LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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	33	rBV3	9652	9721	0.11%	0.020%
2	1.392	86	94	107	rBV	340211	362185	4.27%	0.744%
3	1.466	111	117	124	rBV	47736	51955	0.61%	0.107%
4	1.543	133	141	148	rBV2	34598	43145	0.51%	0.089%
5	1.672	173	181	197	rVB	273722	338881	4.00%	0.696%
6	2.257	353	363	373	rBV	491215	753432	8.89%	1.548%
7	2.309	373	379	391	rVB	62077	97222	1.15%	0.200%
8	2.685	480	496	530	rBV	4736006	8479518	100.00%	17.417%
9	3.170	637	647	656	rVV3	9335	18360	0.22%	0.038%
10	3.971	885	896	900	rBV9	7232	11865	0.14%	0.024%
11	4.074	915	928	931	rBV7	7859	14861	0.18%	0.031%
12	4.151	939	952	980	rBV	260791	703982	8.30%	1.446%
13	4.624	1081	1099	1122	rBV2	388444	930713	10.98%	1.912%
14	4.968	1194	1206	1221	rVB2	8430	20995	0.25%	0.043%
15	5.315	1290	1314	1348	rBV2	811558	2530674	29.84%	5.198%
16	5.530	1369	1381	1399	rBV2	96635	213012	2.51%	0.438%
17	5.865	1471	1485	1506	rBV	677952	1378529	16.26%	2.831%
18	6.308	1607	1623	1640	rBV	567979	1154724	13.62%	2.372%
19	6.405	1646	1653	1668	rVB3	19277	40600	0.48%	0.083%
20	6.517	1678	1688	1695	rBV5	10122	19961	0.24%	0.041%
21	6.559	1695	1701	1702	rBV4	12506	11230	0.13%	0.023%
22	6.681	1727	1739	1769	rBV	2190661	3991071	47.07%	8.198%
23	6.964	1824	1827	1835	rVB8	4120	4197	0.05%	0.009%
24	7.035	1842	1849	1850	rBV6	5117	5106	0.06%	0.010%
25	7.206	1888	1902	1925	rBV	326443	610591	7.20%	1.254%
26	7.398	1950	1962	1974	rBV	258031	447563	5.28%	0.919%
27	7.543	1992	2007	2020	rBV	1138489	2032036	23.96%	4.174%
28	7.614	2020	2029	2048	rVV	509216	920557	10.86%	1.891%
29	7.681	2048	2050	2062	rVB8	7746	10766	0.13%	0.022%
30	7.826	2084	2095	2114	rBV2	306879	553027	6.52%	1.136%
31	8.135	2179	2191	2207	rBV	431343	716310	8.45%	1.471%
32	8.212	2207	2215	2216	rBV	24416	24599	0.29%	0.051%
33	8.241	2219	2224	2229	rVV2	44172	57083	0.67%	0.117%
34	8.289	2229	2239	2261	rVB	1019195	1758220	20.73%	3.611%

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Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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	8.395	2261	2272	2286	rBV	746245	1177295	13.88%	2.418%
36	8.508	2300	2307	2322	rVB2	40238	68528	0.81%	0.141%
37	8.884	2411	2424	2453	rBV	905535	1462380	17.25%	3.004%
38	9.067	2463	2481	2511	rVV	1001496	1775220	20.94%	3.646%
39	9.228	2521	2531	2549	rVB	147884	239867	2.83%	0.493%
40	9.350	2553	2569	2587	rBV	971746	1643649	19.38%	3.376%
41	9.476	2601	2608	2616	rVB	5142	7843	0.09%	0.016%
42	9.585	2634	2642	2658	rVB2	23249	39694	0.47%	0.082%
43	9.755	2681	2695	2719	rVV	792228	1356934	16.00%	2.787%
44	9.916	2736	2745	2747	rBV2	7328	9905	0.12%	0.020%
45	10.019	2768	2777	2783	rBV10	9499	15358	0.18%	0.032%
46	10.144	2803	2816	2831	rBV2	45355	78270	0.92%	0.161%
47	10.305	2859	2866	2870	rBV10	3539	4600	0.05%	0.009%
48	10.408	2886	2898	2916	rBV	758219	1221107	14.40%	2.508%
49	10.566	2934	2947	2962	rVV	90852	154224	1.82%	0.317%
50	10.659	2963	2976	2994	rVV	334557	760905	8.97%	1.563%
51	10.749	2994	3004	3028	rVV	204711	339355	4.00%	0.697%
52	10.900	3042	3051	3055	rBV5	10650	15807	0.19%	0.032%
53	10.948	3056	3066	3089	rVB	241493	398309	4.70%	0.818%
54	11.125	3109	3121	3141	rVV	720284	1122456	13.24%	2.306%
55	11.270	3160	3166	3170	rBV6	6263	8782	0.10%	0.018%
56	11.299	3171	3175	3183	rVV3	11624	15865	0.19%	0.033%
57	11.366	3187	3196	3198	rBV8	7207	10827	0.13%	0.022%
58	11.401	3199	3207	3214	rVV4	37096	61685	0.73%	0.127%
59	11.459	3214	3225	3242	rVV	993805	1624753	19.16%	3.337%
60	11.546	3242	3252	3266	rVB	328951	510933	6.03%	1.049%
61	11.742	3301	3313	3322	rBV	254015	445059	5.25%	0.914%
62	11.839	3332	3343	3367	rVB2	1144107	2221490	26.20%	4.563%
63	11.961	3373	3381	3392	rVV2	34138	52240	0.62%	0.107%
64	12.032	3395	3403	3417	rVB	36341	60987	0.72%	0.125%
65	12.122	3422	3431	3437	rBV	69866	113109	1.33%	0.232%
66	12.154	3438	3441	3452	rVB	56686	67622	0.80%	0.139%
67	12.228	3454	3464	3471	rBV	87390	138507	1.63%	0.284%
68	12.331	3487	3496	3516	rBV3	86367	170047	2.01%	0.349%
69	12.472	3527	3540	3548	rBV3	12136	26149	0.31%	0.054%
70	12.530	3548	3558	3568	rVV2	44842	73626	0.87%	0.151%
71	12.591	3573	3577	3578	rVV4	11718	9096	0.11%	0.019%

LSC Area Percent Report

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Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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	12.627	3581	3588	3596	rVV	73461	117024	1.38%	0.240%
73	12.681	3596	3605	3619	rVB2	122114	197641	2.33%	0.406%
74	12.765	3625	3631	3636	rBV10	7458	9987	0.12%	0.021%
75	12.829	3648	3651	3656	rVB4	5760	5207	0.06%	0.011%
76	12.945	3678	3687	3698	rBV	78268	118277	1.39%	0.243%
77	13.099	3717	3735	3746	rBV2	212179	364612	4.30%	0.749%
78	13.167	3750	3756	3765	rVB4	19511	30081	0.35%	0.062%
79	13.212	3766	3770	3778	rVB5	4860	6243	0.07%	0.013%
80	13.270	3778	3788	3799	rBV2	62705	108249	1.28%	0.222%
81	13.382	3811	3823	3831	rBV2	17393	34304	0.40%	0.070%
82	13.437	3831	3840	3847	rBV2	20320	32671	0.39%	0.067%
83	13.488	3848	3856	3862	rBV6	31086	48498	0.57%	0.100%
84	13.588	3881	3887	3894	rVB3	15746	19785	0.23%	0.041%
85	13.720	3916	3928	3952	rBV	520052	910957	10.74%	1.871%
86	13.826	3955	3961	3978	rVV8	24618	52140	0.61%	0.107%
87	13.919	3982	3990	4003	rVB8	28743	60892	0.72%	0.125%
88	13.987	4009	4011	4022	rVB7	12893	18668	0.22%	0.038%
89	14.134	4047	4057	4071	rVB3	22757	44627	0.53%	0.092%
90	14.315	4104	4113	4127	rBV8	20900	46946	0.55%	0.096%
91	14.459	4148	4158	4165	rBV10	9718	18412	0.22%	0.038%
92	14.517	4169	4176	4185	rBV5	18307	30698	0.36%	0.063%
93	14.655	4215	4219	4231	rVB5	12240	21423	0.25%	0.044%
94	14.803	4254	4265	4271	rBV9	9571	19434	0.23%	0.040%
95	14.858	4271	4282	4299	rBV	102609	195522	2.31%	0.402%
96	15.041	4329	4339	4366	rVB	166989	301170	3.55%	0.619%
97	15.790	4566	4572	4573	rBV5	5009	4665	0.06%	0.010%
98	16.041	4644	4650	4659	rBV7	13474	22502	0.27%	0.046%
99	16.241	4707	4712	4716	rBV8	5520	6190	0.07%	0.013%
100	16.720	4857	4861	4875	rVB9	11810	19617	0.23%	0.040%

Sum of corrected areas: 48685616

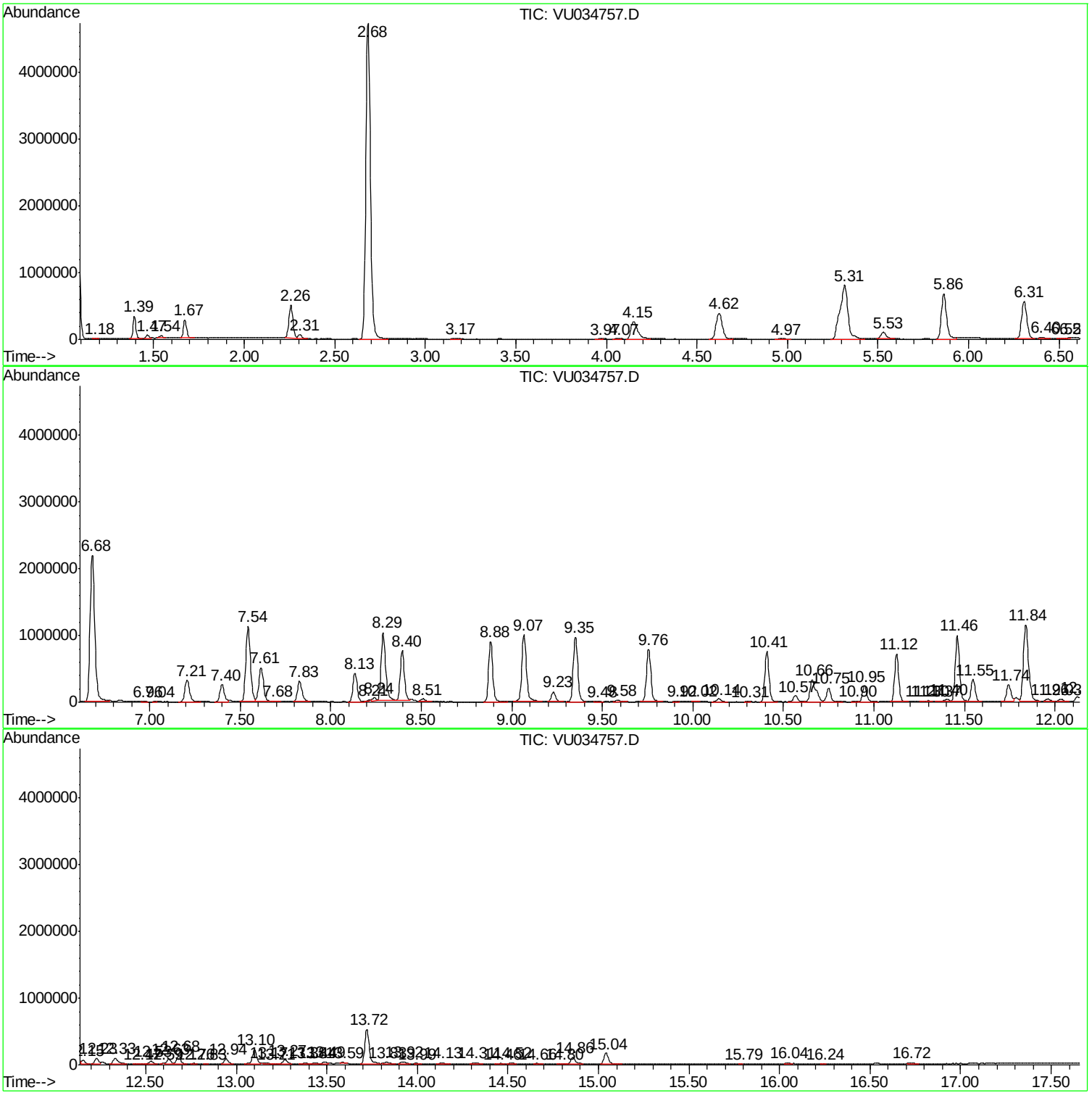
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

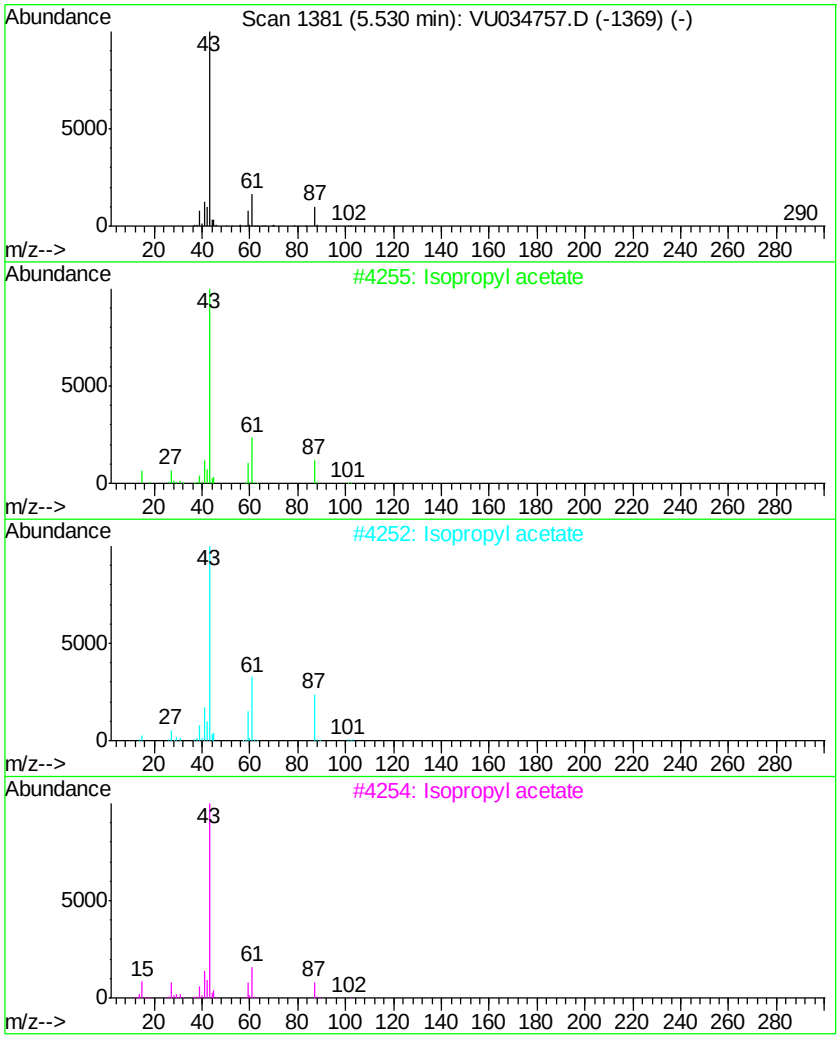
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

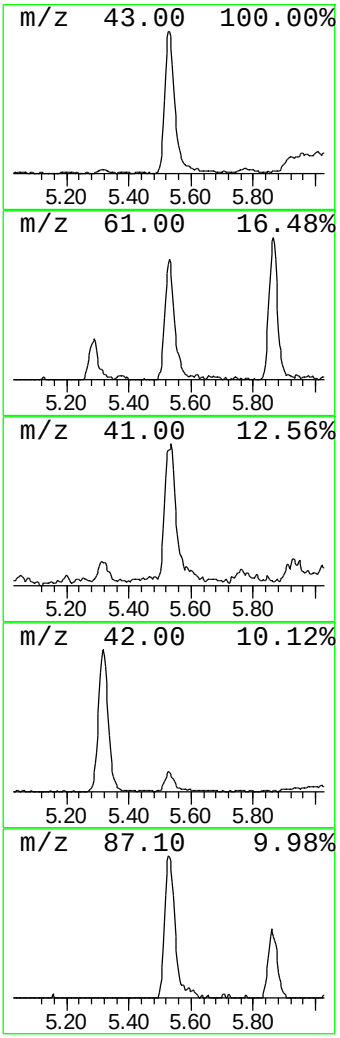
****

Peak Number 1 Isopropyl acetate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.73 ug/L	213012	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	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	72
4	2-Pentanol, acetate	130	C7H14O2	000626-38-0	42
5	Isopropyl acetate	102	C5H10O2	000108-21-4	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

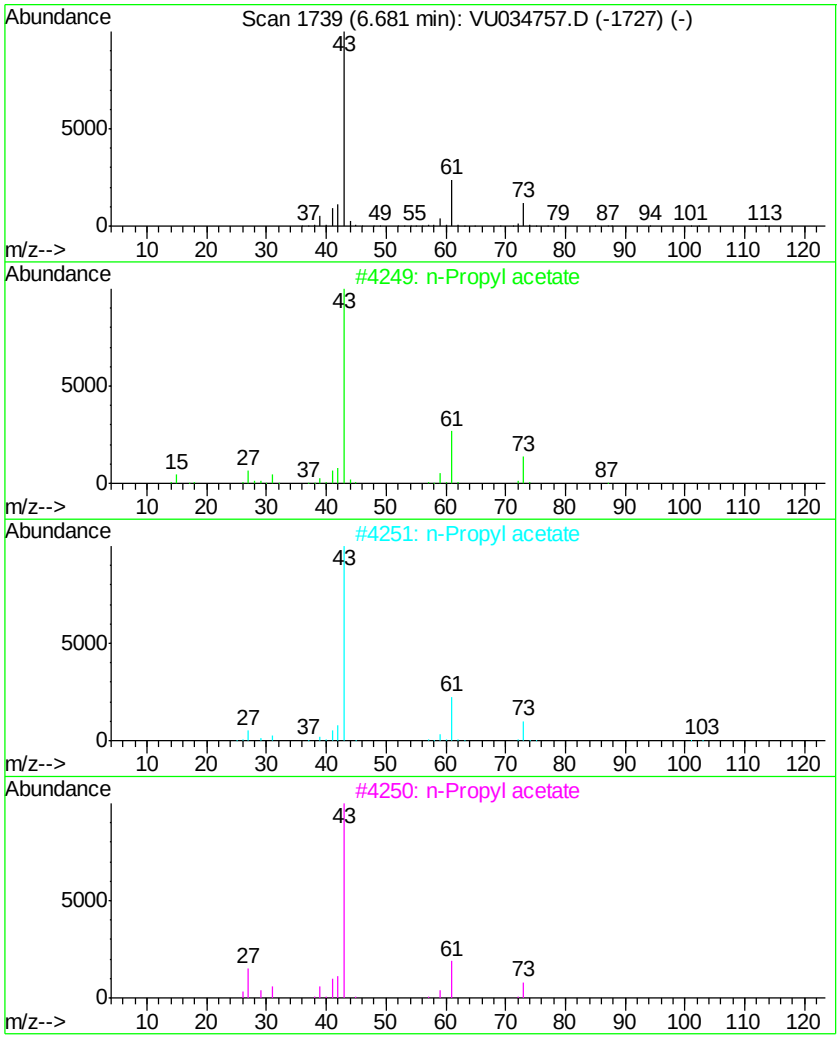
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

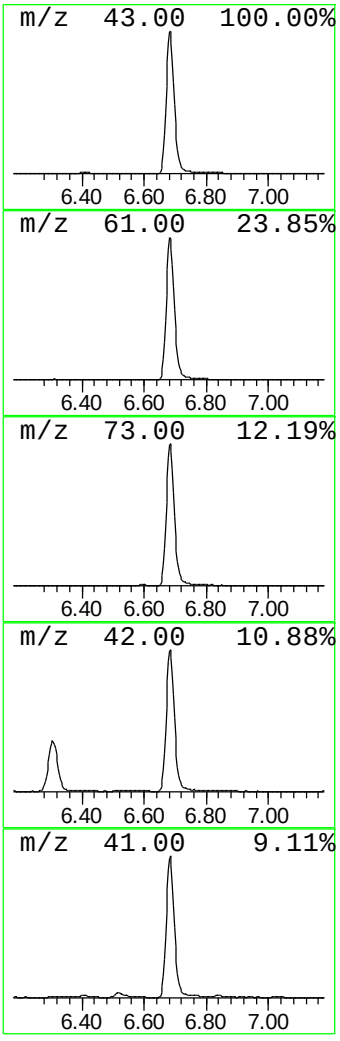
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	144.76 ug/L	3991070	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	78
3	n-Propyl acetate	102	C5H10O2	000109-60-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
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ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

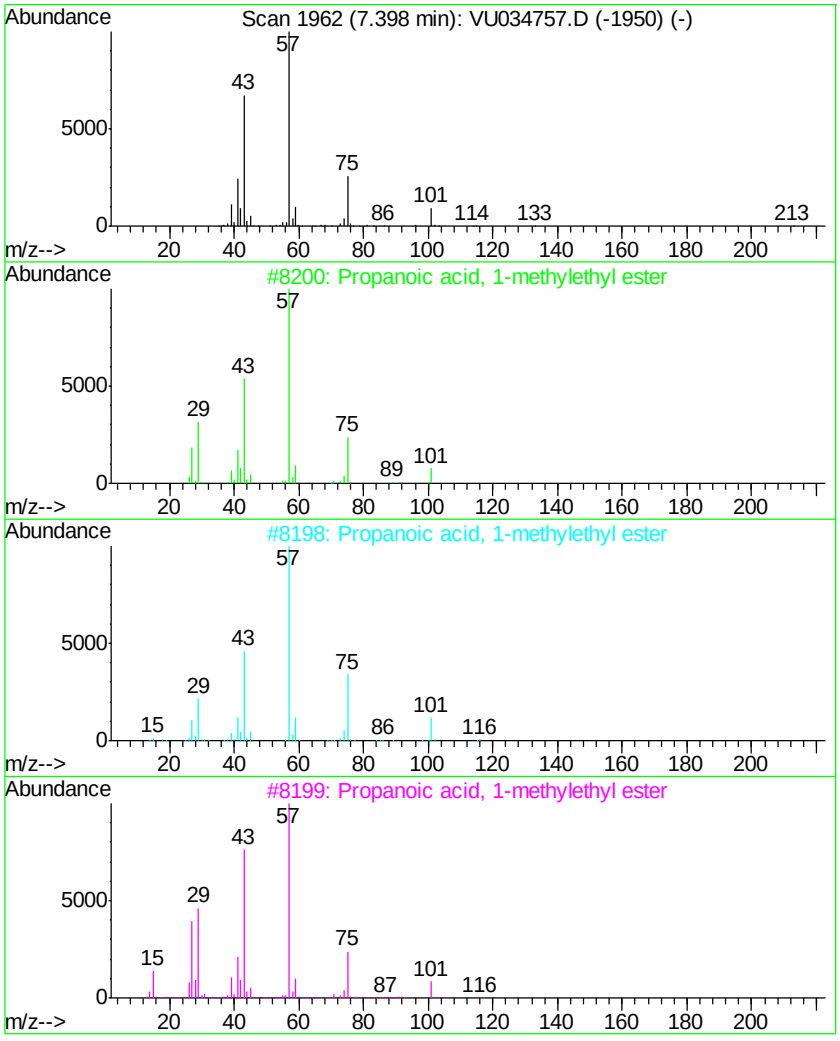
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

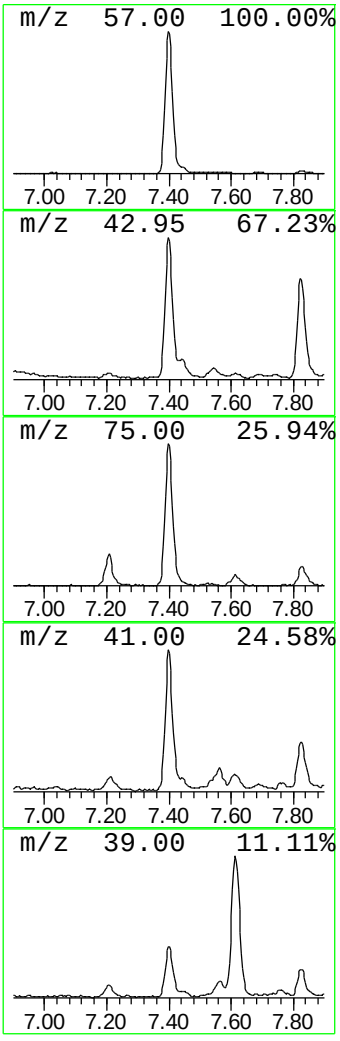
****

Peak Number 4 Propanoic acid, 1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	16.23 ug/L	447563	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	78
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	59
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	42
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

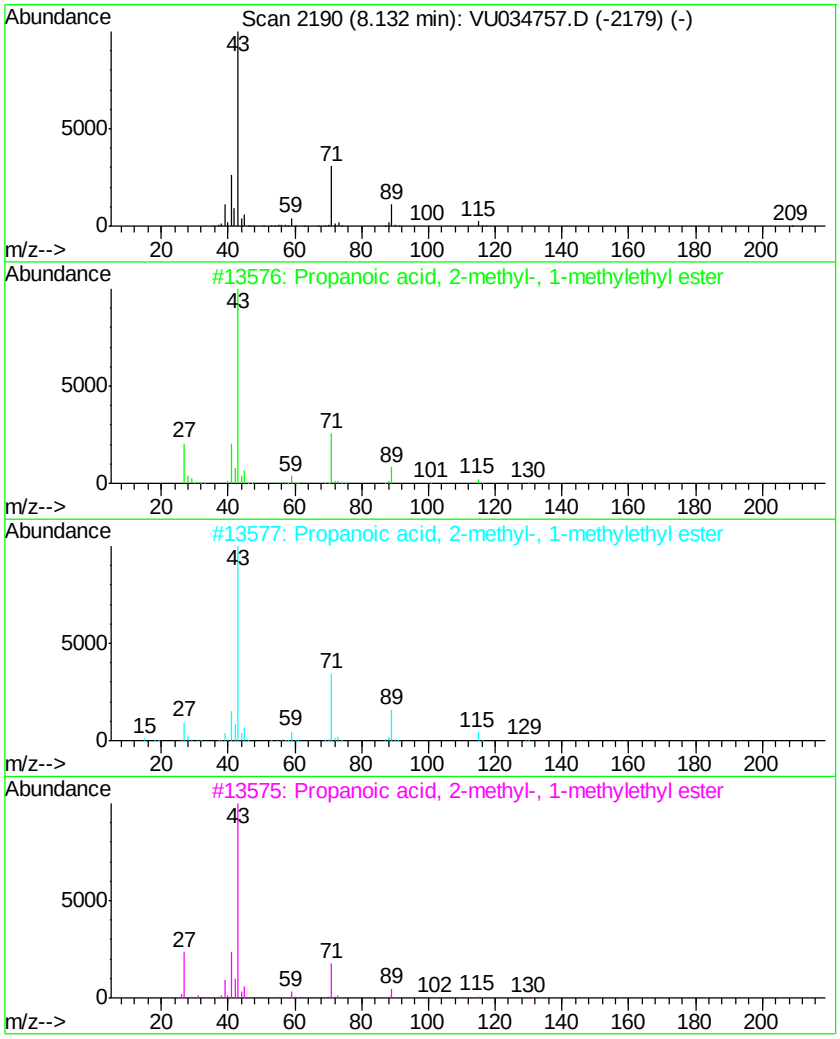
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

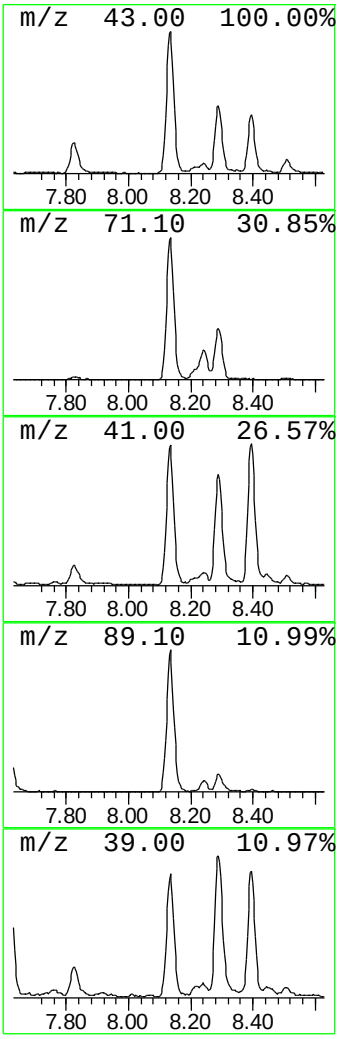
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	20.18 ug/L	716310	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	72
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

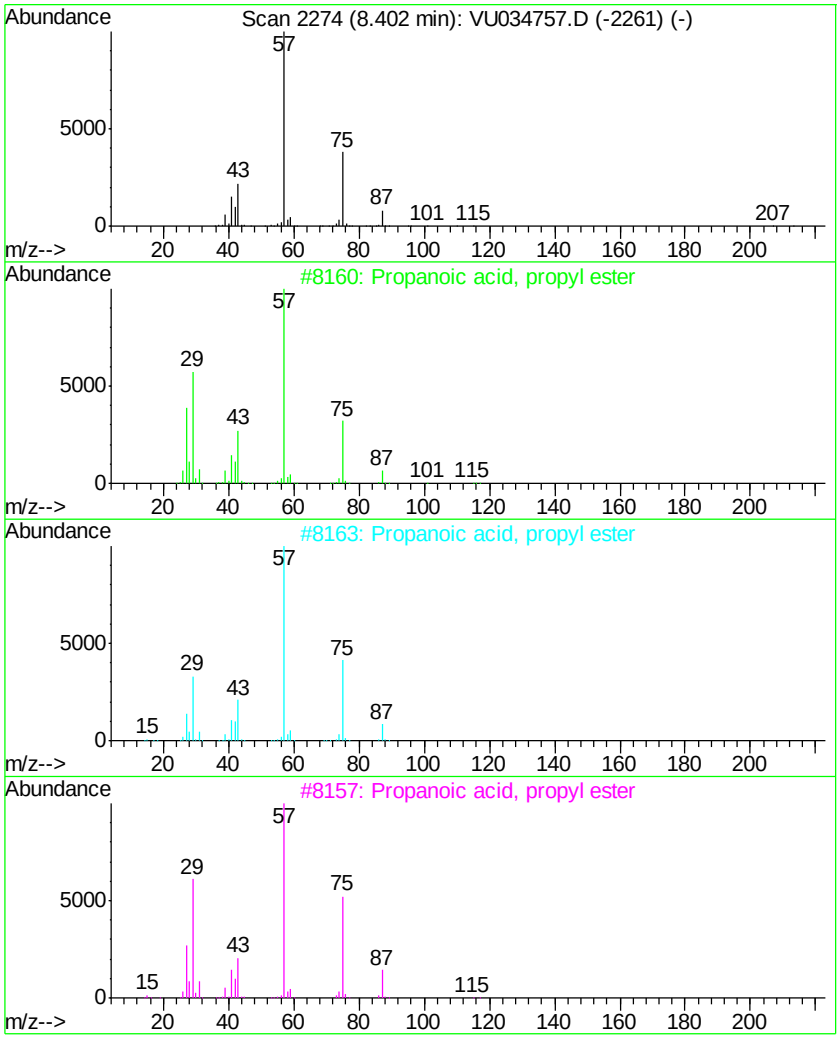
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

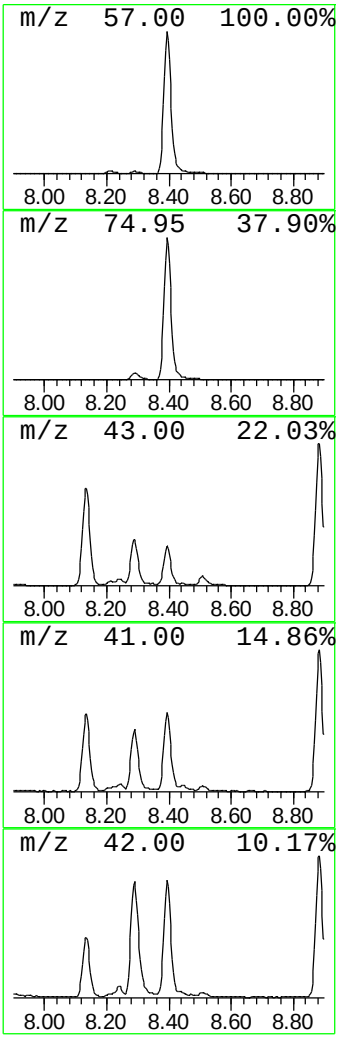
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	33.16 ug/L	1177300	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	9





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

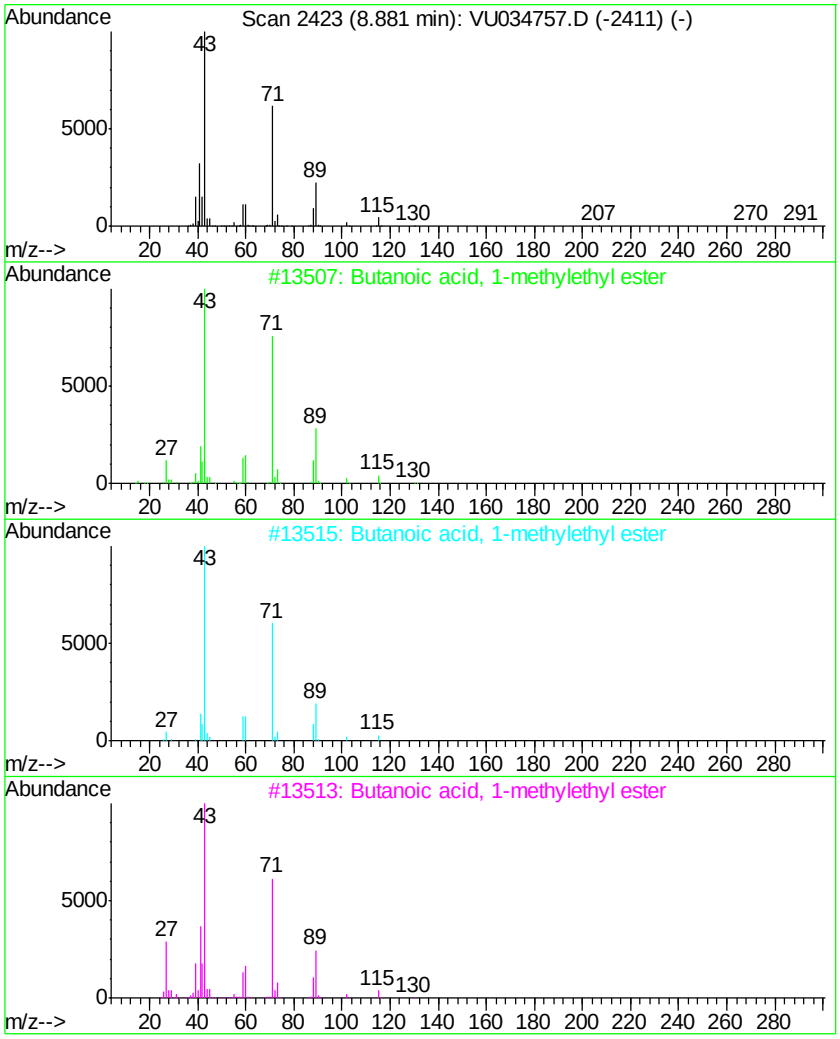
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

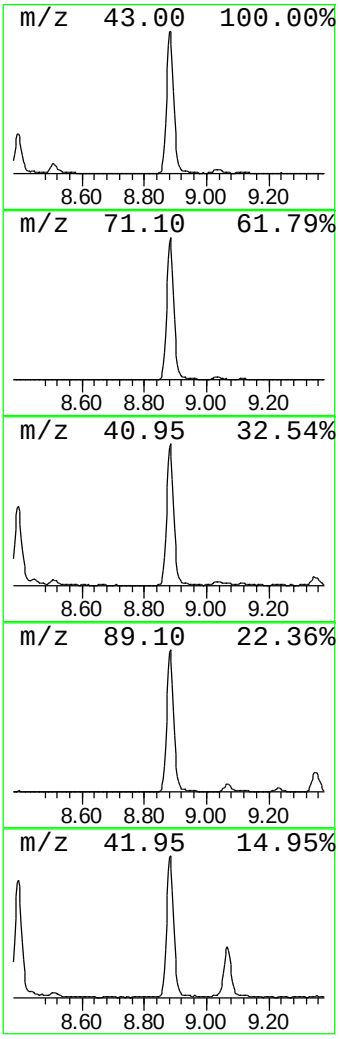
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	41.19 ug/L	1462380	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

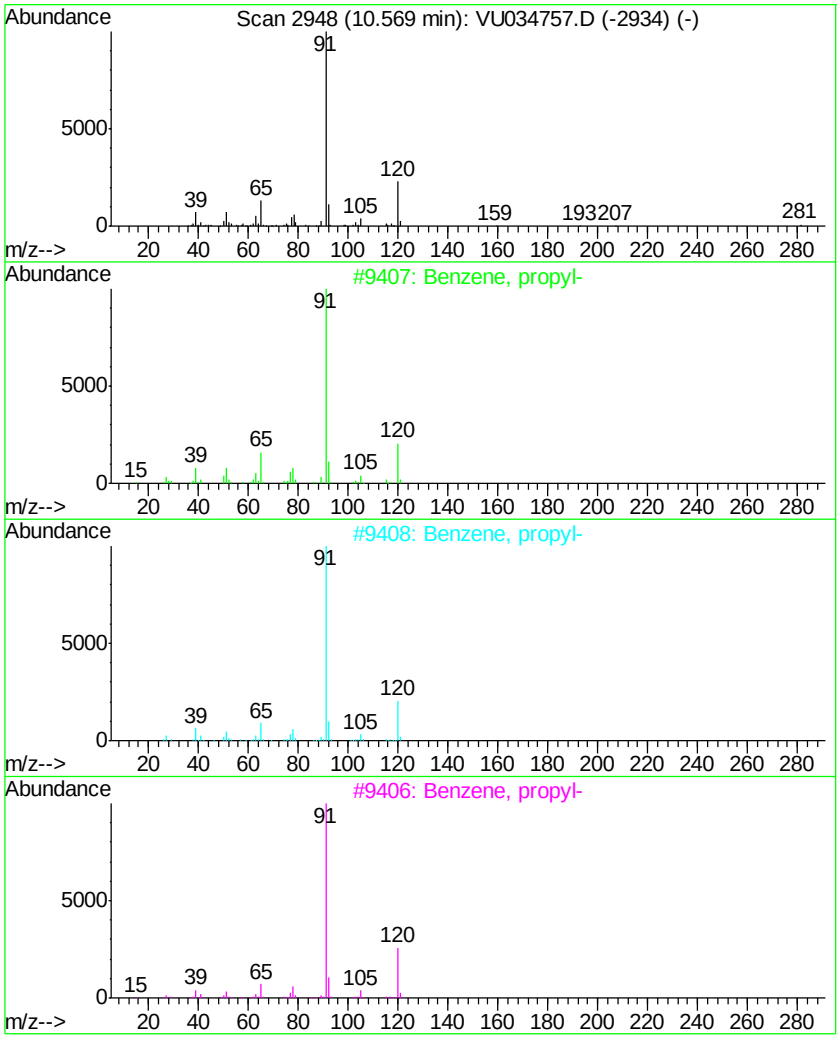
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

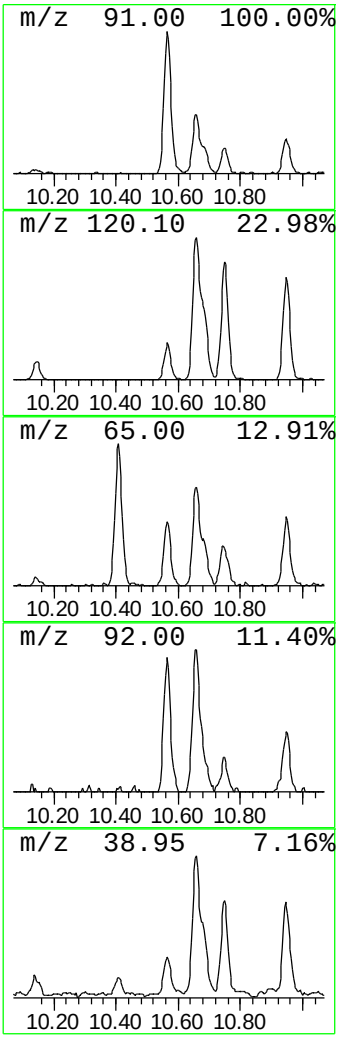
****

Peak Number 8 Benzene, propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.75 ug/L	154224	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
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	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





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Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

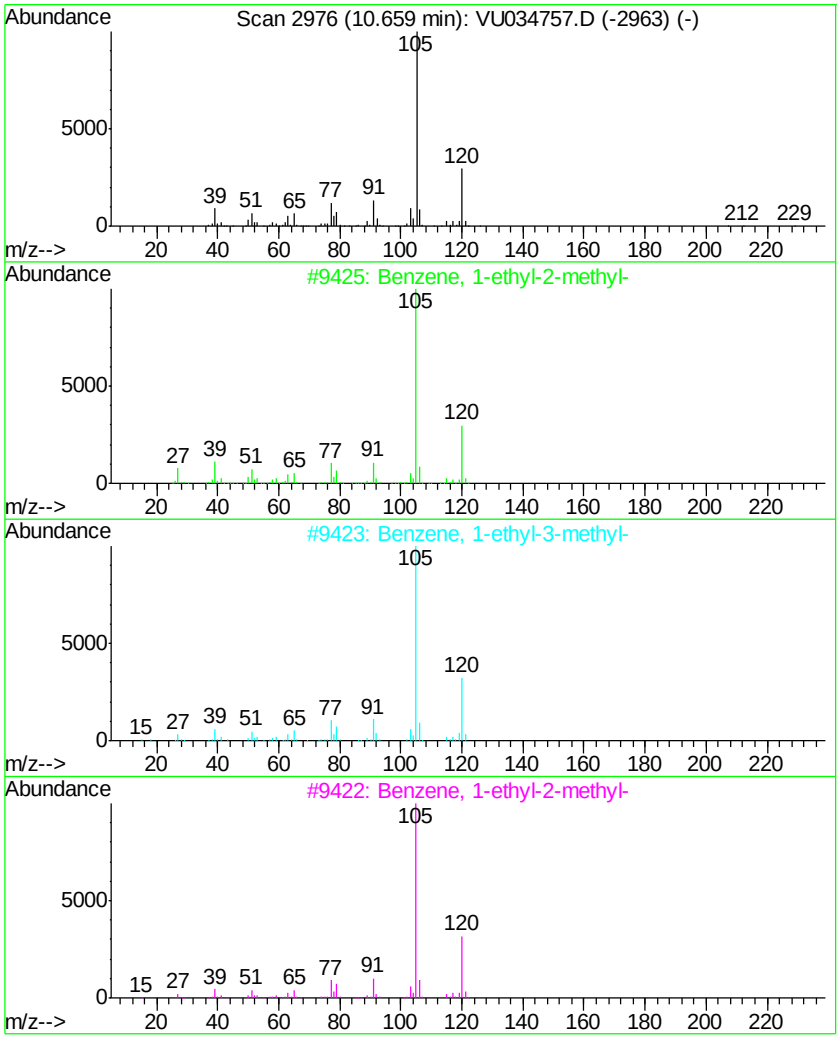
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

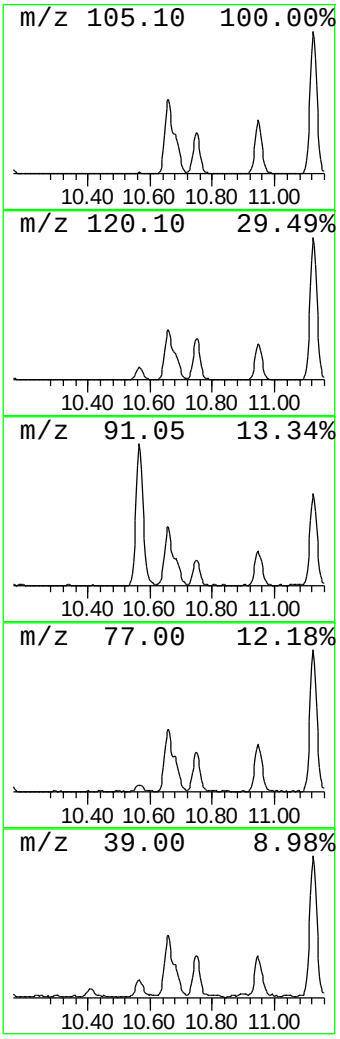
****

Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	23.42 ug/L	760905	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-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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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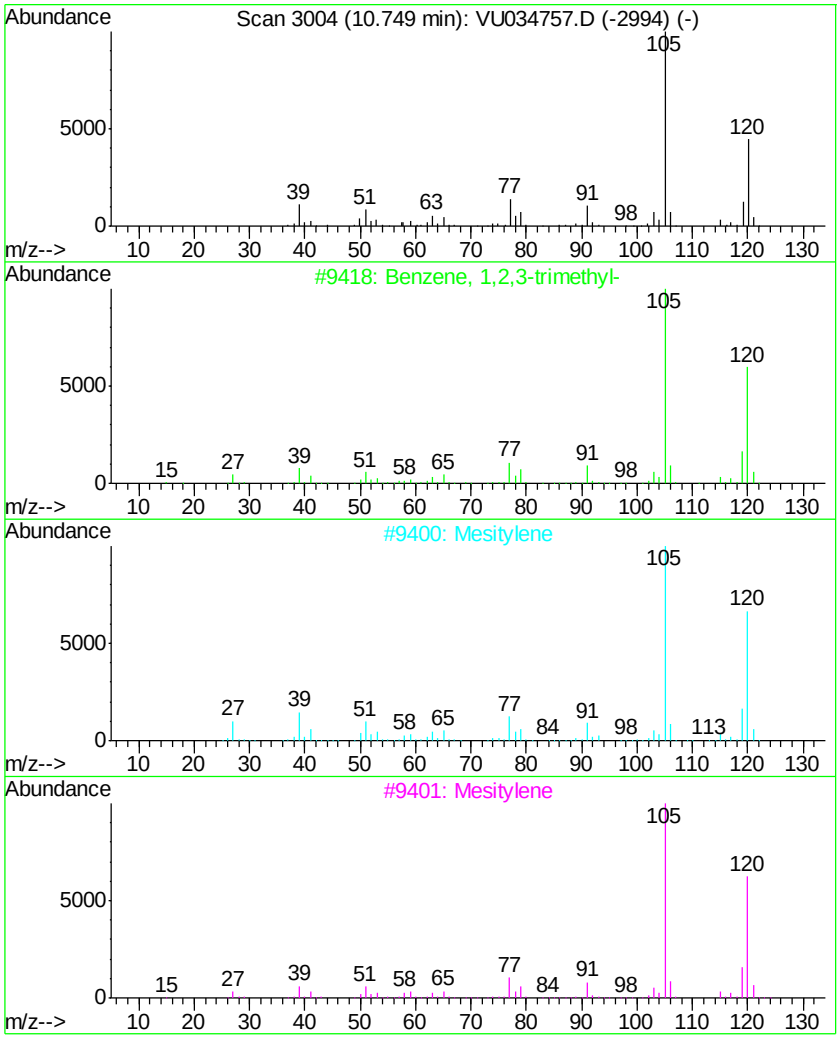
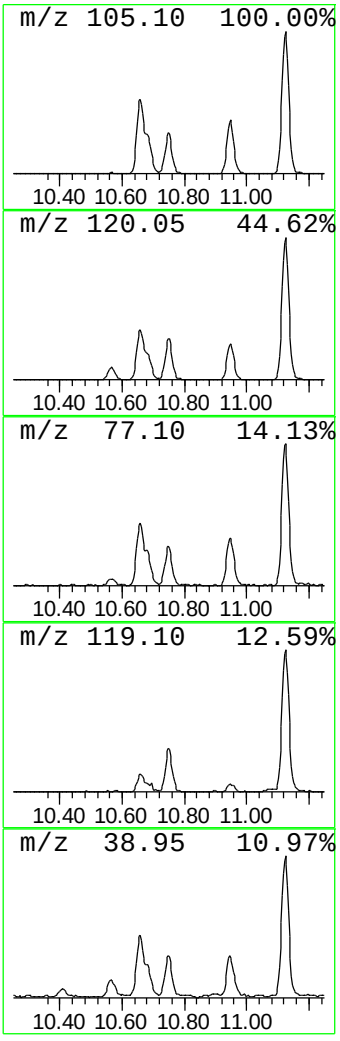
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	10.44 ug/L	339355	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	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

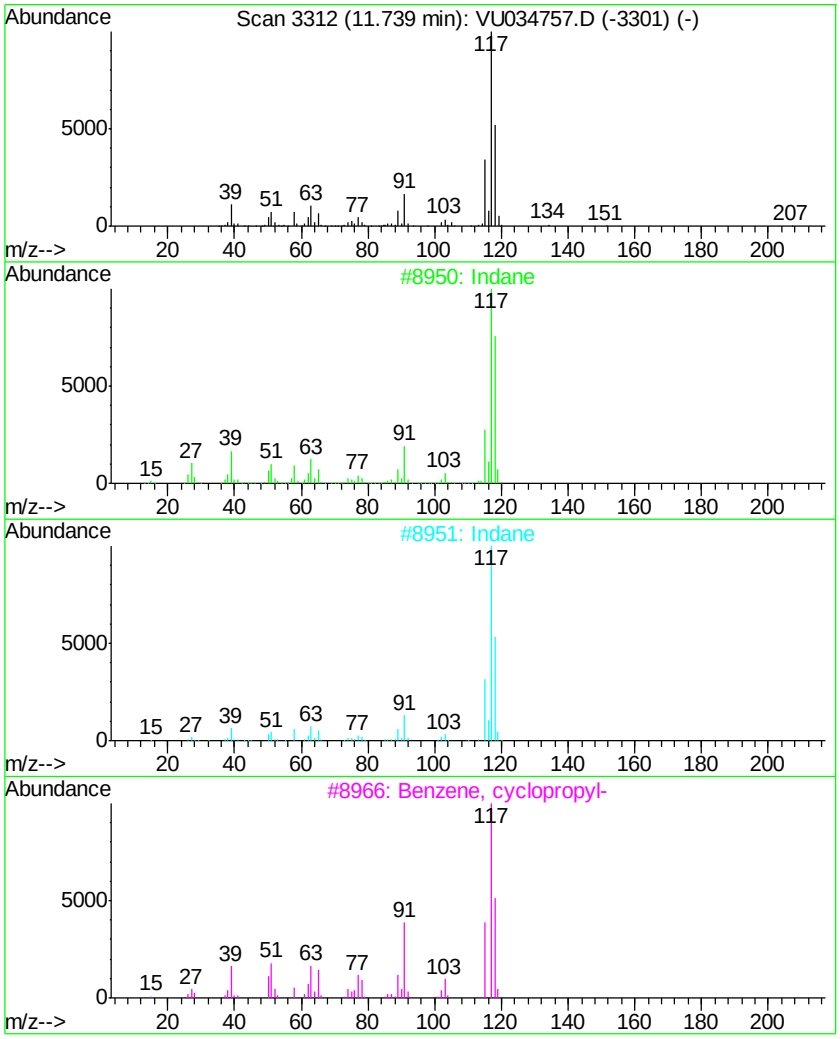
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

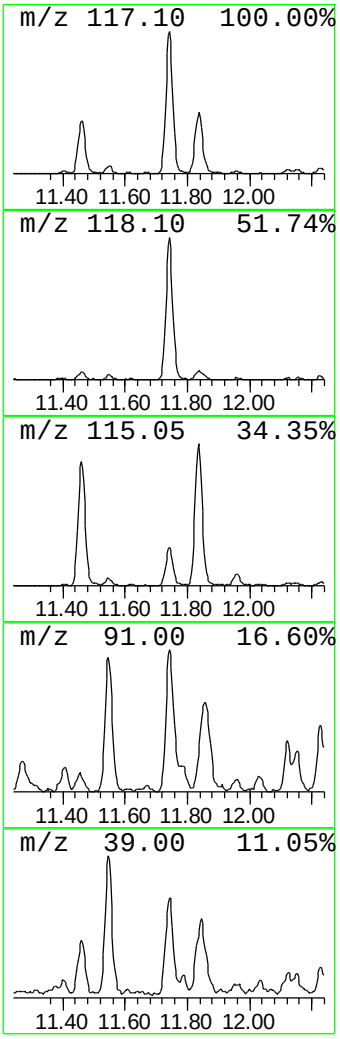
****

Peak Number 14 Indane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	13.70 ug/L	445059	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	72
5	Deltacyclene	118	C9H10	007785-10-6	68





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

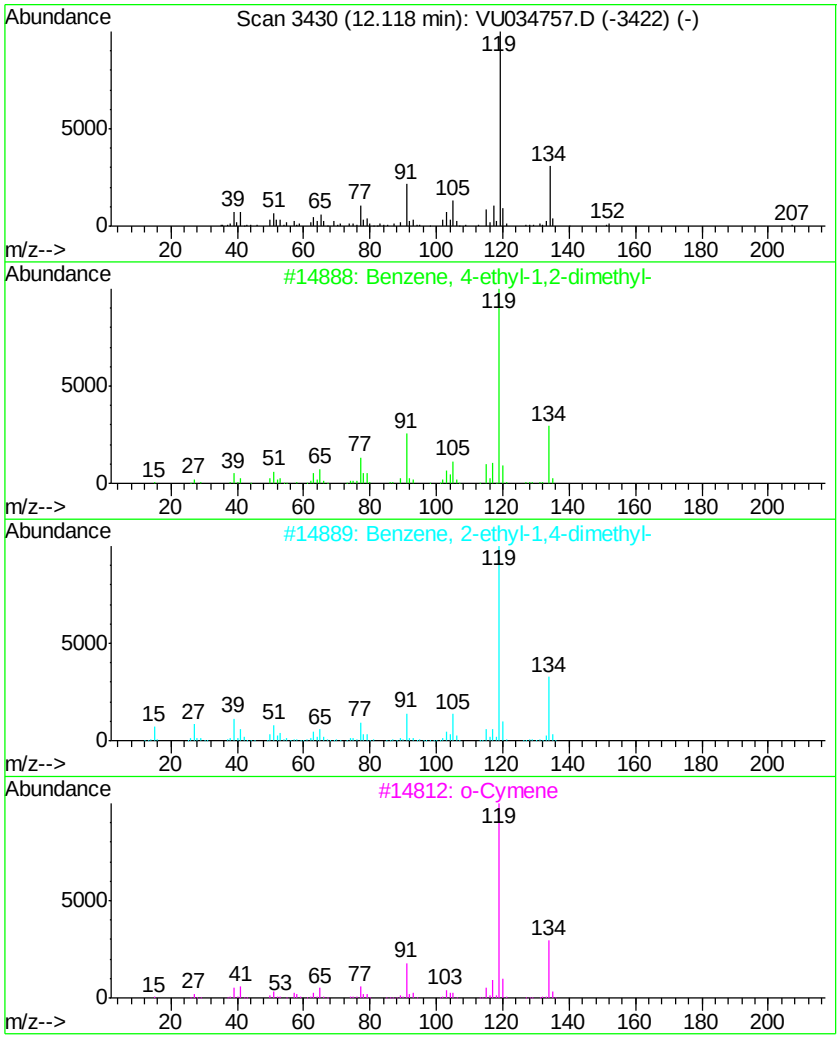
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

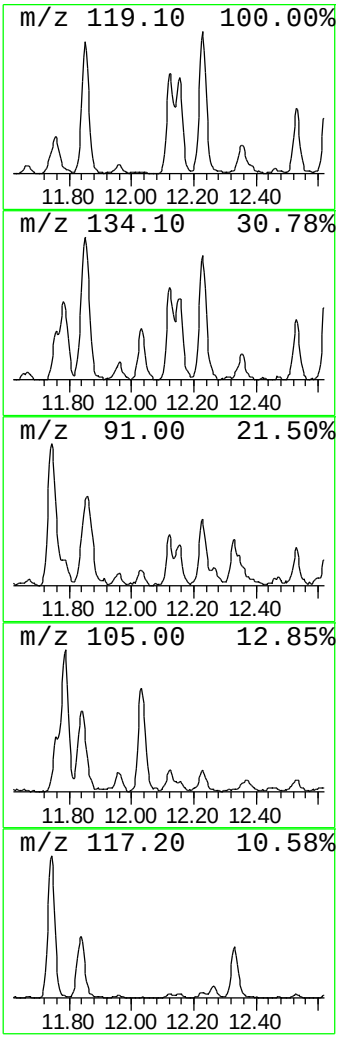
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.48 ug/L	113109	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

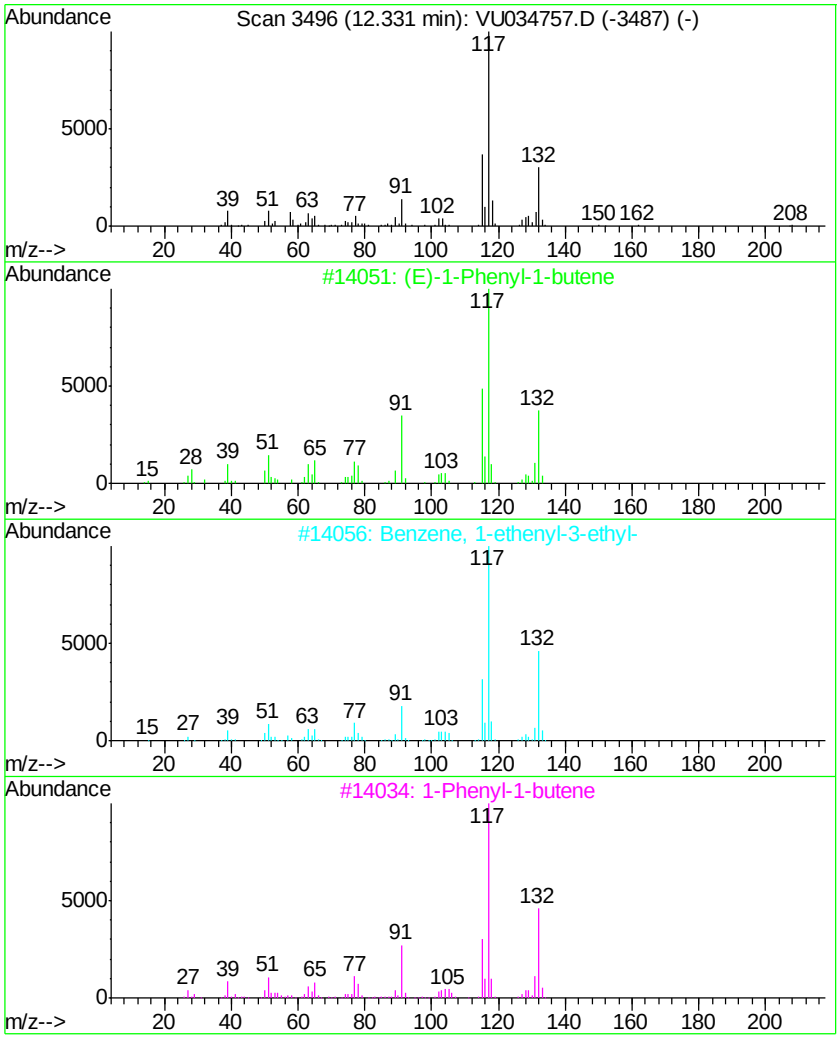
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

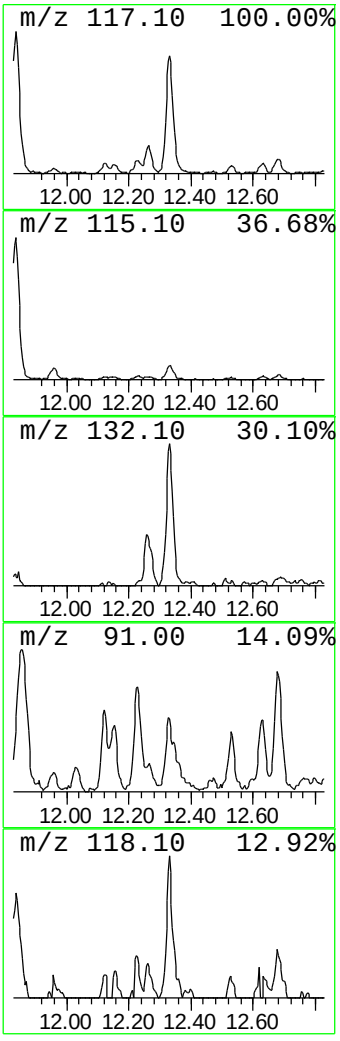
****

Peak Number 17 (E)-1-Phenyl-1-butene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.23 ug/L	170047	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

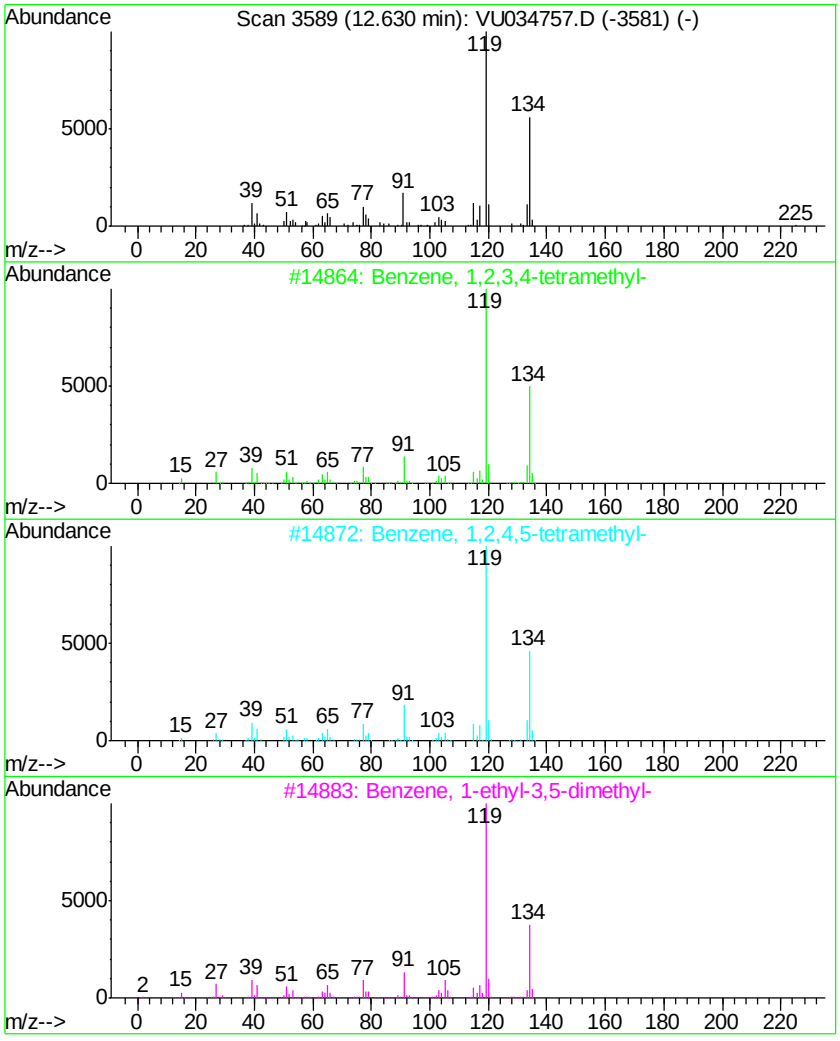
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

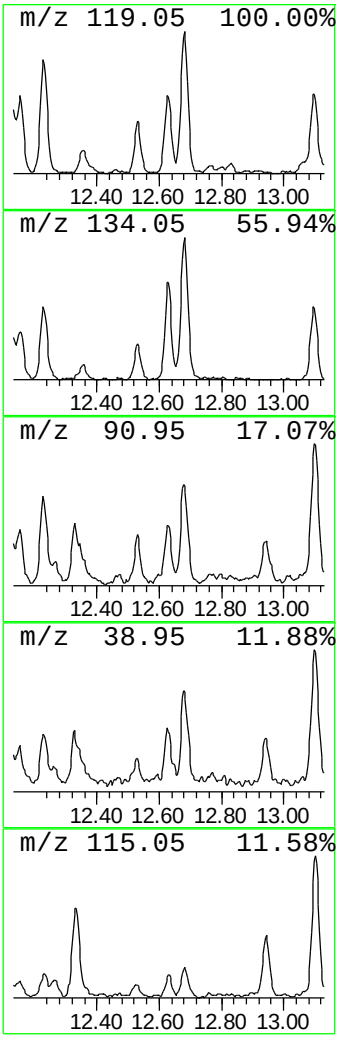
****

Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.60 ug/L	117024	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-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

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

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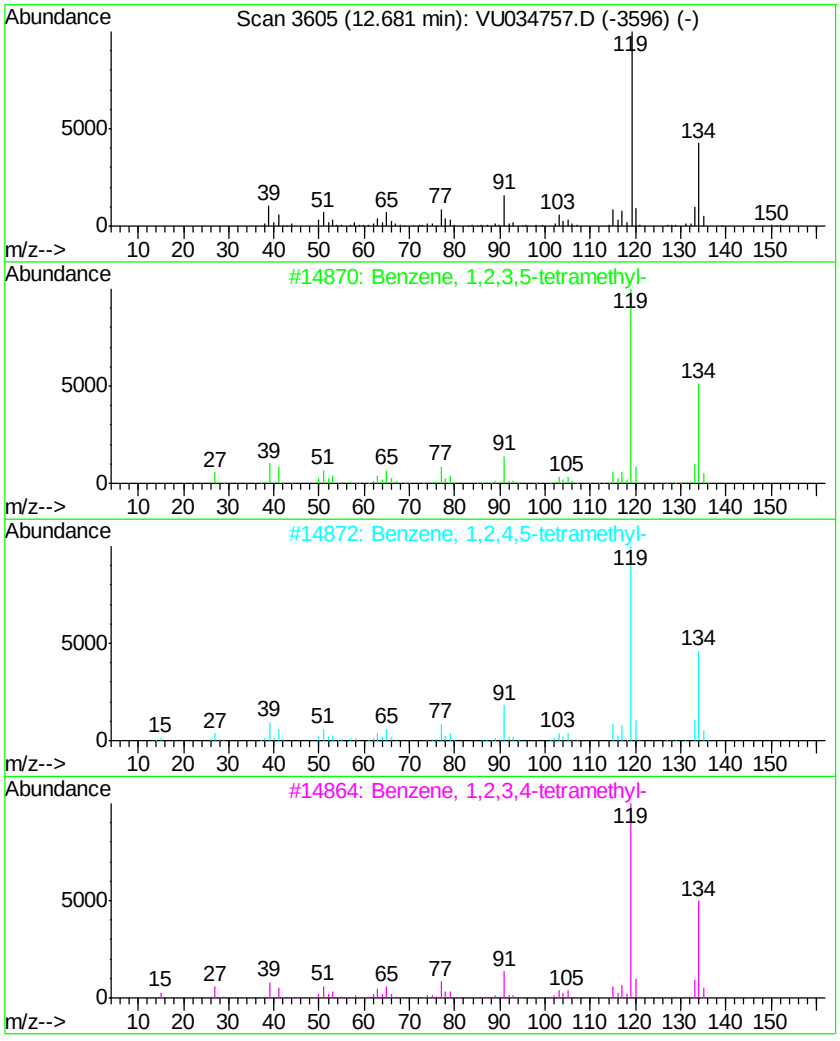
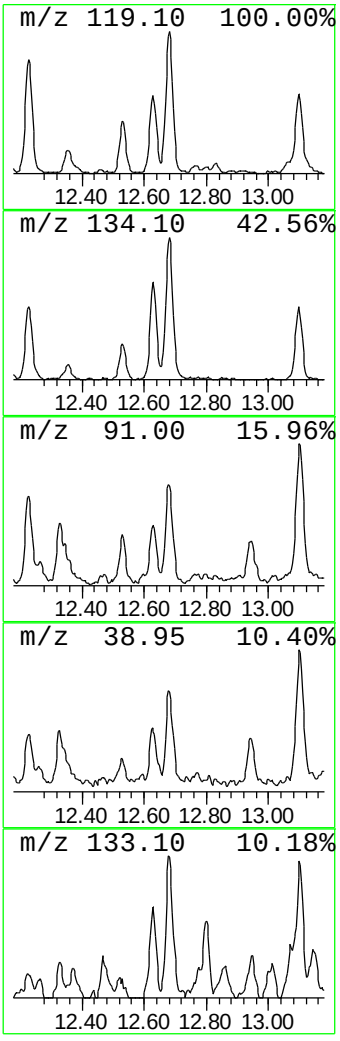
Peak Number 19 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	6.08 ug/L	197641	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





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Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

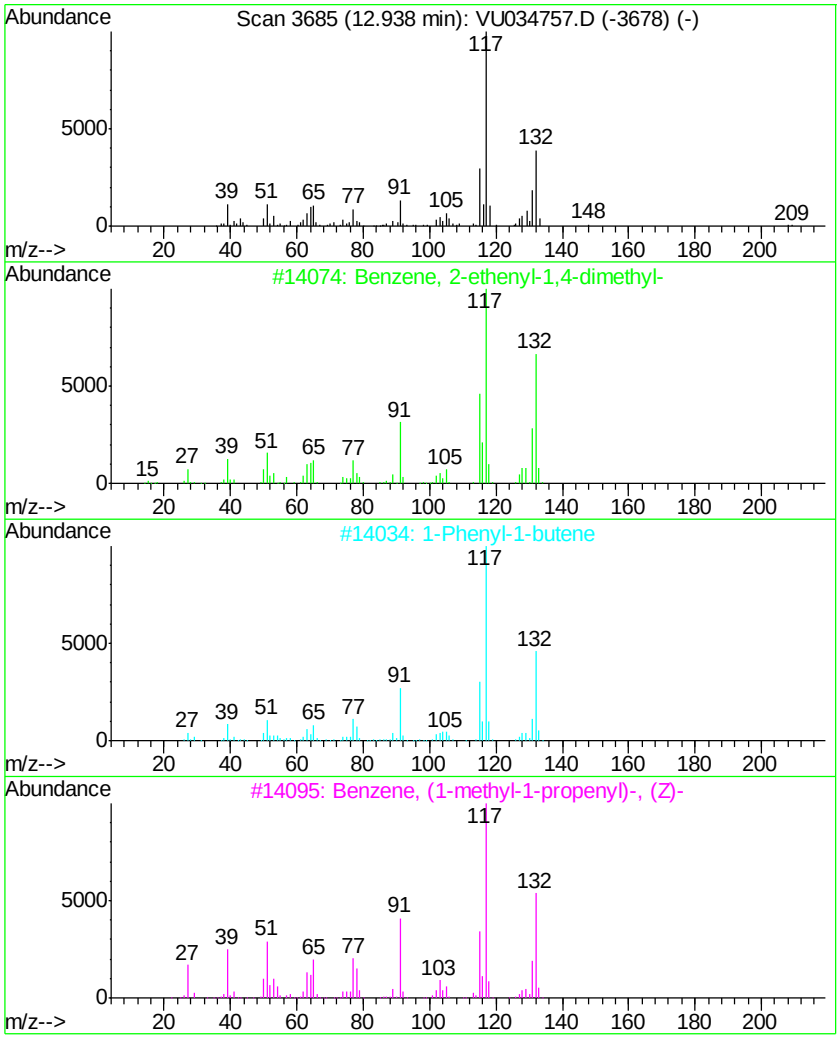
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

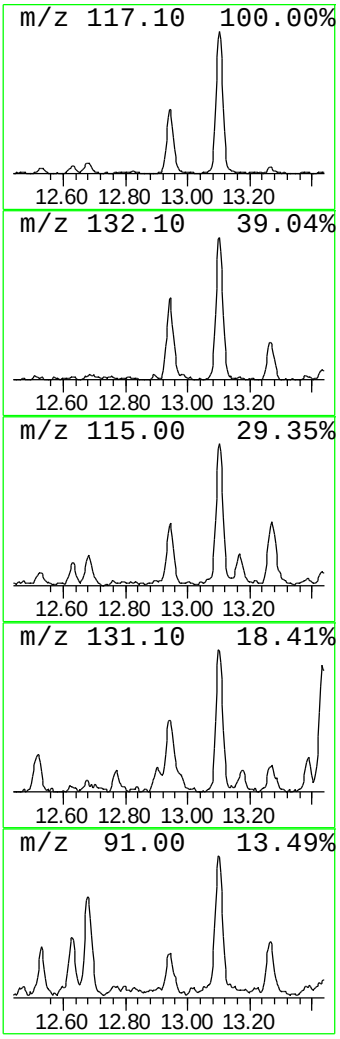
****

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.64 ug/L	118277	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	96
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	94
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	92





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Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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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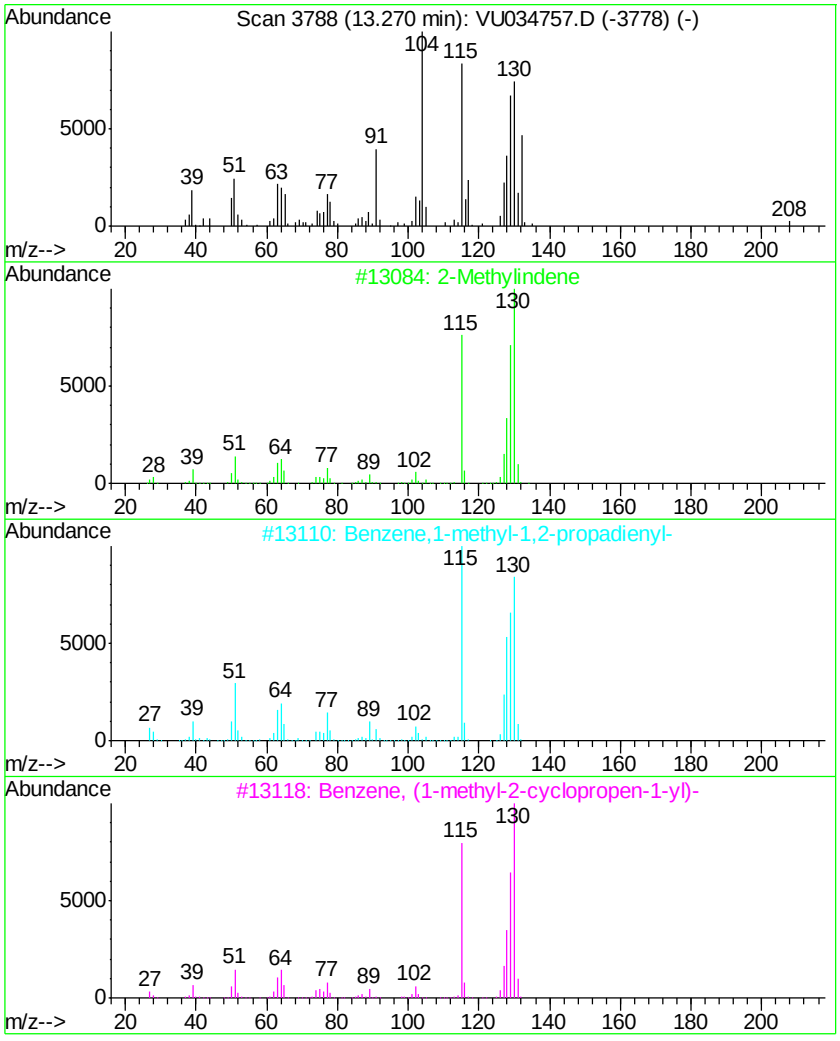
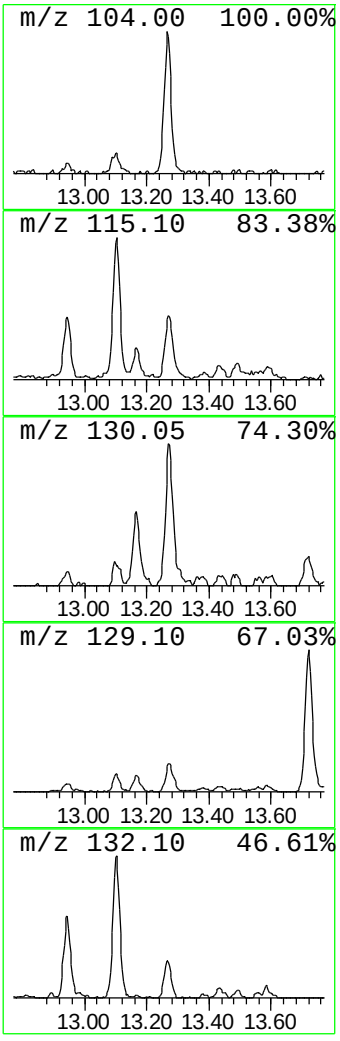
Peak Number 22 2-Methylindene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.33 ug/L	108249	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	90
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	87
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	87
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	78
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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

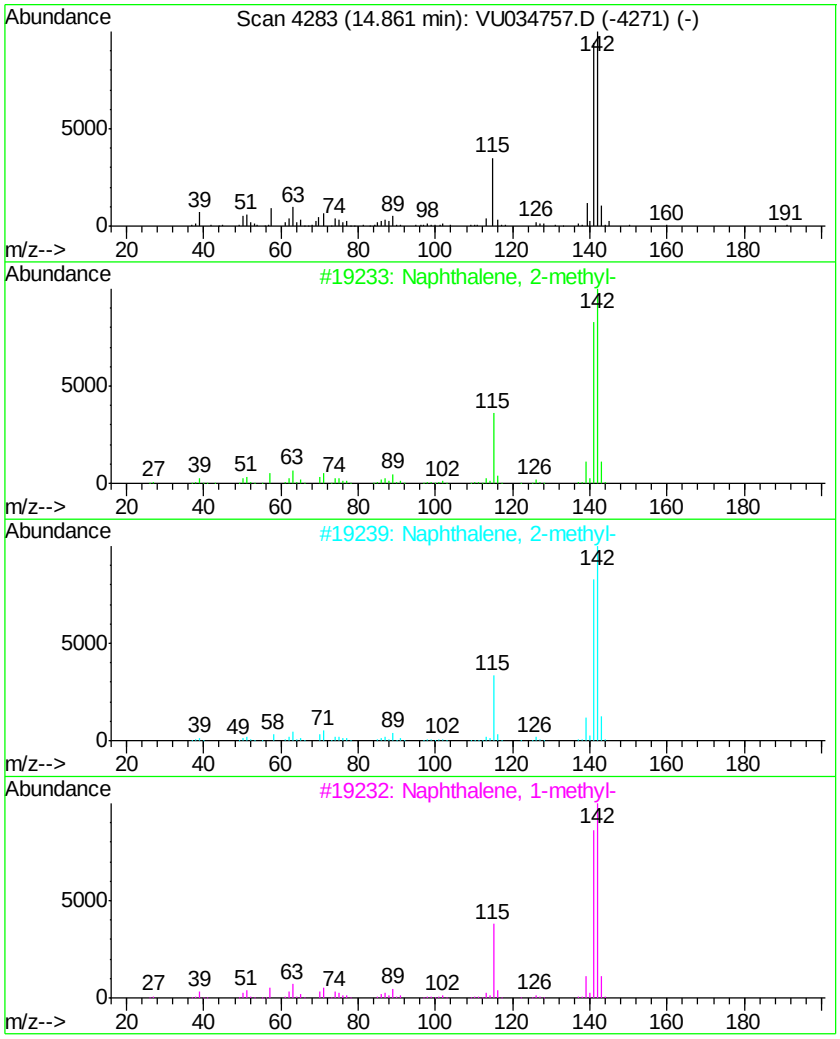
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

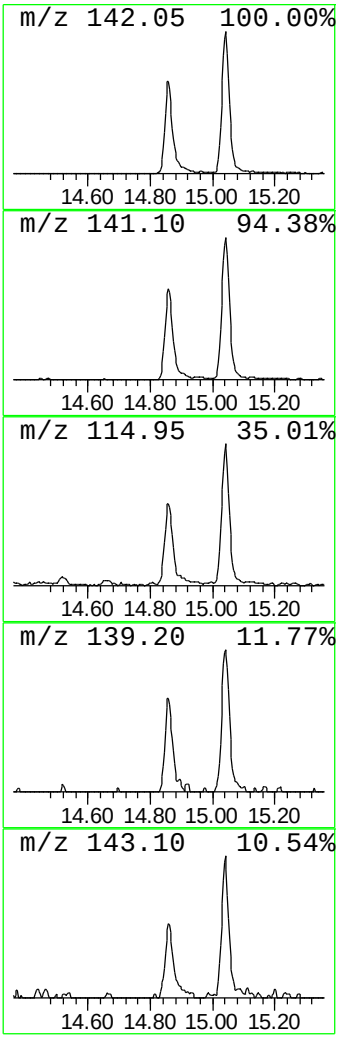
****

Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	6.02 ug/L	195522	1,4-Dichlorobenzene-d4	11.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034757.D
Acq On : 24 Sep 2019 00:50
Operator : JC/SP
Sample : K4932-14
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM5

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	7.7	ug/L	213012	1	5.86	1378530	50.0
n-Propyl acetate	6.68	144.8	ug/L	3991070	1	5.86	1378530	50.0
Propanoic acid, 1...	7.40	16.2	ug/L	447563	1	5.86	1378530	50.0
Propanoic acid, 2...	8.13	20.2	ug/L	716310	2	9.07	1775220	50.0
Propanoic acid, p...	8.40	33.2	ug/L	1177300	2	9.07	1775220	50.0
Butanoic acid, 1-...	8.88	41.2	ug/L	1462380	2	9.07	1775220	50.0
Benzene, propyl-	10.57	4.8	ug/L	154224	3	11.46	1624750	50.0
Benzene, 1-ethyl-...	10.66	23.4	ug/L	760905	3	11.46	1624750	50.0
Benzene, 1,2,3-tr...	10.75	10.4	ug/L	339355	3	11.46	1624750	50.0
Indane	11.74	13.7	ug/L	445059	3	11.46	1624750	50.0
Benzene, 4-ethyl-...	12.12	3.5	ug/L	113109	3	11.46	1624750	50.0
(E)-1-Phenyl-1-bu...	12.33	5.2	ug/L	170047	3	11.46	1624750	50.0
Benzene, 1,2,3,4-...	12.63	3.6	ug/L	117024	3	11.46	1624750	50.0
Benzene, 1,2,3,5-...	12.68	6.1	ug/L	197641	3	11.46	1624750	50.0
Benzene, 2-etheny...	12.94	3.6	ug/L	118277	3	11.46	1624750	50.0
2-Methylindene	13.27	3.3	ug/L	108249	3	11.46	1624750	50.0
Naphthalene, 1-me...	14.86	6.0	ug/L	195522	3	11.46	1624750	50.0