LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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	41	rBV2	14912	18833	0.60%	0.060%
2	1.392	85	94	107	rBV	314610	353641	11.29%	1.121%
3	1.466	110	117	125	rBV	117703	125682	4.01%	0.399%
4	1.543	134	141	157	rVB2	33191	54741	1.75%	0.174%
5	1.672	173	181	193	rVB	256999	333265	10.64%	1.057%
6	1.746	199	204	214	rVB4	14118	20302	0.65%	0.064%
7	2.170	330	336	346	rVV5	11201	19009	0.61%	0.060%
8	2.257	350	363	372	rVV	469991	737048	23.52%	2.337%
9	2.305	372	378	396	rVB	142586	228845	7.30%	0.726%
10	2.685	483	496	515	rBV	111946	213648	6.82%	0.678%
11	2.778	516	525	528	rBV9	6889	10489	0.33%	0.033%
12	2.974	578	586	599	rVB9	4558	10394	0.33%	0.033%
13	3.167	632	646	662	rBV2	26074	58369	1.86%	0.185%
14	3.402	700	719	724	rBV9	6957	15437	0.49%	0.049%
15	3.547	758	764	779	rVB9	5508	9464	0.30%	0.030%
16	3.971	879	896	911	rBV6	23470	68809	2.20%	0.218%
17	4.148	939	951	973	rBV	265936	707407	22.58%	2.243%
18	4.620	1082	1098	1123	rBV	375706	890772	28.43%	2.825%
19	4.968	1194	1206	1219	rVB6	9204	19818	0.63%	0.063%
20	5.315	1288	1314	1329	rBV2	795488	2404754	76.75%	7.626%
21	5.527	1370	1380	1407	rVB2	75726	169250	5.40%	0.537%
22	5.768	1451	1455	1467	rVB3	7036	10750	0.34%	0.034%
23	5.865	1472	1485	1509	rBV	548009	1106570	35.32%	3.509%
24	6.167	1568	1579	1598	rVB10	17961	45120	1.44%	0.143%
25	6.308	1608	1623	1640	rBV	550459	1112188	35.50%	3.527%
26	6.402	1644	1652	1653	rBV6	14757	16678	0.53%	0.053%
27	6.514	1678	1687	1695	rBV4	22132	41703	1.33%	0.132%
28	6.559	1697	1701	1706	rBV	7650	9455	0.30%	0.030%
29	6.681	1727	1739	1764	rBV	1741539	3133329	100.00%	9.936%
30	7.045	1844	1852	1862	rVB6	7367	13146	0.42%	0.042%
31	7.206	1888	1902	1918	rBV2	314001	581645	18.56%	1.845%
32	7.398	1950	1962	1972	rBV	182948	322983	10.31%	1.024%
33	7.543	1992	2007	2021	rBV	1083904	1944313	62.05%	6.166%
34	7.614	2021	2029	2044	rVB	172271	308650	9.85%	0.979%

LSC Area Percent Report

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Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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	7.826	2083	2095	2111	rBV2	268291	479850	15.31%	1.522%
36	8.135	2179	2191	2206	rBV	251347	429583	13.71%	1.362%
37	8.215	2206	2216	2219	rBV5	26394	45319	1.45%	0.144%
38	8.238	2219	2223	2229	rVV2	25569	32167	1.03%	0.102%
39	8.289	2229	2239	2262	rVV	995302	1692167	54.01%	5.366%
40	8.395	2262	2272	2284	rBV	518691	794236	25.35%	2.519%
41	8.511	2301	2308	2326	rVB3	28080	54113	1.73%	0.172%
42	8.884	2410	2424	2450	rBV	502611	829465	26.47%	2.630%
43	9.067	2454	2481	2514	rBV	831163	1574439	50.25%	4.993%
44	9.228	2521	2531	2544	rBV	158670	256812	8.20%	0.814%
45	9.353	2554	2570	2584	rBV	294796	508643	16.23%	1.613%
46	9.424	2585	2592	2599	rVV7	9407	13571	0.43%	0.043%
47	9.476	2599	2608	2618	rVB3	47253	78542	2.51%	0.249%
48	9.585	2635	2642	2653	rBV2	15782	27035	0.86%	0.086%
49	9.672	2662	2669	2672	rBV7	6158	8107	0.26%	0.026%
50	9.755	2684	2695	2720	rVB3	288652	502465	16.04%	1.593%
51	9.929	2737	2749	2764	rVV9	21903	50639	1.62%	0.161%
52	10.019	2764	2777	2786	rVV9	28503	60550	1.93%	0.192%
53	10.077	2788	2795	2803	rVV8	16233	29910	0.95%	0.095%
54	10.144	2804	2816	2827	rVB	72861	118958	3.80%	0.377%
55	10.295	2856	2863	2876	rBV	12880	22379	0.71%	0.071%
56	10.408	2885	2898	2921	rBV	765695	1268534	40.49%	4.023%
57	10.566	2933	2947	2962	rBV	60547	140107	4.47%	0.444%
58	10.659	2967	2976	2981	rBV2	77452	125407	4.00%	0.398%
59	10.749	2996	3004	3013	rVB	58997	85105	2.72%	0.270%
60	10.900	3041	3051	3057	rBV2	26961	45888	1.46%	0.146%
61	10.948	3057	3066	3088	rVV	101847	212012	6.77%	0.672%
62	11.057	3091	3100	3110	rVV8	27791	51856	1.65%	0.164%
63	11.125	3111	3121	3134	rVV	233572	353867	11.29%	1.122%
64	11.302	3171	3176	3188	rBV	10786	16700	0.53%	0.053%
65	11.402	3203	3207	3214	rVB7	17007	21447	0.68%	0.068%
66	11.459	3214	3225	3243	rVV	812735	1334440	42.59%	4.232%
67	11.549	3244	3253	3265	rVB	132824	206886	6.60%	0.656%
68	11.691	3288	3297	3305	rBV	110716	165982	5.30%	0.526%
69	11.742	3305	3313	3324	rVV2	146602	237919	7.59%	0.754%
70	11.836	3331	3342	3370	rVB2	1113192	2098439	66.97%	6.655%
71	11.958	3372	3380	3395	rVV3	43272	81266	2.59%	0.258%

LSC Area Percent Report

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Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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	12.032	3396	3403	3415	rVB	27337	46693	1.49%	0.148%
73	12.125	3423	3432	3438	rBV3	35095	58766	1.88%	0.186%
74	12.228	3457	3464	3471	rBV	45717	62055	1.98%	0.197%
75	12.334	3488	3497	3516	rVB2	56668	121685	3.88%	0.386%
76	12.469	3531	3539	3544	rBV10	10148	17247	0.55%	0.055%
77	12.527	3549	3557	3567	rVV3	28119	55653	1.78%	0.176%
78	12.594	3570	3578	3582	rVV2	40500	66429	2.12%	0.211%
79	12.627	3582	3588	3596	rVV	68000	113233	3.61%	0.359%
80	12.681	3596	3605	3621	rVB2	120539	193212	6.17%	0.613%
81	12.942	3679	3686	3696	rBV	46579	69578	2.22%	0.221%
82	13.099	3717	3735	3748	rBV4	134006	245276	7.83%	0.778%
83	13.167	3753	3756	3766	rVB7	21455	28855	0.92%	0.092%
84	13.270	3779	3788	3802	rVB4	62254	103689	3.31%	0.329%
85	13.376	3812	3821	3831	rBV5	33972	58232	1.86%	0.185%
86	13.437	3833	3840	3848	rVV6	19399	31883	1.02%	0.101%
87	13.488	3848	3856	3872	rVV8	31997	76867	2.45%	0.244%
88	13.556	3872	3877	3881	rVV7	17176	23276	0.74%	0.074%
89	13.588	3882	3887	3902	rVB3	29015	54835	1.75%	0.174%
90	13.723	3916	3929	3951	rBV	302990	541452	17.28%	1.717%
91	13.916	3980	3989	4000	rBV	20023	40493	1.29%	0.128%
92	14.134	4049	4057	4074	rVB4	16272	35074	1.12%	0.111%
93	14.308	4104	4111	4114	rBV3	16369	18375	0.59%	0.058%
94	14.456	4148	4157	4163	rBV3	10666	17331	0.55%	0.055%
95	14.517	4168	4176	4188	rVB4	29533	53242	1.70%	0.169%
96	14.630	4203	4211	4214	rVV7	9933	14386	0.46%	0.046%
97	14.659	4216	4220	4231	rVV7	12247	19759	0.63%	0.063%
98	14.861	4275	4283	4292	rVV2	22481	38471	1.23%	0.122%
99	15.044	4330	4340	4355	rVB2	82277	148484	4.74%	0.471%
100	15.337	4422	4431	4434	rBV10	5438	7951	0.25%	0.025%

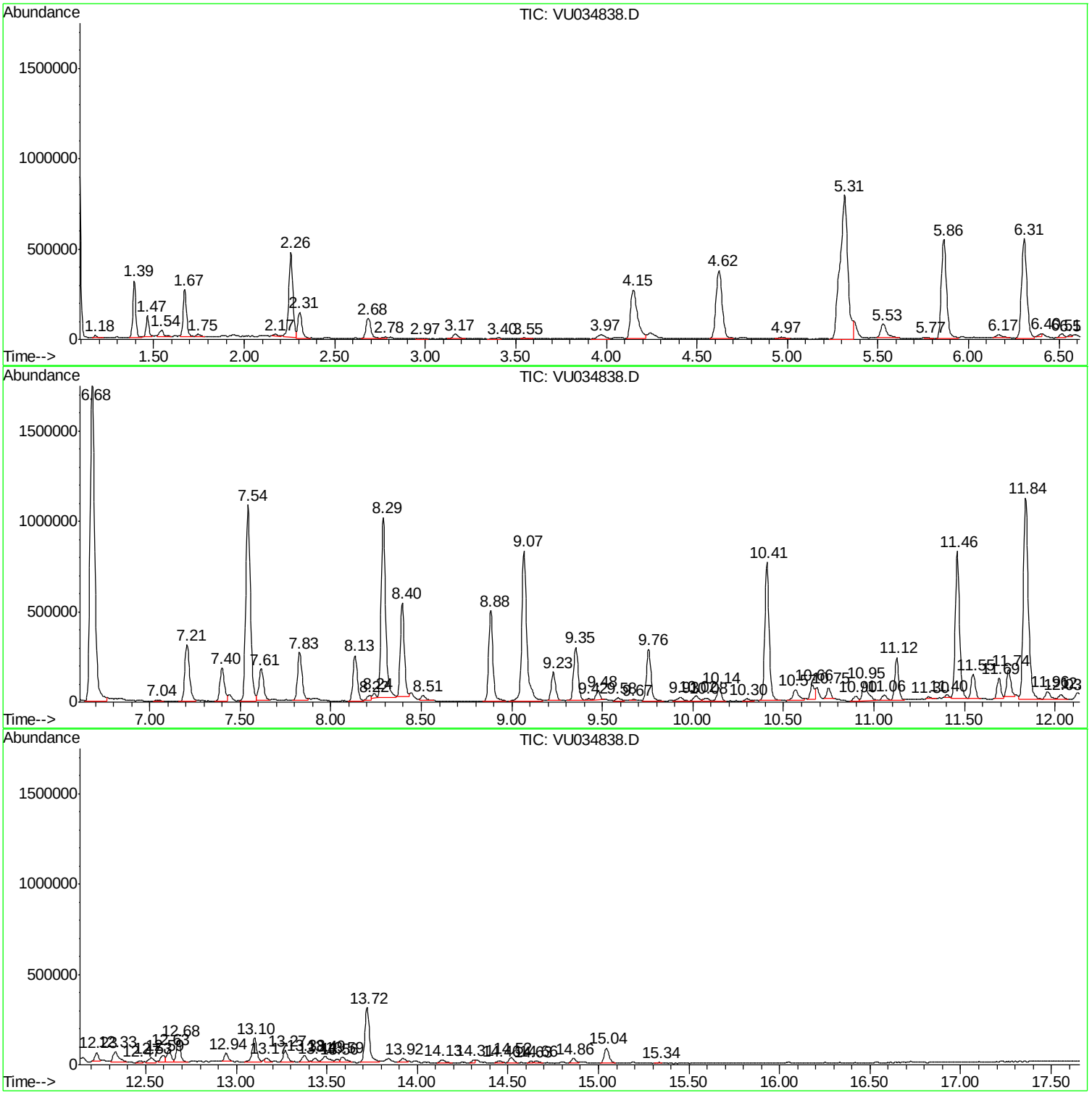
Sum of corrected areas: 31533794

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

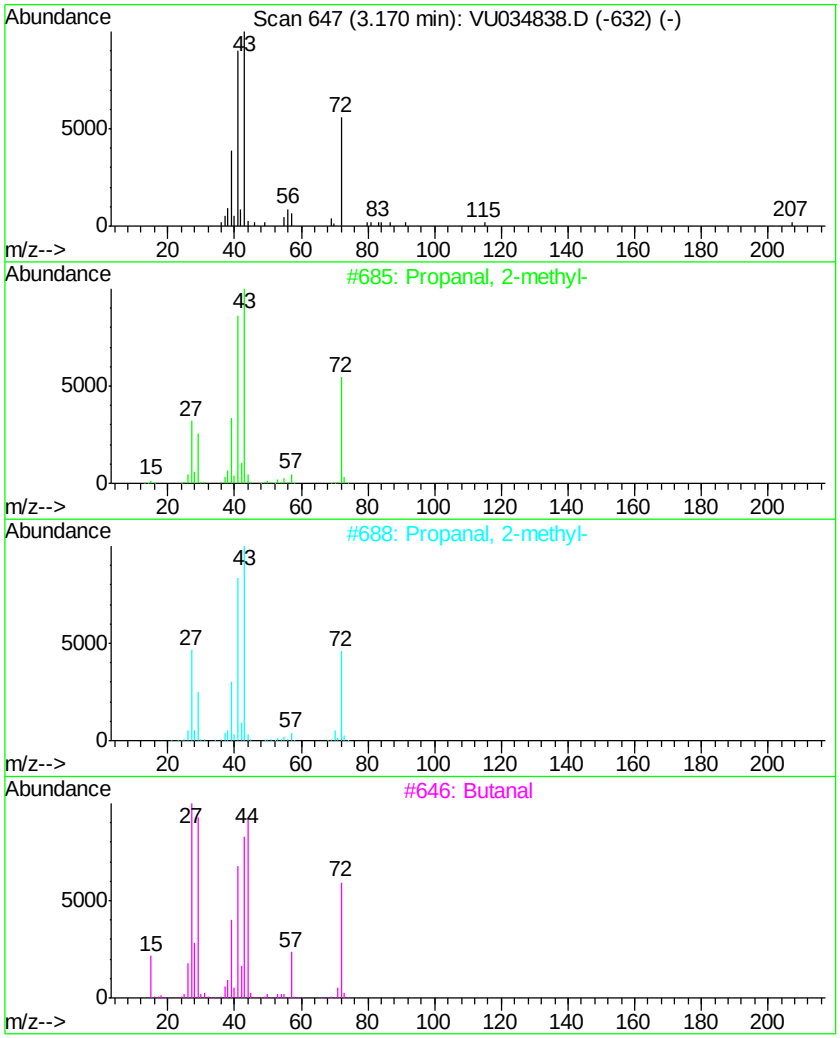
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

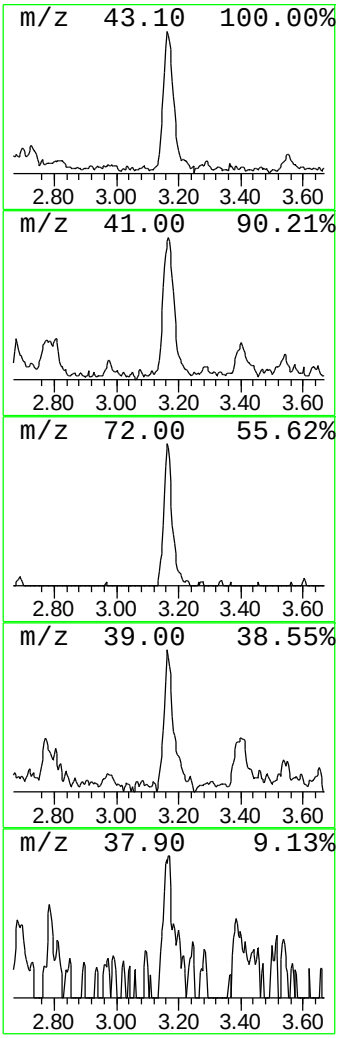
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	2.64 ug/L	58369	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	87
3	Butanal	72	C4H8O	000123-72-8	56
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	47
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

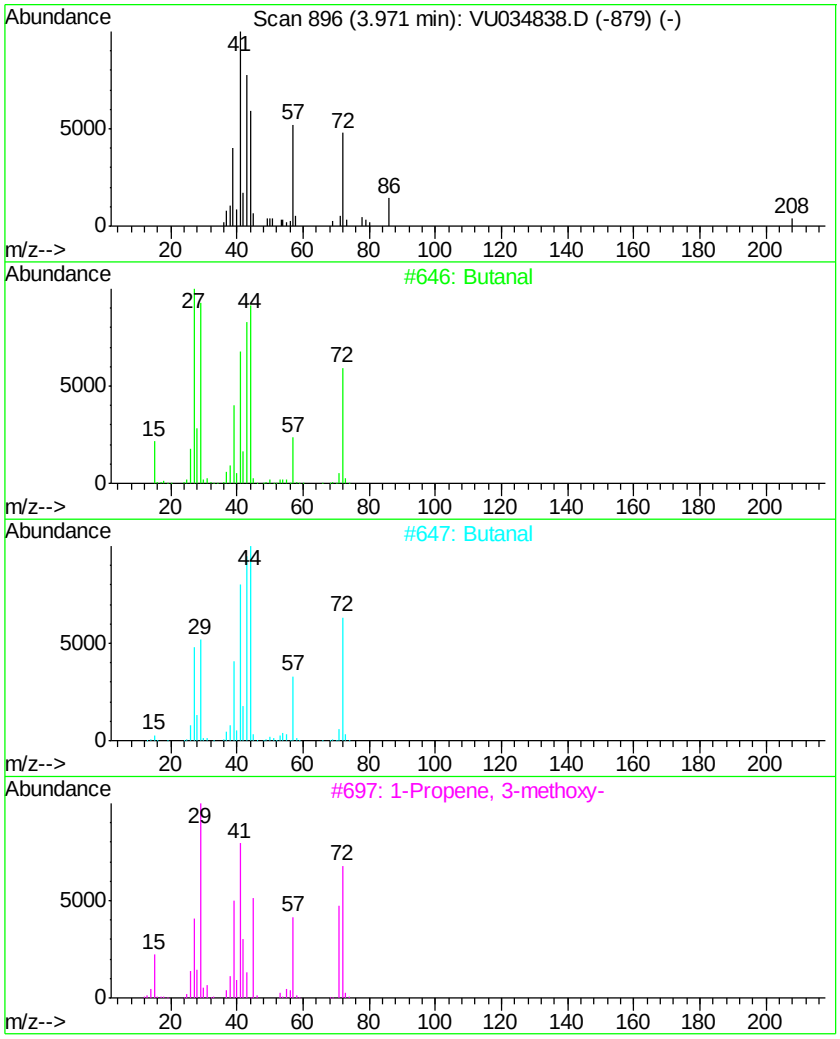
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

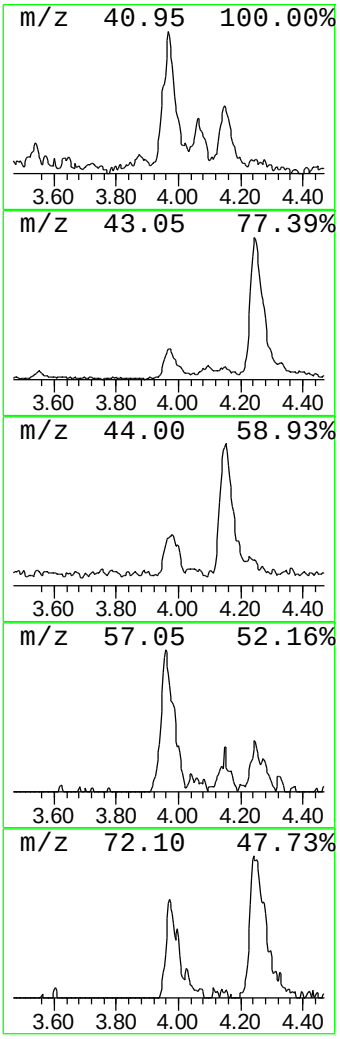
****

Peak Number 3 Butanal Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	3.11 ug/L	68809	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	52
2	Butanal	72	C4H8O	000123-72-8	50
3	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	43
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	38
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

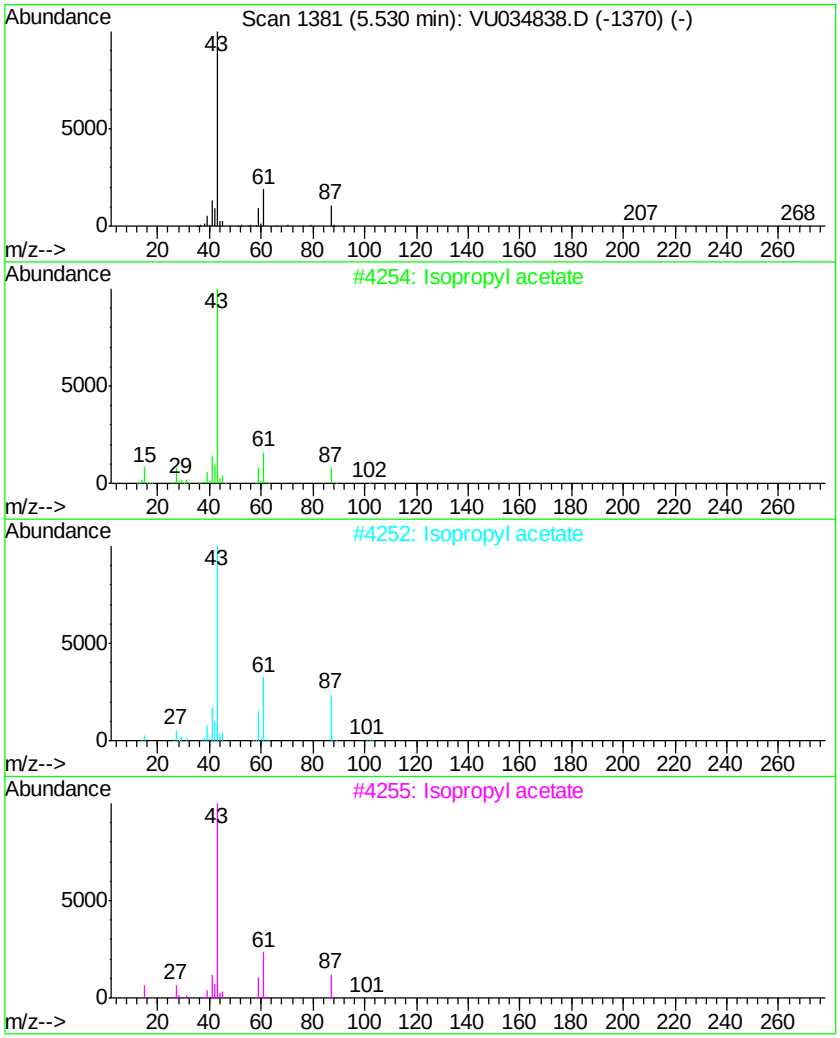
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

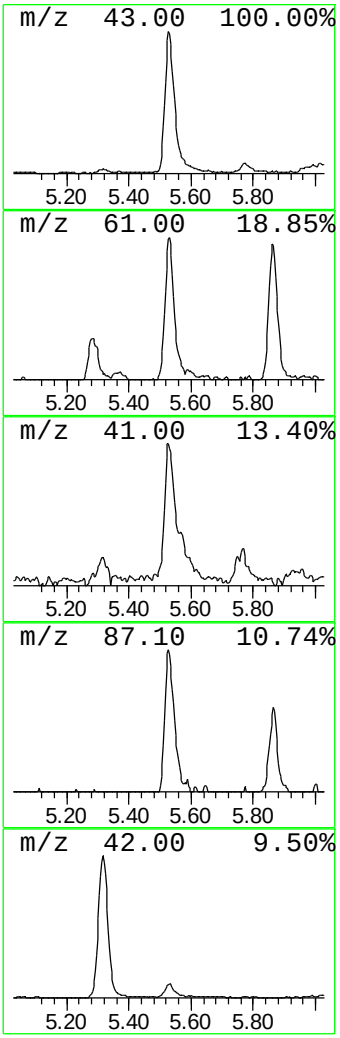
****

Peak Number 4 Isopropyl acetate Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.65 ug/L	169250	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	59
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	25
5	1,1-Ethanediol, diacetate	146	C6H10O4	000542-10-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

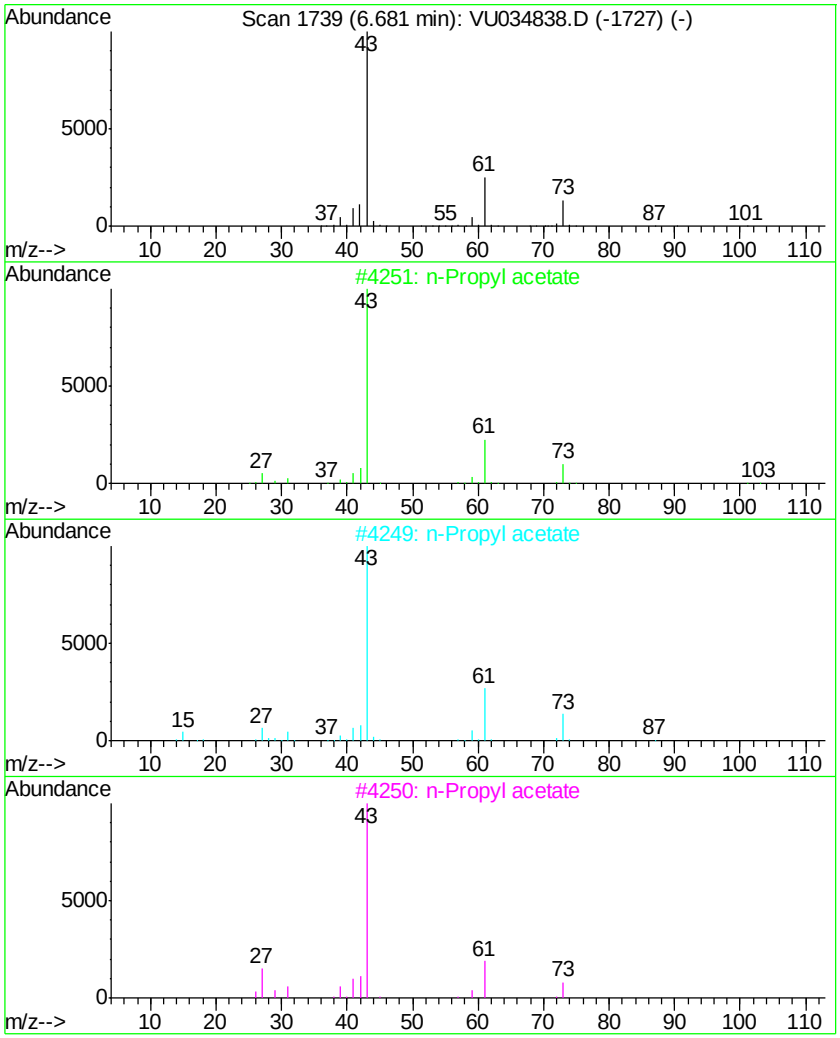
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

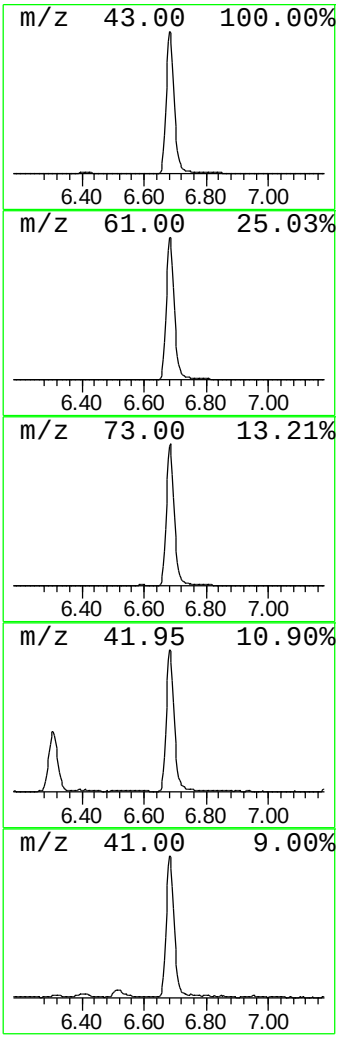
****

Peak Number 5 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	141.58 ug/L	3133330	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	83
3	n-Propyl acetate	102	C5H10O2	000109-60-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isobutylamine	73	C4H11N	000078-81-9	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

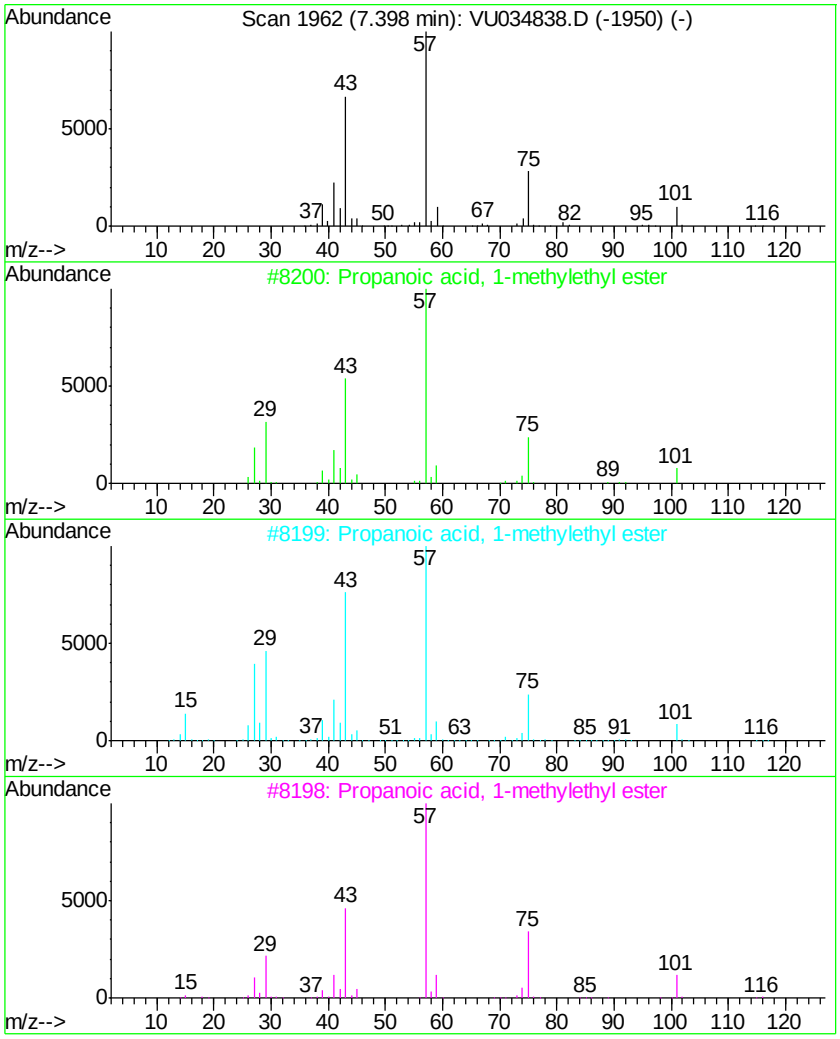
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

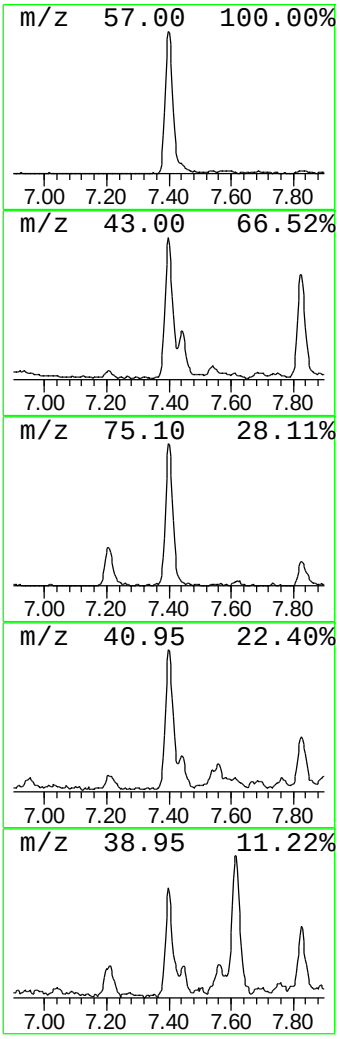
****

Peak Number 7 Propanoic acid, 1-methyleth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	14.59 ug/L	322983	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	50
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	50
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	23





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Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

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

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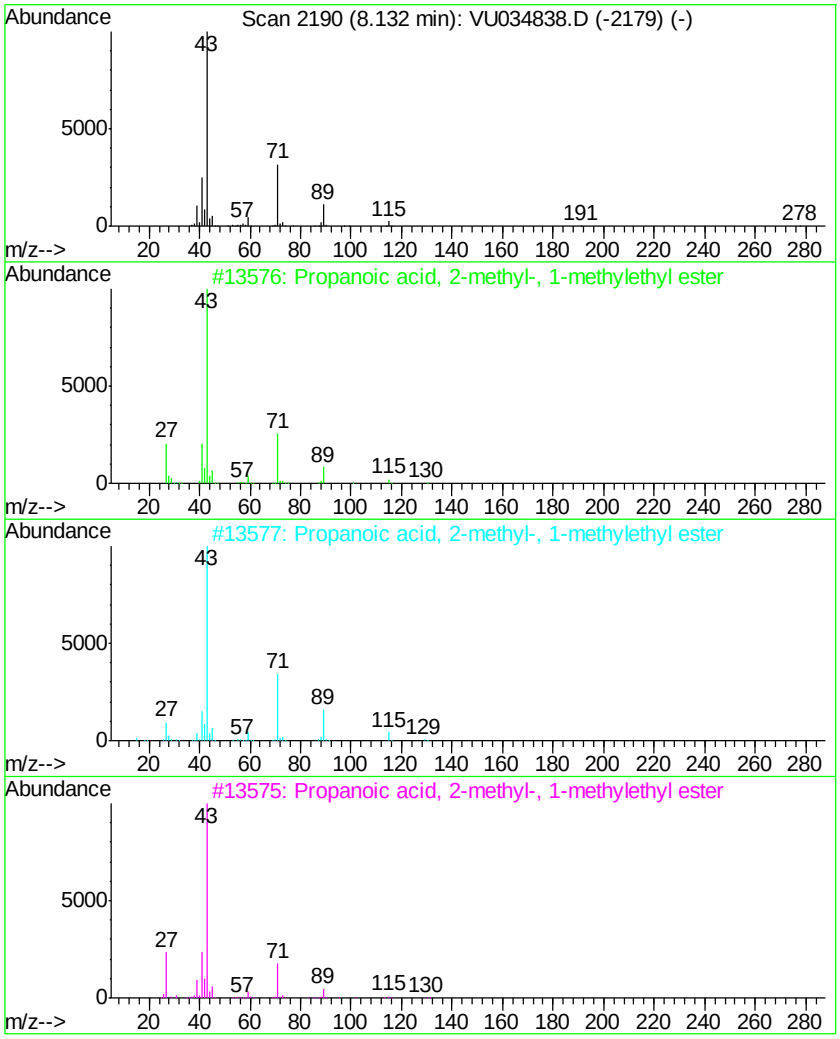
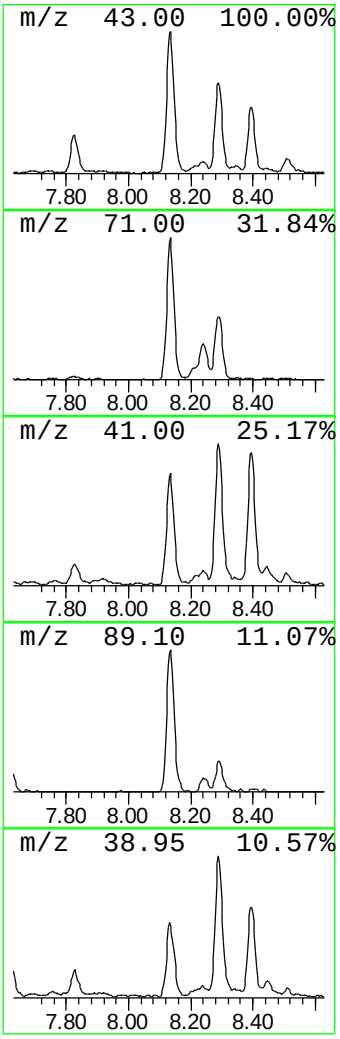
Peak Number 8 Propanoic acid, 2-methyl-, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	13.64 ug/L	429583	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	78
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	59
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	37
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	36





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Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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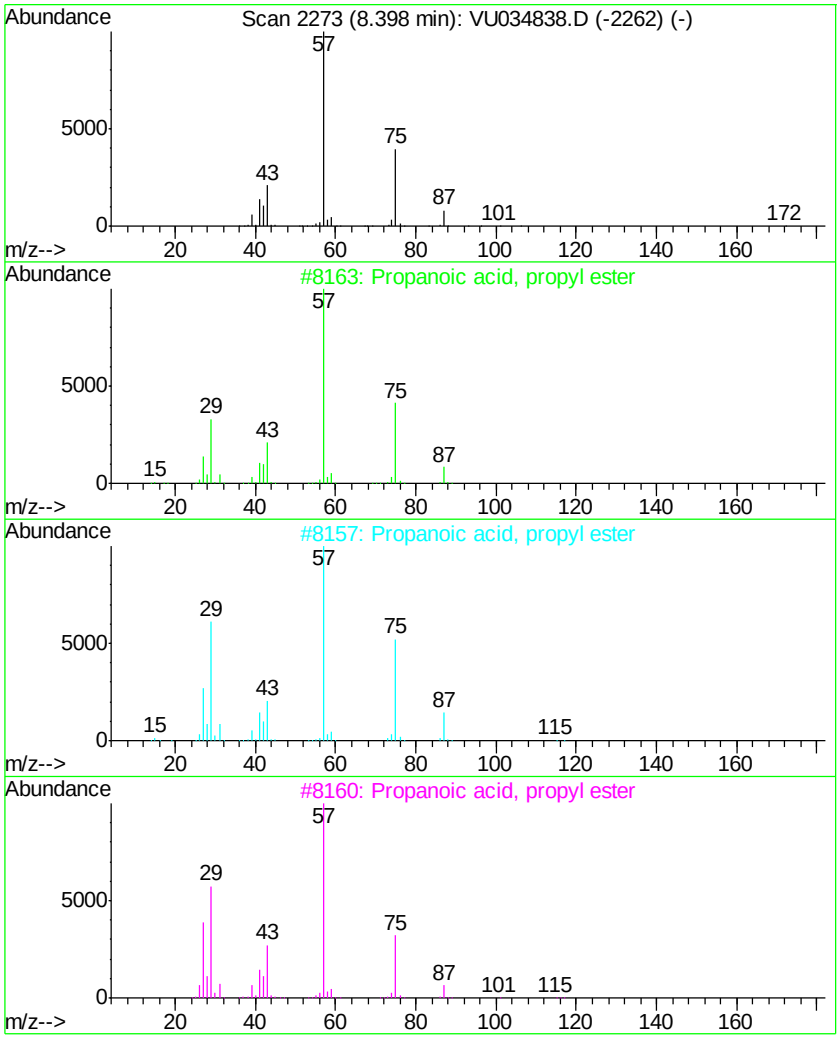
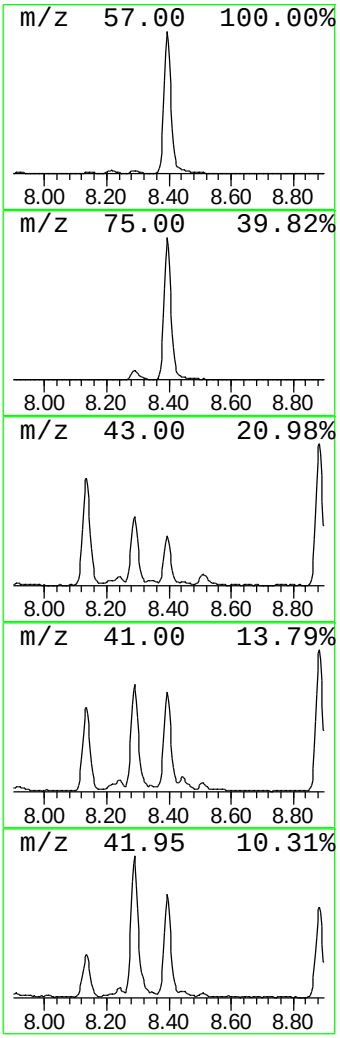
Peak Number 9 Propanoic acid, propyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	25.22 ug/L	794236	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	25





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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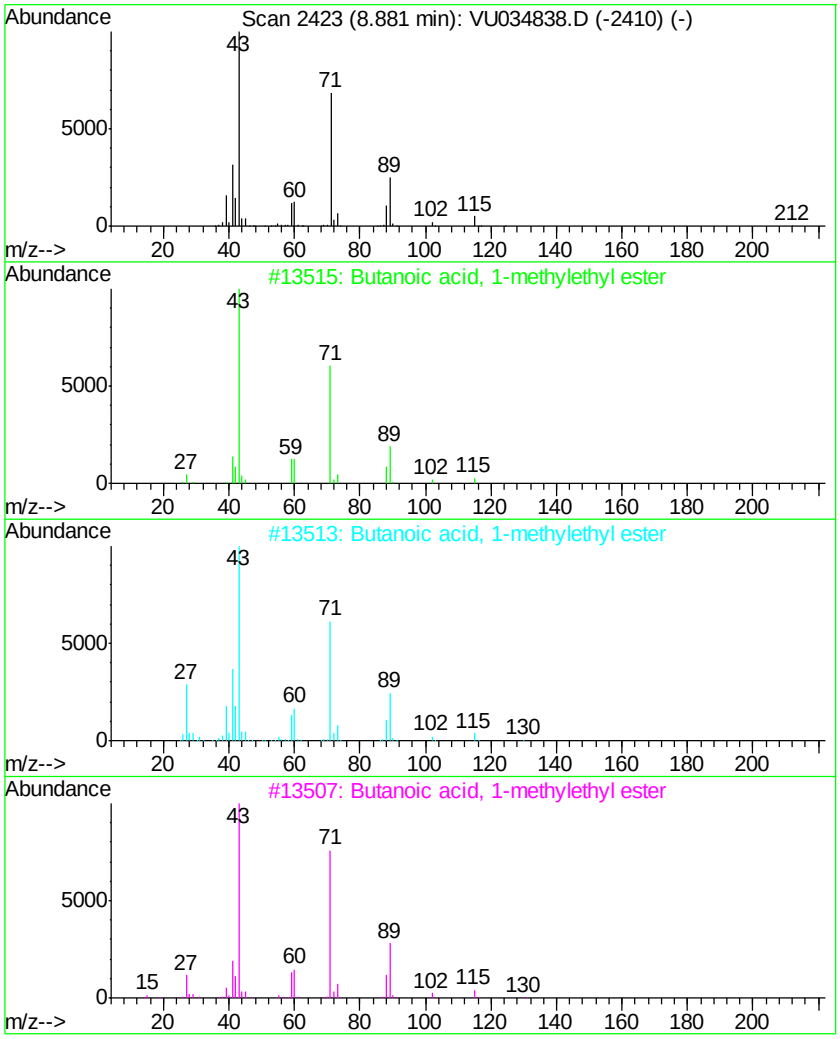
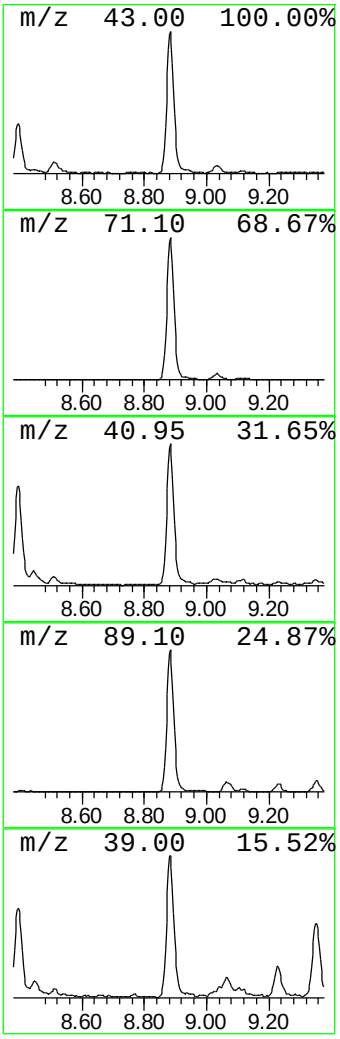
Peak Number 10 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	26.34 ug/L	829465	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-, penty...	158	C9H18O2	002445-72-9	59





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Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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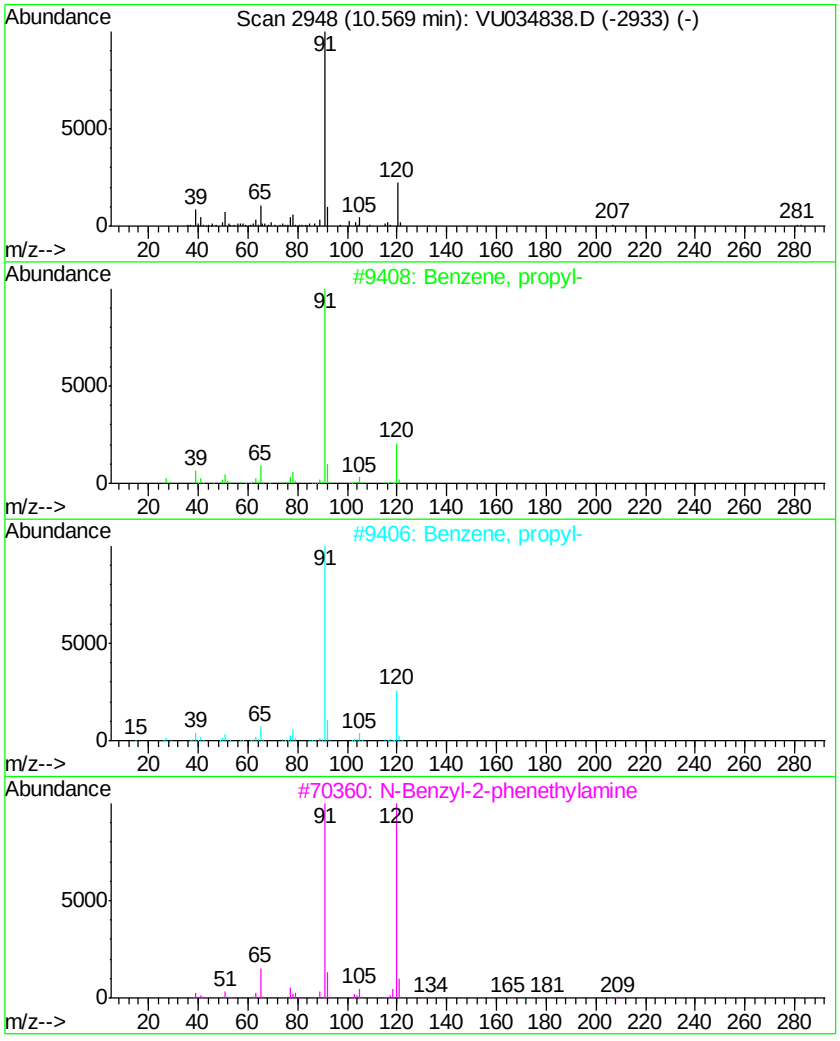
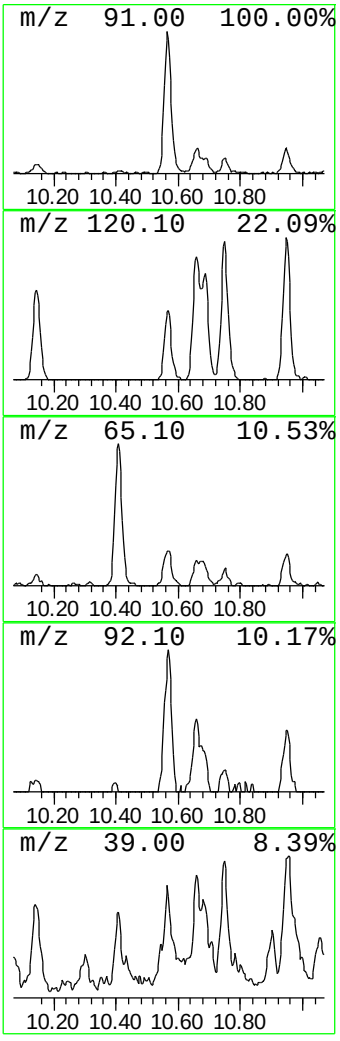
Peak Number 11 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.25 ug/L	140107	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	80
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Benzene, propyl-	120	C9H12	000103-65-1	76
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64





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Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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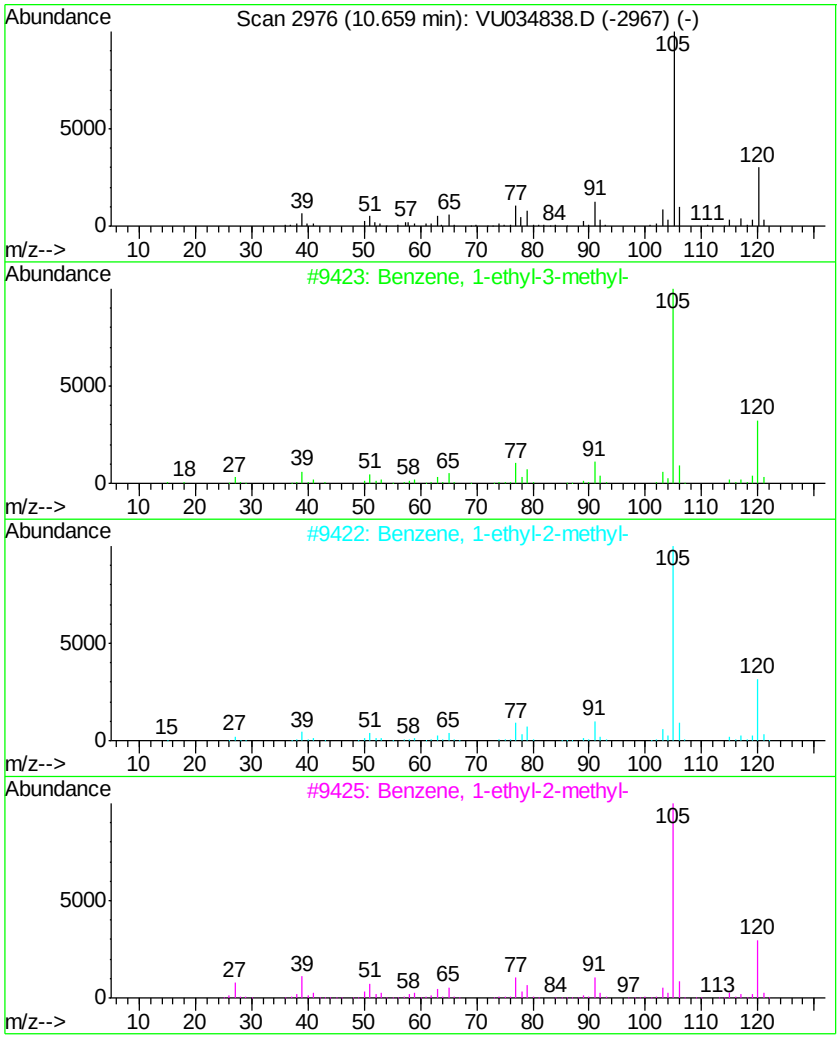
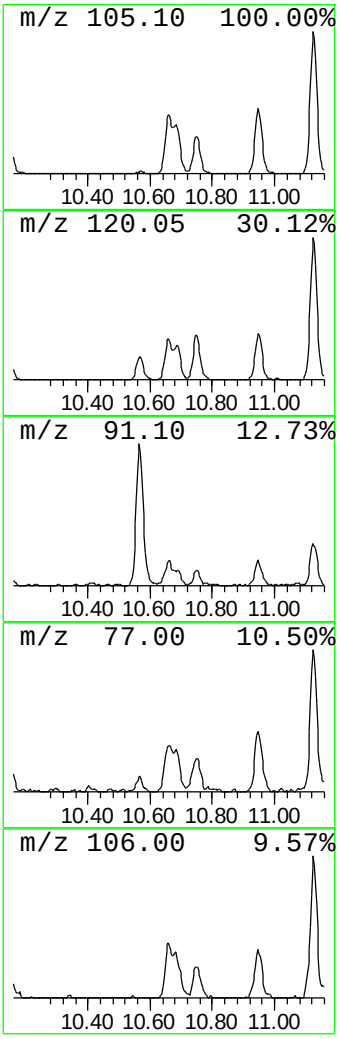
Peak Number 12 Benzene, 1-ethyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	4.70 ug/L	125407	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	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
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-4-methyl-	120	C9H12	000622-96-8	91





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Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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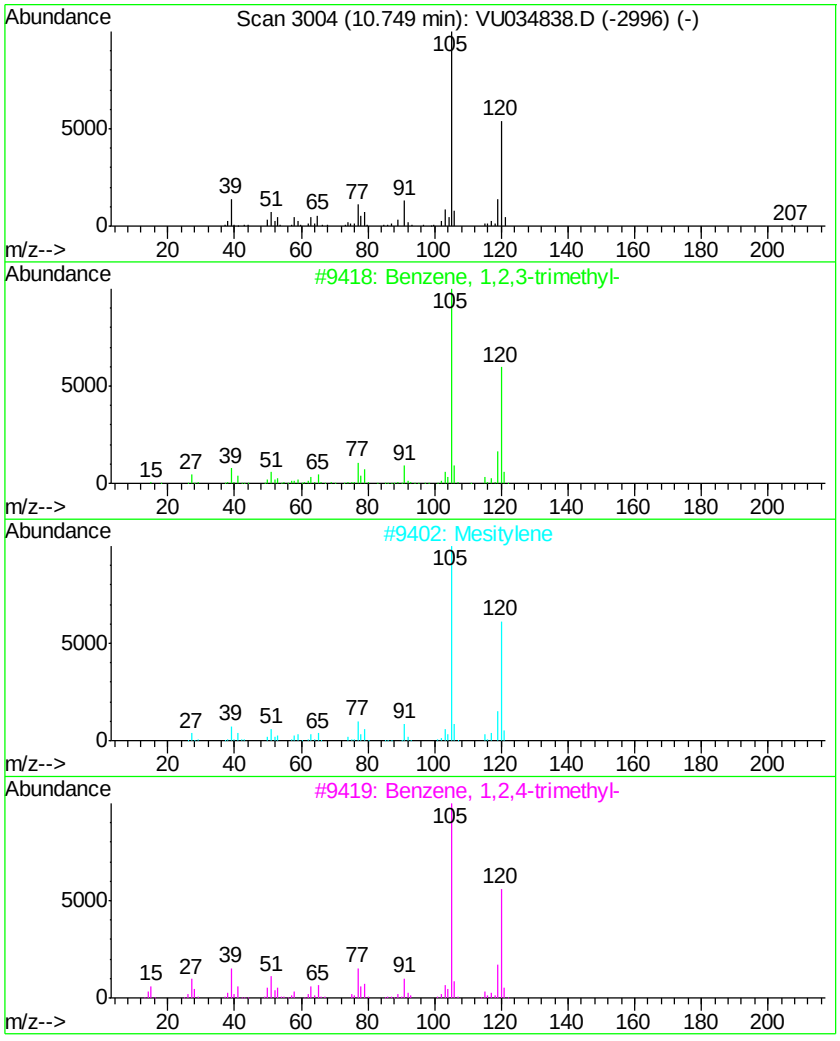
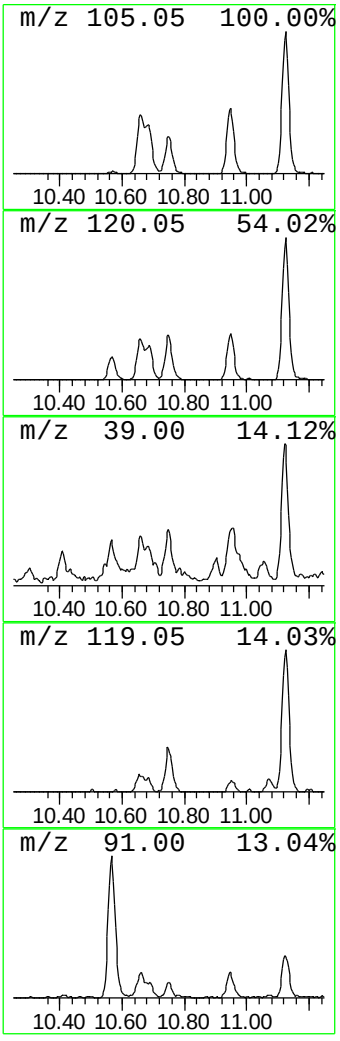
Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	3.19 ug/L	85105	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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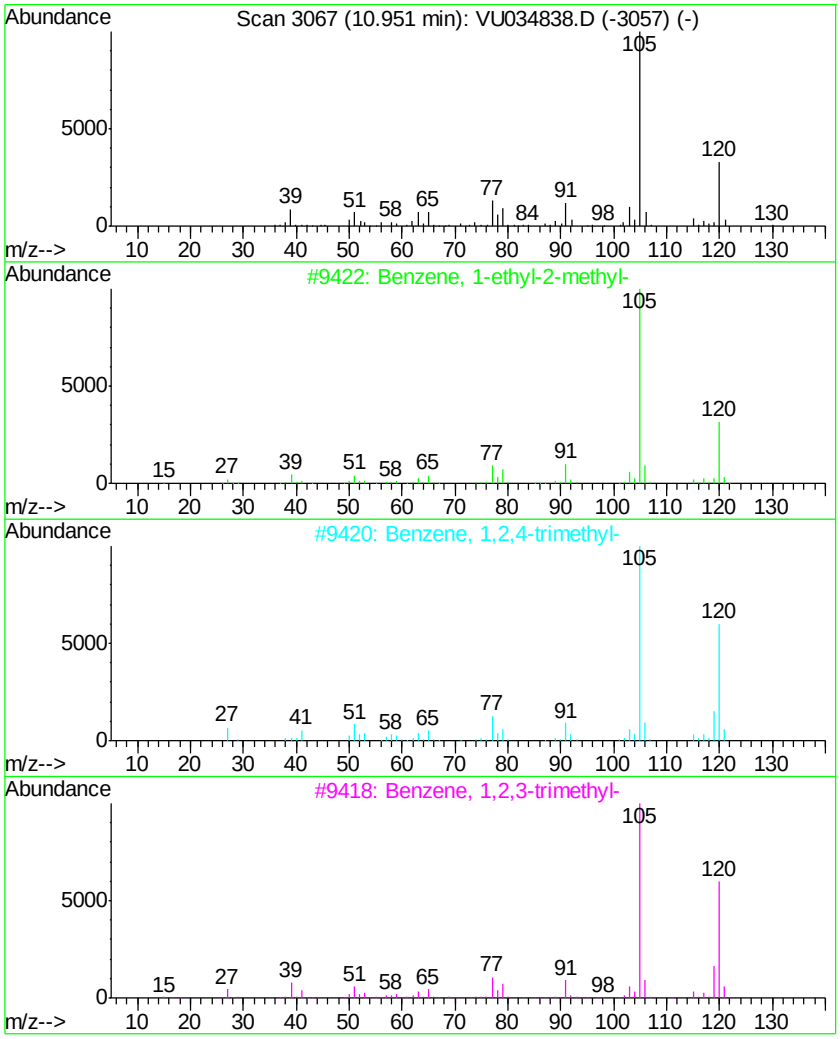
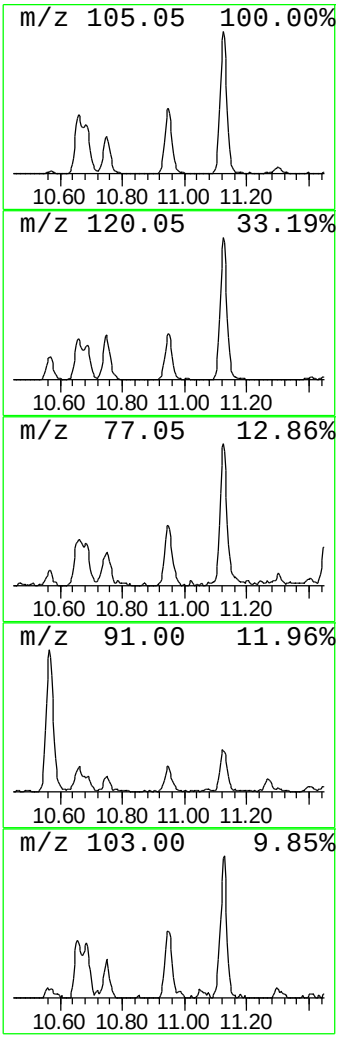
Peak Number 14 Benzene, 1-ethyl-2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	7.94 ug/L	212012	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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Quant Title : VOC Analysis

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

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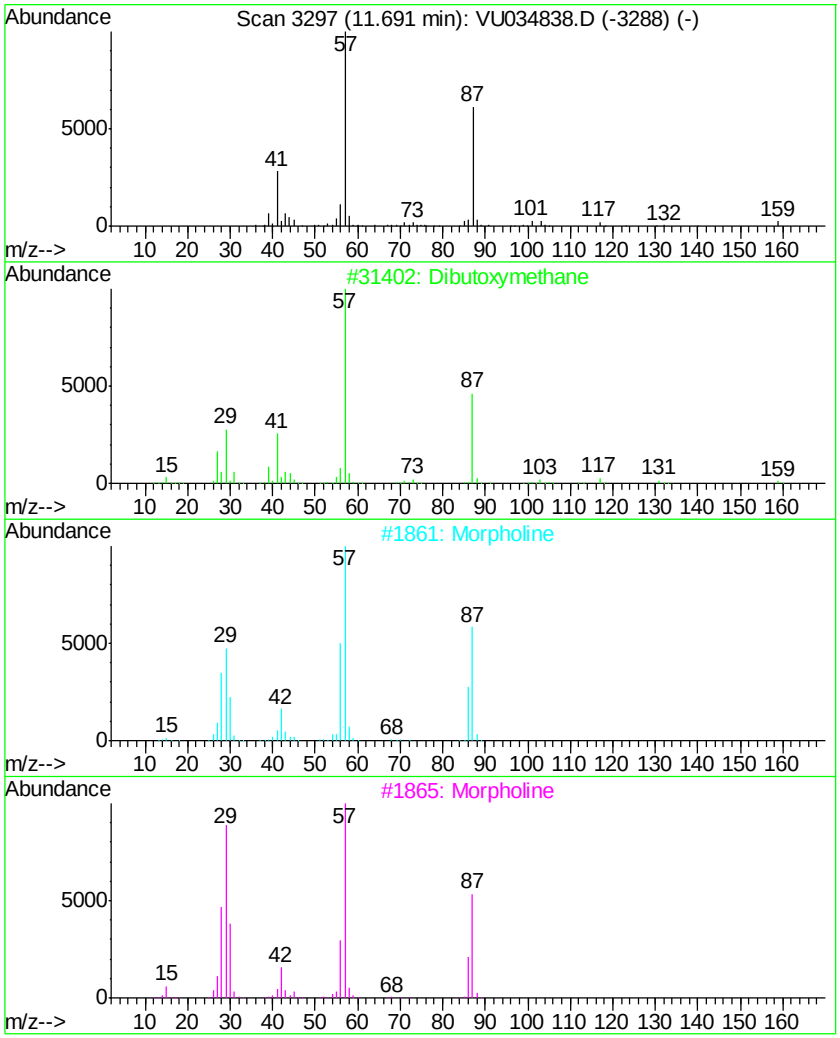
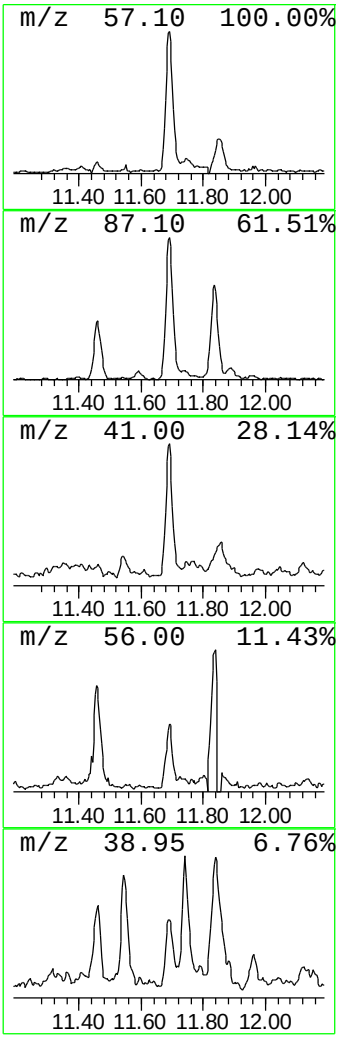
Peak Number 17 Dibutoxymethane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	6.22 ug/L	165982	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutoxymethane	160	C9H20O2	002568-90-3	72
2	Morpholine	87	C4H9NO	000110-91-8	42
3	Morpholine	87	C4H9NO	000110-91-8	42
4	Morpholine	87	C4H9NO	000110-91-8	40
5	Ethanol, 2,2'-oxybis-, diacetate	190	C8H14O5	000628-68-2	38





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Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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Quant Title : VOC Analysis

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

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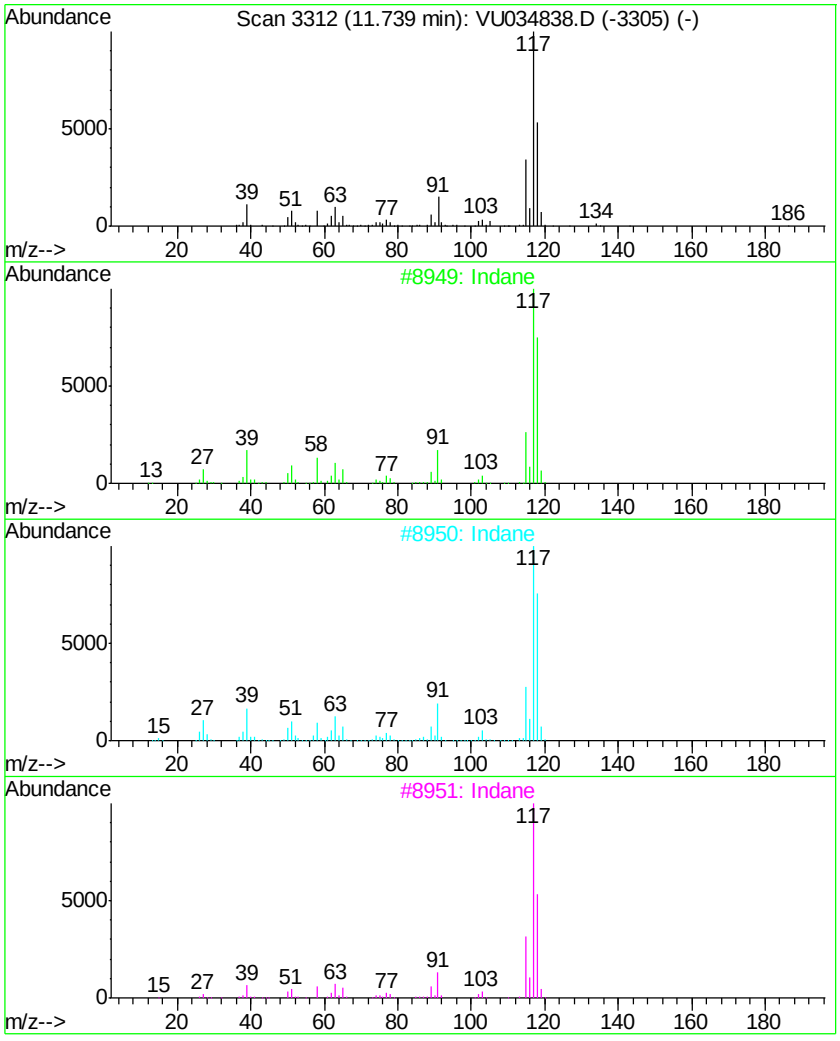
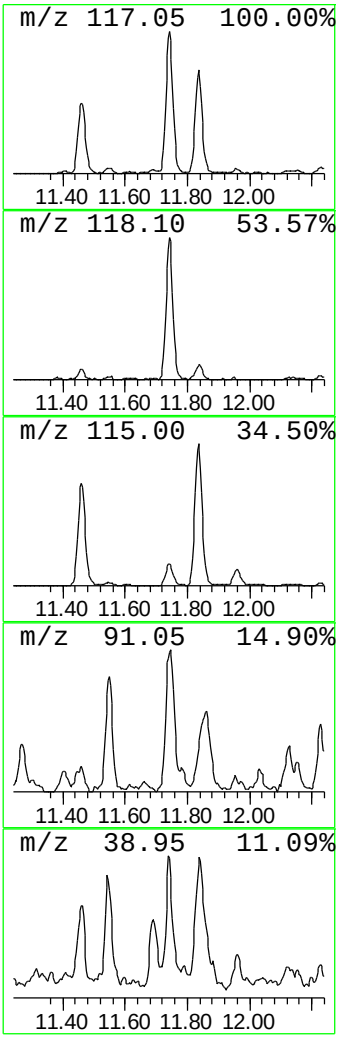
Peak Number 18 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	8.91 ug/L	237919	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





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Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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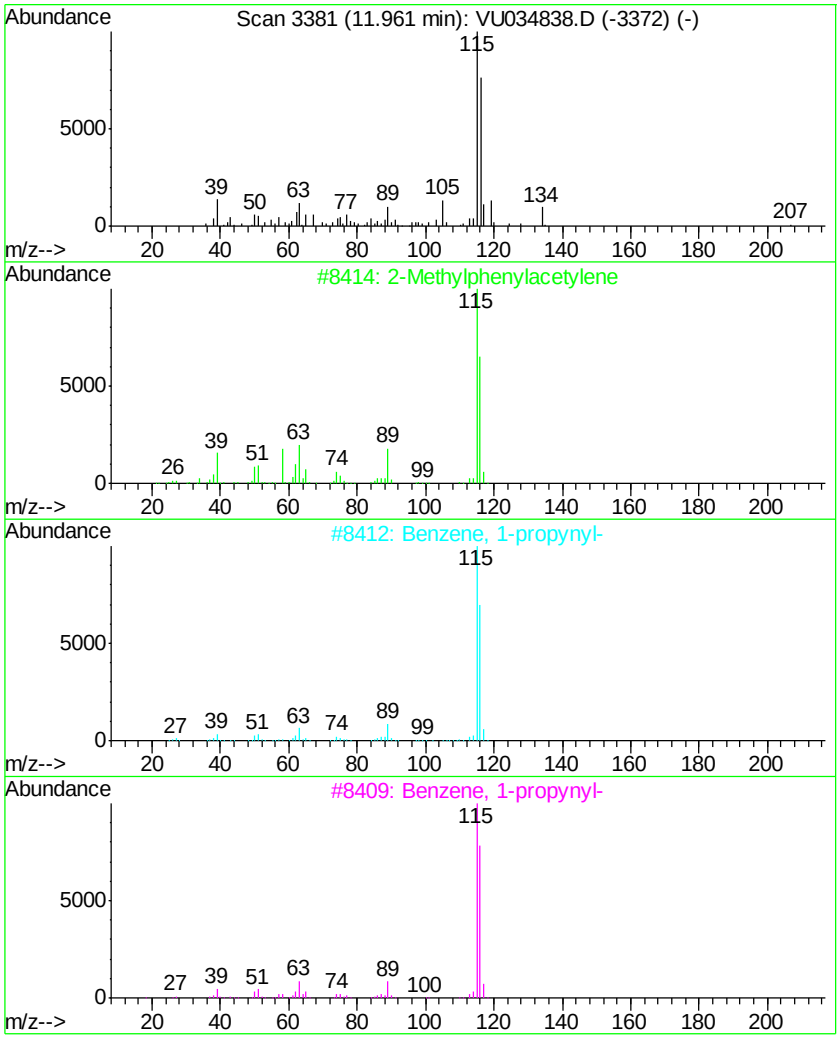
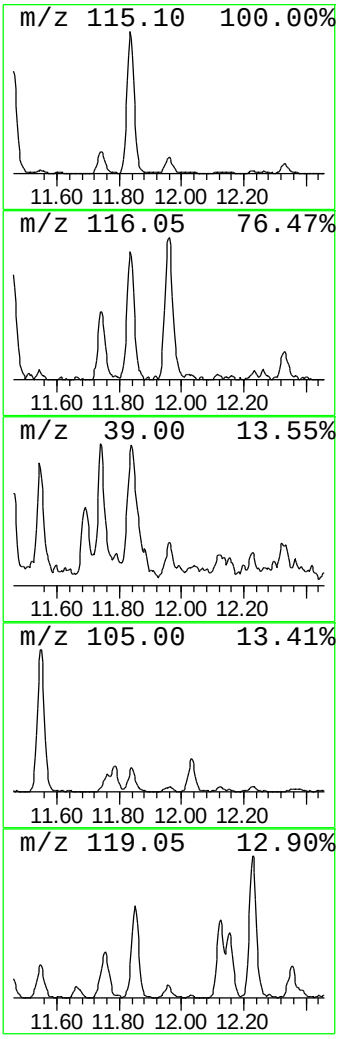
Peak Number 19 2-Methylphenylacetylene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.04 ug/L	81266	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylphenylacetylene	116	C9H8	000766-47-2	83
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	81
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	81





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Sample : K4983-21
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ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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Quant Title : VOC Analysis

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

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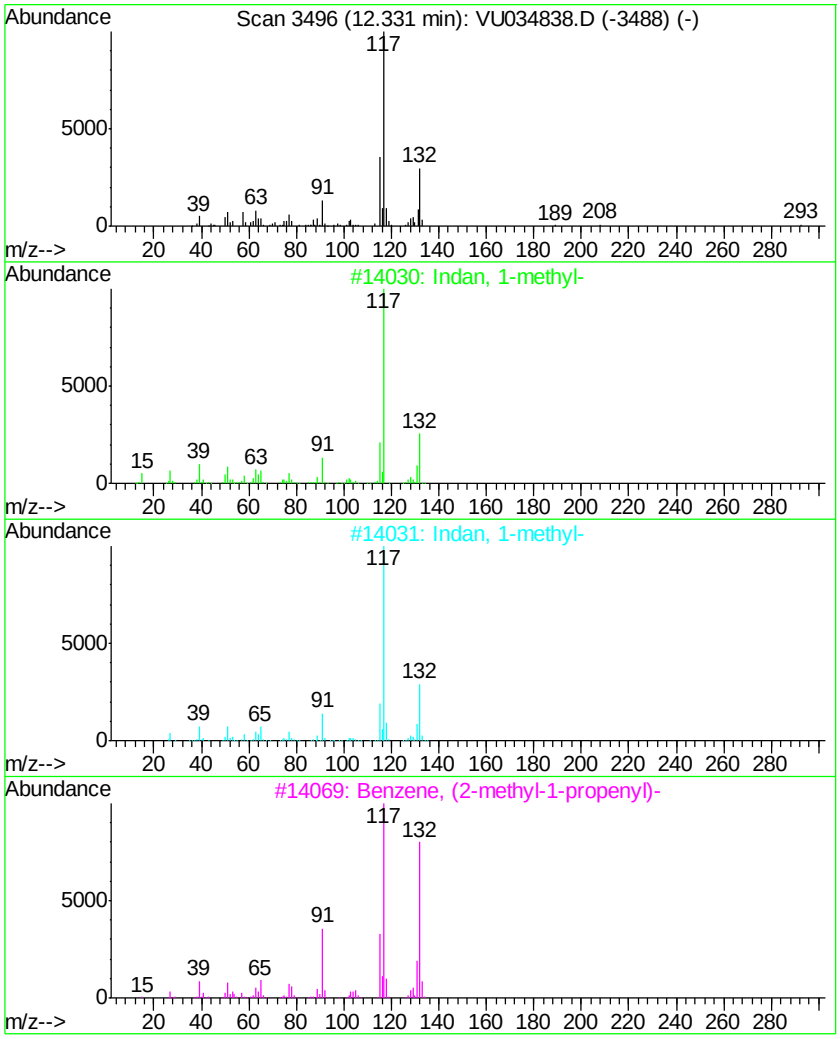
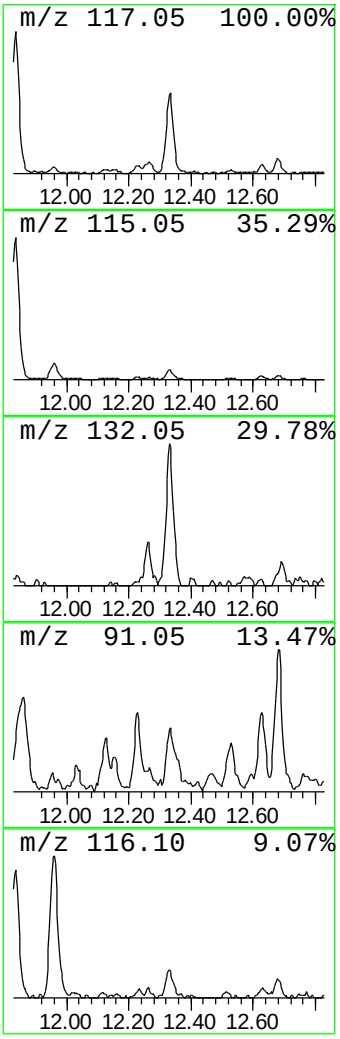
Peak Number 20 Indan, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.56 ug/L	121685	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





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Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
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Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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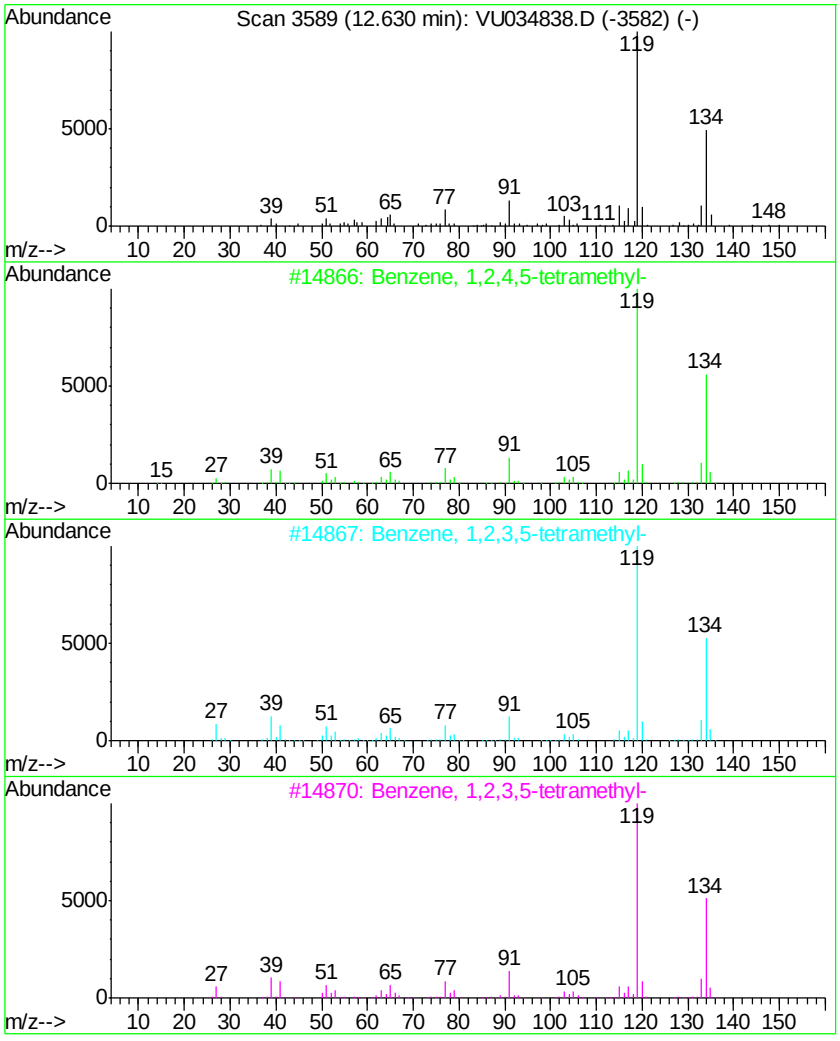
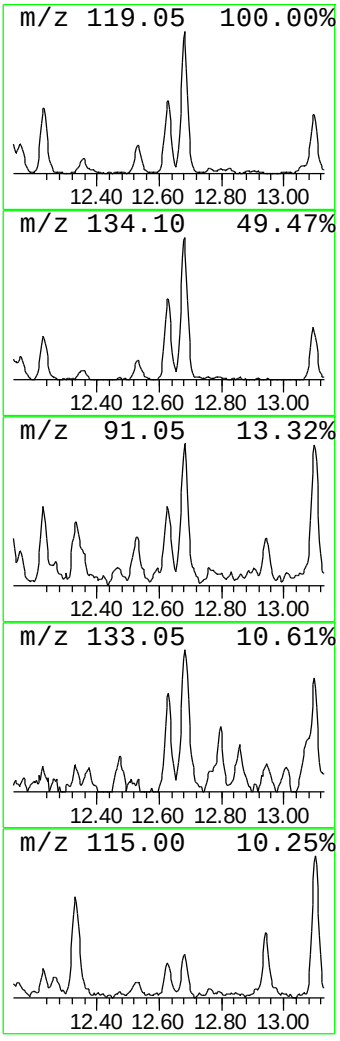
Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.24 ug/L	113233	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

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

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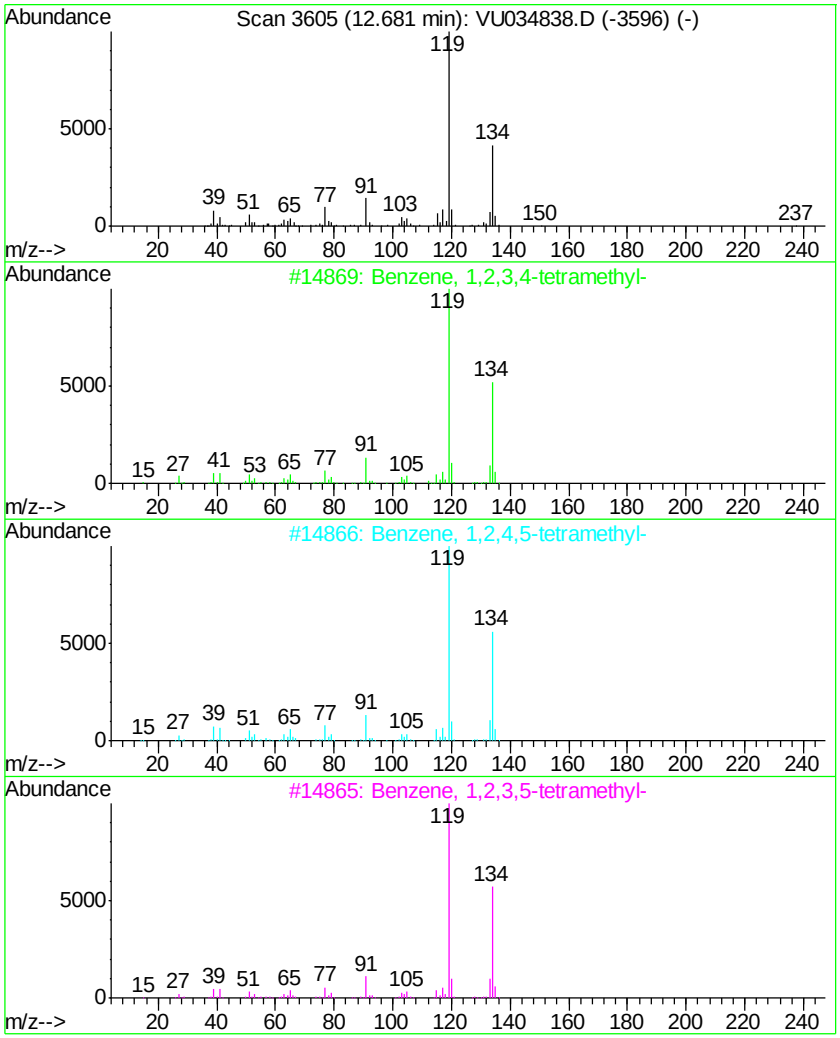
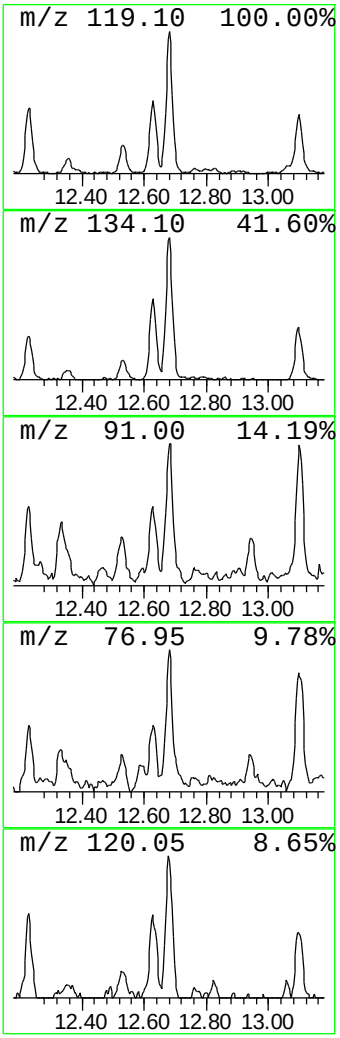
Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	7.24 ug/L	193212	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	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

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

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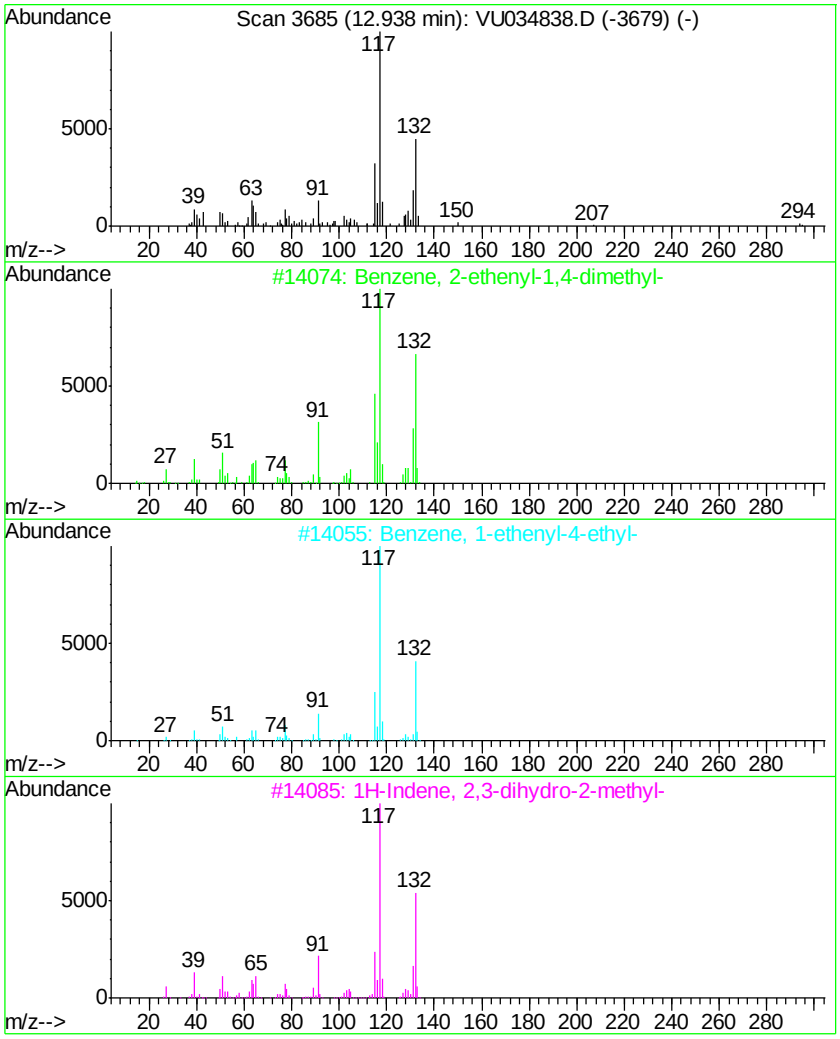
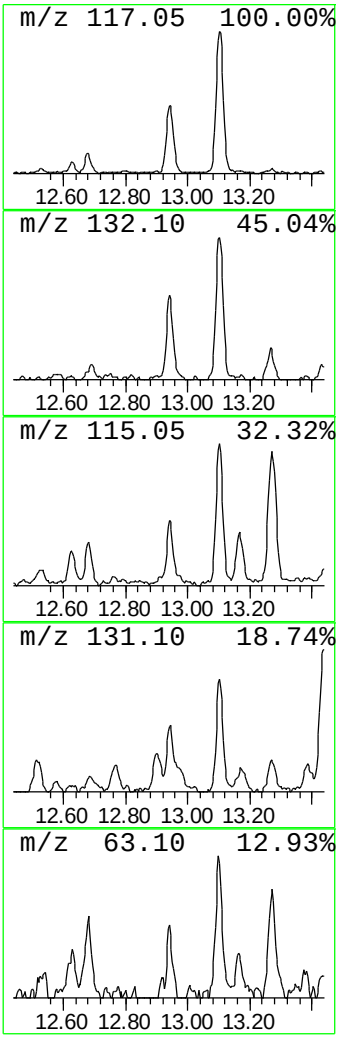
Peak Number 23 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.61 ug/L	69578	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	94
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	91
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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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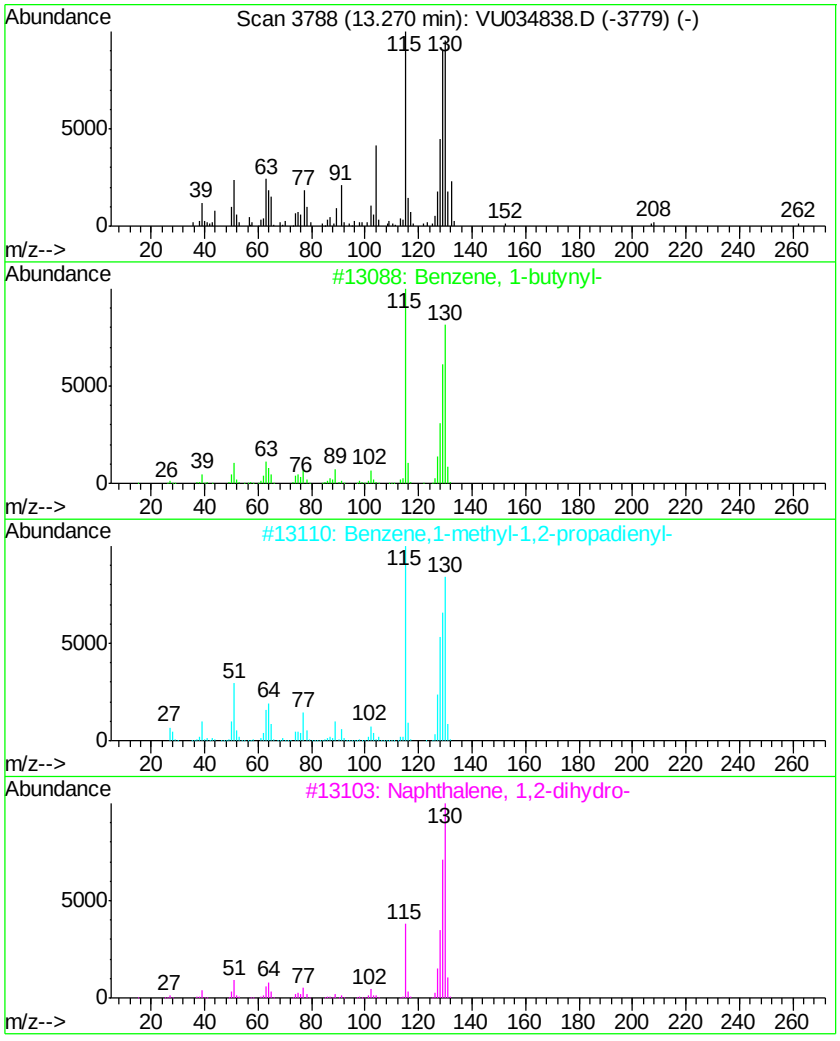
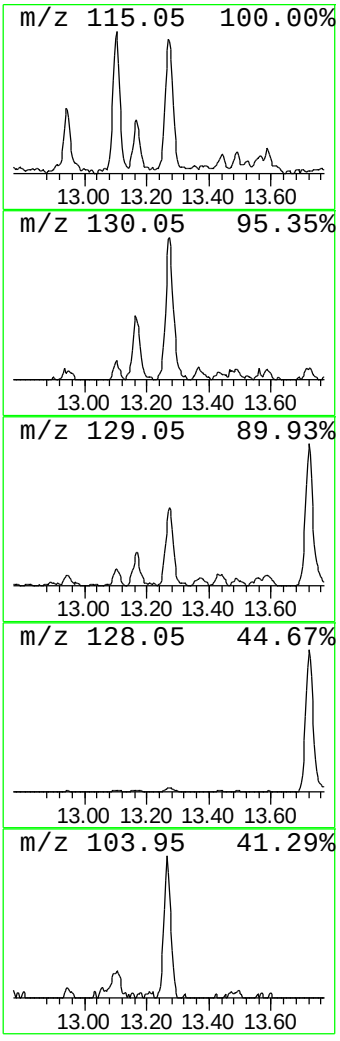
Peak Number 25 Benzene, 1-butynyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.89 ug/L	103689	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	86
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	86
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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

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

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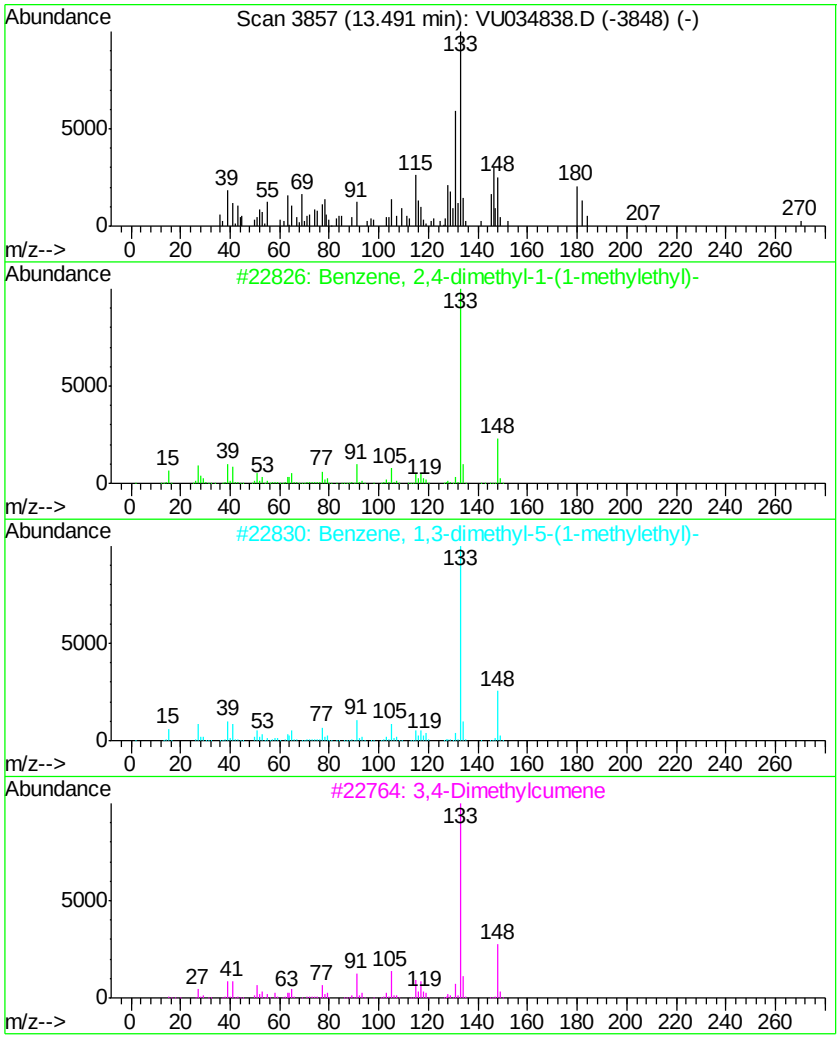
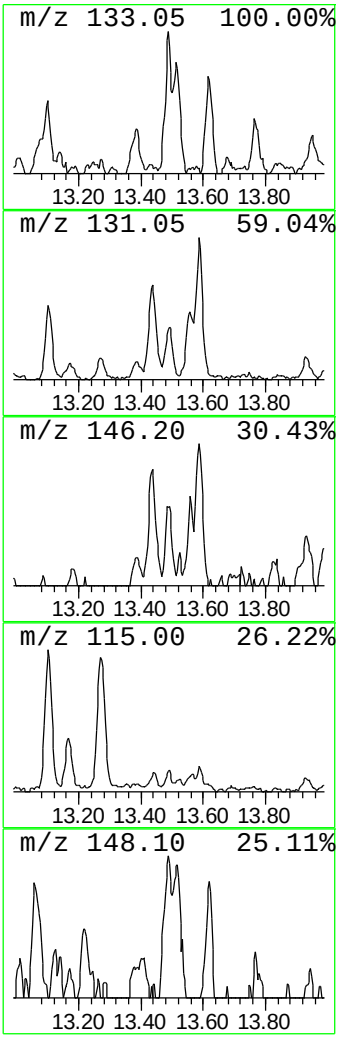
Peak Number 26 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	2.88 ug/L	76867	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	50
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	45
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	45
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	45
5	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092619\
Data File : VU034838.D
Acq On : 26 Sep 2019 12:01
Operator : JC/SP
Sample : K4983-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL5

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
Propanal, 2-methyl-	3.17	2.6	ug/L	58369	1	5.86	1106570	50.0
Butanal	3.97	3.1	ug/L	68809	1	5.86	1106570	50.0
Isopropyl acetate	5.53	7.7	ug/L	169250	1	5.86	1106570	50.0
n-Propyl acetate	6.68	141.6	ug/L	3133330	1	5.86	1106570	50.0
Propanoic acid, 1...	7.40	14.6	ug/L	322983	1	5.86	1106570	50.0
Propanoic acid, 2...	8.13	13.6	ug/L	429583	2	9.07	1574440	50.0
Propanoic acid, p...	8.40	25.2	ug/L	794236	2	9.07	1574440	50.0
Butanoic acid, 1-...	8.88	26.3	ug/L	829465	2	9.07	1574440	50.0
Benzene, propyl-	10.57	5.3	ug/L	140107	3	11.46	1334440	50.0
Benzene, 1-ethyl-...	10.66	4.7	ug/L	125407	3	11.46	1334440	50.0
Benzene, 1,2,3-tr...	10.75	3.2	ug/L	85105	3	11.46	1334440	50.0
Benzene, 1-ethyl-...	10.95	7.9	ug/L	212012	3	11.46	1334440	50.0
Dibutoxymethane	11.69	6.2	ug/L	165982	3	11.46	1334440	50.0
Indane	11.74	8.9	ug/L	237919	3	11.46	1334440	50.0
2-Methylphenylace...	11.96	3.0	ug/L	81266	3	11.46	1334440	50.0
Indan, 1-methyl-	12.33	4.6	ug/L	121685	3	11.46	1334440	50.0
Benzene, 1,2,4,5-...	12.63	4.2	ug/L	113233	3	11.46	1334440	50.0
Benzene, 1,2,3,4-...	12.68	7.2	ug/L	193212	3	11.46	1334440	50.0
Benzene, 2-etheny...	12.94	2.6	ug/L	69578	3	11.46	1334440	50.0
Benzene, 1-butynyl-	13.27	3.9	ug/L	103689	3	11.46	1334440	50.0
Benzene, 2,4-dime...	13.49	2.9	ug/L	76867	3	11.46	1334440	50.0