LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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	37	rBV5	12124	14751	0.40%	0.045%
2	1.392	85	94	104	rBV	367332	402232	11.03%	1.219%
3	1.466	110	117	125	rBV	111997	122096	3.35%	0.370%
4	1.540	134	140	147	rVB2	29031	36908	1.01%	0.112%
5	1.672	173	181	196	rVB	287309	360866	9.89%	1.093%
6	1.749	200	205	212	rVB	18461	22336	0.61%	0.068%
7	2.257	352	363	372	rBV	499463	763066	20.92%	2.312%
8	2.305	372	378	395	rVB	144696	232524	6.38%	0.705%
9	2.431	411	417	421	rBV6	4387	6227	0.17%	0.019%
10	2.460	422	426	436	rVB2	10751	17062	0.47%	0.052%
11	2.611	464	473	479	rBV	9923	17395	0.48%	0.053%
12	2.685	485	496	505	rBV4	17717	36896	1.01%	0.112%
13	2.775	516	524	527	rBV8	4824	6287	0.17%	0.019%
14	2.971	577	585	586	rVV7	6217	6130	0.17%	0.019%
15	2.981	586	588	596	rVB6	8102	8447	0.23%	0.026%
16	3.164	633	645	658	rBV4	25540	57609	1.58%	0.175%
17	3.543	750	763	776	rBV4	7210	17825	0.49%	0.054%
18	3.974	885	897	908	rBV8	9888	23940	0.66%	0.073%
19	4.067	914	926	940	rBV4	14426	33115	0.91%	0.100%
20	4.151	940	952	974	rBV	217837	576114	15.80%	1.746%
21	4.241	976	980	995	rVB2	24950	55122	1.51%	0.167%
22	4.366	1010	1019	1034	rVB2	16887	36949	1.01%	0.112%
23	4.624	1081	1099	1119	rBV	374215	898619	24.64%	2.723%
24	4.971	1192	1207	1221	rVB7	16161	40968	1.12%	0.124%
25	5.318	1290	1315	1346	rBV2	775449	2422511	66.42%	7.340%
26	5.530	1370	1381	1403	rVB	92377	201273	5.52%	0.610%
27	5.865	1471	1485	1506	rBV	626740	1264915	34.68%	3.833%
28	6.308	1608	1623	1640	rBV	542035	1087967	29.83%	3.296%
29	6.398	1647	1651	1663	rVB4	22424	37775	1.04%	0.114%
30	6.514	1680	1687	1694	rBV4	14343	24114	0.66%	0.073%
31	6.566	1695	1703	1706	rBV	11280	17209	0.47%	0.052%
32	6.685	1727	1740	1773	rBV	1978997	3647000	100.00%	11.050%
33	7.041	1843	1851	1863	rVB5	9834	19917	0.55%	0.060%
34	7.205	1890	1902	1923	rBV	315597	595175	16.32%	1.803%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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	7.398	1951	1962	1974	rBV	239252	425974	11.68%	1.291%
36	7.543	1989	2007	2025	rBV	1049200	1889385	51.81%	5.725%
37	7.688	2046	2052	2060	rVB10	3572	6210	0.17%	0.019%
38	7.829	2083	2096	2115	rBV3	283564	532002	14.59%	1.612%
39	8.135	2179	2191	2207	rBV	379358	631465	17.31%	1.913%
40	8.212	2207	2215	2217	rBV2	23176	26702	0.73%	0.081%
41	8.241	2218	2224	2230	rVV3	37092	50535	1.39%	0.153%
42	8.289	2230	2239	2262	rVV	830238	1446827	39.67%	4.384%
43	8.395	2262	2272	2285	rBV	643766	992917	27.23%	3.008%
44	8.511	2301	2308	2318	rVB2	31101	51747	1.42%	0.157%
45	8.884	2412	2424	2451	rBV	751982	1225660	33.61%	3.714%
46	9.067	2460	2481	2510	rBV2	974345	2358333	64.67%	7.146%
47	9.231	2523	2532	2544	rVB2	42141	67624	1.85%	0.205%
48	9.353	2553	2570	2586	rBV2	92853	169955	4.66%	0.515%
49	9.588	2633	2643	2653	rBV2	17046	26890	0.74%	0.081%
50	9.752	2684	2694	2716	rVB5	109266	215640	5.91%	0.653%
51	9.926	2737	2748	2756	rBV8	7994	18724	0.51%	0.057%
52	10.019	2768	2777	2790	rVV8	12764	26744	0.73%	0.081%
53	10.144	2806	2816	2830	rBV2	58076	93393	2.56%	0.283%
54	10.408	2886	2898	2917	rBV	678536	1122119	30.77%	3.400%
55	10.565	2935	2947	2962	rBV	113405	182252	5.00%	0.552%
56	10.659	2966	2976	2981	rBV2	64993	105607	2.90%	0.320%
57	10.749	2995	3004	3014	rVB	75284	113766	3.12%	0.345%
58	10.948	3057	3066	3084	rVB	103814	171037	4.69%	0.518%
59	11.045	3085	3096	3104	rBV	20438	40725	1.12%	0.123%
60	11.125	3110	3121	3137	rBV	434602	683693	18.75%	2.072%
61	11.270	3157	3166	3170	rBV3	9126	14159	0.39%	0.043%
62	11.302	3170	3176	3189	rVB2	15788	24991	0.69%	0.076%
63	11.401	3192	3207	3214	rBV5	28807	56316	1.54%	0.171%
64	11.459	3214	3225	3242	rVV	895498	1504078	41.24%	4.557%
65	11.546	3242	3252	3266	rVB	237796	385845	10.58%	1.169%
66	11.665	3283	3289	3297	rVB6	7376	8862	0.24%	0.027%
67	11.742	3301	3313	3324	rBV	331575	579223	15.88%	1.755%
68	11.835	3331	3342	3370	rVB	1001878	1809518	49.62%	5.483%
69	11.958	3372	3380	3389	rVV6	15322	24311	0.67%	0.074%
70	12.035	3396	3404	3412	rVB2	30852	45650	1.25%	0.138%
71	12.125	3421	3432	3437	rBV2	54900	93913	2.58%	0.285%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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	12.231	3451	3465	3472	rBV	119574	200008	5.48%	0.606%
73	12.331	3486	3496	3518	rBV2	103082	209404	5.74%	0.634%
74	12.530	3548	3558	3568	rVB3	32056	54810	1.50%	0.166%
75	12.630	3575	3589	3597	rBV	89074	143826	3.94%	0.436%
76	12.681	3597	3605	3618	rVB	102010	159603	4.38%	0.484%
77	12.768	3626	3632	3637	rBV6	9605	12114	0.33%	0.037%
78	12.874	3656	3665	3672	rBV6	10416	19382	0.53%	0.059%
79	12.945	3678	3687	3702	rVB	92895	147702	4.05%	0.448%
80	13.099	3716	3735	3751	rBV3	245979	445363	12.21%	1.349%
81	13.167	3752	3756	3766	rVV6	17781	26668	0.73%	0.081%
82	13.215	3766	3771	3778	rVV4	7287	11712	0.32%	0.035%
83	13.273	3780	3789	3800	rVB5	37585	69136	1.90%	0.209%
84	13.385	3814	3824	3830	rBV8	14089	21716	0.60%	0.066%
85	13.437	3832	3840	3847	rVV3	23542	36100	0.99%	0.109%
86	13.488	3848	3856	3872	rVV5	38804	75367	2.07%	0.228%
87	13.559	3872	3878	3882	rBV2	8385	11209	0.31%	0.034%
88	13.588	3882	3887	3894	rVB3	16926	21942	0.60%	0.066%
89	13.723	3918	3929	3953	rBV2	132976	274263	7.52%	0.831%
90	13.826	3953	3961	3977	rVB2	17512	37418	1.03%	0.113%
91	13.922	3979	3991	4005	rBV2	26198	68118	1.87%	0.206%
92	14.131	4047	4056	4069	rBV2	24996	47485	1.30%	0.144%
93	14.314	4104	4113	4126	rBV4	24343	58310	1.60%	0.177%
94	14.453	4149	4156	4167	rVV8	12466	22172	0.61%	0.067%
95	14.520	4168	4177	4186	rVB7	18496	30466	0.84%	0.092%
96	14.655	4215	4219	4226	rVB7	6249	8219	0.23%	0.025%
97	14.803	4256	4265	4271	rBV5	8224	12511	0.34%	0.038%
98	14.858	4271	4282	4299	rBV	94748	185584	5.09%	0.562%
99	15.044	4329	4340	4355	rBV	131953	239614	6.57%	0.726%
100	16.048	4643	4652	4661	rBV10	10723	19900	0.55%	0.060%

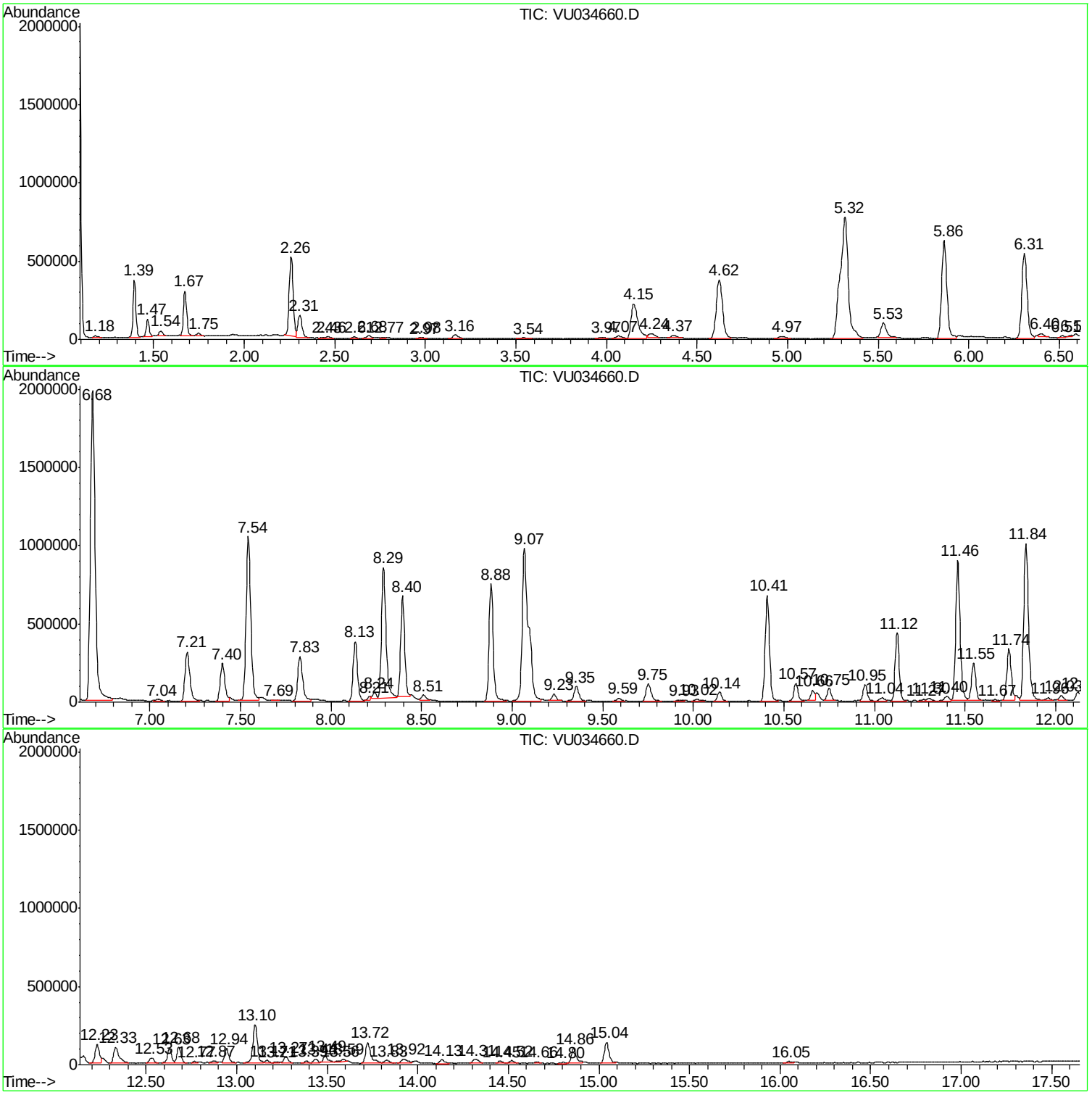
Sum of corrected areas: 33004254

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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 : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

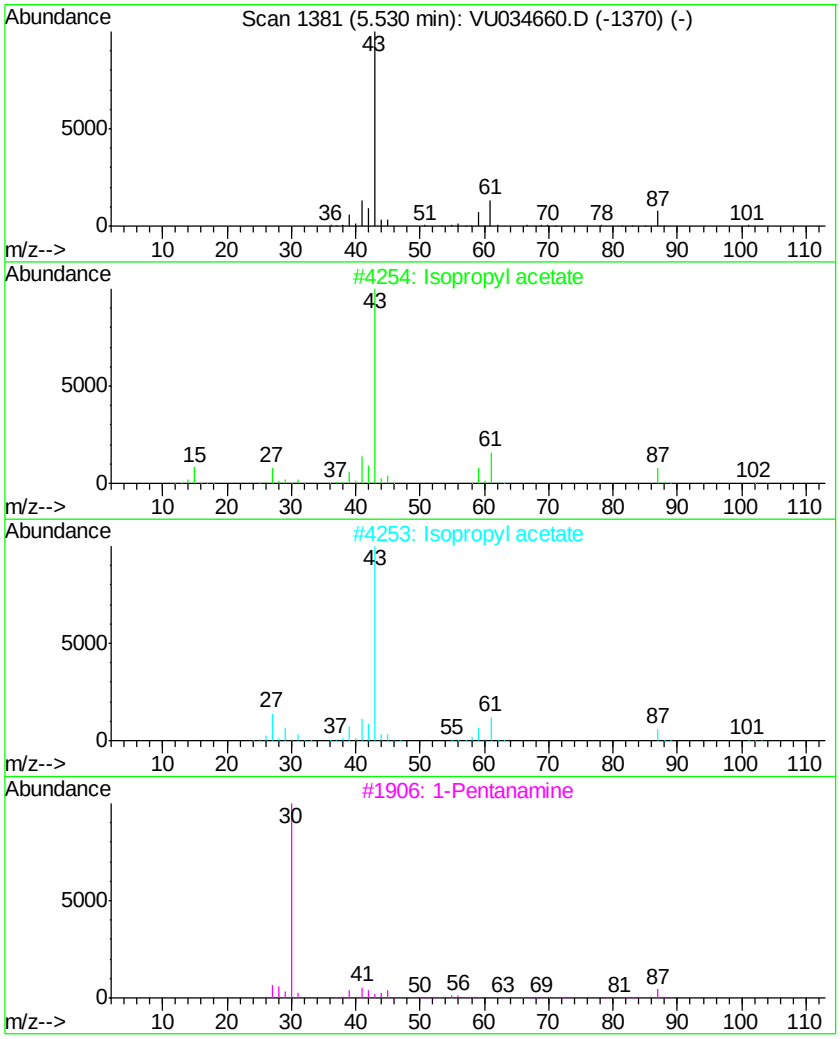
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

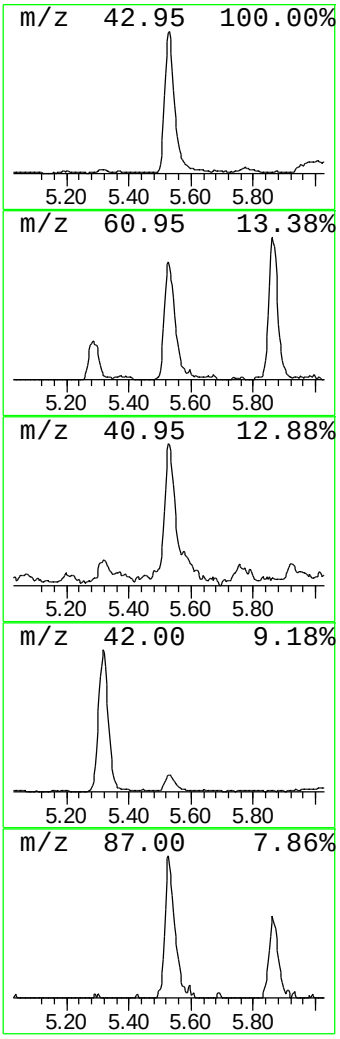
****

Peak Number 2 Isopropyl acetate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.96 ug/L	201273	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	56
3	1-Pentanamine	87	C5H13N	000110-58-7	9
4	Isopropyl acetate	102	C5H10O2	000108-21-4	9
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

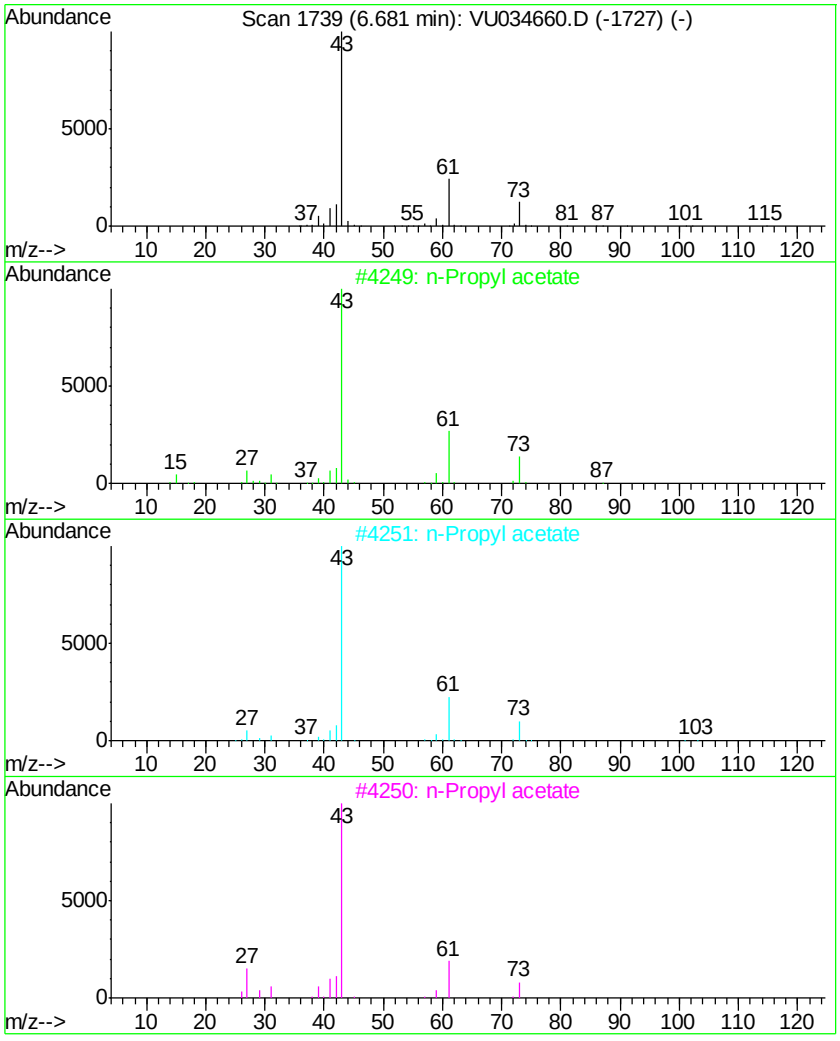
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

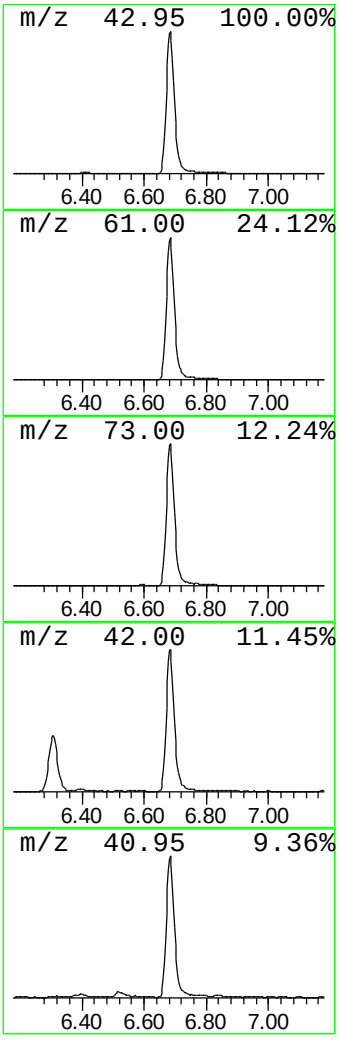
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	144.16 ug/L	3647000	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	Isobutylamine	73	C4H11N	000078-81-9	7
5	1-Butanamine	73	C4H11N	000109-73-9	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

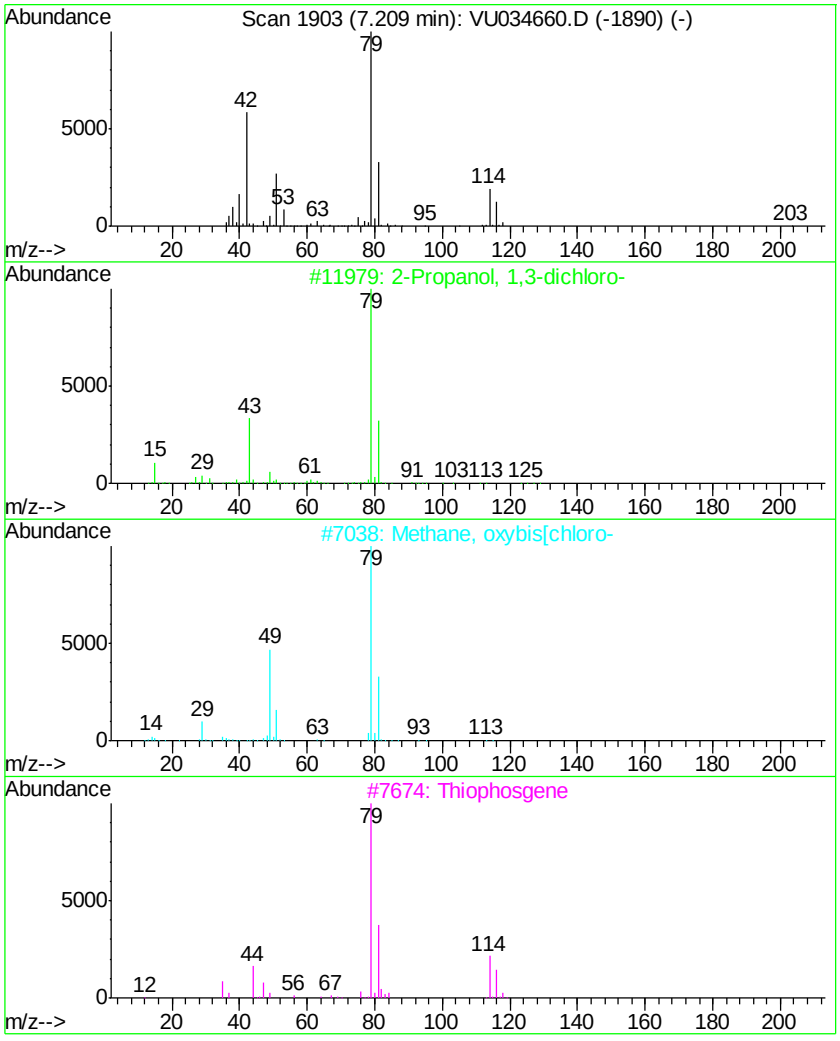
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

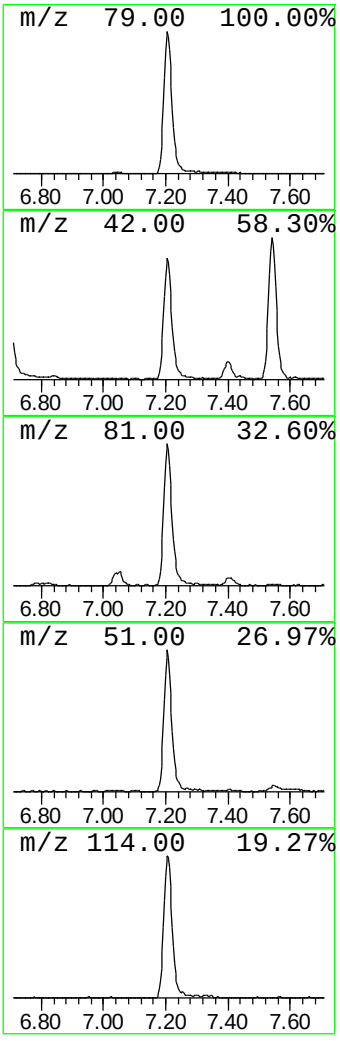
****

Peak Number 4 unknown-01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	23.53 ug/L	595175	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	23
3	Thiophosgene	114	CCl2S	000463-71-8	22
4	Cyclopropane	42	C3H6	000075-19-4	10
5	2-Oxetanone, 4-methylene-	84	C4H4O2	000674-82-8	10





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

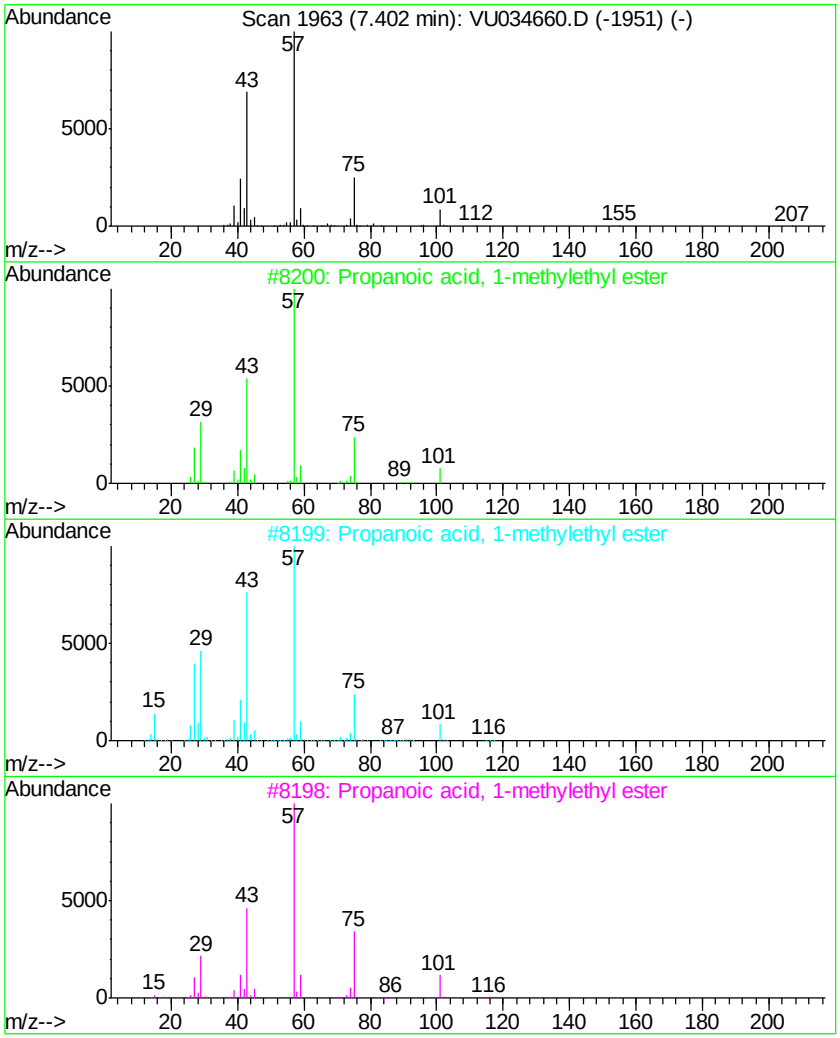
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

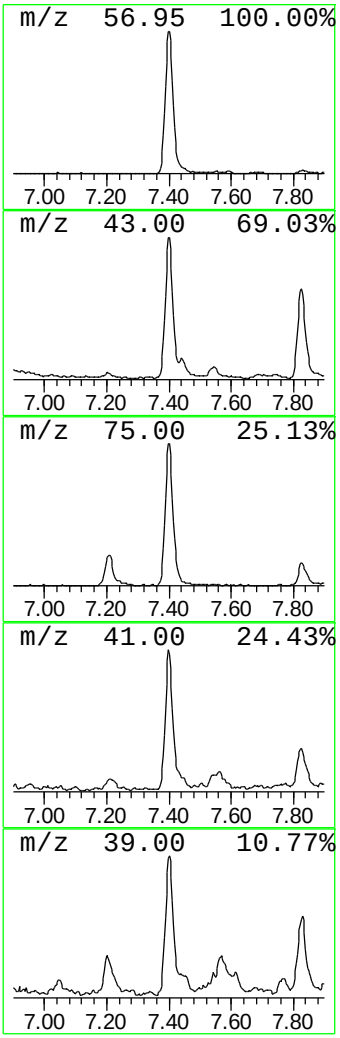
****

Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	16.84 ug/L	425974	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	83
2	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	64
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

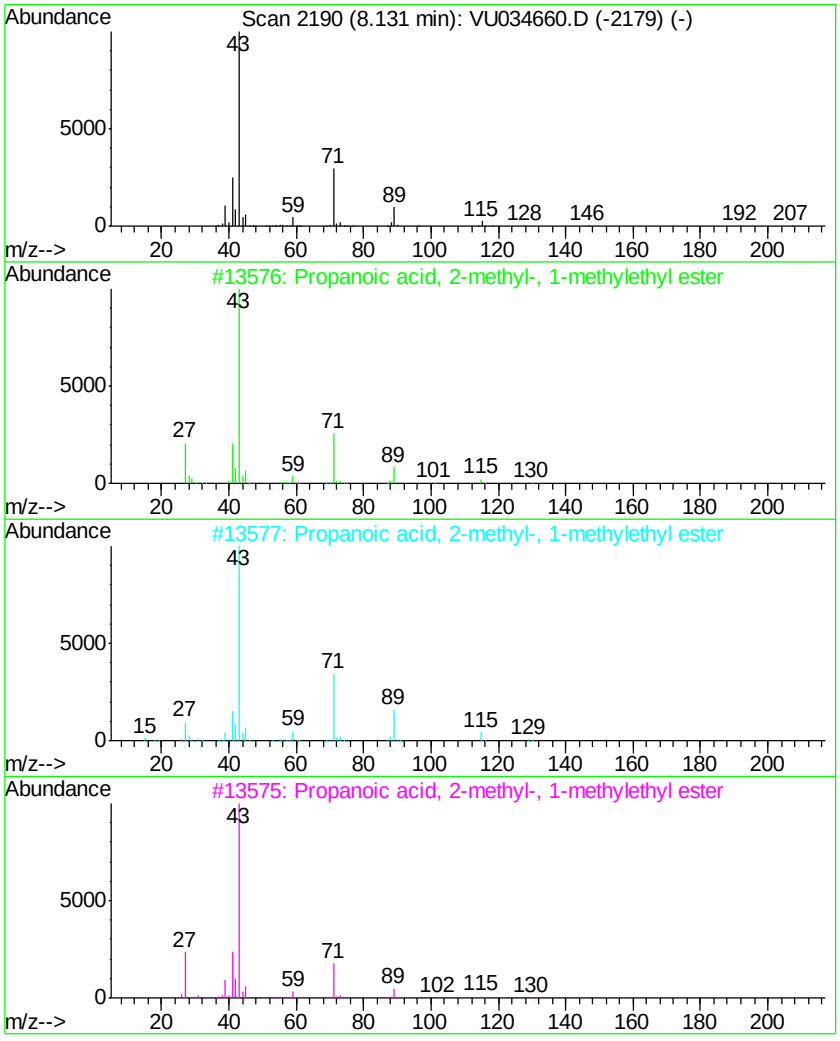
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

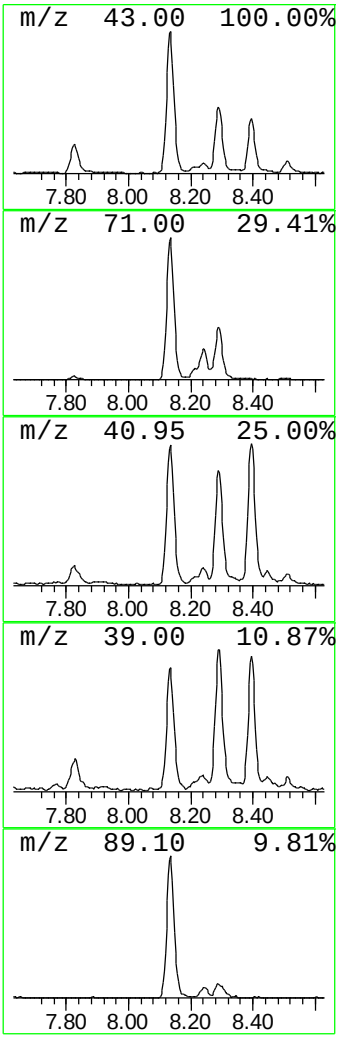
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	13.39 ug/L	631465	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	38
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

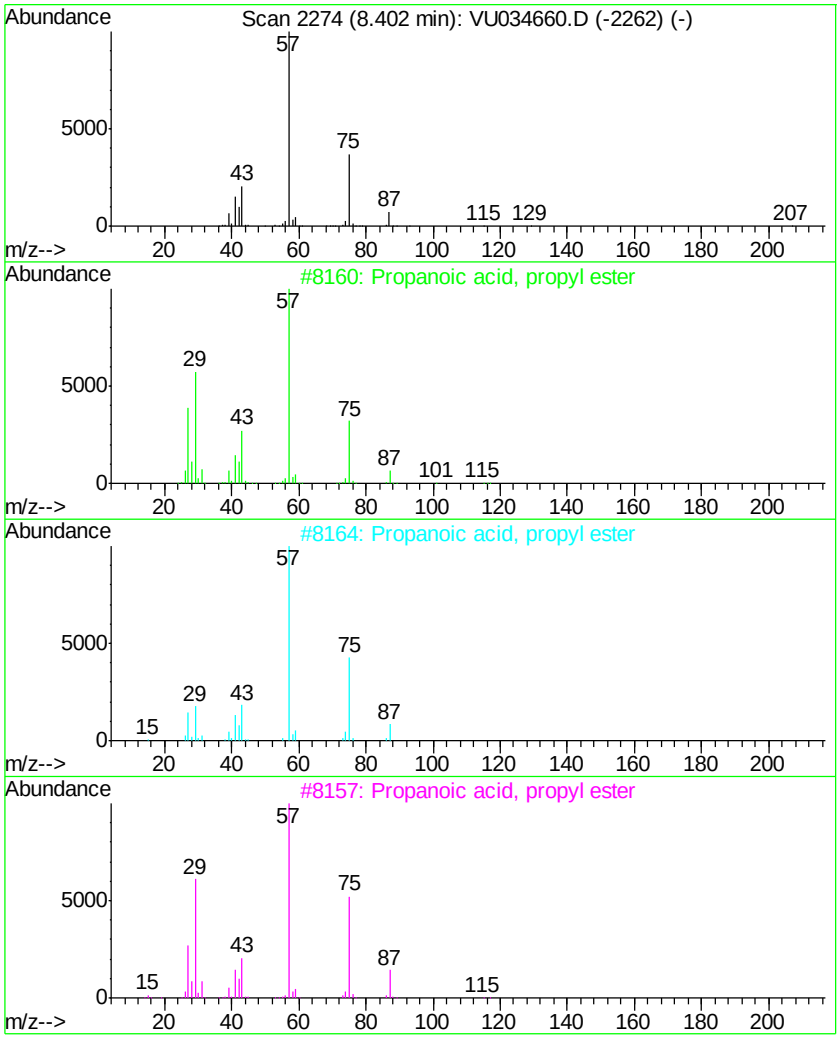
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

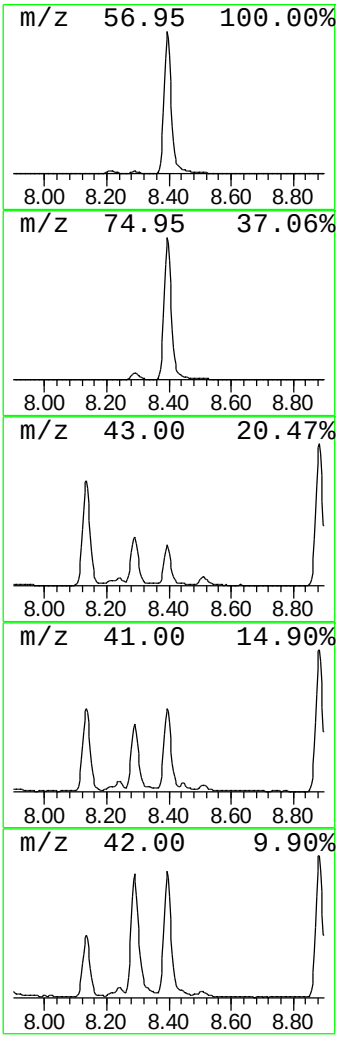
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	21.05 ug/L	992917	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	78
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 : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

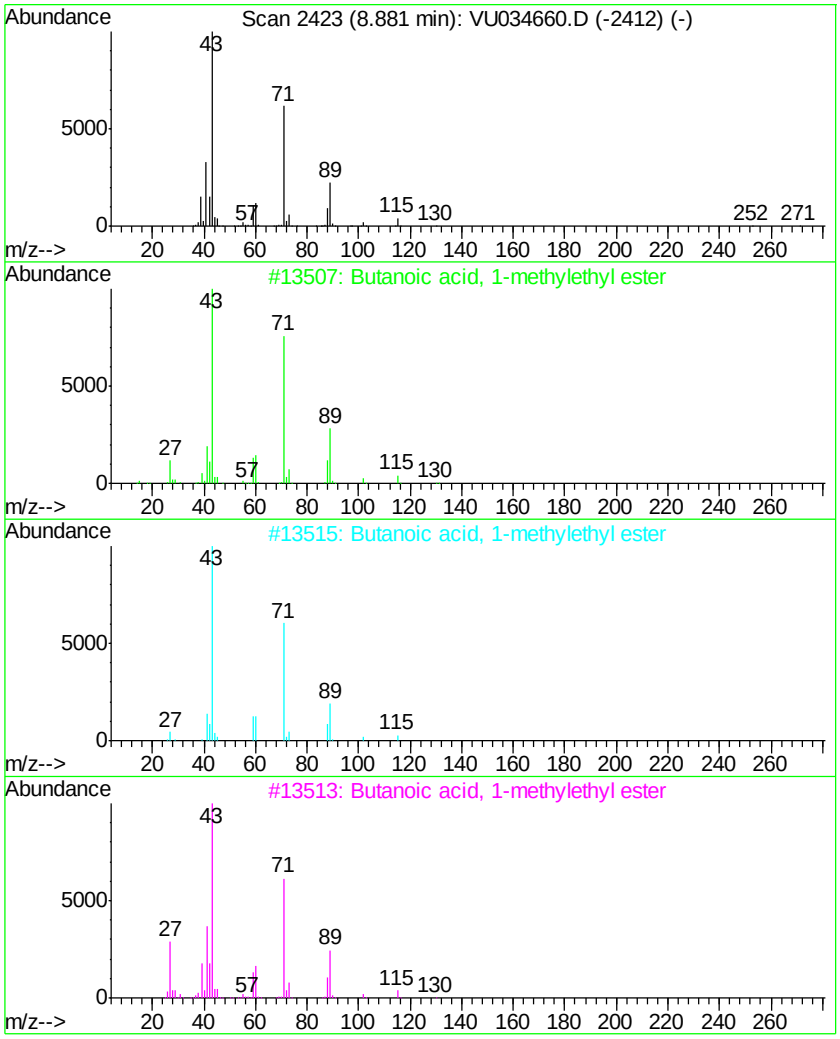
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

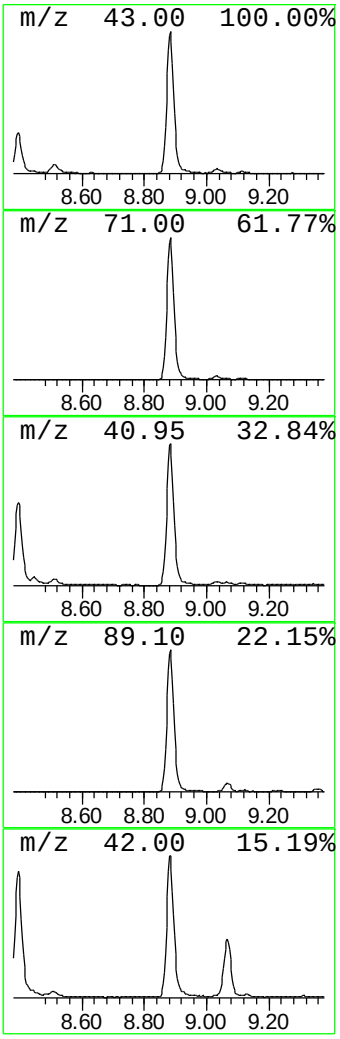
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	25.99 ug/L	1225660	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	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





Library Search Compound Report

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Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

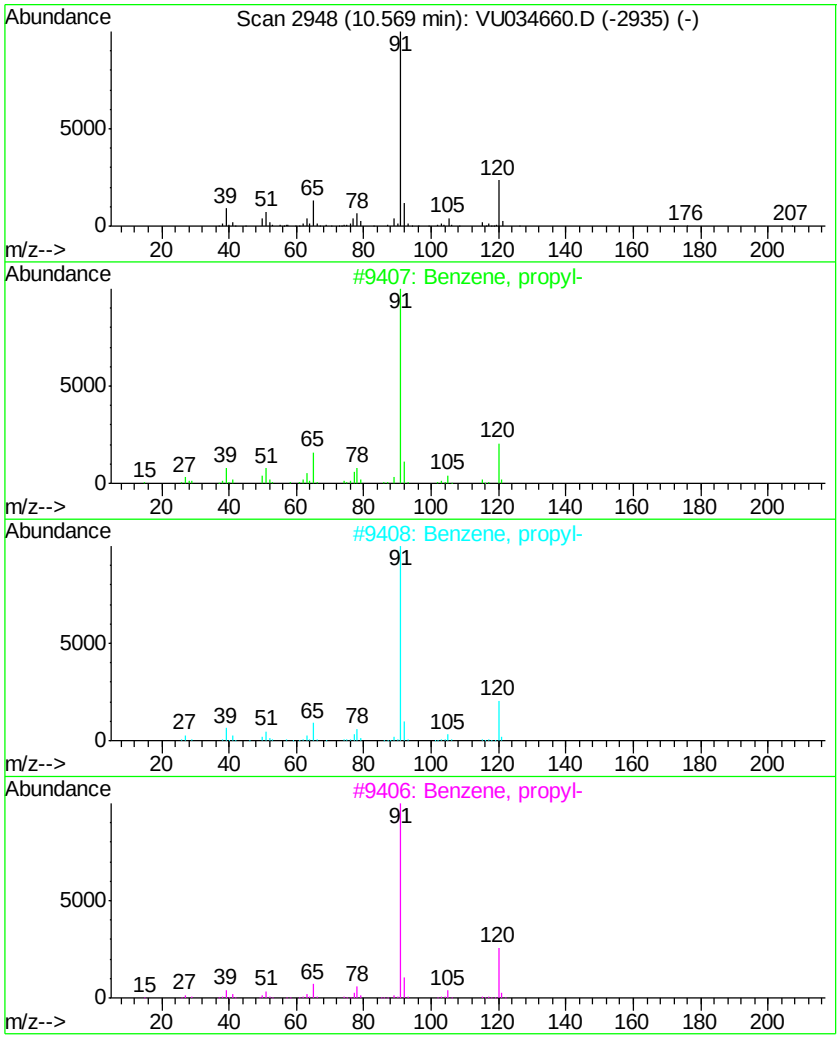
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

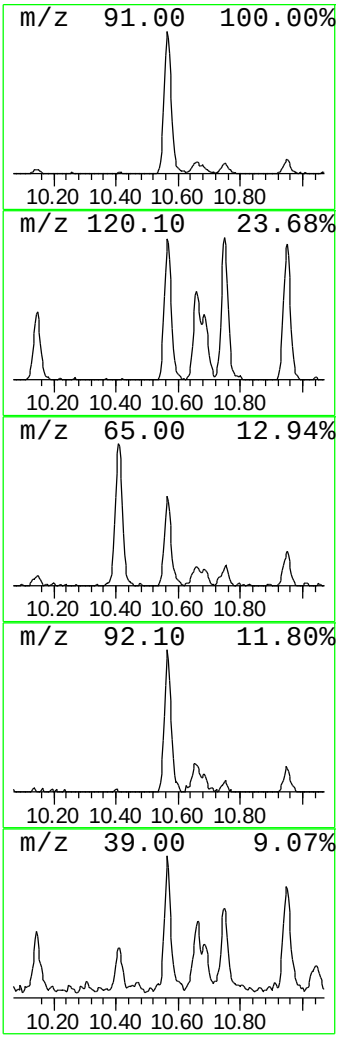
****

Peak Number 9 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.06 ug/L	182252	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	80
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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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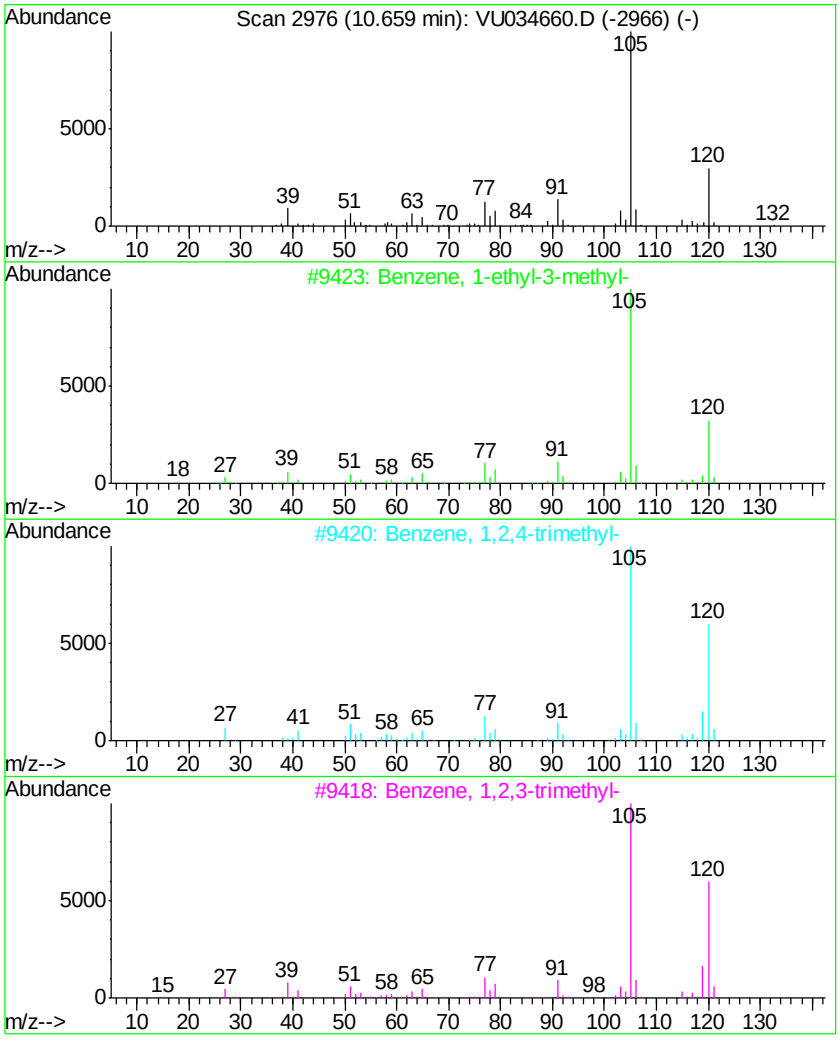
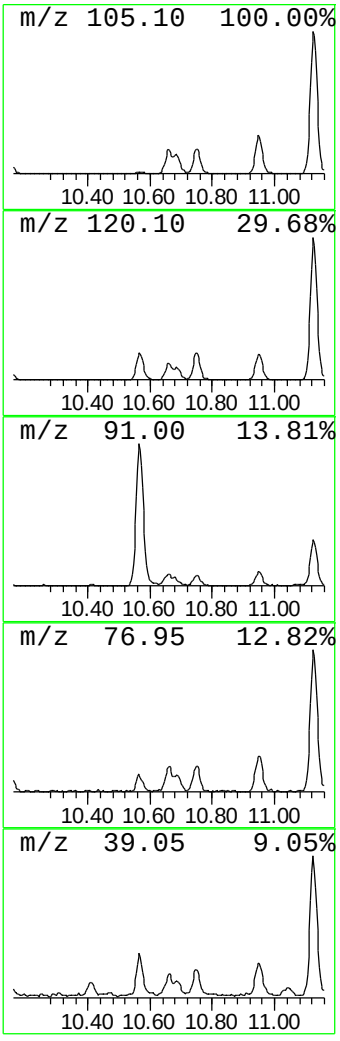
Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	3.51 ug/L	105607	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90





Library Search Compound Report

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Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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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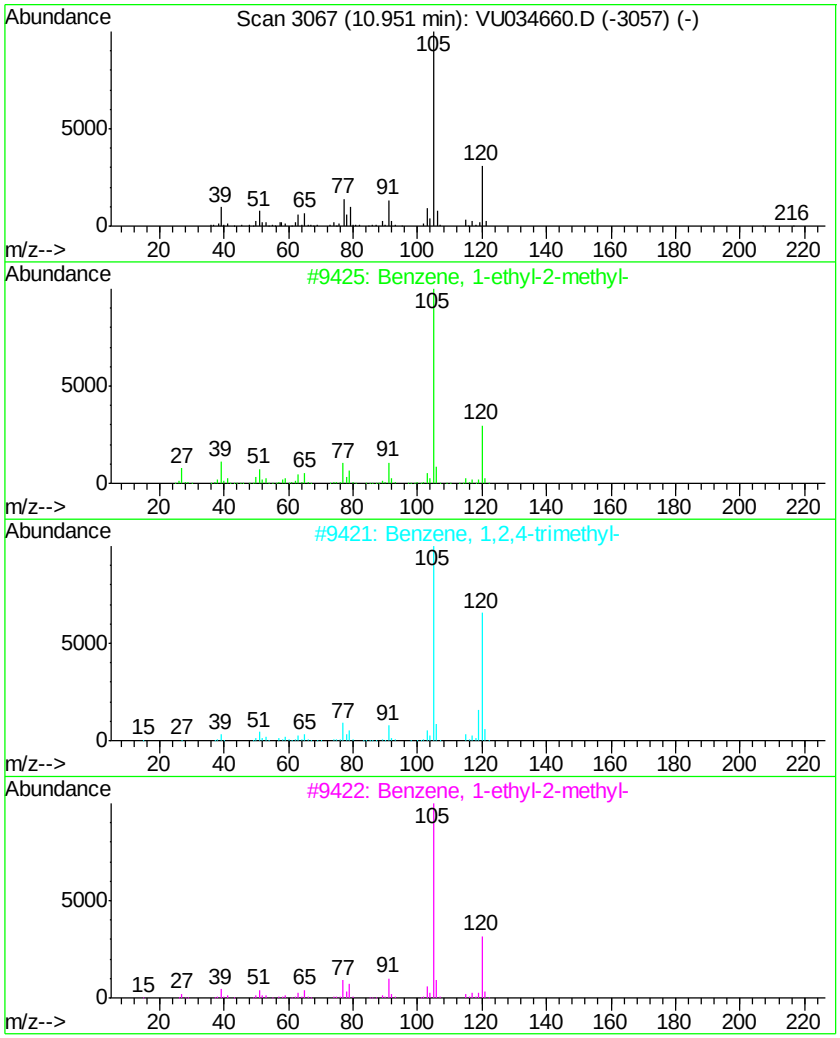
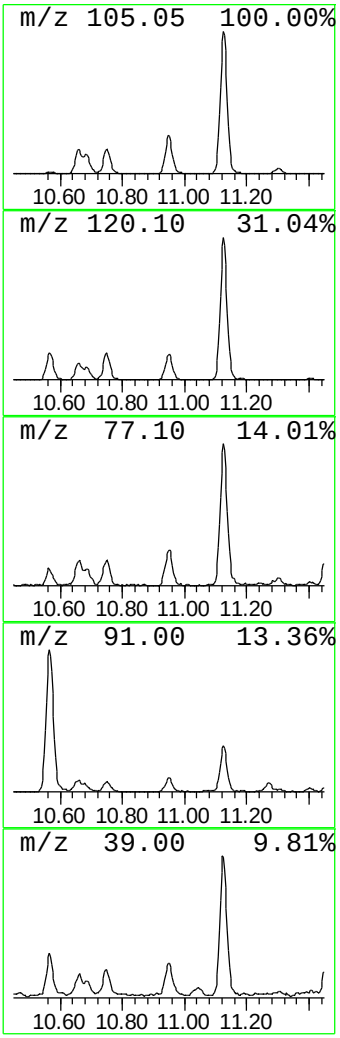
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	5.69 ug/L	171037	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

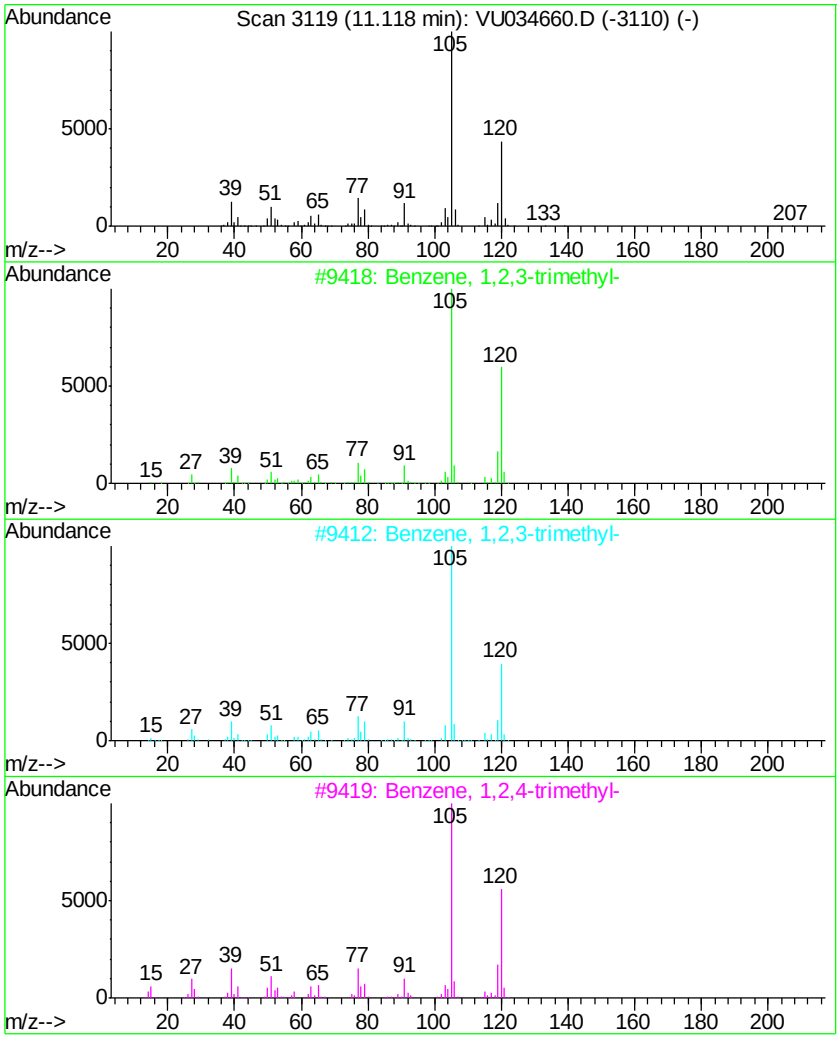
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

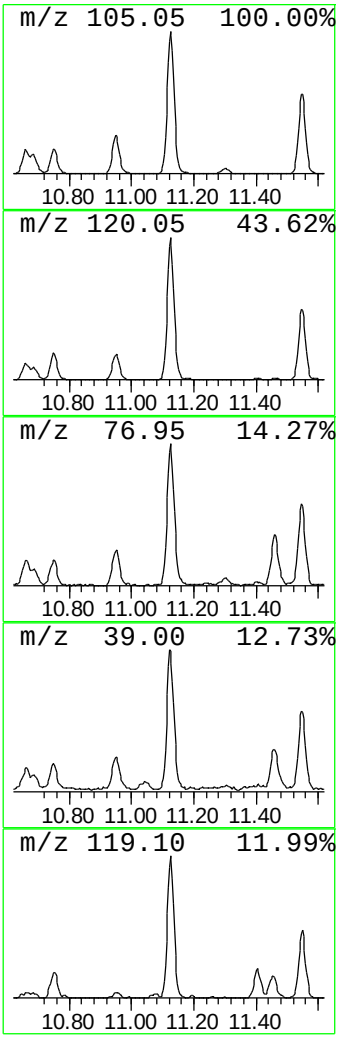
****

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	22.73 ug/L	683693	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	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	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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Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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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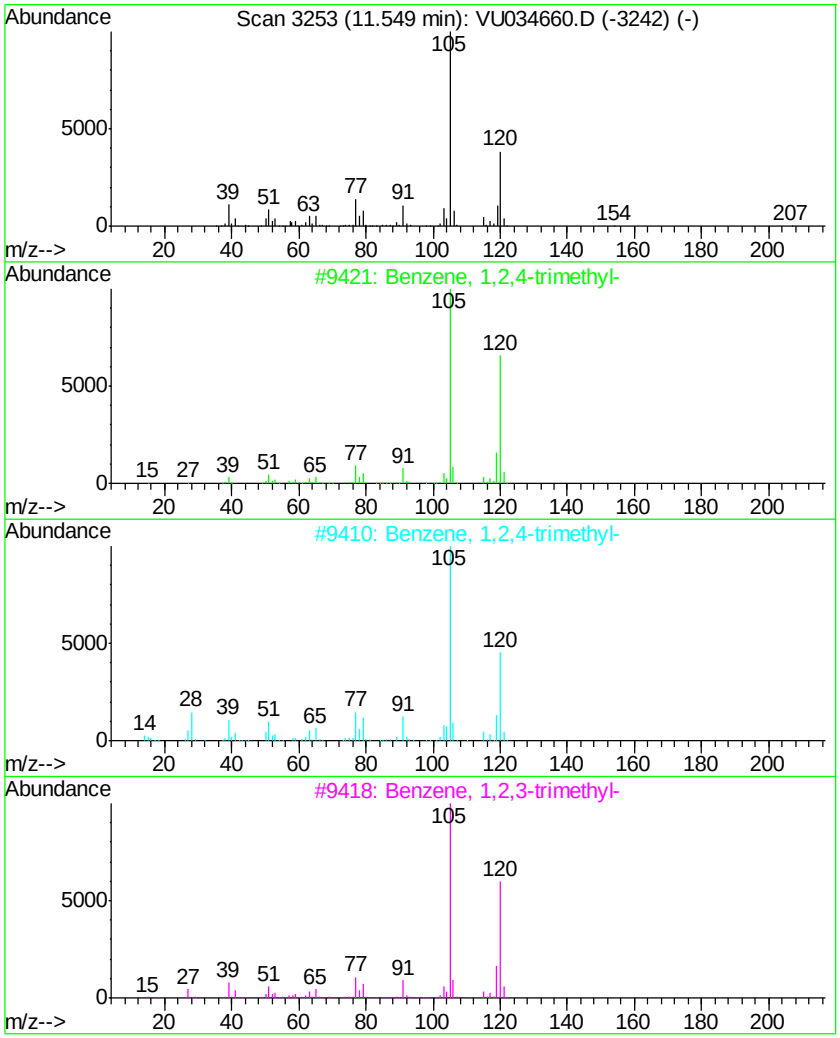
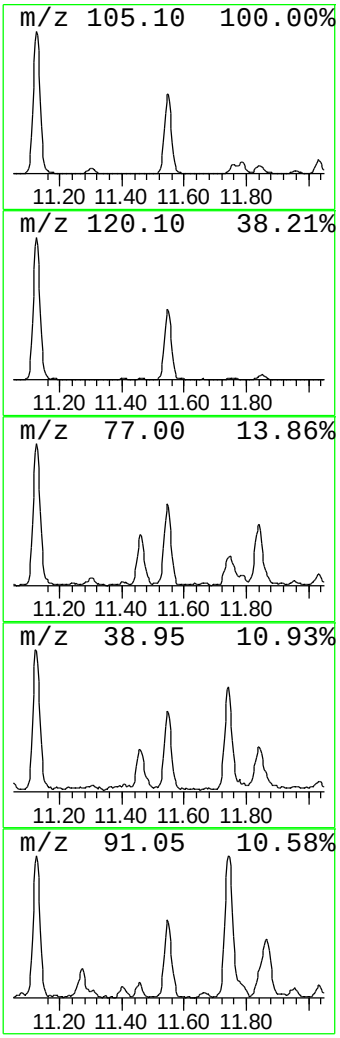
Peak Number 14 Benzene, 1,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	12.83 ug/L	385845	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	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





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Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

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

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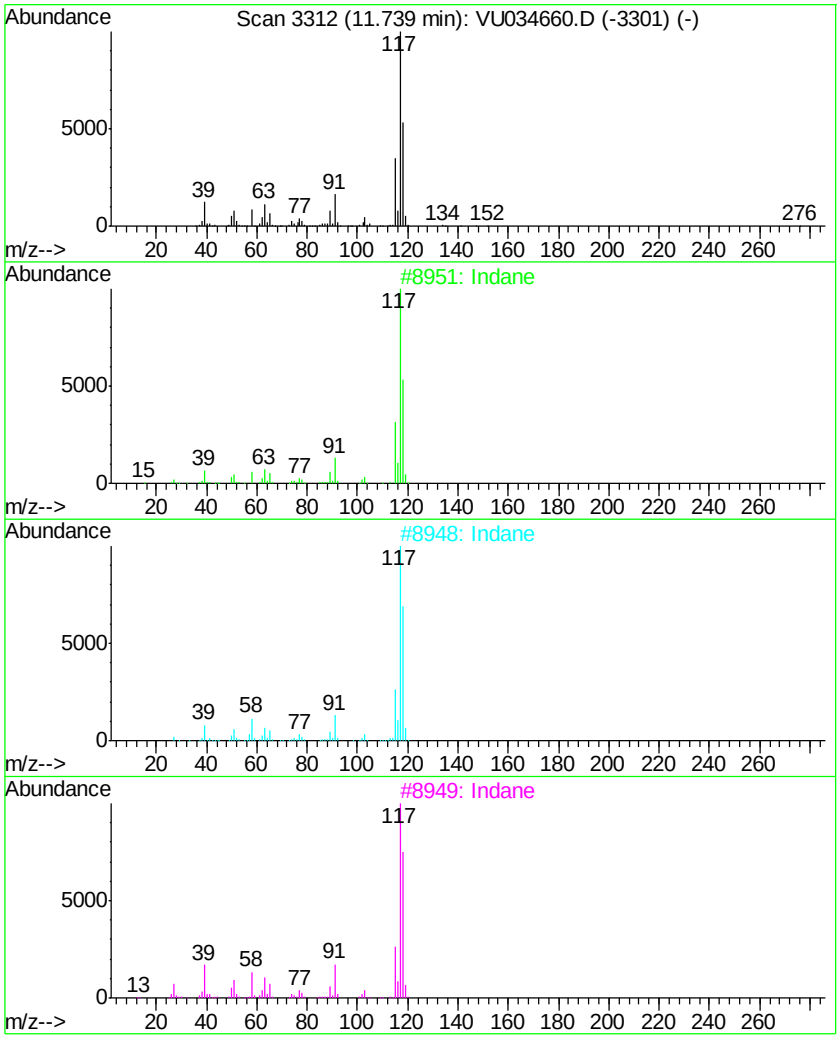
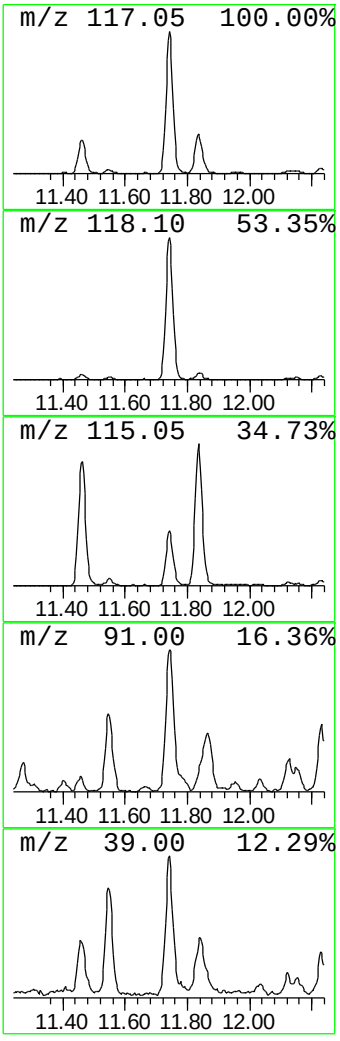
Peak Number 15 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	19.26 ug/L	579223	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	91
4	Indane	118	C9H10	000496-11-7	90
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87





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Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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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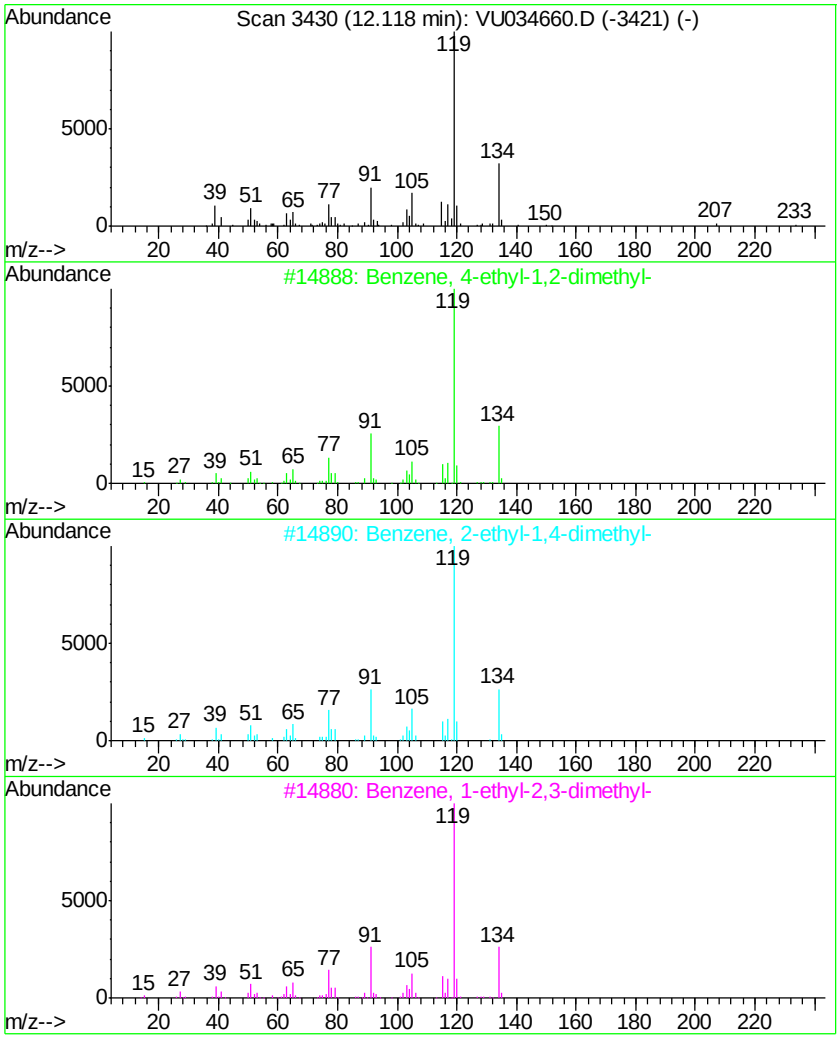
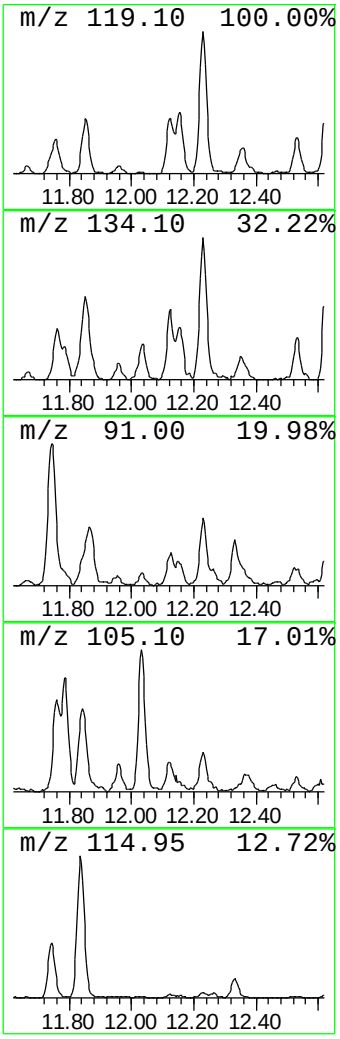
Peak Number 16 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.12 ug/L	93913	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	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





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Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

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

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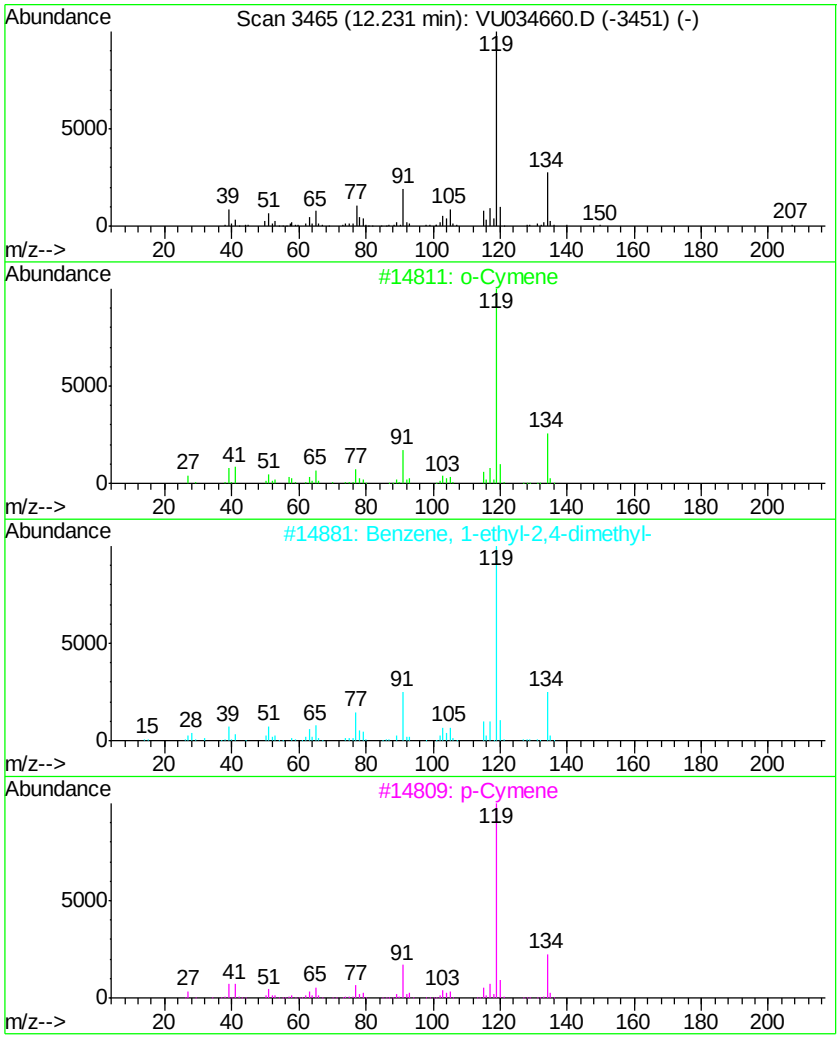
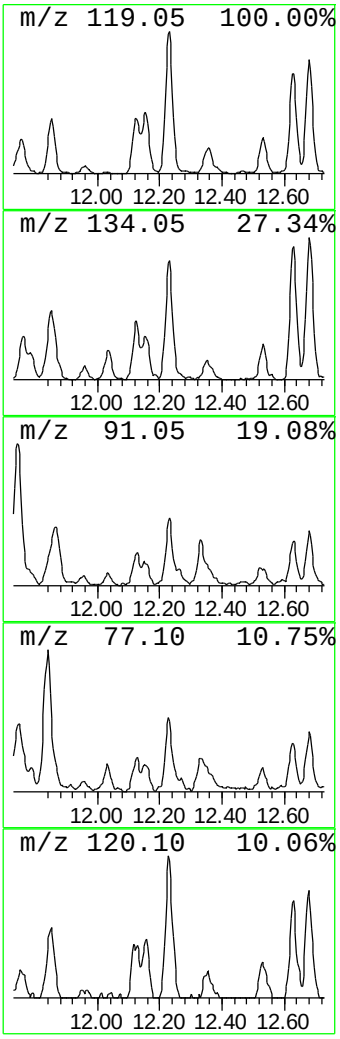
Peak Number 17 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	6.65 ug/L	200008	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96





Library Search Compound Report

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Data File : VU034660.D
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Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

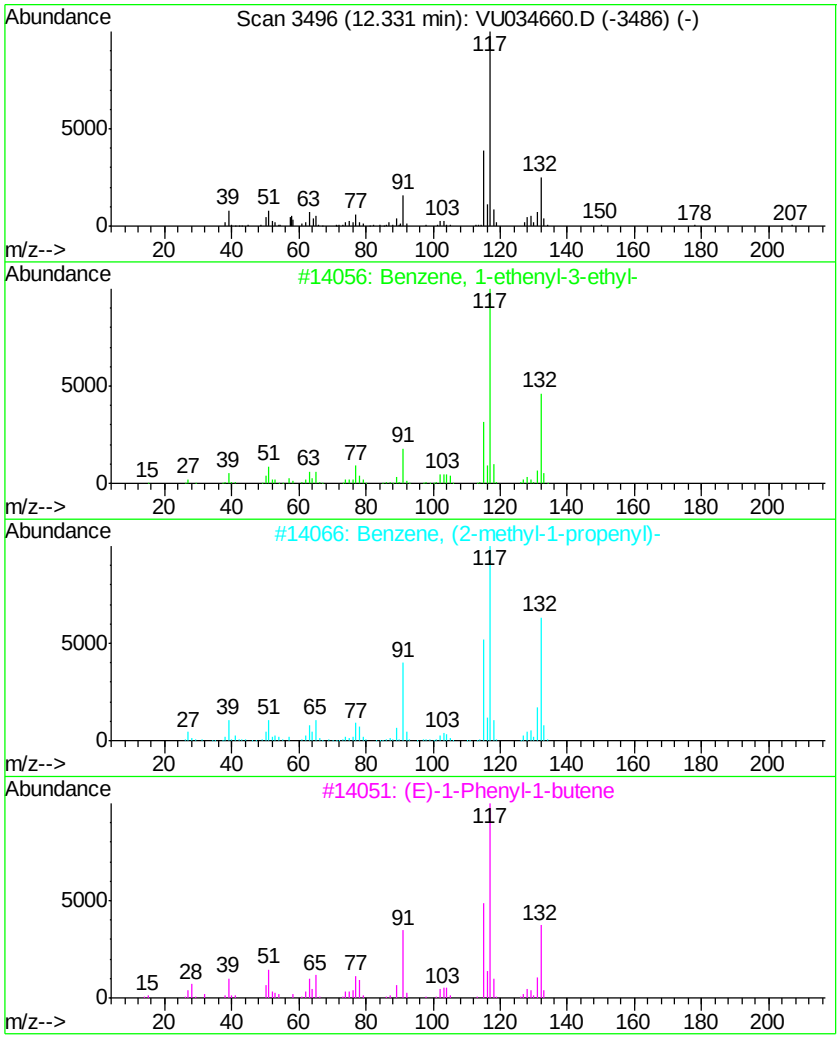
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

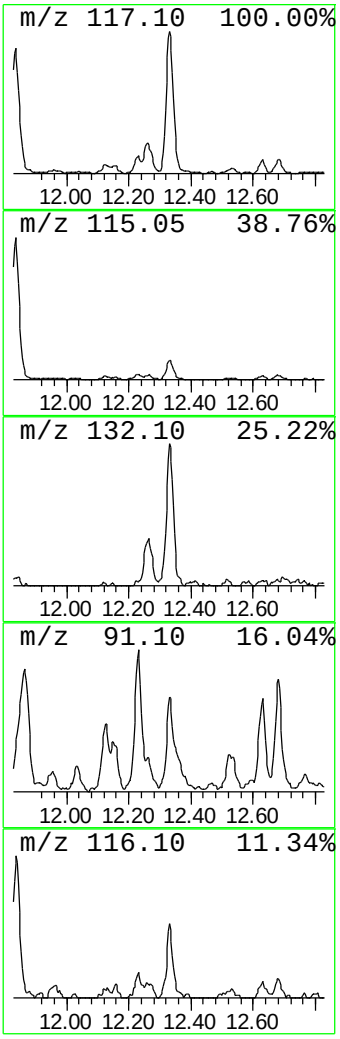
****

Peak Number 18 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	6.96 ug/L	209404	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034660.D
Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

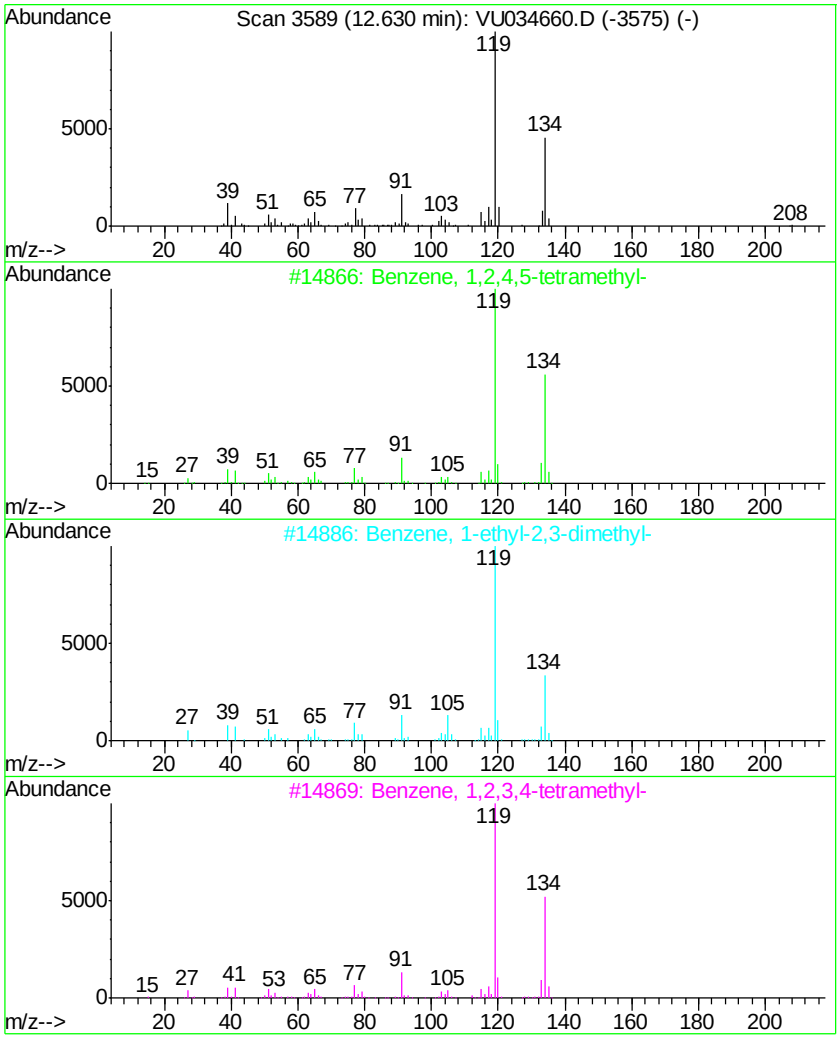
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

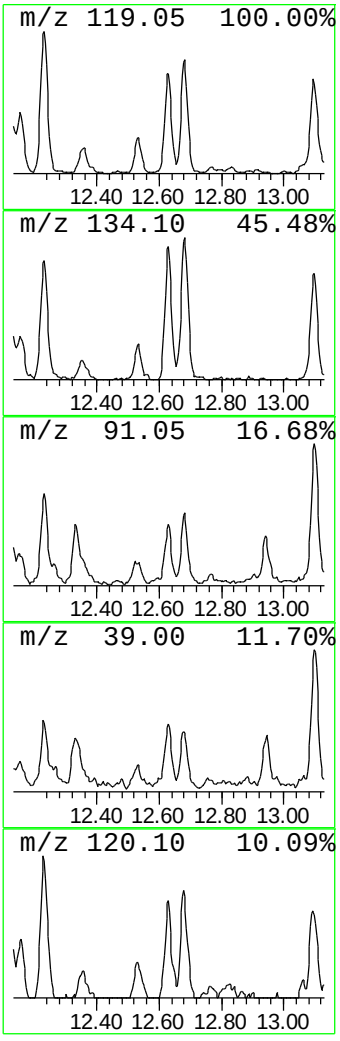
****

Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.78 ug/L	143826	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	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





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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

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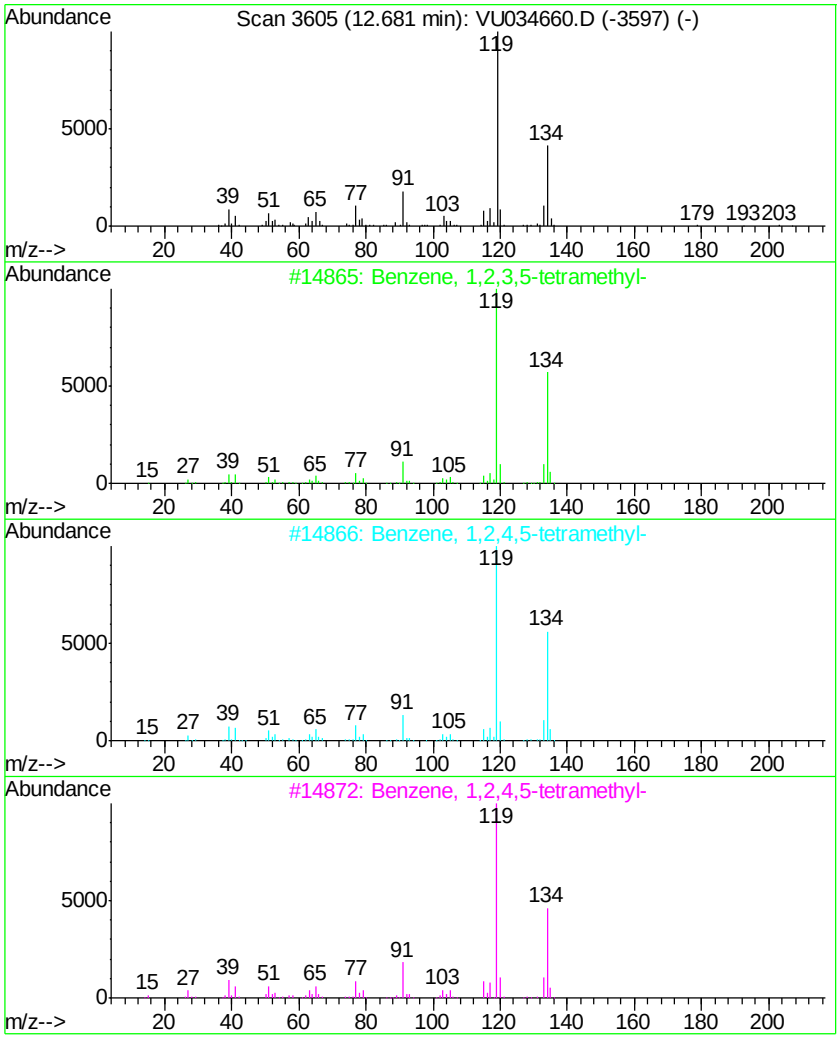
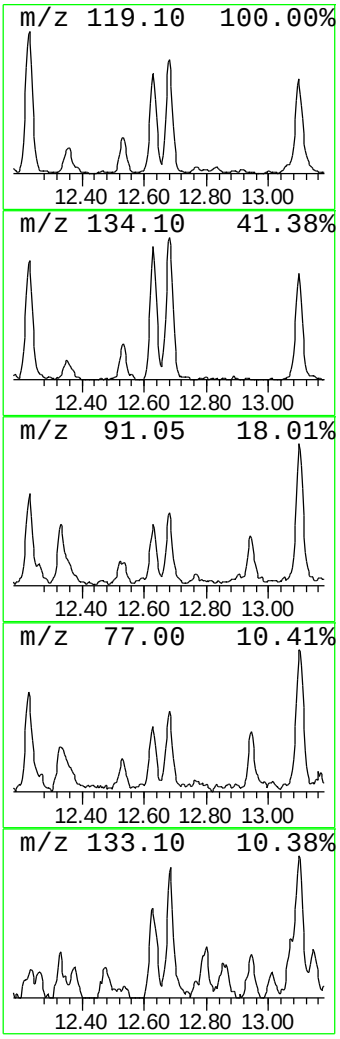
Peak Number 20 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	5.31 ug/L	159603	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	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

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

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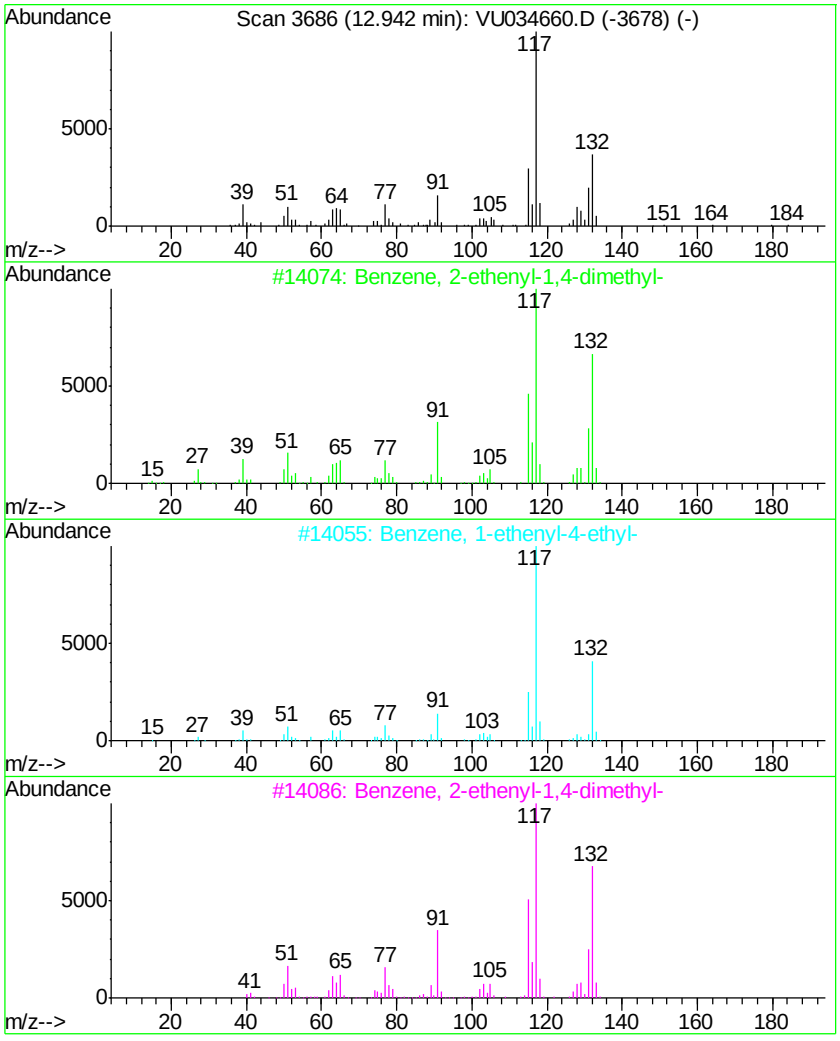
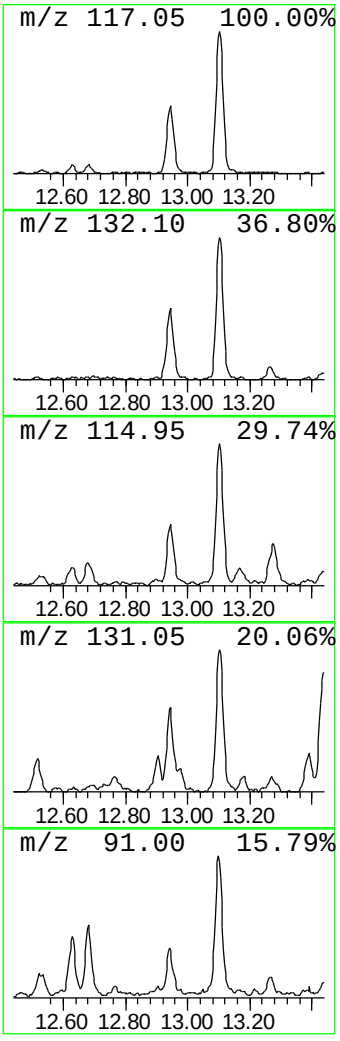
Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	4.91 ug/L	147702	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	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





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ClientSampleId : BFDF9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
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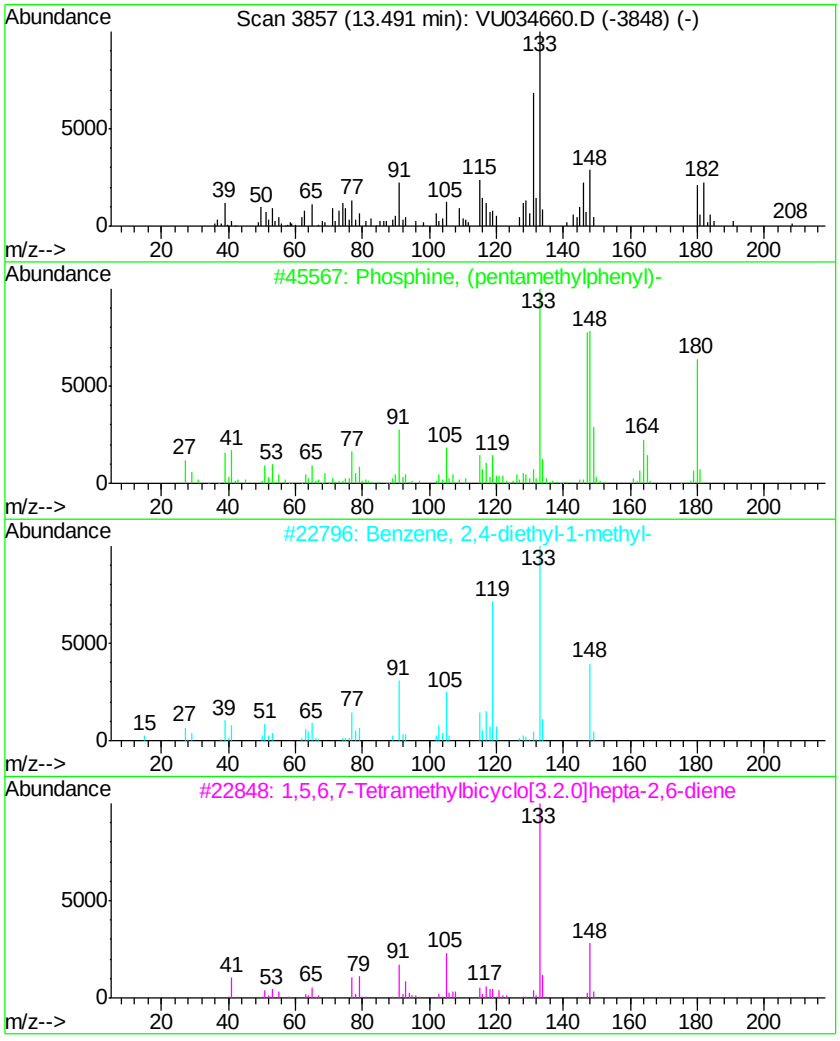
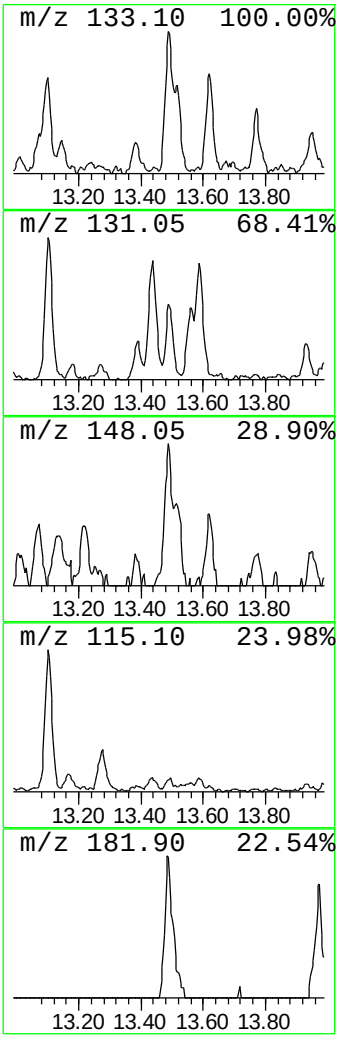
Peak Number 23 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.51 ug/L	75367	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphine, (pentamethylphenyl)-	180	C11H17P	1000162-21-6	49
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	45
3	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	43
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	43
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43





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Acq On : 19 Sep 2019 20:39
Operator : JC/SP
Sample : K4895-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

TIC Library : C:\DATABASE\NIST11.L
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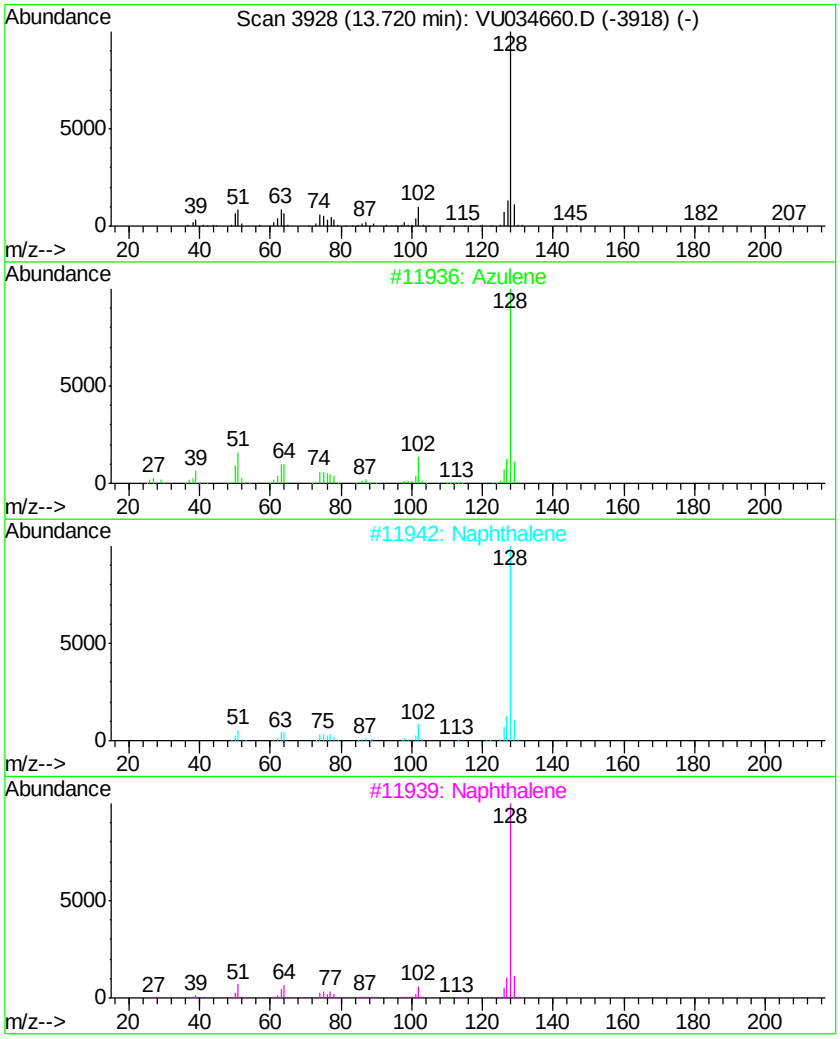
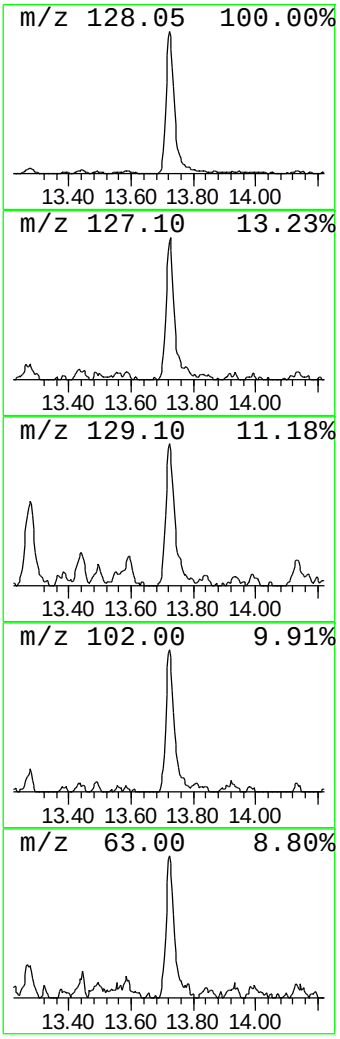
Peak Number 24 Azulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.12 ug/L	274263	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Naphthalene	128	C10H8	000091-20-3	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	90





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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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

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

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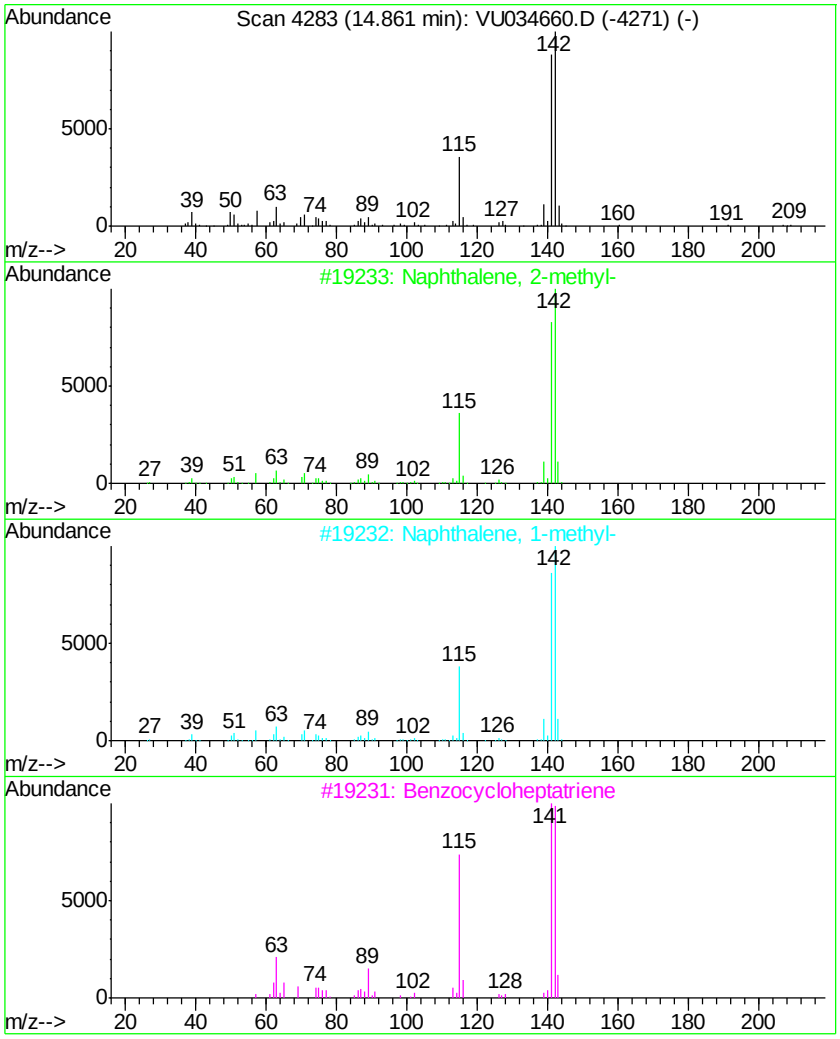
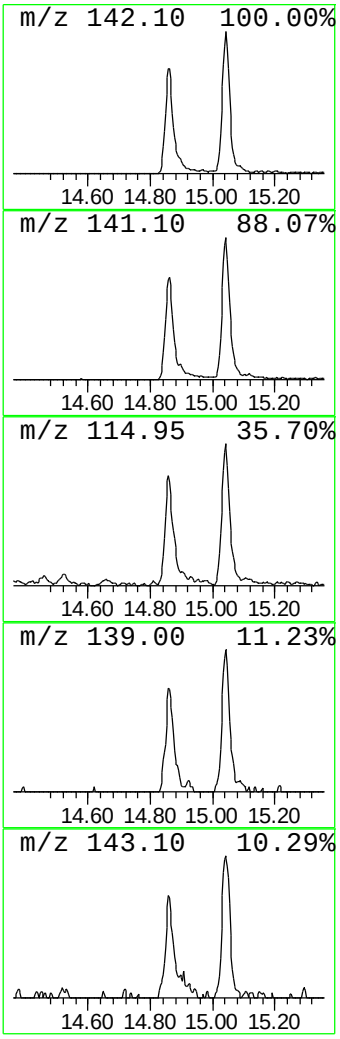
Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	6.17 ug/L	185584	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Benzocycloheptatriene	142	C11H10	000264-09-5	94
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





Tentatively Identified Compound (LSC) summary

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Sample : K4895-06
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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDF9

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	8.0	ug/L	201273	1	5.86	1264920	50.0
n-Propyl acetate	6.68	144.2	ug/L	3647000	1	5.86	1264920	50.0
unknown-01	7.21	23.5	ug/L	595175	1	5.86	1264920	50.0
Propanoic acid, 1...	7.40	16.8	ug/L	425974	1	5.86	1264920	50.0
Propanoic acid, 2...	8.13	13.4	ug/L	631465	2	9.07	2358330	50.0
Propanoic acid, p...	8.40	21.1	ug/L	992917	2	9.07	2358330	50.0
Butanoic acid, 1-...	8.88	26.0	ug/L	1225660	2	9.07	2358330	50.0
Benzene, propyl-	10.57	6.1	ug/L	182252	3	11.46	1504080	50.0
Benzene, 1-ethyl-...	10.66	3.5	ug/L	105607	3	11.46	1504080	50.0
Benzene, 1-ethyl-...	10.95	5.7	ug/L	171037	3	11.46	1504080	50.0
Benzene, 1,2,3-tr...	11.12	22.7	ug/L	683693	3	11.46	1504080	50.0
Benzene, 1,2,4-tr...	11.55	12.8	ug/L	385845	3	11.46	1504080	50.0
Indane	11.74	19.3	ug/L	579223	3	11.46	1504080	50.0
Benzene, 4-ethyl-...	12.12	3.1	ug/L	93913	3	11.46	1504080	50.0
o-Cymene	12.23	6.7	ug/L	200008	3	11.46	1504080	50.0
Benzene, 1-etheny...	12.33	7.0	ug/L	209404	3	11.46	1504080	50.0
Benzene, 1,2,4,5-...	12.63	4.8	ug/L	143826	3	11.46	1504080	50.0
Benzene, 1,2,3,5-...	12.68	5.3	ug/L	159603	3	11.46	1504080	50.0
Benzene, 2-etheny...	12.94	4.9	ug/L	147702	3	11.46	1504080	50.0
unknown-02	13.49	2.5	ug/L	75367	3	11.46	1504080	50.0
Azulene	13.72	9.1	ug/L	274263	3	11.46	1504080	50.0
Naphthalene, 1-me...	14.86	6.2	ug/L	185584	3	11.46	1504080	50.0