LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	23	27	33	rBV2	9748	9914	0.42%	0.037%
2	1.392	87	94	105	rBV	306393	319523	13.49%	1.184%
3	1.466	113	117	125	rVB	20167	20725	0.88%	0.077%
4	1.540	135	140	151	rVB2	33732	47699	2.01%	0.177%
5	1.675	173	182	193	rBV	257821	331565	14.00%	1.229%
6	2.257	354	363	373	rVV	443242	663865	28.03%	2.461%
7	2.309	373	379	393	rVB	61921	99069	4.18%	0.367%
8	2.685	485	496	510	rBV	110977	199591	8.43%	0.740%
9	2.775	522	524	526	rBV3	1702	1019	0.04%	0.004%
10	2.804	528	533	550	rVB2	9678	19274	0.81%	0.071%
11	2.900	559	563	565	rBV3	1383	976	0.04%	0.004%
12	2.971	582	585	587	rBV4	1306	786	0.03%	0.003%
13	3.113	627	629	633	rVB4	1476	938	0.04%	0.003%
14	3.138	633	637	639	rBV2	2083	1613	0.07%	0.006%
15	3.174	639	648	657	rVV6	5213	9110	0.38%	0.034%
16	3.277	677	680	682	rBV3	1728	971	0.04%	0.004%
17	3.341	697	700	703	rVV5	1114	829	0.04%	0.003%
18	3.402	712	719	721	rBV5	1693	1652	0.07%	0.006%
19	3.543	756	763	764	rBV4	2494	2437	0.10%	0.009%
20	3.621	783	787	791	rBV3	776	727	0.03%	0.003%
21	3.717	814	817	823	rVB5	2122	1521	0.06%	0.006%
22	3.749	823	827	830	rBV5	1258	928	0.04%	0.003%
23	3.769	830	833	836	rVV3	924	795	0.03%	0.003%
24	3.868	861	864	872	rVB6	1836	1535	0.06%	0.006%
25	3.904	872	875	877	rBV2	869	685	0.03%	0.003%
26	3.978	895	898	899	rVV3	1661	1067	0.05%	0.004%
27	4.003	903	906	909	rVB4	1051	708	0.03%	0.003%
28	4.151	940	952	976	rBV2	224057	592250	25.01%	2.195%
29	4.624	1080	1099	1119	rBV	351136	836491	35.32%	3.100%
30	4.974	1198	1208	1221	rVB	6299	13867	0.59%	0.051%
31	5.061	1232	1235	1237	rVV3	2315	1341	0.06%	0.005%
32	5.074	1237	1239	1242	rVB3	1782	917	0.04%	0.003%
33	5.100	1245	1247	1252	rVB4	1593	1421	0.06%	0.005%
34	5.145	1256	1261	1265	rBV7	1382	1241	0.05%	0.005%

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Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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	5.186	1270	1274	1276	rBV3	1378	1111	0.05%	0.004%
36	5.315	1290	1314	1347	rBV2	738646	2262637	95.53%	8.386%
37	5.531	1369	1381	1398	rBV	67760	143386	6.05%	0.531%
38	5.730	1440	1443	1446	rBV4	984	755	0.03%	0.003%
39	5.865	1471	1485	1504	rBV	500514	1010343	42.66%	3.745%
40	6.309	1608	1623	1640	rBV	514544	1040456	43.93%	3.856%
41	6.563	1696	1702	1706	rBV	11950	17527	0.74%	0.065%
42	6.685	1728	1740	1775	rBV	1300578	2368397	100.00%	8.778%
43	7.029	1843	1847	1850	rBV5	3039	2791	0.12%	0.010%
44	7.161	1885	1888	1890	rBV3	1081	812	0.03%	0.003%
45	7.206	1890	1902	1924	rVV	292534	535064	22.59%	1.983%
46	7.399	1952	1962	1969	rBV2	185828	319871	13.51%	1.186%
47	7.440	1969	1975	1994	rVB2	170039	289271	12.21%	1.072%
48	7.543	1995	2007	2023	rBV	1006724	1791232	75.63%	6.639%
49	7.829	2085	2096	2113	rBV2	223478	404564	17.08%	1.500%
50	8.074	2164	2172	2175	rBV8	3216	4790	0.20%	0.018%
51	8.135	2179	2191	2208	rBV	395250	659062	27.83%	2.443%
52	8.212	2208	2215	2218	rBV2	21460	29169	1.23%	0.108%
53	8.289	2229	2239	2262	rBV	849497	1485294	62.71%	5.505%
54	8.395	2263	2272	2298	rVB	489063	800366	33.79%	2.967%
55	8.511	2303	2308	2321	rVB4	18055	30573	1.29%	0.113%
56	8.884	2410	2424	2452	rBV	773595	1273791	53.78%	4.721%
57	9.067	2465	2481	2510	rVB	759110	1311155	55.36%	4.860%
58	9.231	2523	2532	2542	rBV2	57380	96666	4.08%	0.358%
59	9.354	2560	2570	2584	rVB2	143459	243219	10.27%	0.901%
60	9.588	2635	2643	2653	rBV3	18756	31886	1.35%	0.118%
61	9.755	2683	2695	2720	rBV3	281218	511607	21.60%	1.896%
62	9.916	2739	2745	2751	rBV5	5424	9343	0.39%	0.035%
63	10.006	2769	2773	2774	rBV3	2767	1993	0.08%	0.007%
64	10.144	2804	2816	2830	rVB2	25139	46941	1.98%	0.174%
65	10.296	2859	2863	2865	rBV4	2546	2046	0.09%	0.008%
66	10.408	2887	2898	2924	rVB	684672	1116290	47.13%	4.138%
67	10.566	2938	2947	2960	rBV2	37055	62637	2.64%	0.232%
68	10.659	2967	2976	2996	rBV	84208	195060	8.24%	0.723%
69	10.749	2996	3004	3018	rVB	79583	122547	5.17%	0.454%
70	10.900	3043	3051	3057	rBV6	11398	17639	0.74%	0.065%
71	10.948	3057	3066	3088	rVB	108655	191522	8.09%	0.710%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	11.125	3109	3121	3141	rBV	406783	626334	26.45%	2.321%
73	11.299	3169	3175	3183	rVB7	22441	31479	1.33%	0.117%
74	11.405	3199	3208	3214	rBV5	19630	31478	1.33%	0.117%
75	11.460	3214	3225	3242	rVV	724400	1187358	50.13%	4.401%
76	11.546	3243	3252	3268	rVB	177725	292789	12.36%	1.085%
77	11.743	3303	3313	3323	rBV	108234	192211	8.12%	0.712%
78	11.836	3332	3342	3371	rVB	968426	1703076	71.91%	6.312%
79	12.032	3395	3403	3415	rVB2	19765	33070	1.40%	0.123%
80	12.125	3424	3432	3437	rBV3	43626	70702	2.99%	0.262%
81	12.231	3456	3465	3472	rBV2	57620	92741	3.92%	0.344%
82	12.331	3488	3496	3519	rVB3	49074	106864	4.51%	0.396%
83	12.466	3533	3538	3548	rBV3	5136	8313	0.35%	0.031%
84	12.530	3548	3558	3568	rVV3	23538	40558	1.71%	0.150%
85	12.595	3571	3578	3583	rVV4	31147	51305	2.17%	0.190%
86	12.630	3584	3589	3596	rVV	46195	66982	2.83%	0.248%
87	12.681	3597	3605	3622	rVB	71795	116861	4.93%	0.433%
88	12.945	3679	3687	3700	rVB3	39143	62193	2.63%	0.231%
89	13.103	3726	3736	3750	rVB3	112986	188715	7.97%	0.699%
90	13.270	3780	3788	3797	rVB5	23107	37415	1.58%	0.139%
91	13.376	3815	3821	3831	rVB5	22114	36492	1.54%	0.135%
92	13.492	3851	3857	3865	rBV6	16236	23563	0.99%	0.087%
93	13.726	3920	3930	3940	rBV	78449	148276	6.26%	0.550%
94	13.922	3981	3991	4005	rBV	15103	37552	1.59%	0.139%
95	14.138	4050	4058	4071	rVB3	13907	24375	1.03%	0.090%
96	14.315	4104	4113	4128	rBV10	13675	31917	1.35%	0.118%
97	14.517	4171	4176	4191	rVB9	10456	19417	0.82%	0.072%
98	14.771	4253	4255	4258	rBV4	1896	1199	0.05%	0.004%
99	14.865	4278	4284	4293	rBV5	16232	27355	1.16%	0.101%
100	15.045	4330	4340	4356	rBV2	33437	70287	2.97%	0.261%

Sum of corrected areas: 26979740

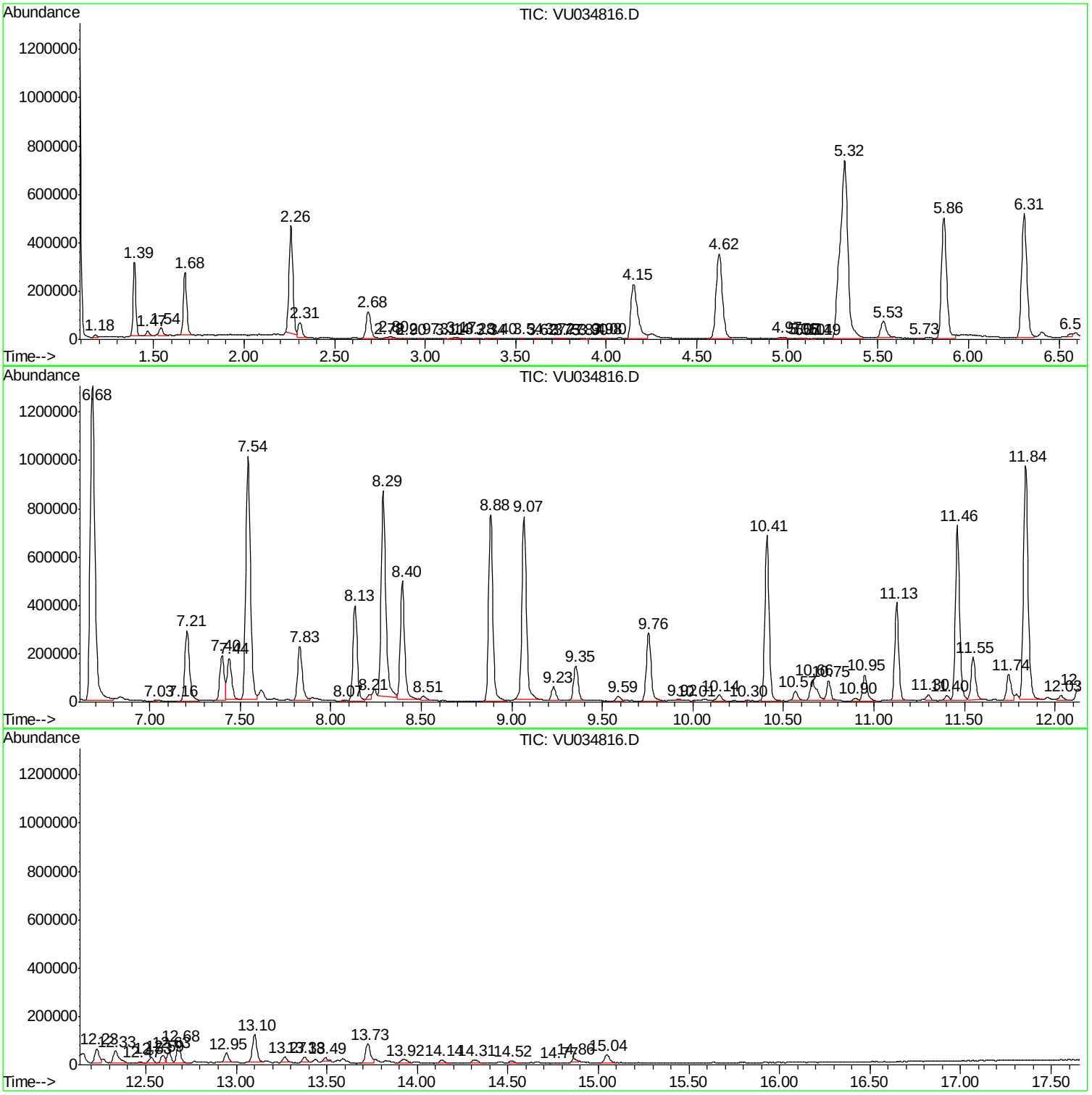
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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 : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
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ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

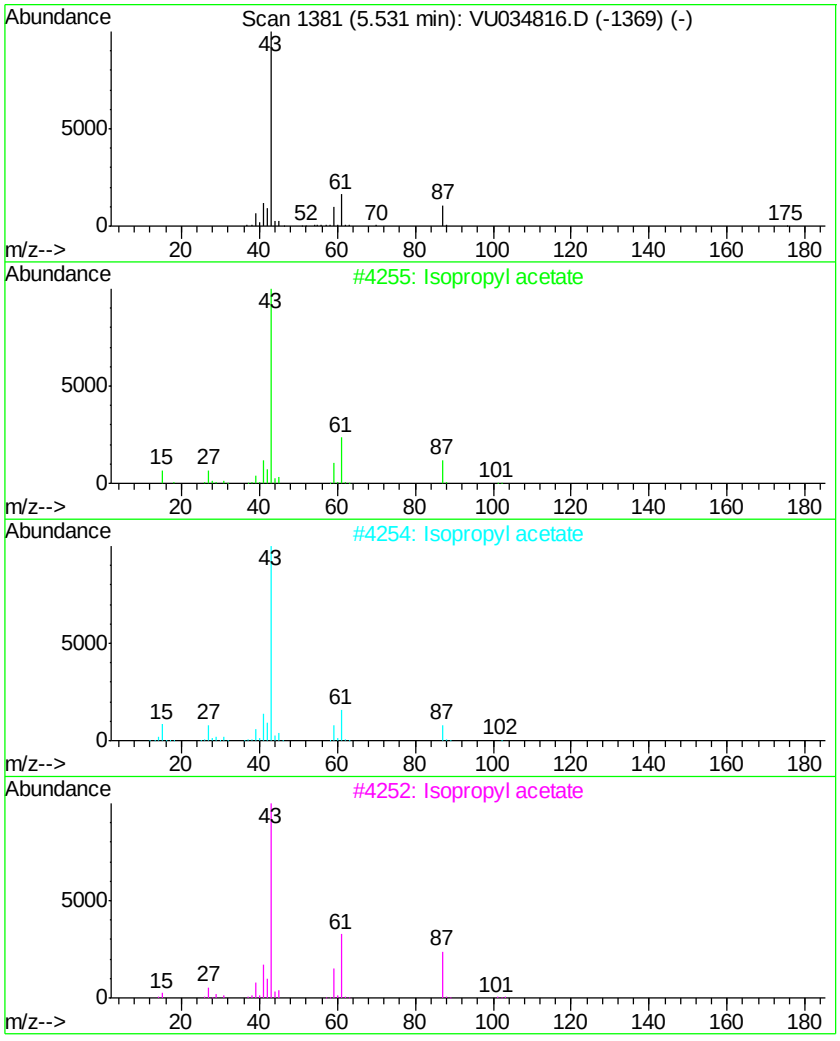
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

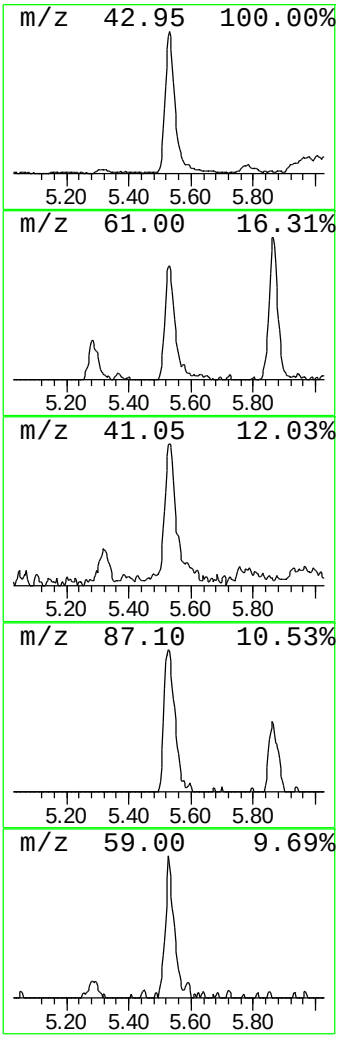
****

Peak Number 1 Isopropyl acetate Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.10 ug/L	143386	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	53
4	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9
5	Thioacetic acid	76	C2H4OS	000507-09-5	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

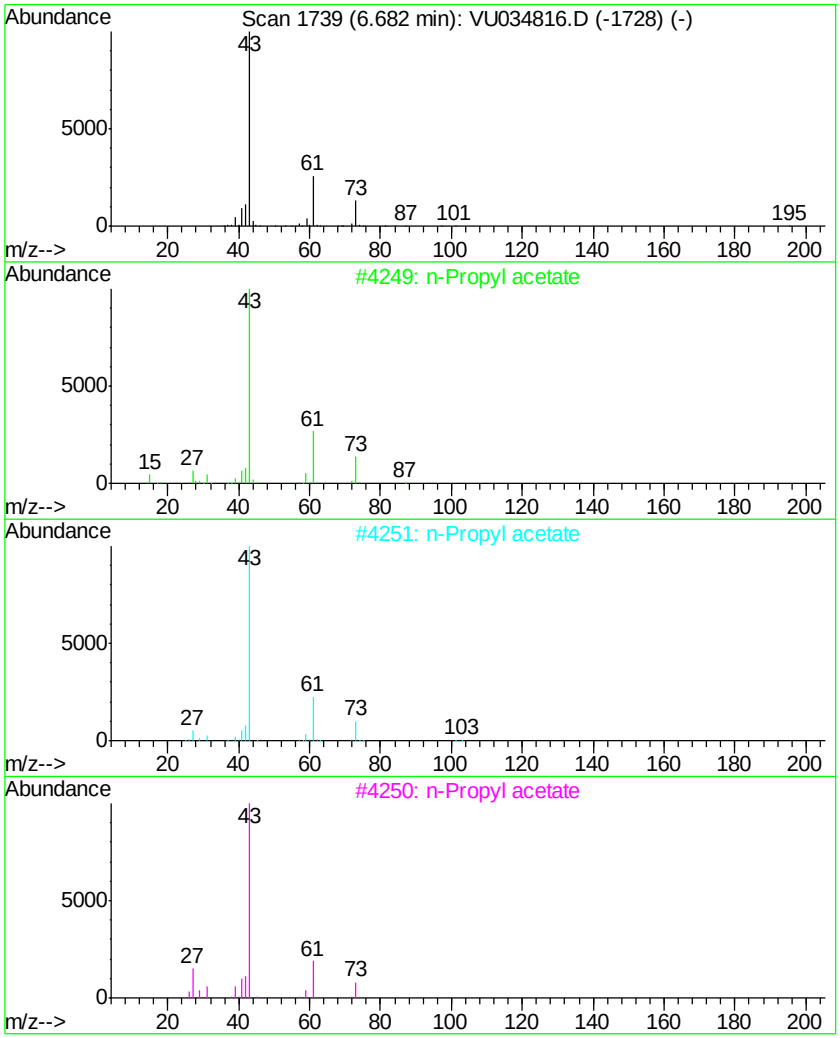
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

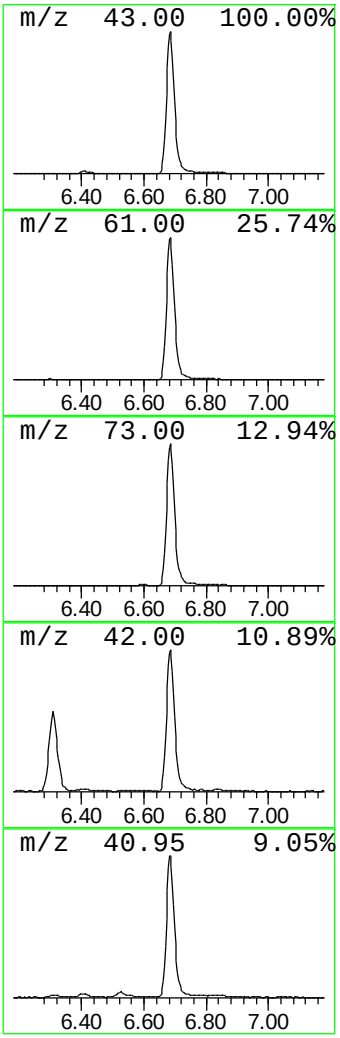
****

Peak Number 2 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	117.21 ug/L	2368400	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\VU092519\
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ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

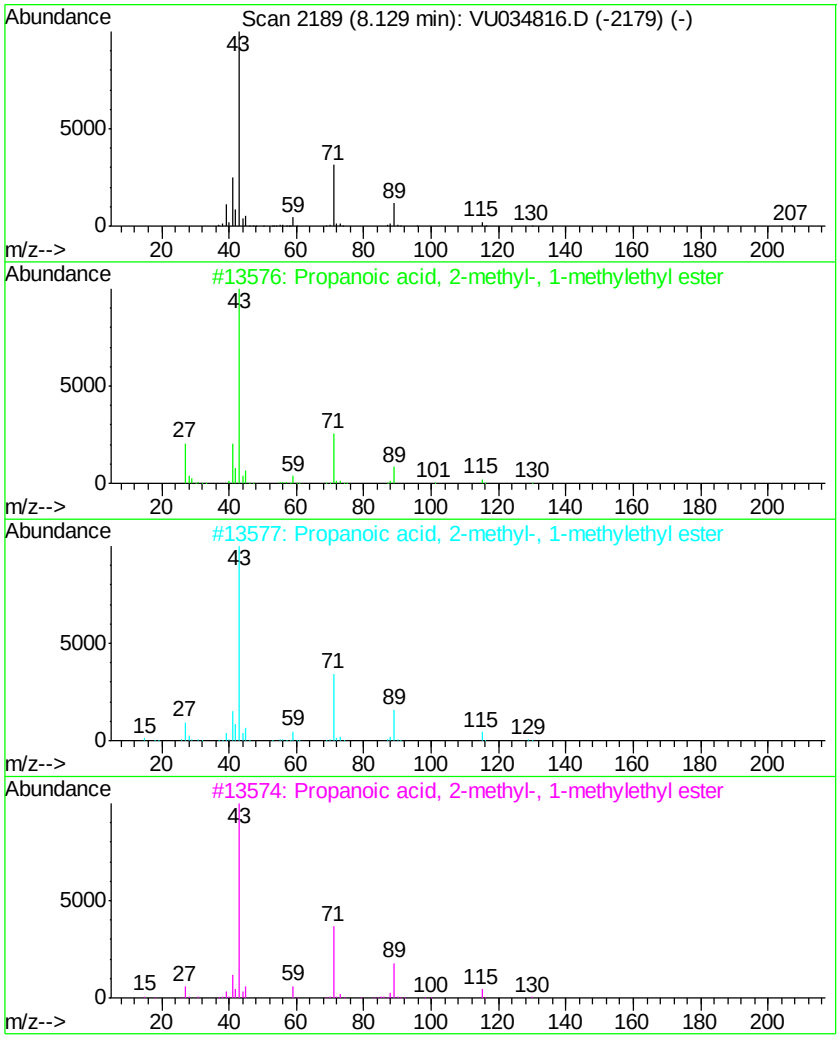
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

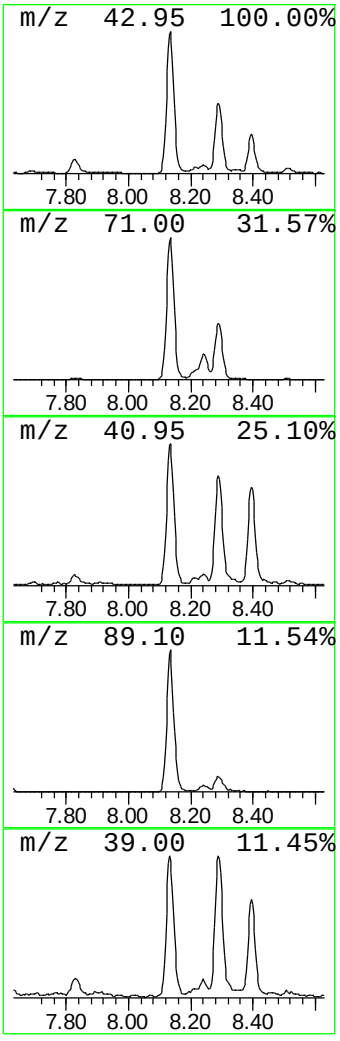
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	25.13 ug/L	659062	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	50





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Acq On : 25 Sep 2019 20:44
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Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

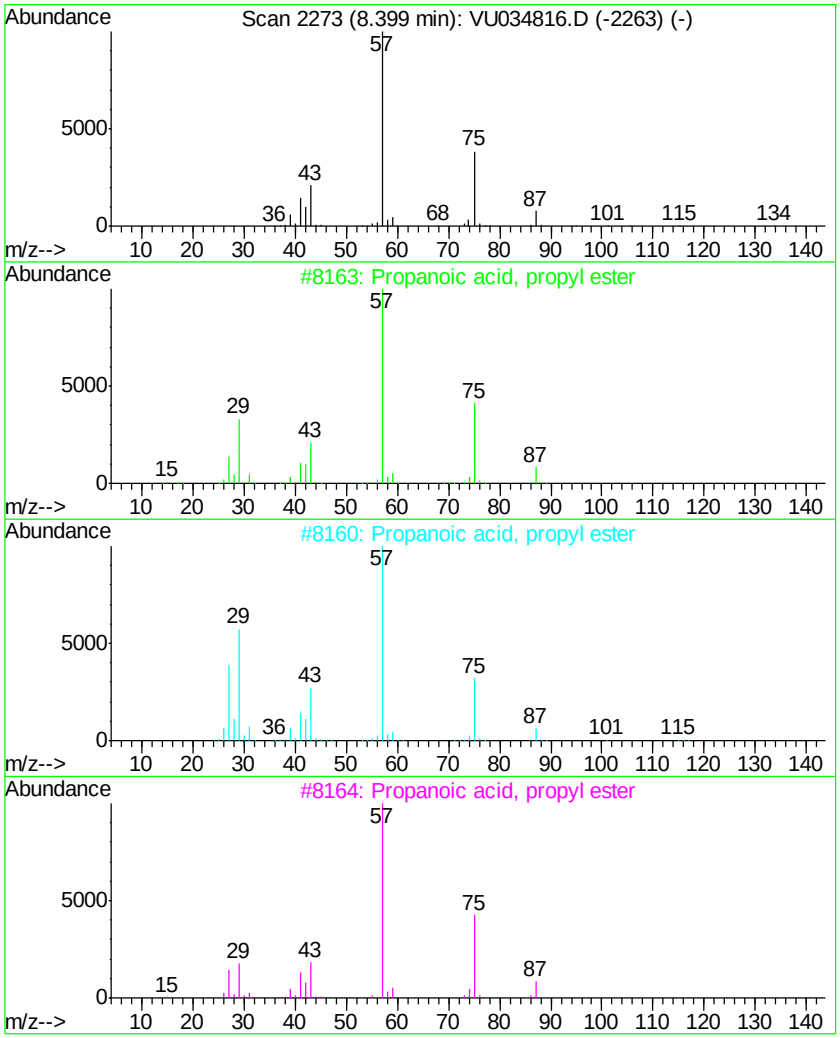
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

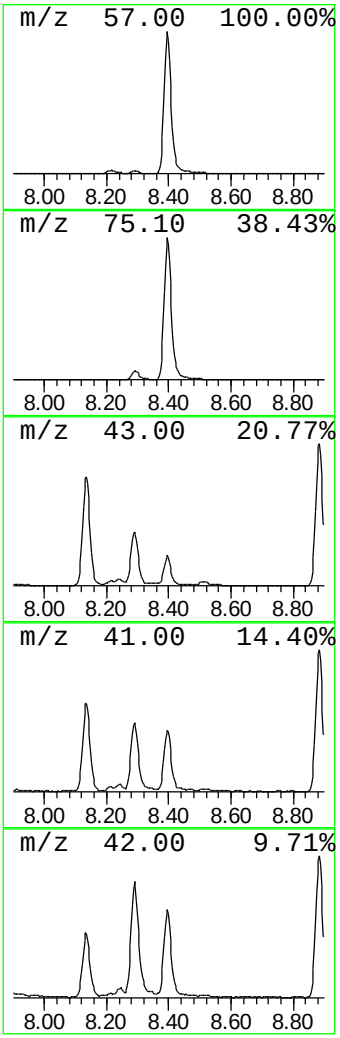
****

Peak Number 5 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	30.52 ug/L	800366	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	36





Library Search Compound Report

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Acq On : 25 Sep 2019 20:44
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

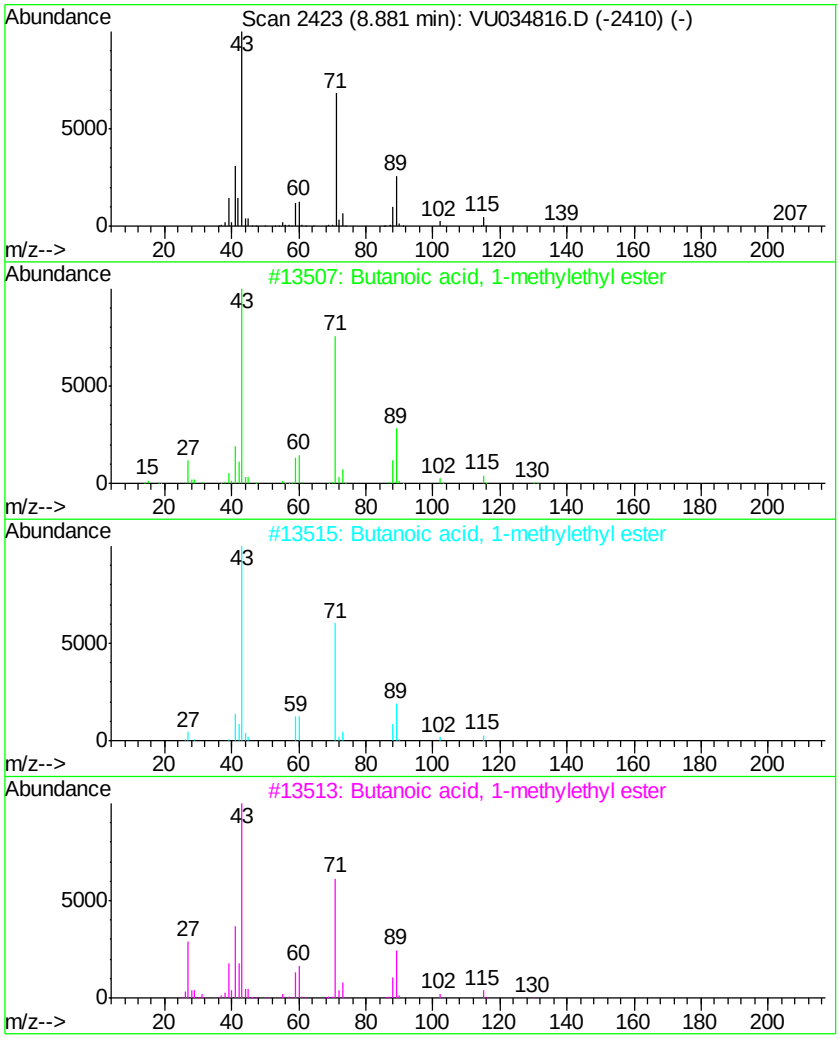
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

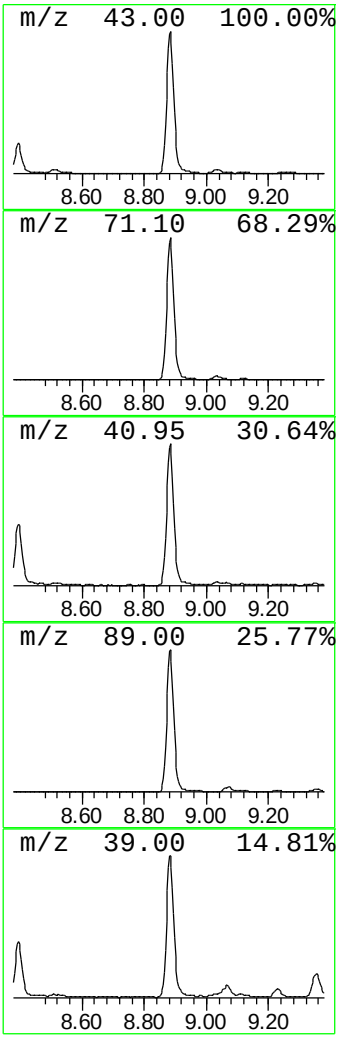
****

Peak Number 6 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	48.58 ug/L	1273790	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	86
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

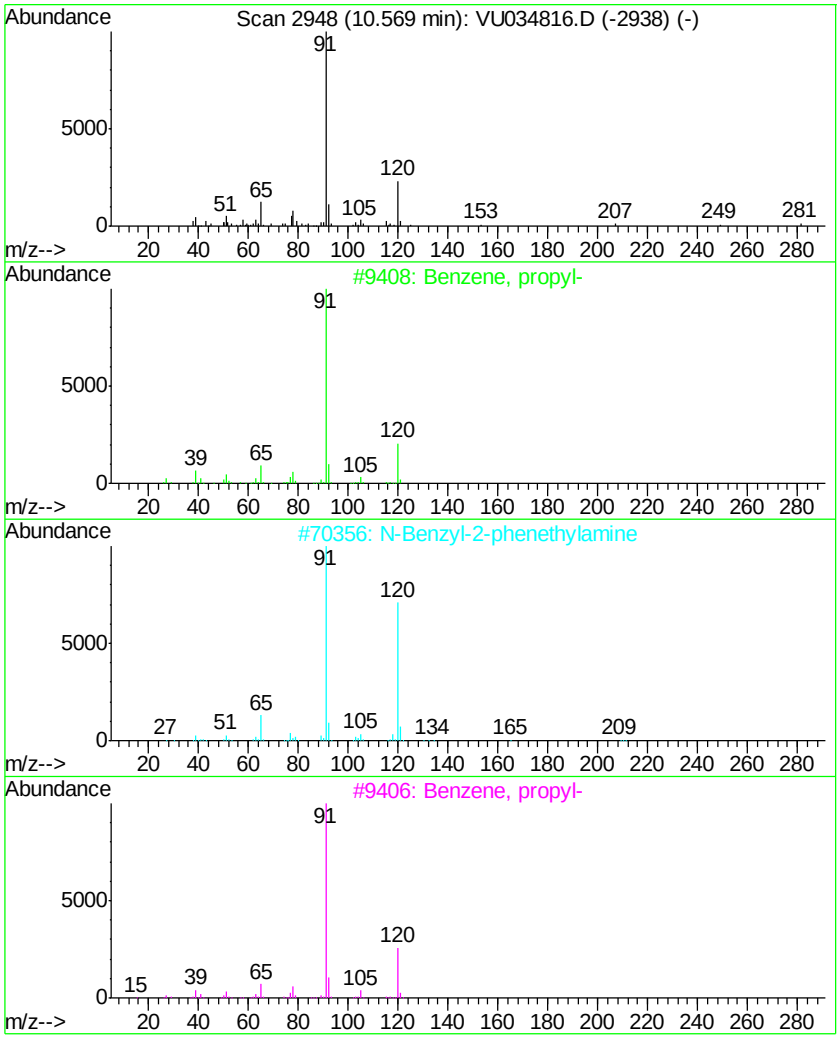
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

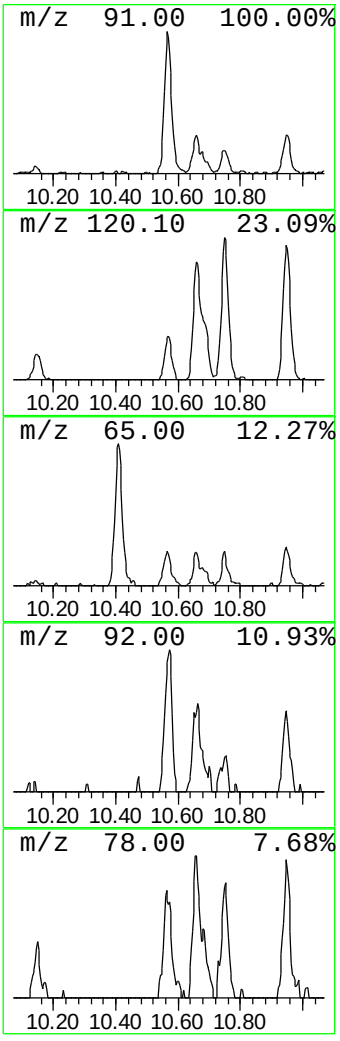
****

Peak Number 7 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	2.64 ug/L	62637	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
3	Benzene, propyl-	120	C9H12	000103-65-1	72
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64
5	1-[N-Carbobenzoxyglycyl]-2-p-tol...	377	C17H19N3O5S	018813-31-5	47





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Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

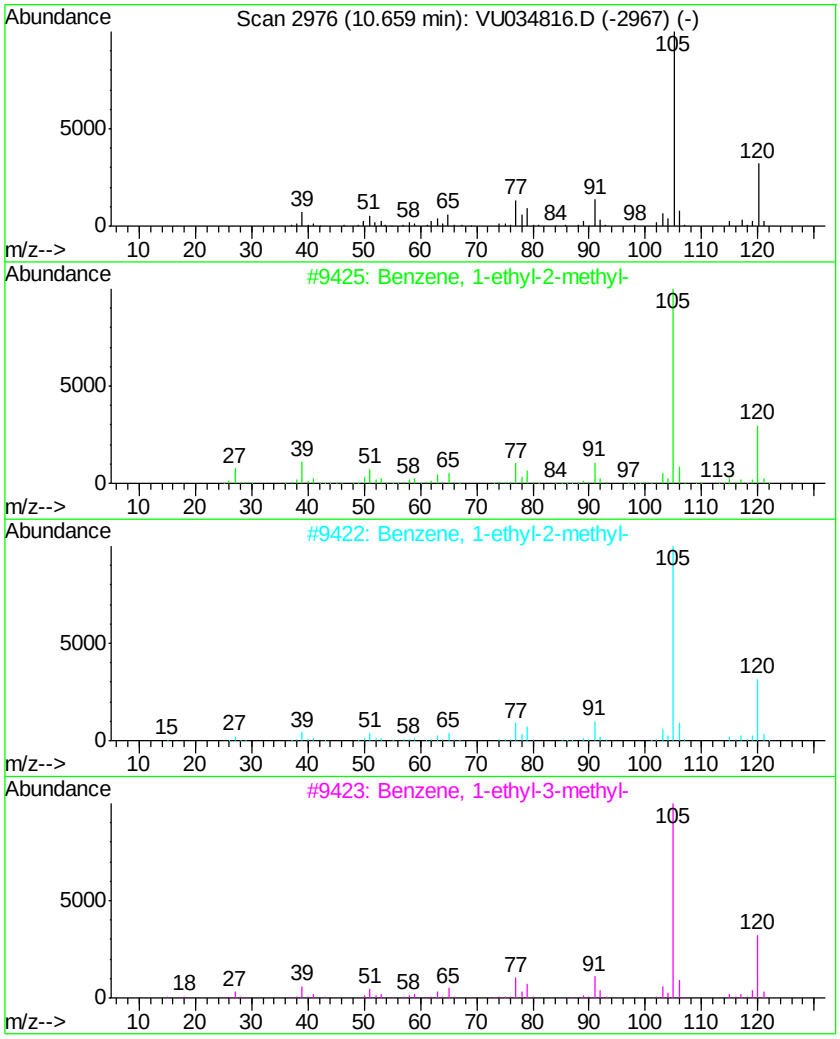
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

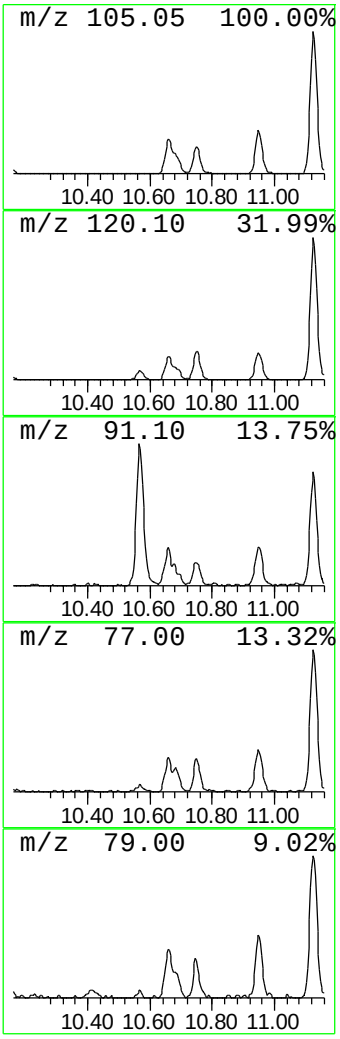
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	8.21 ug/L	195060	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

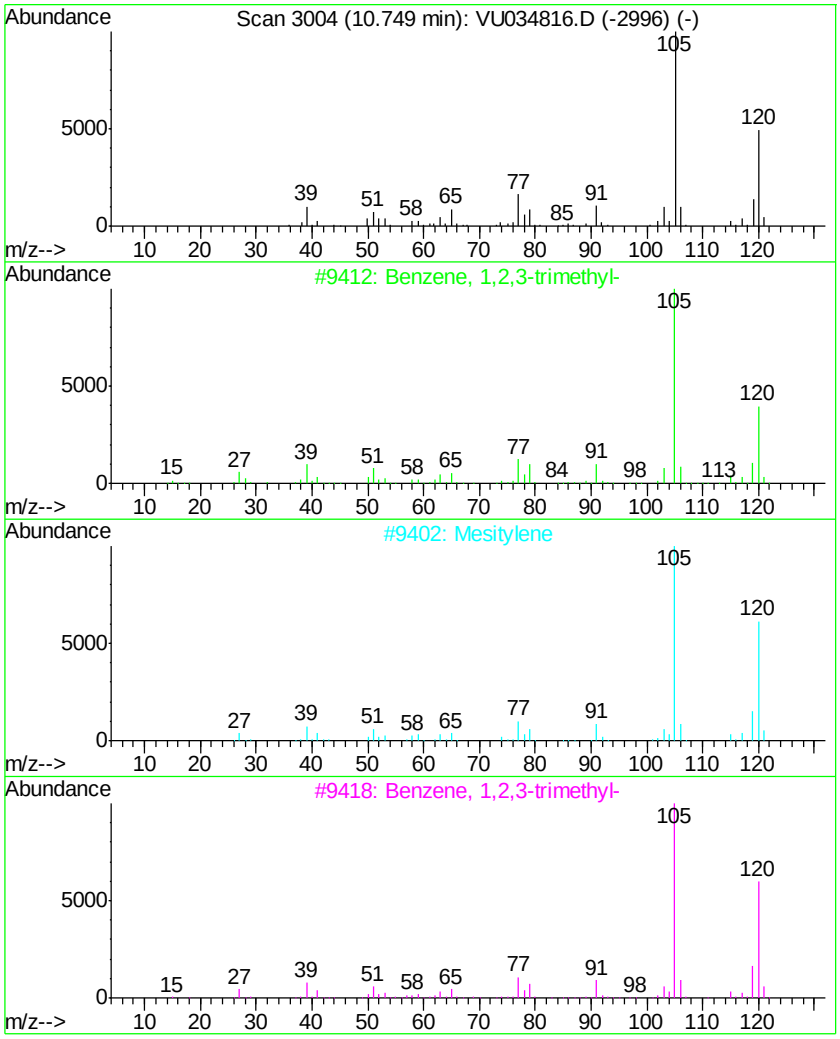
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

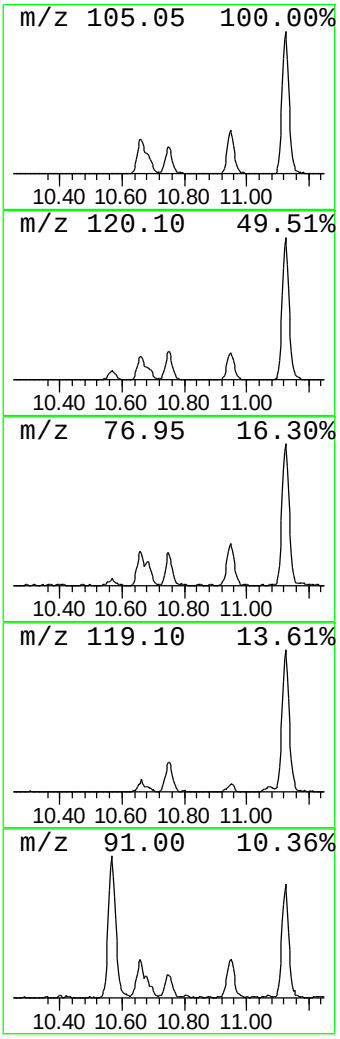
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	5.16 ug/L	122547	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	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





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Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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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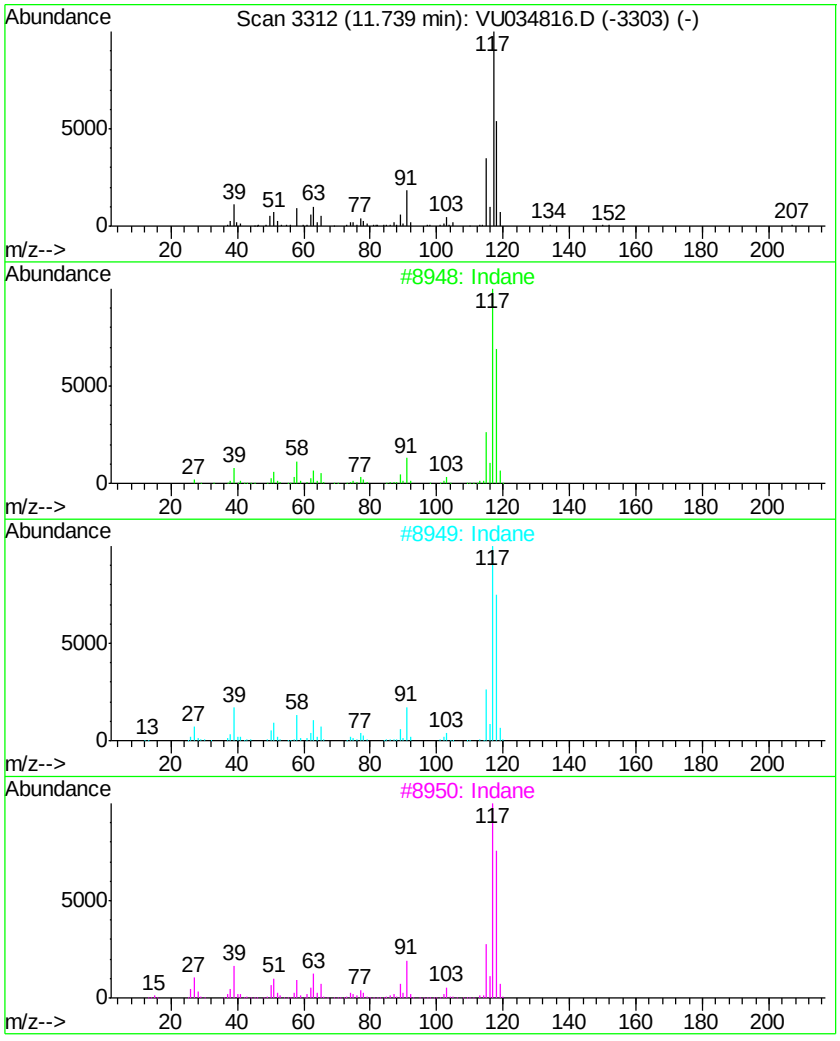
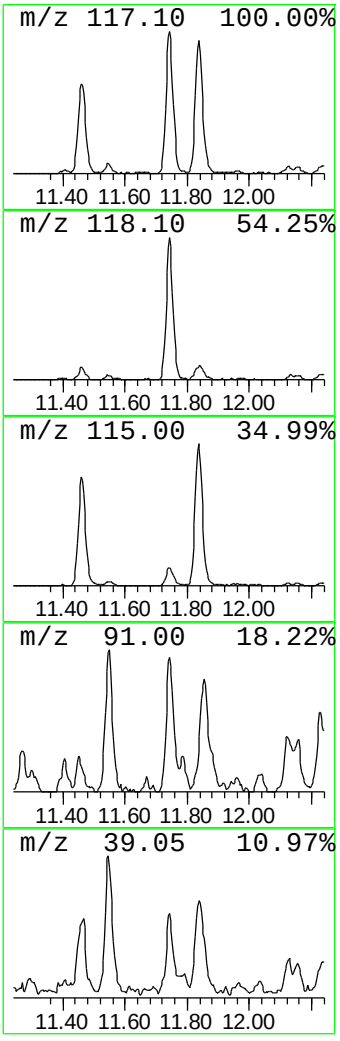
Peak Number 13 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	8.09 ug/L	192211	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, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	89
5	Indane	118	C9H10	000496-11-7	87





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Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

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

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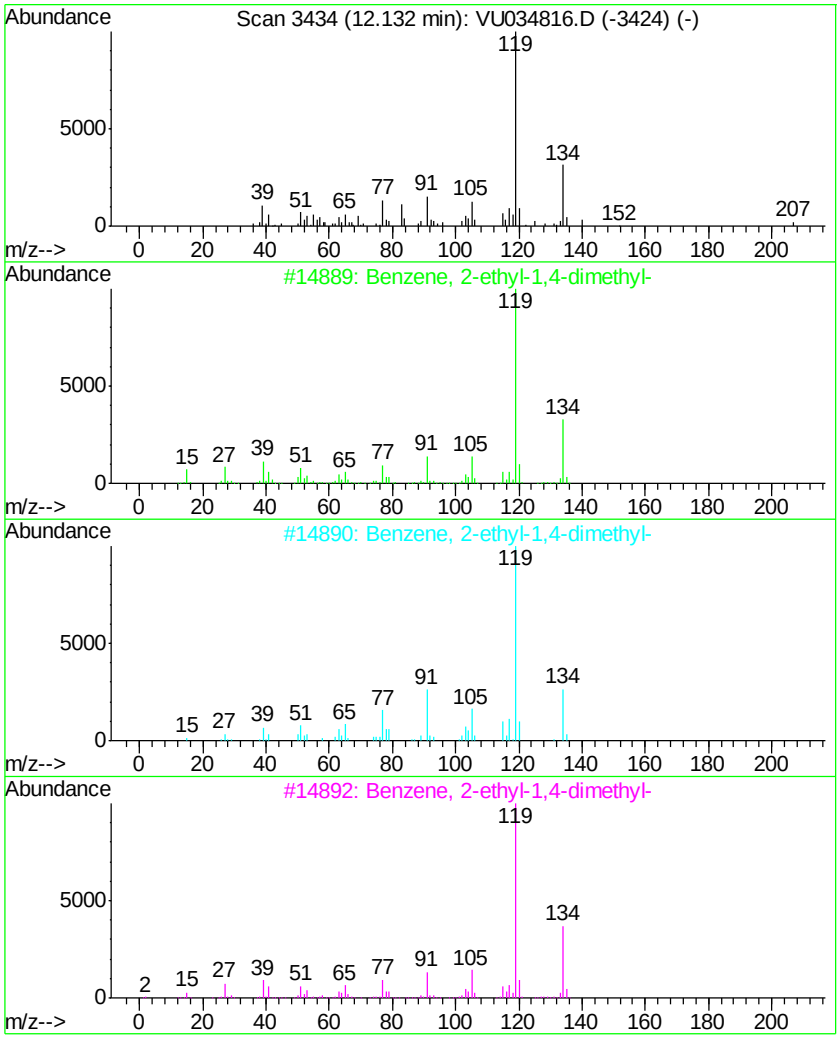
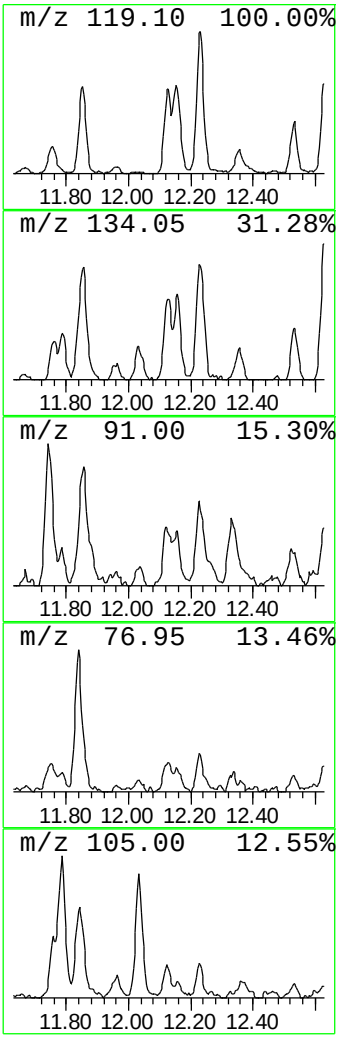
Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.98 ug/L	70702	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	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

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

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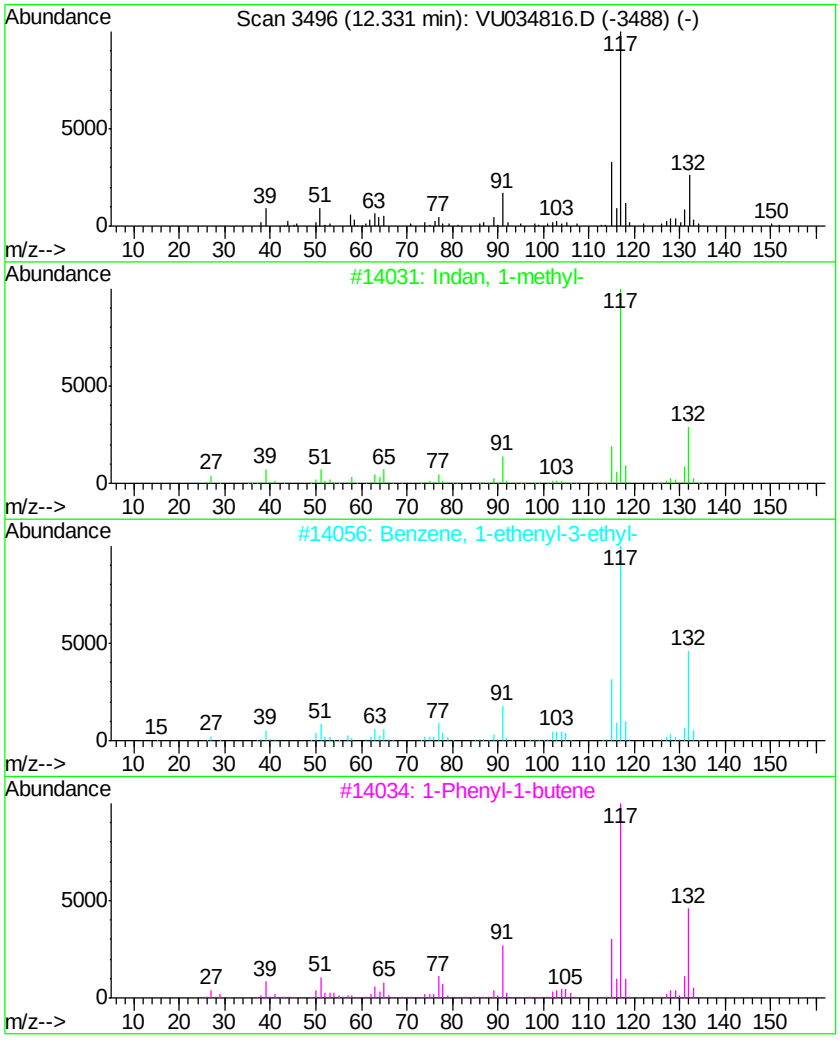
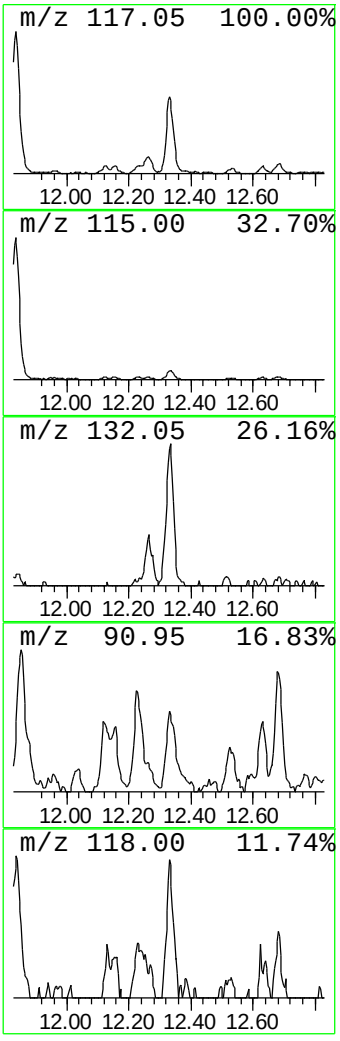
Peak Number 16 Indan, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.50 ug/L	106864	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	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	86
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

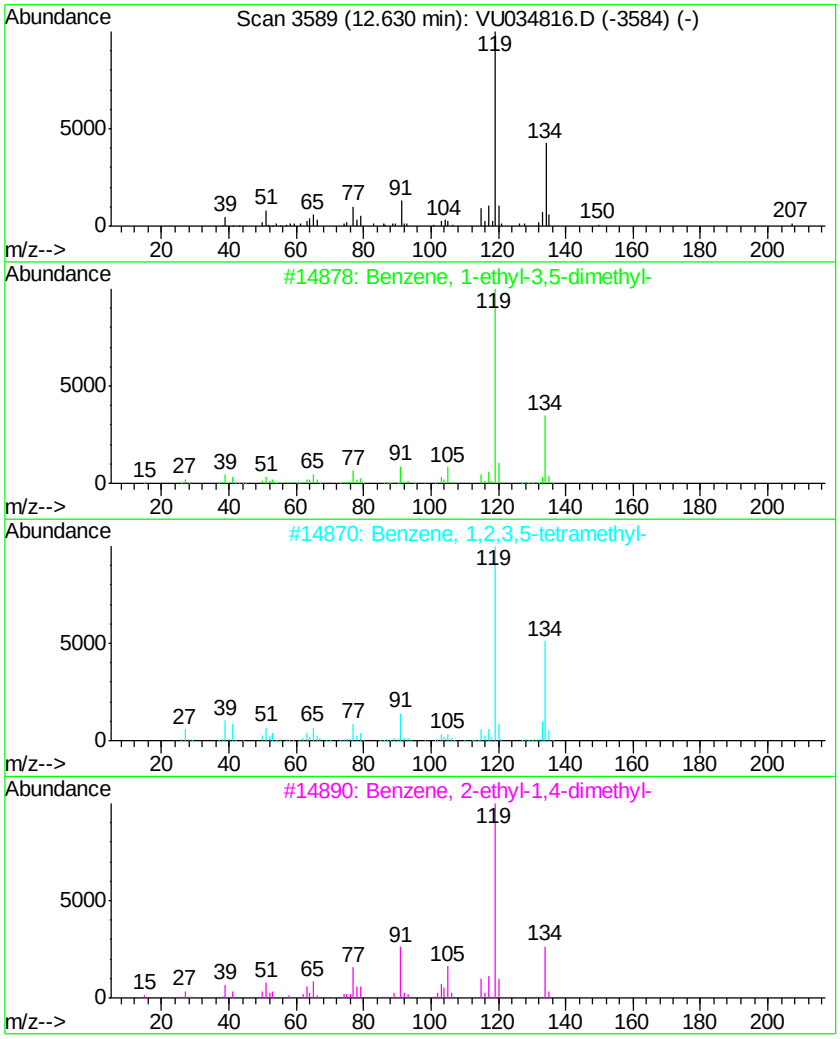
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

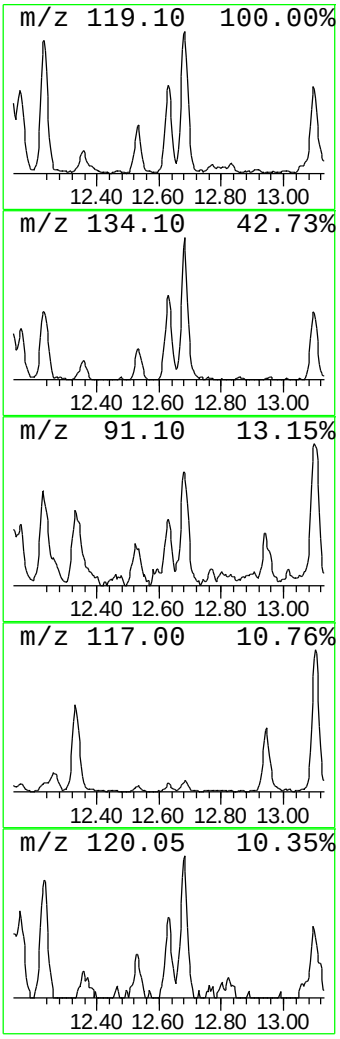
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.82 ug/L	66982	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

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Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

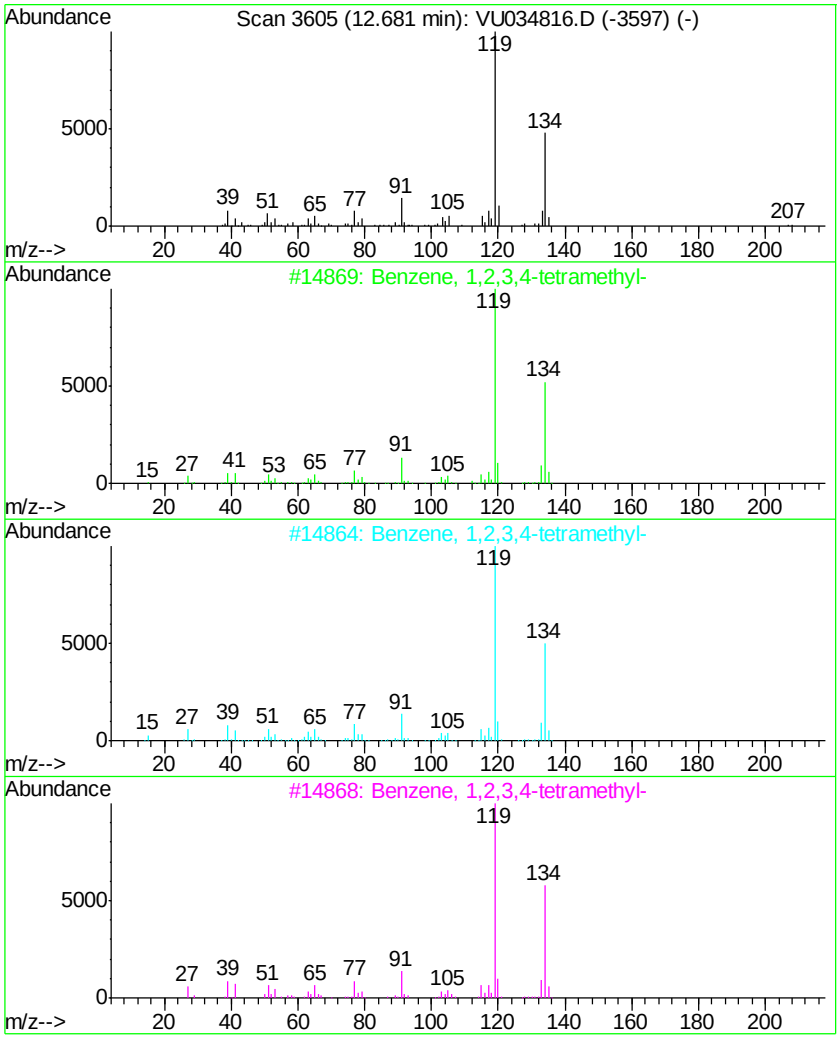
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

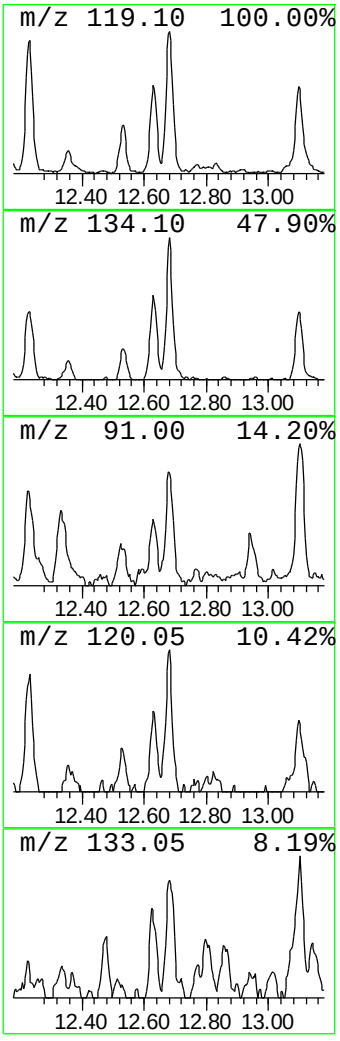
****

Peak Number 18 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	4.92 ug/L	116861	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	95
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	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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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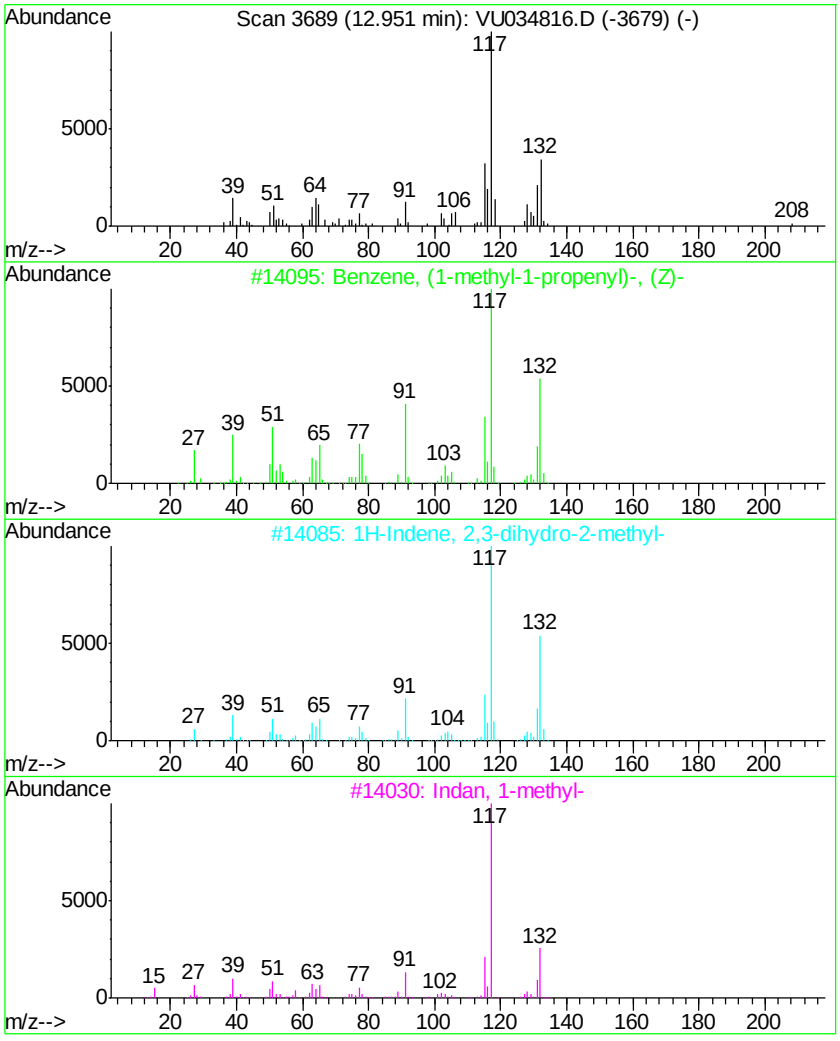
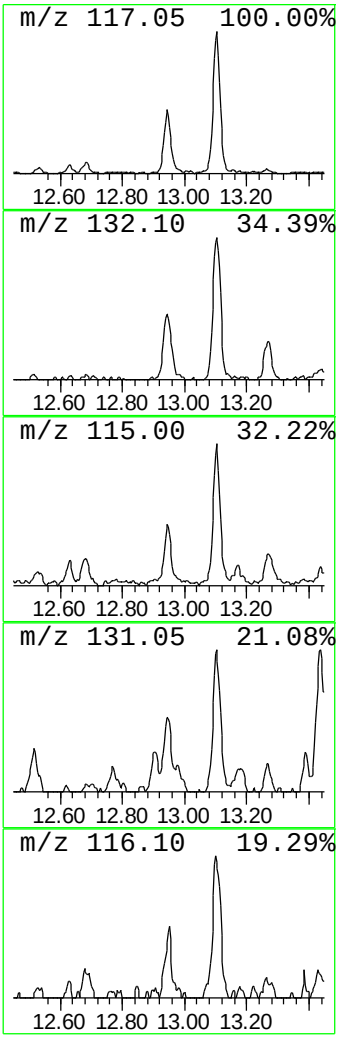
Peak Number 19 Benzene, (1-methyl-1-propen... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.62 ug/L	62193	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





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Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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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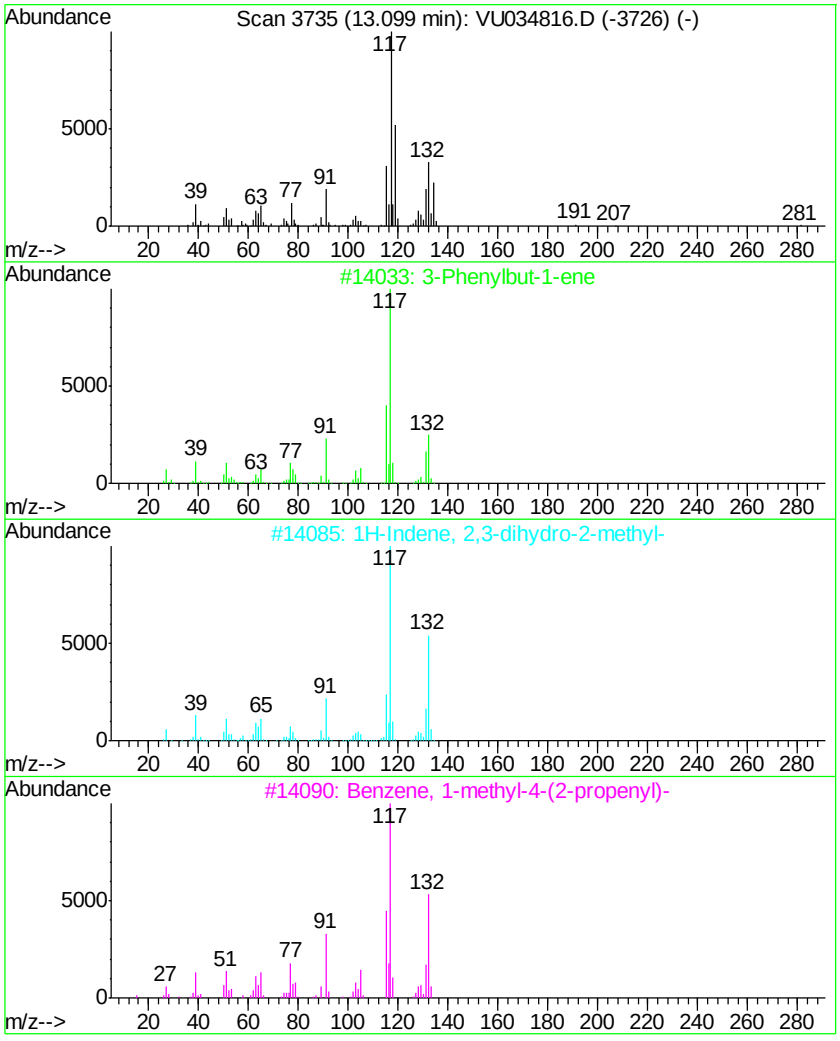
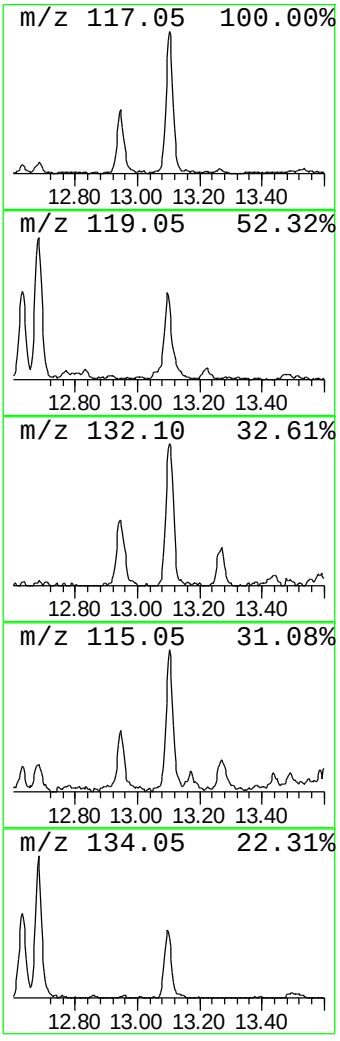
Peak Number 20 3-Phenylbut-1-ene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	7.95 ug/L	188715	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	70





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Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

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

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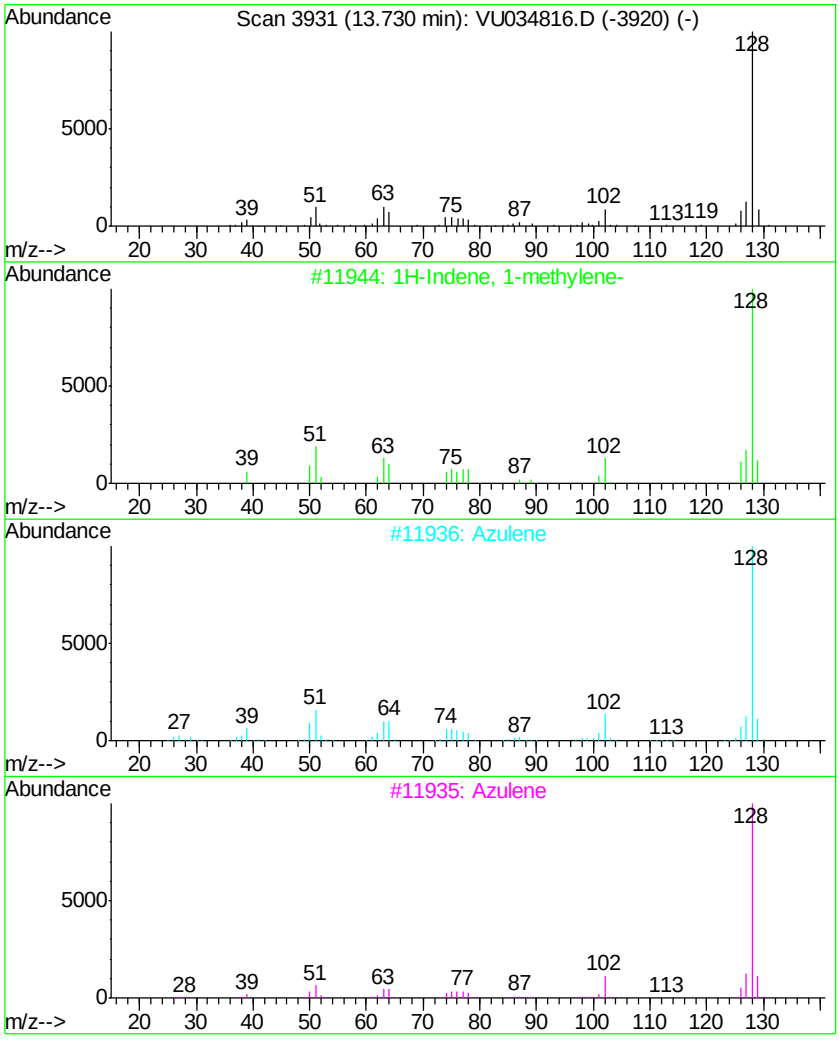
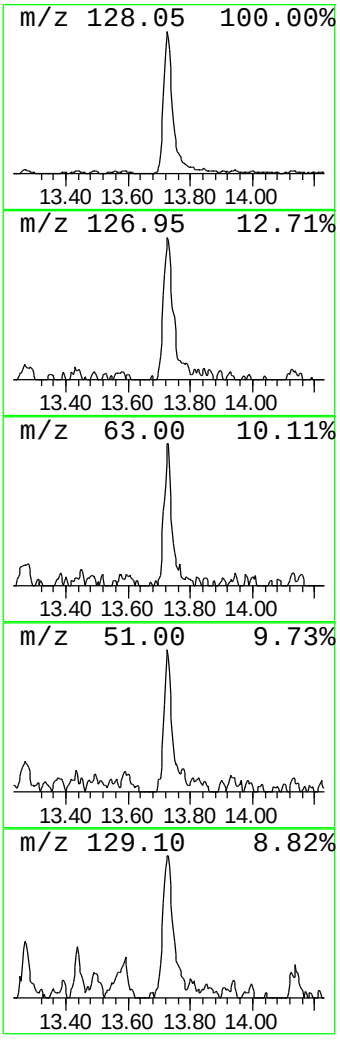
Peak Number 21 1H-Indene, 1-methylene- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	6.24 ug/L	148276	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	94
2	Azulene	128	C10H8	000275-51-4	91
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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

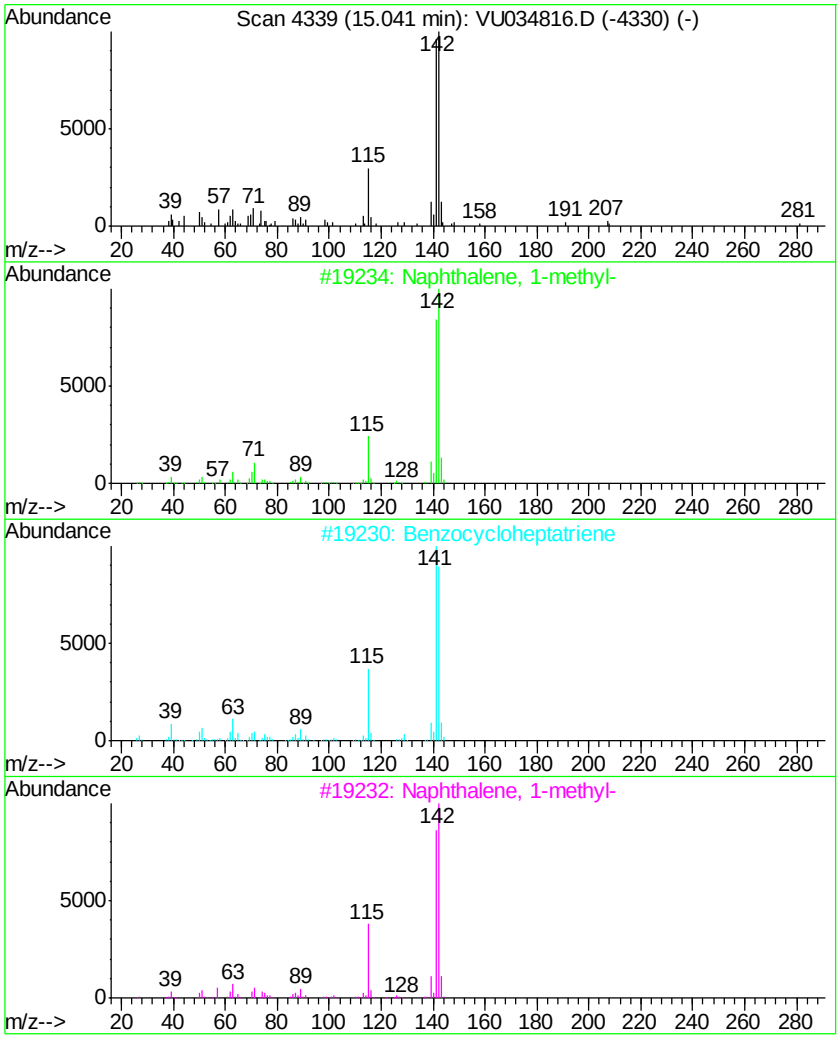
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

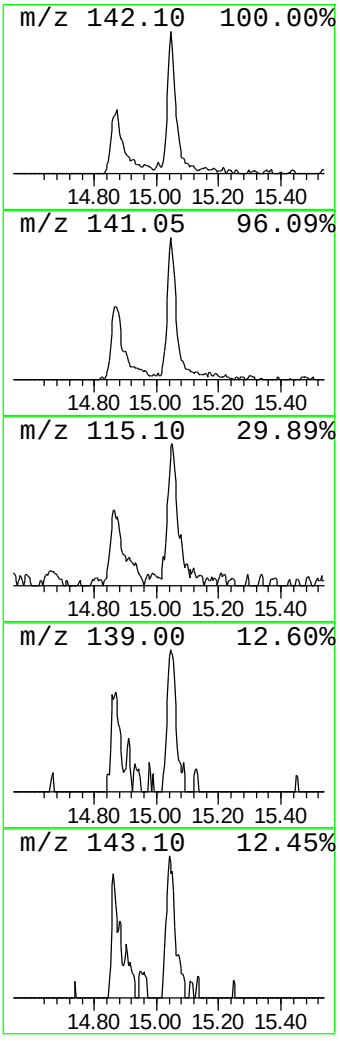
****

Peak Number 22 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.96 ug/L	70287	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034816.D
Acq On : 25 Sep 2019 20:44
Operator : JC/SP
Sample : K4983-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM1

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	7.1	ug/L	143386	1	5.86	1010340	50.0
n-Propyl acetate	6.68	117.2	ug/L	2368400	1	5.86	1010340	50.0
Propanoic acid, 2...	8.13	25.1	ug/L	659062	2	9.07	1311160	50.0
Propanoic acid, p...	8.40	30.5	ug/L	800366	2	9.07	1311160	50.0
Butanoic acid, 1-...	8.88	48.6	ug/L	1273790	2	9.07	1311160	50.0
Benzene, propyl-	10.57	2.6	ug/L	62637	3	11.46	1187360	50.0
Benzene, 1-ethyl-...	10.66	8.2	ug/L	195060	3	11.46	1187360	50.0
Benzene, 1,2,3-tr...	10.75	5.2	ug/L	122547	3	11.46	1187360	50.0
Indane	11.74	8.1	ug/L	192211	3	11.46	1187360	50.0
Benzene, 2-ethyl-...	12.13	3.0	ug/L	70702	3	11.46	1187360	50.0
Indan, 1-methyl-	12.33	4.5	ug/L	106864	3	11.46	1187360	50.0
Benzene, 1-ethyl-...	12.63	2.8	ug/L	66982	3	11.46	1187360	50.0
Benzene, 1,2,3,4-...	12.68	4.9	ug/L	116861	3	11.46	1187360	50.0
Benzene, (1-methy...	12.95	2.6	ug/L	62193	3	11.46	1187360	50.0
3-Phenylbut-1-ene	13.10	8.0	ug/L	188715	3	11.46	1187360	50.0
1H-Indene, 1-meth...	13.73	6.2	ug/L	148276	3	11.46	1187360	50.0
Naphthalene, 1-me...	15.04	3.0	ug/L	70287	3	11.46	1187360	50.0