LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

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\SOMULM100119WMA.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	1.180	22	28	41	rBV	9908	12959	0.60%	0.061%
2	1.396	86	95	105	rBV	167428	172368	7.93%	0.806%
3	1.466	110	117	127	rBV	82400	90758	4.17%	0.424%
4	1.547	135	142	158	rVB4	13127	19715	0.91%	0.092%
5	1.672	174	181	197	rVB	137352	173544	7.98%	0.812%
6	2.260	351	364	372	rBV	265034	408371	18.78%	1.910%
7	2.309	372	379	403	rVB	106074	173820	7.99%	0.813%
8	2.431	411	417	420	rBV4	1940	2457	0.11%	0.011%
9	2.604	462	471	472	rBV5	2166	2466	0.11%	0.012%
10	2.685	485	496	515	rVB	85171	154900	7.12%	0.724%
11	2.820	525	538	552	rBV2	12744	26766	1.23%	0.125%
12	3.167	631	646	666	rBV	23811	53785	2.47%	0.252%
13	3.402	712	719	724	rBV5	1146	1684	0.08%	0.008%
14	3.550	759	765	775	rVV5	1965	3994	0.18%	0.019%
15	3.984	884	900	909	rBV5	2341	6432	0.30%	0.030%
16	4.151	939	952	974	rVV	157416	428574	19.71%	2.004%
17	4.244	975	981	1011	rVB2	22860	68201	3.14%	0.319%
18	4.624	1081	1099	1123	rBV	229860	552441	25.40%	2.583%
19	4.965	1196	1205	1207	rBV7	1978	2389	0.11%	0.011%
20	5.318	1292	1315	1352	rBV2	466064	1438296	66.14%	6.726%
21	5.530	1369	1381	1408	rVB2	56393	125955	5.79%	0.589%
22	5.865	1469	1485	1502	rBV	470242	995734	45.79%	4.657%
23	6.309	1609	1623	1641	rBV	329074	660257	30.36%	3.088%
24	6.399	1642	1651	1663	rVB5	16005	35348	1.63%	0.165%
25	6.518	1680	1688	1694	rBV4	6082	10854	0.50%	0.051%
26	6.563	1695	1702	1705	rBV	8693	12009	0.55%	0.056%
27	6.685	1727	1740	1778	rBV	1194175	2174730	100.00%	10.170%
28	7.206	1889	1902	1922	rBV	180323	332127	15.27%	1.553%
29	7.398	1952	1962	1975	rBV	147563	255801	11.76%	1.196%
30	7.543	1994	2007	2026	rBV	632101	1141208	52.48%	5.337%
31	7.762	2071	2075	2082	rVB5	2392	2671	0.12%	0.012%
32	7.829	2085	2096	2122	rBV	155879	291358	13.40%	1.363%
33	8.135	2177	2191	2208	rBV	260954	432317	19.88%	2.022%
34	8.215	2208	2216	2218	rVV3	17206	24217	1.11%	0.113%

LSC Area Percent Report

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Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

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\SOMULM100119WMA.M
Title : VOC Analysis

35	8.241	2219	2224	2230	rVV3	34883	54453	2.50%	0.255%
36	8.289	2230	2239	2262	rVV	595212	1092062	50.22%	5.107%
37	8.395	2262	2272	2300	rVV	446951	753988	34.67%	3.526%
38	8.508	2300	2307	2327	rVB	19422	39425	1.81%	0.184%
39	8.884	2408	2424	2460	rBV	533128	858144	39.46%	4.013%
40	9.067	2460	2481	2524	rVB	683736	1192188	54.82%	5.575%
41	9.231	2524	2532	2541	rBV2	7552	11285	0.52%	0.053%
42	9.353	2554	2570	2589	rBV	261942	448777	20.64%	2.099%
43	9.585	2632	2642	2656	rBV3	11995	22489	1.03%	0.105%
44	9.755	2682	2695	2726	rBV2	228681	409367	18.82%	1.914%
45	9.916	2737	2745	2746	rBV6	2994	3514	0.16%	0.016%
46	10.016	2769	2776	2777	rBV4	3192	3020	0.14%	0.014%
47	10.144	2801	2816	2829	rBV2	45731	73872	3.40%	0.345%
48	10.408	2886	2898	2917	rBV	457629	740767	34.06%	3.464%
49	10.566	2934	2947	2964	rBV	71852	117656	5.41%	0.550%
50	10.659	2964	2976	2982	rBV	82901	144112	6.63%	0.674%
51	10.749	2995	3004	3014	rBV2	56872	85723	3.94%	0.401%
52	10.897	3041	3050	3056	rBV5	5117	8119	0.37%	0.038%
53	10.948	3056	3066	3087	rVB	93872	153470	7.06%	0.718%
54	11.125	3110	3121	3138	rVV	460371	704751	32.41%	3.296%
55	11.225	3146	3152	3158	rVB3	5323	6876	0.32%	0.032%
56	11.270	3161	3166	3170	rBV2	2585	3576	0.16%	0.017%
57	11.299	3170	3175	3184	rVB3	11984	16878	0.78%	0.079%
58	11.366	3188	3196	3198	rBV6	1875	2201	0.10%	0.010%
59	11.402	3199	3207	3214	rBV6	10691	15166	0.70%	0.071%
60	11.459	3214	3225	3242	rBV	623723	1028802	47.31%	4.811%
61	11.546	3242	3252	3267	rVB	188670	296697	13.64%	1.388%
62	11.665	3280	3289	3295	rBV6	3245	5457	0.25%	0.026%
63	11.742	3302	3313	3325	rBV	188554	320169	14.72%	1.497%
64	11.836	3331	3342	3369	rVB	632631	1146158	52.70%	5.360%
65	11.958	3373	3380	3388	rVB4	7840	10476	0.48%	0.049%
66	12.032	3396	3403	3413	rVB	14715	22675	1.04%	0.106%
67	12.125	3423	3432	3437	rBV2	39636	63168	2.90%	0.295%
68	12.231	3454	3465	3472	rBV	56387	90636	4.17%	0.424%
69	12.331	3486	3496	3518	rVB2	44546	93430	4.30%	0.437%
70	12.469	3535	3539	3545	rVB8	2259	2872	0.13%	0.013%
71	12.530	3547	3558	3568	rBV5	20725	33483	1.54%	0.157%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

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\SOMULM100119WMA.M
Title : VOC Analysis

72	12.594	3569	3578	3581	rBV4	8632	12085	0.56%	0.057%
73	12.630	3581	3589	3597	rVV	41337	65736	3.02%	0.307%
74	12.681	3597	3605	3619	rVB	60259	97177	4.47%	0.454%
75	12.762	3625	3630	3639	rBV9	3617	5448	0.25%	0.025%
76	12.877	3657	3666	3671	rBV10	4302	7064	0.32%	0.033%
77	12.945	3678	3687	3699	rVB	36724	57177	2.63%	0.267%
78	13.102	3717	3736	3750	rBV3	113416	204891	9.42%	0.958%
79	13.215	3767	3771	3779	rBV6	1891	2677	0.12%	0.013%
80	13.273	3780	3789	3799	rVV6	18176	32275	1.48%	0.151%
81	13.379	3812	3822	3832	rBV7	16366	28477	1.31%	0.133%
82	13.437	3832	3840	3849	rVB3	9360	13860	0.64%	0.065%
83	13.488	3849	3856	3863	rBV5	13088	21607	0.99%	0.101%
84	13.556	3874	3877	3881	rBV3	2890	2649	0.12%	0.012%
85	13.588	3882	3887	3904	rVB3	10078	20995	0.97%	0.098%
86	13.723	3917	3929	3953	rBV	79002	158798	7.30%	0.743%
87	13.836	3955	3964	3972	rVB	4053	8286	0.38%	0.039%
88	13.926	3981	3992	4006	rBV	8689	19897	0.91%	0.093%
89	13.993	4009	4013	4025	rVB7	3806	5553	0.26%	0.026%
90	14.131	4048	4056	4072	rVB3	8378	14261	0.66%	0.067%
91	14.324	4103	4116	4126	rBV9	8307	21102	0.97%	0.099%
92	14.453	4146	4156	4157	rBV6	4369	5083	0.23%	0.024%
93	14.520	4167	4177	4188	rBV7	6947	12488	0.57%	0.058%
94	14.630	4204	4211	4214	rBV8	2923	3728	0.17%	0.017%
95	14.800	4257	4264	4269	rBV7	2536	3391	0.16%	0.016%
96	14.861	4273	4283	4300	rBV2	24908	51511	2.37%	0.241%
97	15.044	4328	4340	4355	rBV	59138	105923	4.87%	0.495%
98	15.736	4546	4555	4566	rBV3	11167	22090	1.02%	0.103%
99	16.051	4644	4653	4661	rBV10	4344	7501	0.34%	0.035%
100	16.723	4857	4862	4872	rVB7	4489	7332	0.34%	0.034%

Sum of corrected areas: 21383470

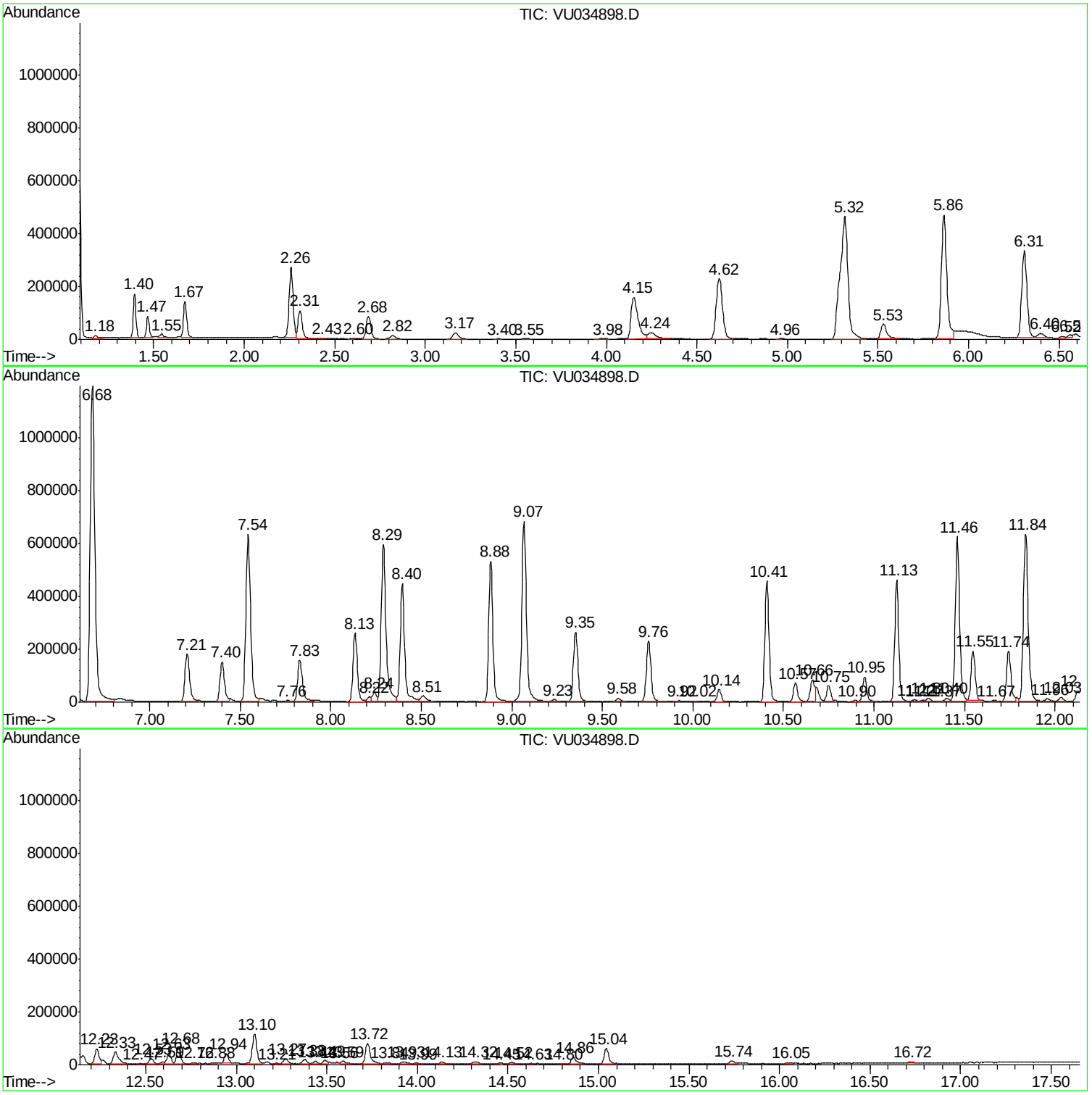
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

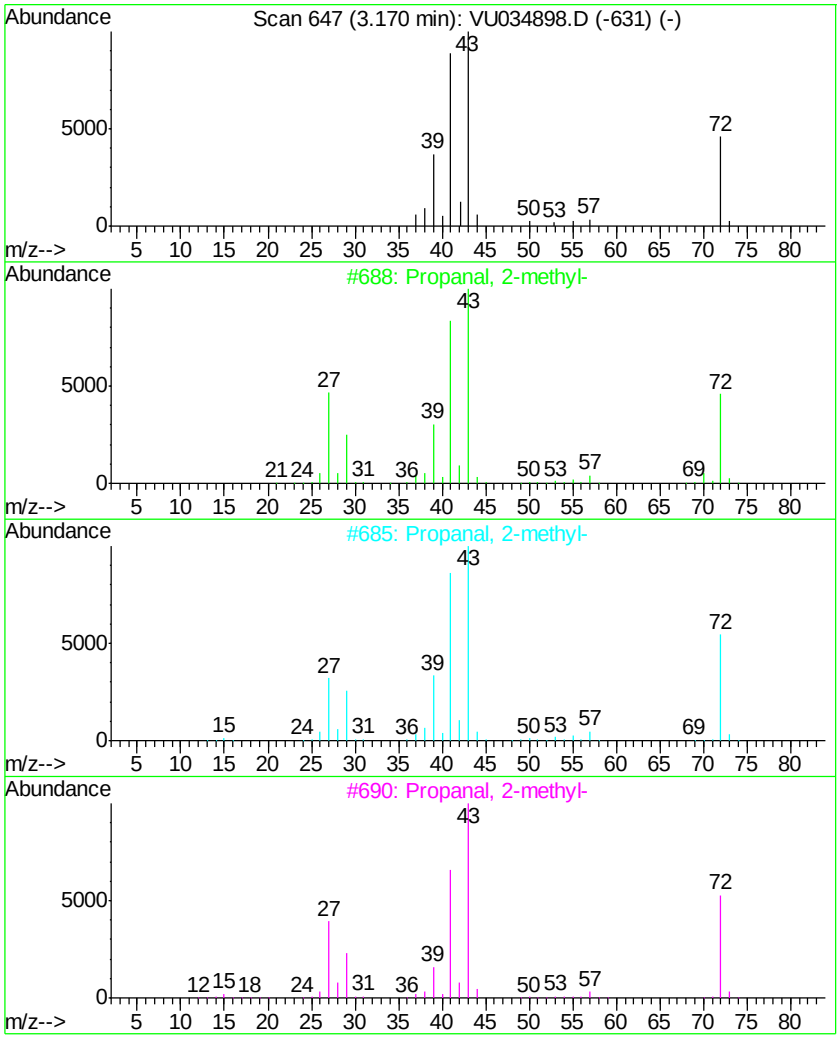
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

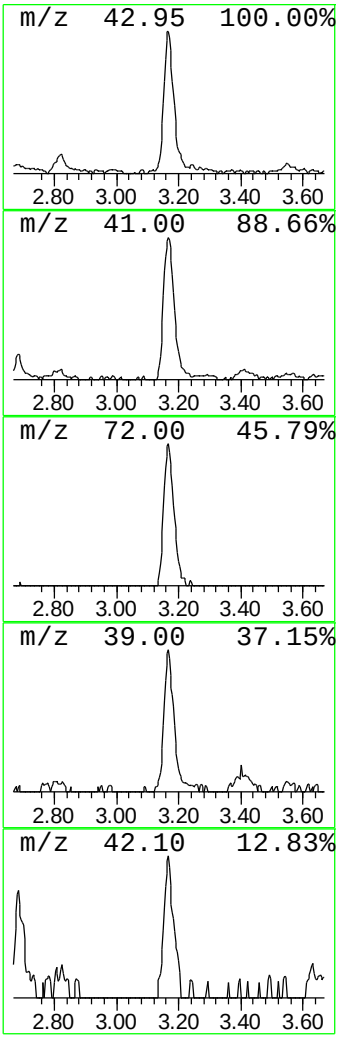
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	2.70 ug/L	53785	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	64
4	Butanal	72	C4H8O	000123-72-8	53
5	5,9-Dodecadien-2-one, 6,10-dimet...	208	C14H24O	1000132-10-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

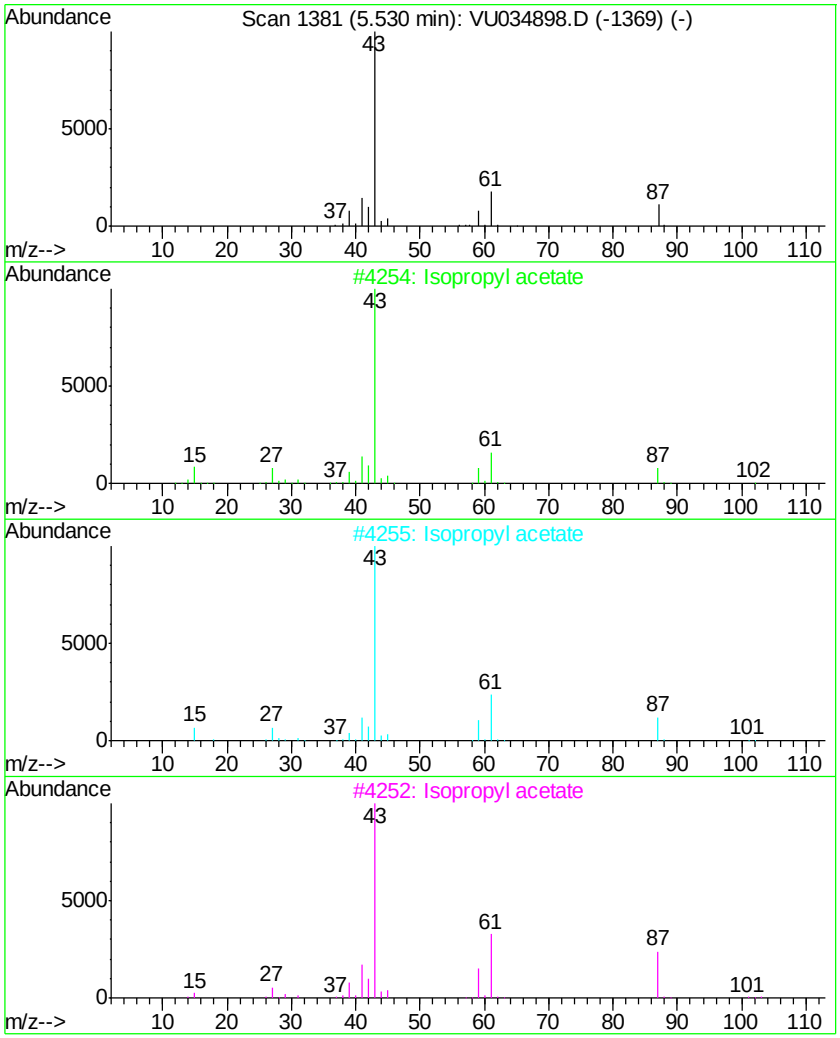
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

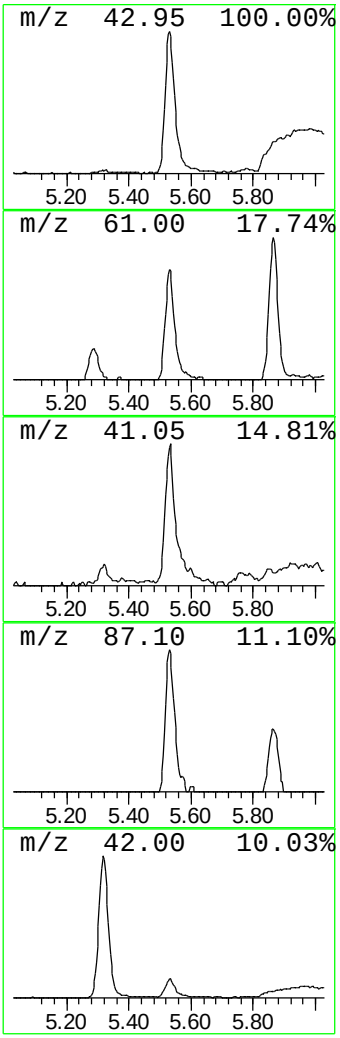
****

Peak Number 3 Isopropyl acetate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.32 ug/L	125955	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	83
2	Isopropyl acetate	102	C5H10O2	000108-21-4	83
3	Isopropyl acetate	102	C5H10O2	000108-21-4	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	64
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	16





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
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Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

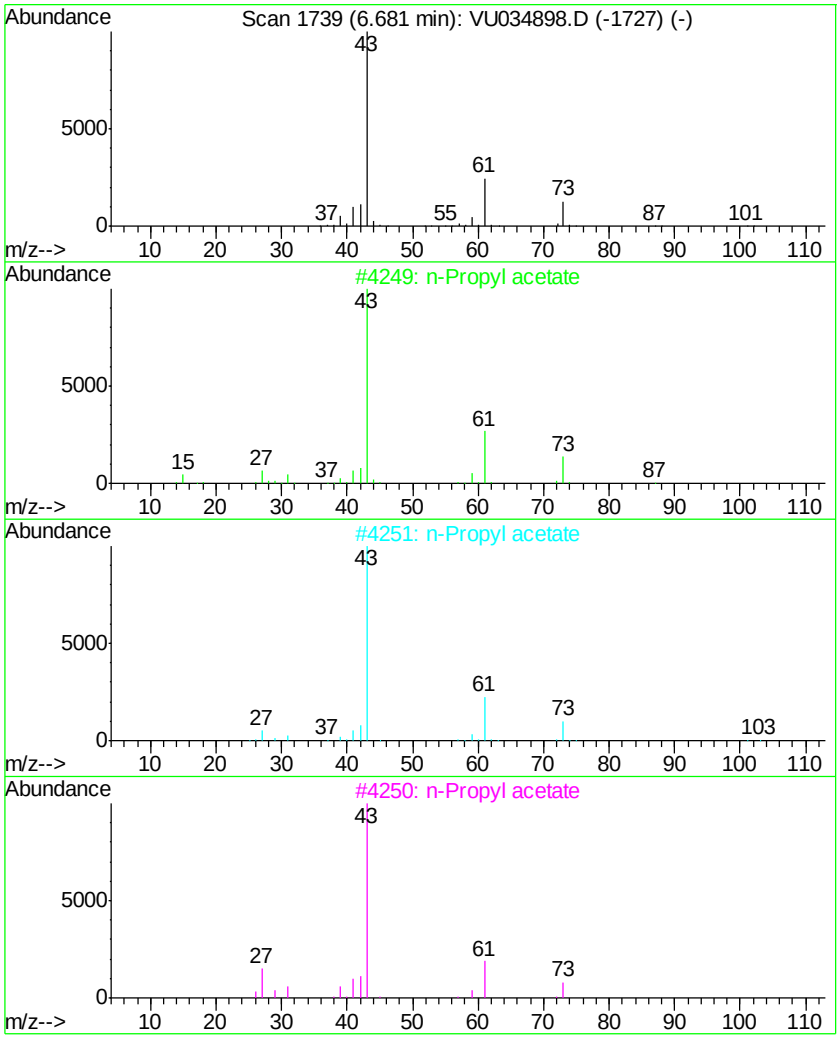
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

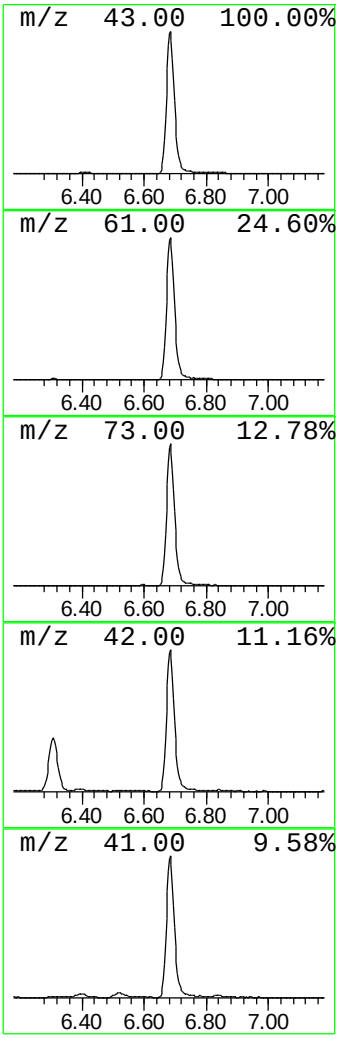
****

Peak Number 4 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	109.20 ug/L	2174730	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	Isobutyl acetate	116	C6H12O2	000110-19-0	9





Library Search Compound Report

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Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

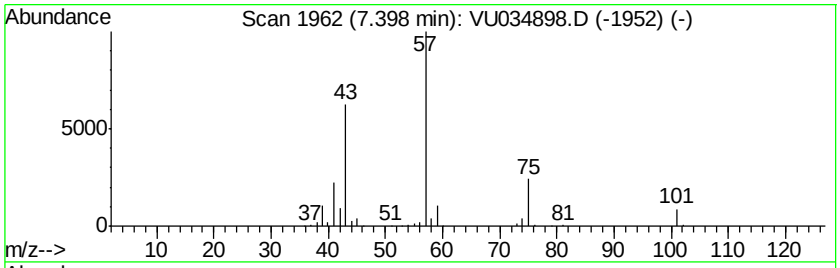
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

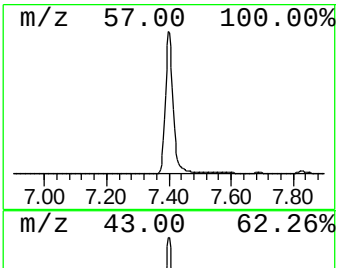
****

Peak Number 6 Propanoic acid, 1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	12.84 ug/L	255801	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	83
3	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	72
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45





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Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

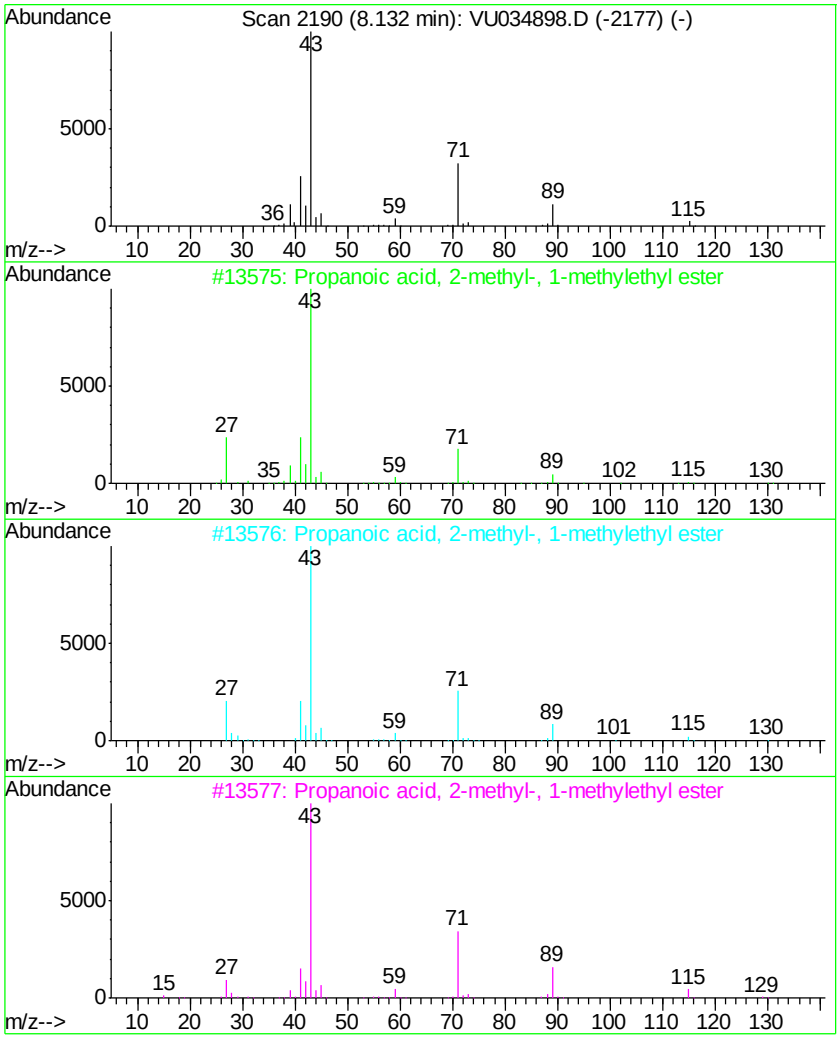
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

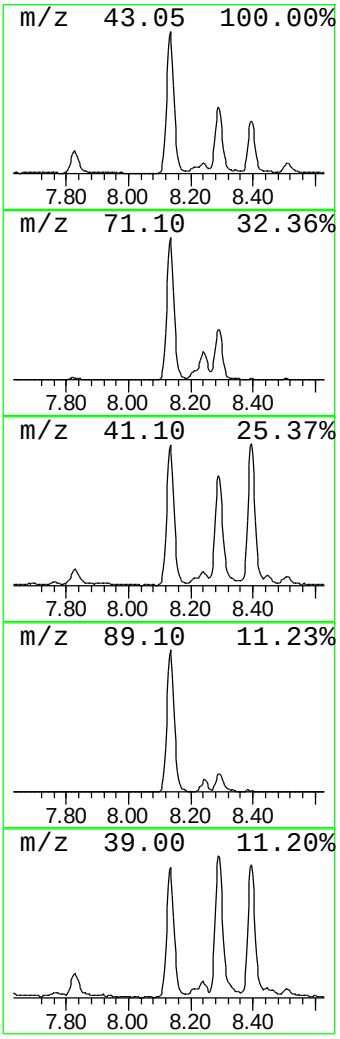
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	18.13 ug/L	432317	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	72
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
5	N-Hydroxymethylacetamide	89	C3H7NO2	000625-51-4	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

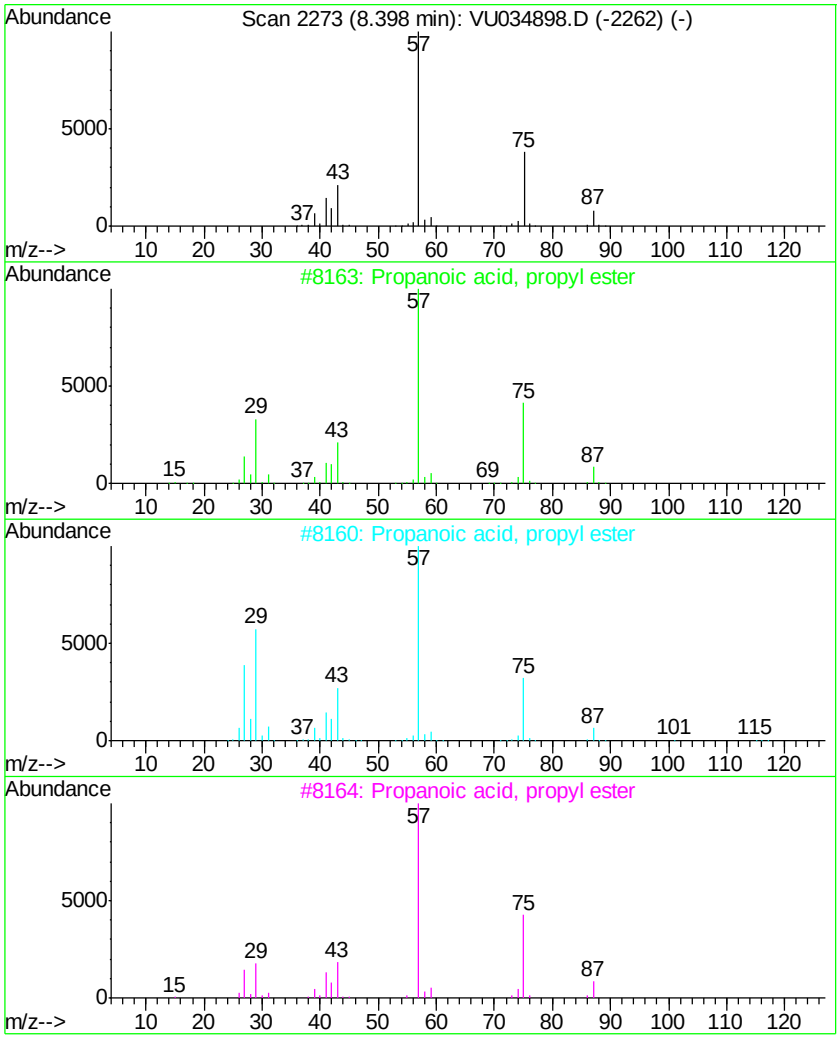
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

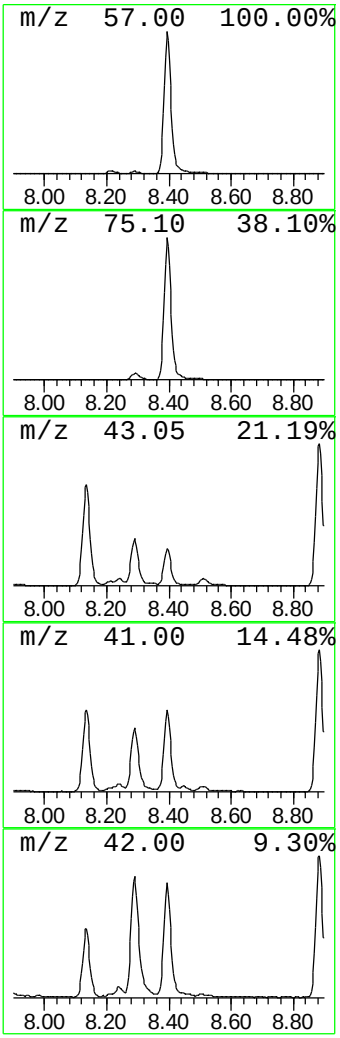
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Propanoic acid, propyl ester Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	31.62 ug/L	753988	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	74
5	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	12





Library Search Compound Report

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Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

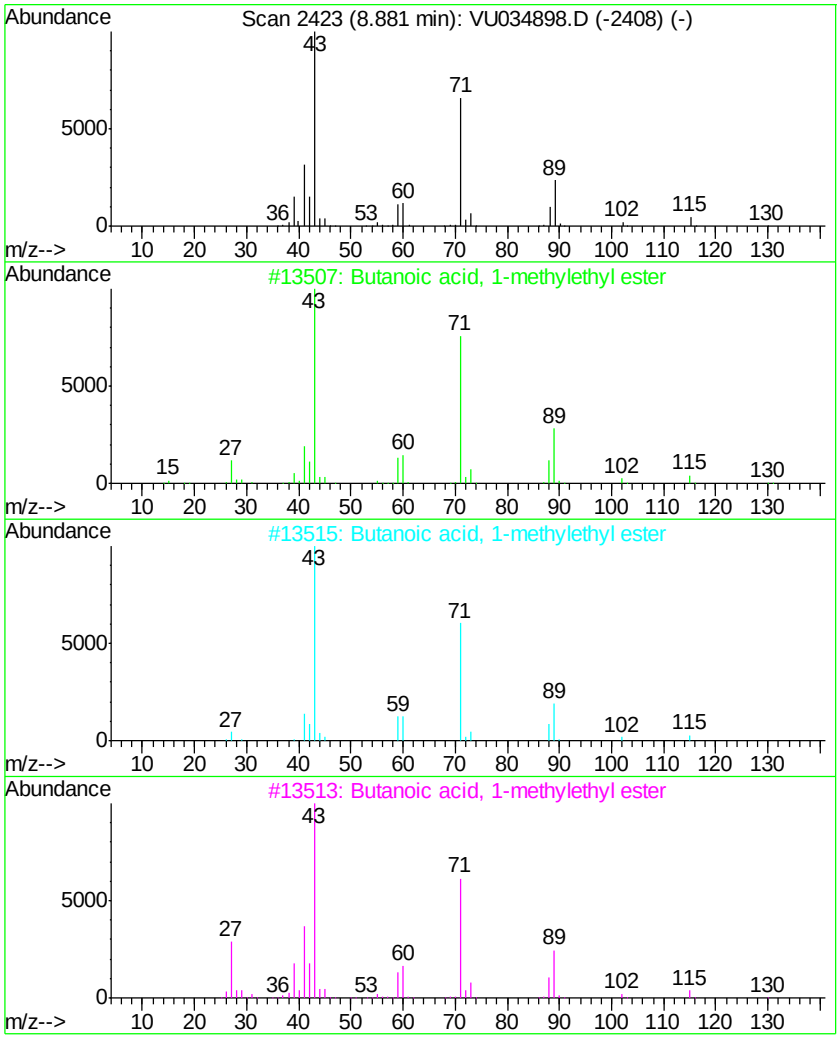
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

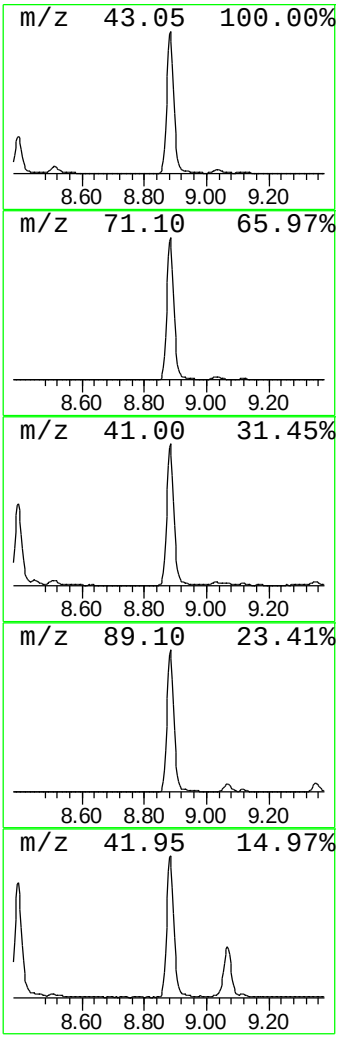
****

Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	35.99 ug/L	858144	Chlorobenzene-d5	9.07

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





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Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

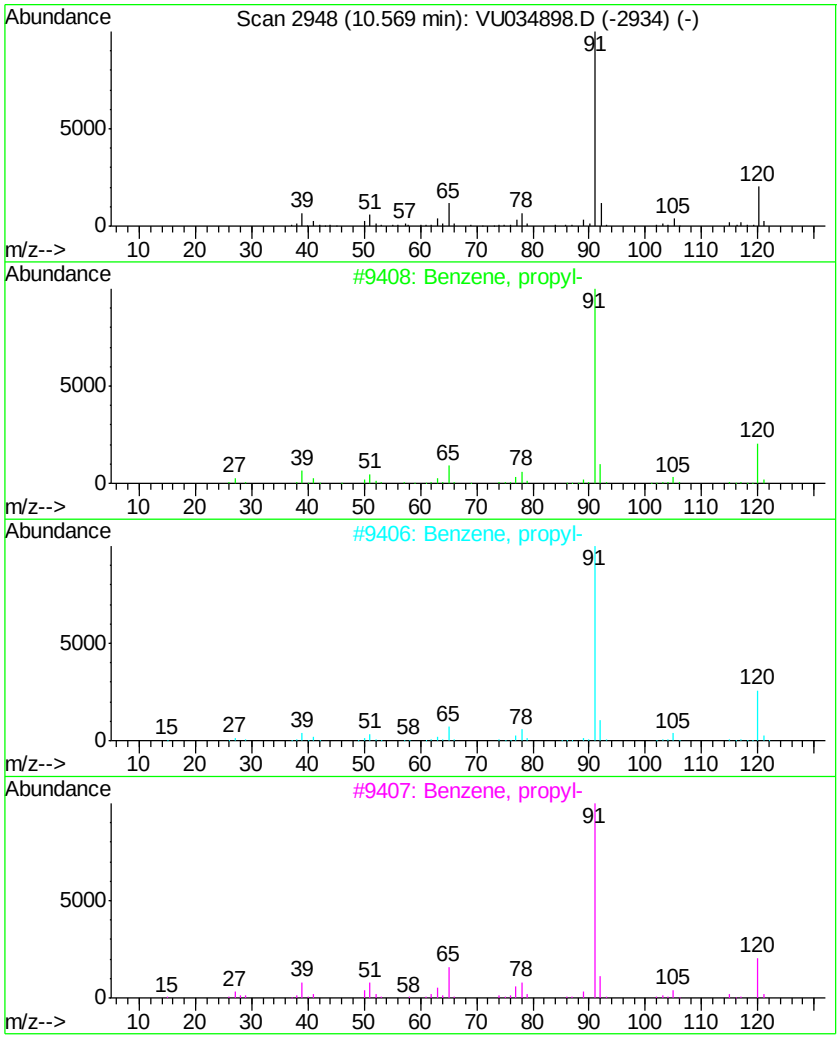
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

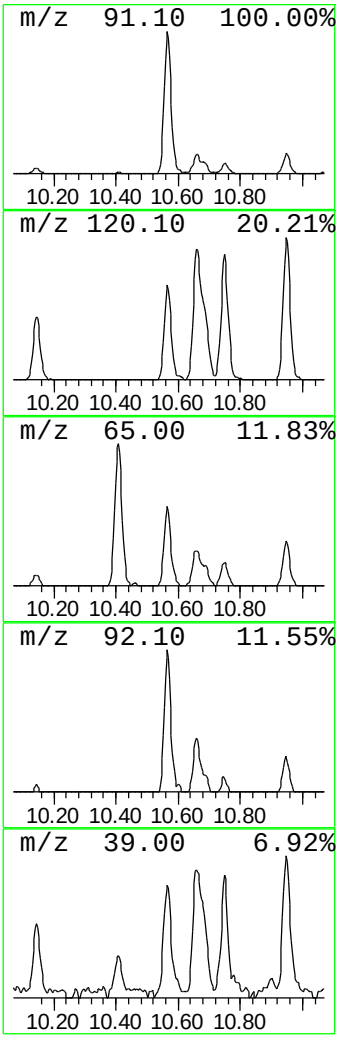
****

Peak Number 10 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	5.72 ug/L	117656	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	86
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	59





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Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

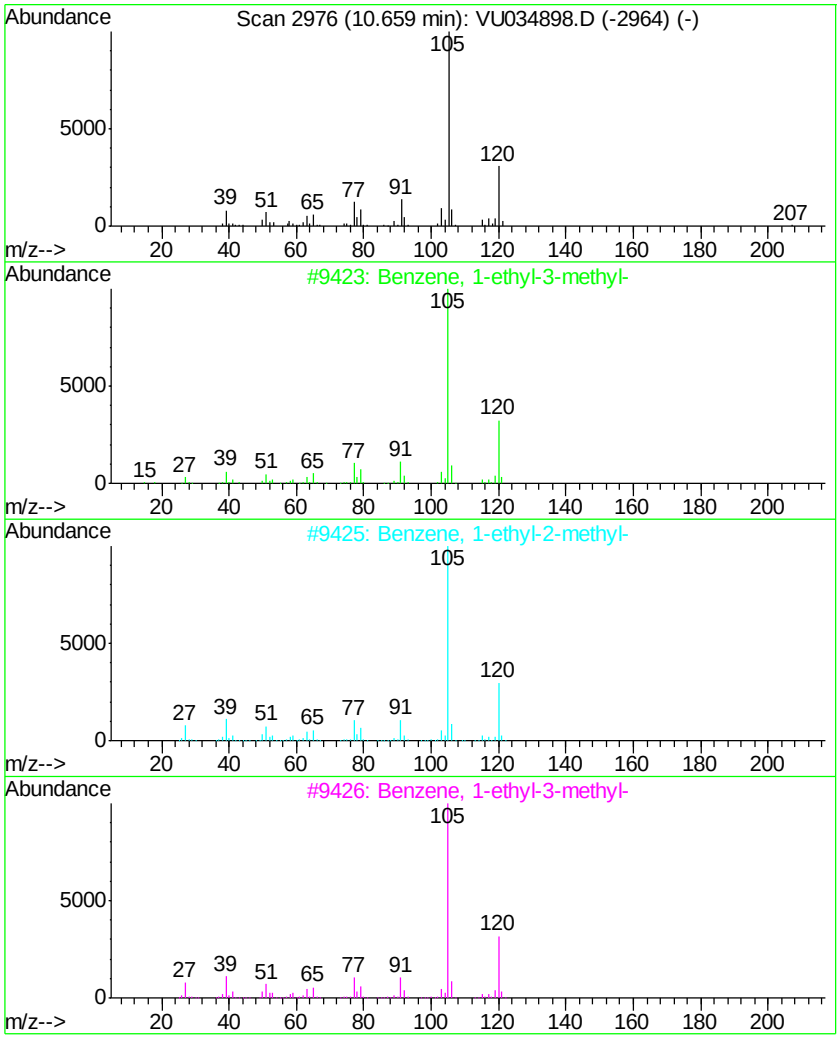
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

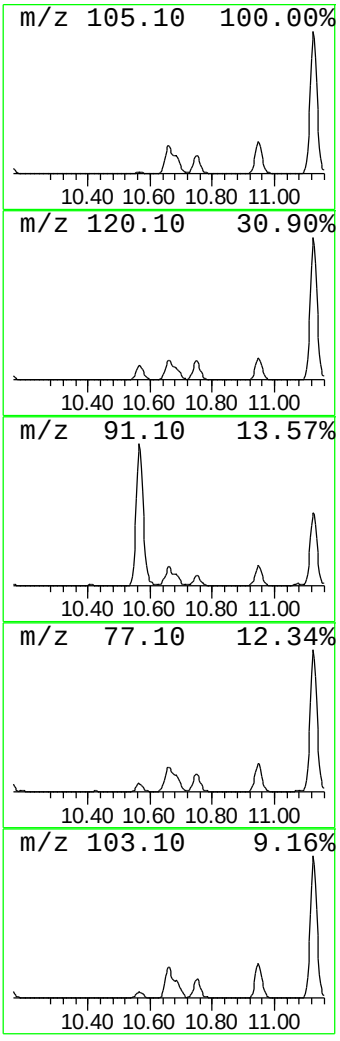
****

Peak Number 11 Benzene, 1-ethyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	7.00 ug/L	144112	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-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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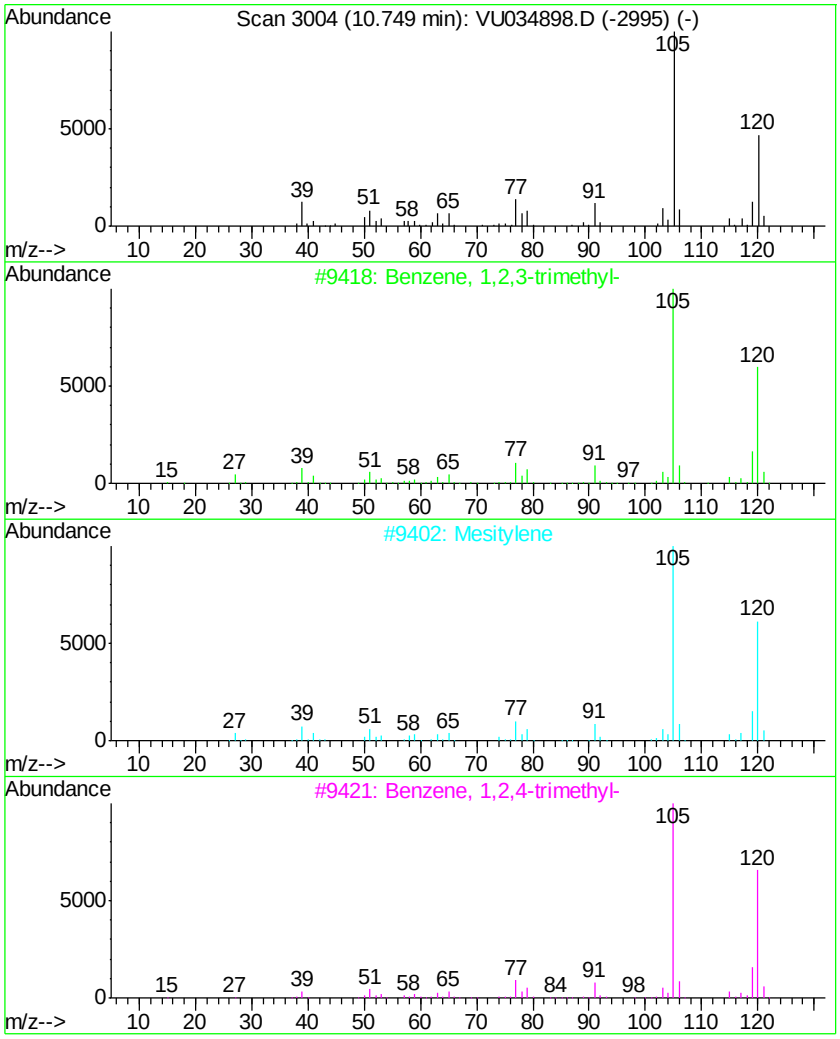
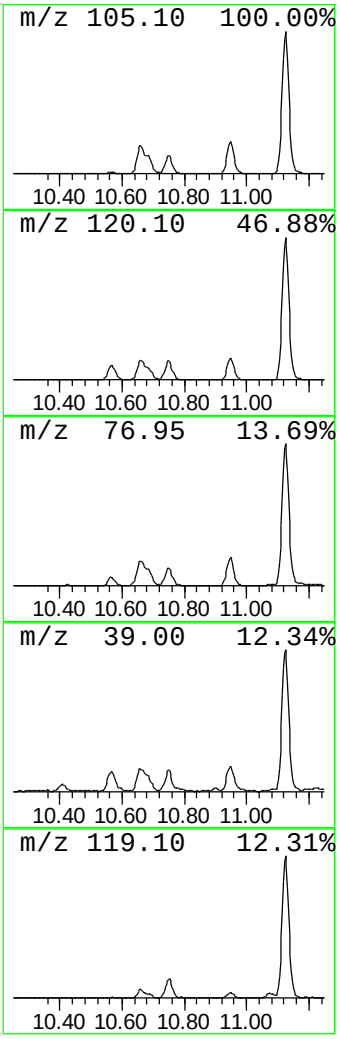
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	4.17 ug/L	85723	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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

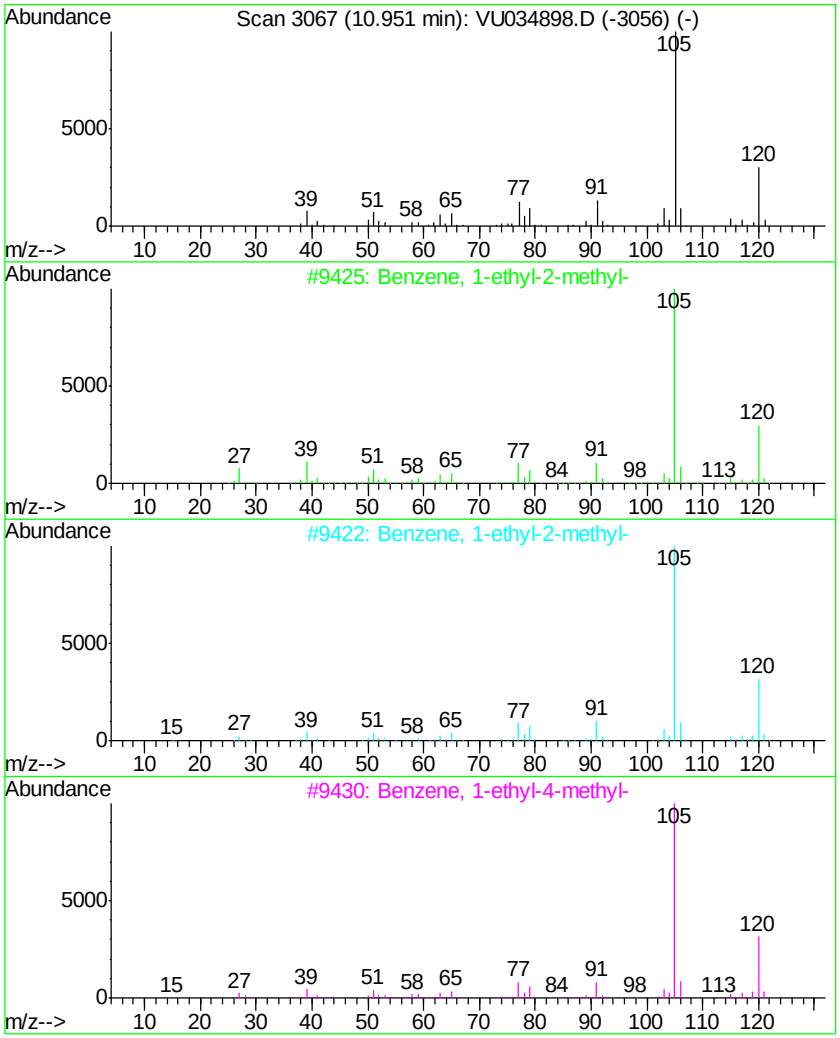
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

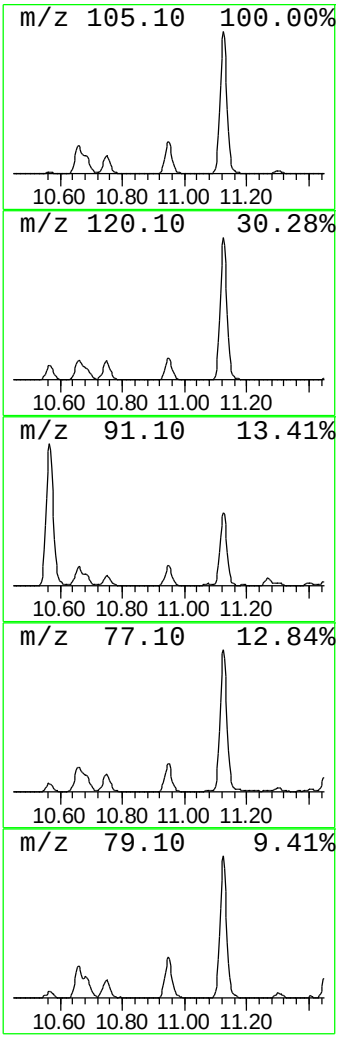
****

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	7.46 ug/L	153470	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	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

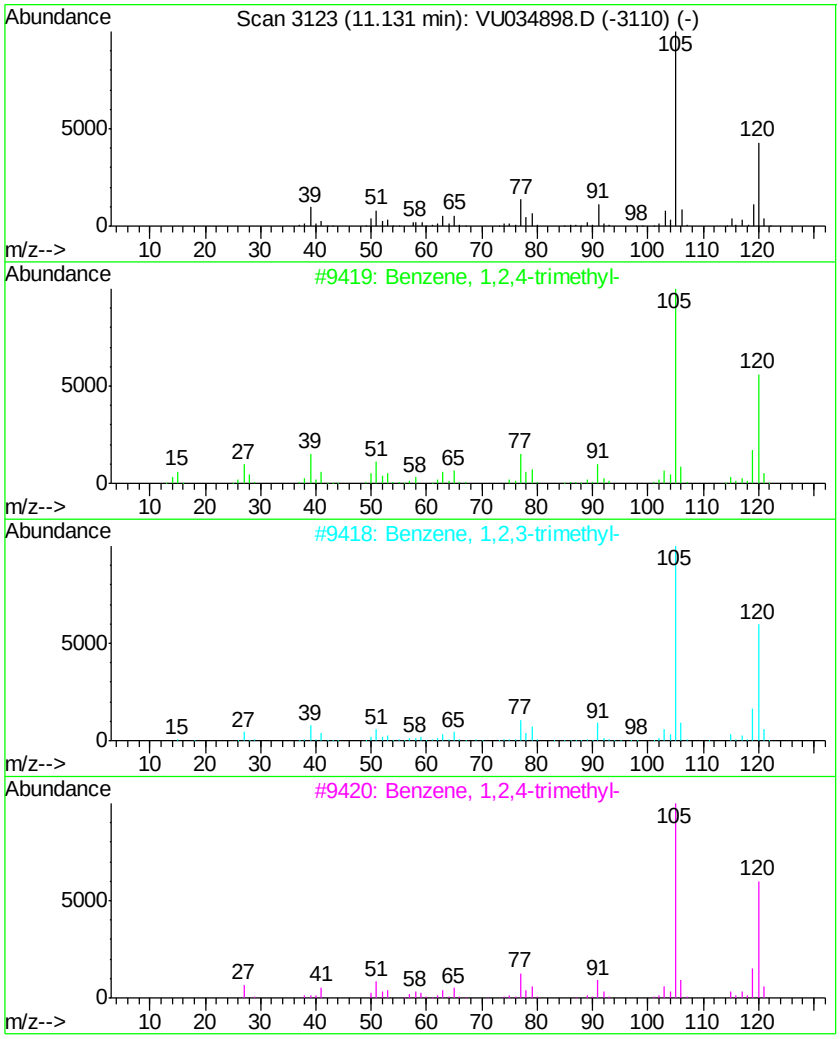
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

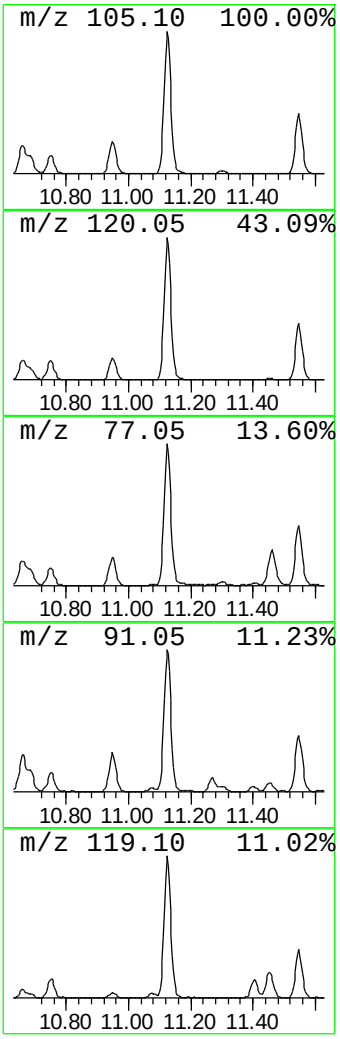
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	34.25 ug/L	704751	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

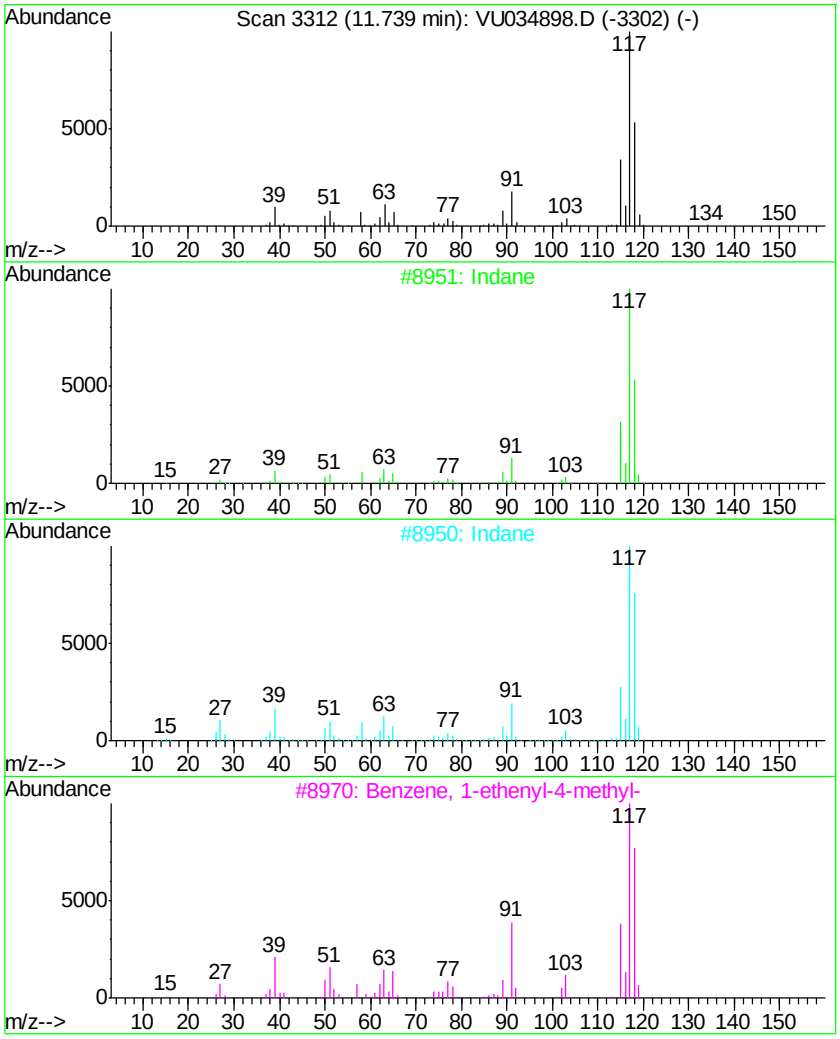
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

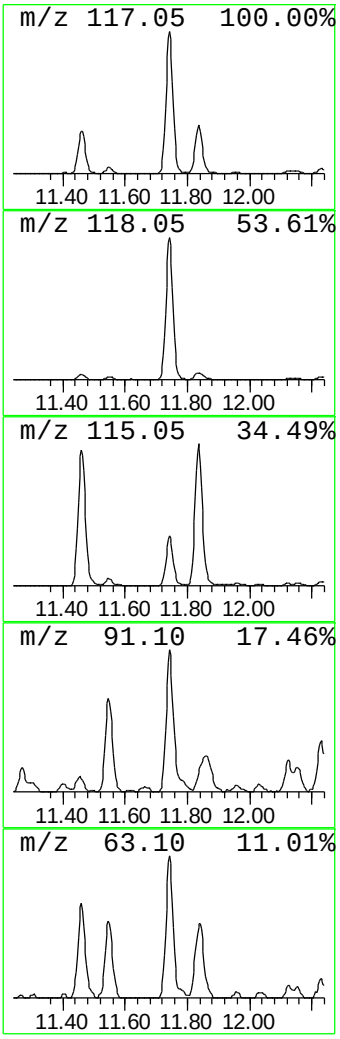
****

Peak Number 16 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	15.56 ug/L	320169	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	90
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
5	Deltacyclene	118	C9H10	007785-10-6	76





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Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

****
Peak Number 17 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.07 ug/L	63168	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	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
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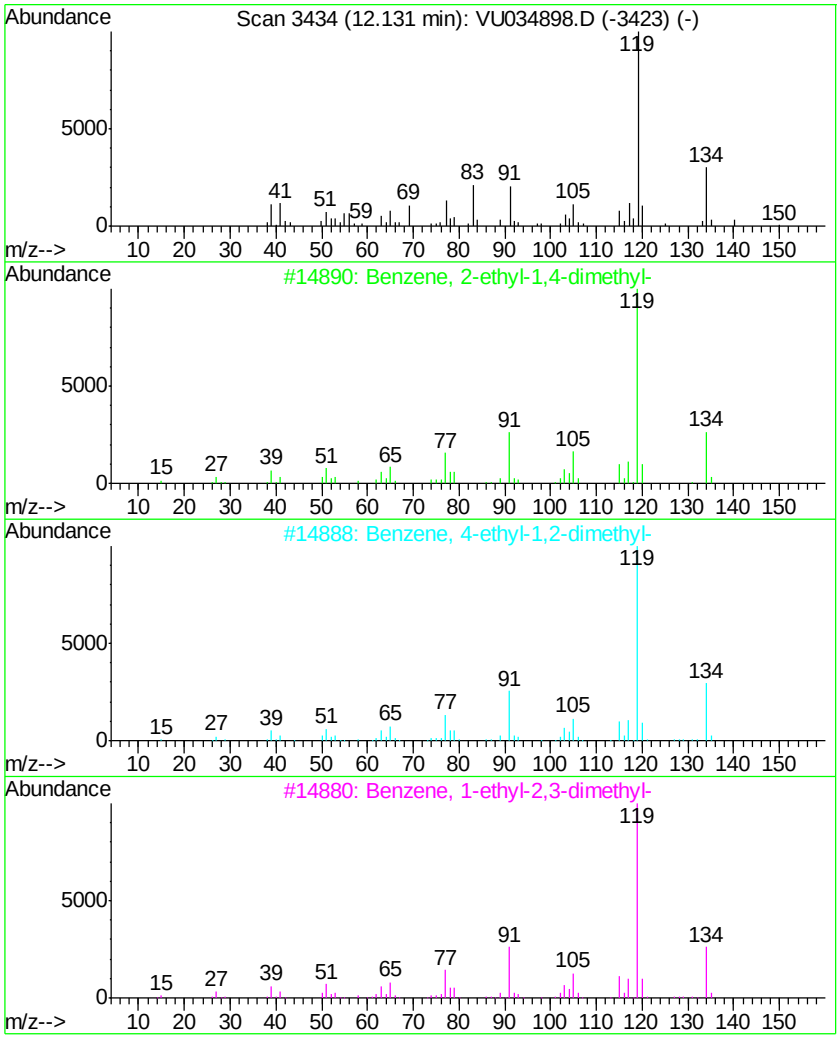

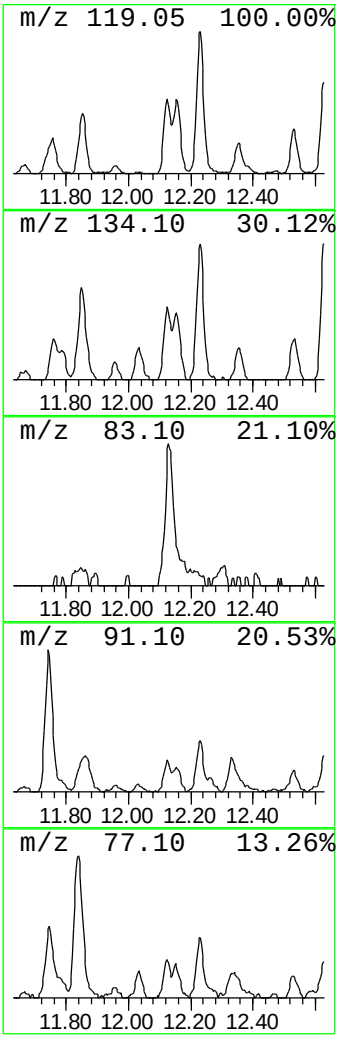

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Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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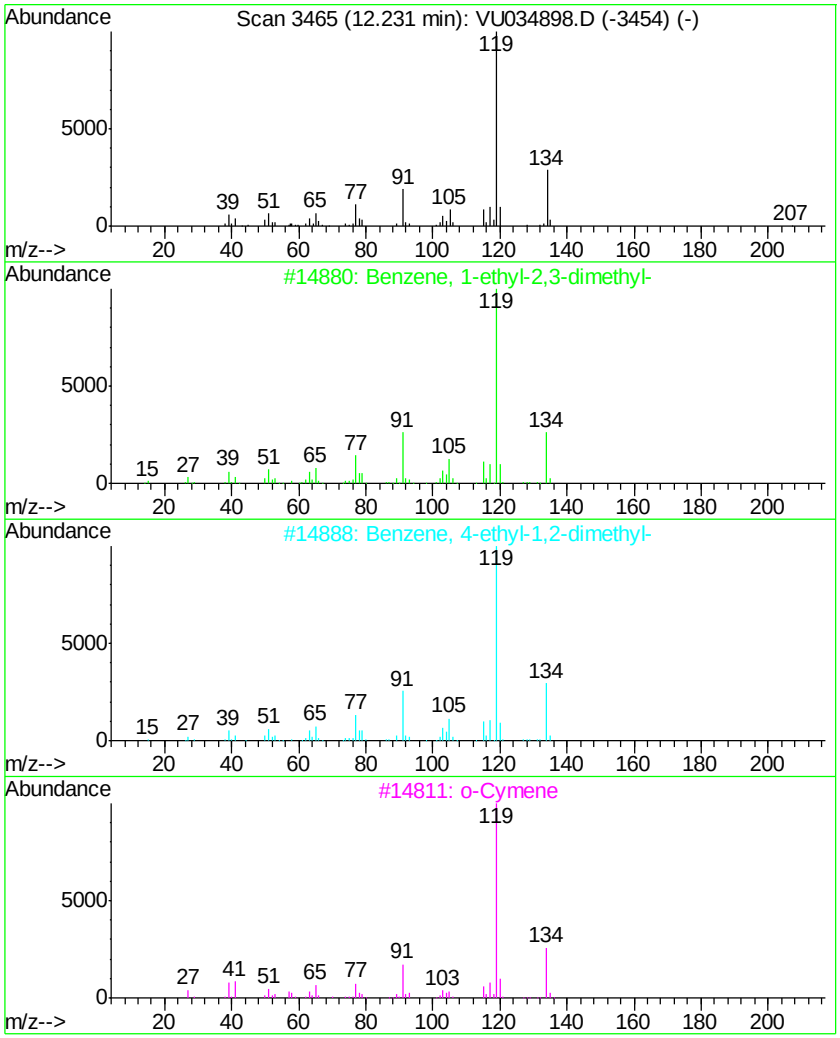
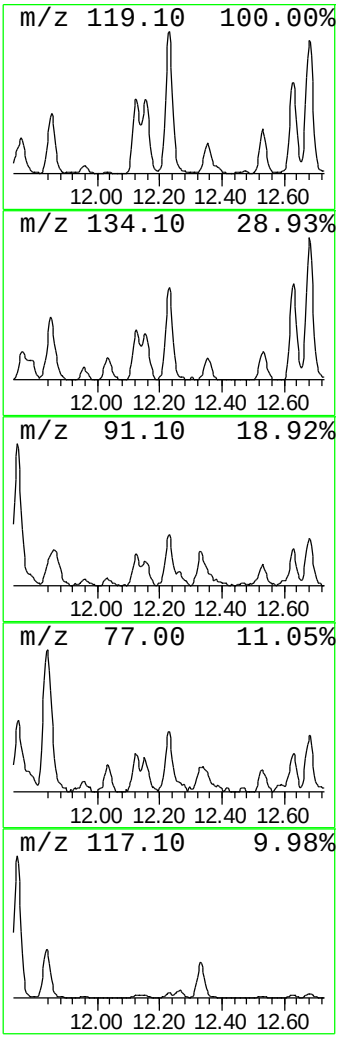
Peak Number 18 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	4.40 ug/L	90636	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





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Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

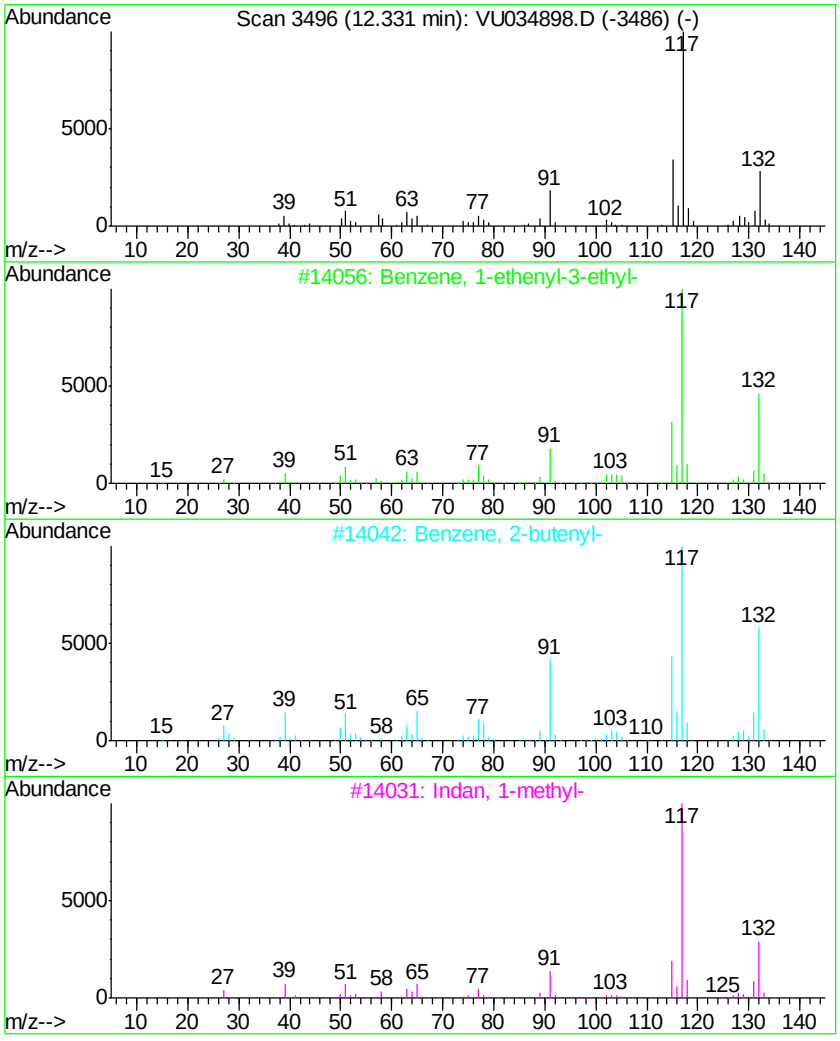
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

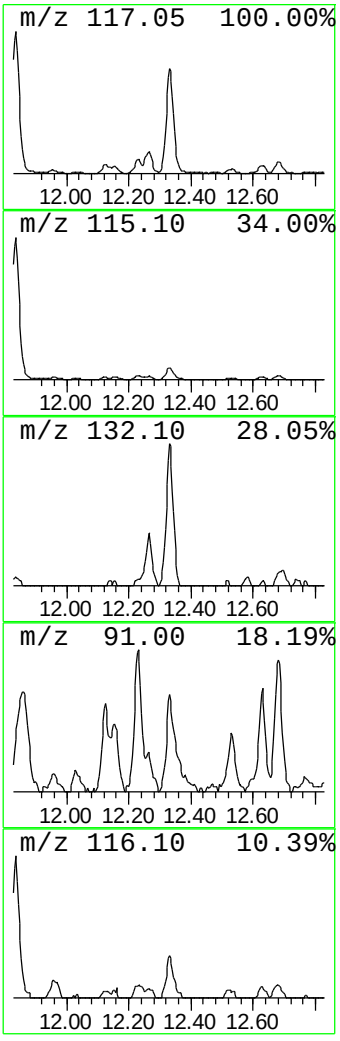
****

Peak Number 19 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	4.54 ug/L	93430	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-butenyl-	132	C10H12	001560-06-1	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	91
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





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Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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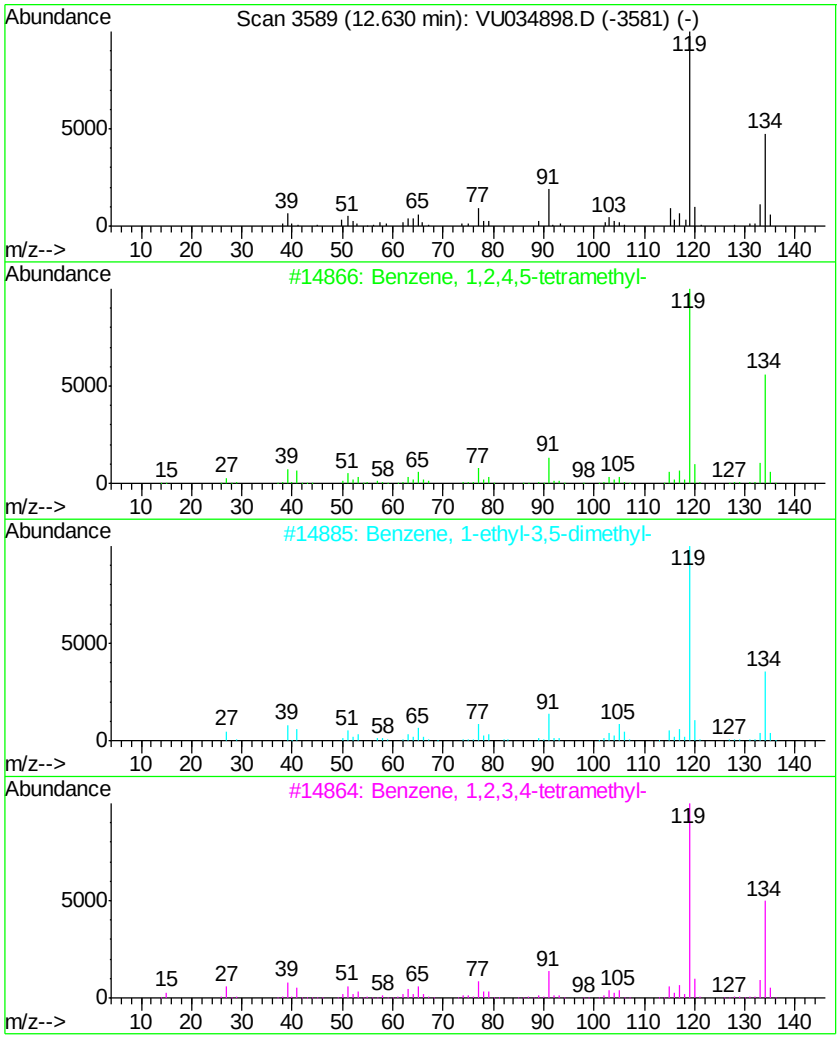
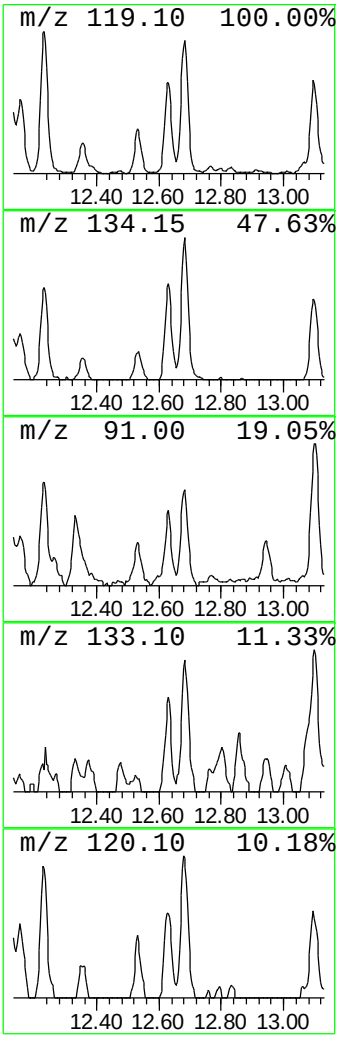
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.19 ug/L	65736	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-3,5-dimethyl-	134	C10H14	000934-74-7	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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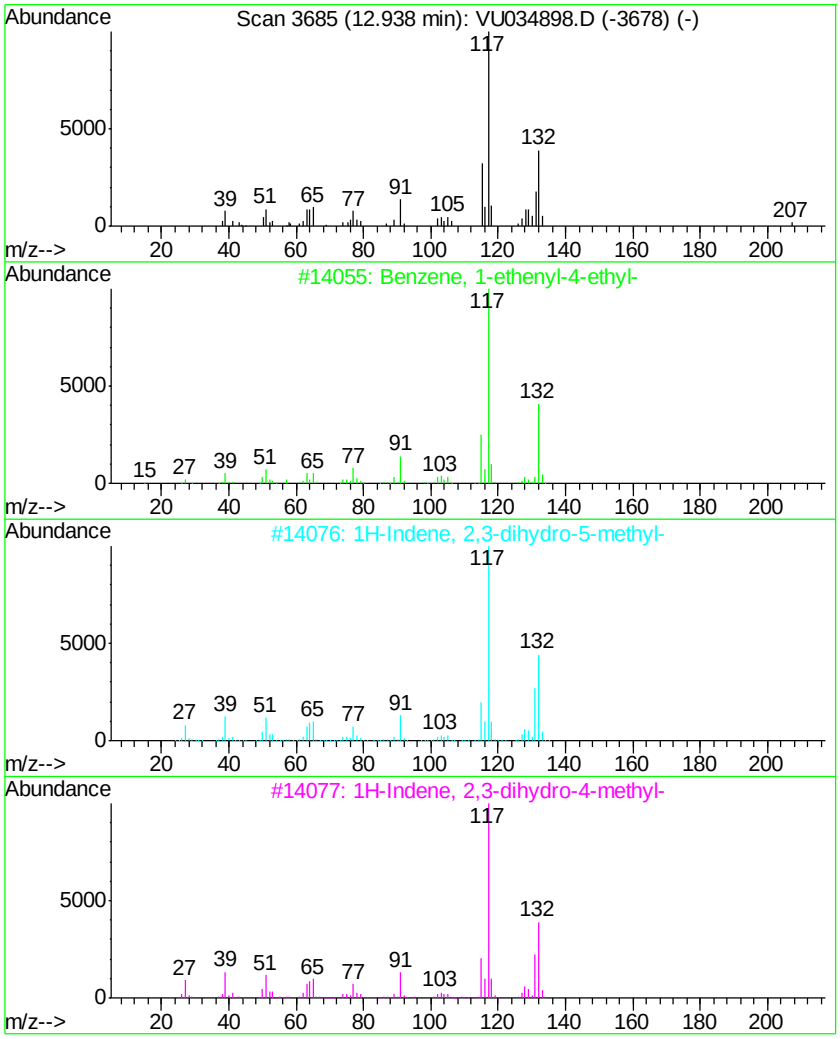
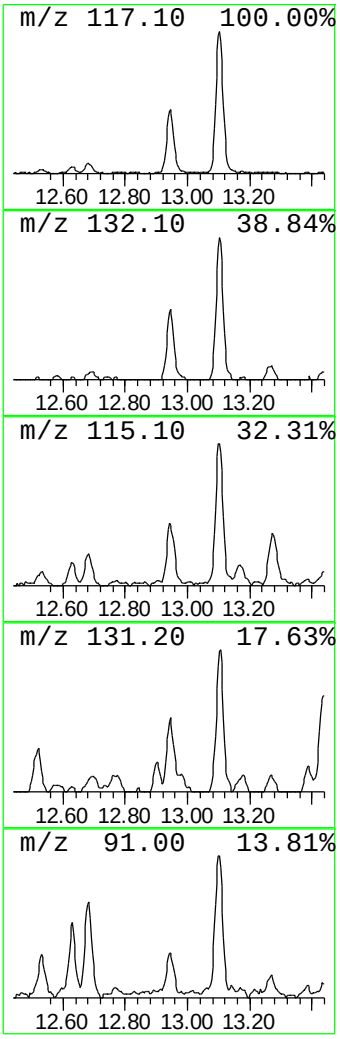
Peak Number 22 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.78 ug/L	57177	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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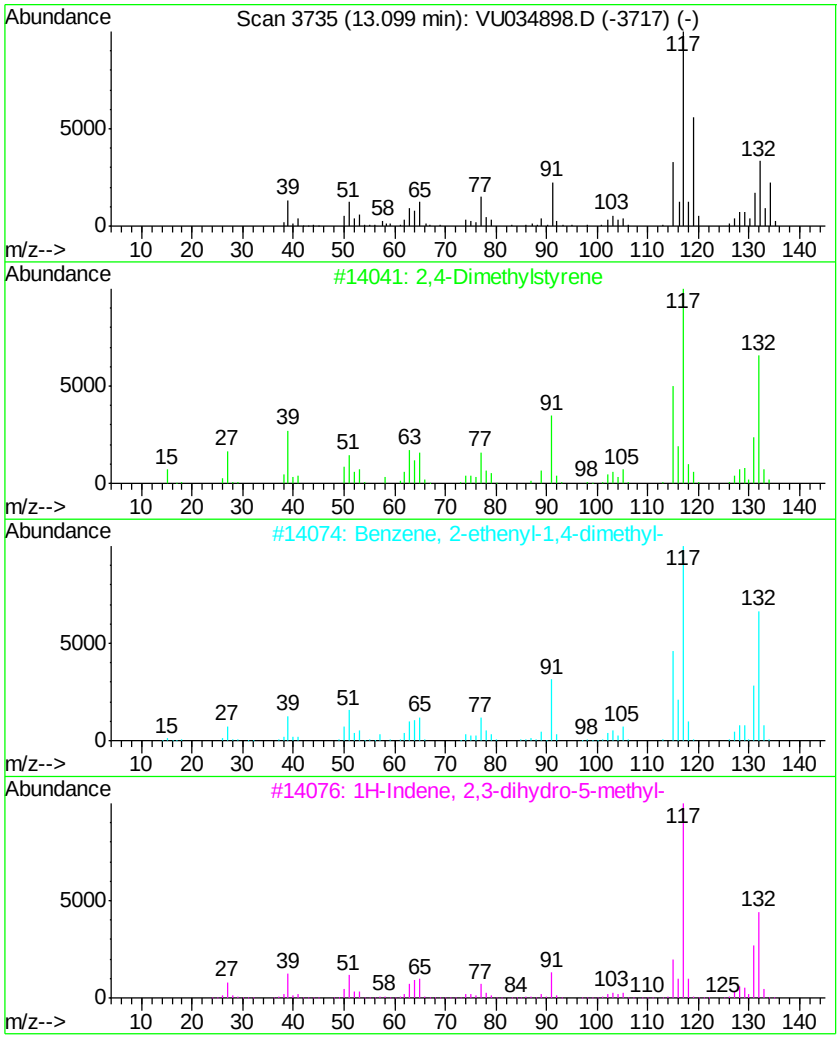
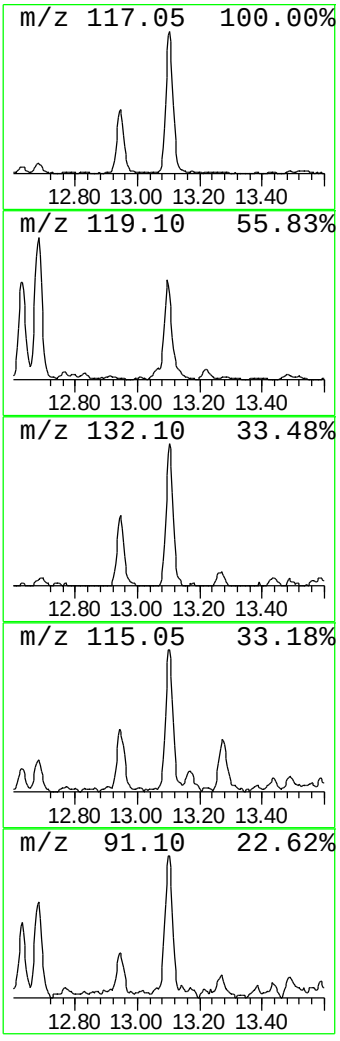
Peak Number 23 2,4-Dimethylstyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	9.96 ug/L	204891	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	62
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

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

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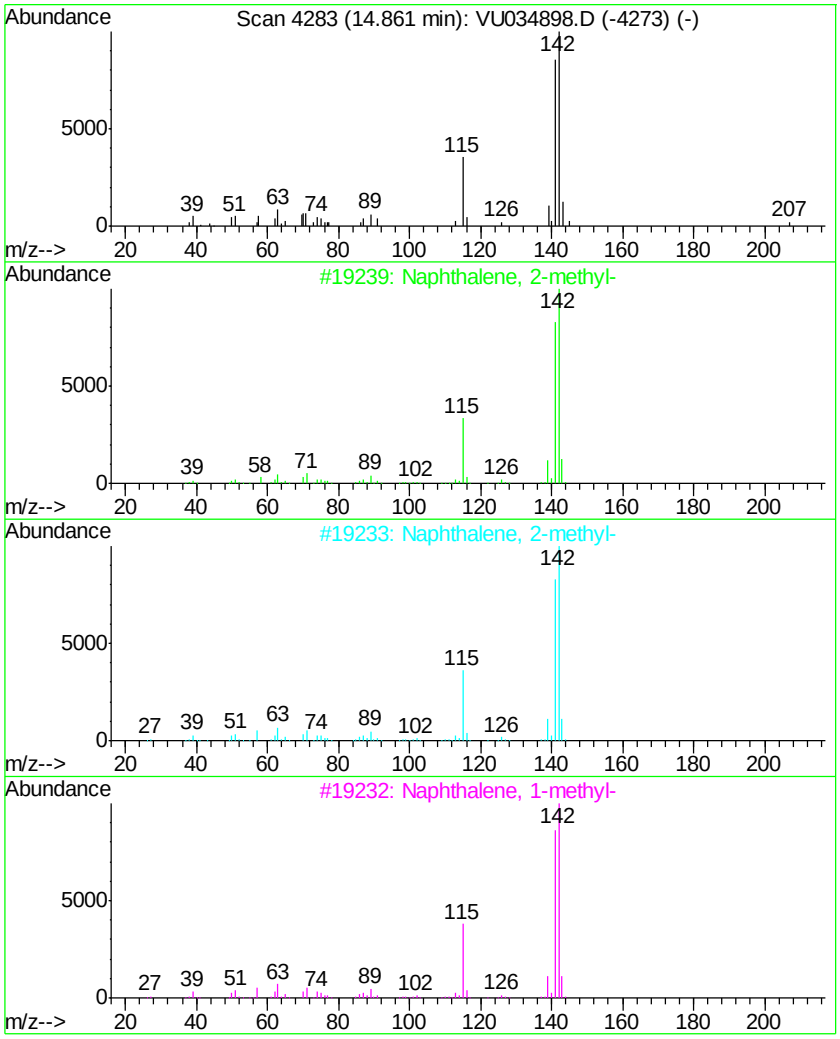
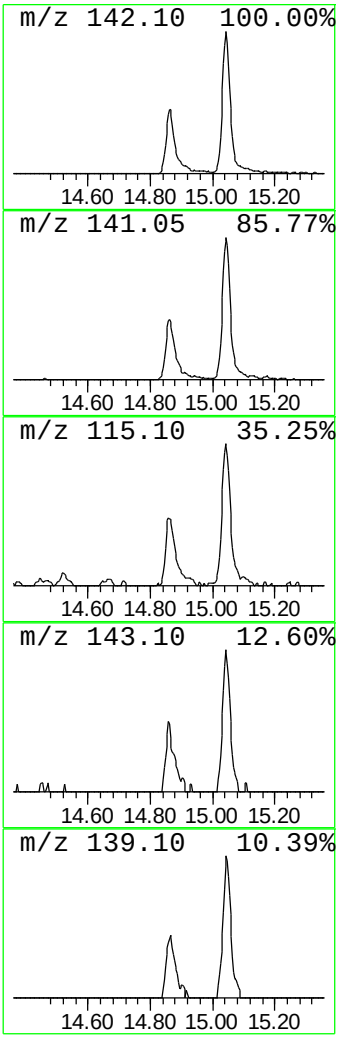
Peak Number 25 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.50 ug/L	51511	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5	Benzocycloheptatriene	142	C11H10	000264-09-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034898.D
Acq On : 01 Oct 2019 19:20
Operator : JC/SP
Sample : K5028-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDK9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.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	2.7	ug/L	53785	1	5.86	995734	50.0
Isopropyl acetate	5.53	6.3	ug/L	125955	1	5.86	995734	50.0
n-Propyl acetate	6.68	109.2	ug/L	2174730	1	5.86	995734	50.0
Propanoic acid, 1...	7.40	12.8	ug/L	255801	1	5.86	995734	50.0
Propanoic acid, 2...	8.13	18.1	ug/L	432317	2	9.07	1192190	50.0
Propanoic acid, p...	8.40	31.6	ug/L	753988	2	9.07	1192190	50.0
Butanoic acid, 1-...	8.88	36.0	ug/L	858144	2	9.07	1192190	50.0
Benzene, propyl-	10.57	5.7	ug/L	117656	3	11.46	1028800	50.0
Benzene, 1-ethyl-...	10.66	7.0	ug/L	144112	3	11.46	1028800	50.0
Benzene, 1,2,3-tr...	10.75	4.2	ug/L	85723	3	11.46	1028800	50.0
Benzene, 1-ethyl-...	10.95	7.5	ug/L	153470	3	11.46	1028800	50.0
Benzene, 1,2,4-tr...	11.13	34.3	ug/L	704751	3	11.46	1028800	50.0
Indane	11.74	15.6	ug/L	320169	3	11.46	1028800	50.0
Benzene, 2-ethyl-...	12.13	3.1	ug/L	63168	3	11.46	1028800	50.0
Benzene, 1-ethyl-...	12.23	4.4	ug/L	90636	3	11.46	1028800	50.0
Benzene, 1-etheny...	12.33	4.5	ug/L	93430	3	11.46	1028800	50.0
Benzene, 1,2,4,5-...	12.63	3.2	ug/L	65736	3	11.46	1028800	50.0
Benzene, 1-etheny...	12.94	2.8	ug/L	57177	3	11.46	1028800	50.0
2,4-Dimethylstyrene	13.10	10.0	ug/L	204891	3	11.46	1028800	50.0
Naphthalene, 1-me...	14.86	2.5	ug/L	51511	3	11.46	1028800	50.0