LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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	38	rBV	10565	12420	0.64%	0.058%
2	1.396	87	95	105	rBV	164950	178640	9.14%	0.836%
3	1.466	110	117	128	rBV	96706	108556	5.55%	0.508%
4	1.547	136	142	151	rVB	12396	16034	0.82%	0.075%
5	1.672	174	181	195	rVB	138297	175669	8.99%	0.822%
6	2.260	350	364	372	rBV	269020	418893	21.43%	1.961%
7	2.309	372	379	404	rVB	114119	188823	9.66%	0.884%
8	2.434	407	418	424	rBV2	3825	7233	0.37%	0.034%
9	2.614	465	474	484	rVB3	3495	6398	0.33%	0.030%
10	2.688	484	497	515	rBV	77702	144770	7.40%	0.678%
11	2.817	524	537	552	rVB4	11879	28009	1.43%	0.131%
12	3.167	633	646	668	rBV2	24001	51578	2.64%	0.241%
13	3.402	707	719	722	rBV5	2762	4329	0.22%	0.020%
14	4.151	940	952	974	rBV	161133	432045	22.10%	2.023%
15	4.248	975	982	1005	rVB	22289	62809	3.21%	0.294%
16	4.624	1077	1099	1126	rBV	238650	568453	29.08%	2.661%
17	5.315	1292	1314	1346	rBV2	482580	1475892	75.49%	6.910%
18	5.530	1370	1381	1407	rVB	54903	118540	6.06%	0.555%
19	5.865	1466	1485	1507	rBV	479050	1042315	53.31%	4.880%
20	6.309	1608	1623	1643	rBV	341143	685130	35.04%	3.208%
21	6.405	1648	1653	1679	rVB2	11569	27826	1.42%	0.130%
22	6.518	1682	1688	1694	rBV4	3837	5968	0.31%	0.028%
23	6.563	1694	1702	1706	rBV	9501	15934	0.82%	0.075%
24	6.685	1727	1740	1773	rBV	1069744	1955069	100.00%	9.153%
25	7.206	1890	1902	1929	rVV	185735	344611	17.63%	1.613%
26	7.402	1949	1963	1974	rBV	148013	257253	13.16%	1.204%
27	7.543	1994	2007	2023	rBV	655330	1169322	59.81%	5.475%
28	7.617	2024	2030	2044	rVB2	23612	44706	2.29%	0.209%
29	7.765	2070	2076	2083	rVB7	2893	4287	0.22%	0.020%
30	7.829	2084	2096	2118	rBV	153657	286135	14.64%	1.340%
31	8.135	2179	2191	2206	rBV	253631	422246	21.60%	1.977%
32	8.241	2208	2224	2229	rVV3	34880	78203	4.00%	0.366%
33	8.289	2229	2239	2262	rVV	617642	1132411	57.92%	5.302%
34	8.395	2262	2272	2300	rVV	419821	712469	36.44%	3.336%

LSC Area Percent Report

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Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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	8.511	2301	2308	2328	rVB3	16111	33099	1.69%	0.155%
36	8.884	2411	2424	2458	rBV	515933	826794	42.29%	3.871%
37	9.067	2461	2481	2509	rBV	690713	1200273	61.39%	5.619%
38	9.231	2521	2532	2547	rBV	18873	32128	1.64%	0.150%
39	9.353	2552	2570	2587	rBV	86331	156256	7.99%	0.732%
40	9.585	2632	2642	2652	rBV2	11944	20275	1.04%	0.095%
41	9.755	2683	2695	2721	rVB3	118342	226267	11.57%	1.059%
42	9.919	2737	2746	2757	rVV7	3894	9157	0.47%	0.043%
43	10.025	2772	2779	2784	rBV7	3309	4142	0.21%	0.019%
44	10.144	2805	2816	2828	rVV2	36149	58851	3.01%	0.276%
45	10.299	2853	2864	2872	rBV6	2215	3590	0.18%	0.017%
46	10.408	2886	2898	2924	rVB	474304	769882	39.38%	3.604%
47	10.566	2935	2947	2964	rBV	58967	98360	5.03%	0.460%
48	10.685	2967	2984	2995	rBV2	39736	92415	4.73%	0.433%
49	10.752	2995	3005	3015	rVV	30202	44949	2.30%	0.210%
50	10.897	3039	3050	3056	rBV6	4308	7474	0.38%	0.035%
51	10.948	3056	3066	3087	rVB	84464	142555	7.29%	0.667%
52	11.125	3110	3121	3140	rVB	325825	499254	25.54%	2.337%
53	11.222	3145	3151	3159	rBV7	3347	4766	0.24%	0.022%
54	11.270	3159	3166	3169	rBV3	4105	5728	0.29%	0.027%
55	11.302	3170	3176	3187	rVB2	12451	19106	0.98%	0.089%
56	11.402	3201	3207	3213	rVV5	10161	13185	0.67%	0.062%
57	11.459	3214	3225	3242	rVV	648260	1065288	54.49%	4.987%
58	11.546	3242	3252	3267	rVB	174364	271869	13.91%	1.273%
59	11.662	3283	3288	3301	rVB4	4726	7631	0.39%	0.036%
60	11.742	3302	3313	3331	rBV2	150810	276458	14.14%	1.294%
61	11.836	3331	3342	3370	rVB	671846	1233288	63.08%	5.774%
62	11.958	3371	3380	3387	rBV5	14905	22432	1.15%	0.105%
63	12.032	3396	3403	3415	rVB	17815	28028	1.43%	0.131%
64	12.122	3421	3431	3436	rBV2	44276	67254	3.44%	0.315%
65	12.154	3437	3441	3453	rVB2	38219	52607	2.69%	0.246%
66	12.228	3454	3464	3472	rBV	87799	134254	6.87%	0.629%
67	12.334	3486	3497	3519	rBV2	51155	111641	5.71%	0.523%
68	12.469	3533	3539	3547	rBV8	4173	5838	0.30%	0.027%
69	12.530	3547	3558	3569	rVB3	25055	43318	2.22%	0.203%
70	12.627	3570	3588	3597	rBV	62452	111798	5.72%	0.523%
71	12.678	3597	3604	3619	rVB	100956	159782	8.17%	0.748%

LSC Area Percent Report

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Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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	12.765	3624	3631	3639	rBV6	6431	9766	0.50%	0.046%
73	12.874	3656	3665	3677	rVV6	6963	17066	0.87%	0.080%
74	12.942	3677	3686	3699	rVB2	49947	79983	4.09%	0.374%
75	13.009	3704	3707	3716	rVB9	3565	3952	0.20%	0.019%
76	13.099	3716	3735	3749	rBV3	161350	287566	14.71%	1.346%
77	13.167	3751	3756	3766	rVB5	15042	22770	1.16%	0.107%
78	13.218	3766	3772	3778	rBV3	4224	5278	0.27%	0.025%
79	13.270	3779	3788	3801	rBV4	34028	60479	3.09%	0.283%
80	13.379	3811	3822	3831	rBV10	10034	20489	1.05%	0.096%
81	13.437	3832	3840	3848	rVB3	14426	21603	1.10%	0.101%
82	13.492	3848	3857	3863	rBV4	20222	33979	1.74%	0.159%
83	13.556	3872	3877	3880	rBV5	3127	3419	0.17%	0.016%
84	13.588	3881	3887	3910	rVB3	15709	37023	1.89%	0.173%
85	13.723	3918	3929	3954	rBV	133431	252429	12.91%	1.182%
86	13.832	3955	3963	3977	rVB	6777	15482	0.79%	0.072%
87	13.929	3982	3993	4006	rBV	9522	23257	1.19%	0.109%
88	13.993	4006	4013	4023	rVB5	6590	10572	0.54%	0.049%
89	14.131	4047	4056	4072	rBV4	12780	22516	1.15%	0.105%
90	14.318	4103	4114	4126	rBV7	12246	30092	1.54%	0.141%
91	14.456	4146	4157	4168	rVV7	8843	19536	1.00%	0.091%
92	14.520	4169	4177	4188	rVB7	9190	16493	0.84%	0.077%
93	14.633	4203	4212	4215	rBV8	2383	3674	0.19%	0.017%
94	14.655	4215	4219	4230	rVB10	3320	6470	0.33%	0.030%
95	14.803	4258	4265	4272	rVV6	3601	5140	0.26%	0.024%
96	14.858	4273	4282	4304	rVV	32008	63733	3.26%	0.298%
97	15.041	4328	4339	4356	rBV	113024	201967	10.33%	0.946%
98	15.736	4546	4555	4556	rBV5	4977	5592	0.29%	0.026%
99	16.041	4641	4650	4656	rBV7	9100	15577	0.80%	0.073%
100	16.723	4854	4862	4873	rBV2	12315	20525	1.05%	0.096%

Sum of corrected areas: 21359396

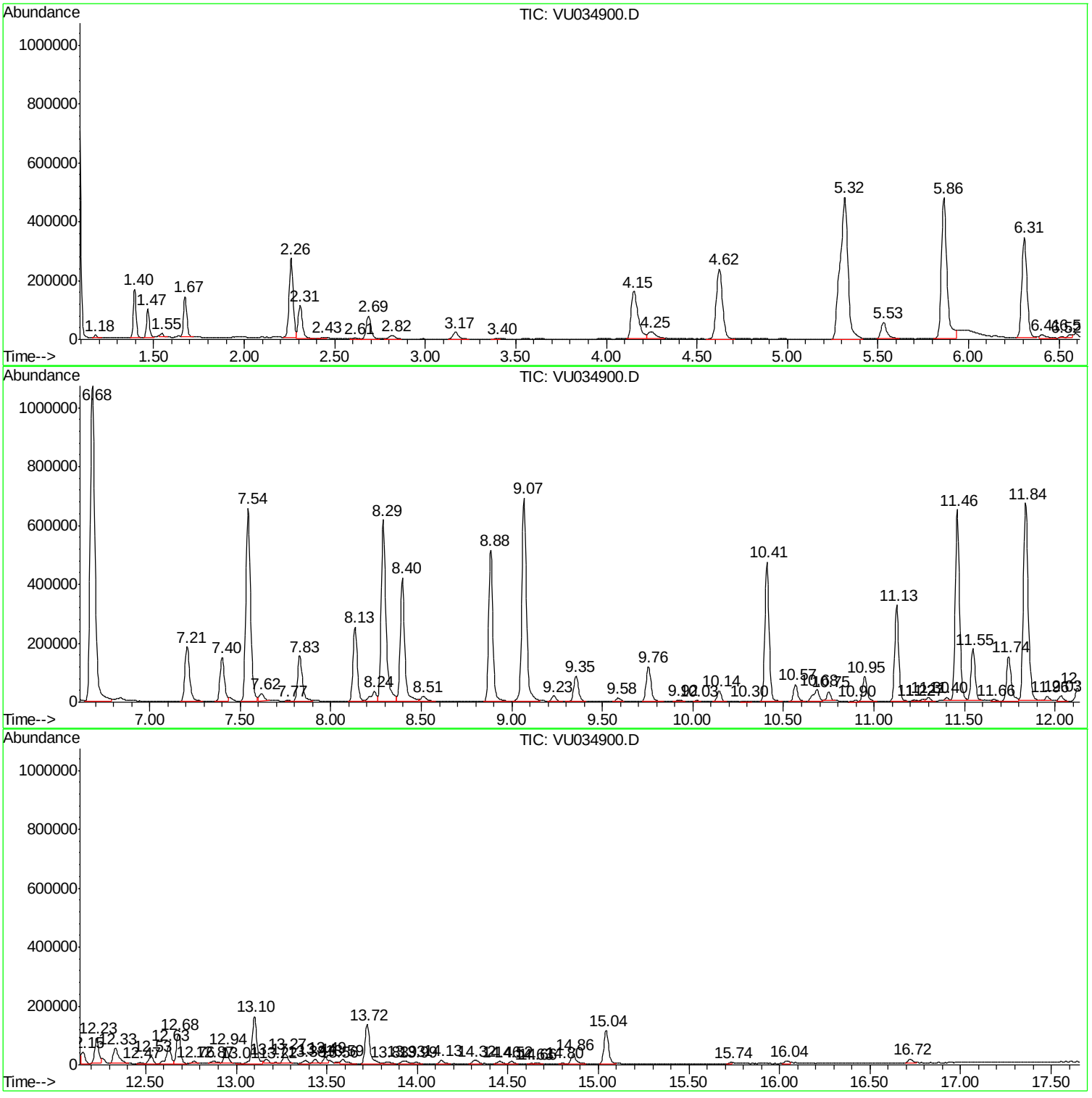
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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 : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

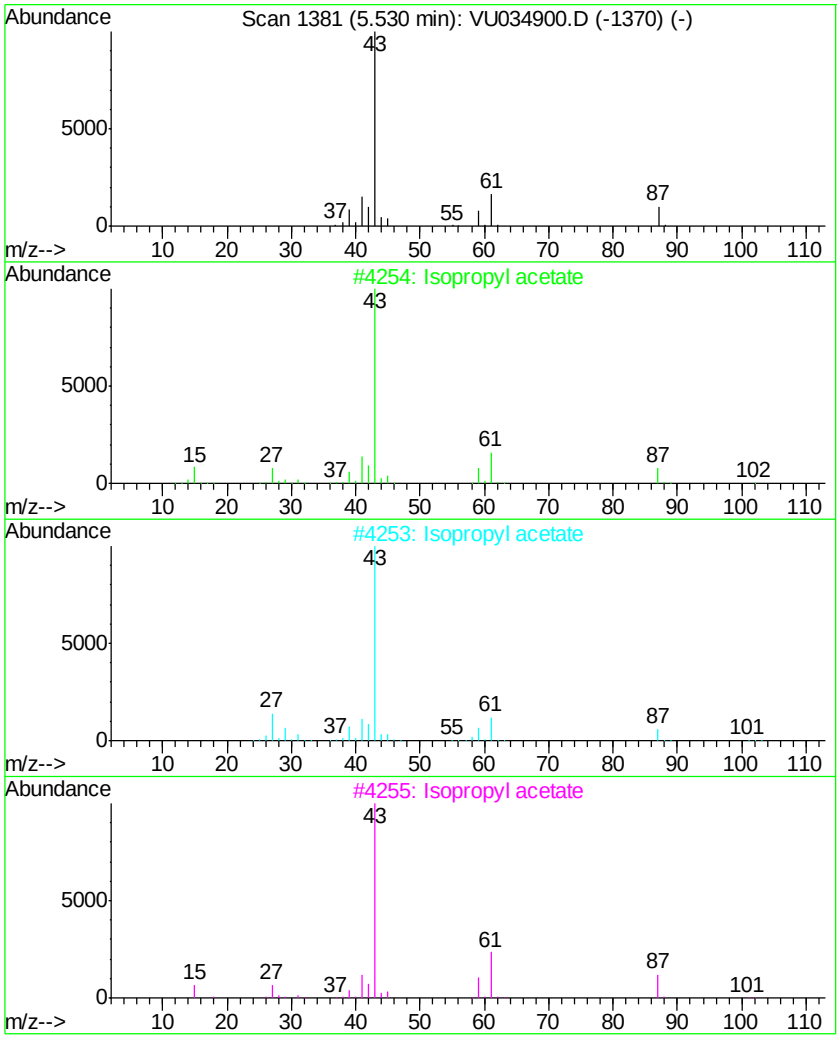
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

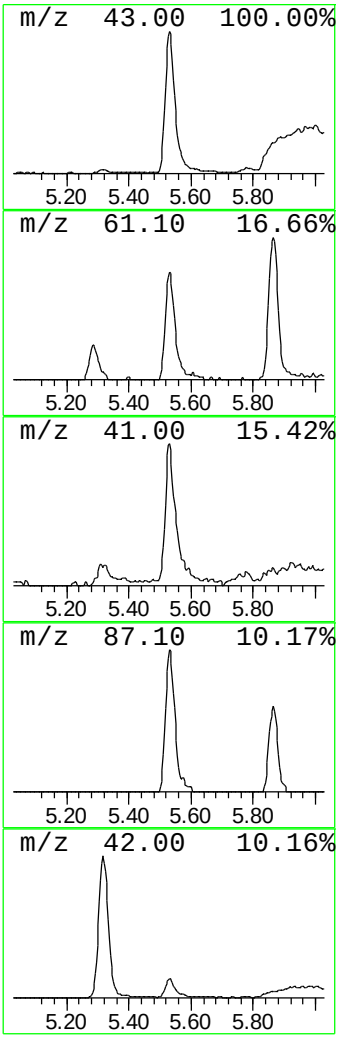
****

Peak Number 2 Isopropyl acetate Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	5.69 ug/L	118540	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	78
3	Isopropyl acetate	102	C5H10O2	000108-21-4	74
4	Acetamide, N-acetyl-N-methyl-	115	C5H9NO2	001113-68-4	9
5	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

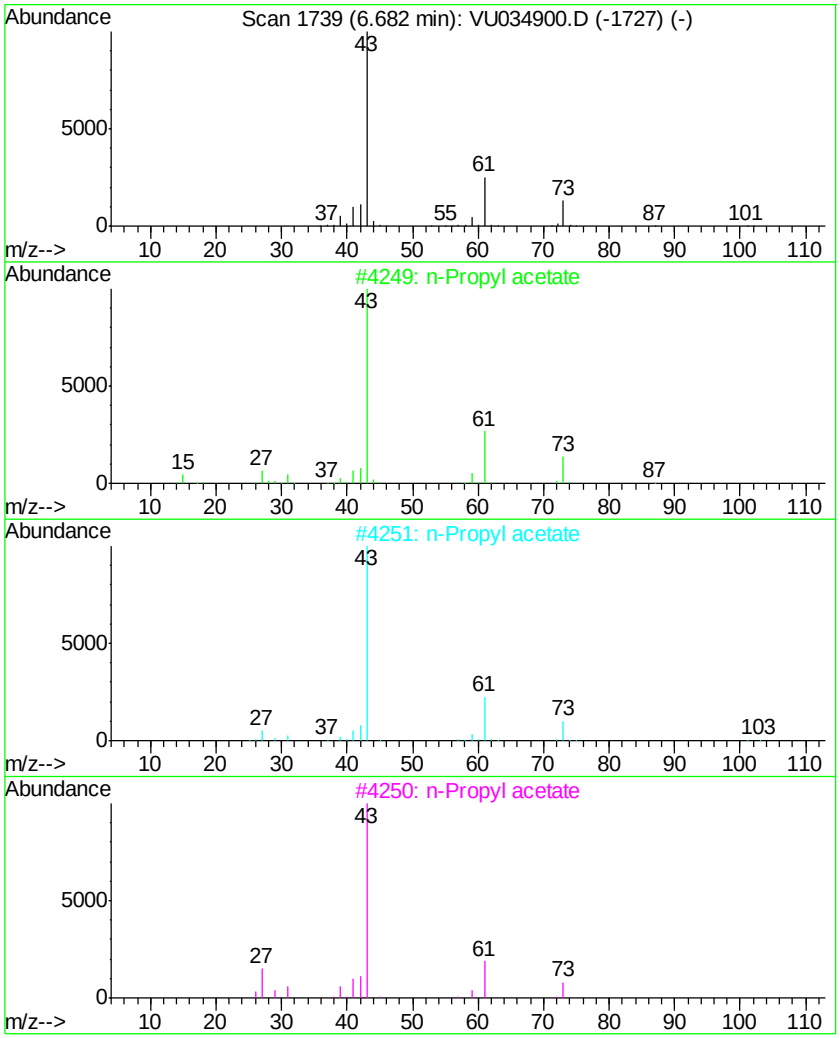
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

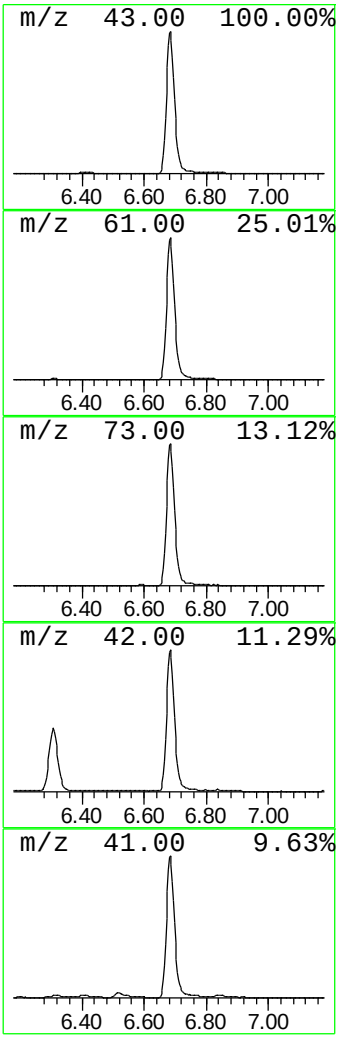
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	93.78 ug/L	1955070	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	59
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

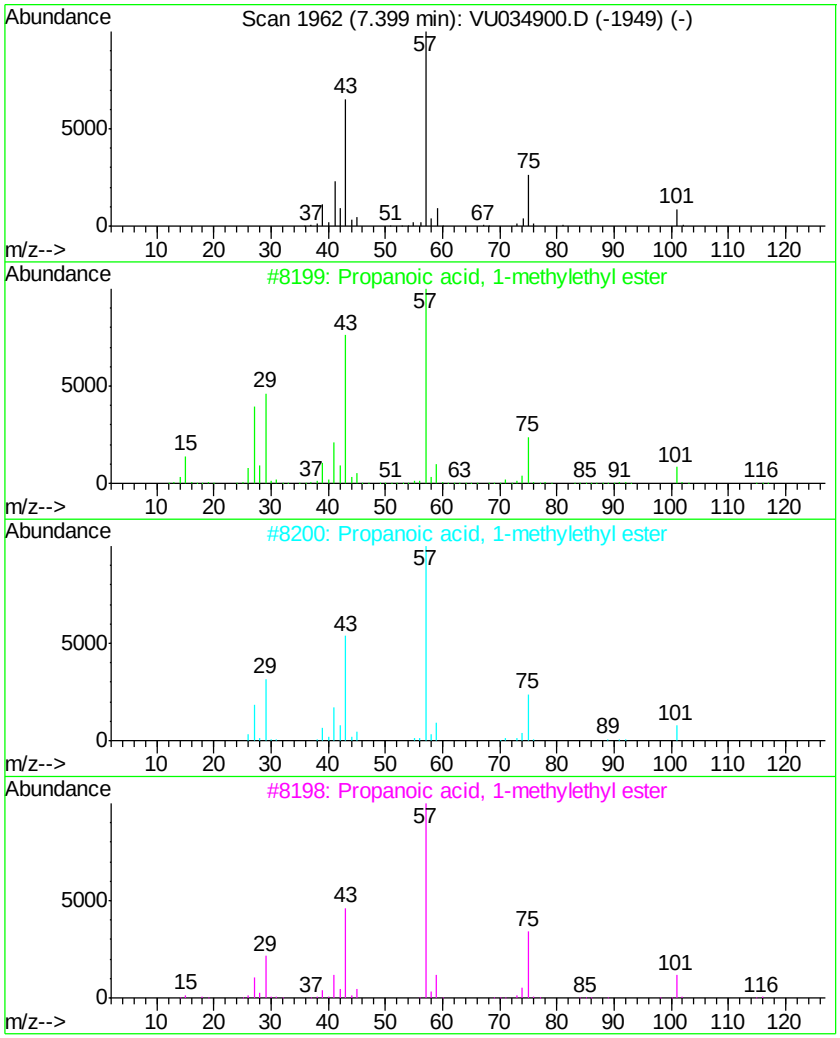
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

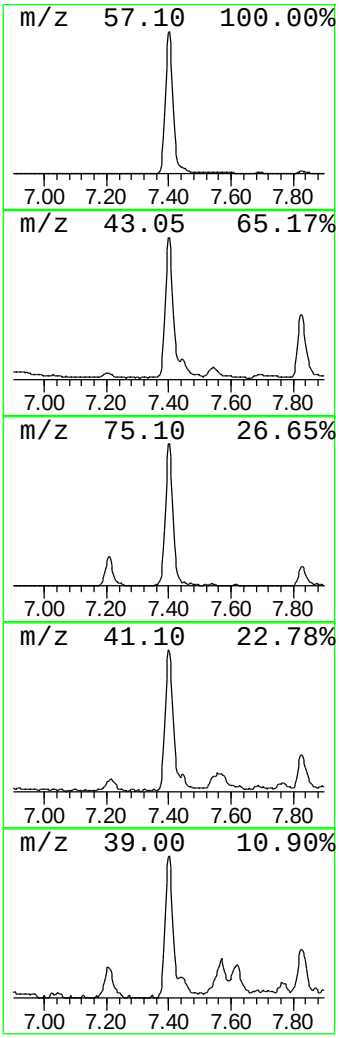
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Propanoic acid, 1-methyleth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	12.34 ug/L	257253	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	78
4	Propanoic acid, 1-methylethyl ester	116	C6H12O2	000637-78-5	45
5	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

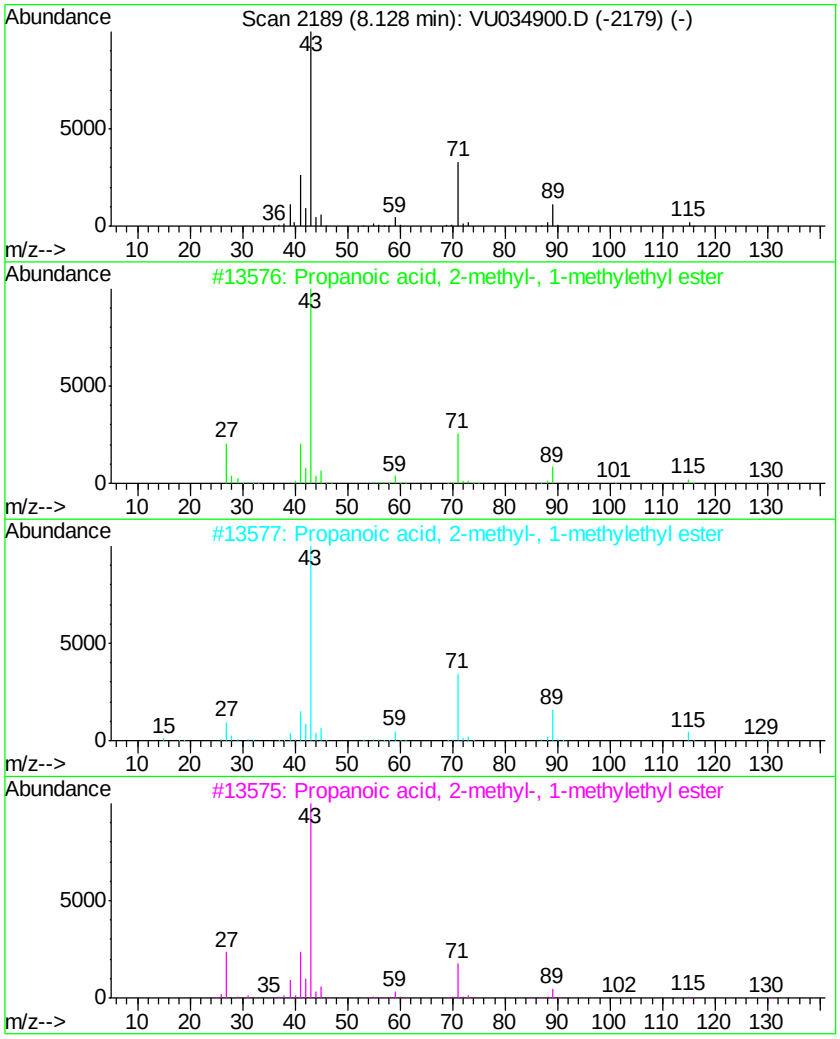
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

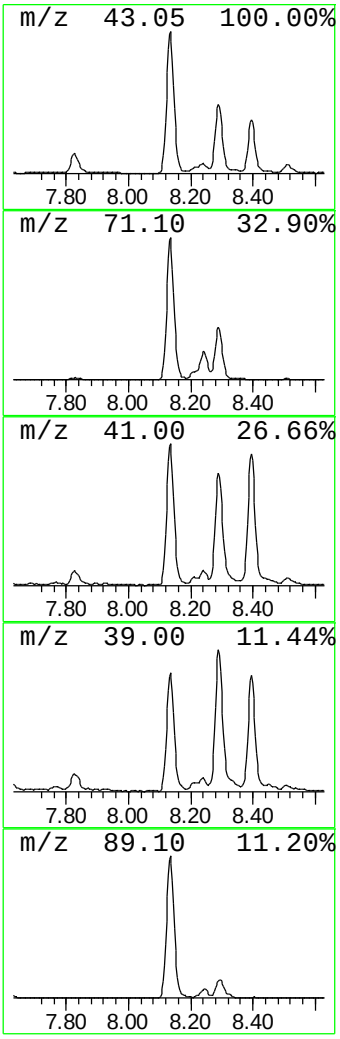
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.59 ug/L	422246	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	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

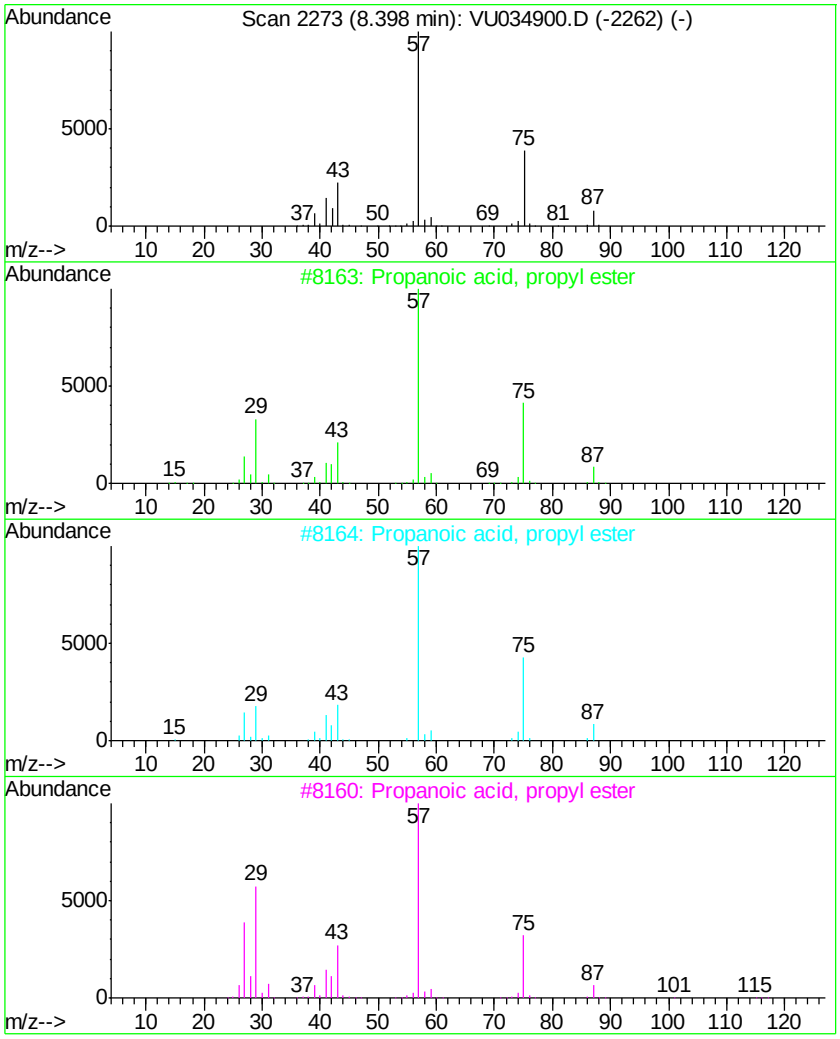
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

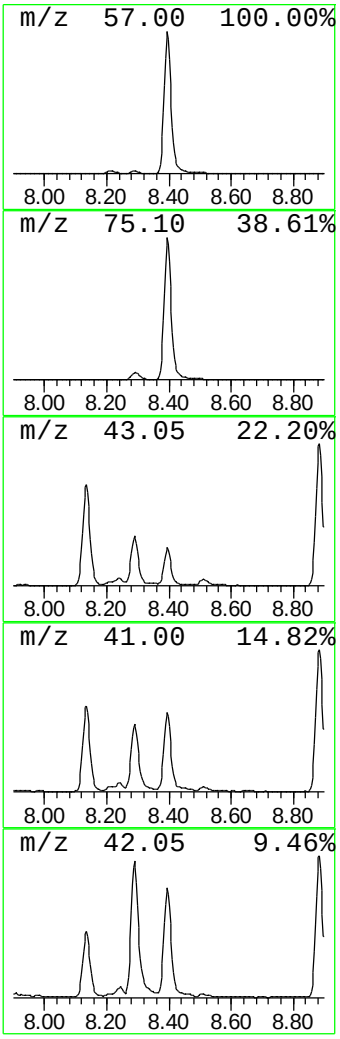
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	29.68 ug/L	712469	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	74
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

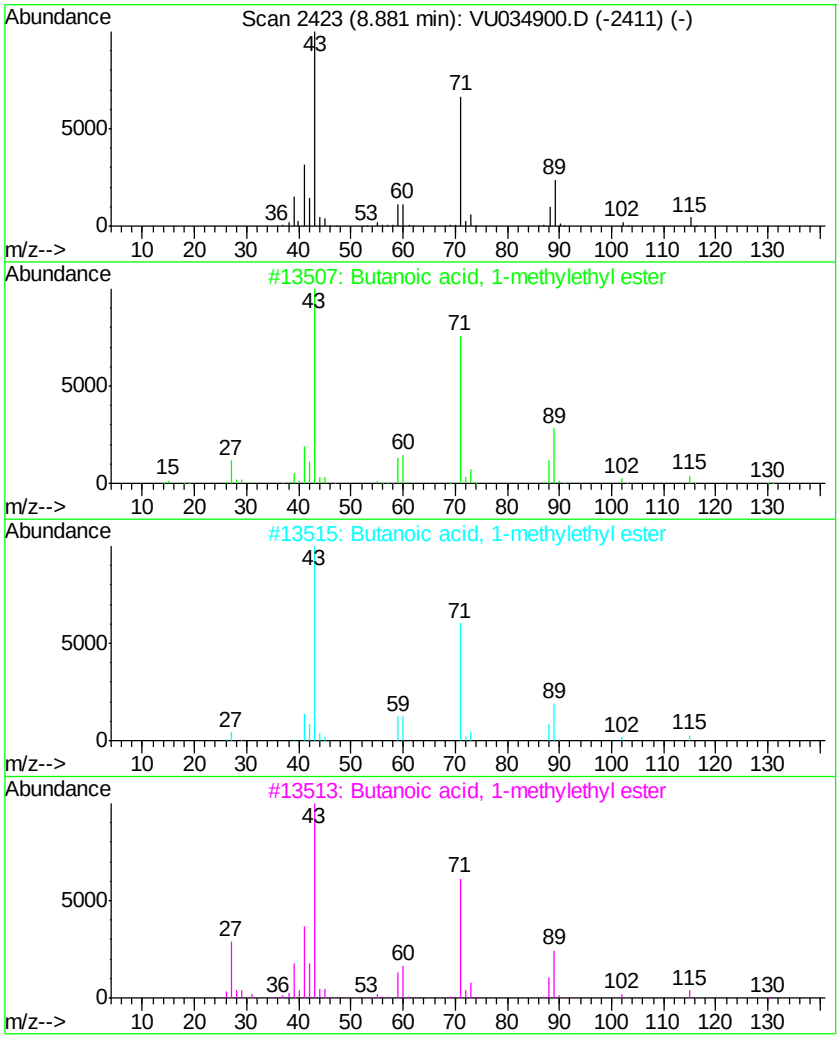
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

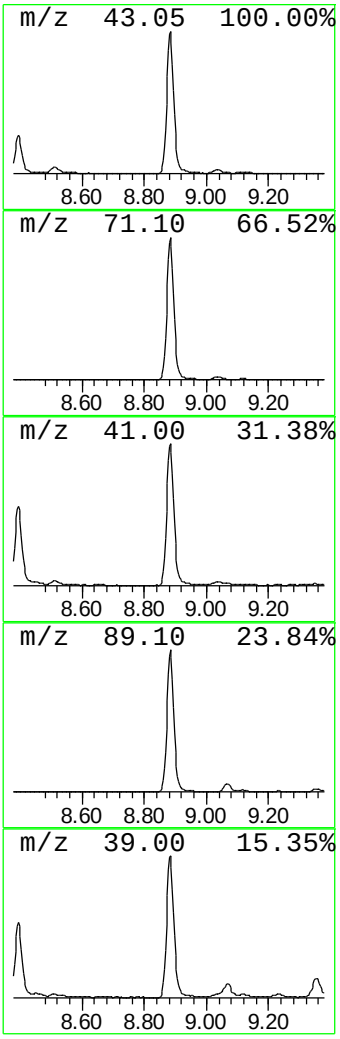
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.44 ug/L	826794	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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Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

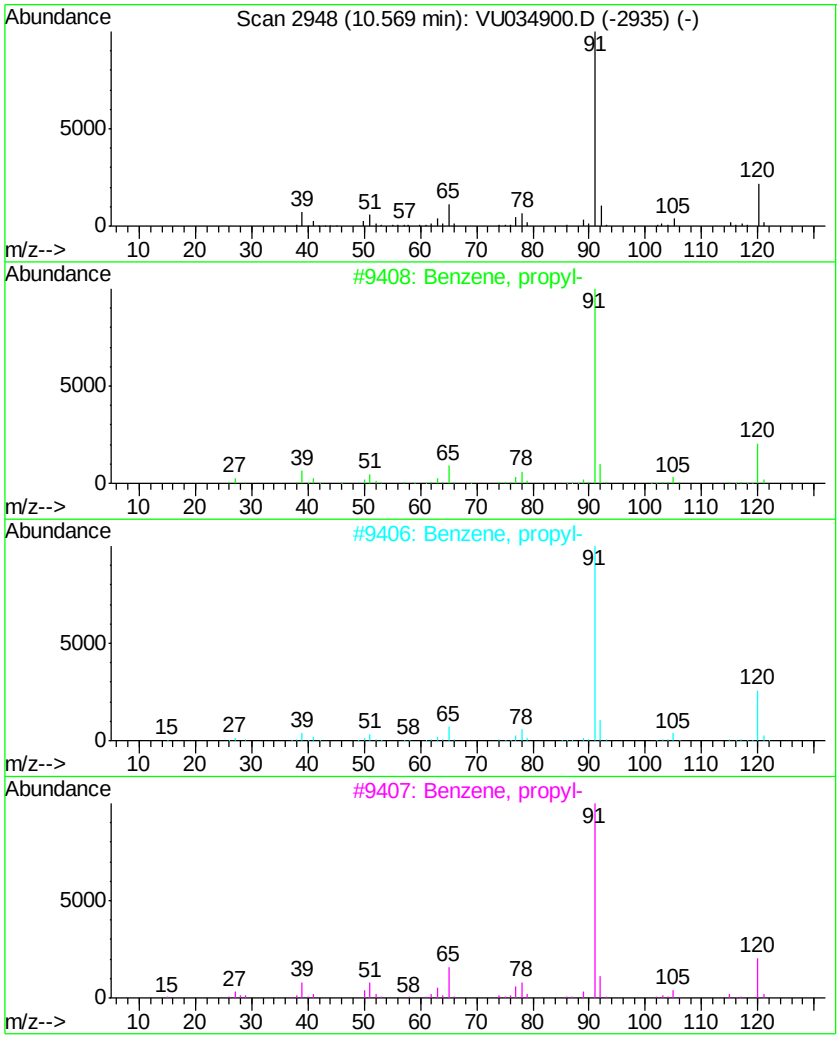
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

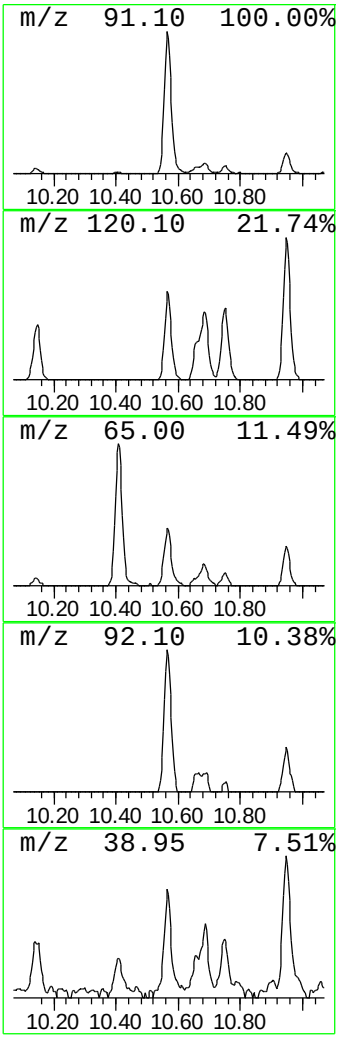
****

Peak Number 9 Benzene, propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	4.62 ug/L	98360	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	2,4,6-Cycloheptatrien-1-one, 4-m...	120	C8H8O	1000327-34-9	53





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Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

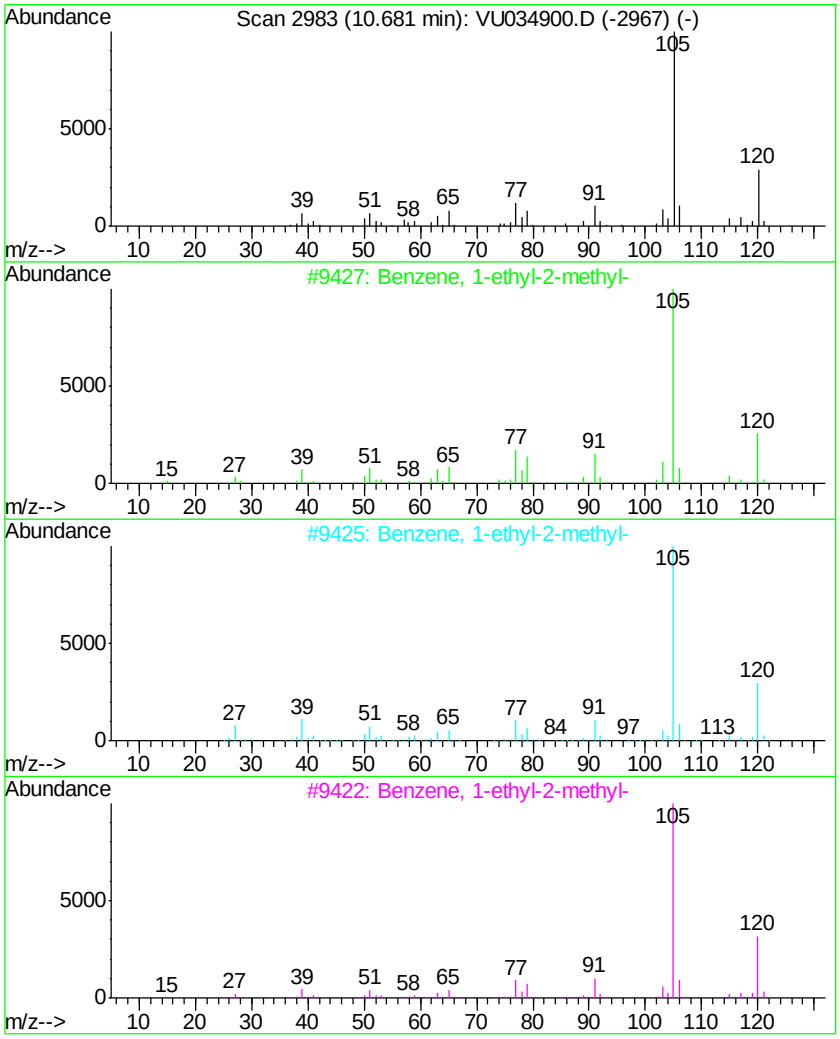
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

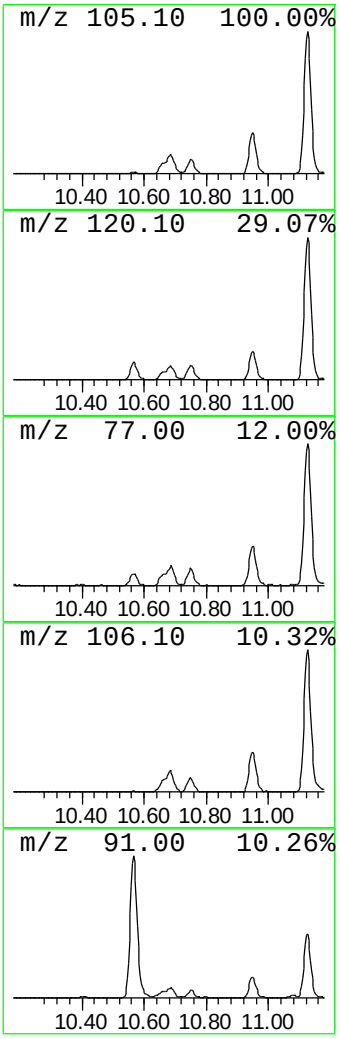
****

Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	4.34 ug/L	92415	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-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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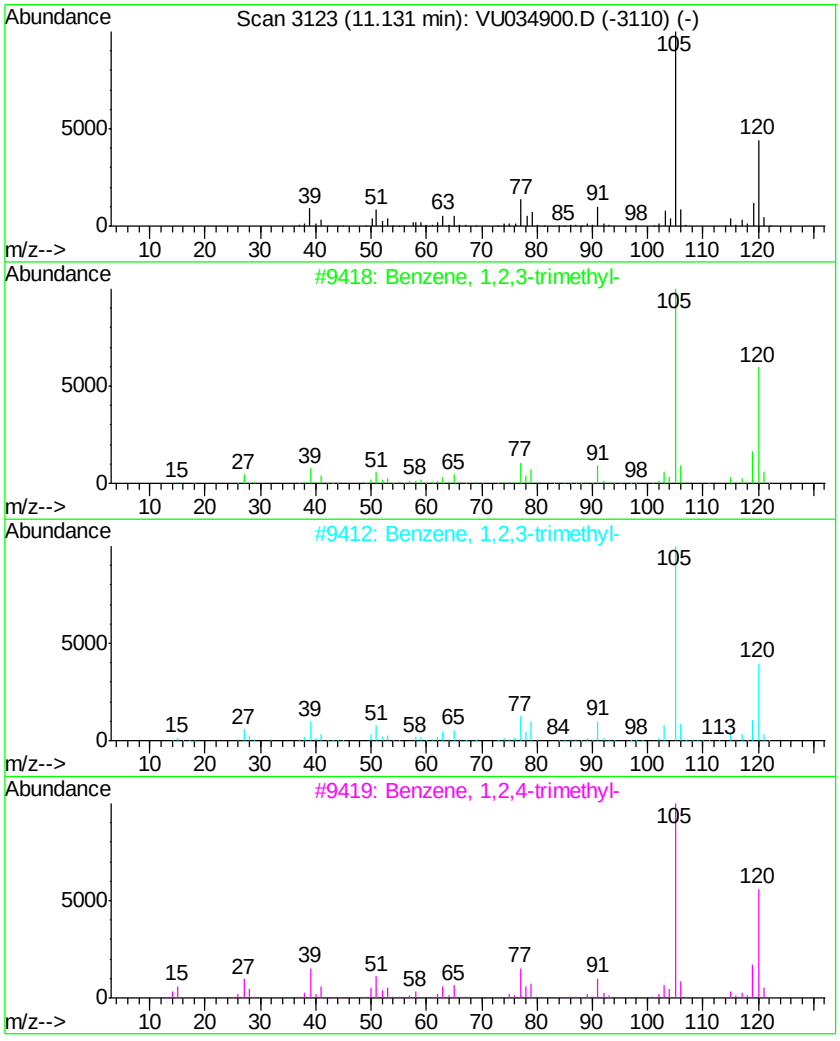
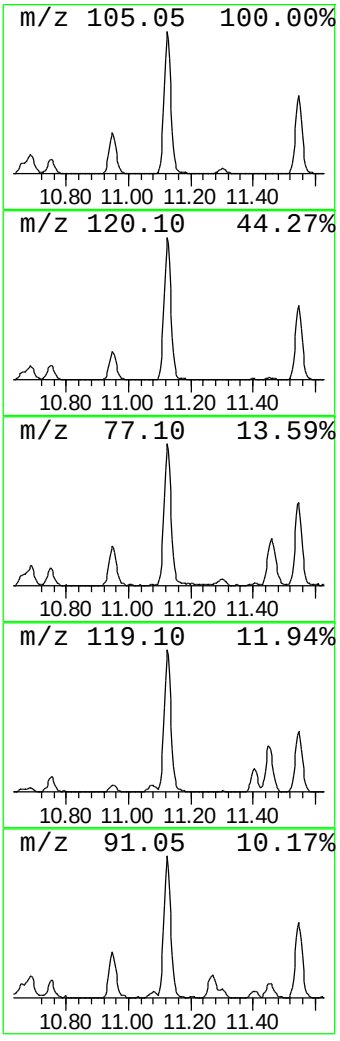
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	23.43 ug/L	499254	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	95
5	Mesitylene	120	C9H12	000108-67-8	94





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Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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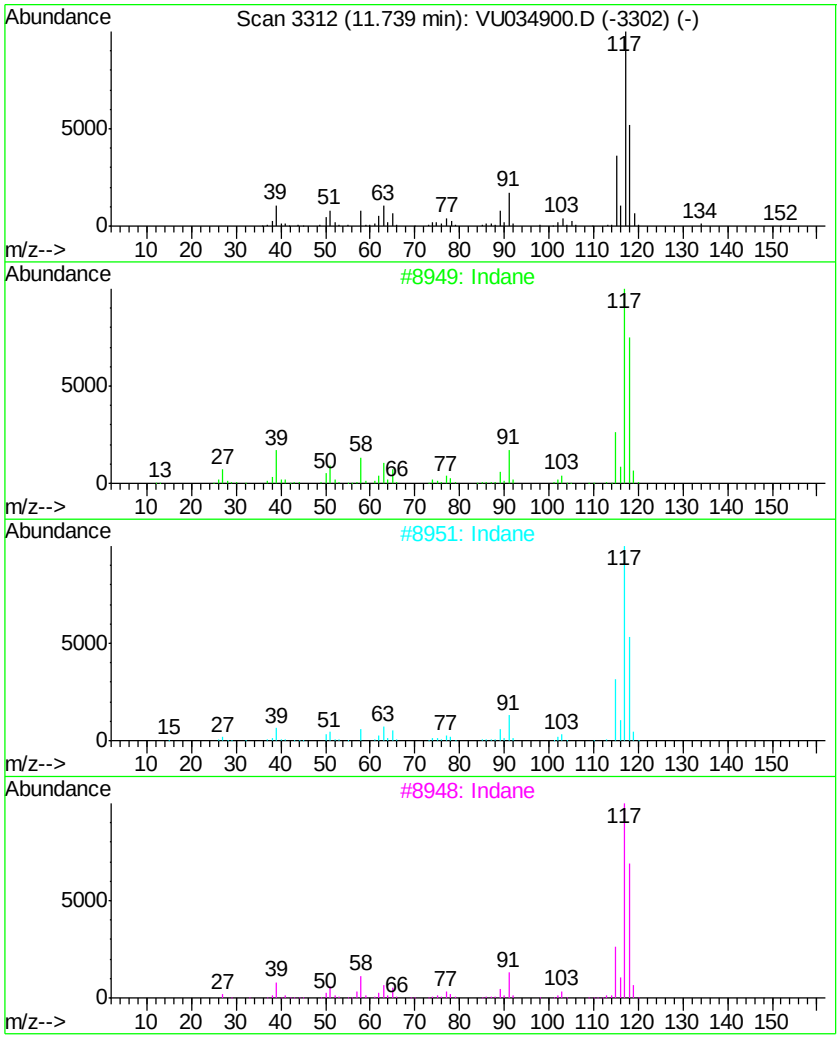
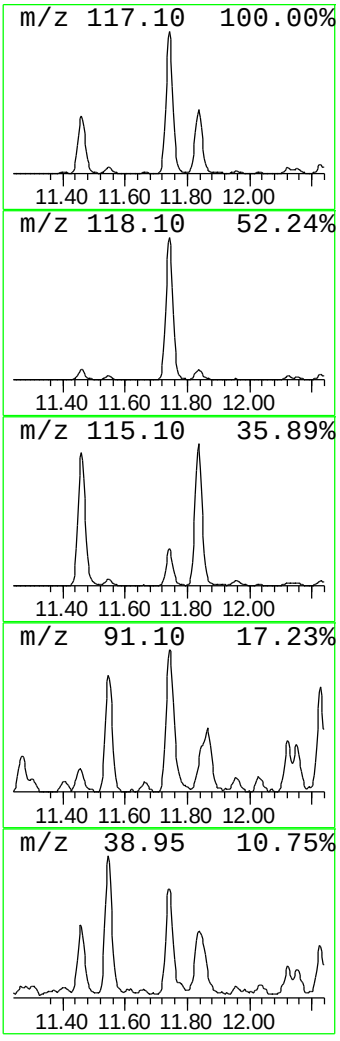
Peak Number 14 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	12.98 ug/L	276458	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	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68





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Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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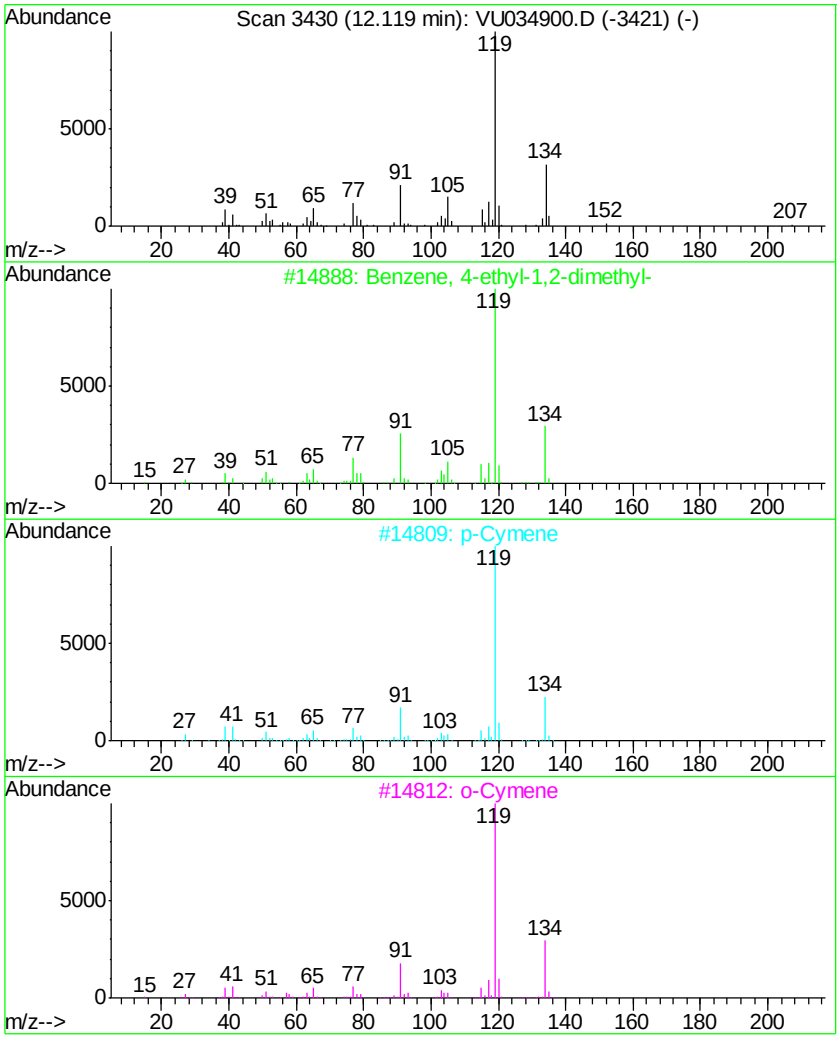
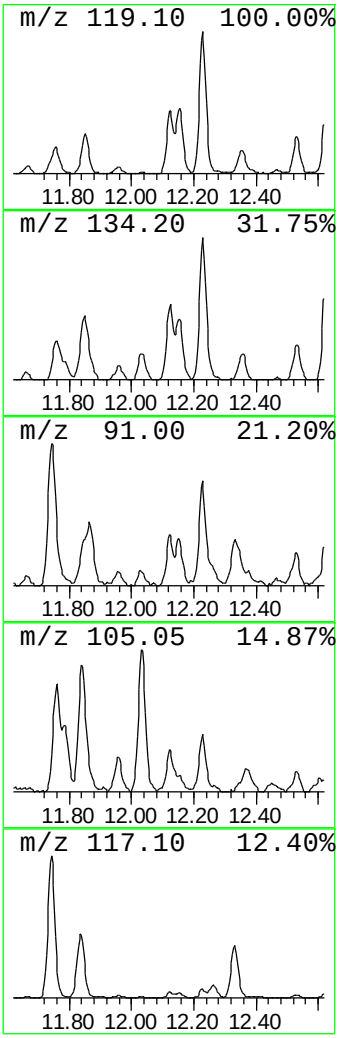
Peak Number 15 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.16 ug/L	67254	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	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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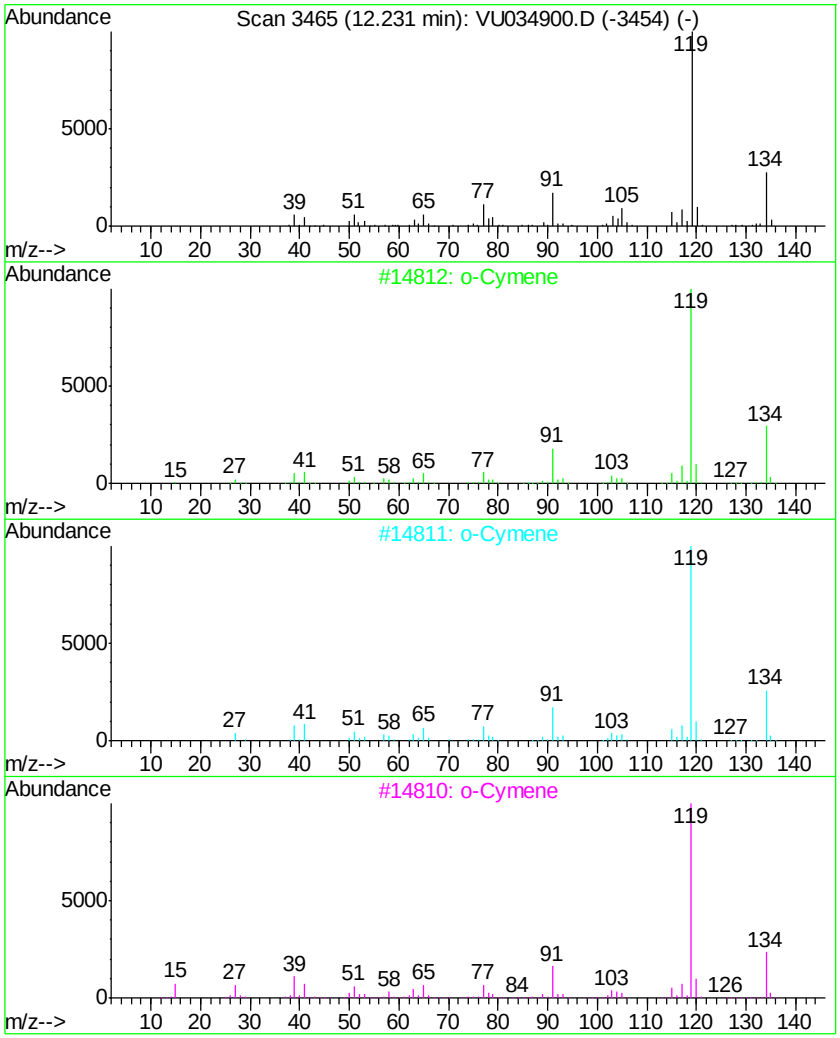
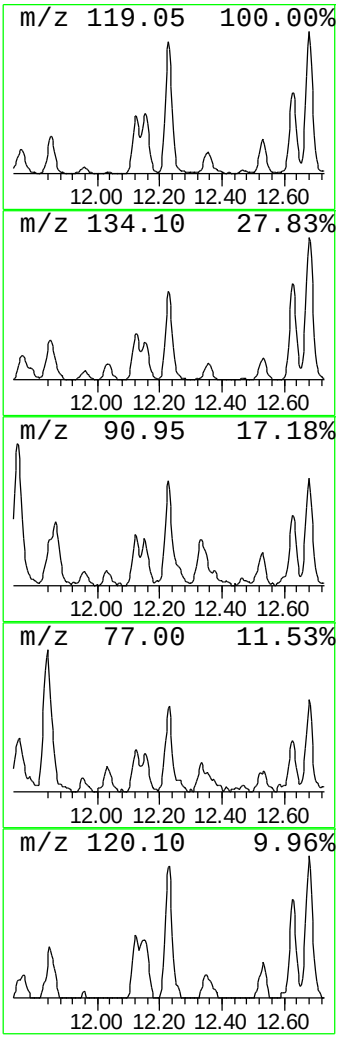
Peak Number 16 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	6.30 ug/L	134254	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





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Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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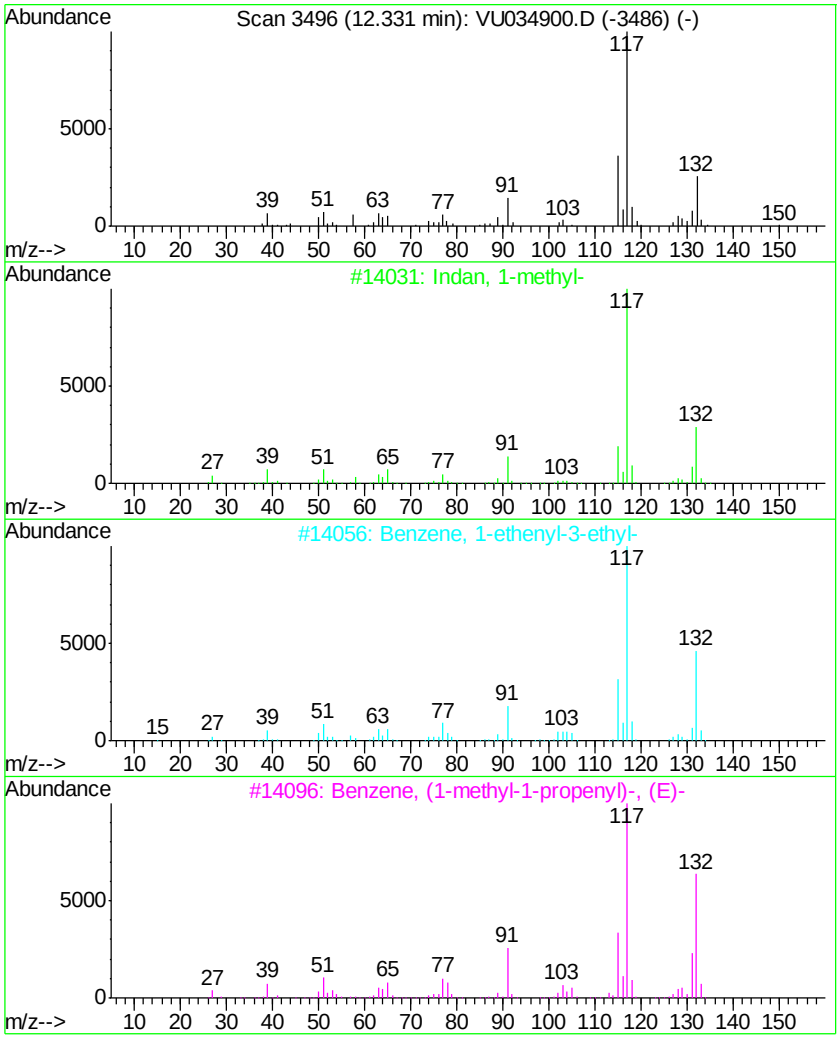
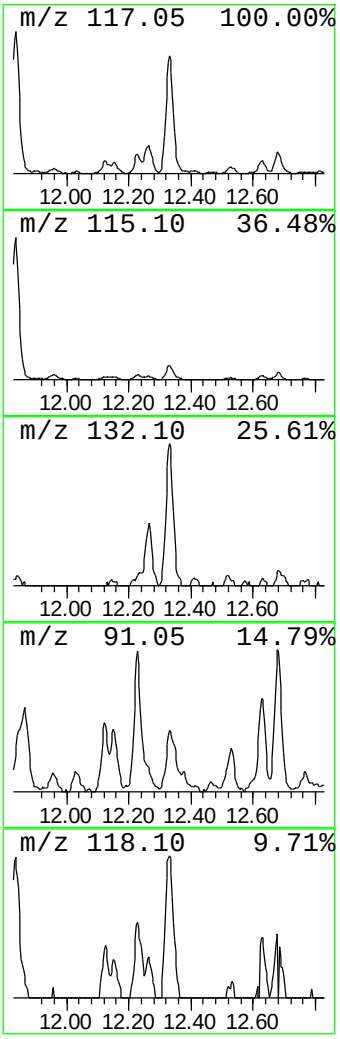
Peak Number 17 Indan, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.24 ug/L	111641	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

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Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

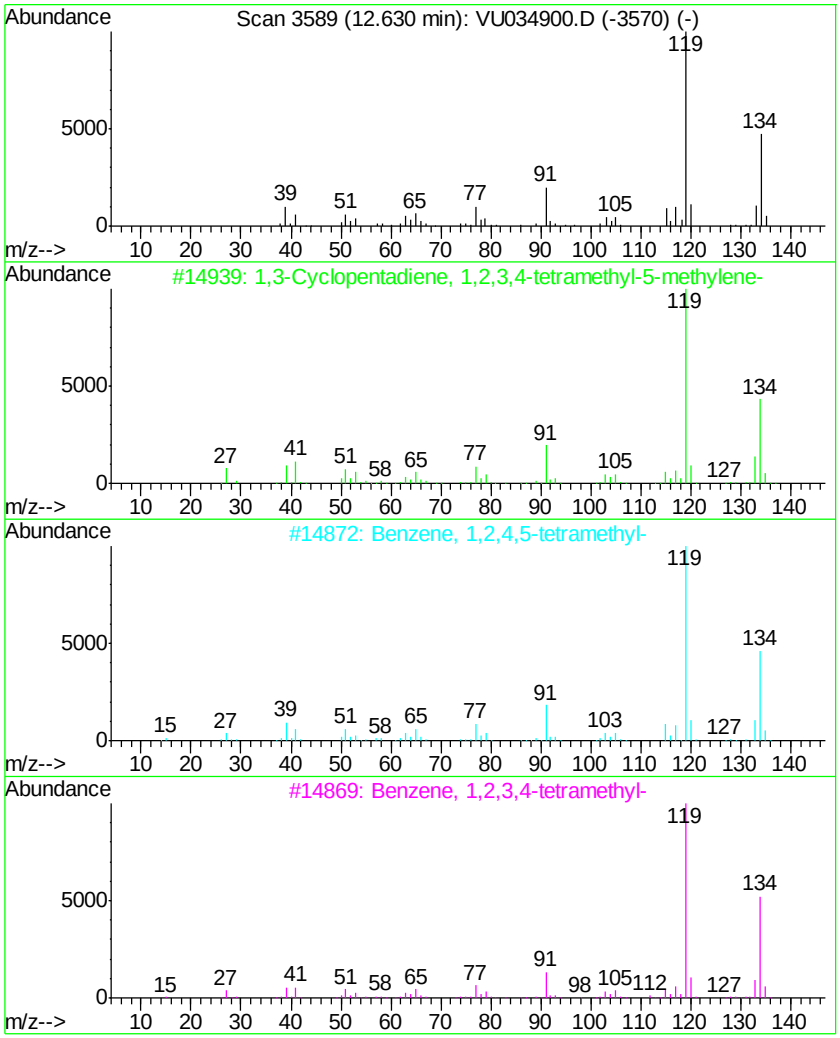
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100119WMA.M
Quant Title : VOC Analysis

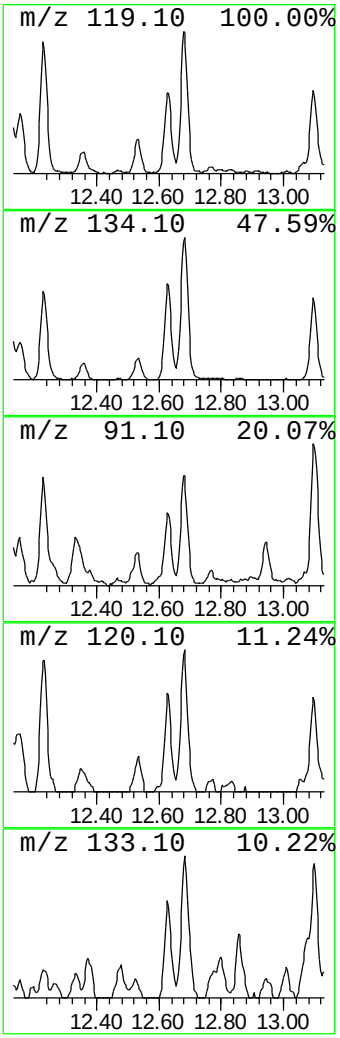
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	5.25 ug/L	111798	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





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Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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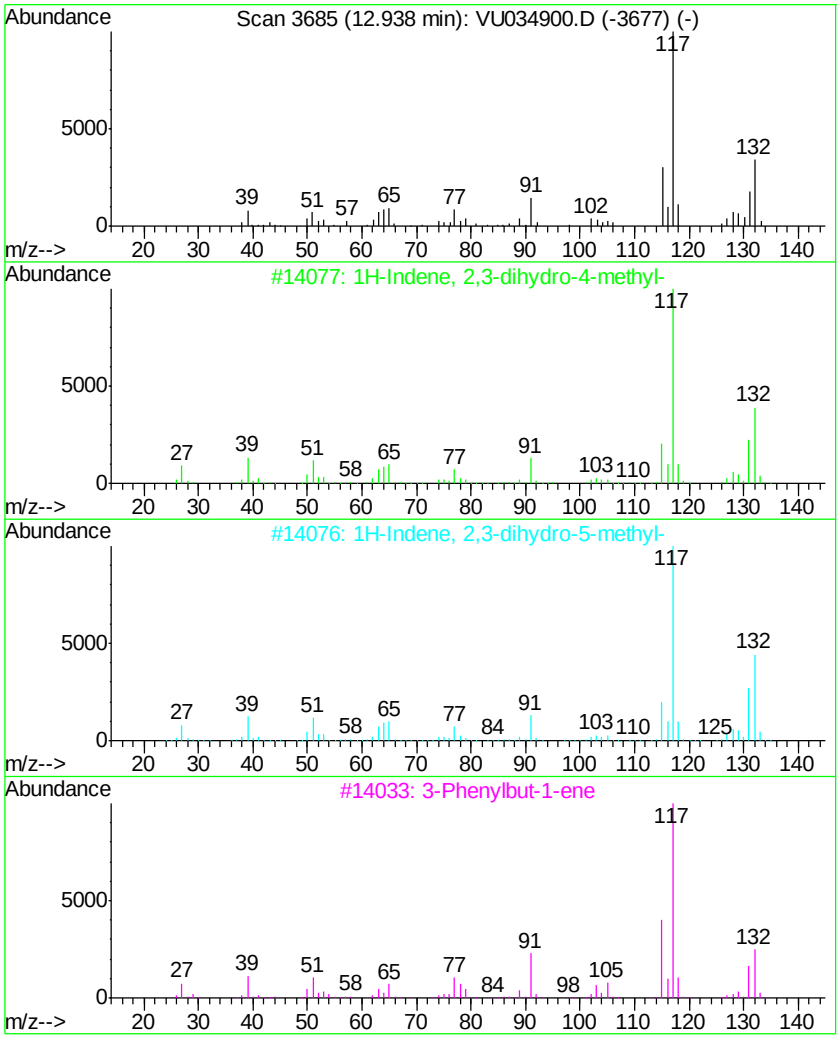
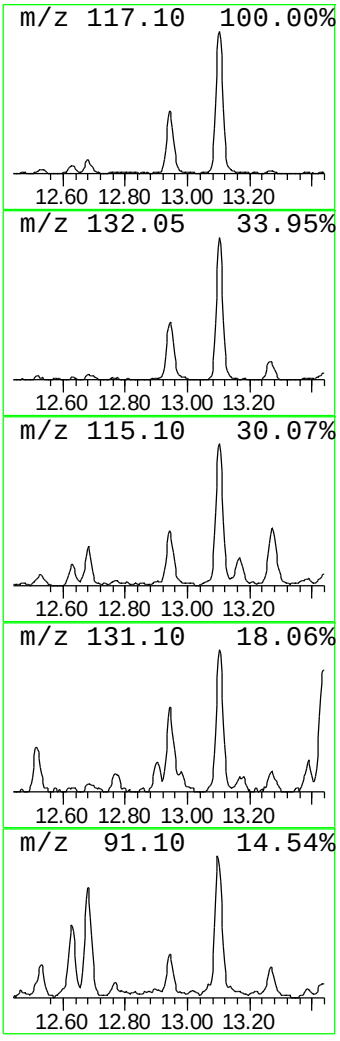
Peak Number 20 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.75 ug/L	79983	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





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Data File : VU034900.D
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Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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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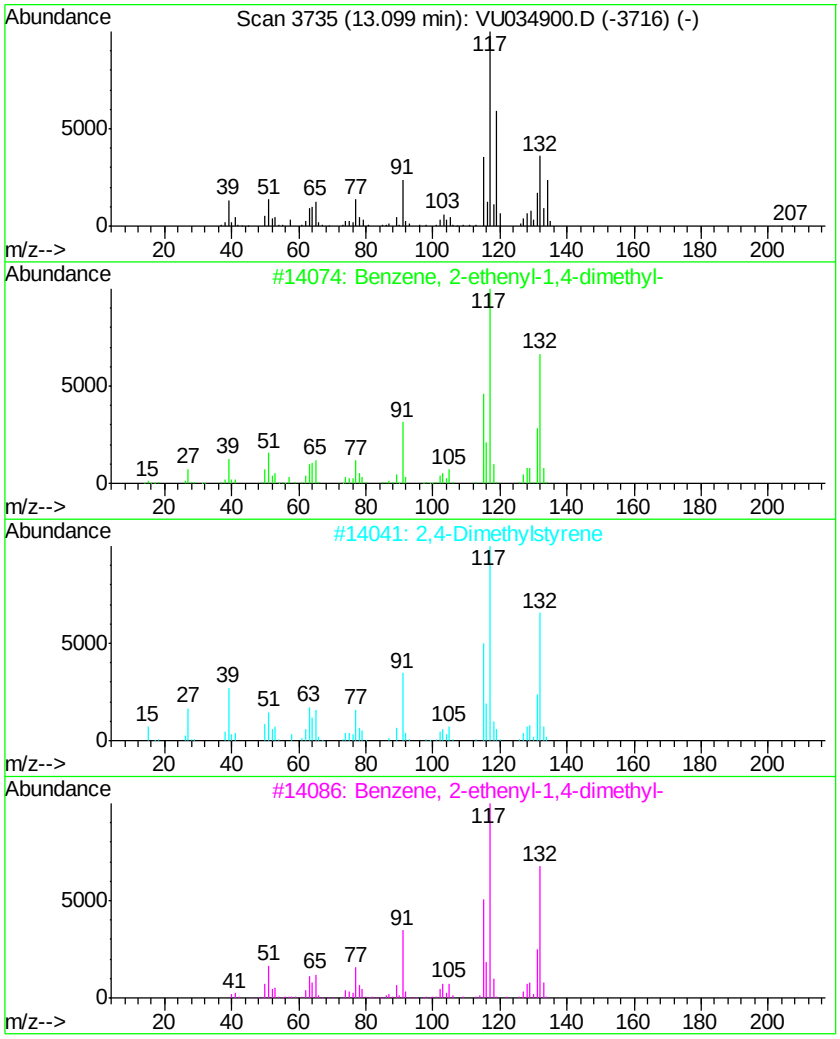
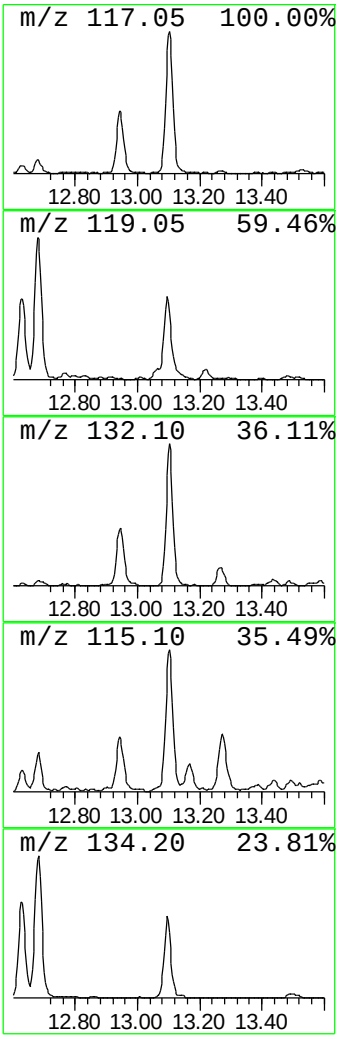
Peak Number 21 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	13.50 ug/L	287566	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	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	83
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64





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Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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

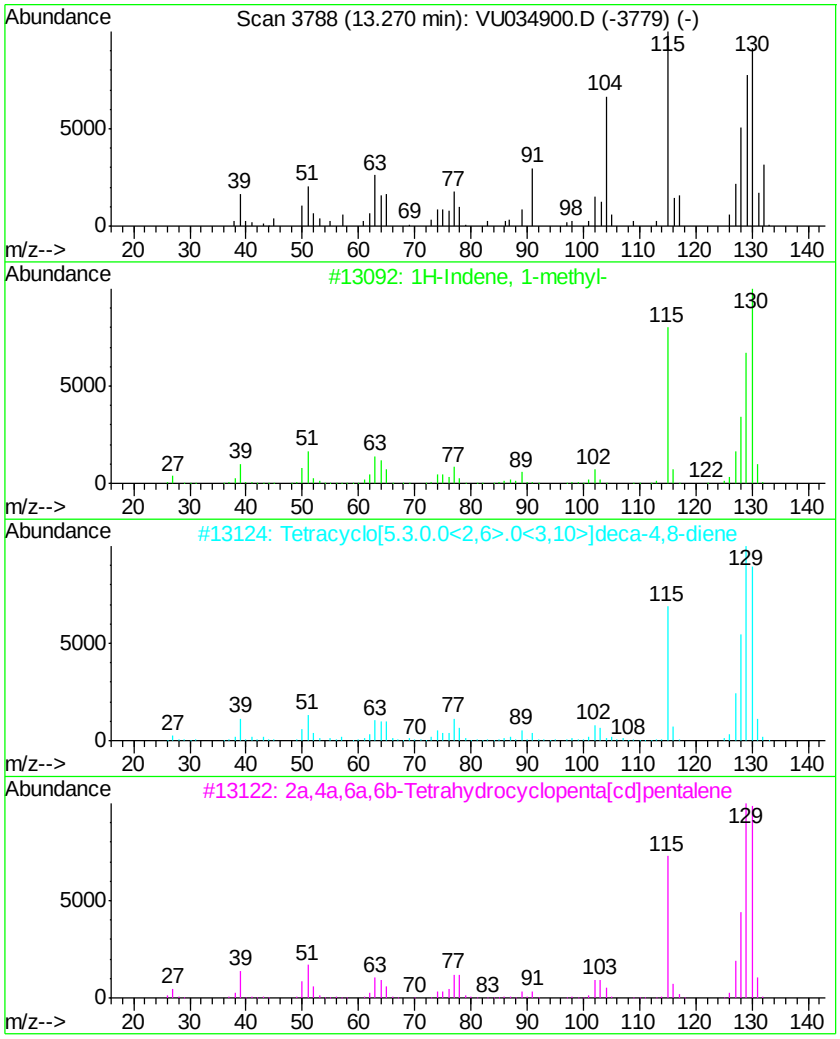
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

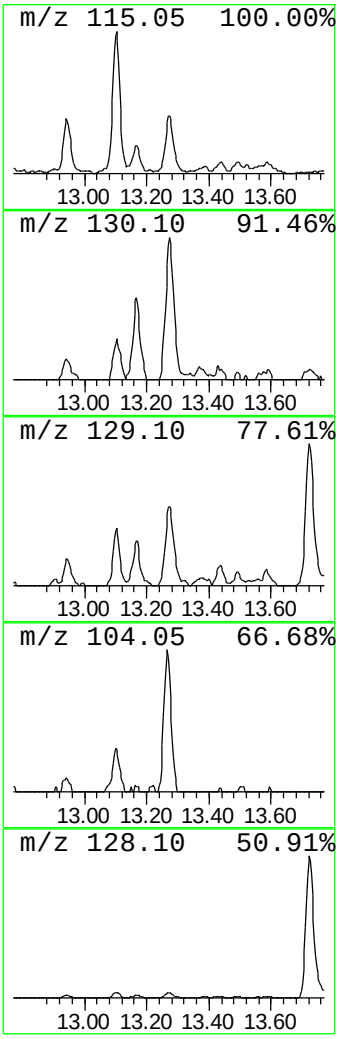
****

Peak Number 22 1H-Indene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.84 ug/L	60479	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	92
2	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	92
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	86
4	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	86
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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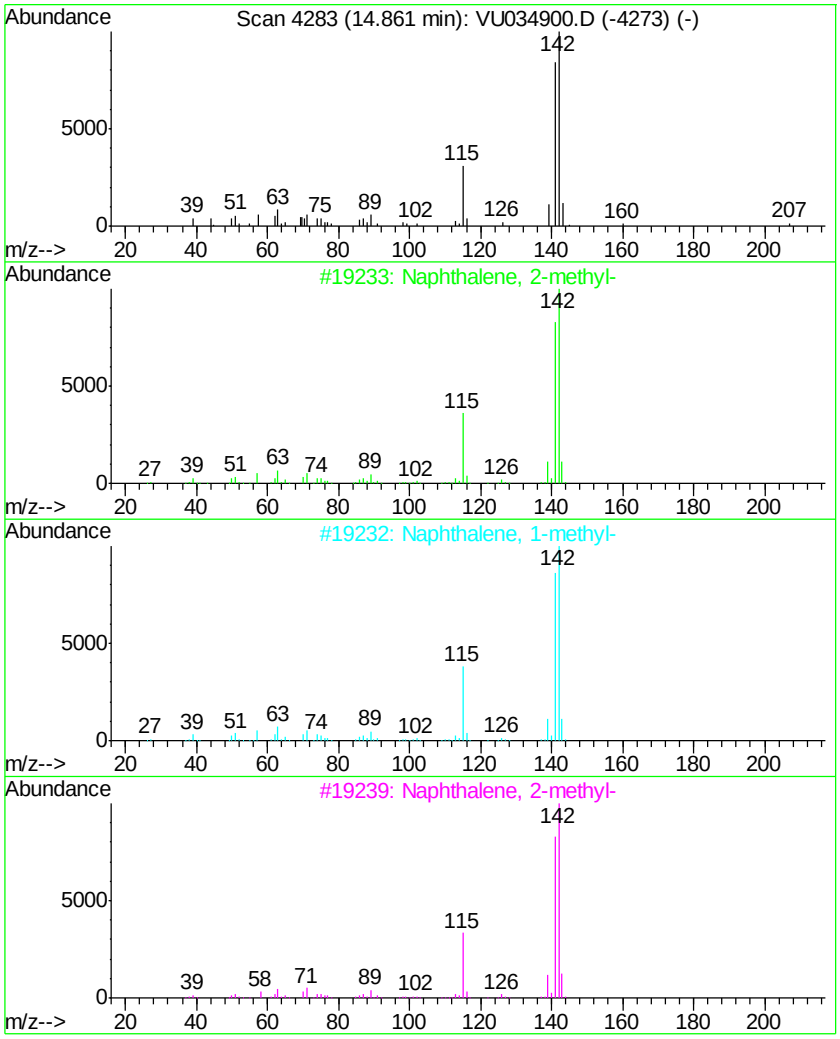
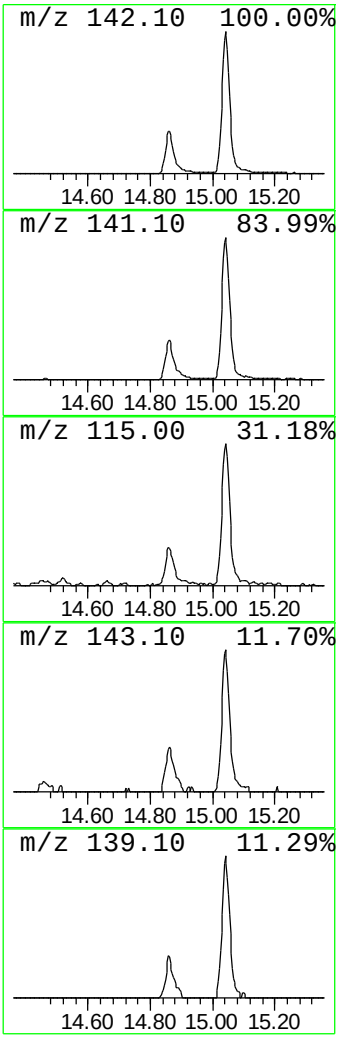
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.99 ug/L	63733	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100219\
Data File : VU034900.D
Acq On : 01 Oct 2019 20:07
Operator : JC/SP
Sample : K5028-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDL1

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
Isopropyl acetate	5.53	5.7	ug/L	118540	1	5.86	1042320	50.0
n-Propyl acetate	6.68	93.8	ug/L	1955070	1	5.86	1042320	50.0
Propanoic acid, 1...	7.40	12.3	ug/L	257253	1	5.86	1042320	50.0
Propanoic acid, 2...	8.13	17.6	ug/L	422246	2	9.07	1200270	50.0
Propanoic acid, p...	8.40	29.7	ug/L	712469	2	9.07	1200270	50.0
Butanoic acid, 1-...	8.88	34.4	ug/L	826794	2	9.07	1200270	50.0
Benzene, propyl-	10.57	4.6	ug/L	98360	3	11.46	1065290	50.0
Benzene, 1-ethyl-...	10.68	4.3	ug/L	92415	3	11.46	1065290	50.0
Benzene, 1,2,3-tr...	11.13	23.4	ug/L	499254	3	11.46	1065290	50.0
Indane	11.74	13.0	ug/L	276458	3	11.46	1065290	50.0
Benzene, 4-ethyl-...	12.12	3.2	ug/L	67254	3	11.46	1065290	50.0
o-Cymene	12.23	6.3	ug/L	134254	3	11.46	1065290	50.0
Indan, 1-methyl-	12.33	5.2	ug/L	111641	3	11.46	1065290	50.0
1,3-Cyclopentadie...	12.63	5.3	ug/L	111798	3	11.46	1065290	50.0
1H-Indene, 2,3-di...	12.94	3.8	ug/L	79983	3	11.46	1065290	50.0
Benzene, 2-etheny...	13.10	13.5	ug/L	287566	3	11.46	1065290	50.0
1H-Indene, 1-methyl-	13.27	2.8	ug/L	60479	3	11.46	1065290	50.0
Naphthalene, 1-me...	14.86	3.0	ug/L	63733	3	11.46	1065290	50.0