LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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	1.392	84	94	106	rBV	367664	407959	2.45%	0.362%
2	1.466	110	117	127	rVV	115155	126853	0.76%	0.113%
3	1.543	133	141	151	rVB	44872	66499	0.40%	0.059%
4	1.672	173	181	194	rVB	276412	350111	2.10%	0.311%
5	1.746	198	204	215	rVB2	61377	81067	0.49%	0.072%
6	1.945	258	266	273	rBV6	25401	40001	0.24%	0.035%
7	2.170	329	336	345	rVB	49674	73114	0.44%	0.065%
8	2.257	351	363	373	rBV	498359	777101	4.66%	0.689%
9	2.305	373	378	391	rVB	77051	115925	0.69%	0.103%
10	2.685	482	496	503	rBV7	25361	58164	0.35%	0.052%
11	2.775	516	524	542	rVB4	30707	79480	0.48%	0.071%
12	3.167	635	646	663	rBV5	19666	45422	0.27%	0.040%
13	3.537	750	761	774	rVB3	21723	48334	0.29%	0.043%
14	3.865	849	863	880	rVB4	16868	44704	0.27%	0.040%
15	3.968	882	895	910	rBV4	29555	79649	0.48%	0.071%
16	4.067	912	926	939	rVV2	54266	143333	0.86%	0.127%
17	4.148	939	951	1003	rVB	251352	787589	4.72%	0.699%
18	4.621	1080	1098	1120	rBV	372177	891724	5.35%	0.791%
19	4.756	1128	1140	1156	rVB2	50473	117180	0.70%	0.104%
20	4.971	1189	1207	1224	rBV3	71229	177621	1.06%	0.158%
21	5.315	1291	1314	1322	rBV2	783220	2271148	13.62%	2.015%
22	5.363	1323	1329	1351	rVB	808100	1666531	9.99%	1.478%
23	5.527	1365	1380	1395	rBV2	102191	221571	1.33%	0.197%
24	5.862	1471	1484	1499	rBV	628429	1256143	7.53%	1.114%
25	6.164	1565	1578	1602	rVB2	296578	633810	3.80%	0.562%
26	6.309	1608	1623	1638	rBV	526875	1076833	6.46%	0.955%
27	6.395	1639	1650	1674	rVB6	107871	280323	1.68%	0.249%
28	6.514	1678	1687	1695	rBV3	23495	44280	0.27%	0.039%
29	6.682	1727	1739	1767	rBV	2261263	4080642	24.46%	3.620%
30	7.048	1839	1853	1862	rBV4	42121	84641	0.51%	0.075%
31	7.206	1890	1902	1923	rBV2	308128	572135	3.43%	0.508%
32	7.399	1950	1962	1969	rBV	283399	490670	2.94%	0.435%
33	7.440	1970	1975	1988	rVB	169807	276848	1.66%	0.246%
34	7.543	1994	2007	2017	rBV	1069769	1865394	11.18%	1.655%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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	7.614	2017	2029	2059	rVB	9877333	16680570	100.00%	14.798%
36	7.826	2085	2095	2106	rBV2	291369	498925	2.99%	0.443%
37	7.887	2106	2114	2141	rVB	200232	462145	2.77%	0.410%
38	8.135	2180	2191	2203	rBV	385037	635078	3.81%	0.563%
39	8.206	2203	2213	2220	rBV3	135102	230405	1.38%	0.204%
40	8.289	2229	2239	2261	rBV	943955	1581334	9.48%	1.403%
41	8.395	2262	2272	2283	rBV	715126	1100317	6.60%	0.976%
42	8.511	2300	2308	2329	rVB2	45386	96150	0.58%	0.085%
43	8.884	2410	2424	2450	rVV	795668	1279018	7.67%	1.135%
44	9.067	2459	2481	2507	rBV	976948	1857249	11.13%	1.648%
45	9.228	2518	2531	2553	rBV	2075186	3293350	19.74%	2.922%
46	9.350	2555	2569	2587	rBV	7704138	12443330	74.60%	11.039%
47	9.476	2601	2608	2616	rVB4	33102	46034	0.28%	0.041%
48	9.588	2634	2643	2653	rBV2	29267	51342	0.31%	0.046%
49	9.755	2683	2695	2724	rVB	4767759	7701335	46.17%	6.832%
50	10.144	2805	2816	2830	rVB	178452	286085	1.72%	0.254%
51	10.408	2887	2898	2917	rVV	696017	1143609	6.86%	1.015%
52	10.562	2934	2946	2959	rBV	434168	714941	4.29%	0.634%
53	10.656	2964	2975	2993	rVV	2041380	4250387	25.48%	3.771%
54	10.749	2993	3004	3037	rVB	1385099	2199143	13.18%	1.951%
55	10.894	3039	3049	3056	rBV	242975	374469	2.24%	0.332%
56	10.948	3056	3066	3087	rVB	1073549	1716268	10.29%	1.523%
57	11.058	3090	3100	3108	rBV	20038	42193	0.25%	0.037%
58	11.125	3108	3121	3135	rBV	4895500	7289379	43.70%	6.467%
59	11.193	3136	3142	3148	rBV2	25949	39273	0.24%	0.035%
60	11.238	3149	3156	3163	rBV2	51963	88739	0.53%	0.079%
61	11.321	3170	3182	3197	rBV5	170761	447991	2.69%	0.397%
62	11.402	3200	3207	3215	rVV	148159	243847	1.46%	0.216%
63	11.459	3215	3225	3241	rVB	1031432	1711327	10.26%	1.518%
64	11.546	3241	3252	3266	rBV	2004327	3033454	18.19%	2.691%
65	11.739	3299	3312	3322	rBV3	1435243	2788258	16.72%	2.474%
66	11.839	3333	3343	3368	rVB5	1485948	3350777	20.09%	2.973%
67	11.955	3370	3379	3393	rVV	236355	393434	2.36%	0.349%
68	12.032	3394	3403	3415	rVB	153844	244186	1.46%	0.217%
69	12.122	3421	3431	3436	rBV	311255	482631	2.89%	0.428%
70	12.154	3436	3441	3454	rVB2	290398	421124	2.52%	0.374%
71	12.228	3454	3464	3471	rBV	481820	719032	4.31%	0.638%

LSC Area Percent Report

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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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	12.331	3486	3496	3517	rBV2	379778	757045	4.54%	0.672%
73	12.527	3548	3557	3569	rVB2	179899	297537	1.78%	0.264%
74	12.594	3570	3578	3581	rBV2	78597	108166	0.65%	0.096%
75	12.627	3581	3588	3596	rVV	326842	482732	2.89%	0.428%
76	12.678	3596	3604	3621	rVB	521558	814880	4.89%	0.723%
77	12.765	3623	3631	3636	rBV4	35649	53138	0.32%	0.047%
78	12.942	3677	3686	3700	rVB	400345	605549	3.63%	0.537%
79	13.099	3716	3735	3746	rBV3	920538	1538058	9.22%	1.365%
80	13.164	3748	3755	3765	rVV4	126253	218911	1.31%	0.194%
81	13.215	3766	3771	3777	rVV	33795	45039	0.27%	0.040%
82	13.266	3778	3787	3808	rVB3	251952	433694	2.60%	0.385%
83	13.376	3811	3821	3831	rBV4	104735	193066	1.16%	0.171%
84	13.430	3831	3838	3847	rVV2	91267	150929	0.90%	0.134%
85	13.485	3847	3855	3871	rVV4	128857	274275	1.64%	0.243%
86	13.556	3872	3877	3880	rVV3	51134	64972	0.39%	0.058%
87	13.588	3881	3887	3910	rVB2	112321	243573	1.46%	0.216%
88	13.720	3912	3928	3954	rBV	2623524	4254993	25.51%	3.775%
89	13.839	3956	3965	3980	rVB	149171	250125	1.50%	0.222%
90	13.932	3985	3994	4004	rVV9	40648	89247	0.54%	0.079%
91	13.990	4007	4012	4021	rVB2	38429	54956	0.33%	0.049%
92	14.131	4046	4056	4073	rBV3	79490	143473	0.86%	0.127%
93	14.315	4103	4113	4125	rBV5	73660	167088	1.00%	0.148%
94	14.456	4146	4157	4166	rBV4	34210	66721	0.40%	0.059%
95	14.517	4167	4176	4187	rVB4	79480	143345	0.86%	0.127%
96	14.655	4213	4219	4231	rVB5	30542	52996	0.32%	0.047%
97	14.800	4253	4264	4270	rBV2	30304	51194	0.31%	0.045%
98	14.855	4270	4281	4308	rVB	655484	1115472	6.69%	0.990%
99	15.038	4327	4338	4352	rBV	440999	730444	4.38%	0.648%
100	16.044	4640	4651	4658	rBV5	24644	47204	0.28%	0.042%

Sum of corrected areas: 112718750

LSC Report - Integrated Chromatogram

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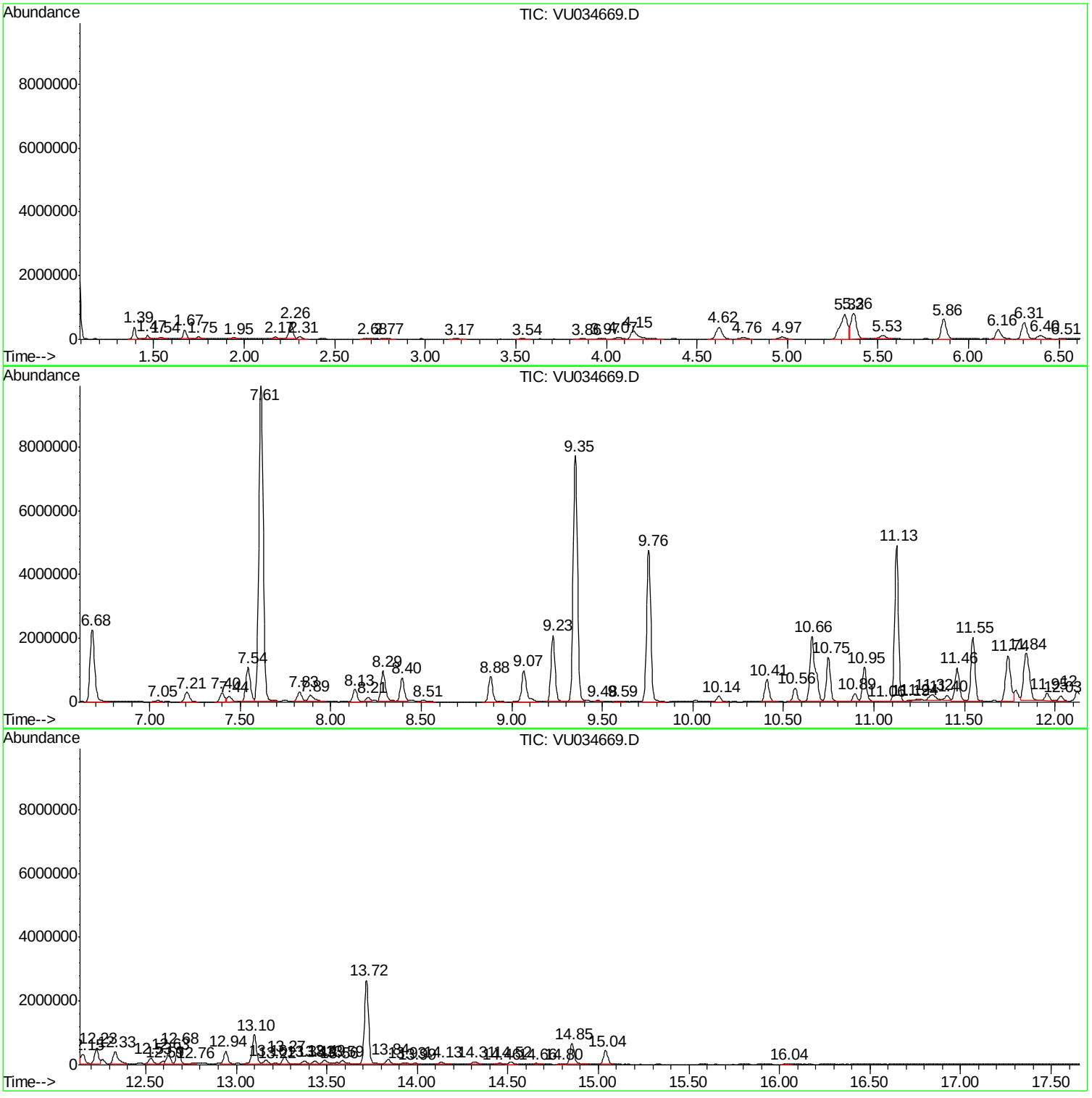
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

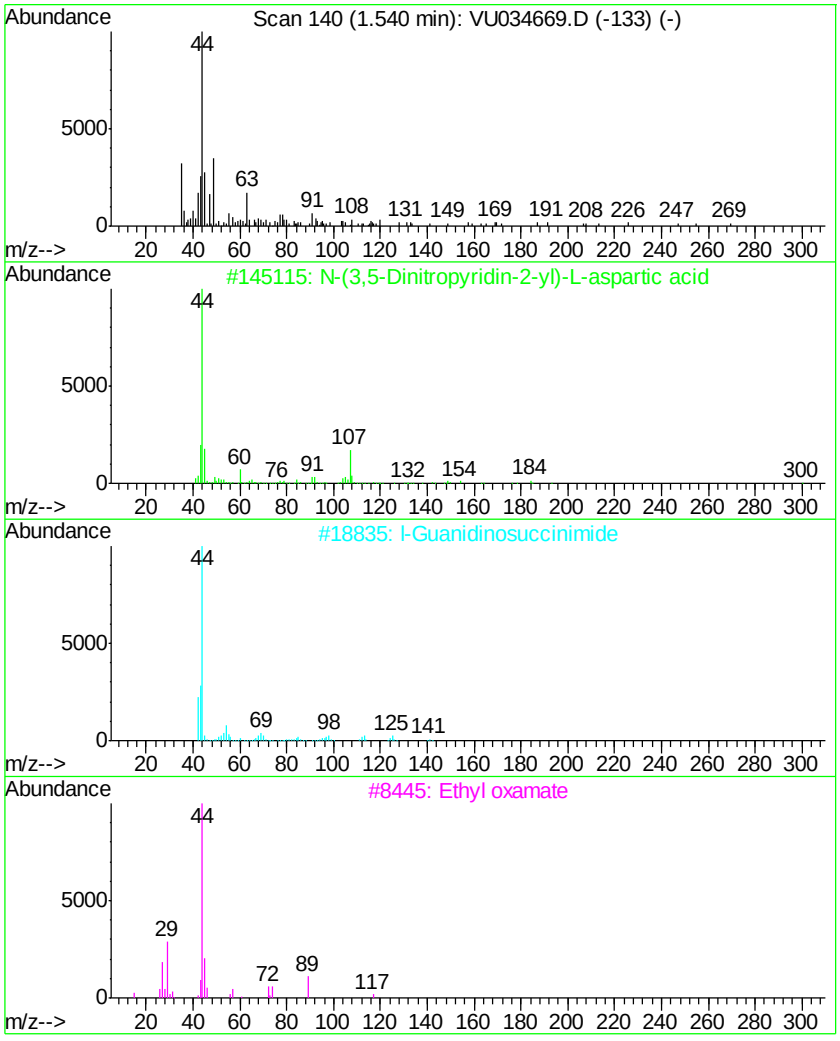
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

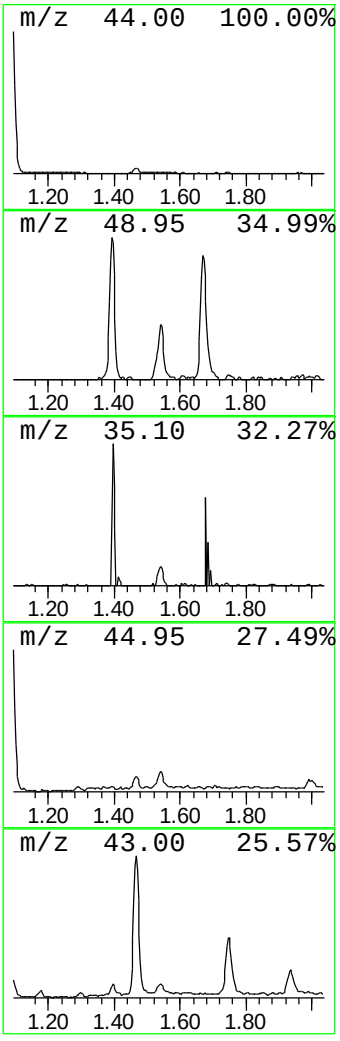
****

Peak Number 2 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.54	2.65 ug/L	66499	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(3,5-Dinitropyridin-2-yl)-L-as...	300	C9H8N4O8	035899-60-6	32
2	l-Guanidinosuccinimide	141	C5H7N3O2	1000130-20-8	27
3	Ethyl oxamate	117	C4H7NO3	000617-36-7	22
4	2-Methylaminomethyl-1,3-dioxolane	117	C5H11NO2	057366-77-5	22
5	Propanamide, 3,3,3-trifluoro-2-(...	195	C4H3F6NO	1000351-46-4	16





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

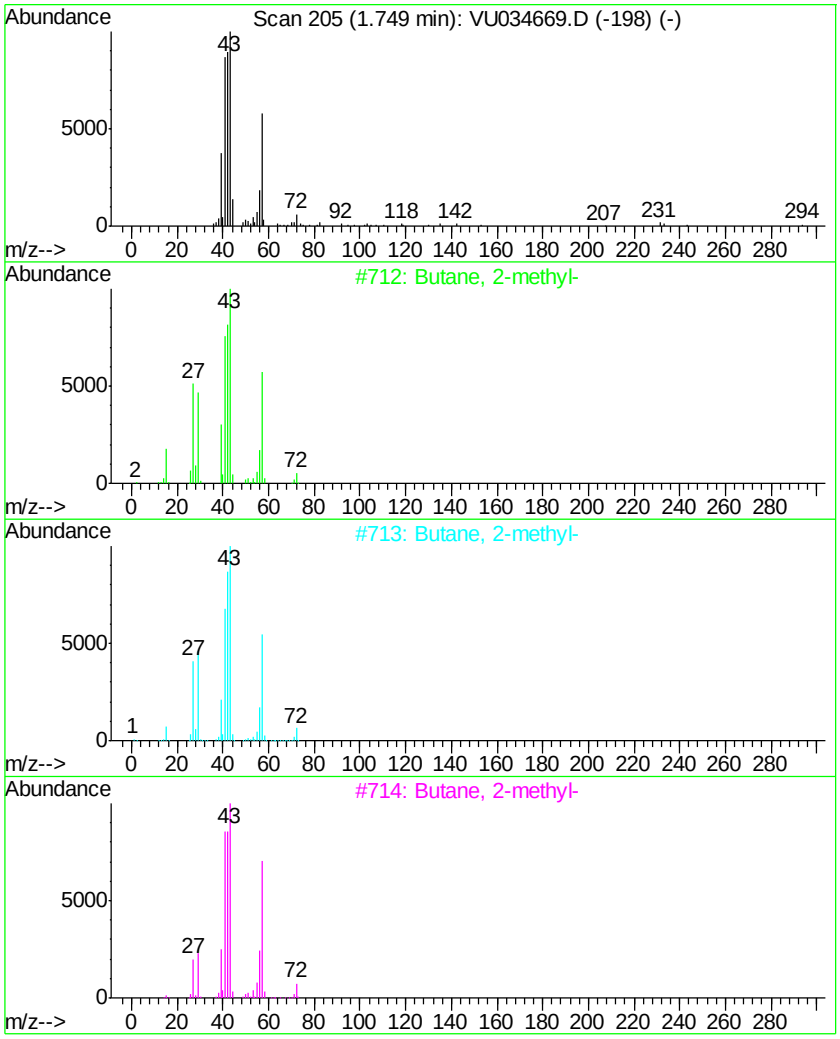
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

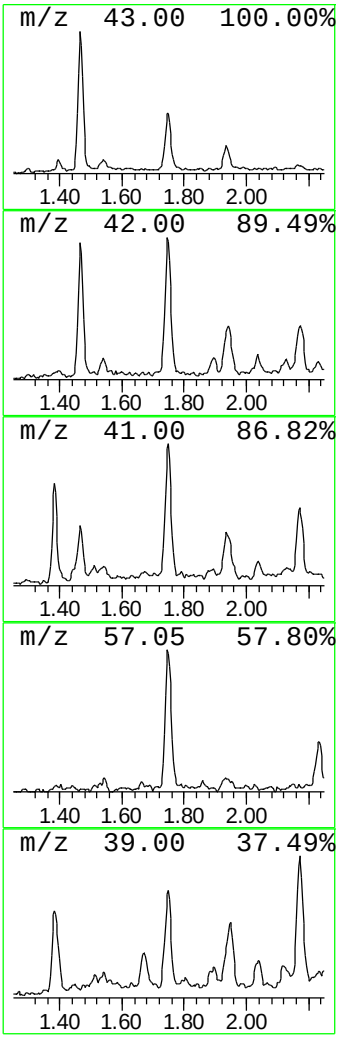
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	3.23 ug/L	81067	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	49
4	3-n-Butyl-6-[3',6'-bis[trifluoro...	455	C24H23F6NO	1000214-59-3	38
5	Aziridine, 1-methyl-	57	C3H7N	001072-44-2	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

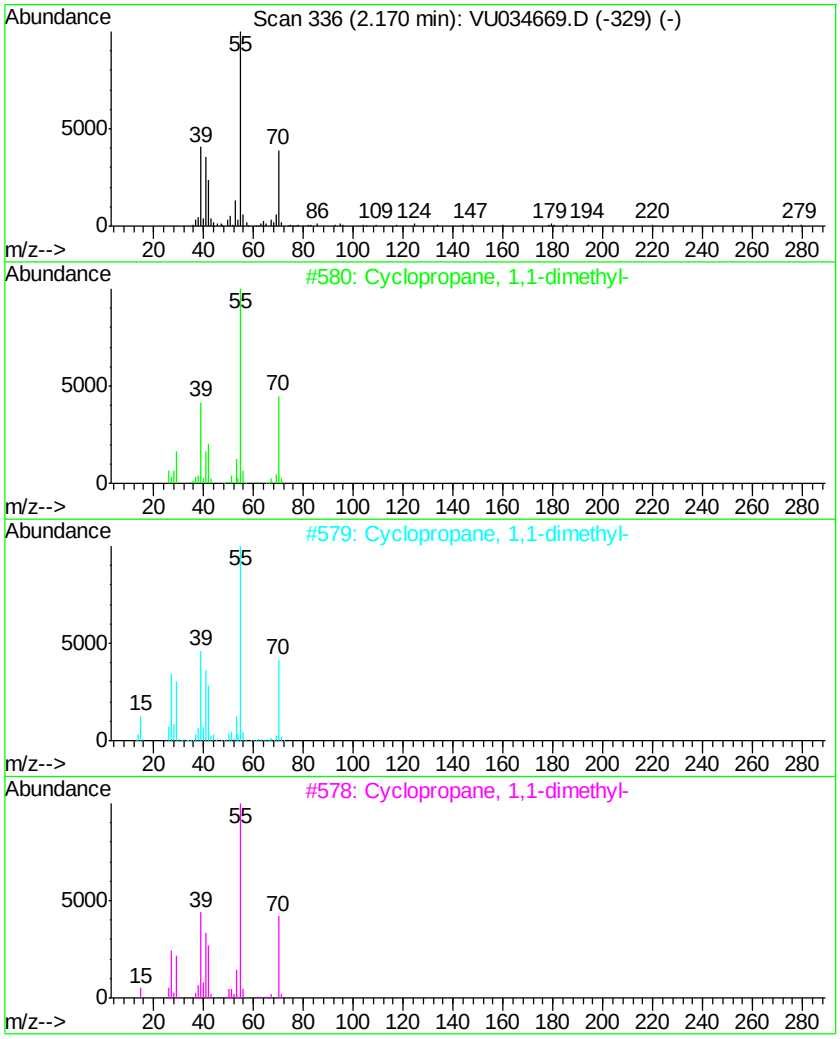
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

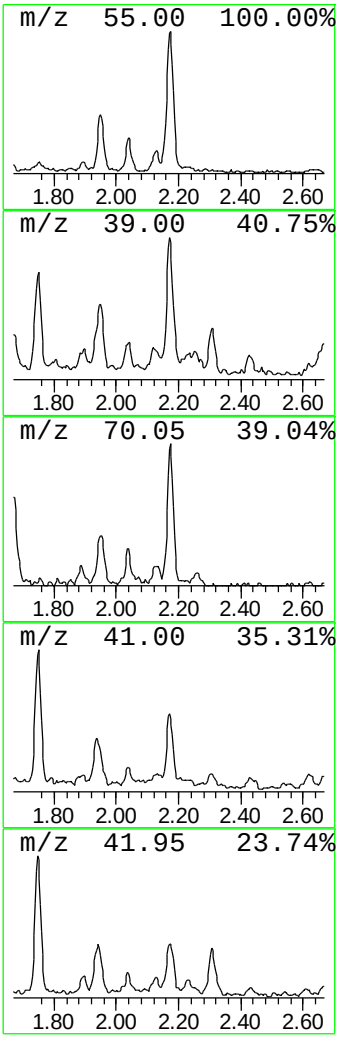
****

Peak Number 4 (DEL) Alkane: Cyclic2.17 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	2.91 ug/L	73114	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	90
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
3	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	68





Library Search Compound Report

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Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

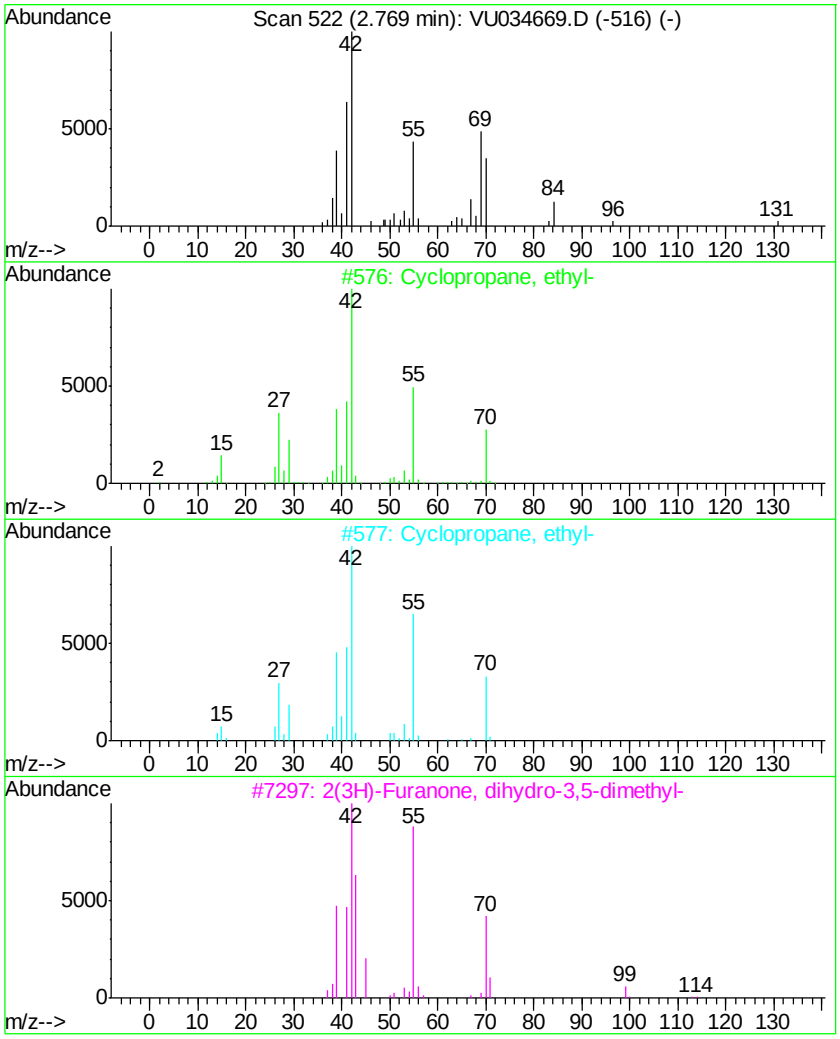
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

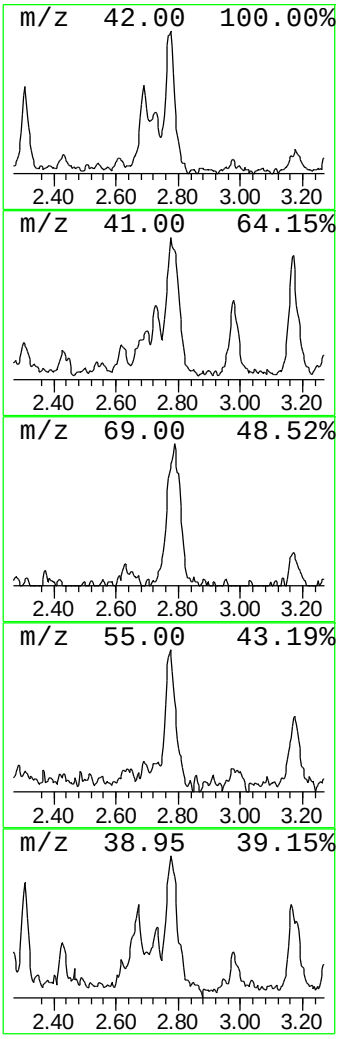
****

Peak Number 5 (DEL) Alkane: Cyclic2.77 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	3.16 ug/L	79480	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
3	2(3H)-Furanone, dihydro-3,5-dime...	114	C6H10O2	005145-01-7	53
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	43
5	(E)-1,3-Butadien-1-ol	70	C4H6O	070411-98-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

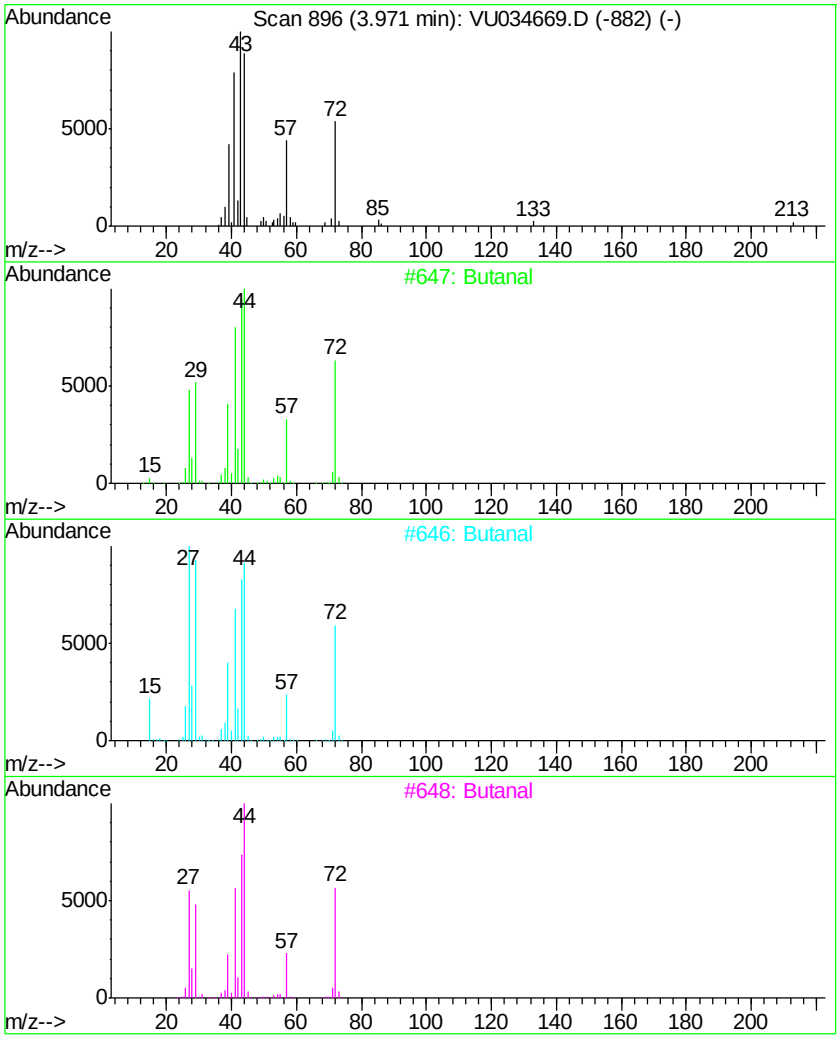
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

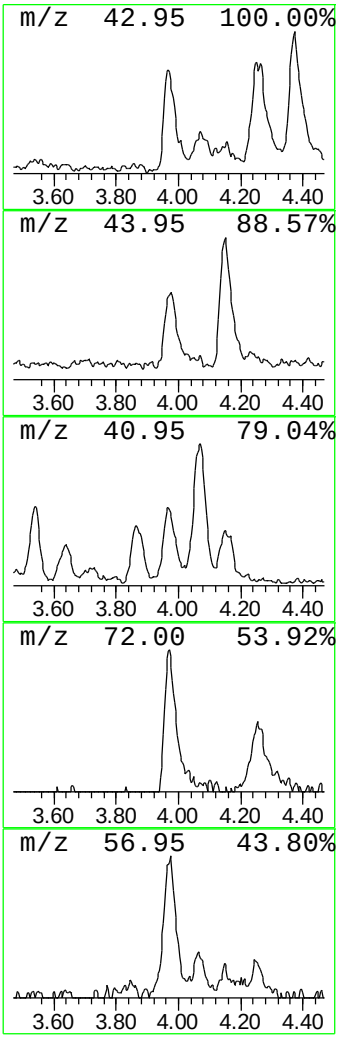
****

Peak Number 6 Butanal Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	3.17 ug/L	79649	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	83
2	Butanal	72	C4H8O	000123-72-8	80
3	Butanal	72	C4H8O	000123-72-8	52
4	Butanal	72	C4H8O	000123-72-8	50
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	49





Library Search Compound Report

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Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

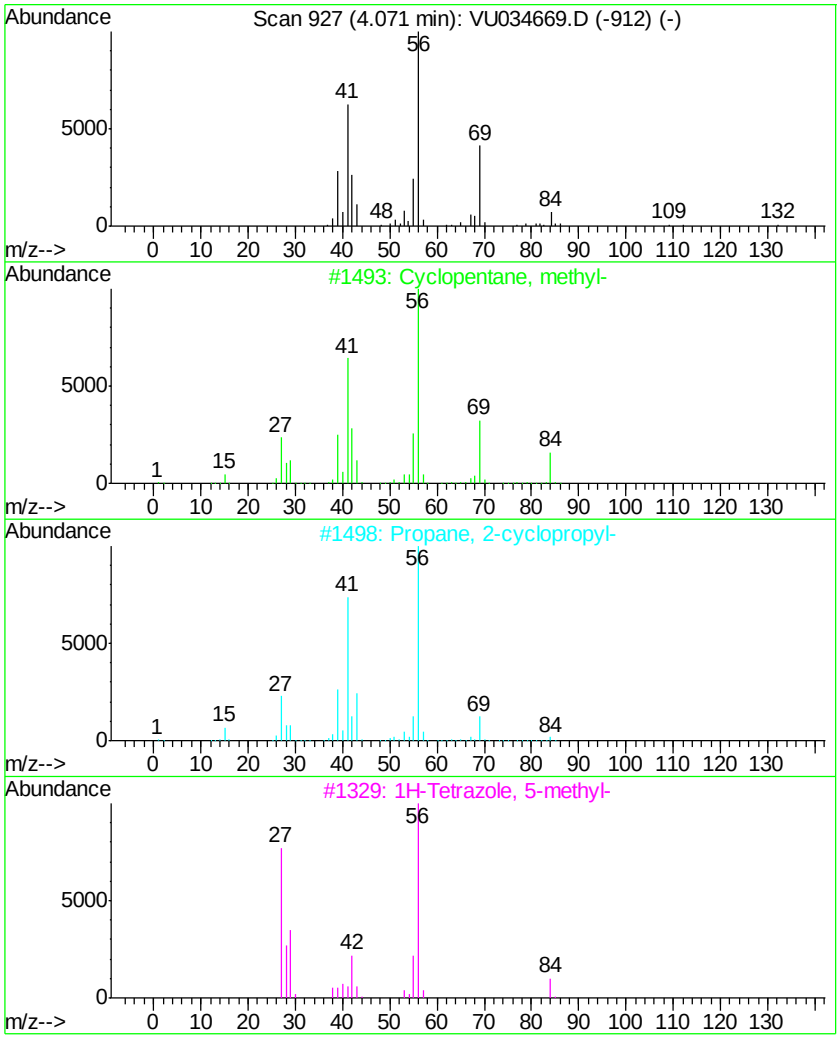
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

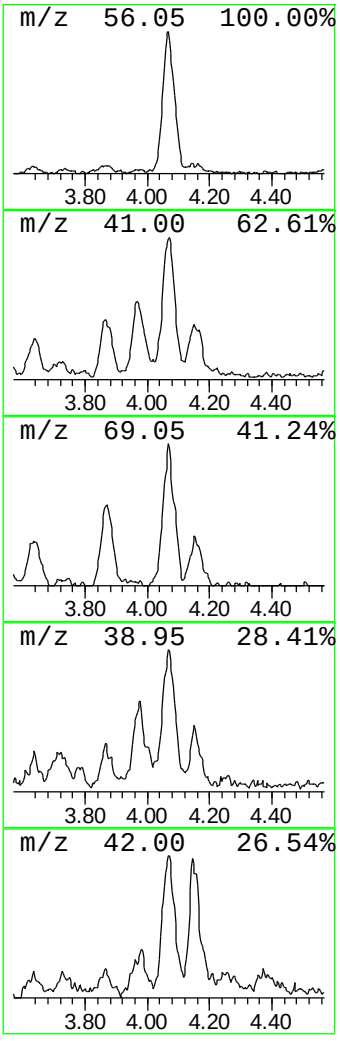
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic4.07 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	5.71 ug/L	143333	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	56
5	Cyclohexane	84	C6H12	000110-82-7	56





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Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

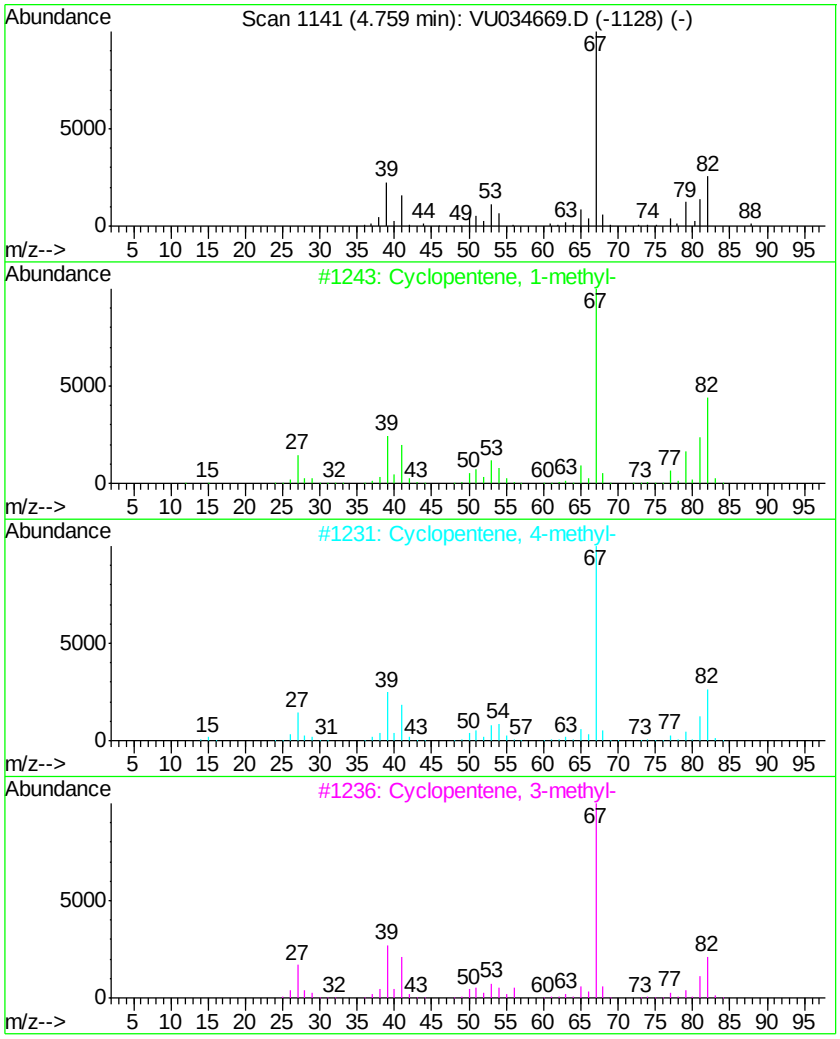
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

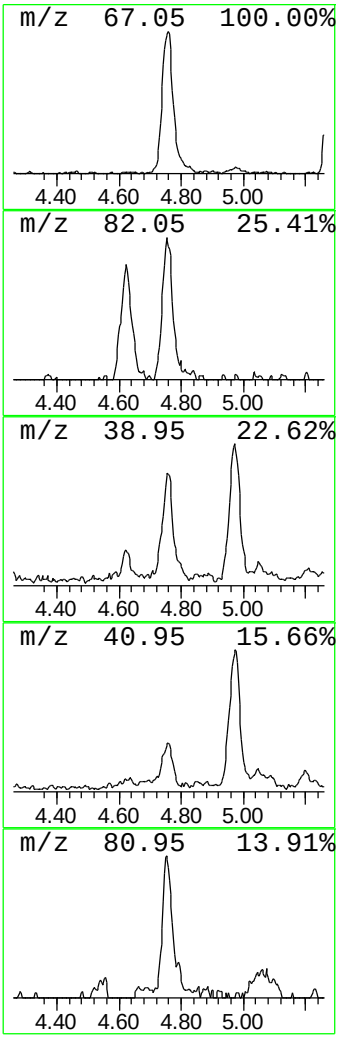
****

Peak Number 8 Cyclopentene, 1-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	4.66 ug/L	117180	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
4	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	83
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	83





Library Search Compound Report

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Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

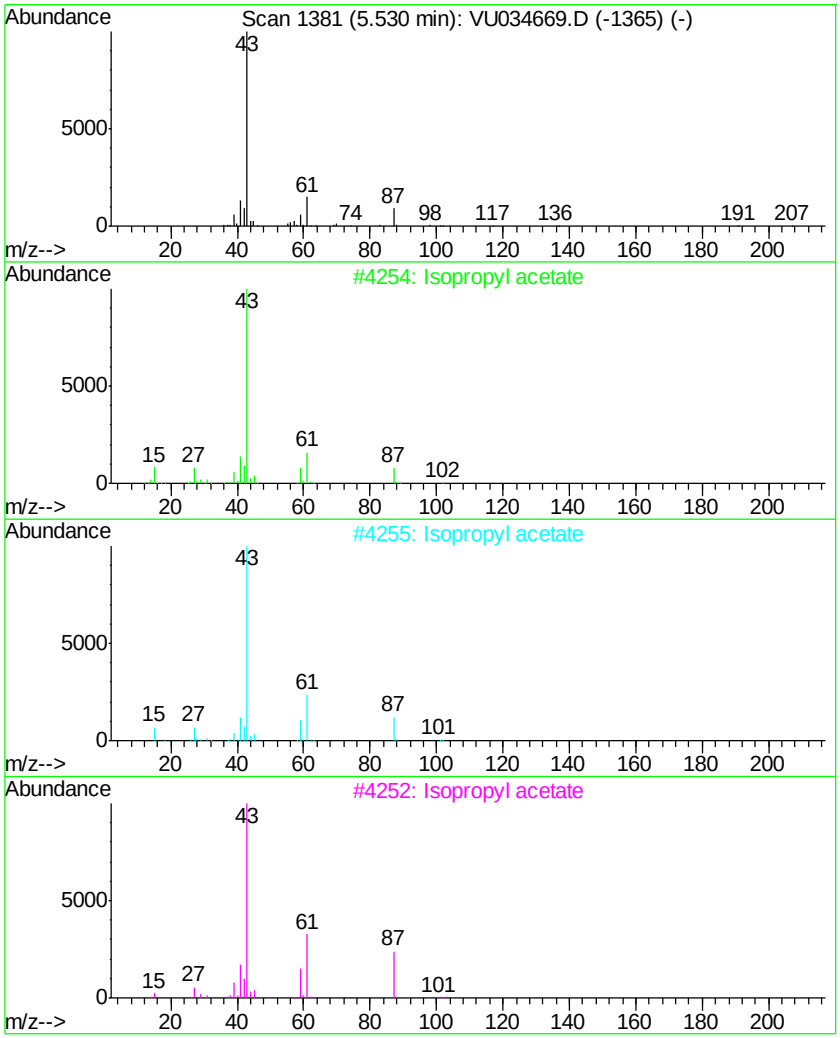
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

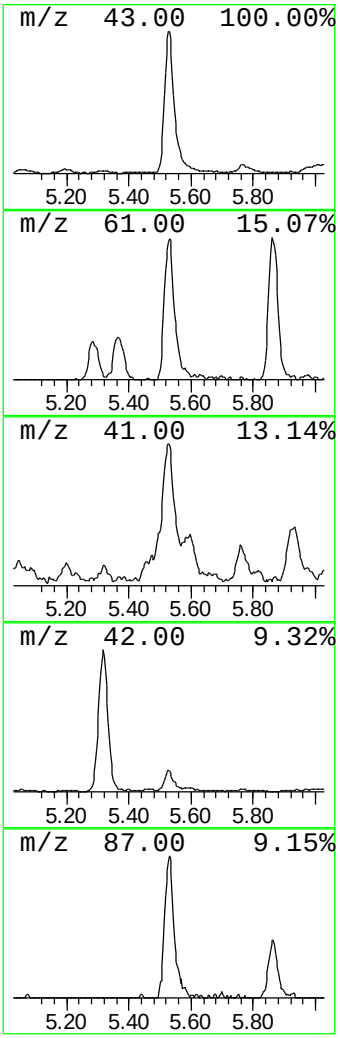
****

Peak Number 9 Isopropyl acetate Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.82 ug/L	221571	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	64
2	Isopropyl acetate	102	C5H10O2	000108-21-4	50
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Isopropyl acetate	102	C5H10O2	000108-21-4	50
5	1-Pentanamine	87	C5H13N	000110-58-7	9





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

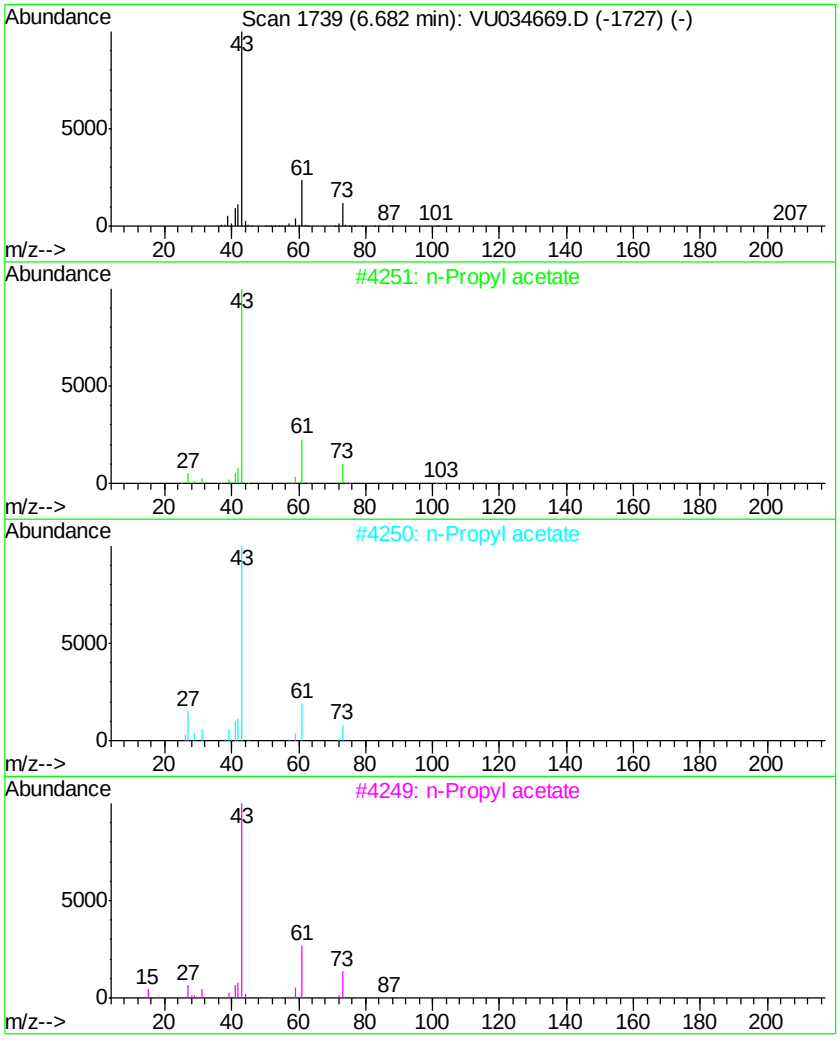
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

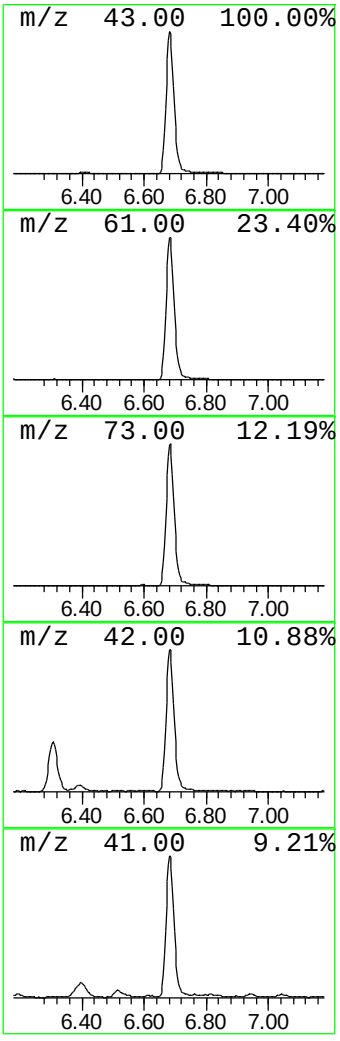
****

Peak Number 10 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	162.43 ug/L	4080640	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	78
4	Isopropyl acetate	102	C5H10O2	000108-21-4	36
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

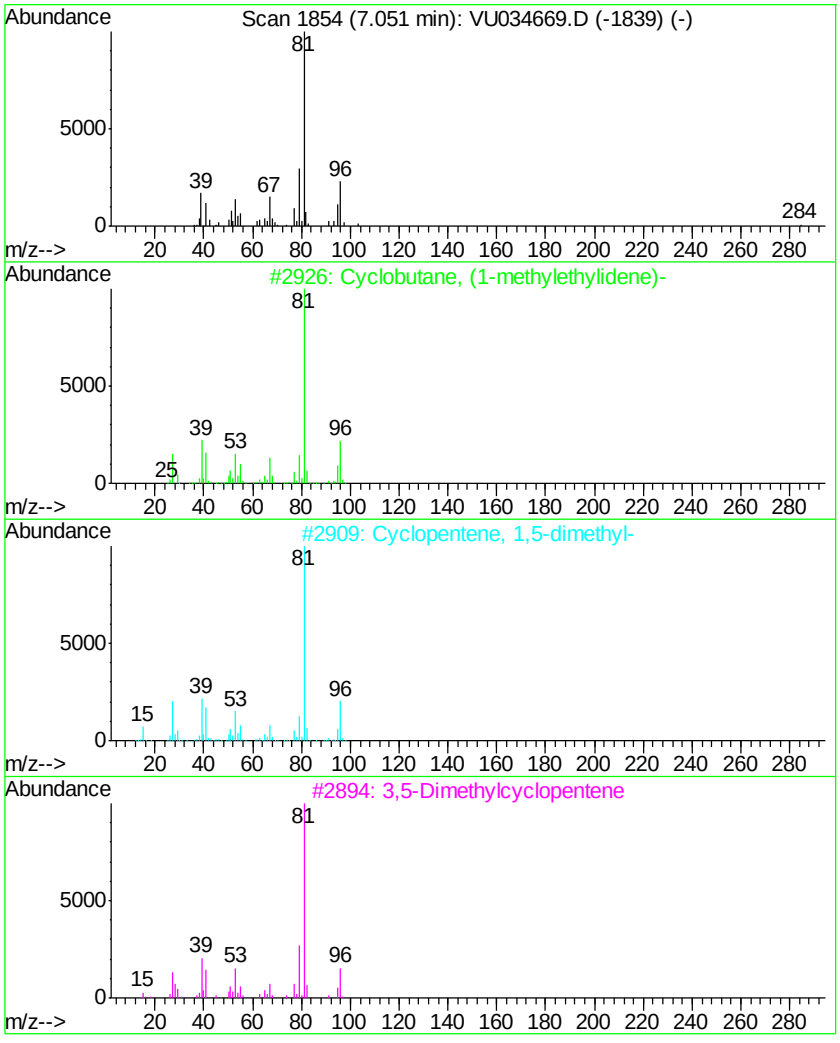
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

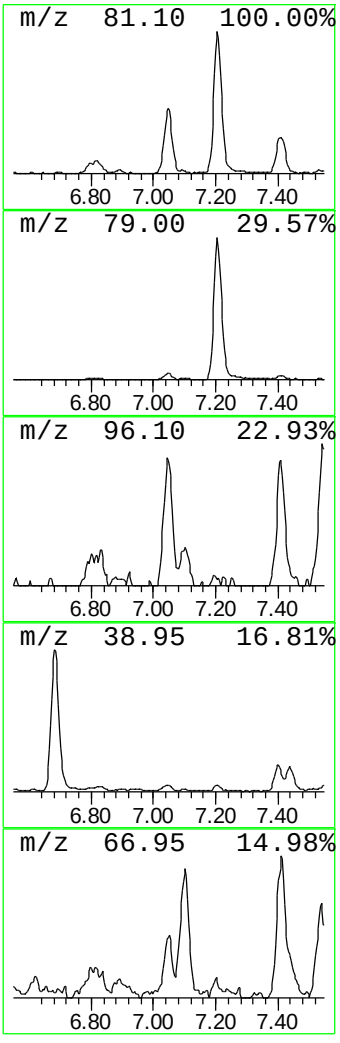
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclobutane, (1-methylethyl... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	3.37 ug/L	84641	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	72
4	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	64
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	64





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

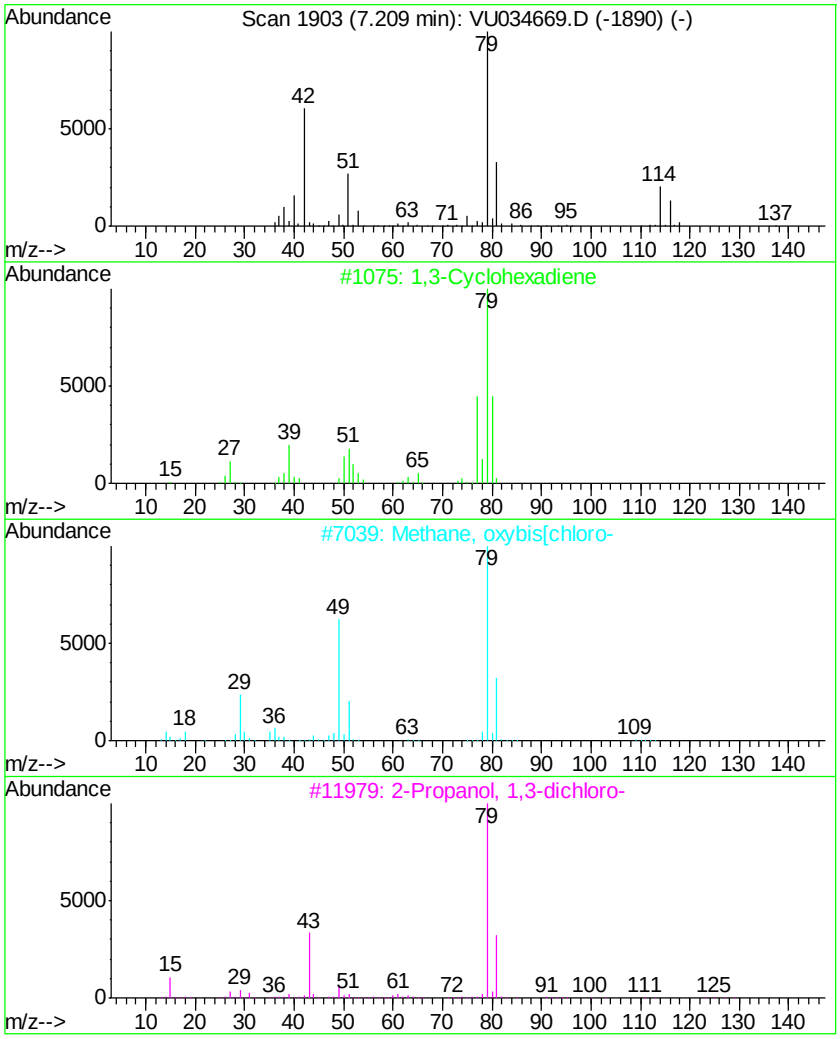
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

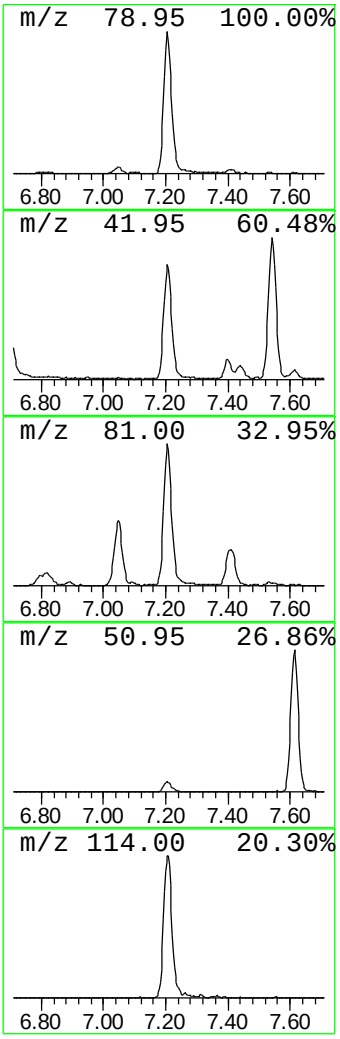
****

Peak Number 12 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	22.77 ug/L	572135	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclohexadiene	80	C6H8	000592-57-4	28
2	Methane, oxybis[chloro-	114	C2H4Cl2O	000542-88-1	25
3	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	23
4	2-Propanol, 1,3-dichloro-	128	C3H6Cl2O	000096-23-1	17
5	Cyclopropane	42	C3H6	000075-19-4	10





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

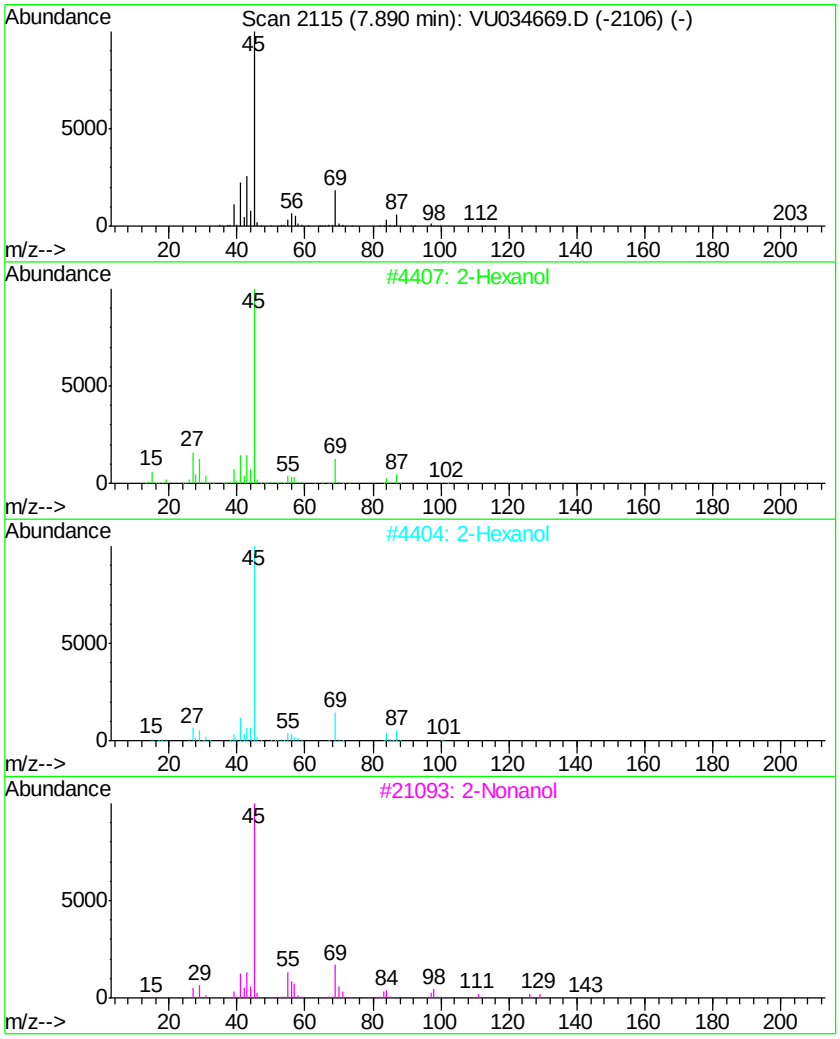
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

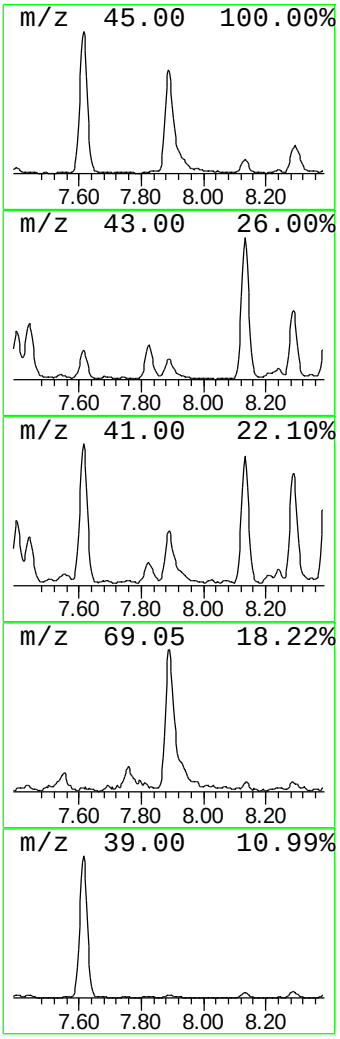
****

Peak Number 13 2-Hexanol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	12.44 ug/L	462145	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	78
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Nonanol	144	C9H20O	000628-99-9	78
4	2-Hexanol	102	C6H14O	000626-93-7	78
5	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64





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Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

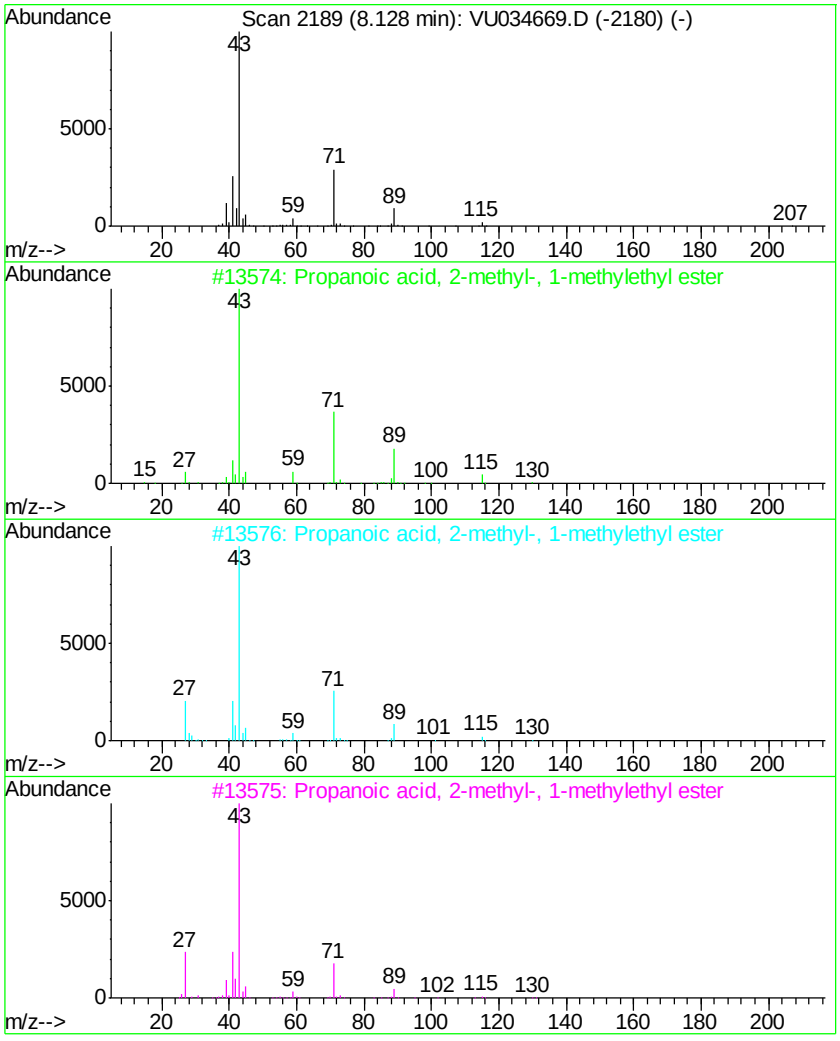
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

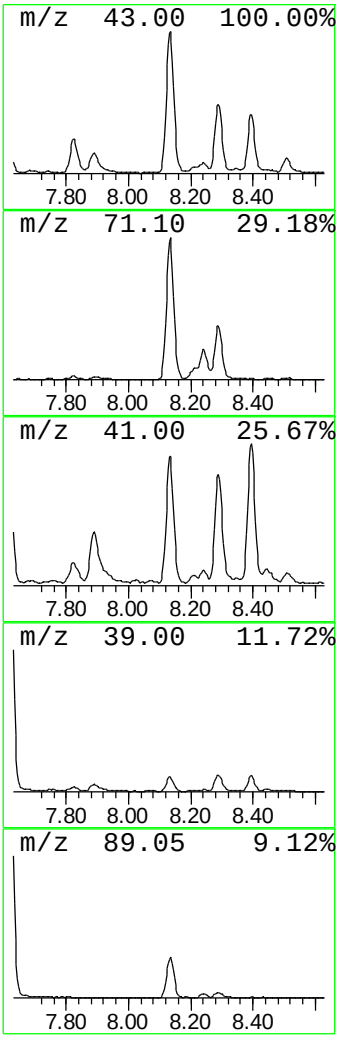
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Propanoic acid, 2-methyl-, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.10 ug/L	635078	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	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	33





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

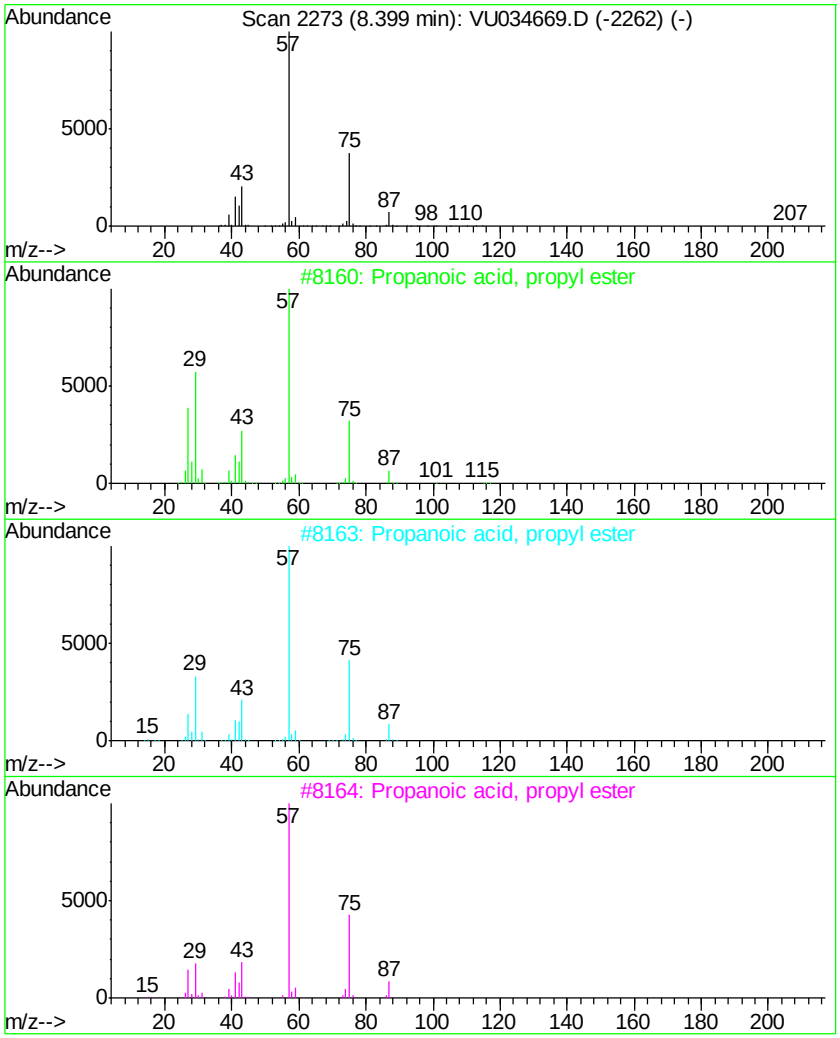
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

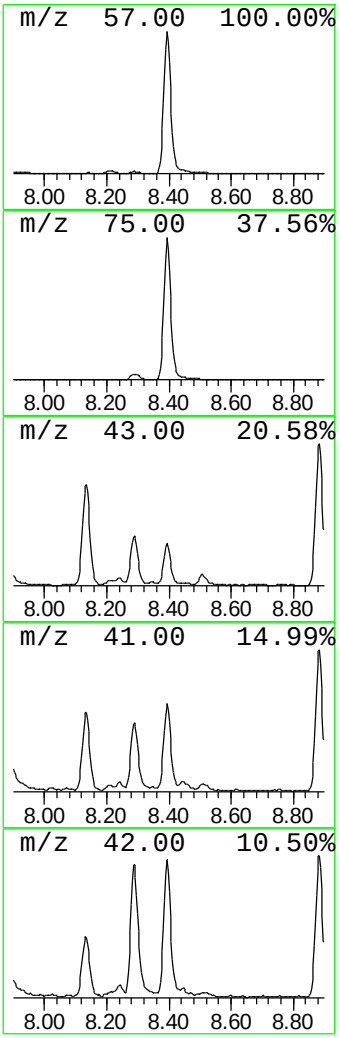
****

Peak Number 15 Propanoic acid, propyl ester Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	29.62 ug/L	1100320	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	64
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





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Acq On : 20 Sep 2019 00:10
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Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

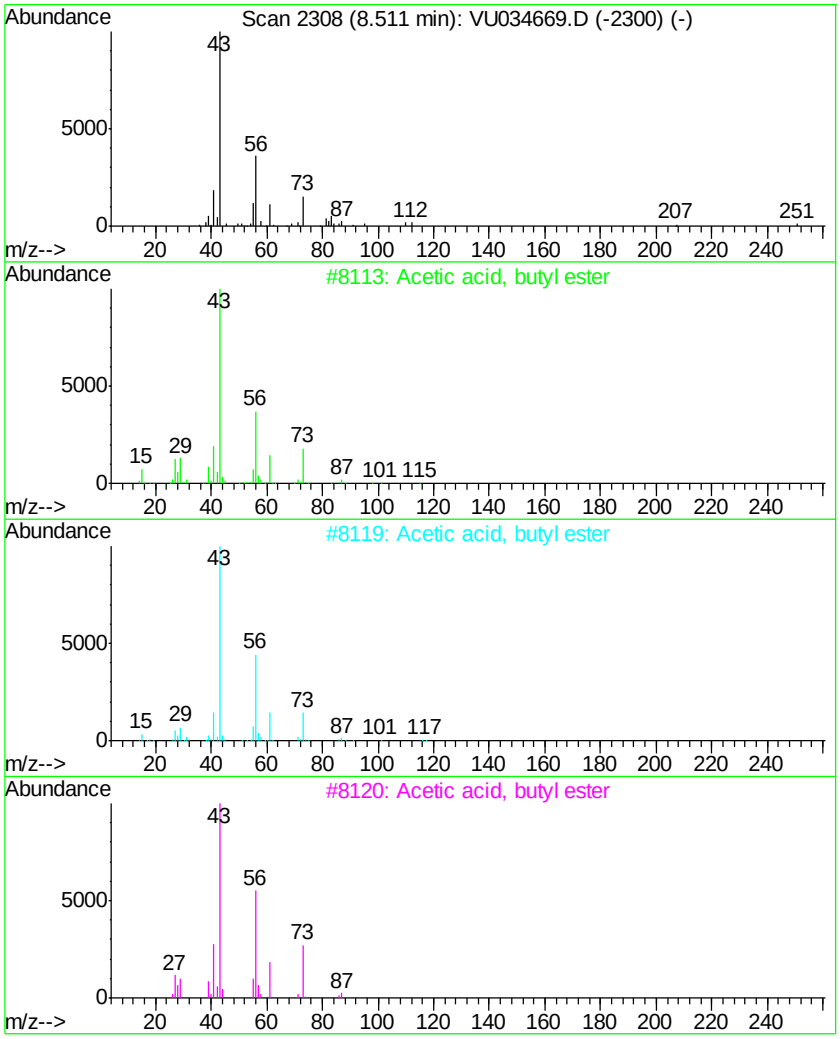
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

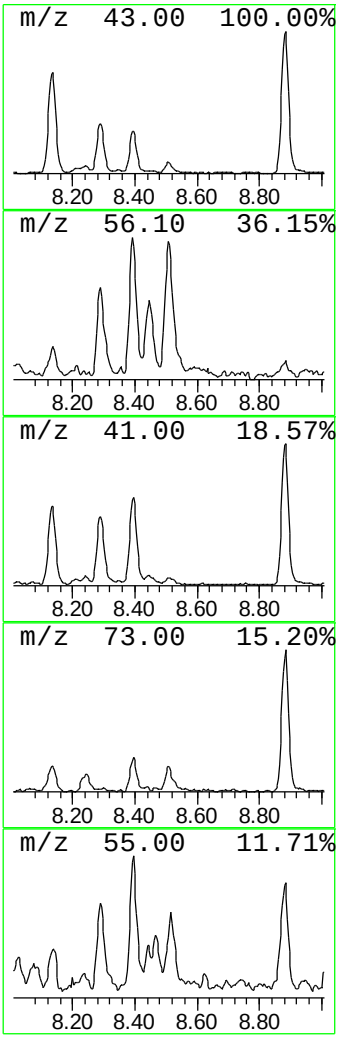
****

Peak Number 16 Acetic acid, butyl ester Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	2.59 ug/L	96150	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	72
2	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	64
3	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	53
4	Acetic acid, butyl ester	116	C6H12O2	000123-86-4	42
5	2,2-Dimethyl-1,3-propanediamine	102	C5H14N2	007328-91-8	12





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Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

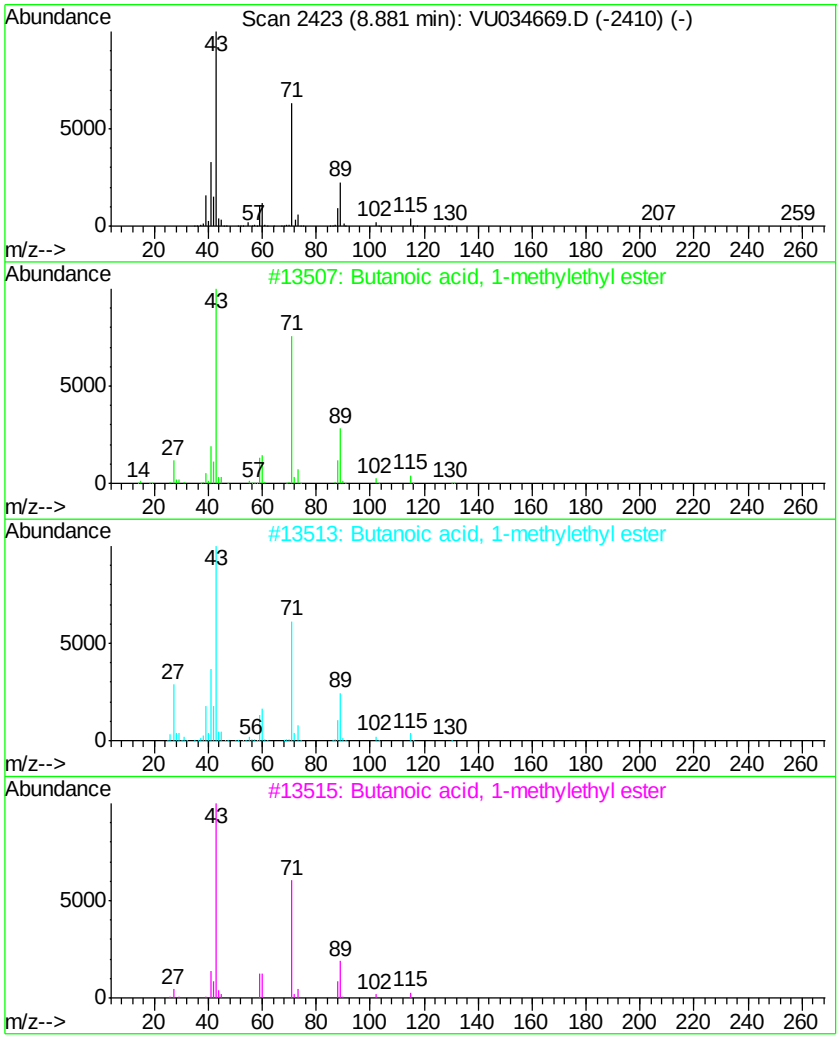
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

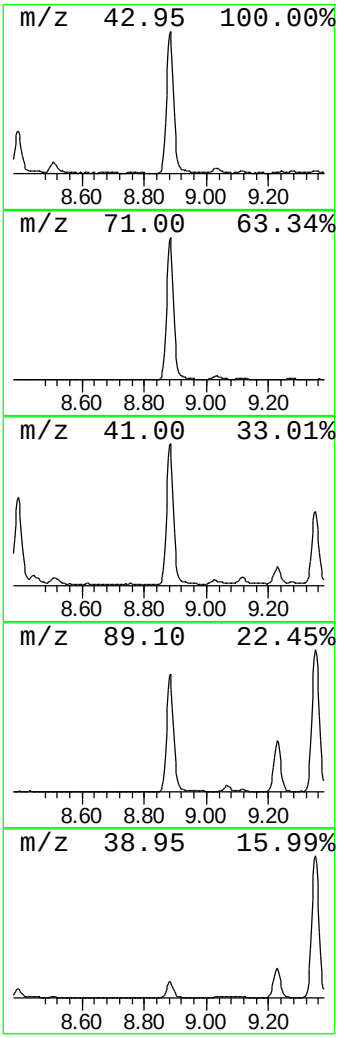
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Butanoic acid, 1-methylethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.43 ug/L	1279020	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	78
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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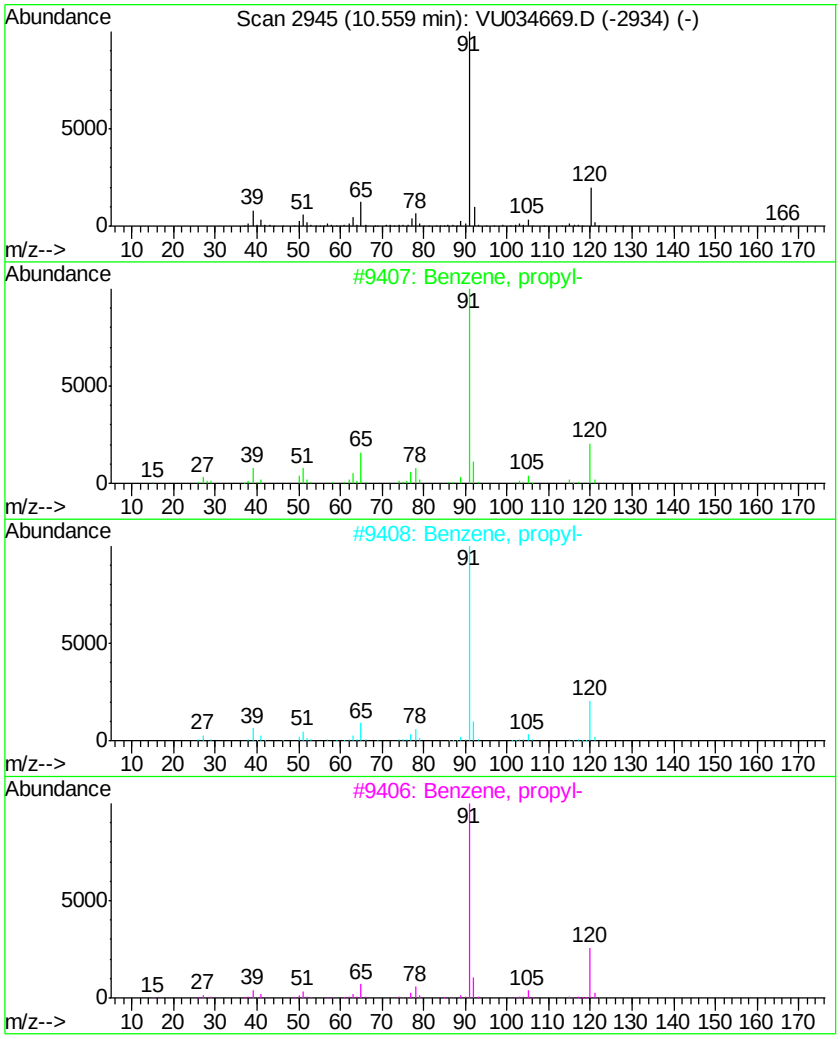
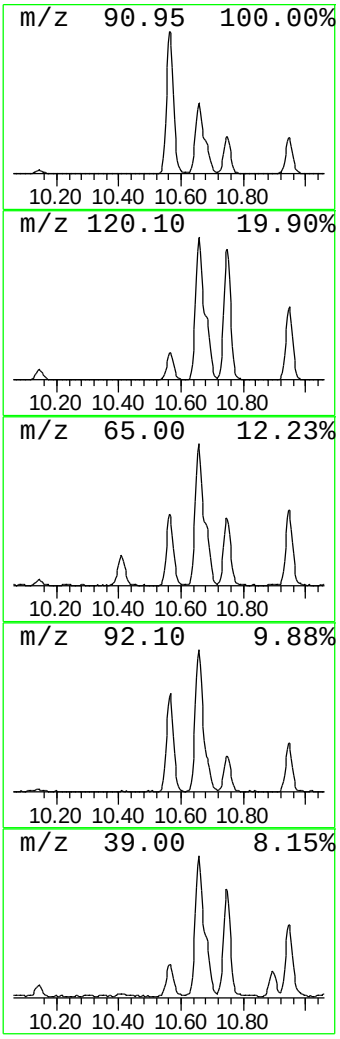
Peak Number 18 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	20.89 ug/L	714941	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

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

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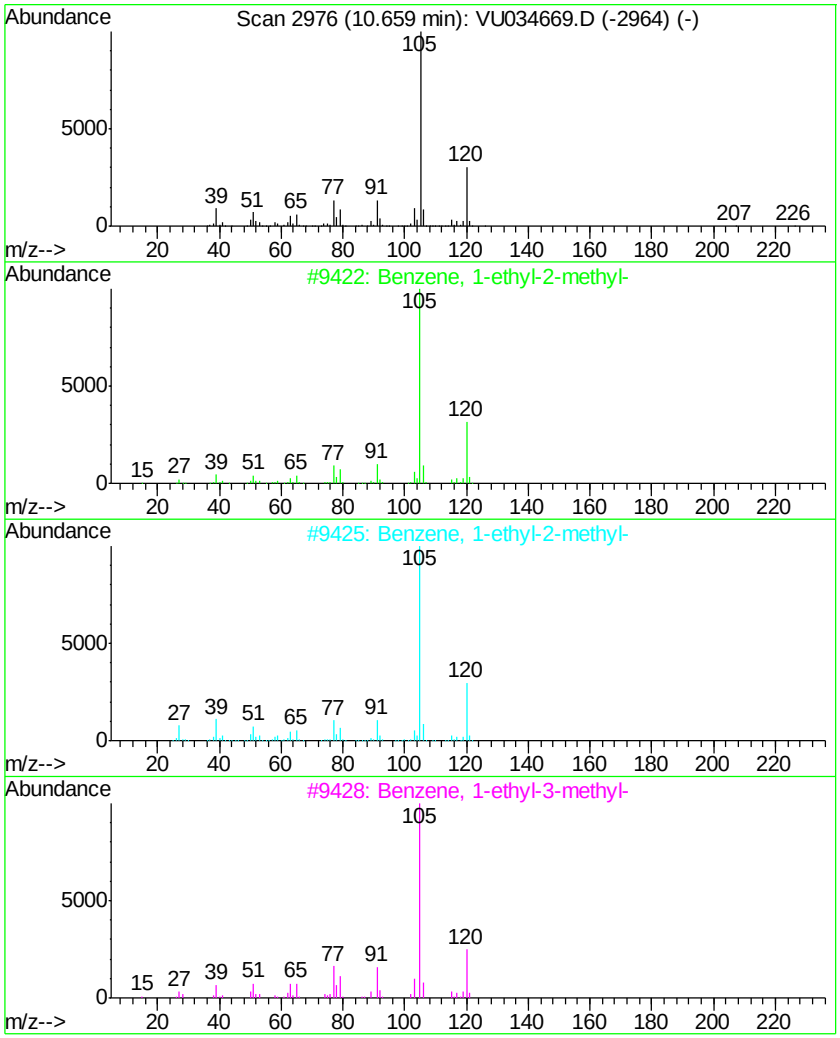
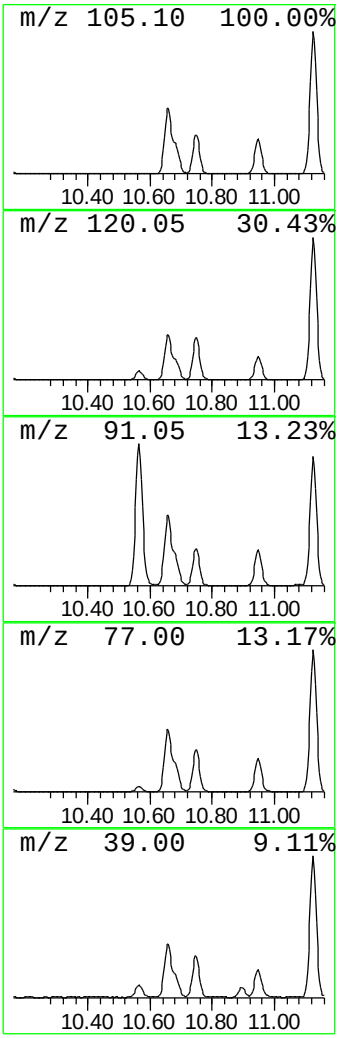
Peak Number 19 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	124.18 ug/L	4250390	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

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

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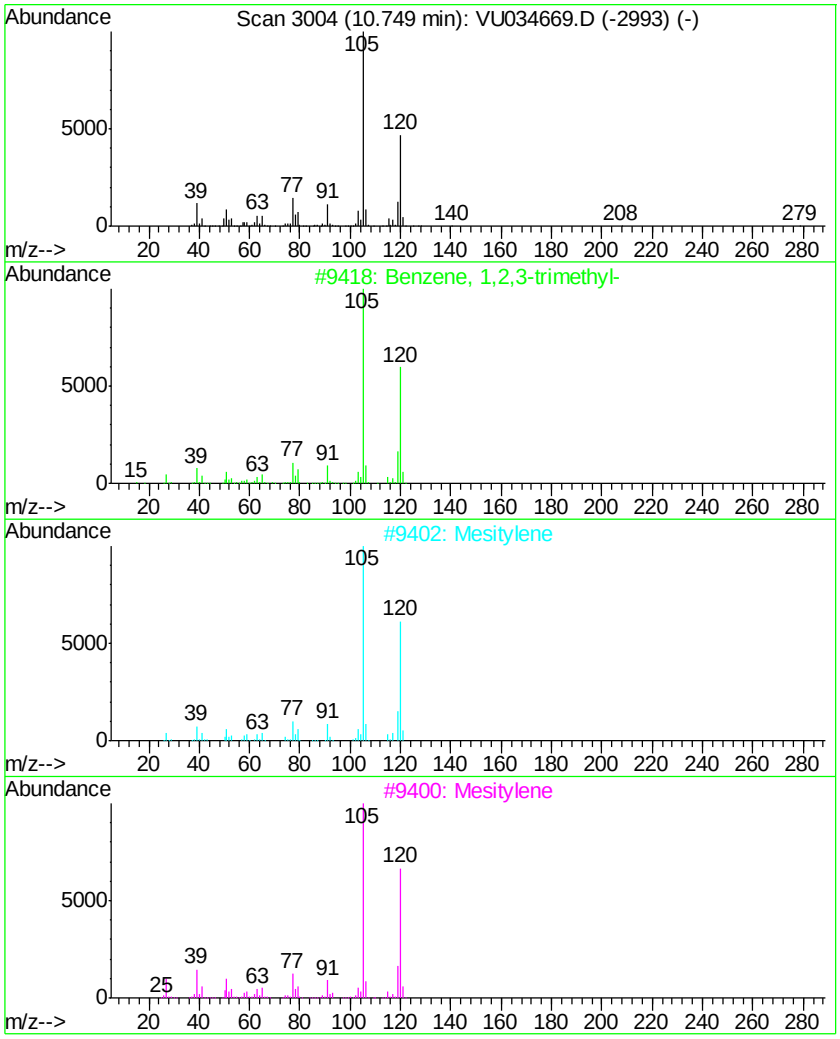
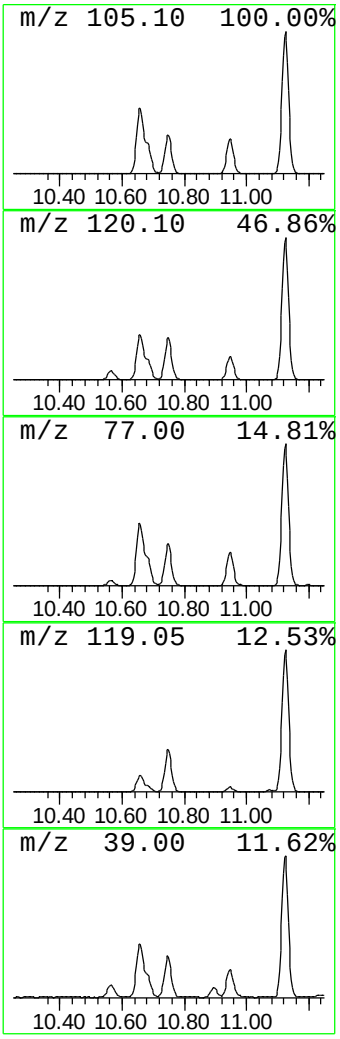
Peak Number 20 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	64.25 ug/L	2199140	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	94
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 : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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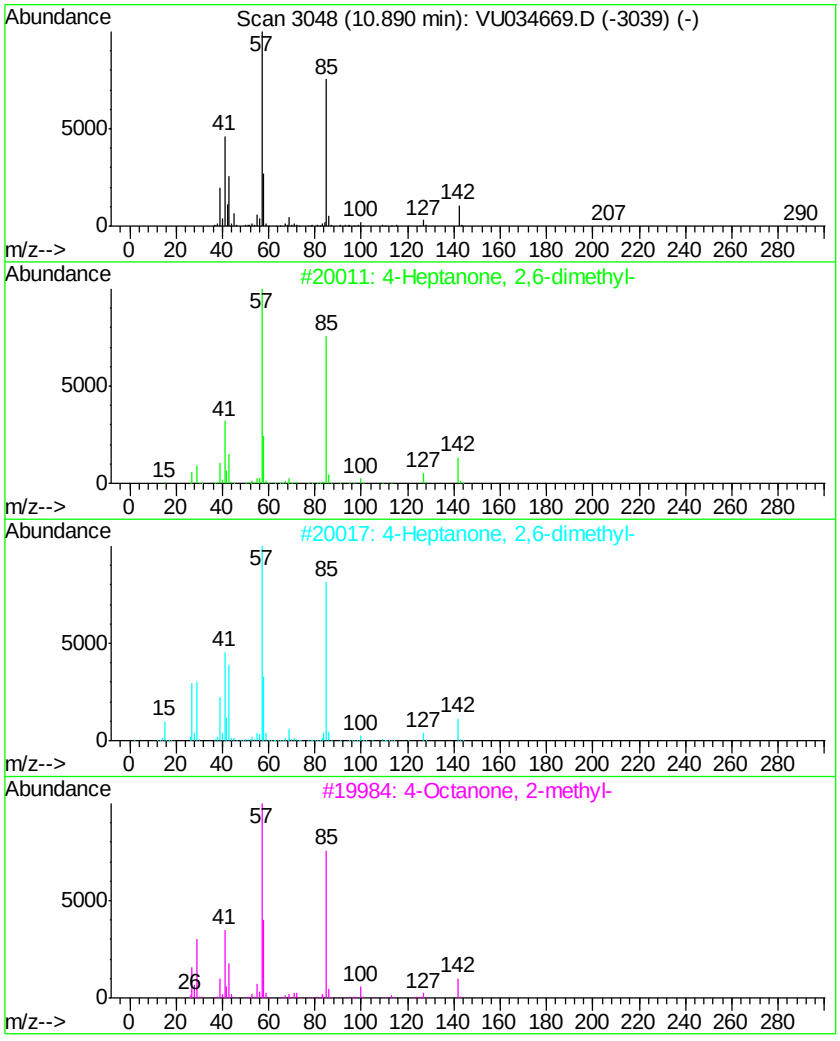
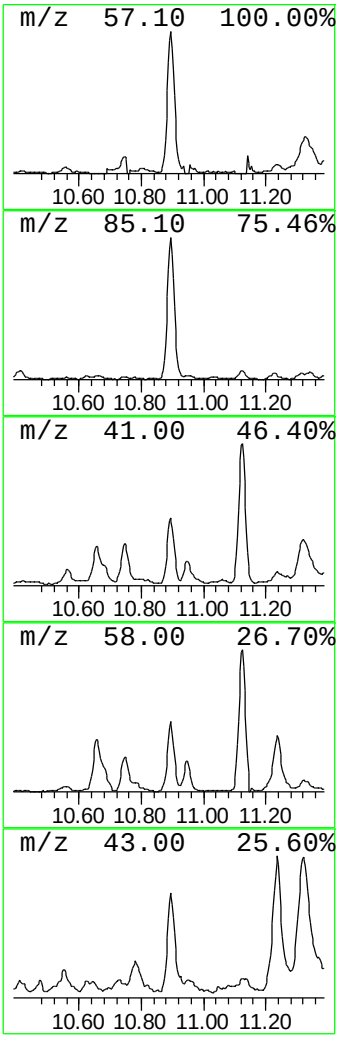
Peak Number 21 4-Heptanone, 2,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	10.94 ug/L	374469	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	86
4	1-Propoxypropan-2-yl 2-methylbut...	202	C11H22O3	1000367-10-7	64
5	t-Butyl isobutyl ketone	142	C9H18O	014705-50-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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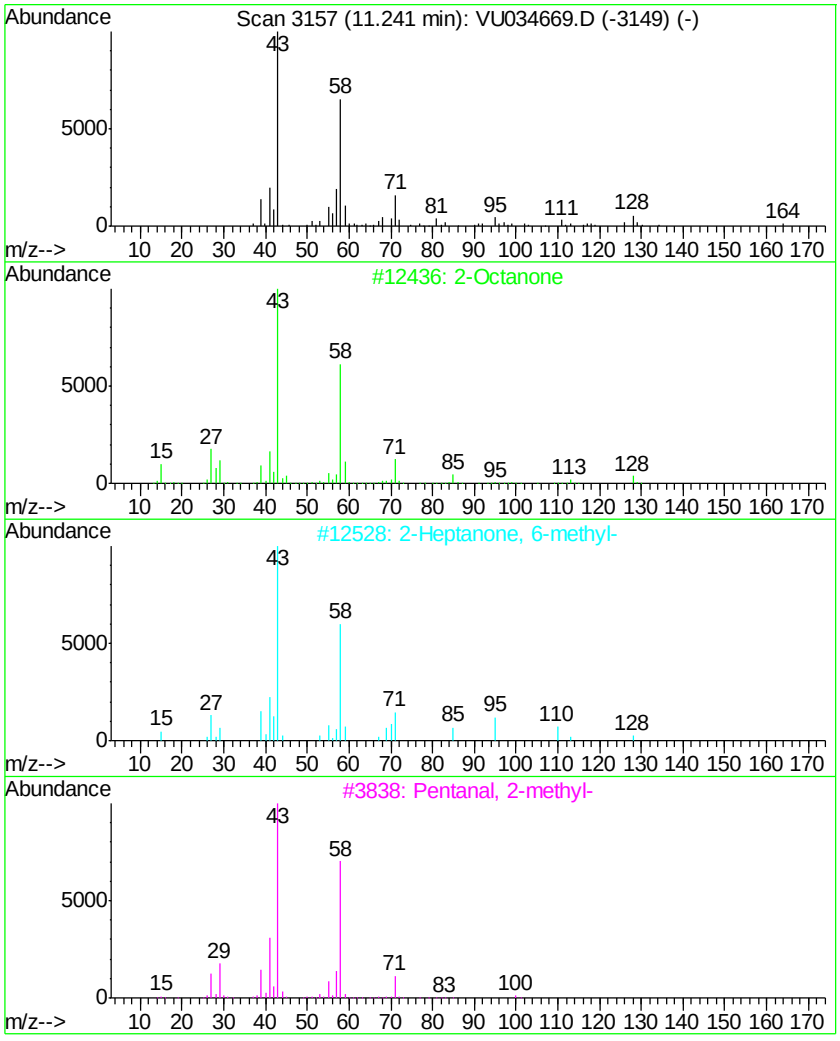
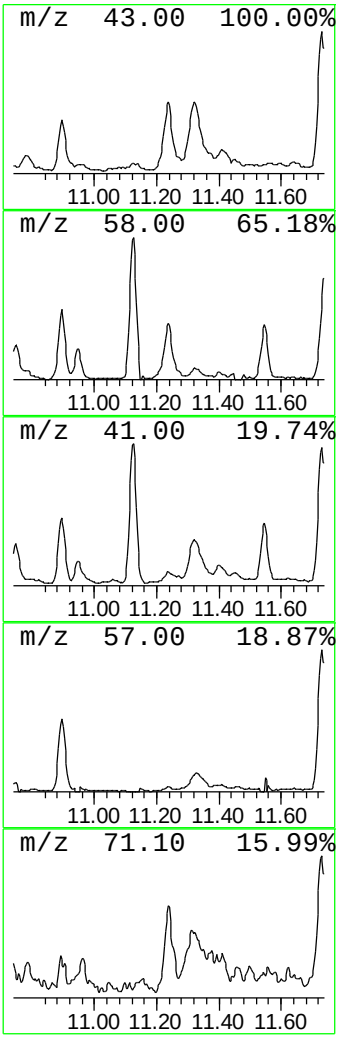
Peak Number 24 2-Octanone Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.59 ug/L	88739	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	80
2	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72
3	Pentanal, 2-methyl-	100	C6H12O	000123-15-9	59
4	2-Octanone	128	C8H16O	000111-13-7	59
5	2-Heptanone	114	C7H14O	000110-43-0	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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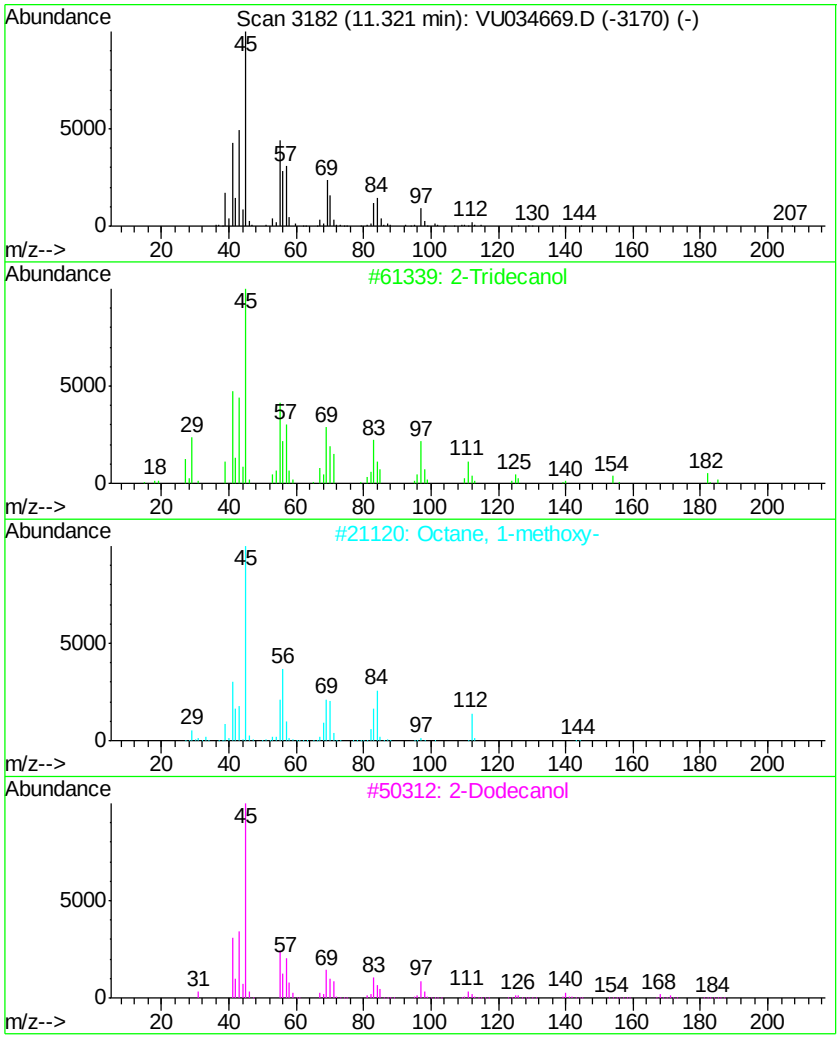
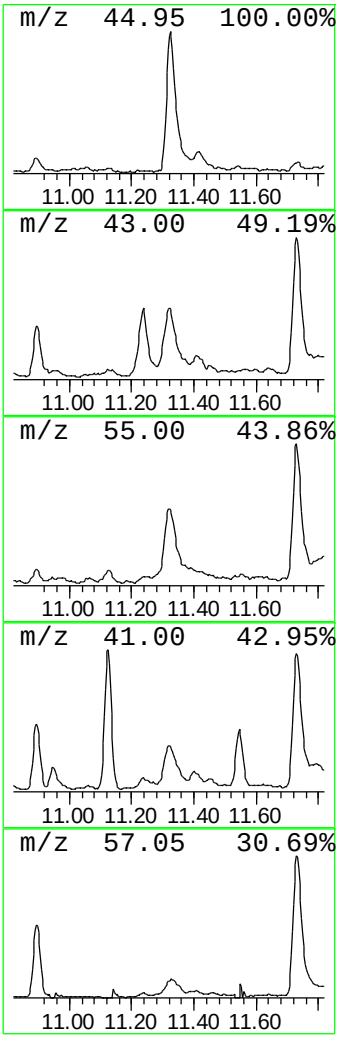
Peak Number 25 2-Tridecanol Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	13.09 ug/L	447991	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Tridecanol	200	C13H28O	001653-31-2	72
2	Octane, 1-methoxy-	144	C9H20O	000929-56-6	72
3	2-Dodecanol	186	C12H26O	010203-28-8	64
4	2-Heptanol, 5-methyl-	130	C8H18O	054630-50-1	59
5	2-Heptanol, 6-methyl-	130	C8H18O	004730-22-7	59





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Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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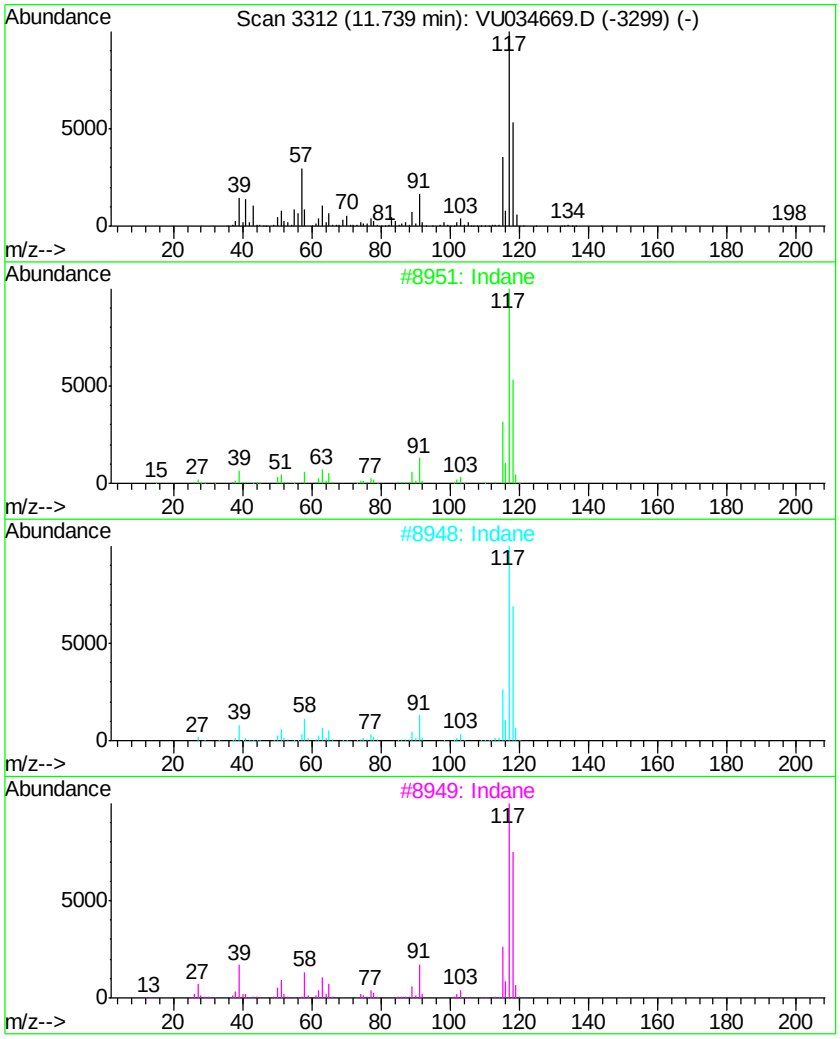
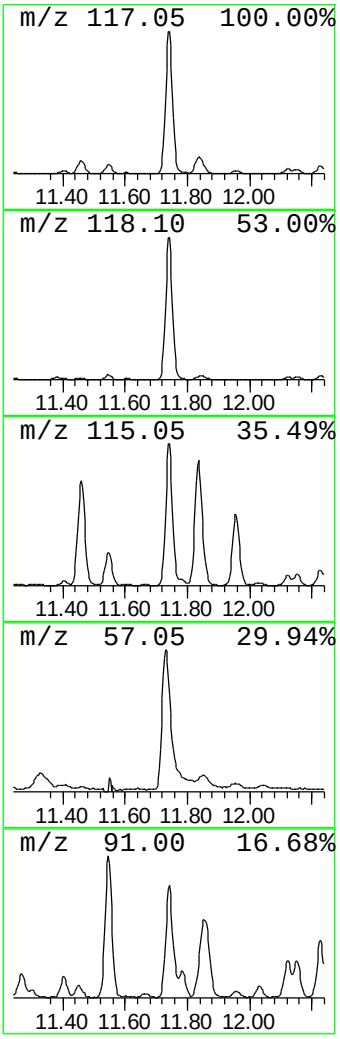
Peak Number 28 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	81.46 ug/L	2788260	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	93
3	Indane	118	C9H10	000496-11-7	92
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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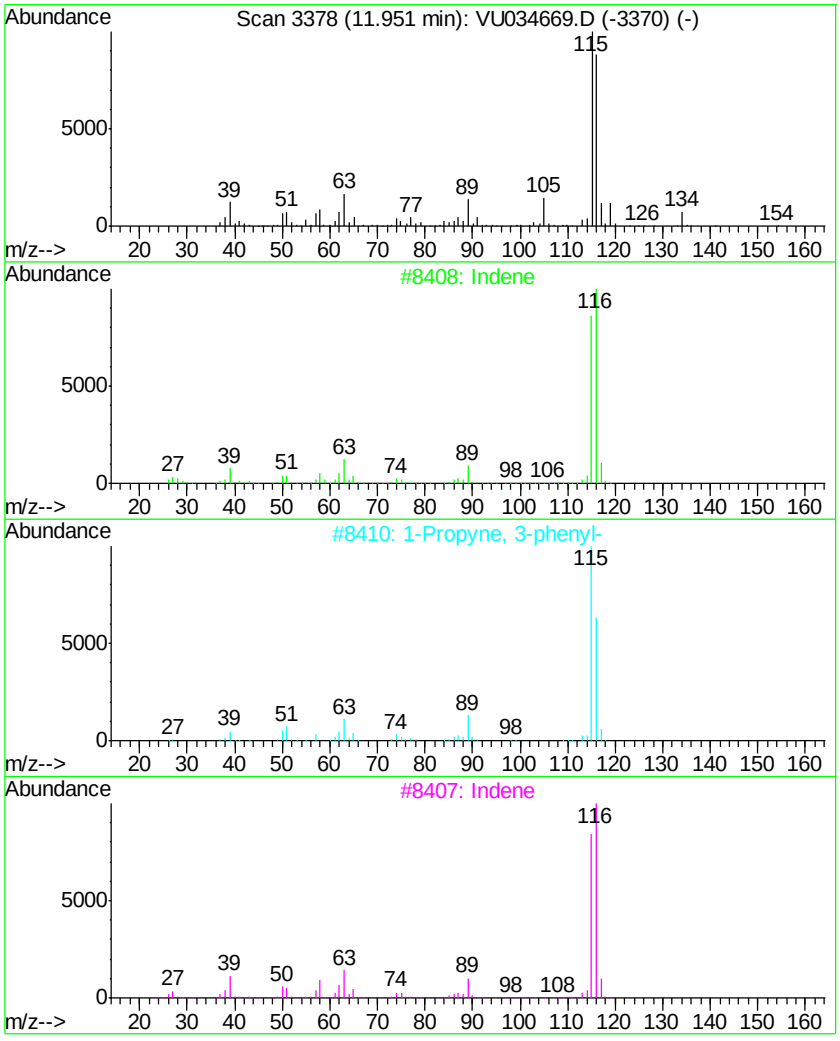
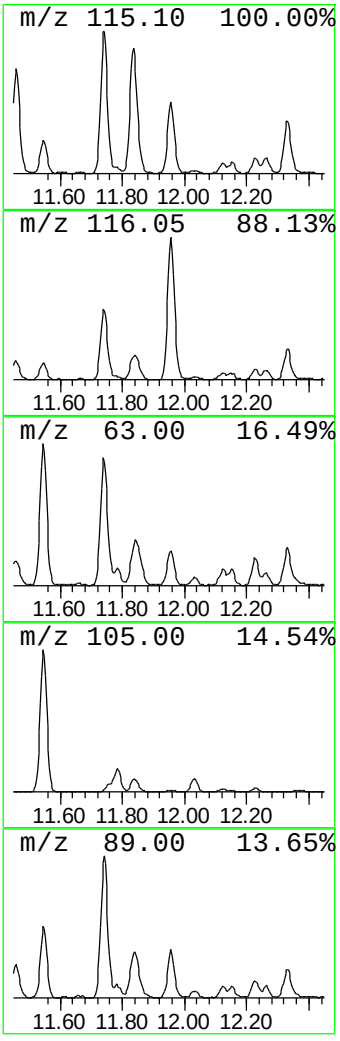
Peak Number 29 Indene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	11.50 ug/L	393434	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Indene	116	C9H8	000095-13-6	93
4	Indene	116	C9H8	000095-13-6	93
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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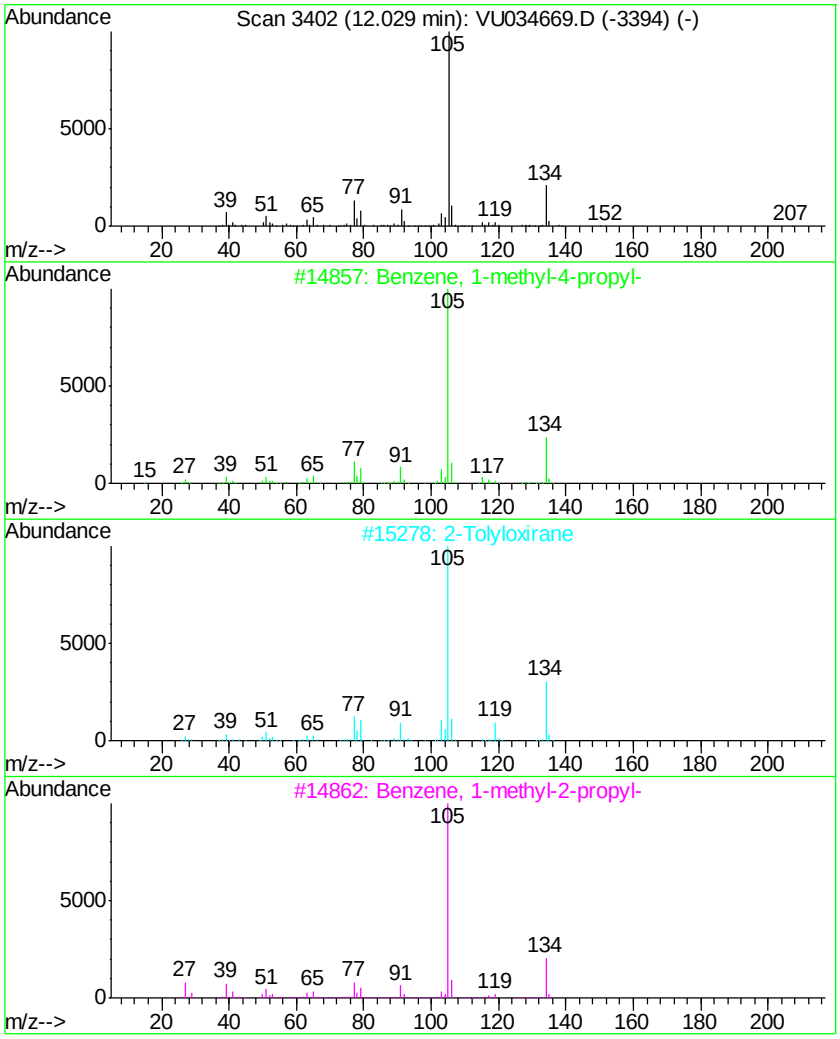
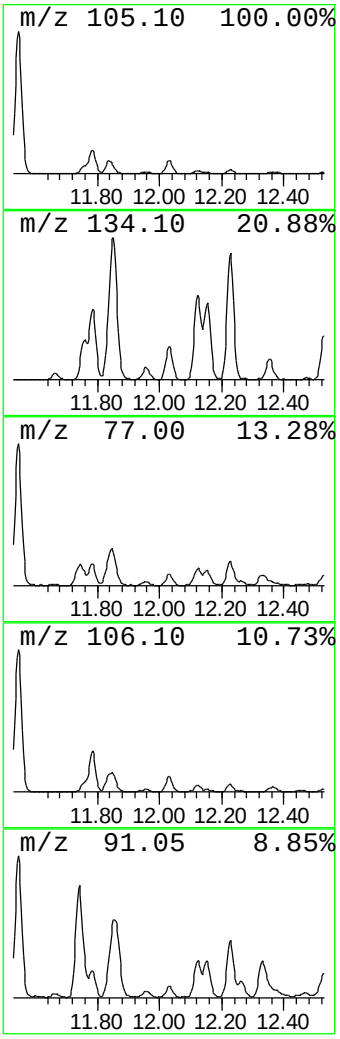
Peak Number 30 Benzene, 1-methyl-4-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	7.13 ug/L	244186	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	2-Tolyloxirane	134	C9H10O	002783-26-8	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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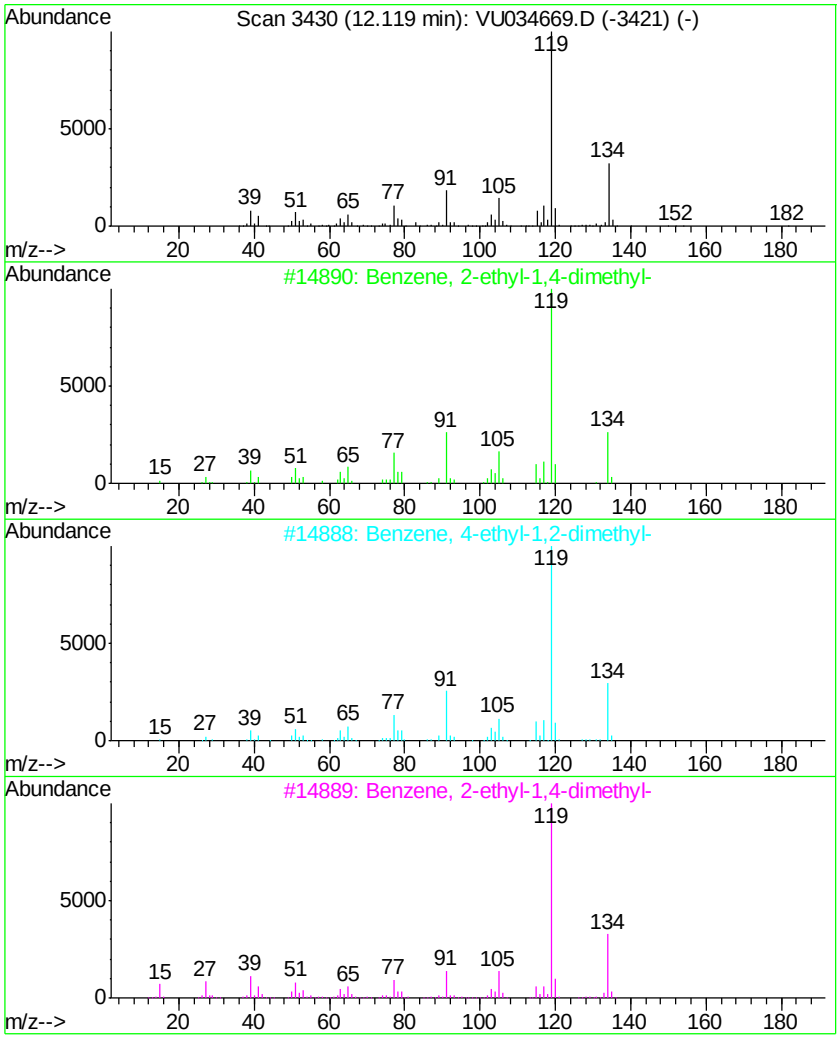
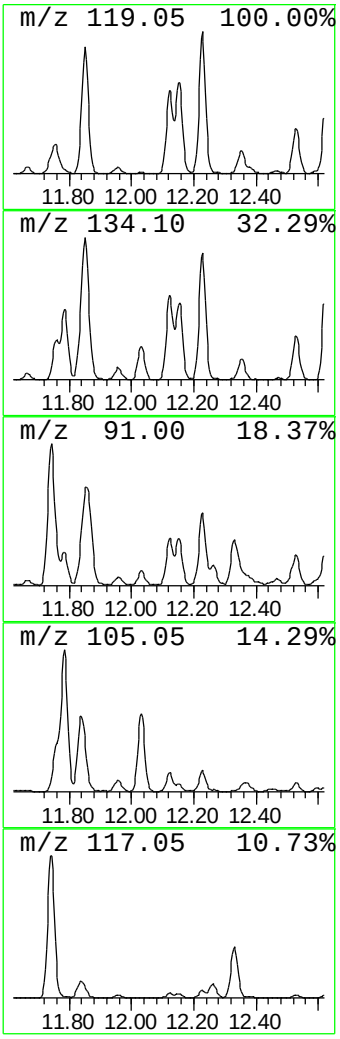
Peak Number 31 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	14.10 ug/L	482631	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	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





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Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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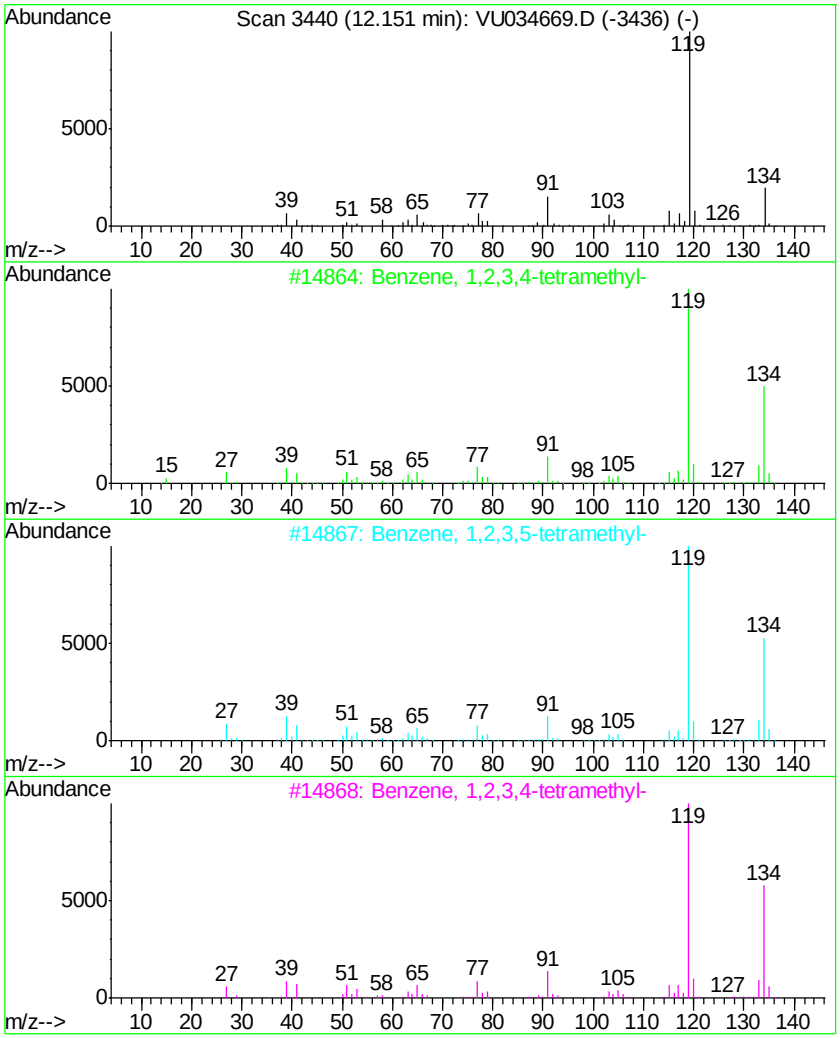
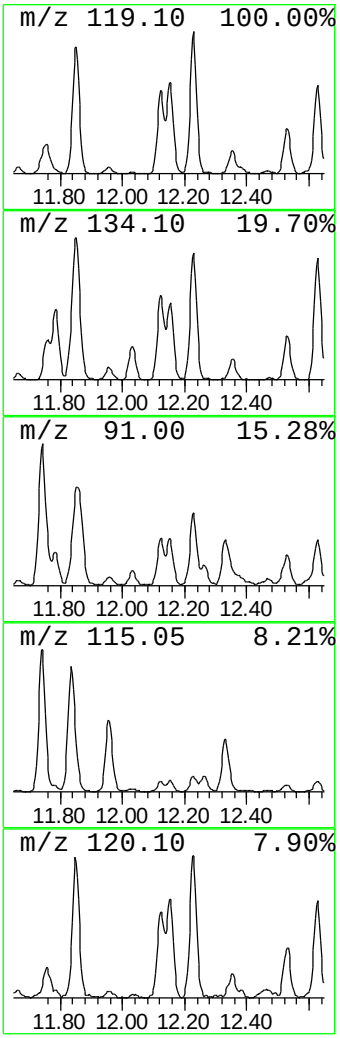
Peak Number 32 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.30 ug/L	421124	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	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





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Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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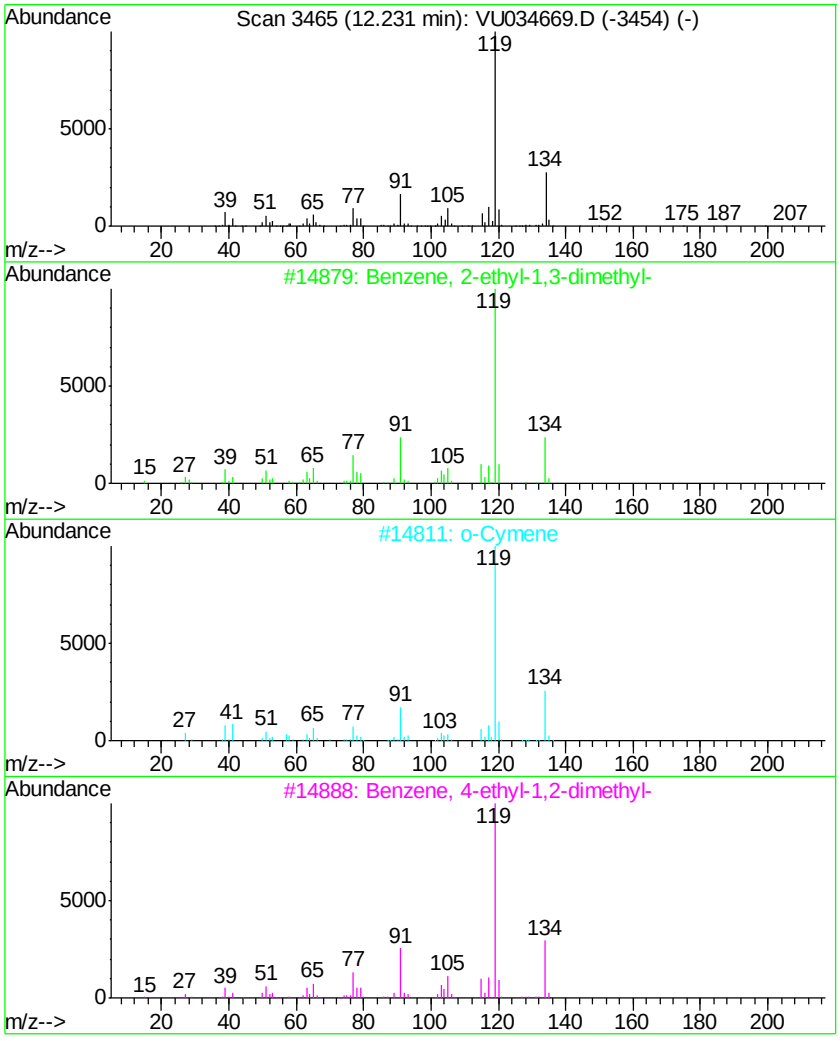
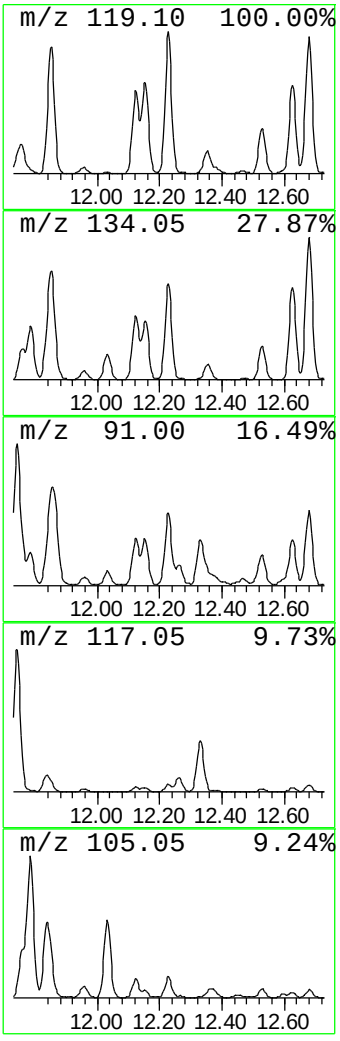
Peak Number 33 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	21.01 ug/L	719032	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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

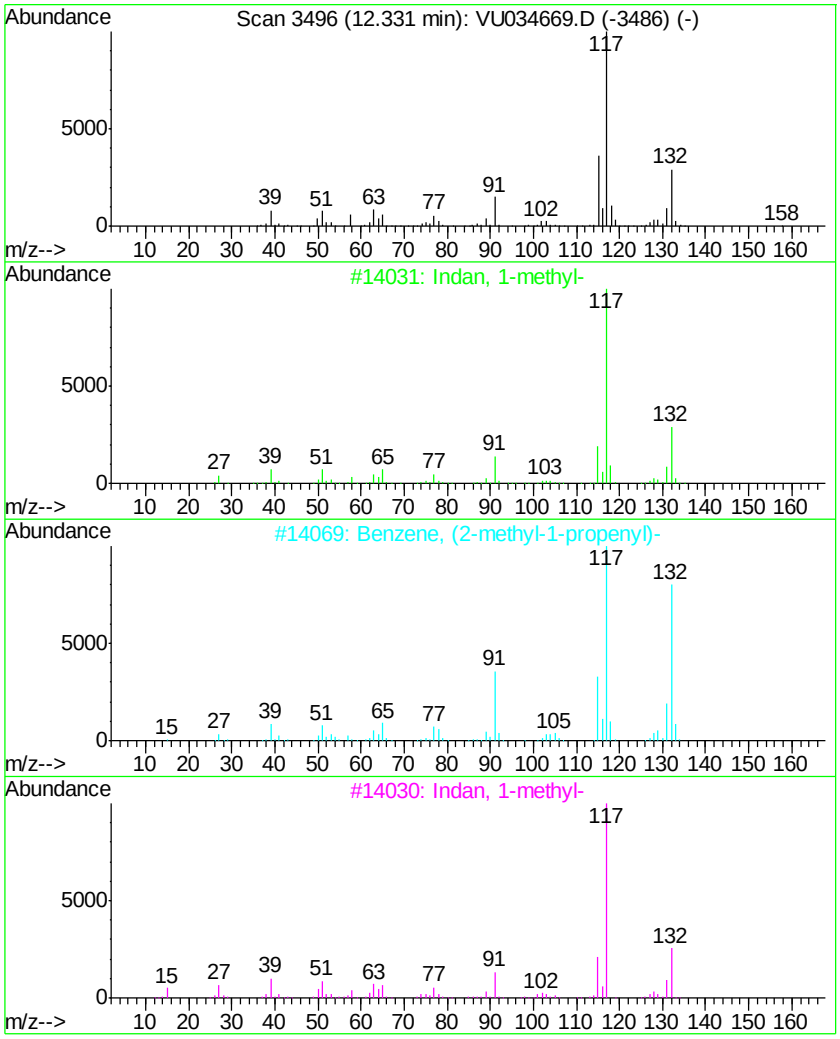
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

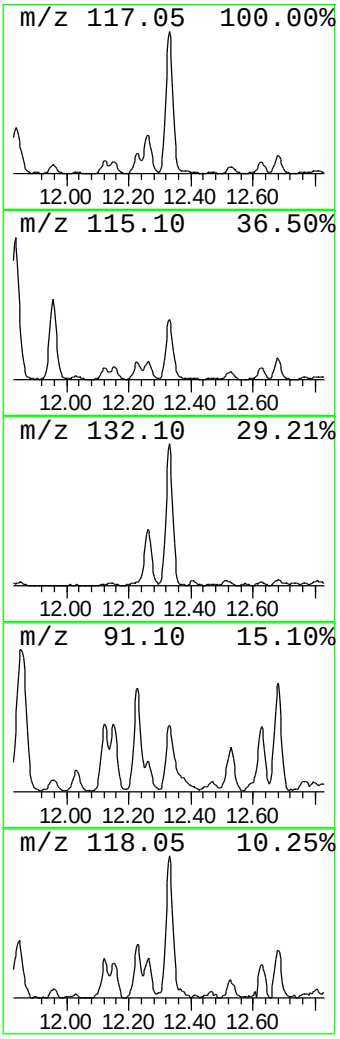
****

Peak Number 34 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	22.12 ug/L	757045	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	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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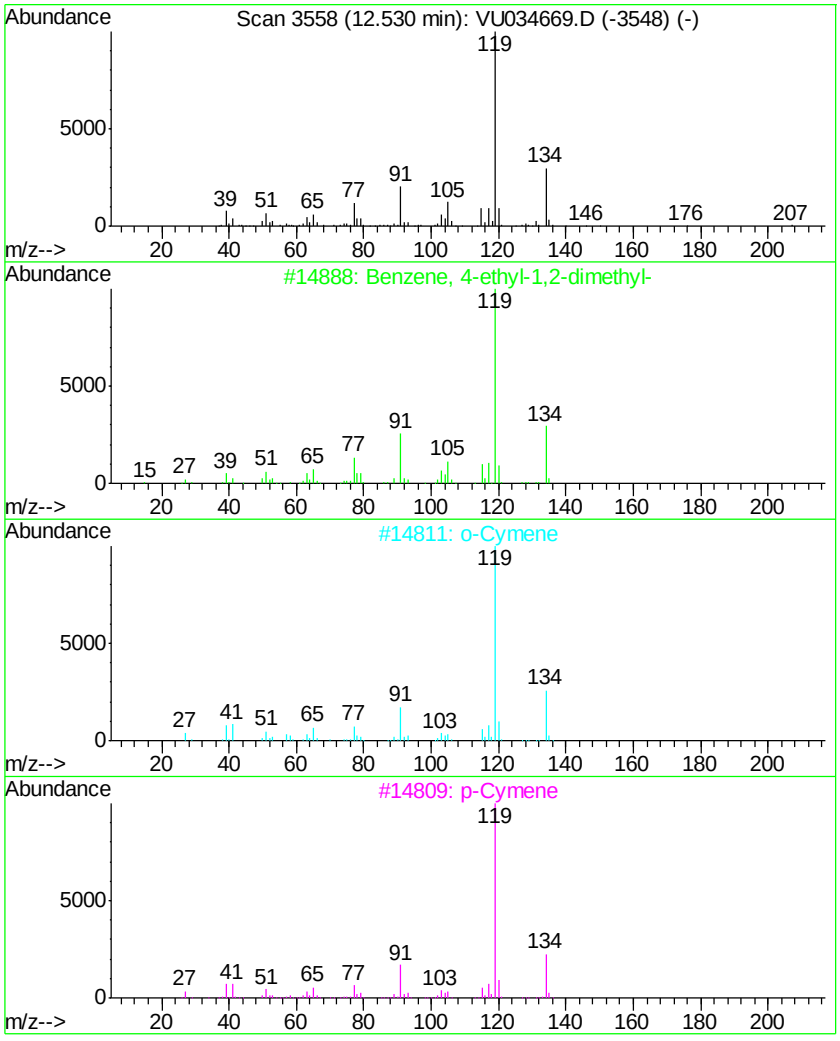
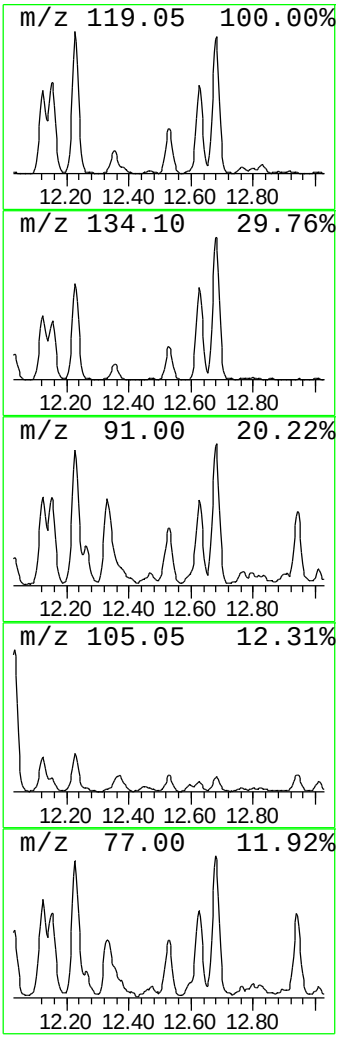
Peak Number 35 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	8.69 ug/L	297537	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	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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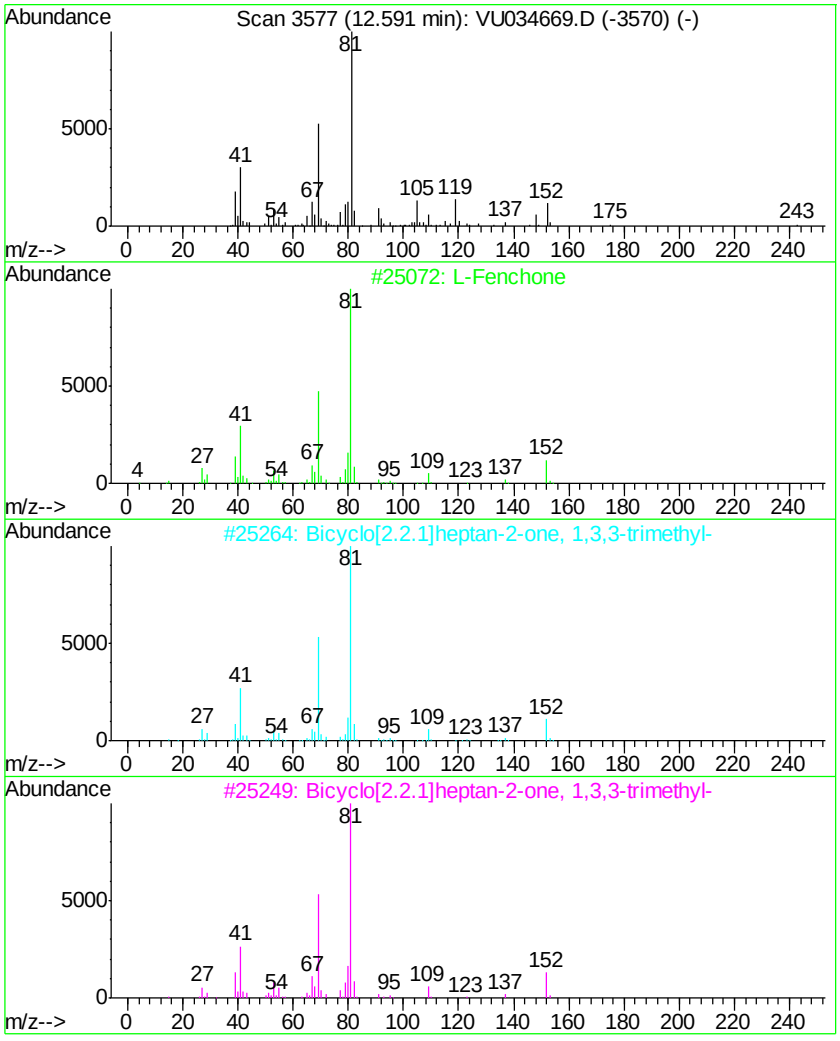
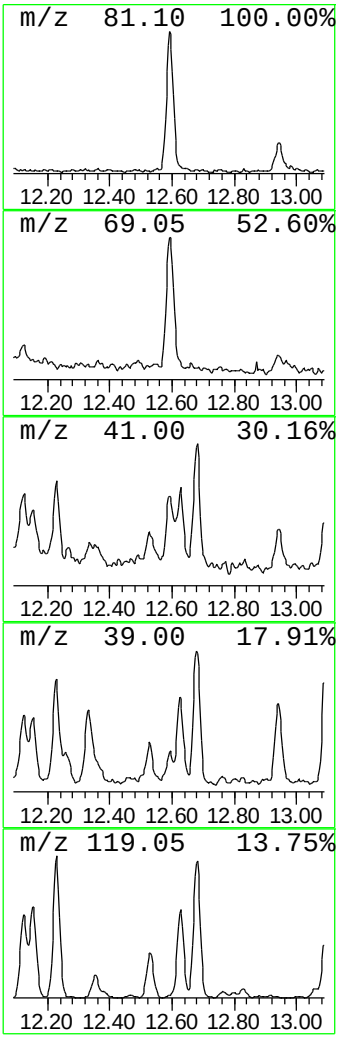
Peak Number 36 L-Fenchone Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.16 ug/L	108166	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	93
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	76
4	D-Fenchone	152	C10H16O	004695-62-9	70
5	L-Fenchone	152	C10H16O	007787-20-4	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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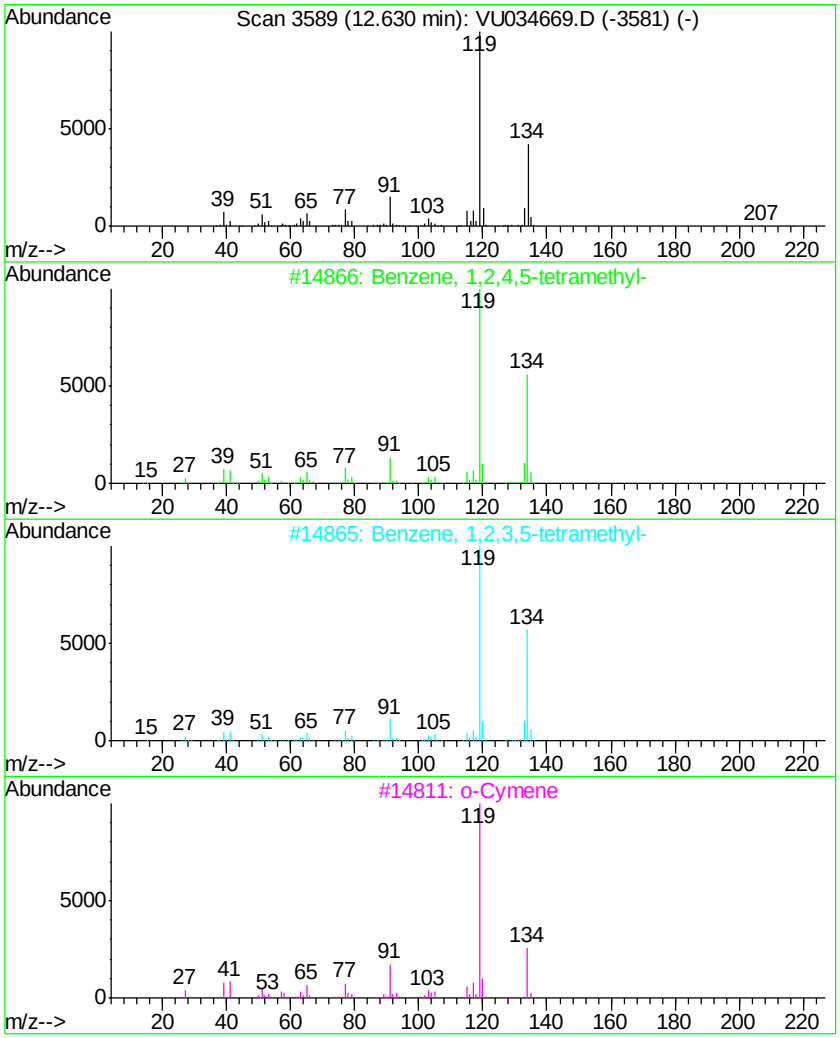
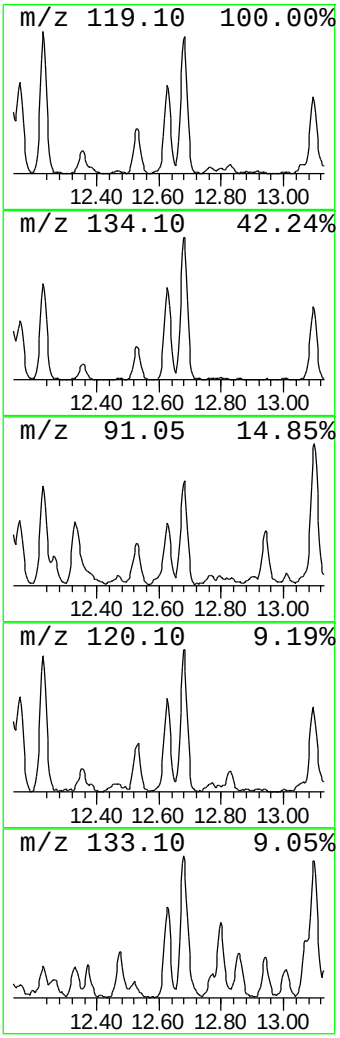
Peak Number 37 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	14.10 ug/L	482732	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	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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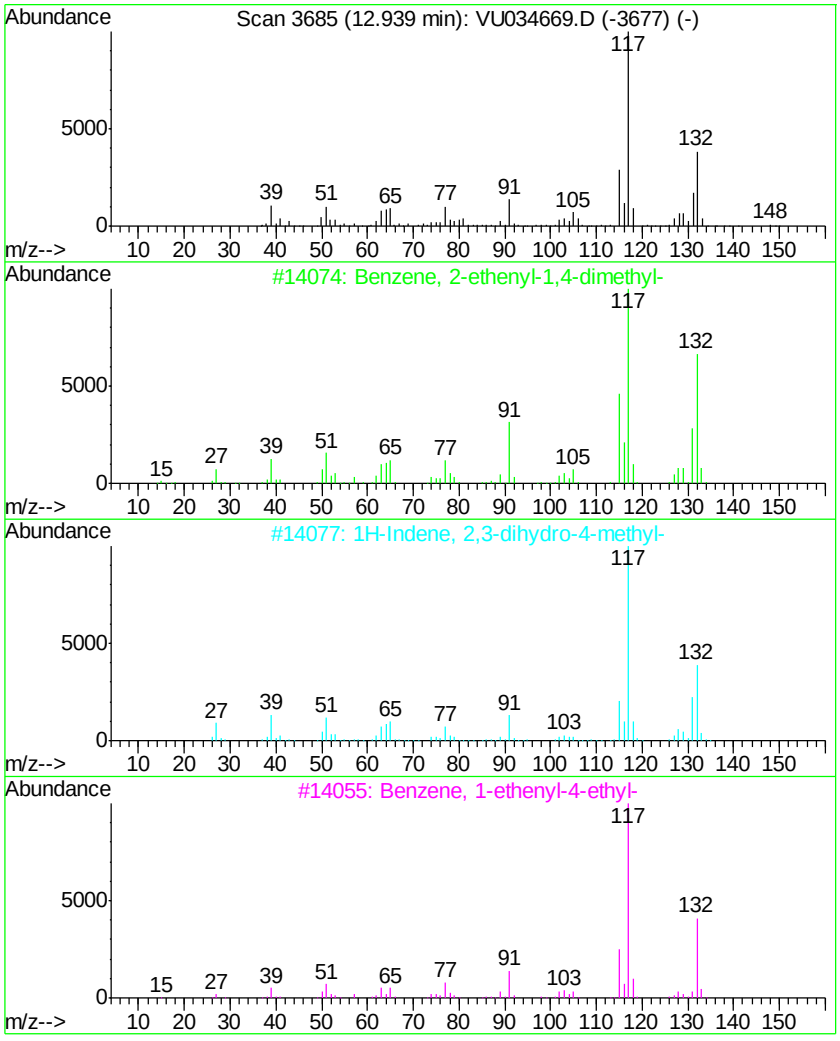
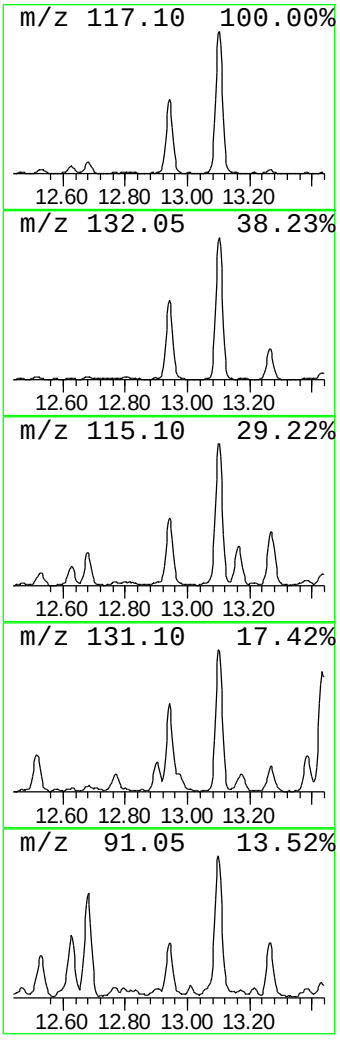
Peak Number 39 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	17.69 ug/L	605549	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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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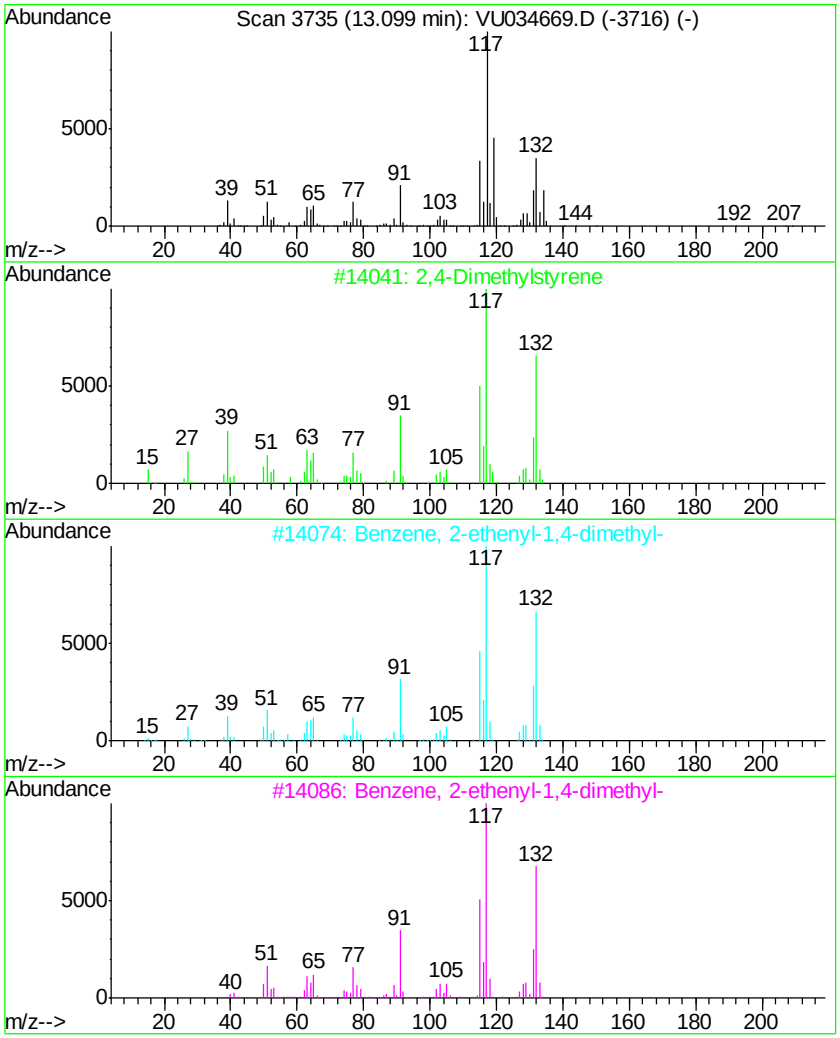
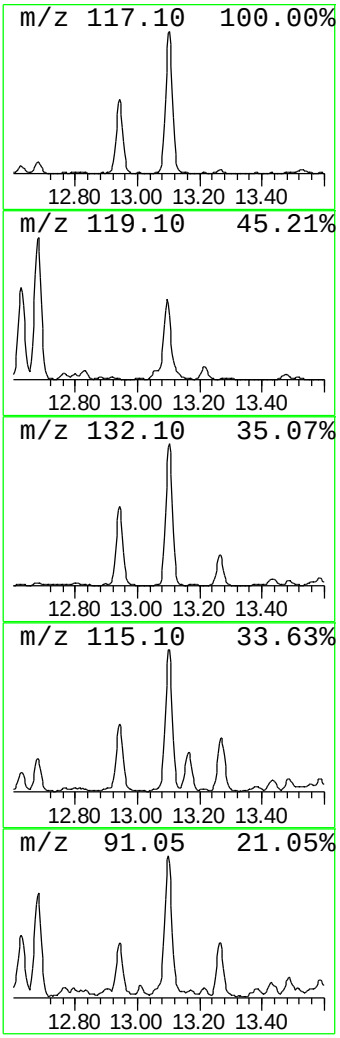
Peak Number 40 2,4-Dimethylstyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	44.94 ug/L	1538060	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	91
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034669.D
Acq On : 20 Sep 2019 00:10
Operator : JC/SP
Sample : K4895-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH3

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
unknown-01	1.54	2.6	ug/L	66499	1	5.86	1256140	50.0
(DEL) Alkane: Str...	1.75	3.2	ug/L	81067	1	5.86	1256140	50.0
(DEL) Alkane: Cyc...	2.17	2.9	ug/L	73114	1	5.86	1256140	50.0
(DEL) Alkane: Cyc...	2.77	3.2	ug/L	79480	1	5.86	1256140	50.0
Butanal	3.97	3.2	ug/L	79649	1	5.86	1256140	50.0
(DEL) Alkane: Cyc...	4.07	5.7	ug/L	143333	1	5.86	1256140	50.0
Cyclopentene, 1-m...	4.76	4.7	ug/L	117180	1	5.86	1256140	50.0
Isopropyl acetate	5.53	8.8	ug/L	221571	1	5.86	1256140	50.0
n-Propyl acetate	6.68	162.4	ug/L	4080640	1	5.86	1256140	50.0
Cyclobutane, (1-m...	7.05	3.4	ug/L	84641	1	5.86	1256140	50.0
unknown-02	7.21	22.8	ug/L	572135	1	5.86	1256140	50.0
2-Hexanol	7.89	12.4	ug/L	462145	2	9.07	1857250	50.0
Propanoic acid, 2...	8.13	17.1	ug/L	635078	2	9.07	1857250	50.0
Propanoic acid, p...	8.40	29.6	ug/L	1100320	2	9.07	1857250	50.0
Acetic acid, buty...	8.51	2.6	ug/L	96150	2	9.07	1857250	50.0
Butanoic acid, 1-...	8.88	34.4	ug/L	1279020	2	9.07	1857250	50.0
Benzene, propyl-	10.56	20.9	ug/L	714941	3	11.46	1711330	50.0
Benzene, 1-ethyl-...	10.66	124.2	ug/L	4250390	3	11.46	1711330	50.0
Benzene, 1,2,3-tr...	10.75	64.3	ug/L	2199140	3	11.46	1711330	50.0
4-Heptanone, 2,6-...	10.89	10.9	ug/L	374469	3	11.46	1711330	50.0
2-Octanone	11.24	2.6	ug/L	88739	3	11.46	1711330	50.0
2-Tridecanol	11.32	13.1	ug/L	447991	3	11.46	1711330	50.0
Indane	11.74	81.5	ug/L	2788260	3	11.46	1711330	50.0
Indene	11.95	11.5	ug/L	393434	3	11.46	1711330	50.0
Benzene, 1-methyl...	12.03	7.1	ug/L	244186	3	11.46	1711330	50.0
Benzene, 2-ethyl-...	12.12	14.1	ug/L	482631	3	11.46	1711330	50.0
Benzene, 1,2,3,4-...	12.15	12.3	ug/L	421124	3	11.46	1711330	50.0
Benzene, 2-ethyl-...	12.23	21.0	ug/L	719032	3	11.46	1711330	50.0
Indan, 1-methyl-	12.33	22.1	ug/L	757045	3	11.46	1711330	50.0
Benzene, 4-ethyl-...	12.53	8.7	ug/L	297537	3	11.46	1711330	50.0
L-Fenchone	12.59	3.2	ug/L	108166	3	11.46	1711330	50.0
Benzene, 1,2,4,5-...	12.63	14.1	ug/L	482732	3	11.46	1711330	50.0
Benzene, 2-etheny...	12.94	17.7	ug/L	605549	3	11.46	1711330	50.0
2,4-Dimethylstyrene	13.10	44.9	ug/L	1538060	3	11.46	1711330	50.0