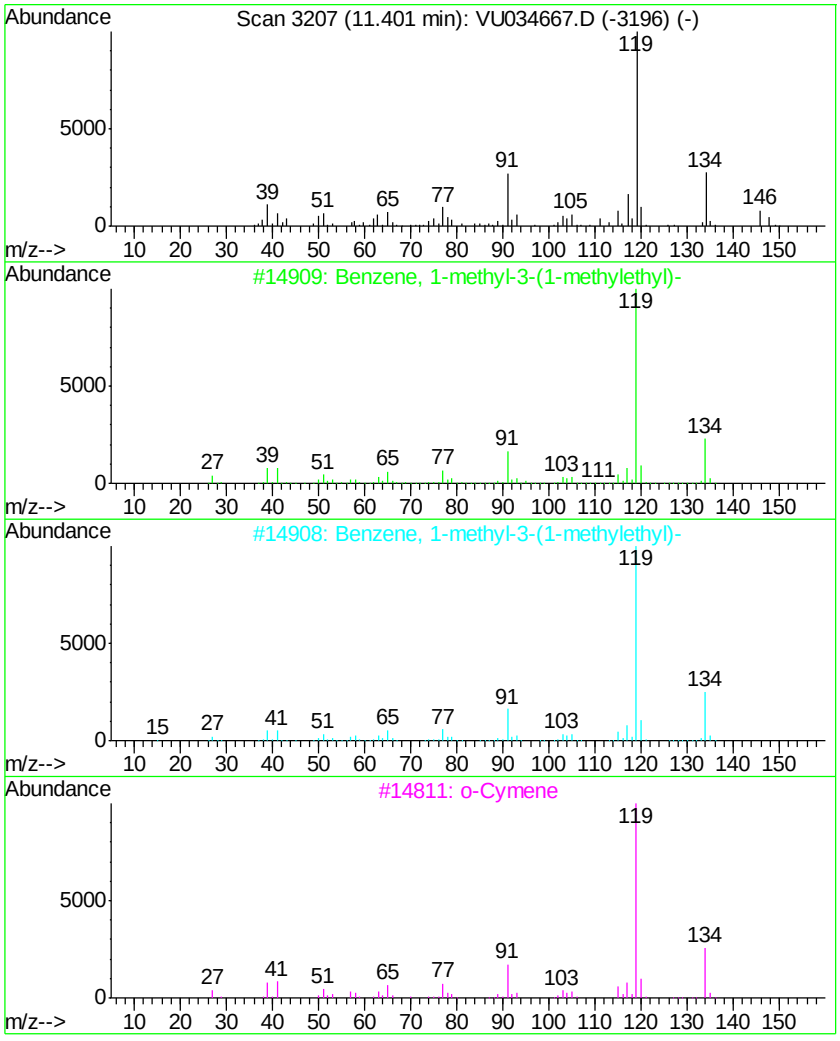
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

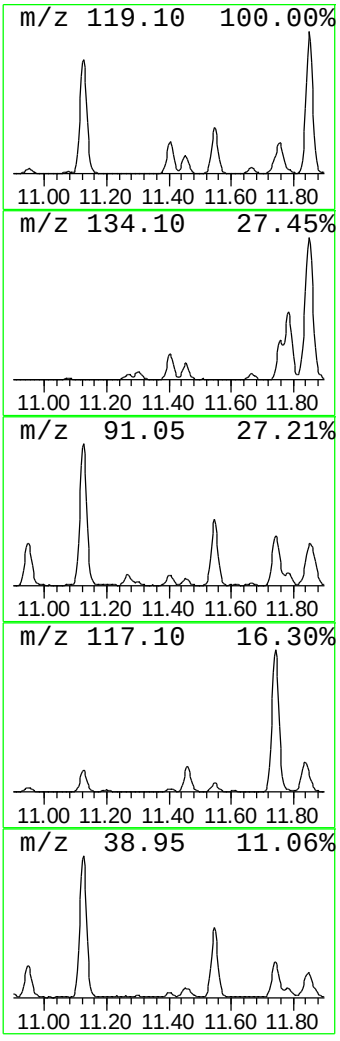
****

Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.84 ug/L	125299	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
3	o-Cymene	134	C10H14	000527-84-4	93
4	p-Cymene	134	C10H14	000099-87-6	93
5	o-Cymene	134	C10H14	000527-84-4	93





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

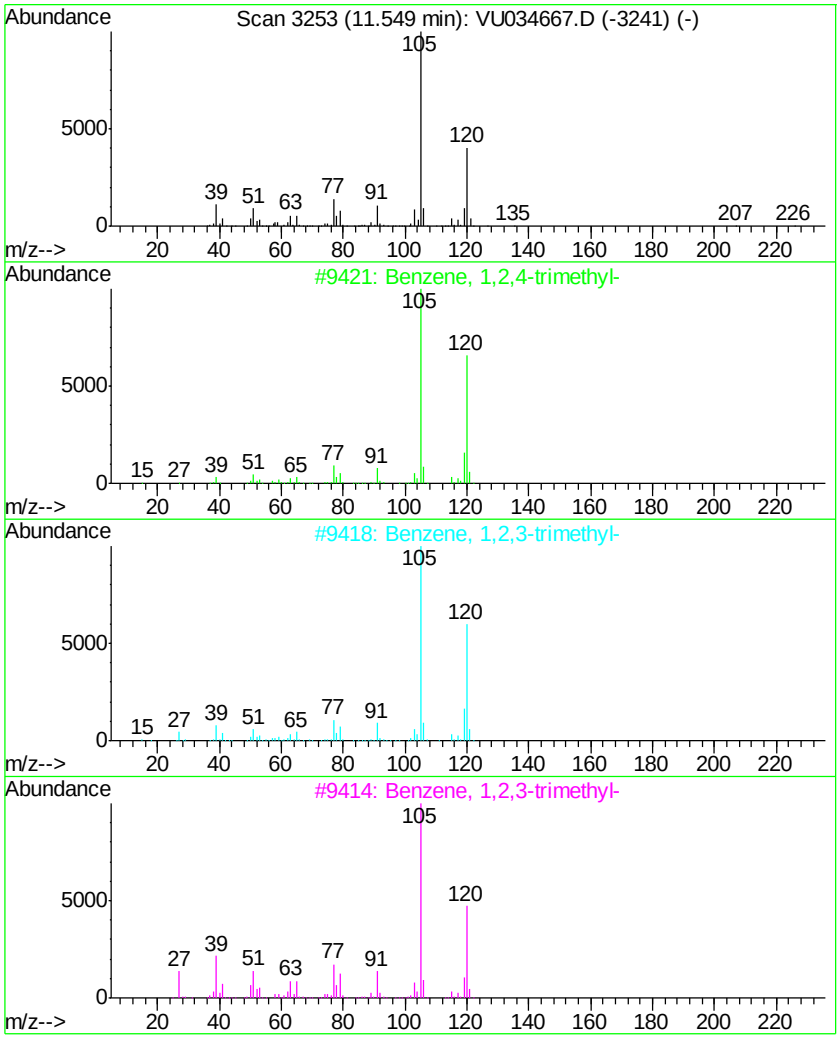
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

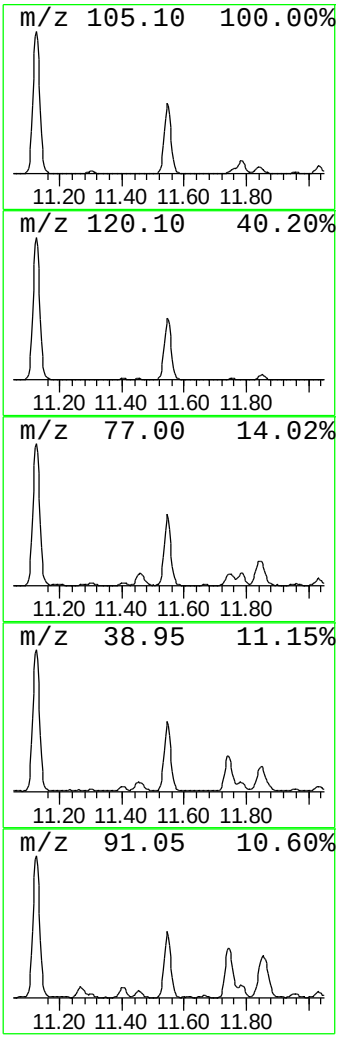
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	47.35 ug/L	1544680	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

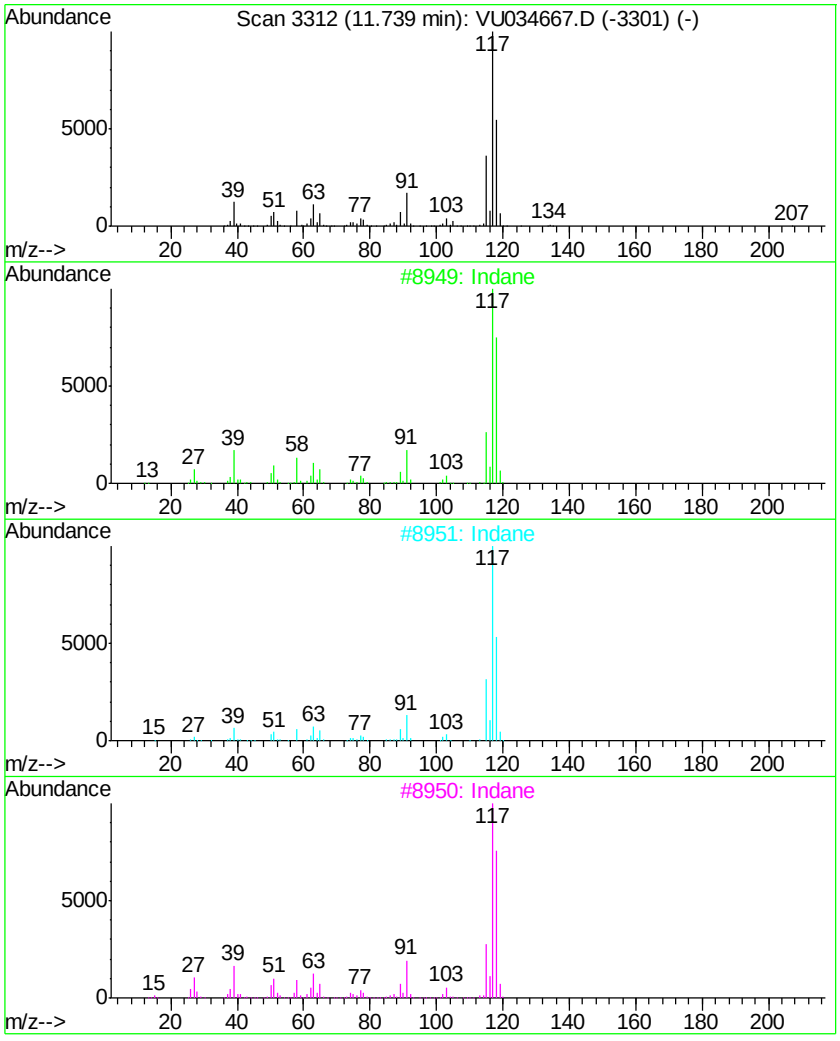
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

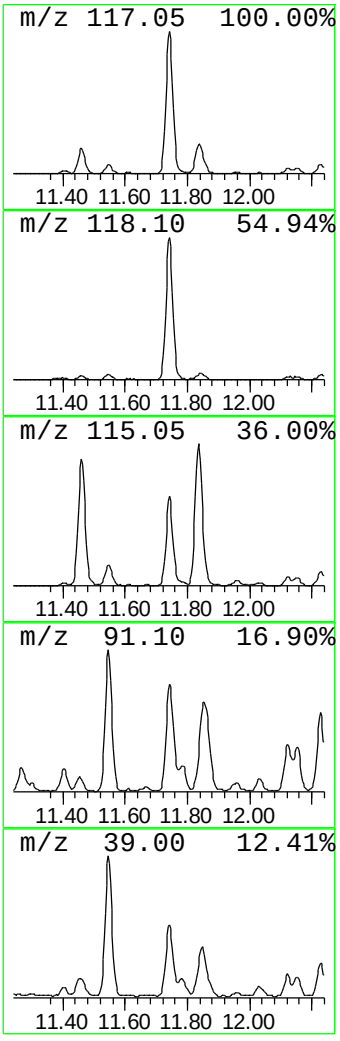
****

Peak Number 15 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	30.36 ug/L	990156	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	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74





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Acq On : 19 Sep 2019 23:23
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Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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-methyl-2-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	7.15 ug/L	233335	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	80
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
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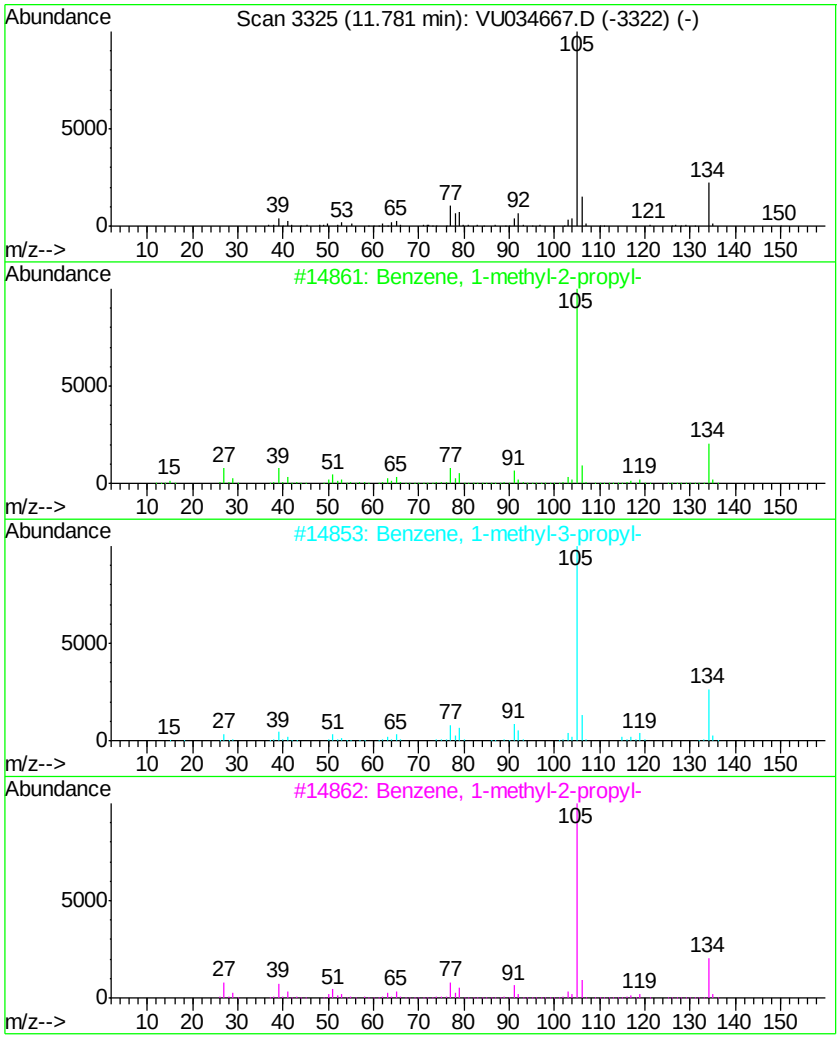

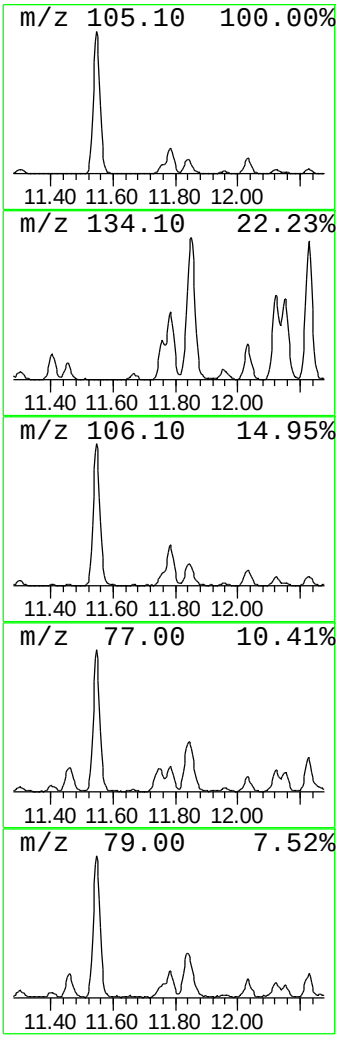

Library Search Compound Report

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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

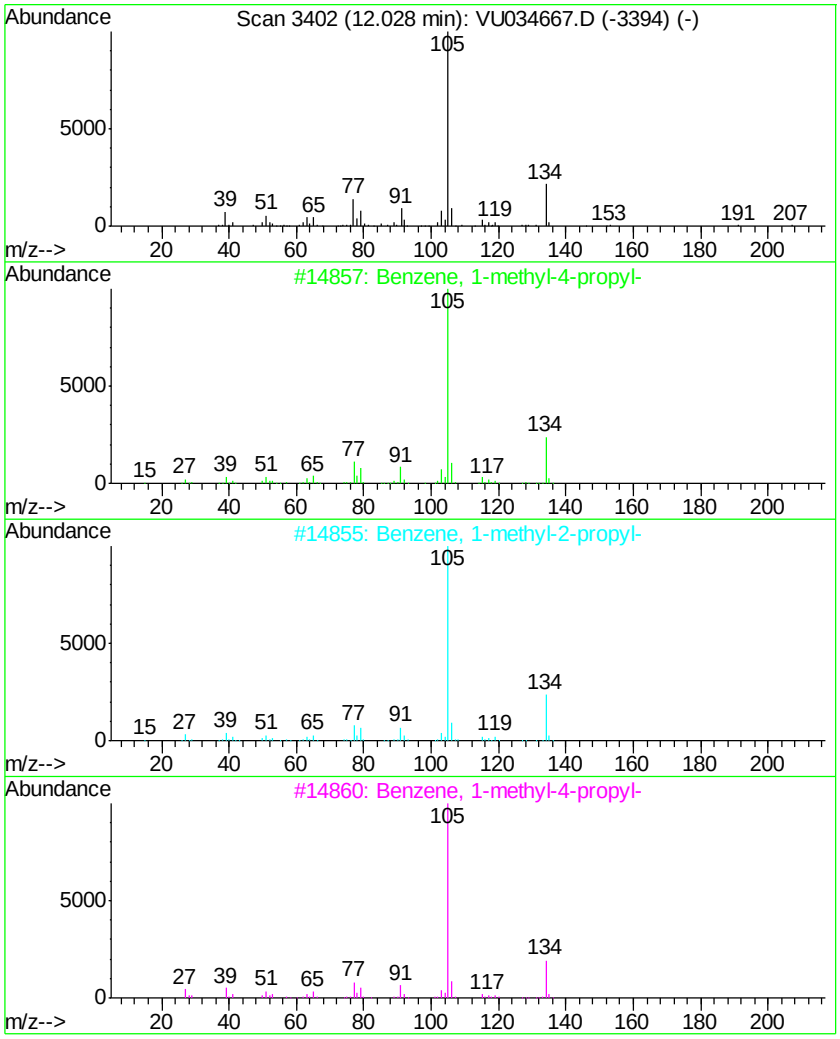
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

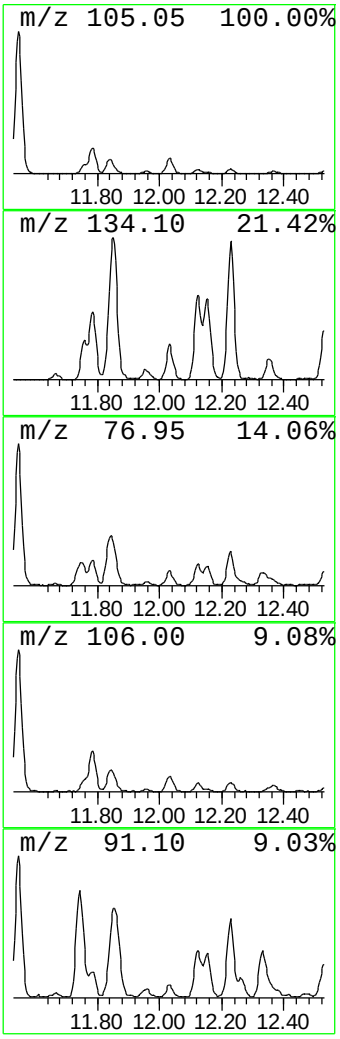
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-methyl-4-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.27 ug/L	139216	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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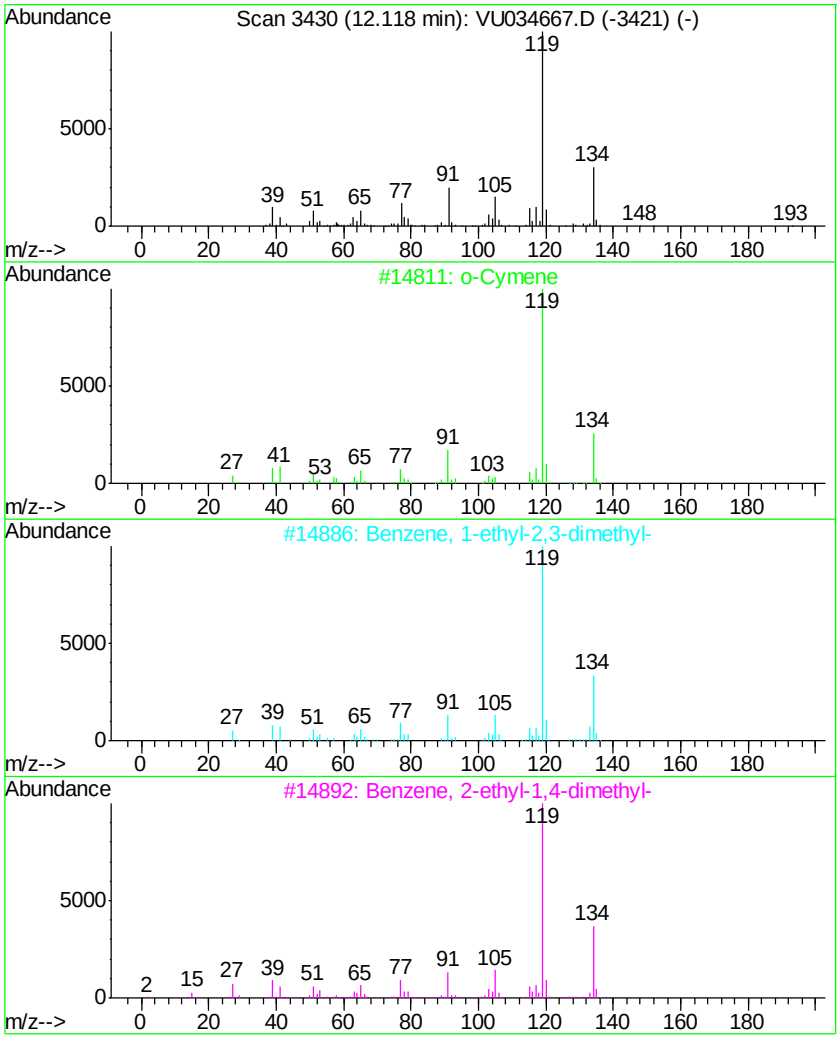
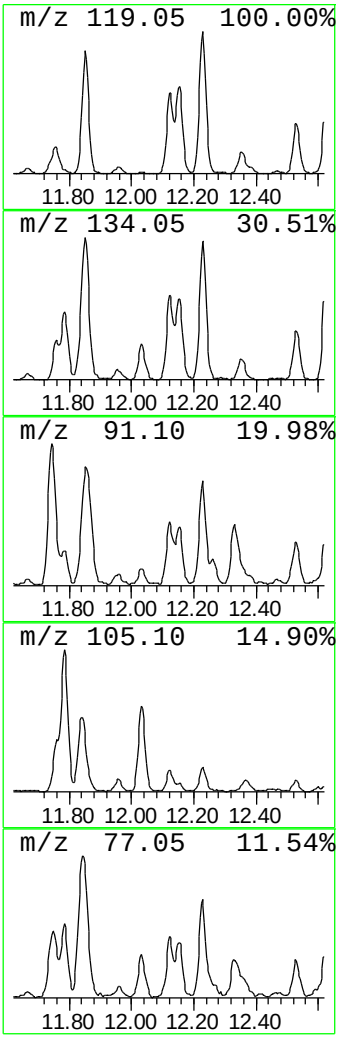
Peak Number 18 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.30 ug/L	303211	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

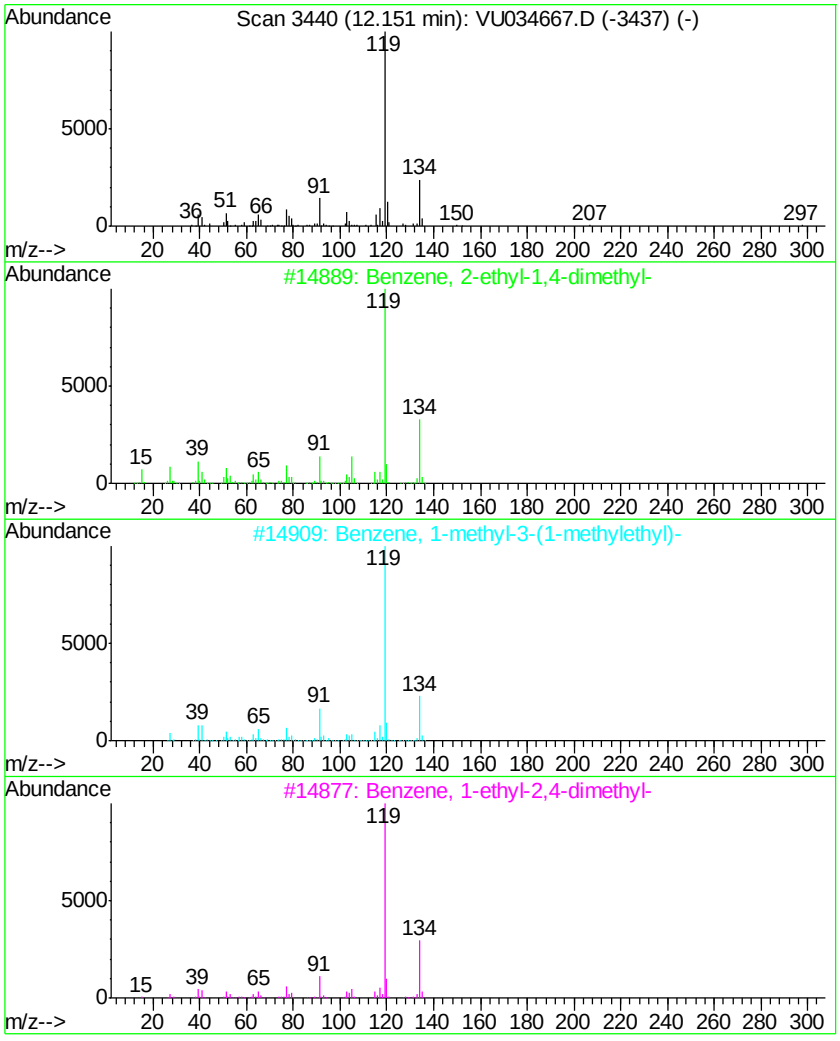
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

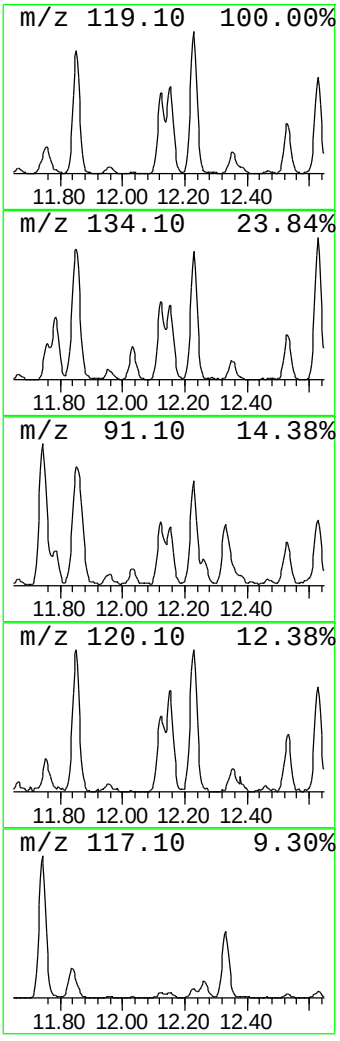
****

Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	7.52 ug/L	245346	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	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	o-Cymene	134	C10H14	000527-84-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

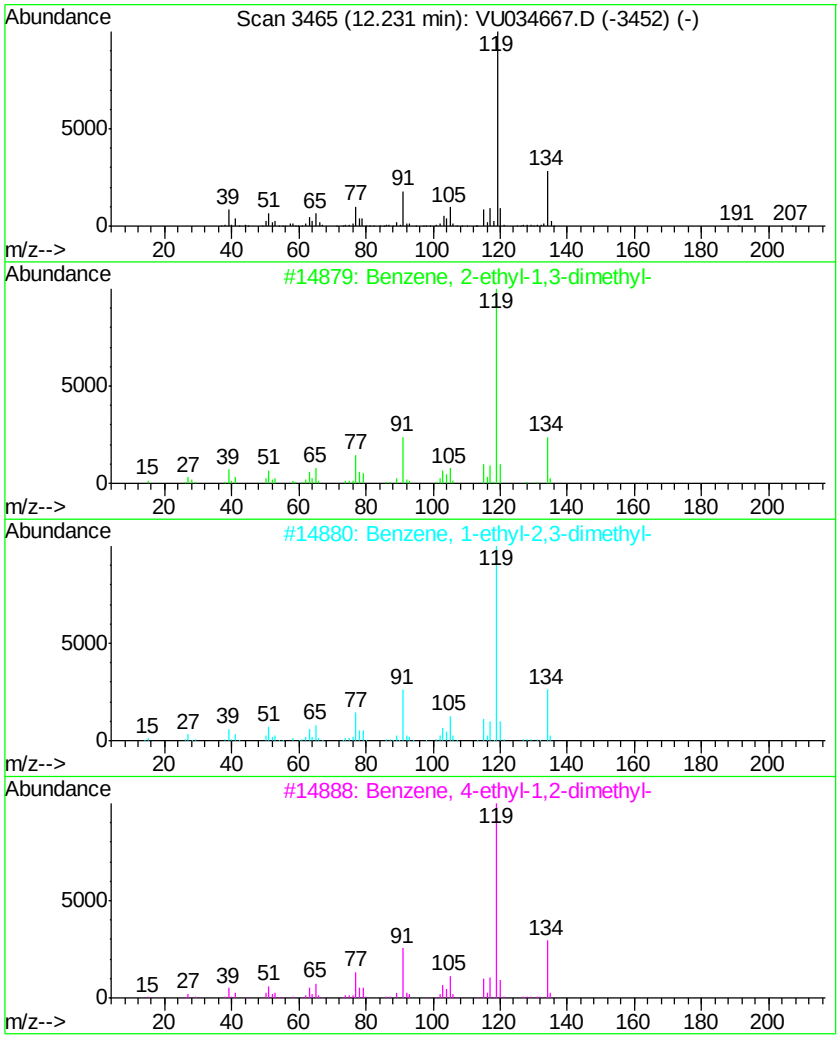
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

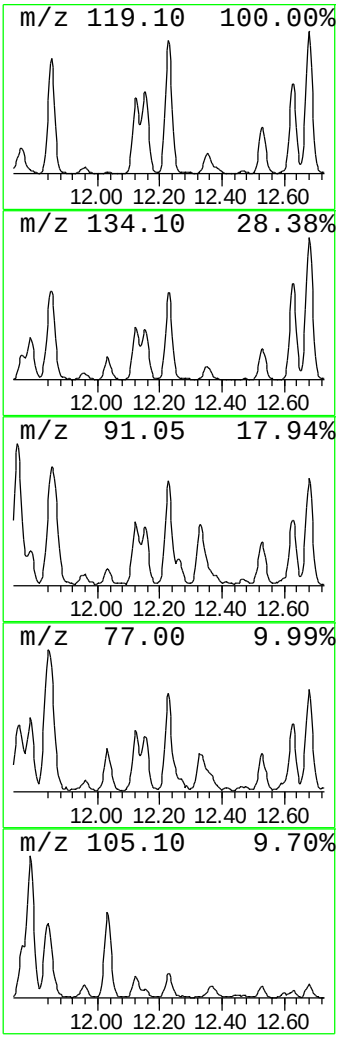
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	15.99 ug/L	521509	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	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

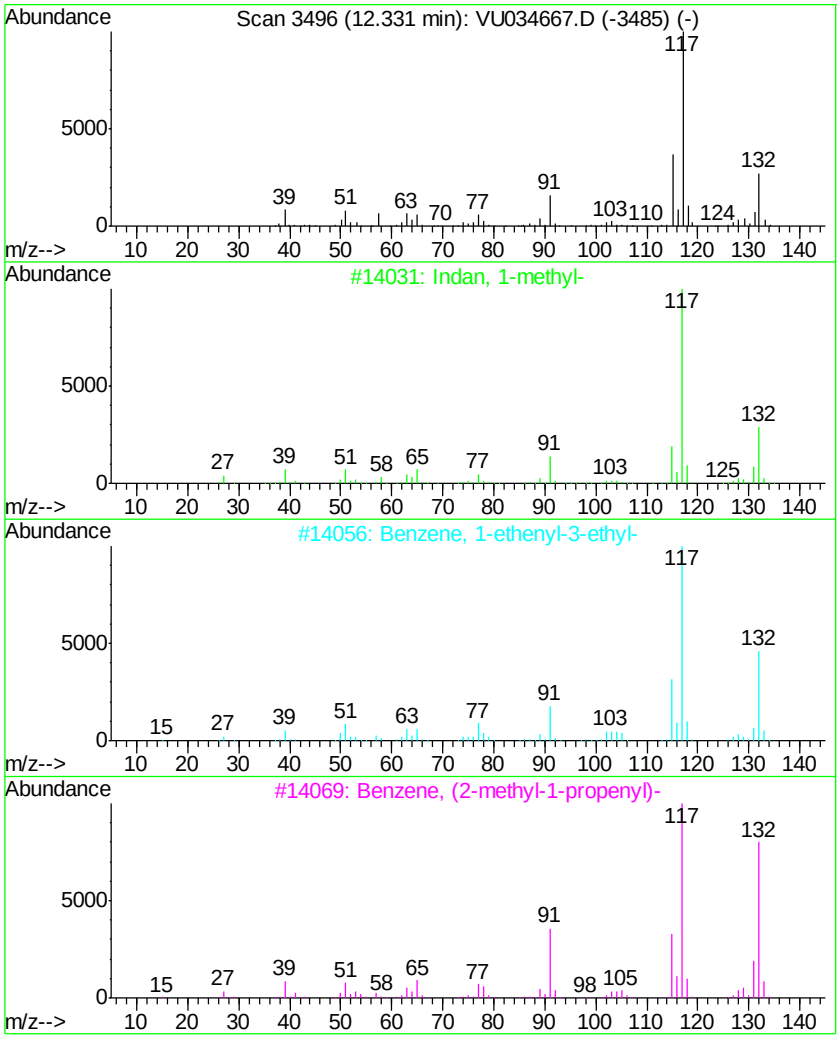
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

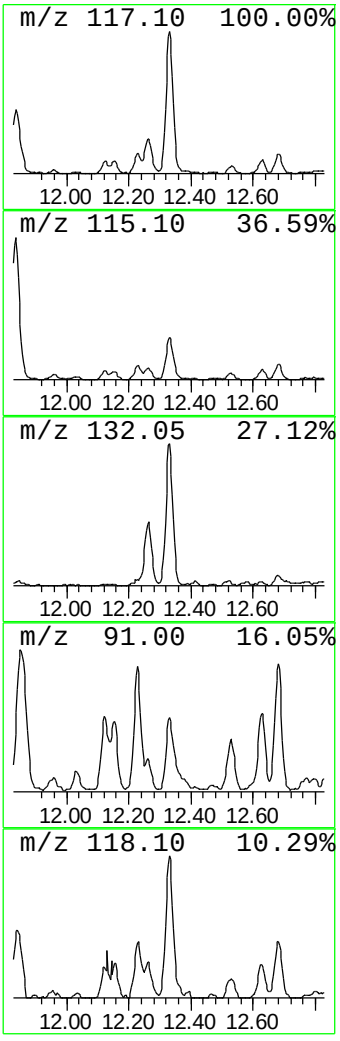
****

Peak Number 21 Indan, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	15.24 ug/L	497208	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





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Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

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

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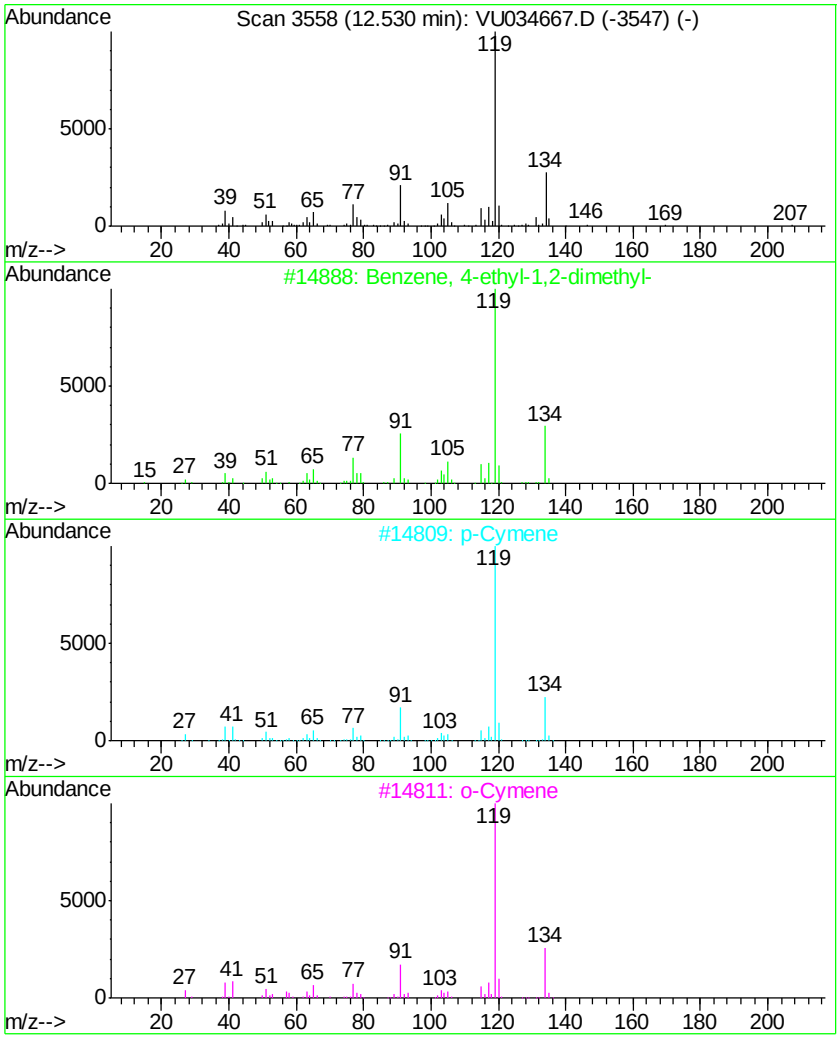
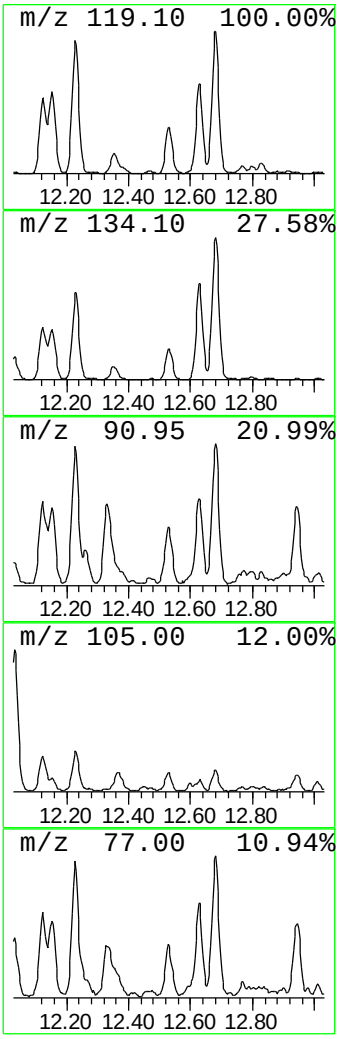
Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.41 ug/L	209015	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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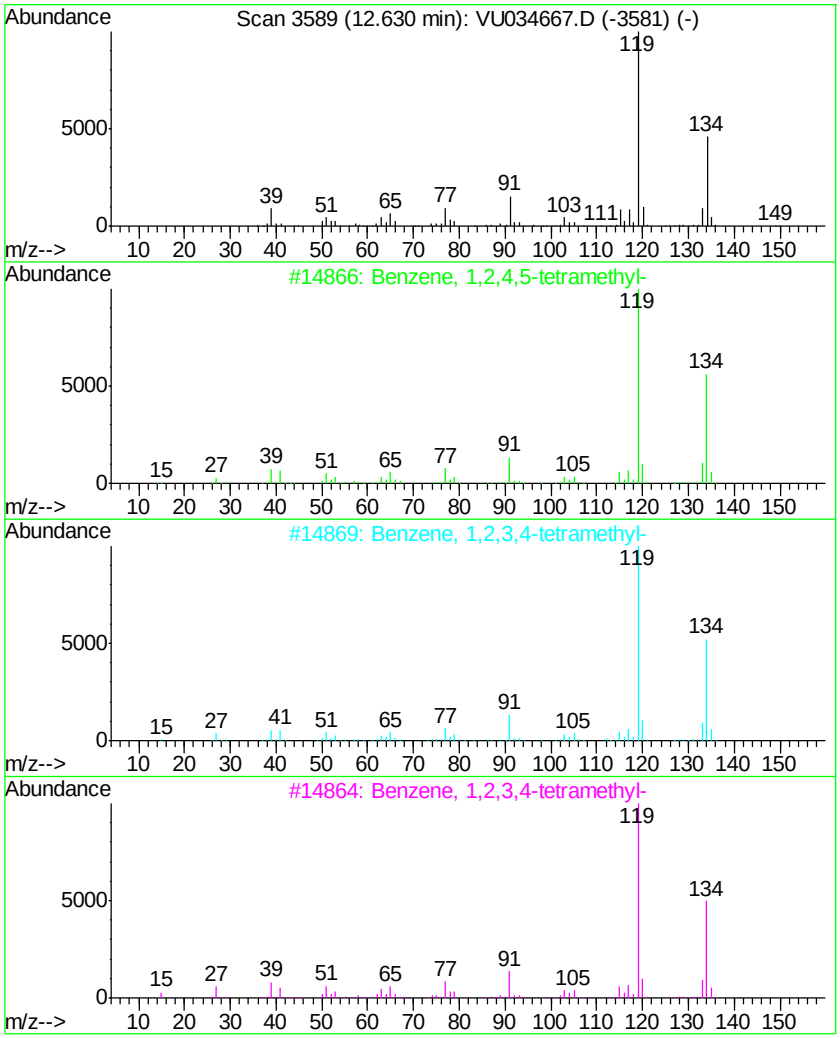
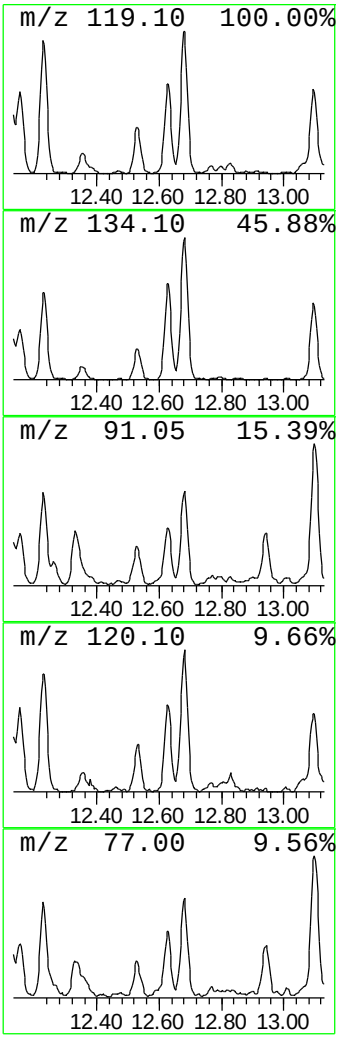
Peak Number 23 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	11.39 ug/L	371389	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	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

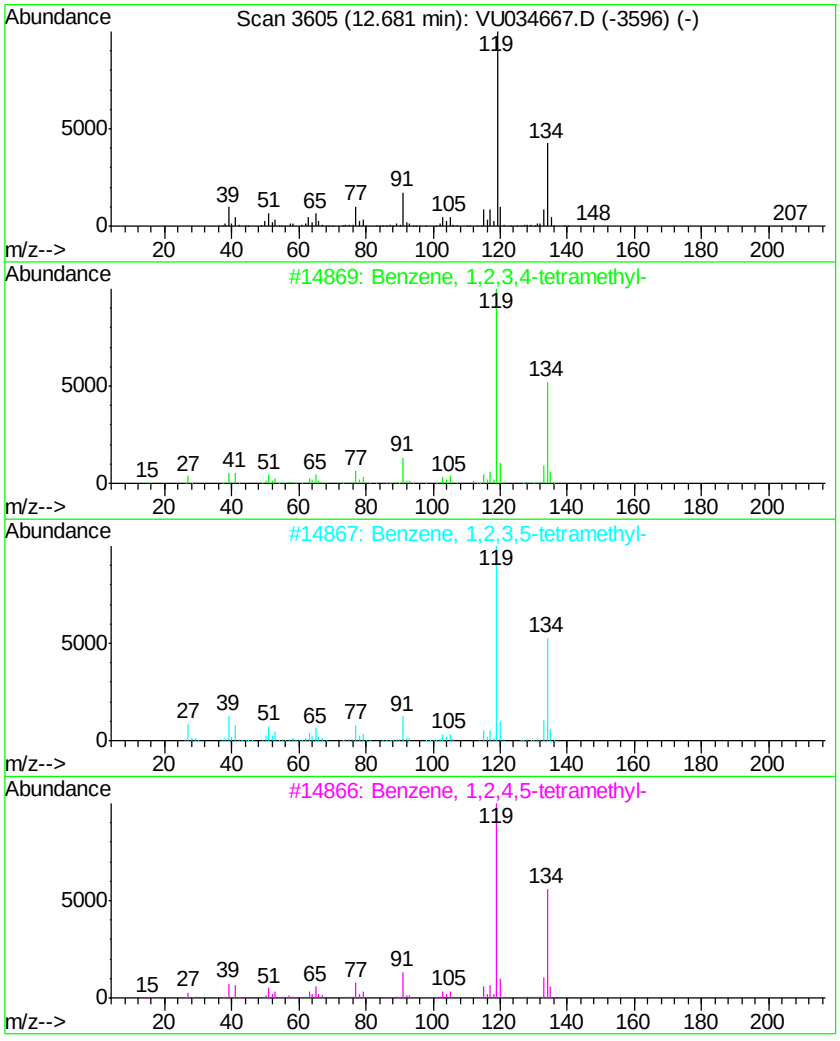
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

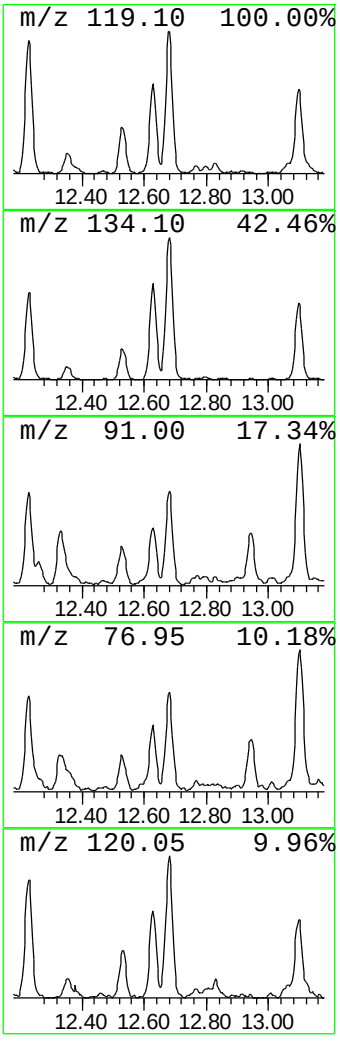
****

Peak Number 24 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	17.99 ug/L	586778	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	96
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

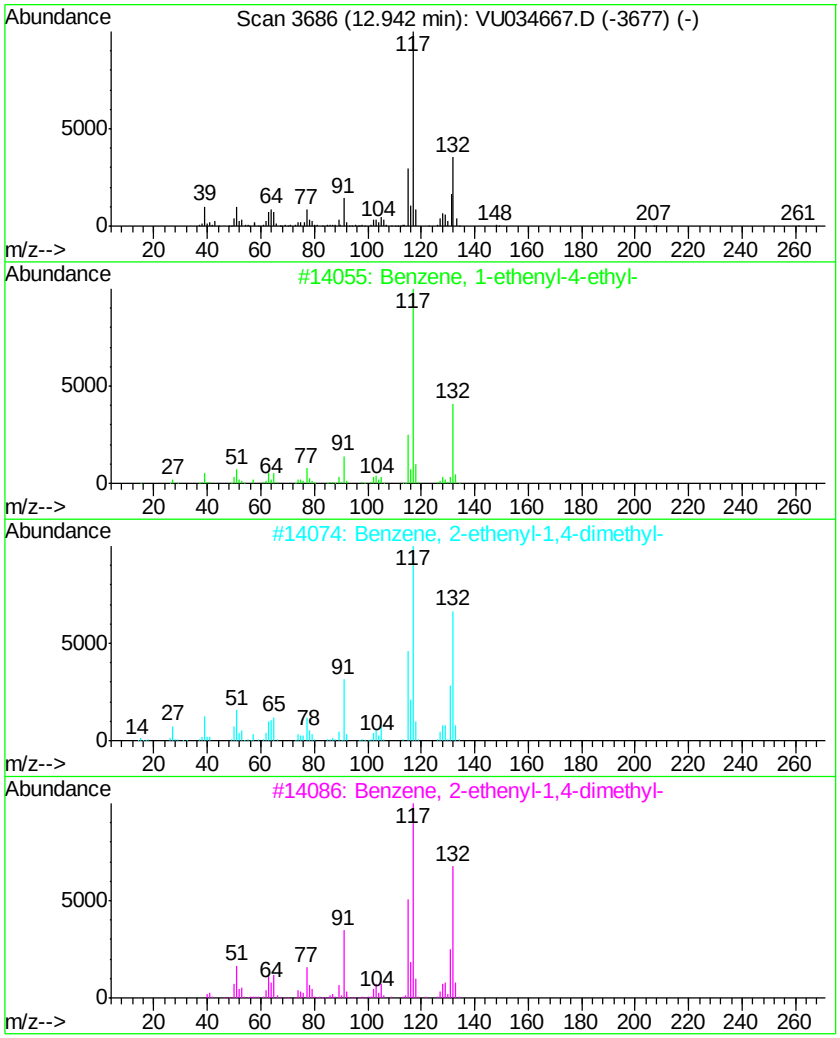
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

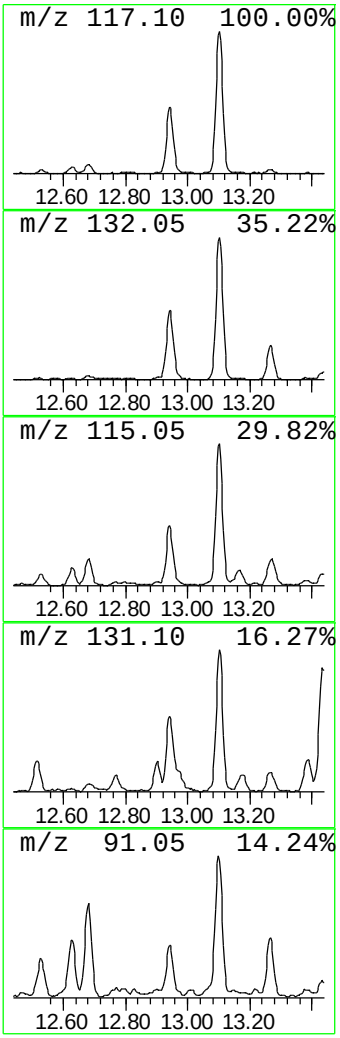
****

Peak Number 25 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	13.11 ug/L	427793	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	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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

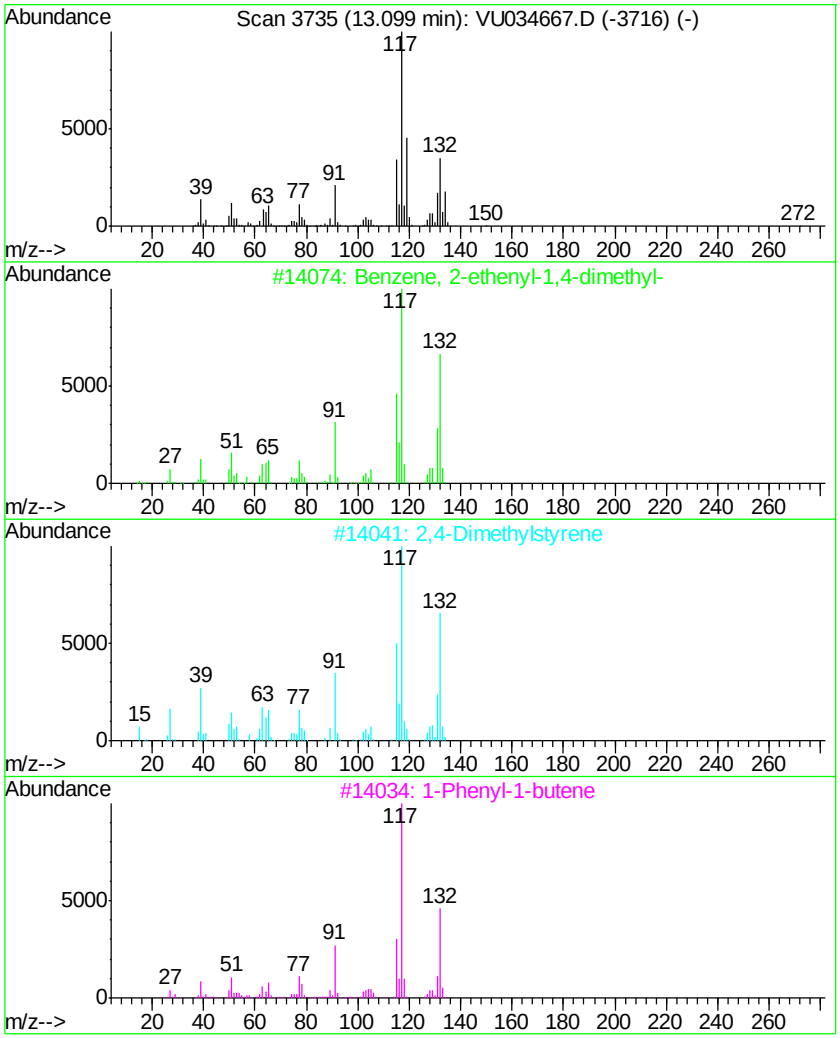
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

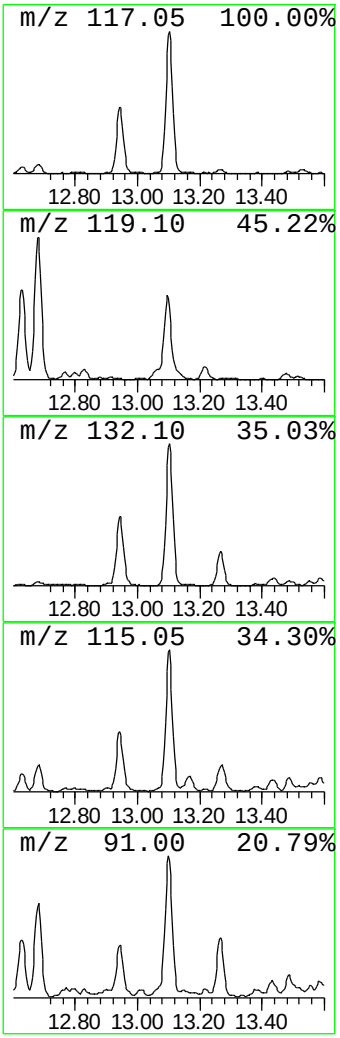
****

Peak Number 26 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	36.91 ug/L	1204100	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	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	76





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Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

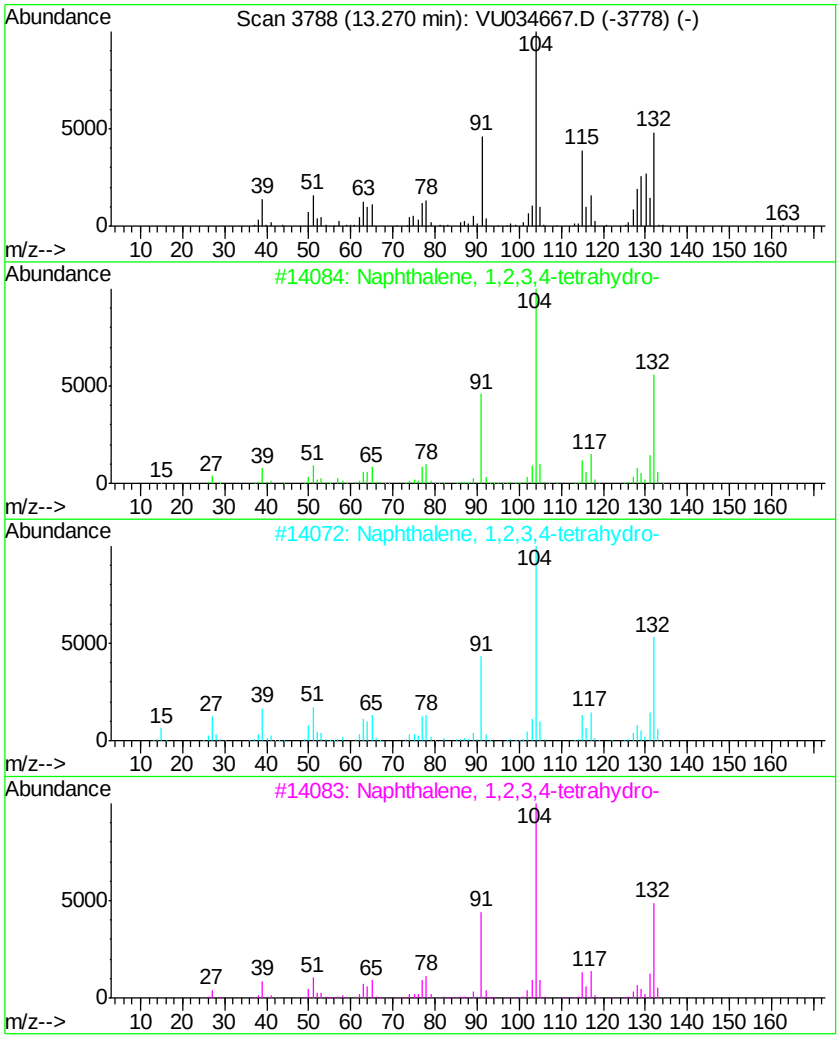
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

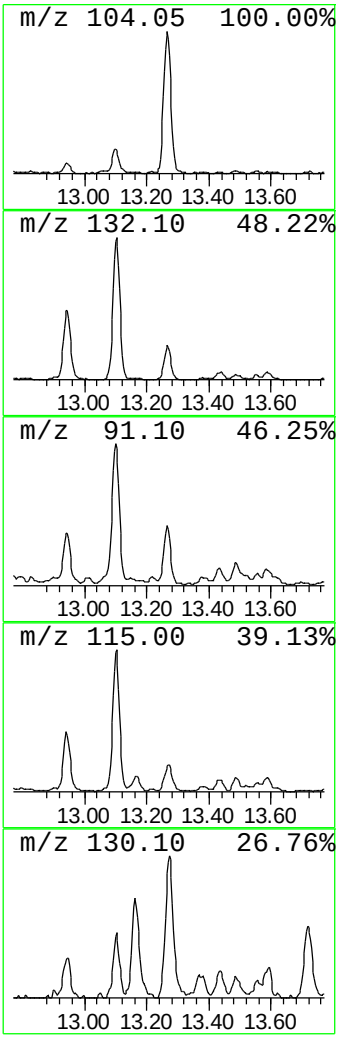
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	8.42 ug/L	274567	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	89
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	89
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	86
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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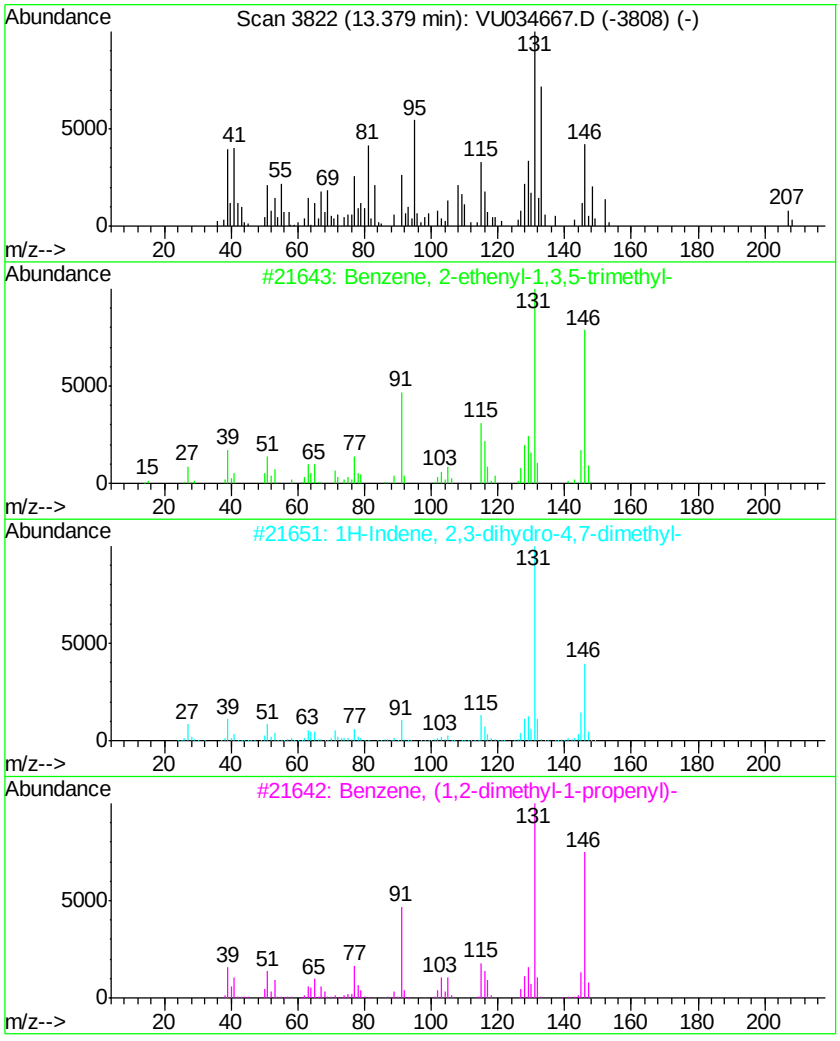
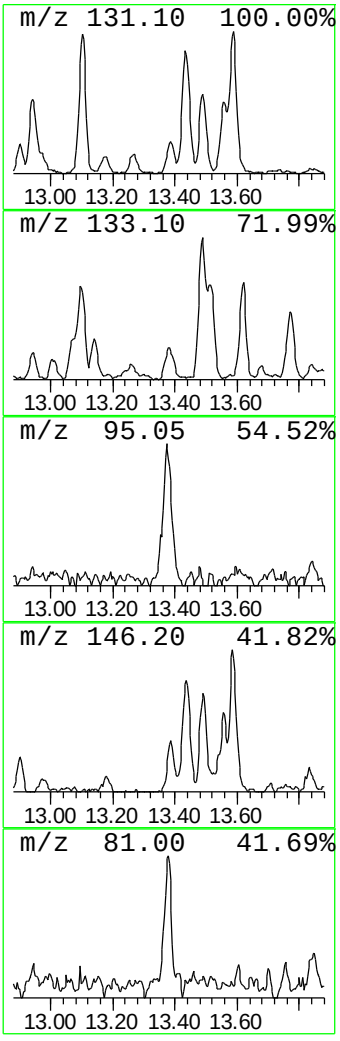
Peak Number 28 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.61 ug/L	117620	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	55
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





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Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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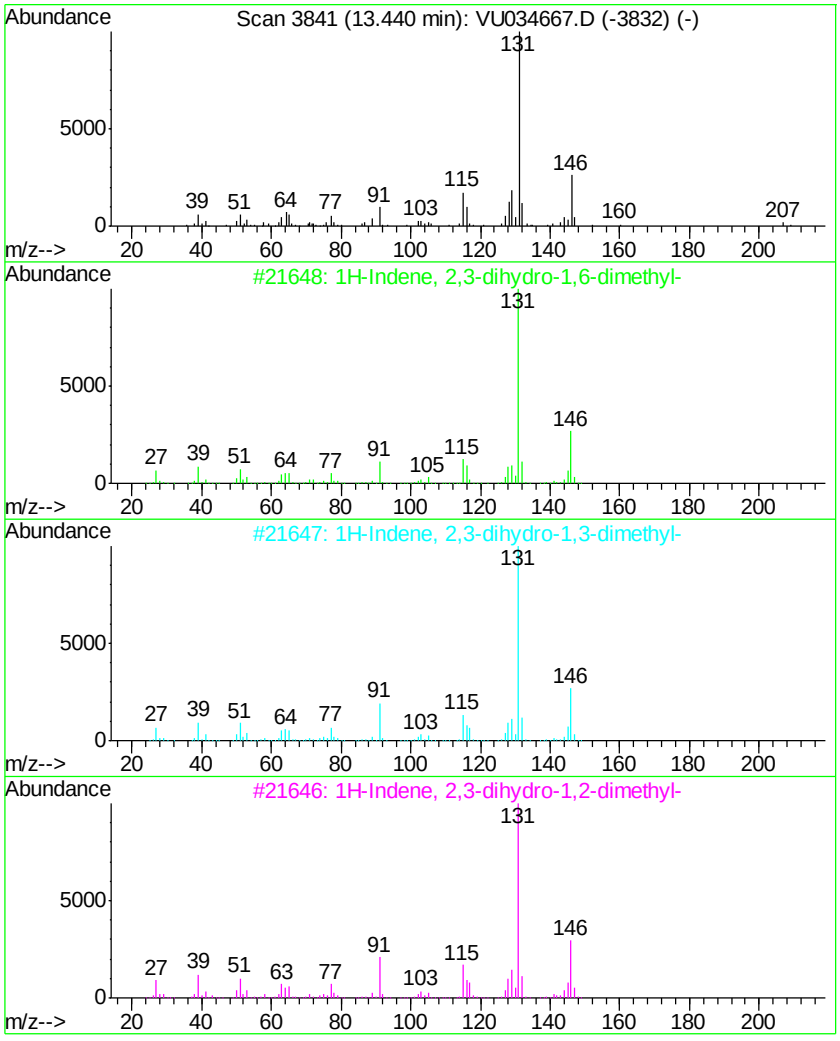
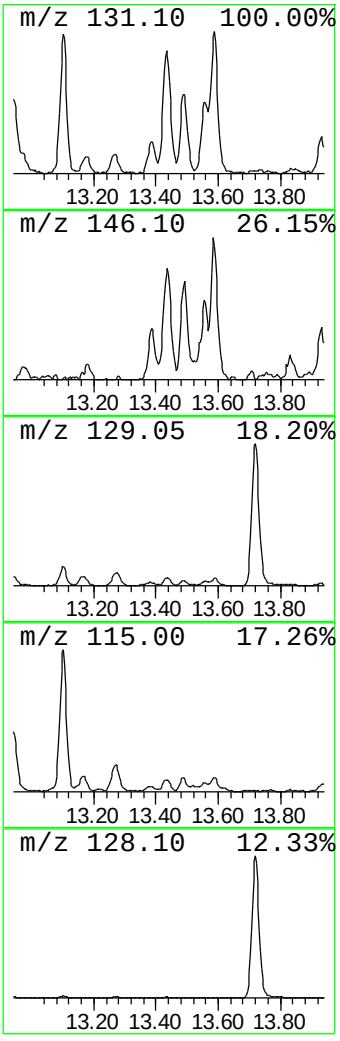
Peak Number 29 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	3.13 ug/L	102157	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Library Search Compound Report

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Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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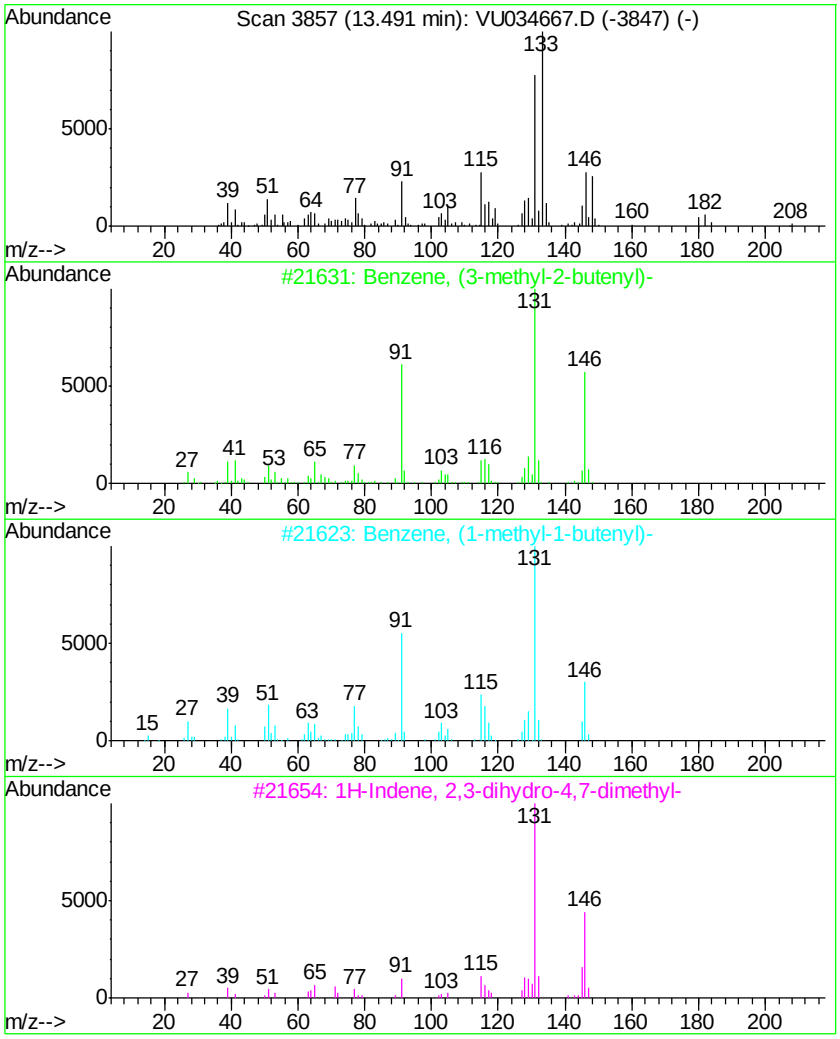
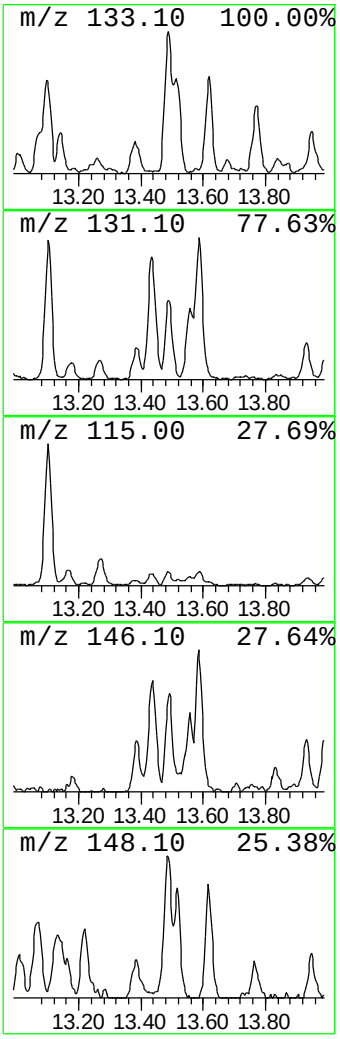
Peak Number 30 Benzene, (3-methyl-2-butenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	6.46 ug/L	210785	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	86
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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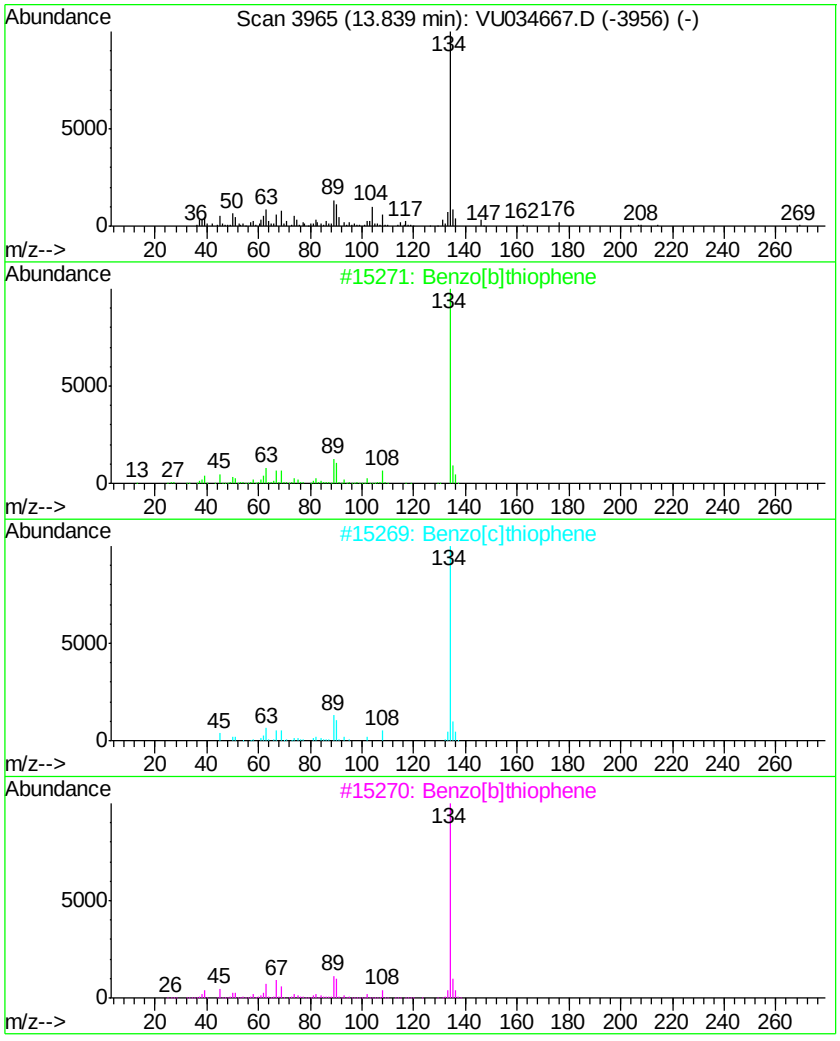
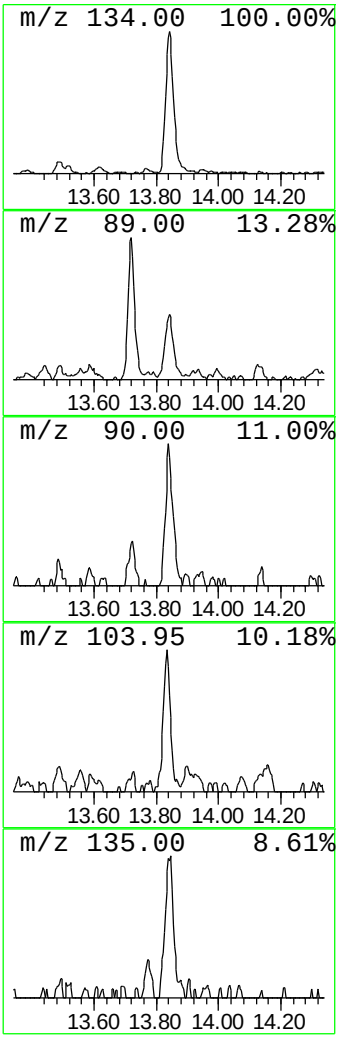
Peak Number 32 Benzo[b]thiophene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.51 ug/L	147142	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	93
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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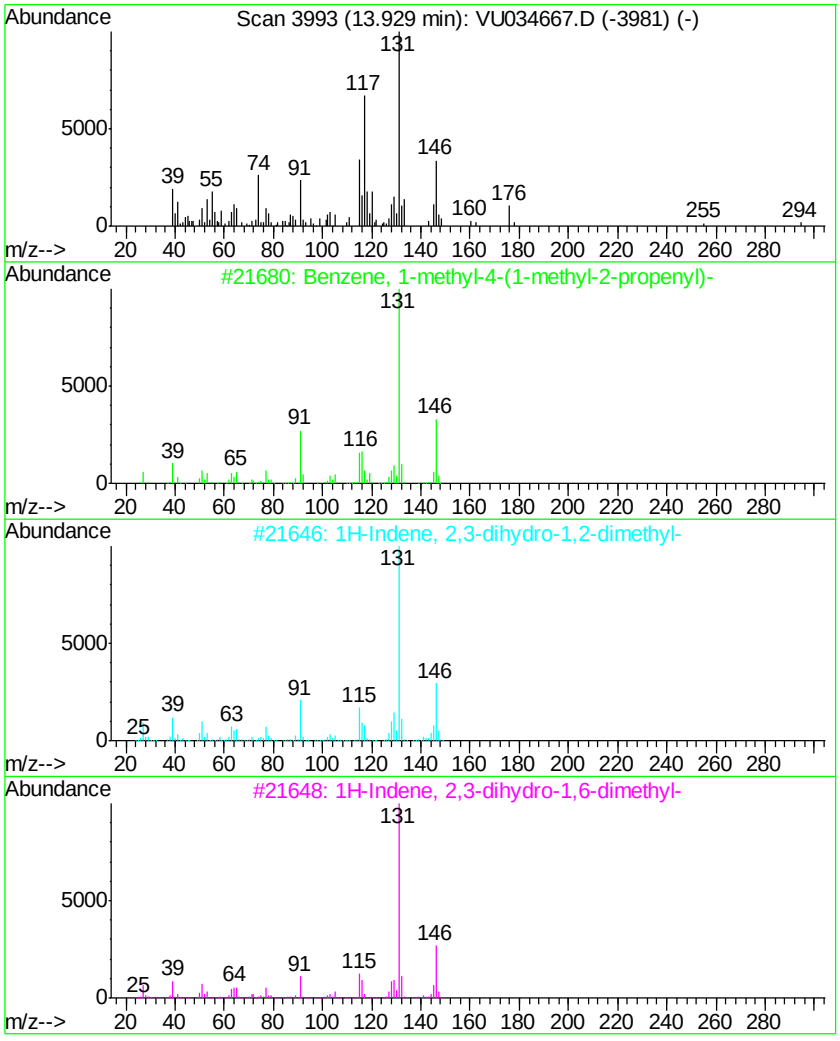
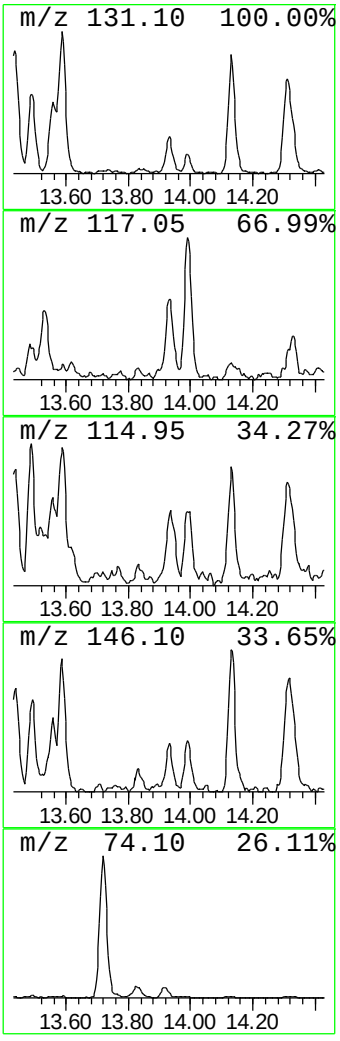
Peak Number 33 Benzene, 1-methyl-4-(1-meth... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	3.72 ug/L	121442	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	83
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	55
4	Benzeneacetaldehyde, .alpha.-eth...	146	C10H10O	004411-89-6	53
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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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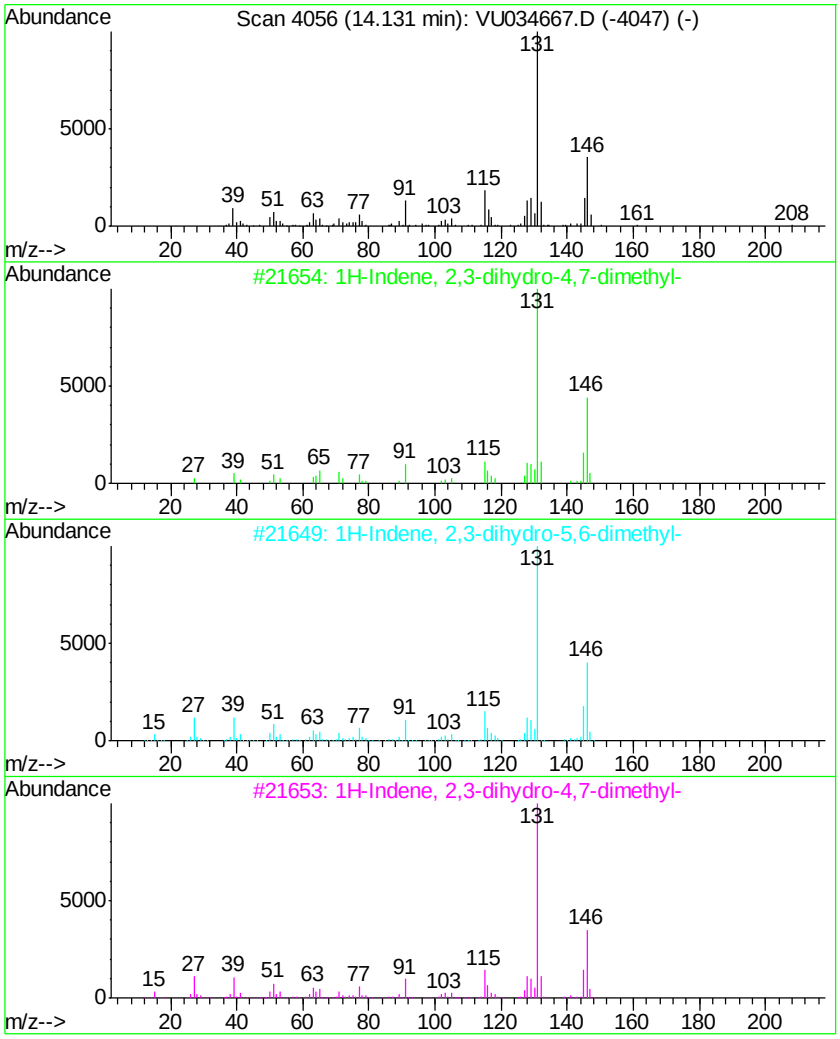
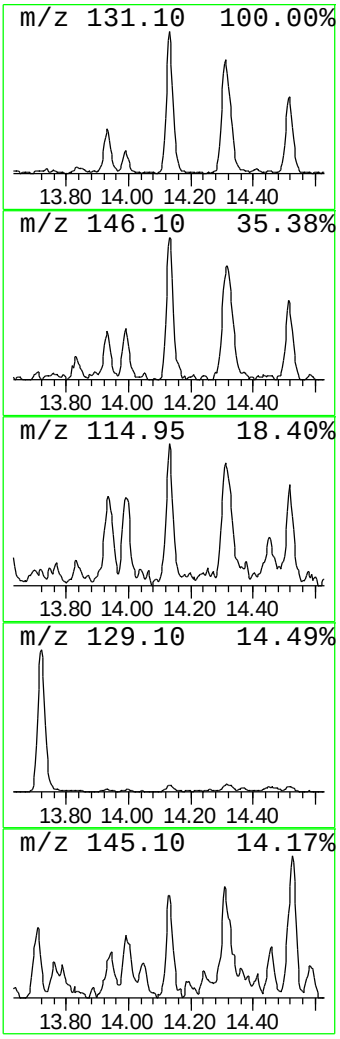
Peak Number 34 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	4.40 ug/L	143410	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	96
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034667.D
Acq On : 19 Sep 2019 23:23
Operator : JC/SP
Sample : K4895-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ1

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	8.7	ug/L	226428	1	5.86	1297600	50.0
n-Propyl acetate	6.68	153.5	ug/L	3982610	1	5.86	1297600	50.0
(DEL) Alkane: Cyc...	7.21	22.4	ug/L	582083	1	5.86	1297600	50.0
Propanoic acid, 2...	8.13	20.1	ug/L	688566	2	9.07	1711060	50.0
Propanoic acid, p...	8.40	33.0	ug/L	1127650	2	9.07	1711060	50.0
Acetic acid, buty...	8.51	2.8	ug/L	94735	2	9.07	1711060	50.0
Butanoic acid, 1-...	8.88	41.0	ug/L	1403550	2	9.07	1711060	50.0
Benzene, propyl-	10.57	9.6	ug/L	314265	3	11.46	1630960	50.0
Benzene, 1-ethyl-...	10.66	58.4	ug/L	1906370	3	11.46	1630960	50.0
Benzene, 1,2,3-tr...	10.75	30.4	ug/L	993309	3	11.46	1630960	50.0
Benzene, 1-methyl...	11.40	3.8	ug/L	125299	3	11.46	1630960	50.0
Benzene, 1,2,4-tr...	11.55	47.4	ug/L	1544680	3	11.46	1630960	50.0
Indane	11.74	30.4	ug/L	990156	3	11.46	1630960	50.0
Benzene, 1-methyl...	11.78	7.2	ug/L	233335	3	11.46	1630960	50.0
Benzene, 1-methyl...	12.03	4.3	ug/L	139216	3	11.46	1630960	50.0
o-Cymene	12.12	9.3	ug/L	303211	3	11.46	1630960	50.0
Benzene, 2-ethyl-...	12.15	7.5	ug/L	245346	3	11.46	1630960	50.0
Benzene, 2-ethyl-...	12.23	16.0	ug/L	521509	3	11.46	1630960	50.0
Indan, 1-methyl-	12.33	15.2	ug/L	497208	3	11.46	1630960	50.0
Benzene, 4-ethyl-...	12.53	6.4	ug/L	209015	3	11.46	1630960	50.0
Benzene, 1,2,4,5-...	12.63	11.4	ug/L	371389	3	11.46	1630960	50.0
Benzene, 1,2,3,4-...	12.68	18.0	ug/L	586778	3	11.46	1630960	50.0
Benzene, 1-etheny...	12.94	13.1	ug/L	427793	3	11.46	1630960	50.0
Benzene, 2-etheny...	13.10	36.9	ug/L	1204100	3	11.46	1630960	50.0
Naphthalene, 1,2,...	13.27	8.4	ug/L	274567	3	11.46	1630960	50.0
Benzene, 2-etheny...	13.38	3.6	ug/L	117620	3	11.46	1630960	50.0
1H-Indene, 2,3-di...	13.44	3.1	ug/L	102157	3	11.46	1630960	50.0
Benzene, (3-methy...	13.49	6.5	ug/L	210785	3	11.46	1630960	50.0
Benzo[b]thiophene	13.84	4.5	ug/L	147142	3	11.46	1630960	50.0
Benzene, 1-methyl...	13.93	3.7	ug/L	121442	3	11.46	1630960	50.0
1H-Indene, 2,3-di...	14.13	4.4	ug/L	143410	3	11.46	1630960	50.0