LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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	83	94	106	rBV2	410402	539909	3.42%	0.415%
2	1.466	107	117	127	rVV	289603	326374	2.07%	0.251%
3	1.543	134	141	152	rVB	43651	60408	0.38%	0.046%
4	1.672	173	181	193	rVB	264932	335948	2.13%	0.258%
5	1.746	198	204	214	rVB	66347	85282	0.54%	0.065%
6	1.942	257	265	278	rVB3	38560	72422	0.46%	0.056%
7	2.170	329	336	345	rVV	71449	111533	0.71%	0.086%
8	2.257	349	363	371	rVV	503022	852419	5.40%	0.654%
9	2.305	371	378	403	rVB	572682	922797	5.85%	0.708%
10	2.431	406	417	439	rVB	63791	126848	0.80%	0.097%
11	2.685	482	496	515	rBV	187571	374976	2.38%	0.288%
12	3.164	632	645	667	rBV2	64722	145822	0.92%	0.112%
13	3.418	704	724	740	rBV3	43618	138623	0.88%	0.106%
14	3.965	878	894	912	rBV4	53858	143688	0.91%	0.110%
15	4.071	912	927	940	rBV5	35612	103022	0.65%	0.079%
16	4.151	940	952	972	rVV	262393	739681	4.69%	0.568%
17	4.241	973	980	1003	rVB	83031	206042	1.31%	0.158%
18	4.620	1073	1098	1120	rBV	379427	928864	5.89%	0.713%
19	4.752	1129	1139	1157	rVB3	40498	98063	0.62%	0.075%
20	4.968	1194	1206	1222	rVB4	25485	60914	0.39%	0.047%
21	5.315	1289	1314	1322	rBV2	819421	2395987	15.19%	1.839%
22	5.366	1323	1330	1352	rVB	709160	1464446	9.28%	1.124%
23	5.527	1363	1380	1393	rBV2	84312	199750	1.27%	0.153%
24	5.762	1437	1453	1470	rBV3	37653	101946	0.65%	0.078%
25	5.862	1470	1484	1500	rBV	658276	1315787	8.34%	1.010%
26	6.164	1565	1578	1604	rVB	551745	1120799	7.10%	0.860%
27	6.308	1609	1623	1639	rVV	563294	1139174	7.22%	0.875%
28	6.399	1640	1651	1674	rVB2	91638	212523	1.35%	0.163%
29	6.685	1728	1740	1760	rBV	1678550	2973426	18.85%	2.283%
30	7.206	1889	1902	1926	rBV2	329904	619380	3.93%	0.476%
31	7.437	1952	1974	1995	rBV	8865320	15774907	100.00%	12.111%
32	7.543	1996	2007	2017	rVV	1112329	1955932	12.40%	1.502%
33	7.614	2018	2029	2044	rVB	7919527	13156709	83.40%	10.101%
34	7.826	2086	2095	2103	rBV3	252036	399694	2.53%	0.307%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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	7.884	2103	2113	2160	rVB	1772919	3344044	21.20%	2.567%
36	8.135	2181	2191	2203	rBV	262053	428953	2.72%	0.329%
37	8.206	2203	2213	2229	rBV4	242950	456925	2.90%	0.351%
38	8.289	2229	2239	2251	rBV	1039936	1736005	11.00%	1.333%
39	8.395	2263	2272	2280	rBV	471269	723232	4.58%	0.555%
40	8.437	2281	2285	2300	rVB4	129560	210853	1.34%	0.162%
41	8.884	2412	2424	2433	rBV	443145	690214	4.38%	0.530%
42	9.029	2450	2469	2472	rBV2	163470	287990	1.83%	0.221%
43	9.067	2472	2481	2489	rVV	1002866	1694367	10.74%	1.301%
44	9.112	2490	2495	2504	rVB	235363	365344	2.32%	0.280%
45	9.228	2520	2531	2554	rVB	1552976	2497043	15.83%	1.917%
46	9.350	2556	2569	2583	rVV	5253911	8429938	53.44%	6.472%
47	9.437	2586	2596	2600	rVV4	86640	182744	1.16%	0.140%
48	9.472	2601	2607	2616	rVV2	232109	368501	2.34%	0.283%
49	9.521	2616	2622	2632	rVB3	72618	109444	0.69%	0.084%
50	9.582	2633	2641	2653	rBV2	103383	174552	1.11%	0.134%
51	9.675	2662	2670	2683	rBV2	34584	69775	0.44%	0.054%
52	9.755	2683	2695	2723	rVB	2995829	4905881	31.10%	3.766%
53	9.900	2724	2740	2746	rBV2	122281	253448	1.61%	0.195%
54	10.019	2765	2777	2782	rBV5	85821	178442	1.13%	0.137%
55	10.058	2784	2789	2802	rVB7	101609	196676	1.25%	0.151%
56	10.144	2809	2816	2827	rVB	140040	232874	1.48%	0.179%
57	10.234	2830	2844	2854	rBV4	50674	97909	0.62%	0.075%
58	10.299	2856	2864	2873	rBV6	56230	94944	0.60%	0.073%
59	10.408	2886	2898	2924	rVB	771352	1329061	8.43%	1.020%
60	10.530	2925	2936	2938	rBV2	137586	200852	1.27%	0.154%
61	10.562	2940	2946	2957	rVV	297224	509042	3.23%	0.391%
62	10.620	2959	2964	2966	rVV	78598	84268	0.53%	0.065%
63	10.656	2967	2975	2992	rVV	1176718	2469748	15.66%	1.896%
64	10.749	2996	3004	3021	rVB2	612520	1041717	6.60%	0.800%
65	10.897	3039	3050	3057	rBV4	197188	361183	2.29%	0.277%
66	10.948	3057	3066	3081	rVB	637603	1058013	6.71%	0.812%
67	11.057	3092	3100	3109	rVB4	68225	111703	0.71%	0.086%
68	11.125	3109	3121	3134	rBV	2696065	4092860	25.95%	3.142%
69	11.231	3145	3154	3161	rBV	487826	781533	4.95%	0.600%
70	11.299	3162	3175	3195	rVV2	4220927	8786666	55.70%	6.746%
71	11.459	3216	3225	3242	rVB	1059863	1828662	11.59%	1.404%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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	11.546	3243	3252	3262	rBV	923880	1395376	8.85%	1.071%
73	11.723	3296	3307	3320	rBV	7117796	12399642	78.60%	9.520%
74	11.810	3320	3334	3336	rBV4	2306936	4671235	29.61%	3.586%
75	11.913	3360	3366	3374	rBV3	265295	485470	3.08%	0.373%
76	12.122	3426	3431	3436	rBV2	113605	131972	0.84%	0.101%
77	12.228	3456	3464	3472	rBV	274732	410143	2.60%	0.315%
78	12.331	3489	3496	3515	rVB2	200088	381391	2.42%	0.293%
79	12.533	3552	3559	3571	rVB6	136357	255201	1.62%	0.196%
80	12.630	3583	3589	3597	rBV3	139242	238312	1.51%	0.183%
81	12.678	3598	3604	3617	rVB	298123	462466	2.93%	0.355%
82	12.942	3678	3686	3699	rBV2	270503	436145	2.76%	0.335%
83	13.067	3717	3725	3729	rBV	237011	352634	2.24%	0.271%
84	13.099	3729	3735	3747	rVV2	549861	890946	5.65%	0.684%
85	13.167	3750	3756	3767	rVB6	80433	128376	0.81%	0.099%
86	13.270	3779	3788	3809	rVB6	173593	386204	2.45%	0.297%
87	13.376	3813	3821	3830	rBV7	104444	183473	1.16%	0.141%
88	13.491	3852	3857	3863	rVB6	54864	64175	0.41%	0.049%
89	13.591	3881	3888	3901	rVB7	152563	285211	1.81%	0.219%
90	13.720	3917	3928	3952	rVB	2387948	3856550	24.45%	2.961%
91	13.839	3957	3965	3979	rVB2	163454	296033	1.88%	0.227%
92	14.032	4019	4025	4037	rVB2	83471	119331	0.76%	0.092%
93	14.131	4050	4056	4069	rVB3	63570	107260	0.68%	0.082%
94	14.315	4106	4113	4123	rBV6	41998	84496	0.54%	0.065%
95	14.511	4166	4174	4187	rVB3	173843	298856	1.89%	0.229%
96	14.655	4213	4219	4228	rVB7	37860	58726	0.37%	0.045%
97	14.852	4270	4280	4295	rBV	782589	1255959	7.96%	0.964%
98	15.038	4328	4338	4353	rVB	510321	846307	5.36%	0.650%
99	15.893	4597	4604	4616	rBV	39031	67559	0.43%	0.052%
100	16.038	4640	4649	4656	rBV	71489	114727	0.73%	0.088%

Sum of corrected areas: 130253677

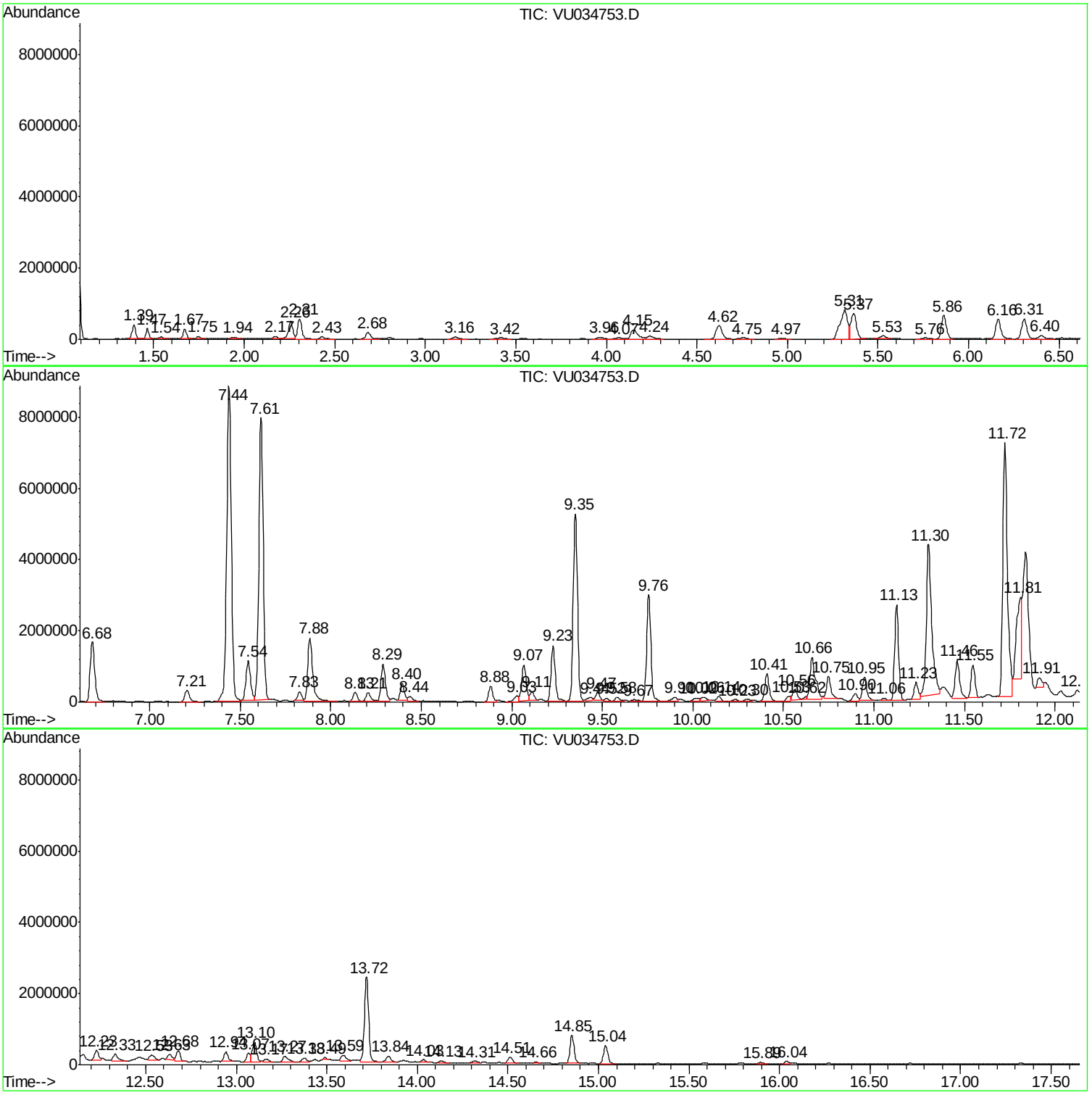
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

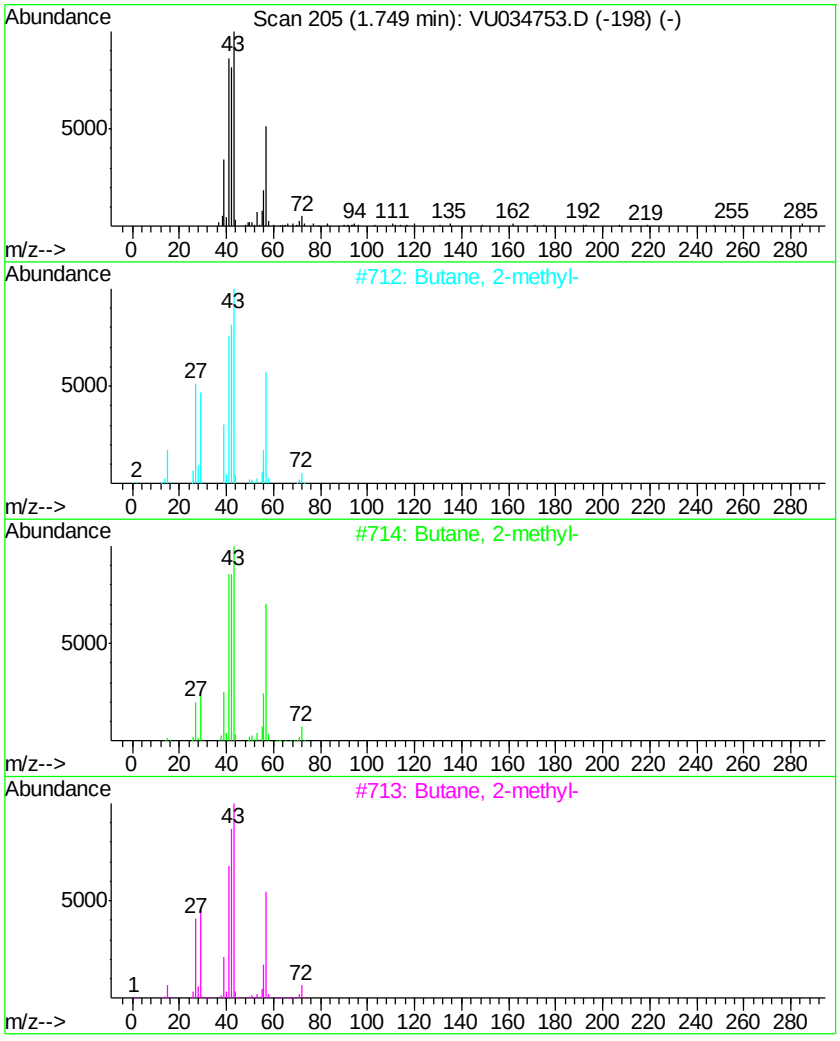
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

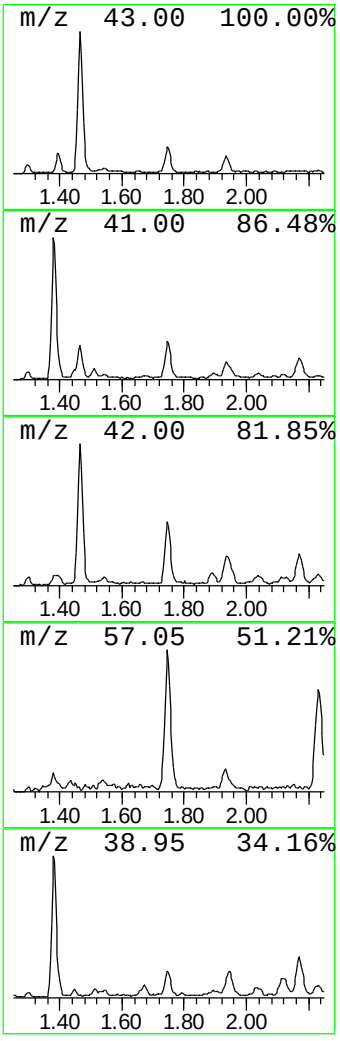
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	3.24 ug/L	85282	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	Pentane	72	C5H12	000109-66-0	40
5	3-Buten-1-ol	72	C4H8O	000627-27-0	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

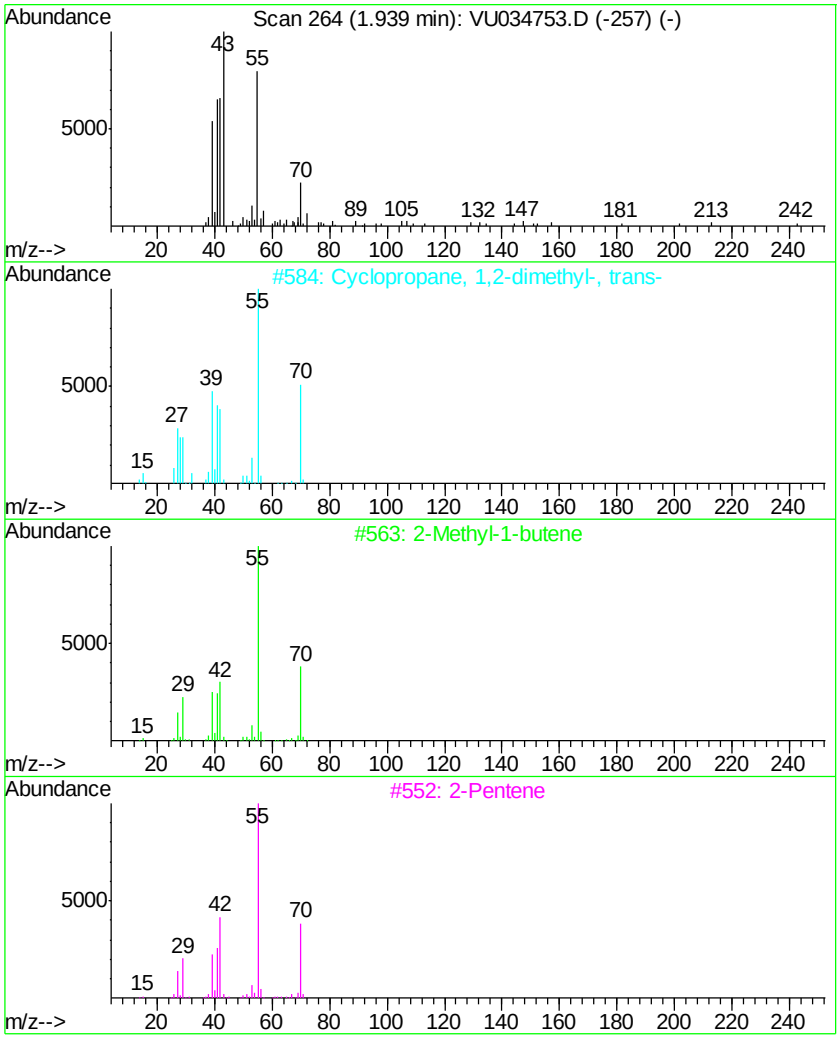
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

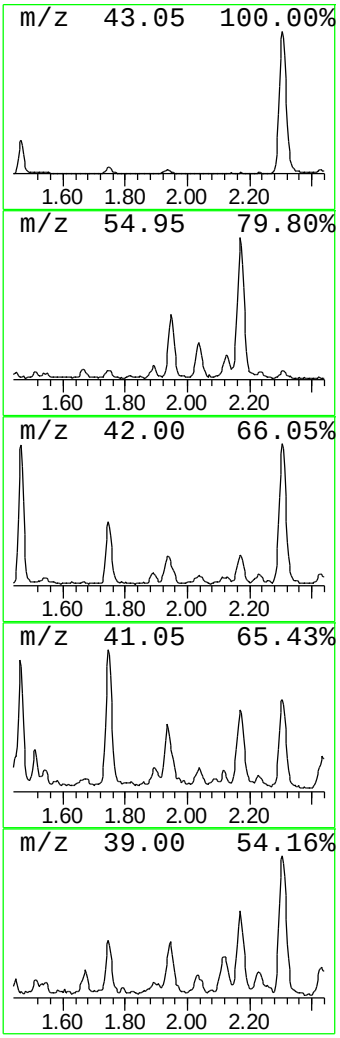
****

Peak Number 3 (DEL) Alkane: Cyclic1.94 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	2.75 ug/L	72422	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	72
2	2-Methyl-1-butene	70	C5H10	000563-46-2	59
3	2-Pentene	70	C5H10	000109-68-2	52
4	2-Pentene, (Z)-	70	C5H10	000627-20-3	52
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

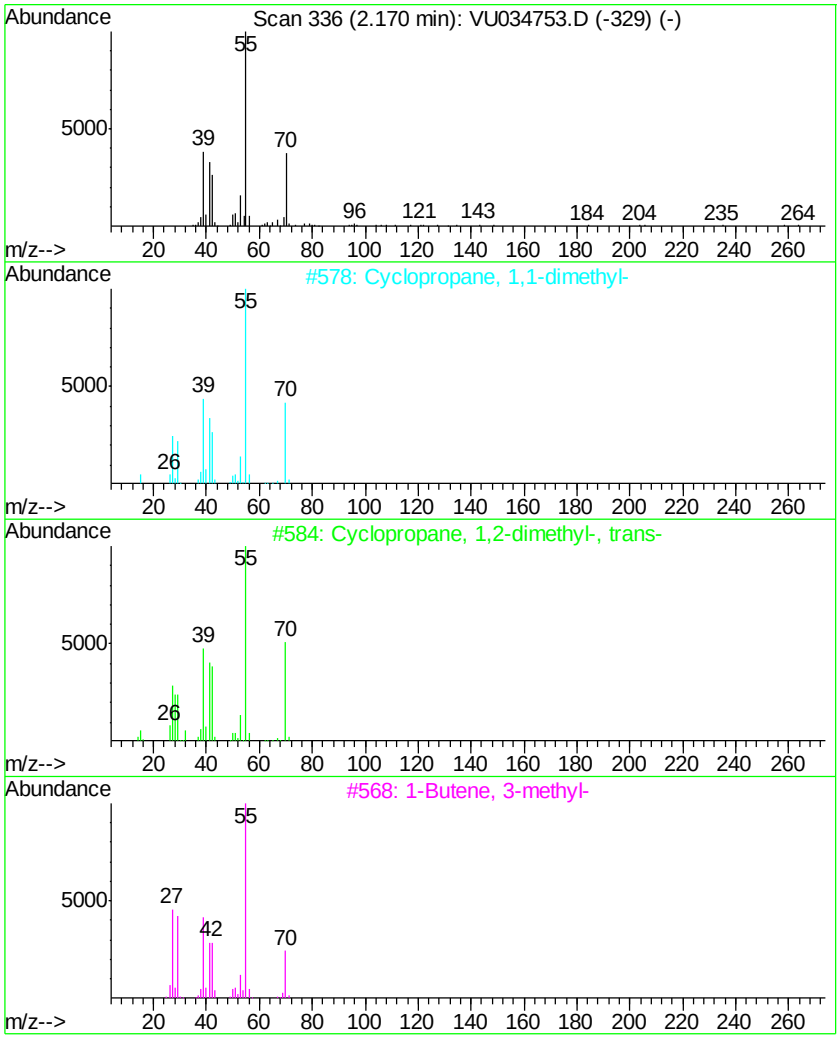
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

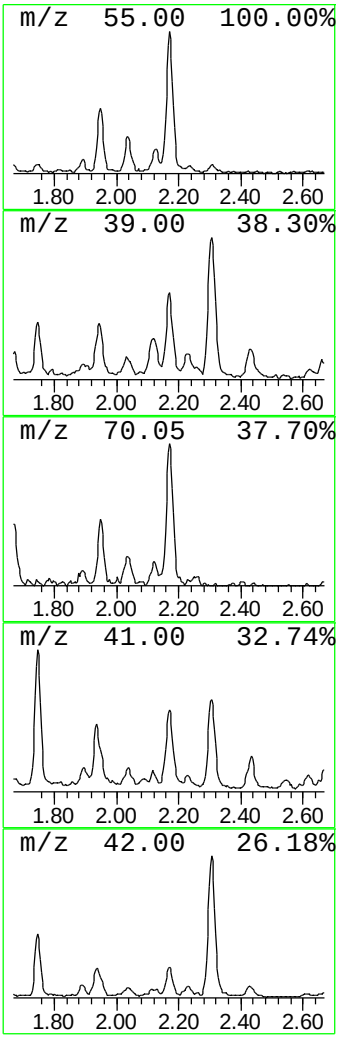
****

Peak Number 4 (DEL) Alkane: Cyclic2.17 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	4.24 ug/L	111533	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	86
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86
3	1-Butene, 3-methyl-	70	C5H10	000563-45-1	78
4	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	78
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

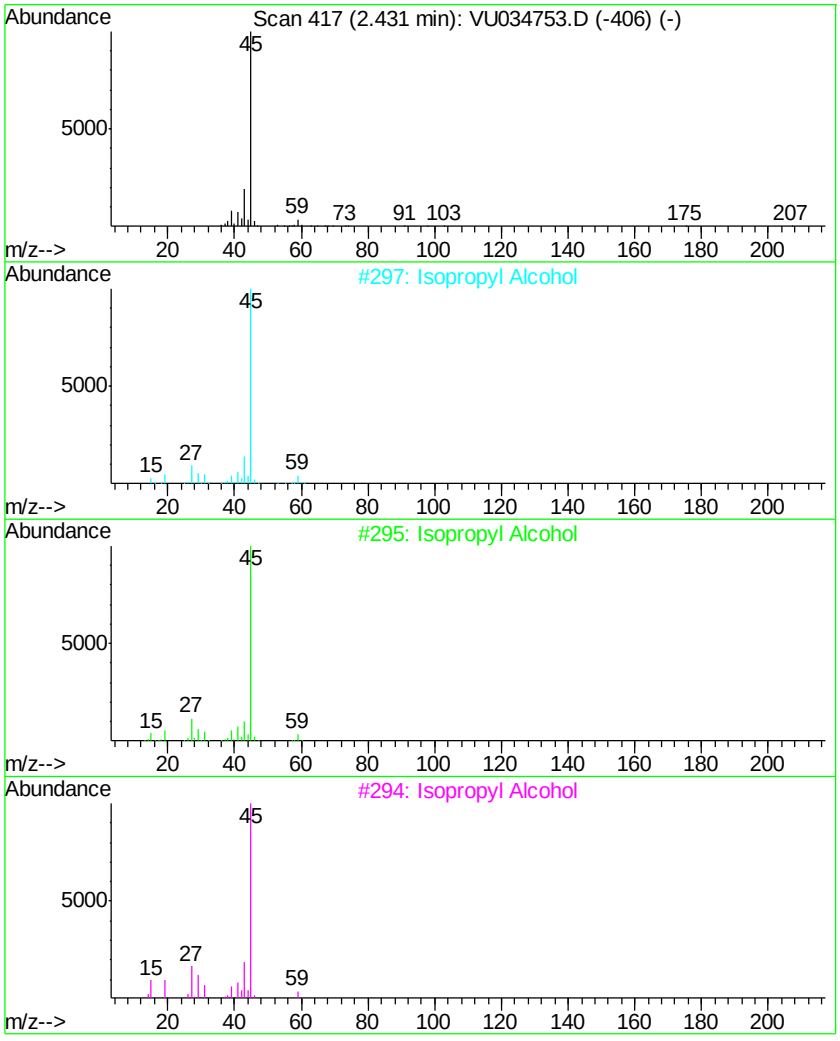
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

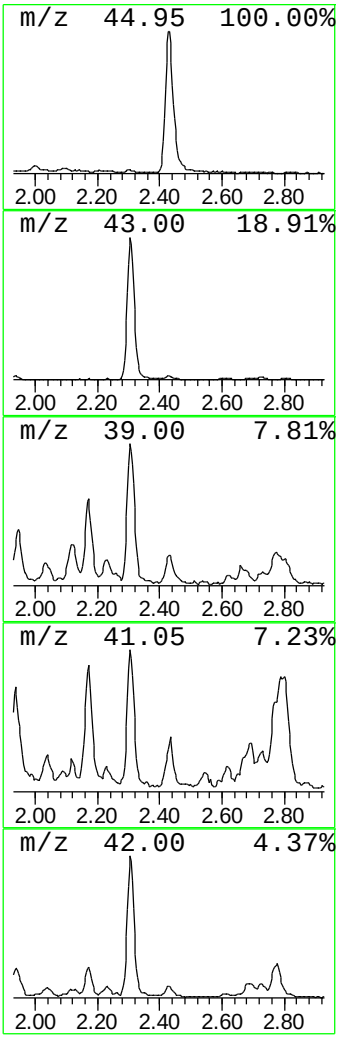
****

Peak Number 5 Isopropyl Alcohol Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	4.82 ug/L	126848	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	80
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	50
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

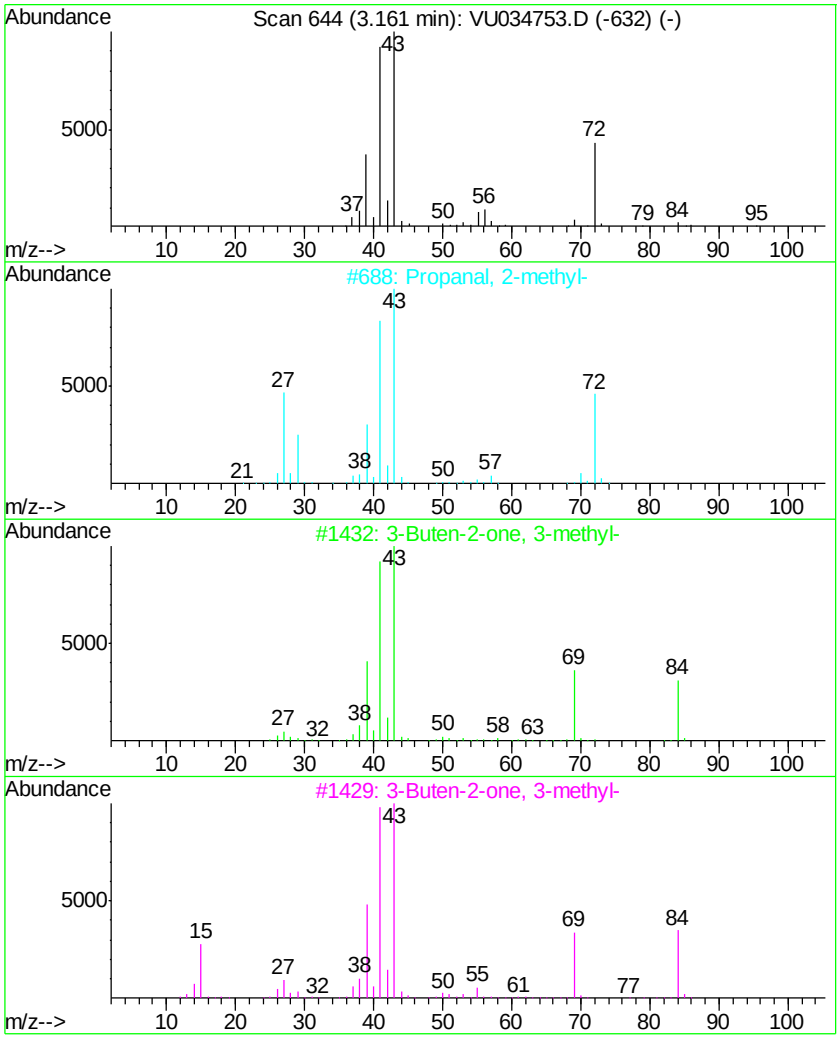
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

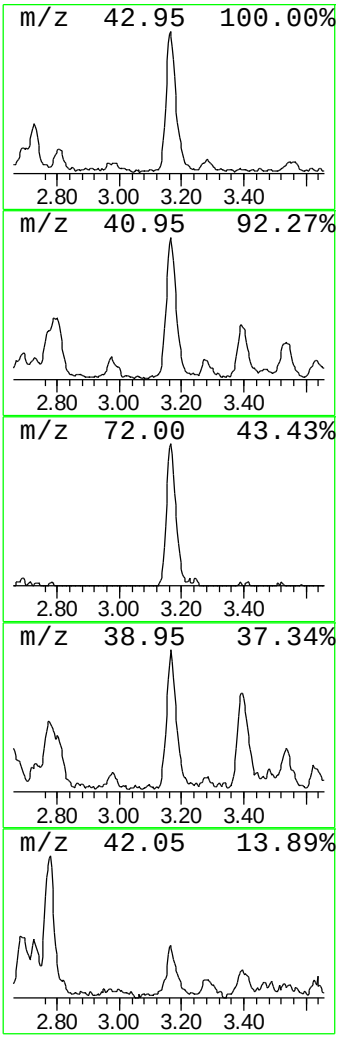
****

Peak Number 6 Propanal, 2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	5.54 ug/L	145822	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50
4	Butanal	72	C4H8O	000123-72-8	50
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

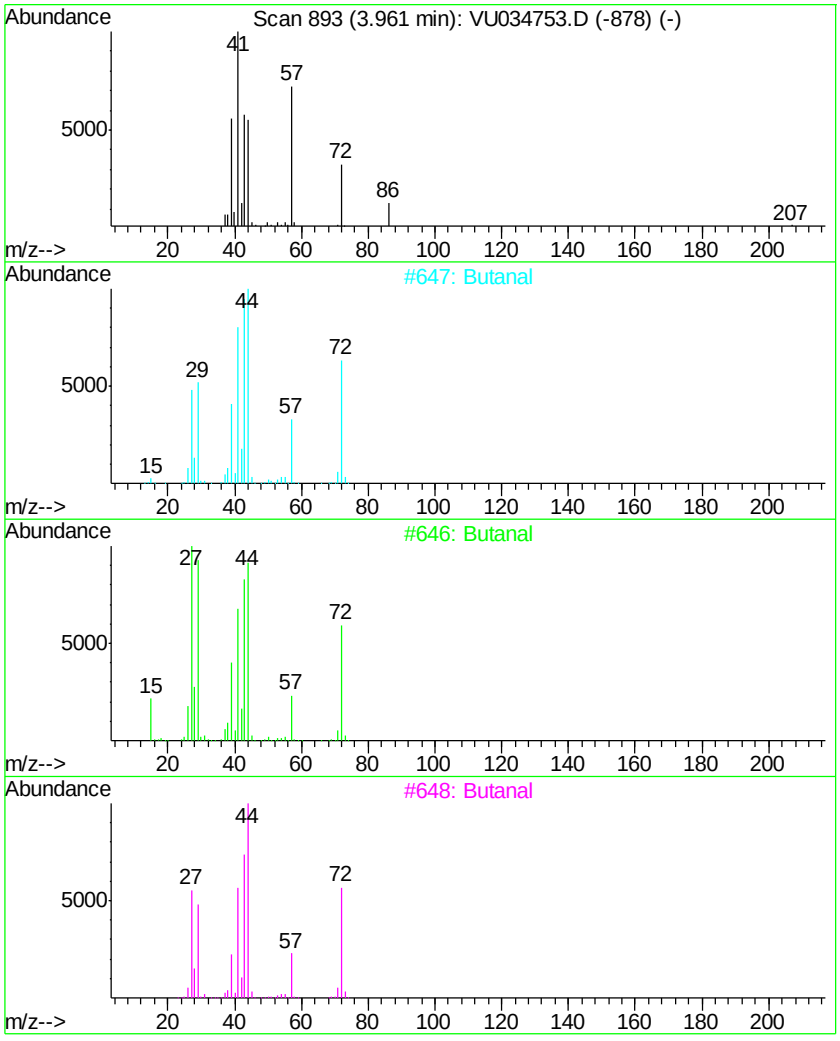
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

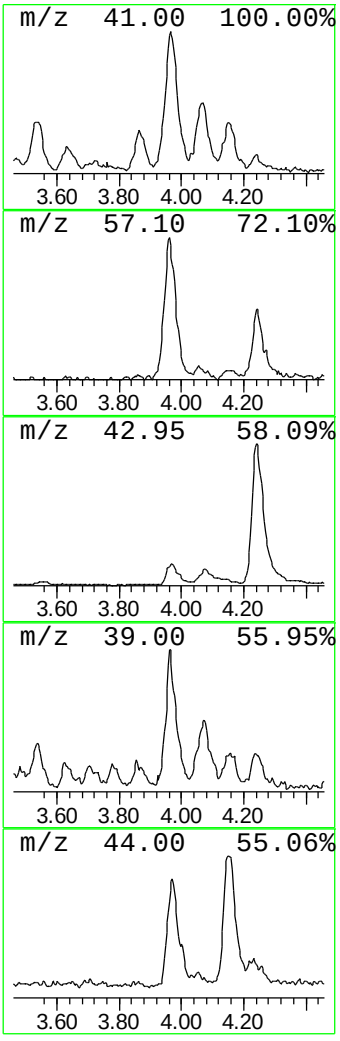
****

Peak Number 7 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.46 ug/L	143688	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	49
2	Butanal	72	C4H8O	000123-72-8	49
3	Butanal	72	C4H8O	000123-72-8	43
4	1,6:3,4-Dianhydro-2-deoxy-.beta....	128	C6H8O3	050767-52-7	42
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	38





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

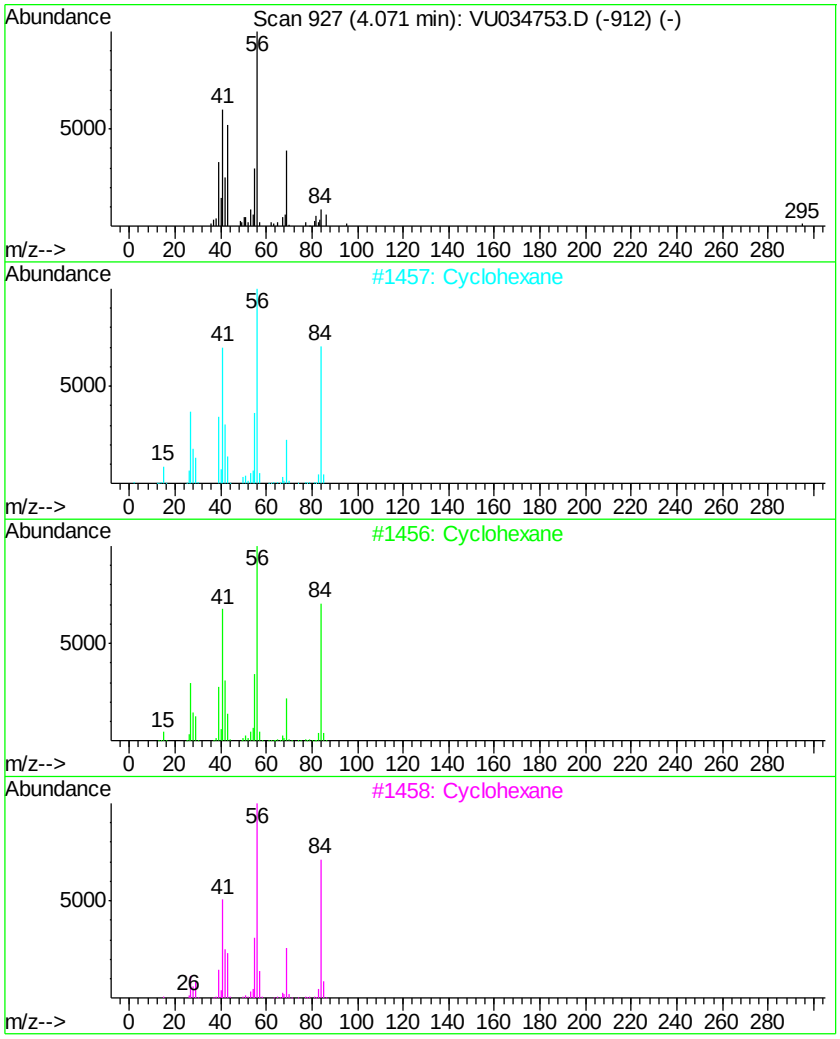
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

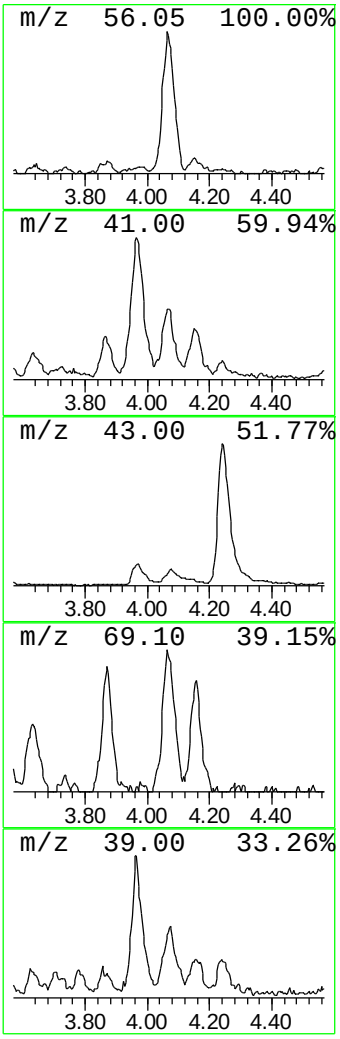
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic4.07 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	3.91 ug/L	103022	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	64
2	Cyclohexane	84	C6H12	000110-82-7	64
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	64





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

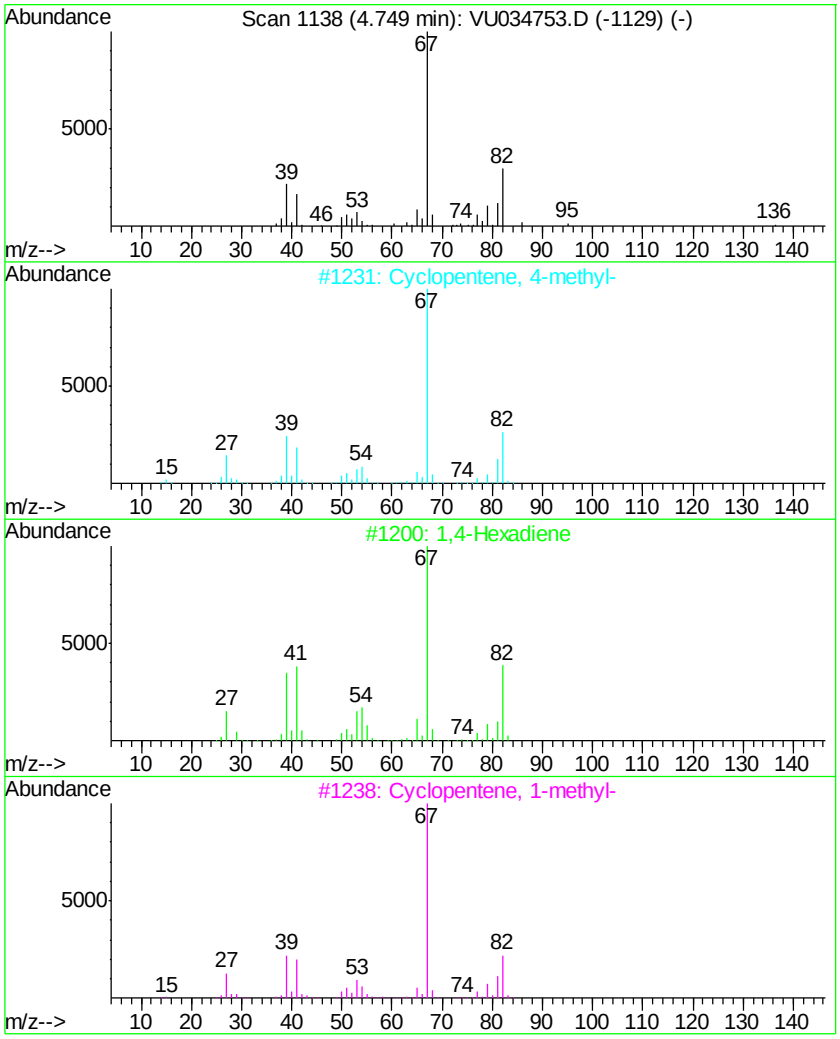
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

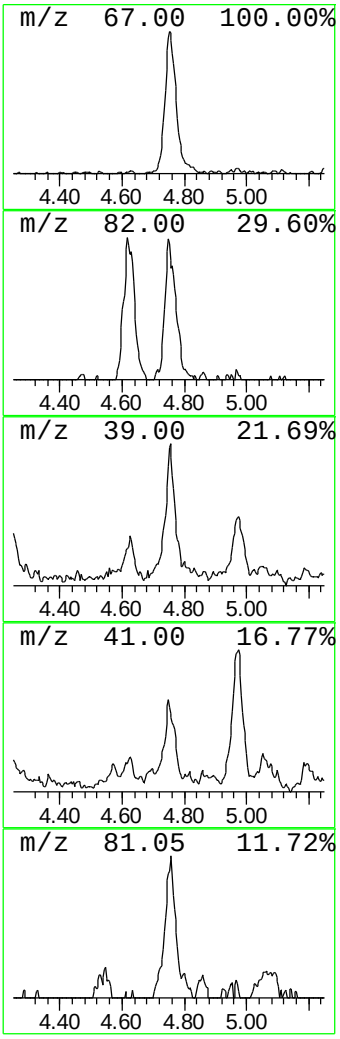
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopentene, 4-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	3.73 ug/L	98063	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
2	1,4-Hexadiene	82	C6H10	000592-45-0	80
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80
4	2,4-Hexadiene, (E,Z)-	82	C6H10	005194-50-3	80
5	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	80





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

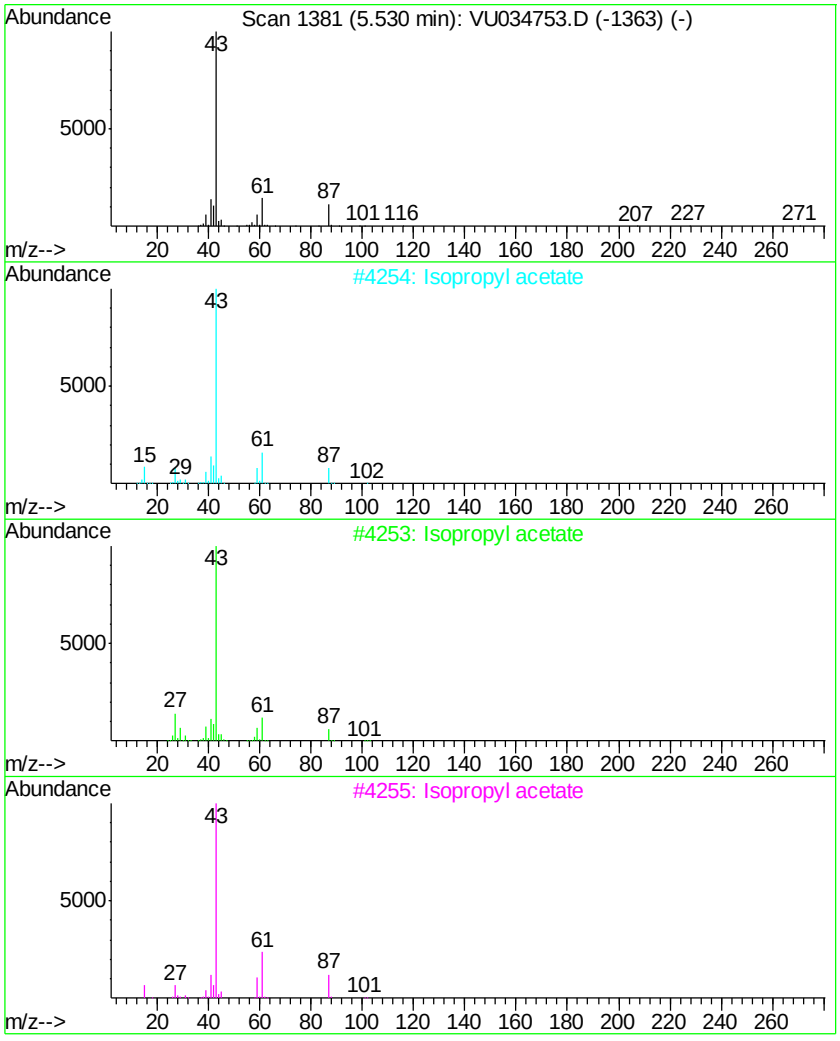
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

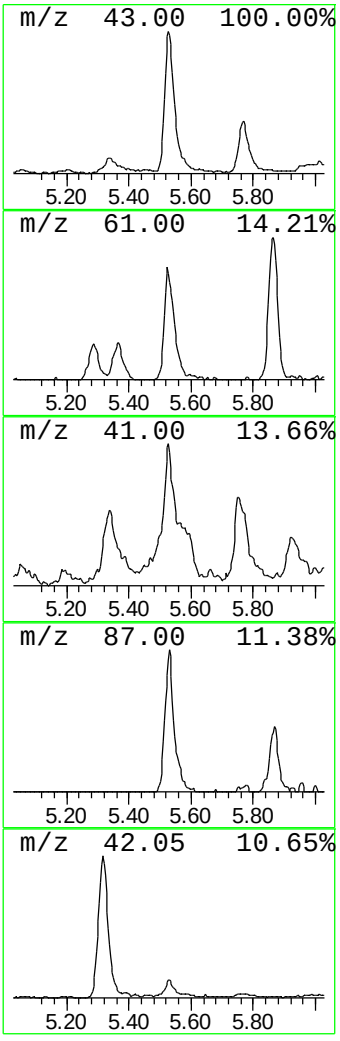
****

Peak Number 10 Isopropyl acetate Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.59 ug/L	199750	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	53
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Isopropyl acetate	102	C5H10O2	000108-21-4	42
5	n-Propyl acetate	102	C5H10O2	000109-60-4	33





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

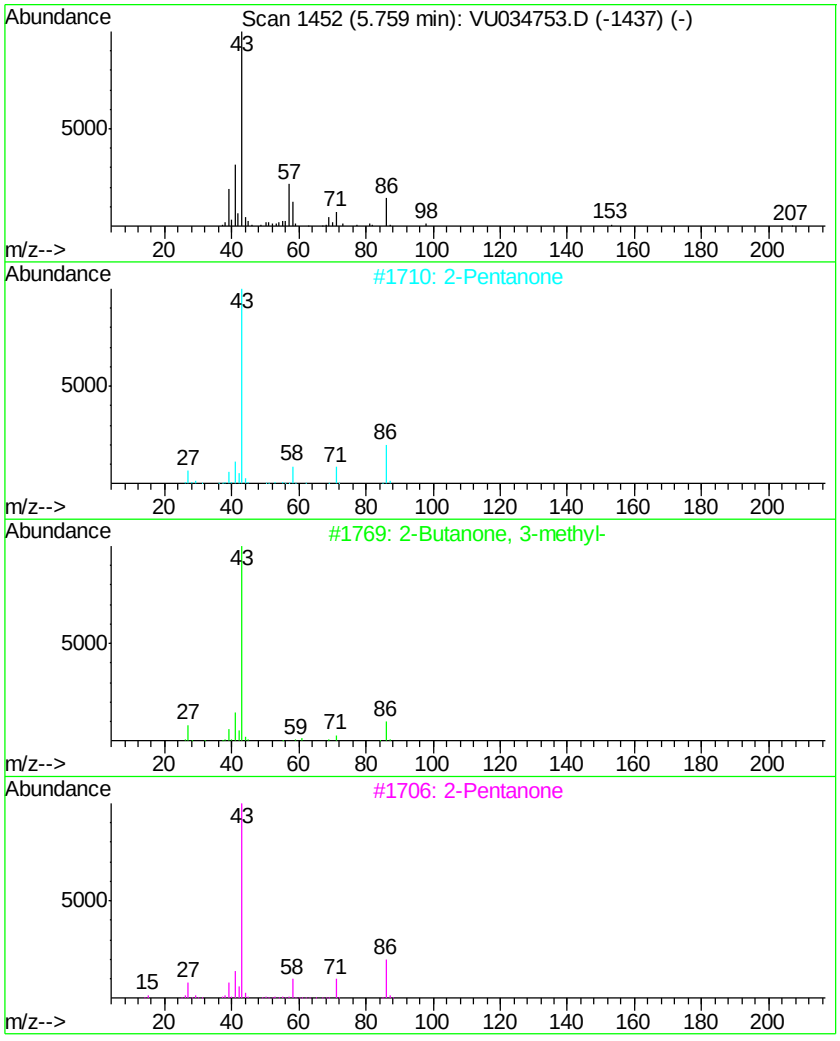
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

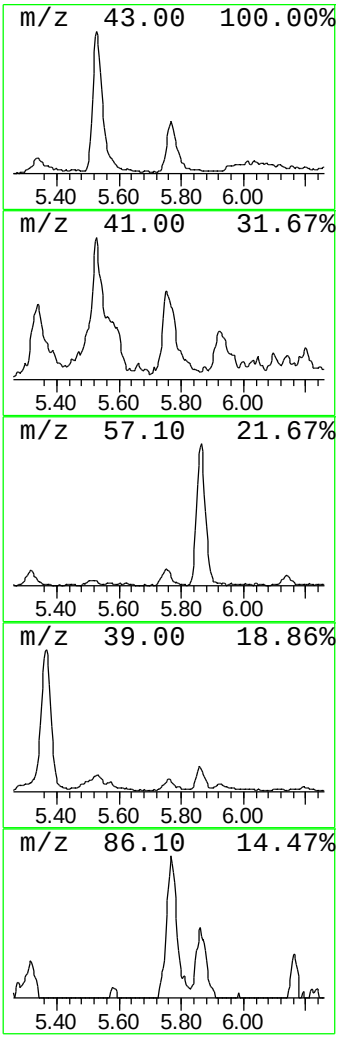
****

Peak Number 11 unknown-02 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.76	3.87 ug/L	101946	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	46
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	43
3	2-Pentanone	86	C5H10O	000107-87-9	38
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	38
5	2,3-Butanedione	86	C4H6O2	000431-03-8	16





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

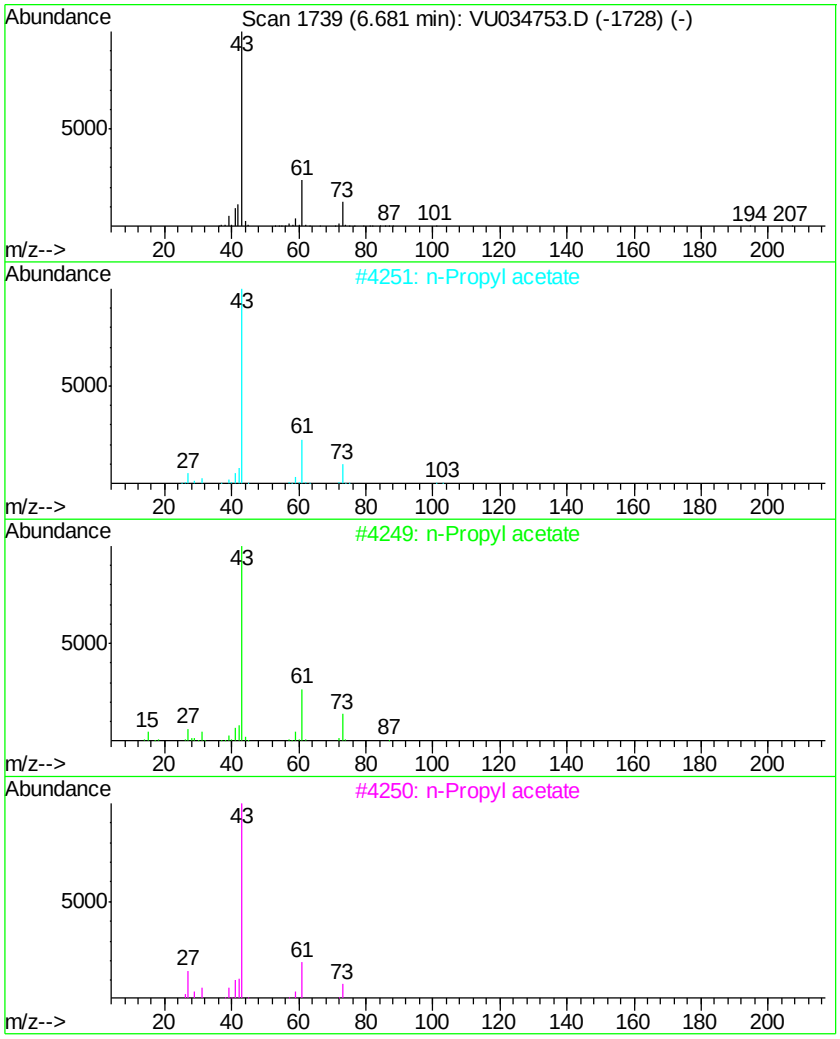
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

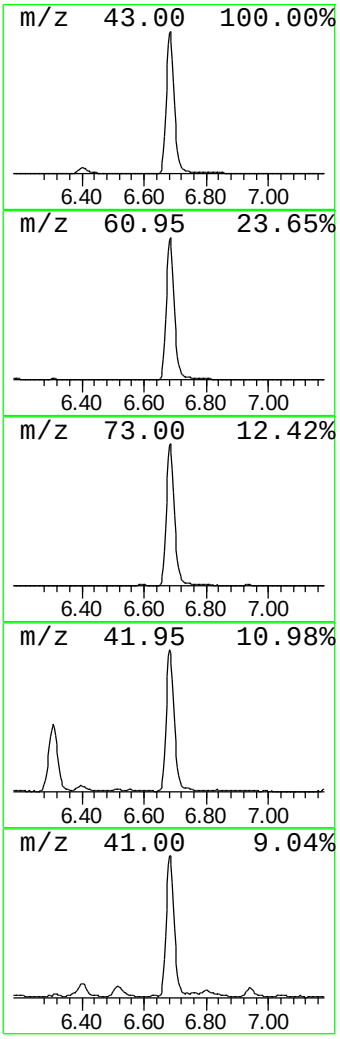
****

Peak Number 12 n-Propyl acetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	112.99 ug/L	2973430	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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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

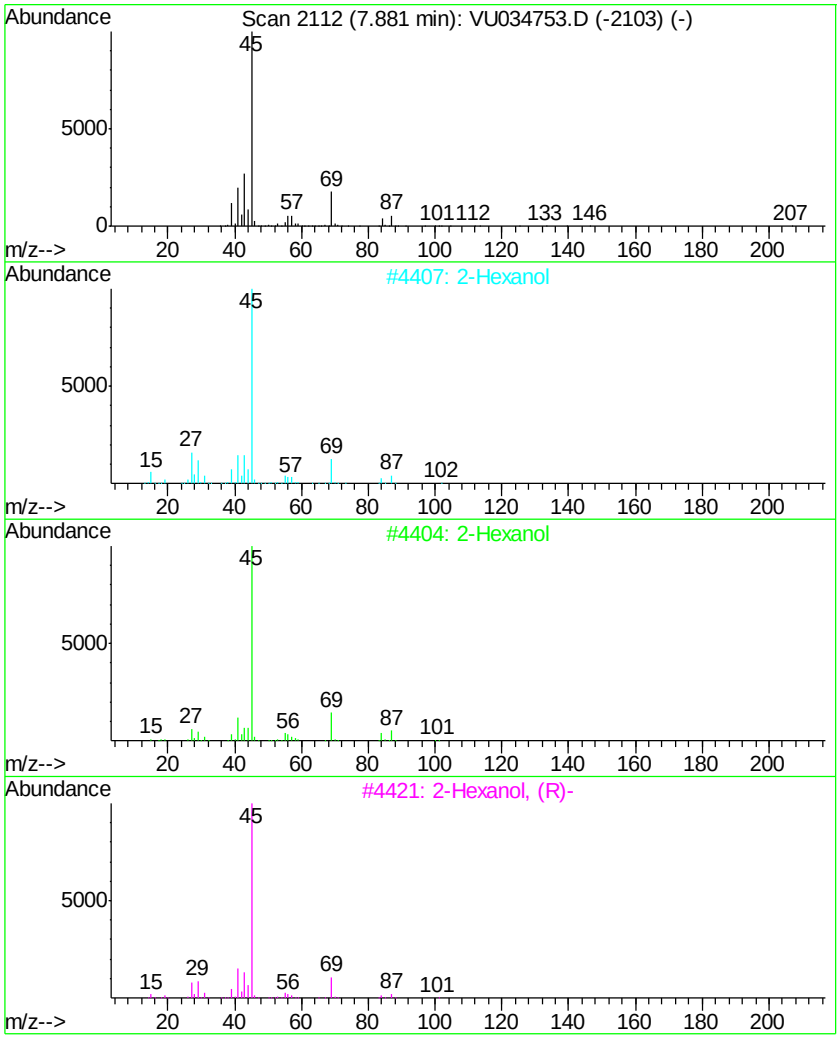
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

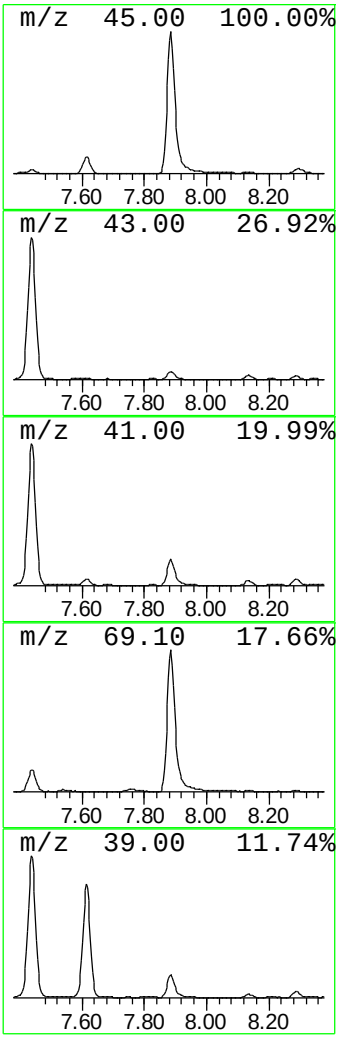
****

Peak Number 14 2-Hexanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	98.68 ug/L	3344040	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Hexanol, (R)-	102	C6H14O	026549-24-6	64
4	2-Hexanol	102	C6H14O	000626-93-7	64
5	2-Hexanol	102	C6H14O	000626-93-7	64





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

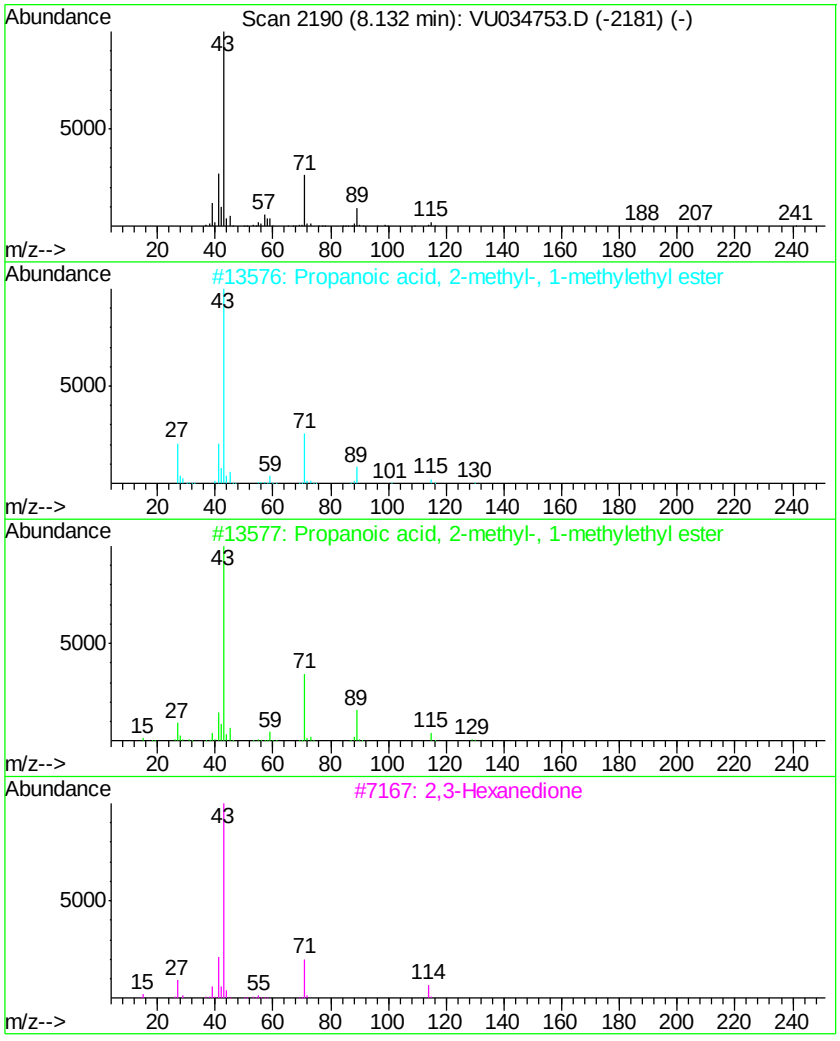
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

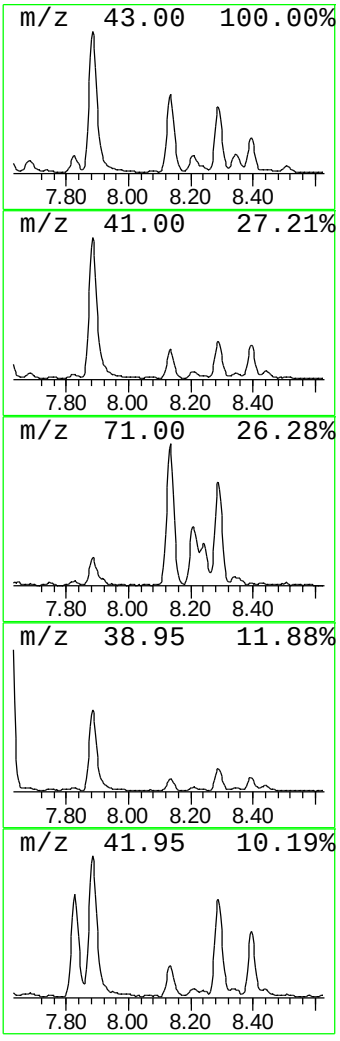
****

Peak Number 15 Propanoic acid, 2-methyl-, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	12.66 ug/L	428953	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	50
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	50
5	3-Hexanone, 5-hydroxy-2-methyl-	130	C7H14O2	059357-07-2	40





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

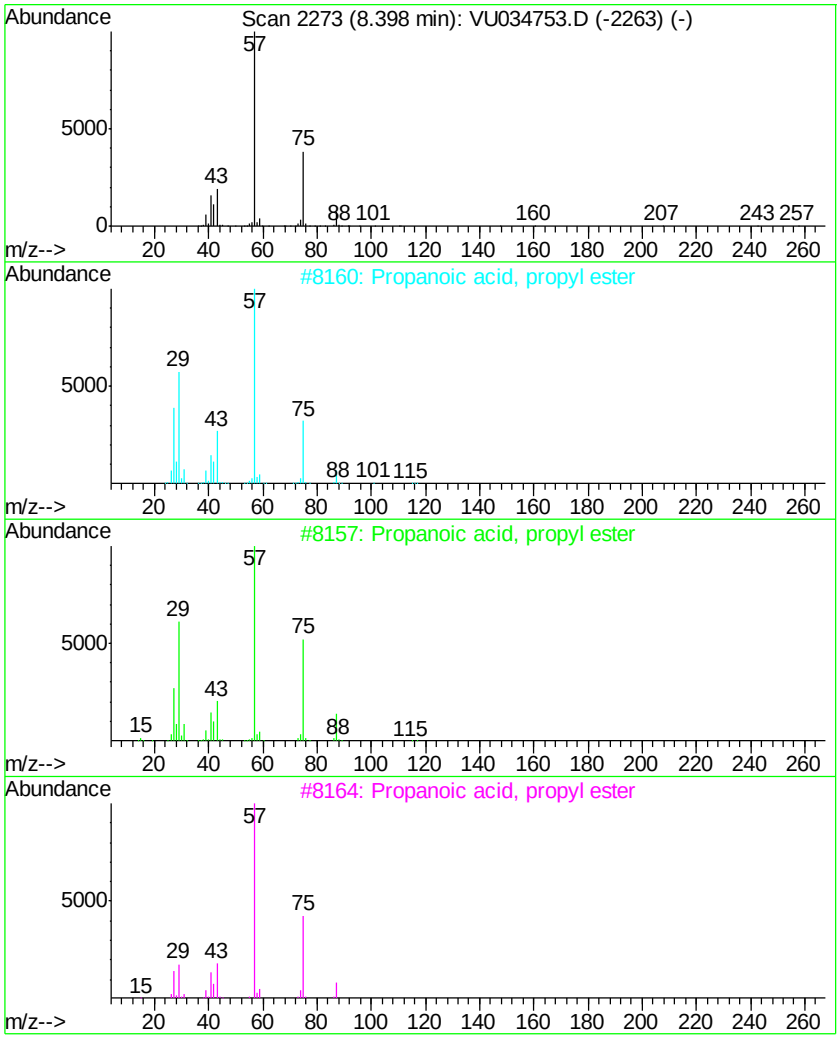
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

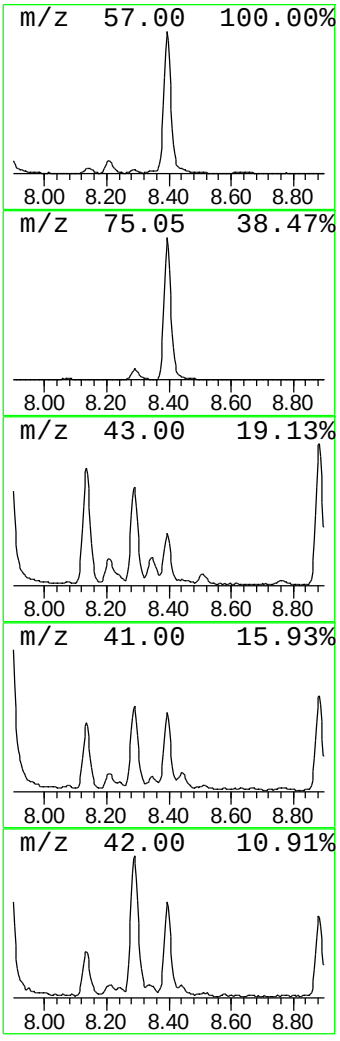
****

Peak Number 16 Propanoic acid, propyl ester Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	21.34 ug/L	723232	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	56
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	9





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

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

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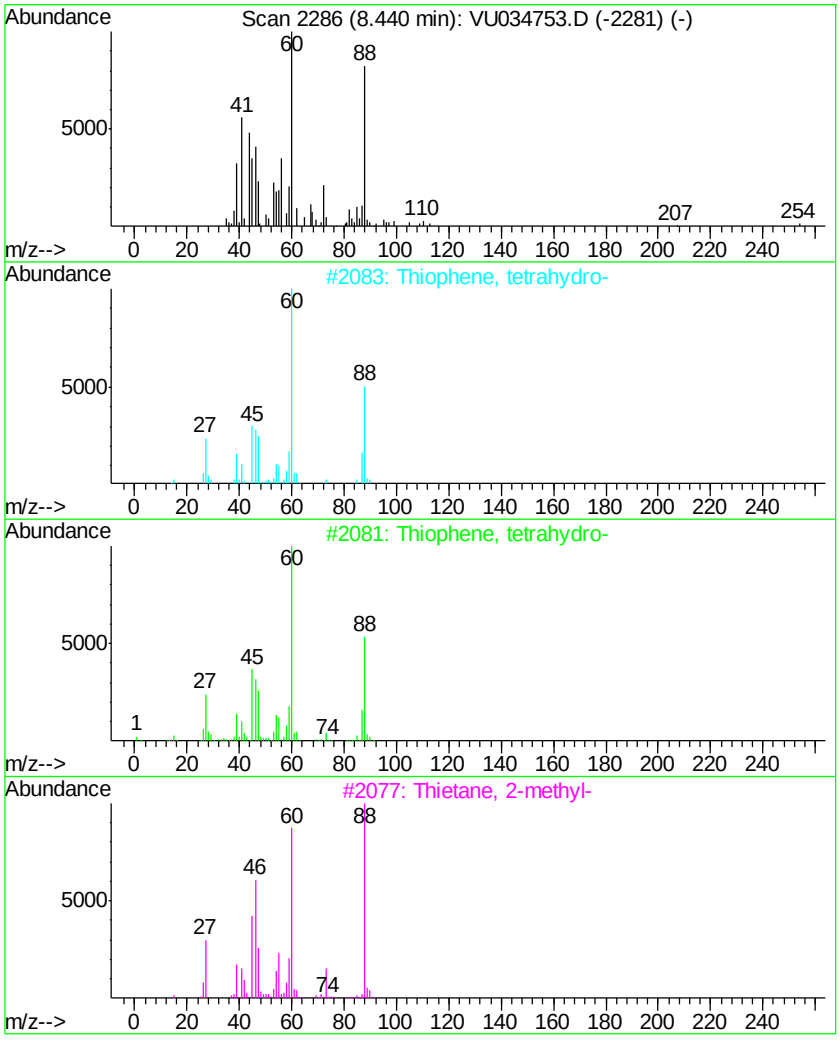
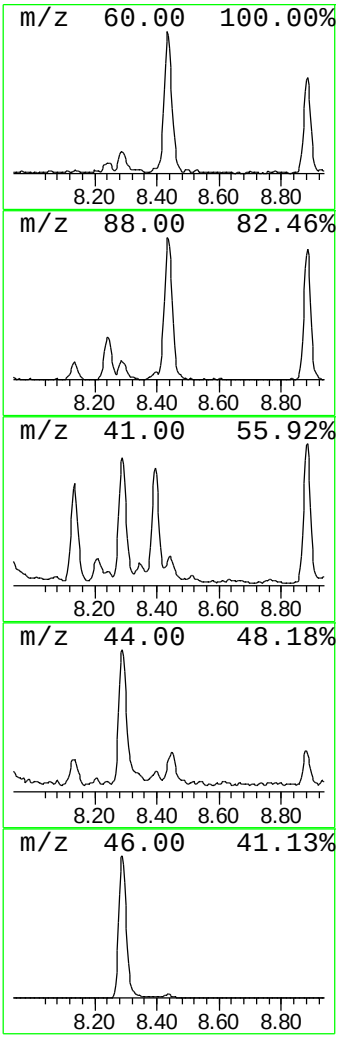
Peak Number 17 Thiophene, tetrahydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	6.22 ug/L	210853	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	50
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	50
3	Thietane, 2-methyl-	88	C4H8S	017837-41-1	47
4	1-Butanol, 4-mercapto-	106	C4H10OS	014970-83-3	42
5	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	38





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Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

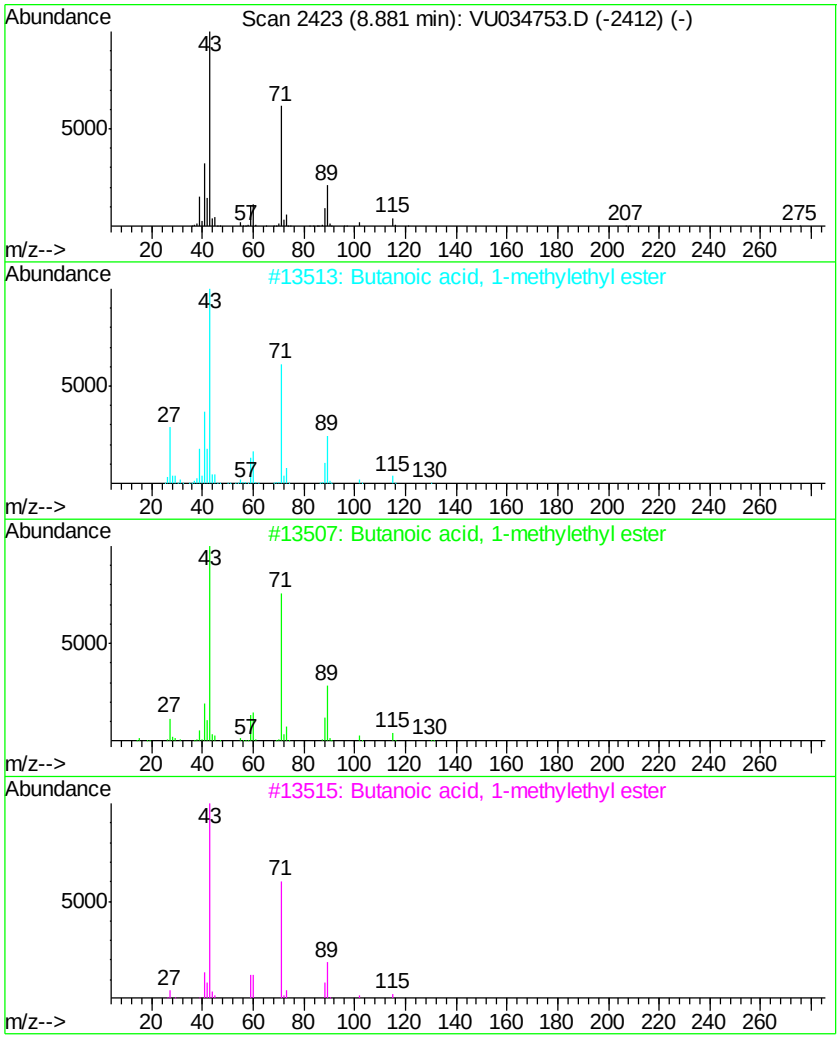
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

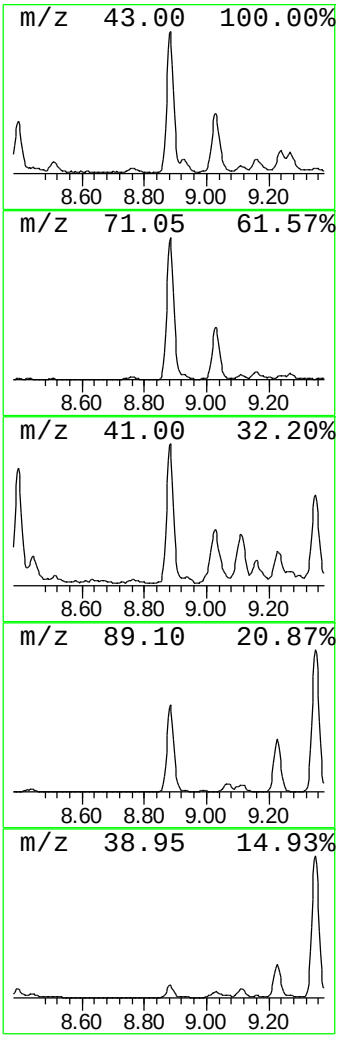
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Butanoic acid, 1-methylethy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	20.37 ug/L	690214	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

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

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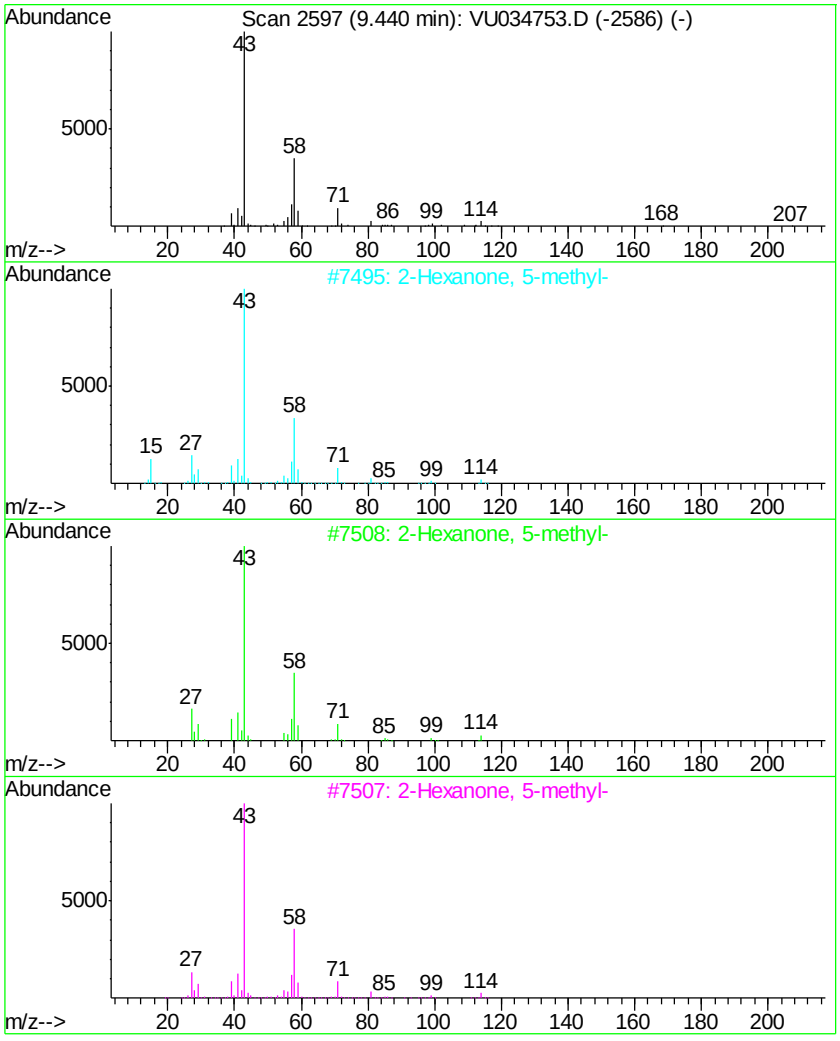
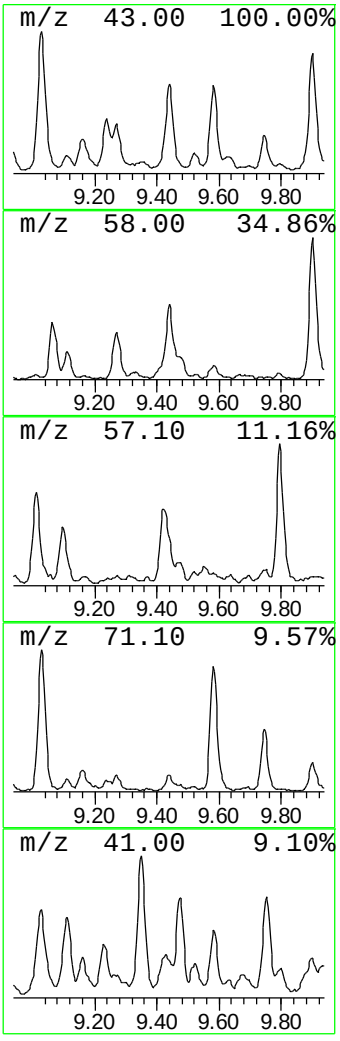
Peak Number 19 2-Hexanone, 5-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	5.39 ug/L	182744	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	87
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	83
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	72
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	64





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

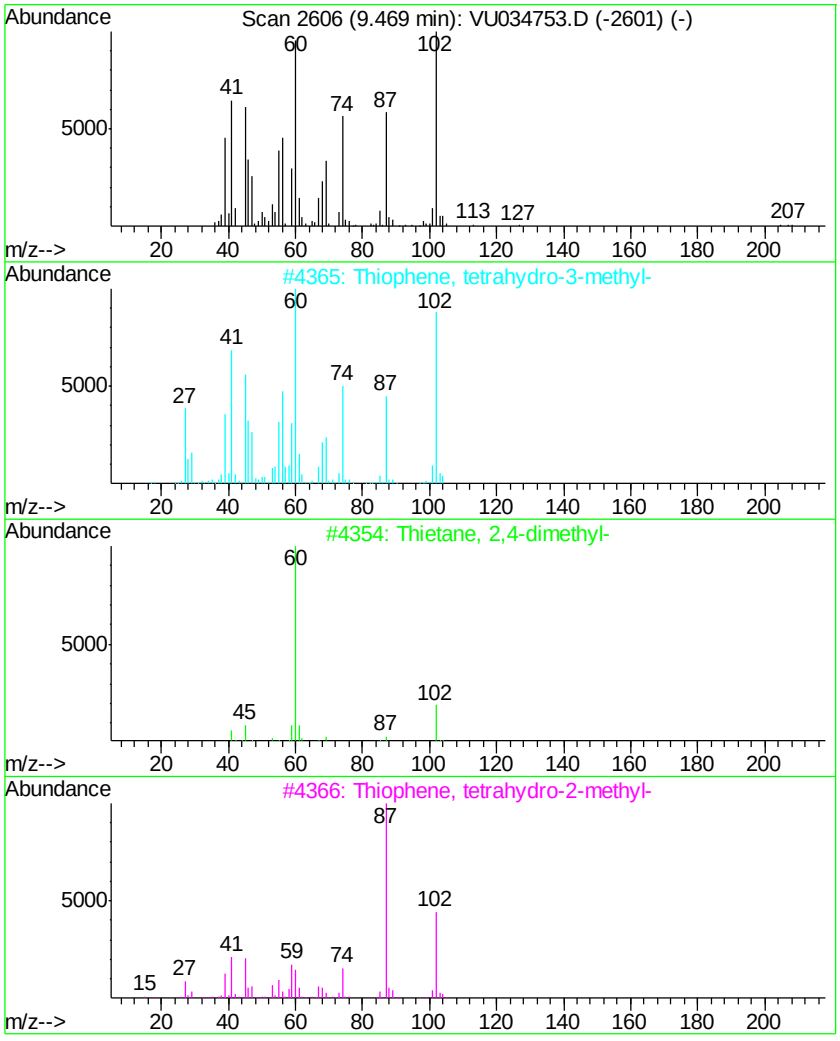
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

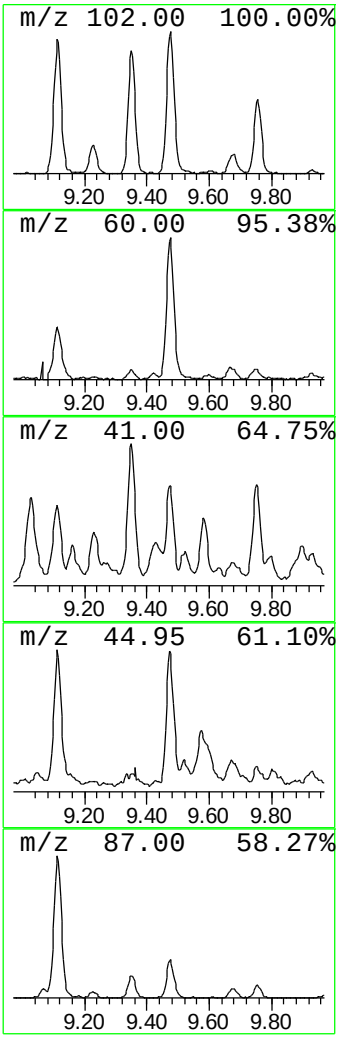
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Thiophene, tetrahydro-3-met... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.87 ug/L	368501	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	95
2	Thietane, 2,4-dimethyl-	102	C5H10S	043044-24-2	43
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38
5	3-Ethylthio-1-propene	102	C5H10S	005296-62-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

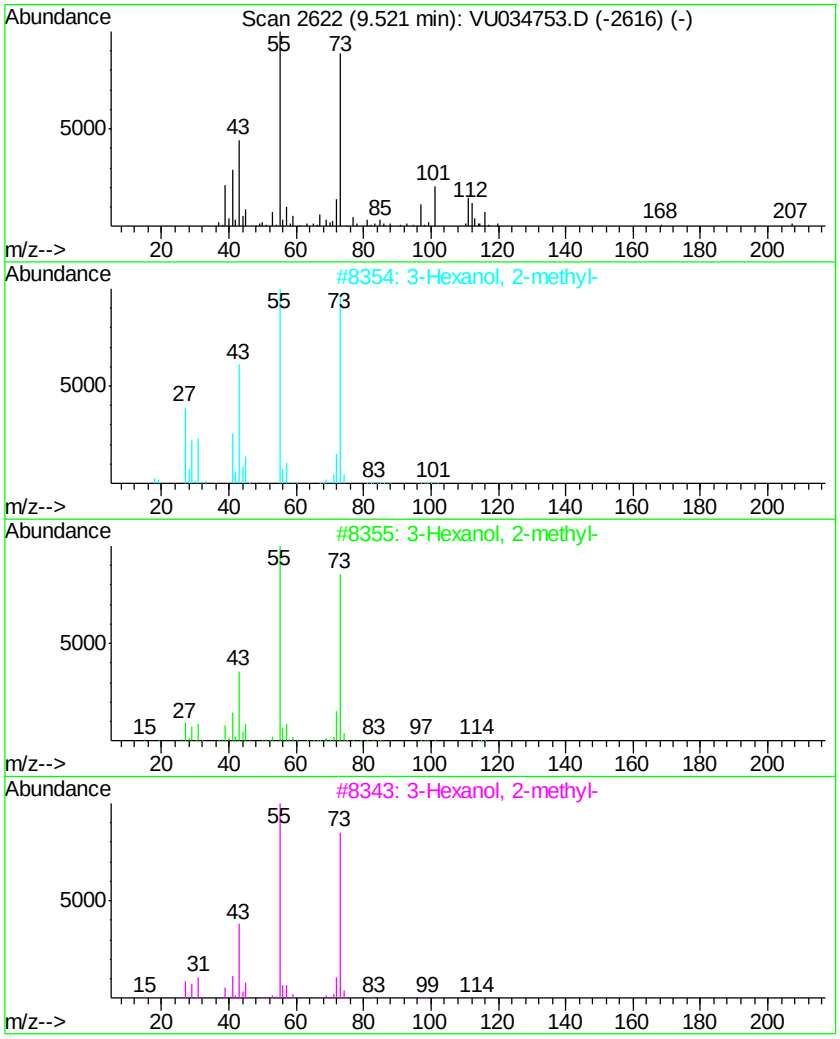
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

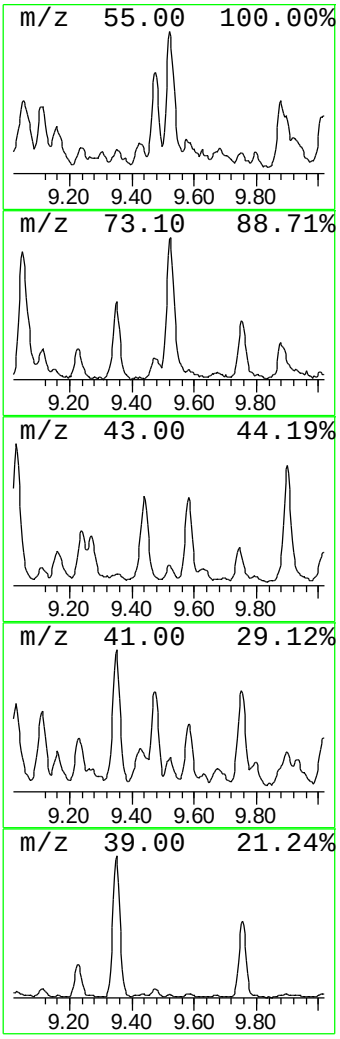
****

Peak Number 21 unknown-03 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	3.23 ug/L	109444	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	35
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	35
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	35
4	4-Heptanol	116	C7H16O	000589-55-9	35
5	1,3-Bis(trimethylsilyl)but-1-ene	200	C10H24Si2	1000214-94-0	27





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

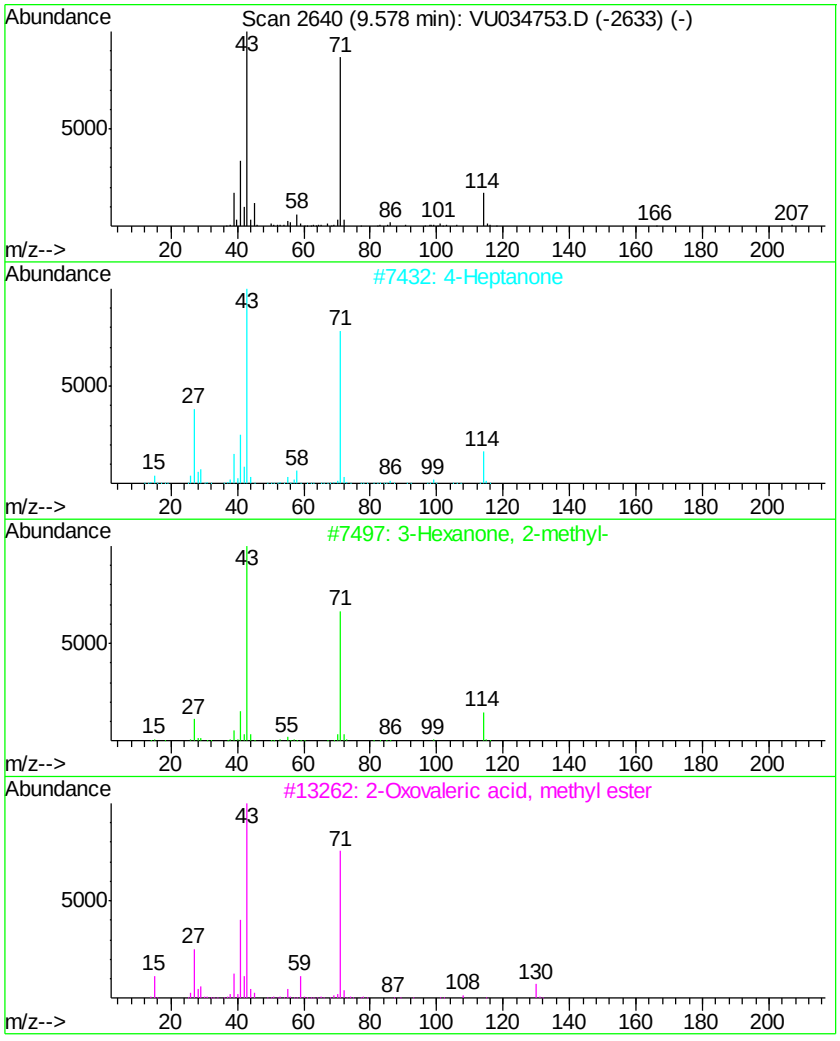
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

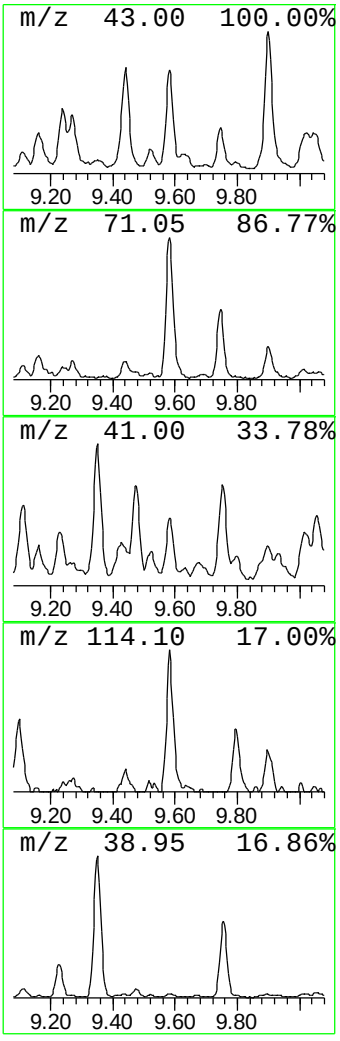
****

Peak Number 22 4-Heptanone Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	5.15 ug/L	174552	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	72
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	2-Oxovaleric acid, methyl ester	130	C6H10O3	1000353-27-4	64
4	4-Heptanone	114	C7H14O	000123-19-3	64
5	4-Heptanone	114	C7H14O	000123-19-3	64





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

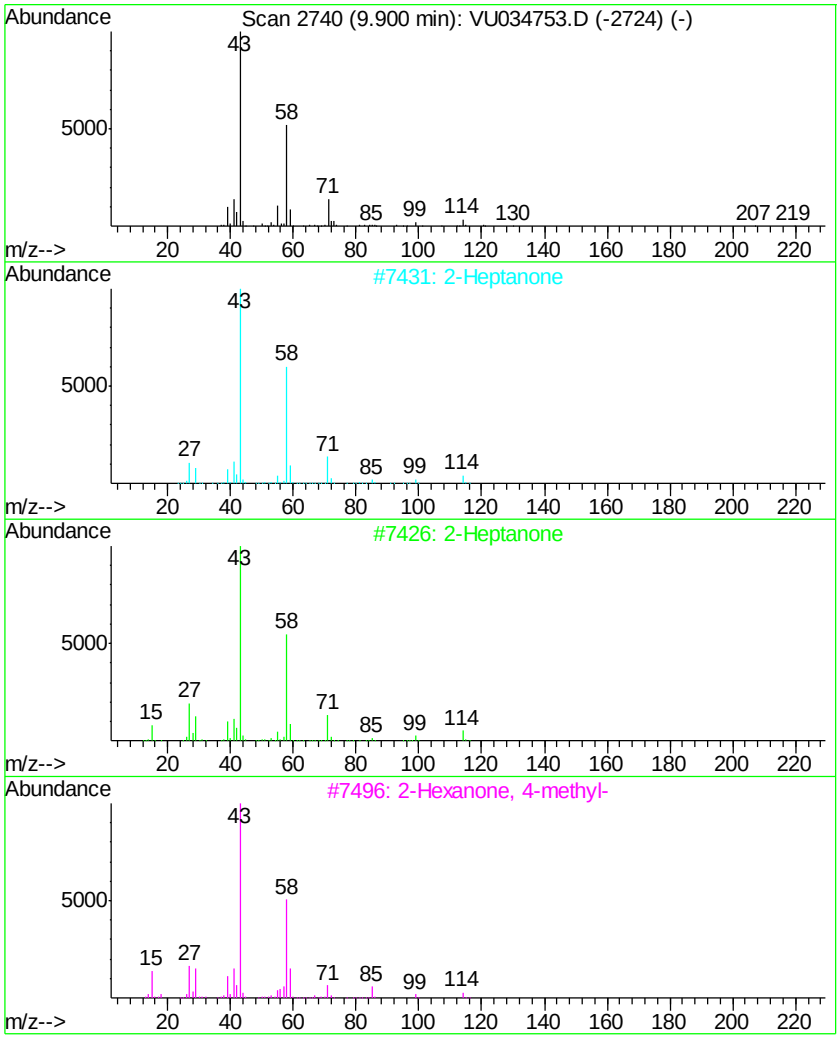
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

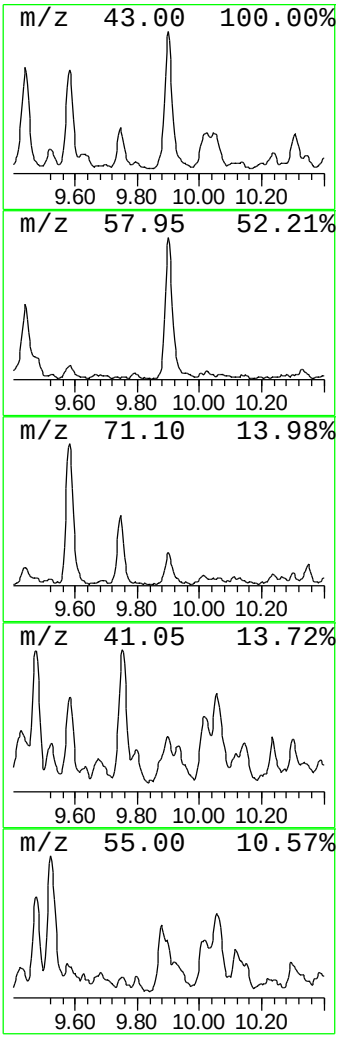
****

Peak Number 23 2-Heptanone Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	7.48 ug/L	253448	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Heptanone	114	C7H14O	000110-43-0	80
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	78
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	78
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	78





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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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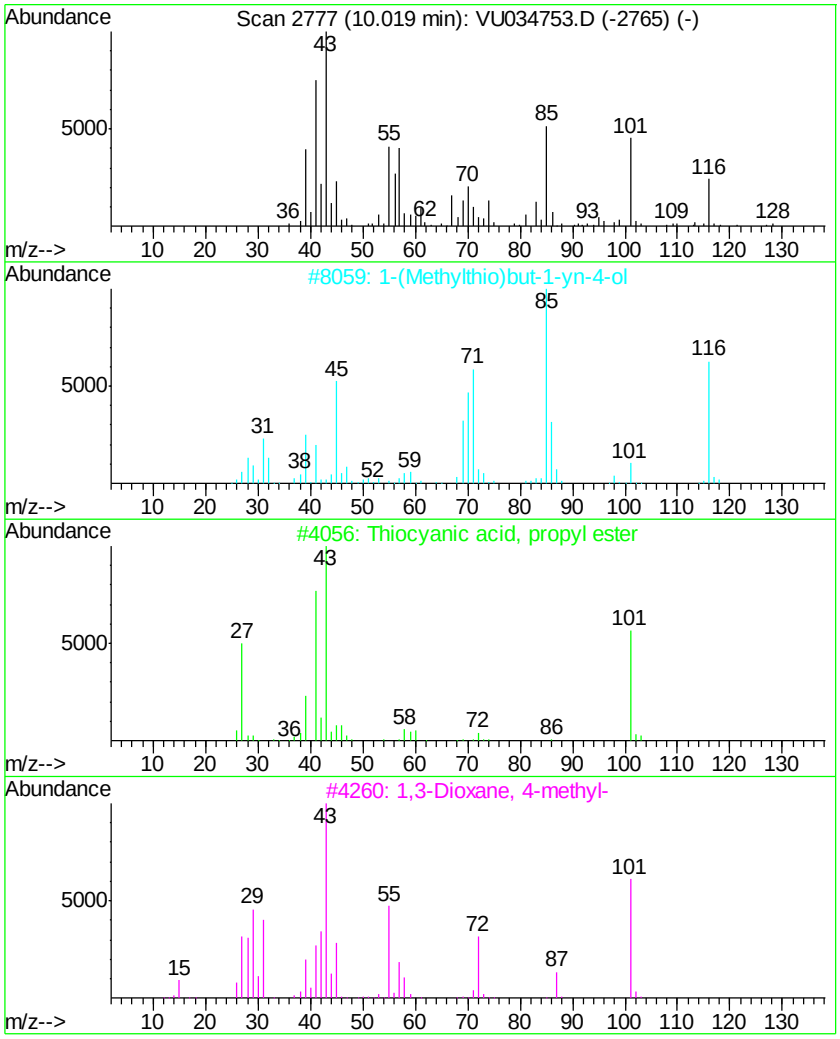
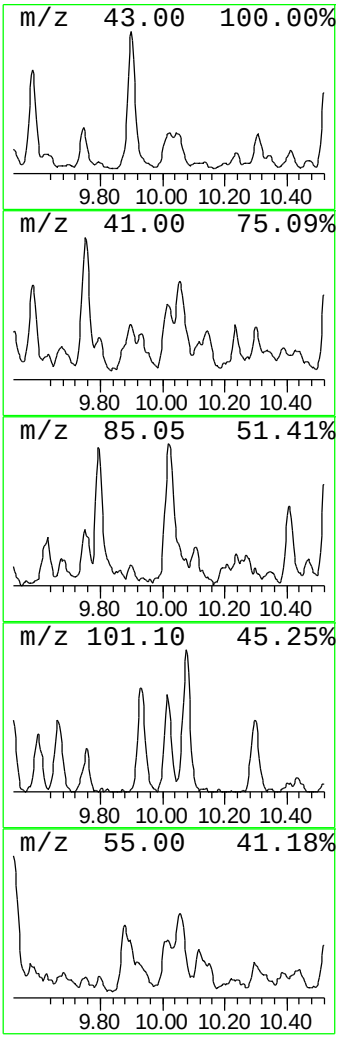
Peak Number 24 unknown-04 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	5.27 ug/L	178442	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Methylthio)but-1-yn-4-ol	116	C5H8OS	1000250-40-7	38
2	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	25
3	1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	25
4	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	22
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	22





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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

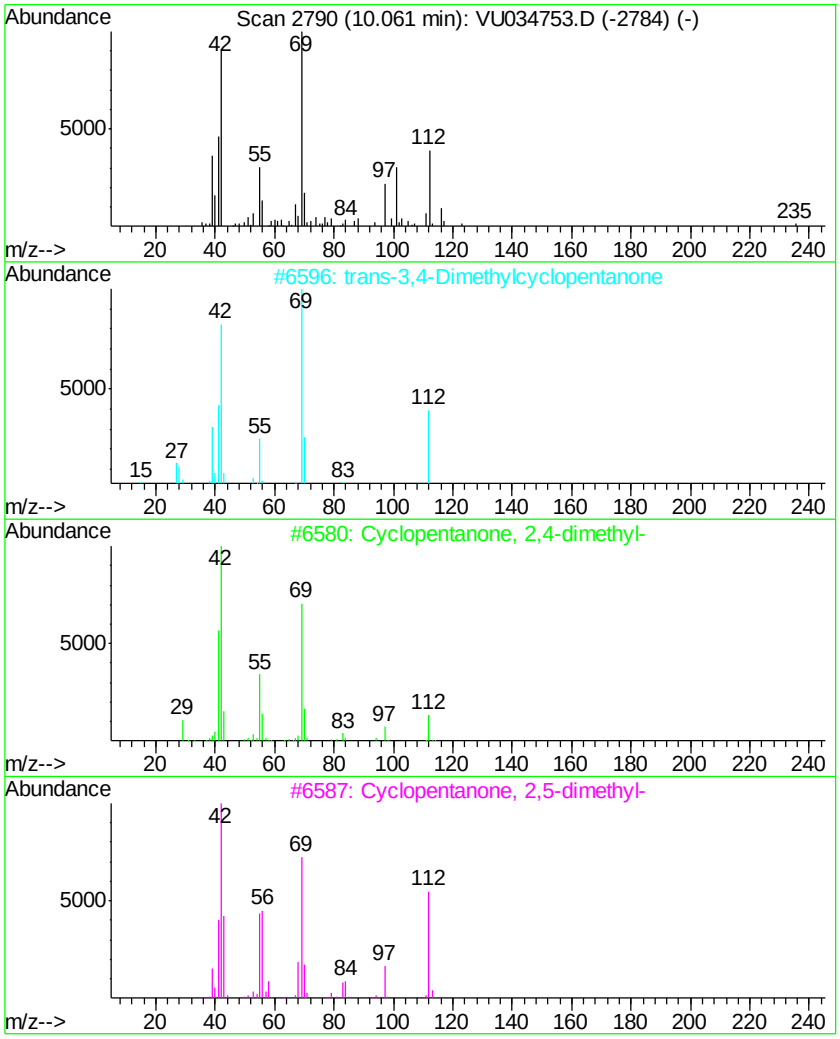
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

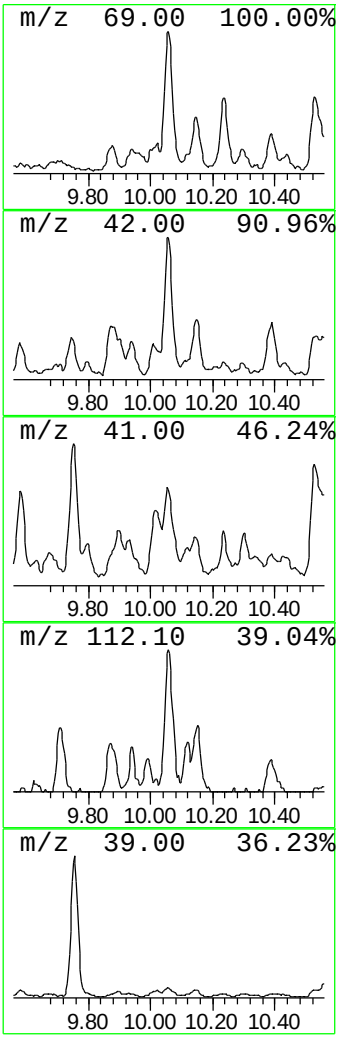
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 trans-3,4-Dimethylcyclopent... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	5.80 ug/L	196676	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3,4-Dimethylcyclopentanone	112	C7H12O	019550-73-3	72
2	Cyclopentanone, 2,4-dimethyl-	112	C7H12O	001121-33-1	68
3	Cyclopentanone, 2,5-dimethyl-	112	C7H12O	004041-09-2	45
4	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	27
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

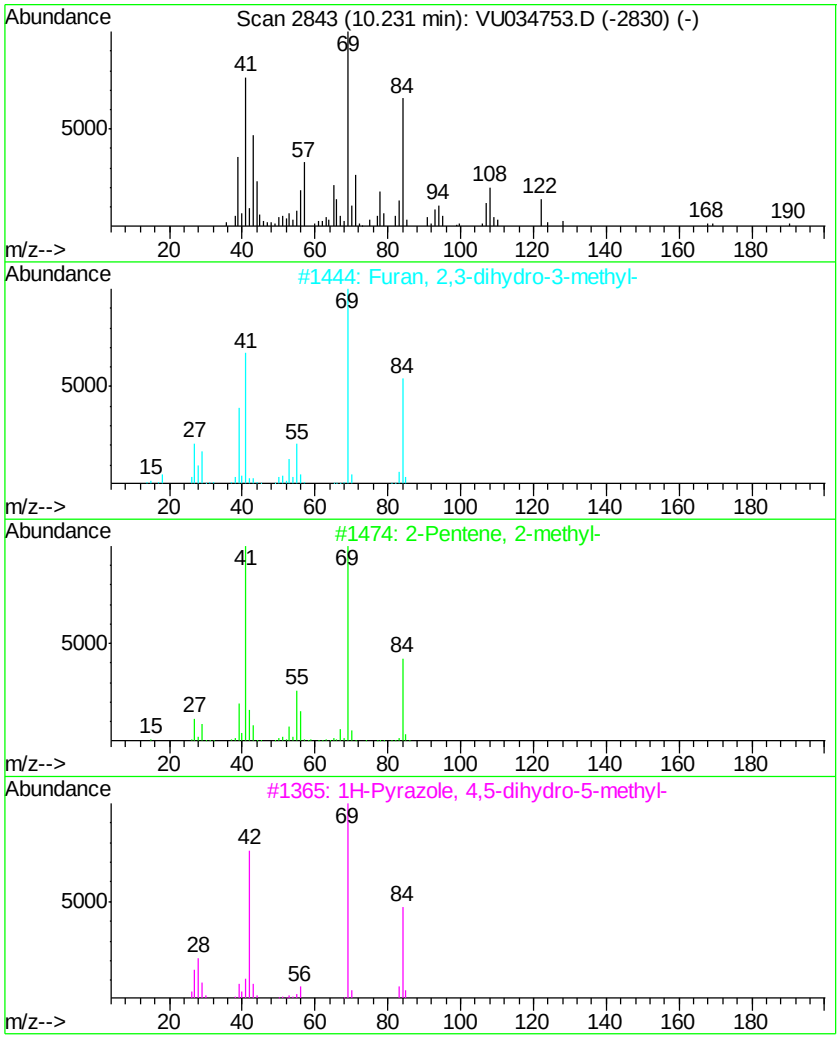
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

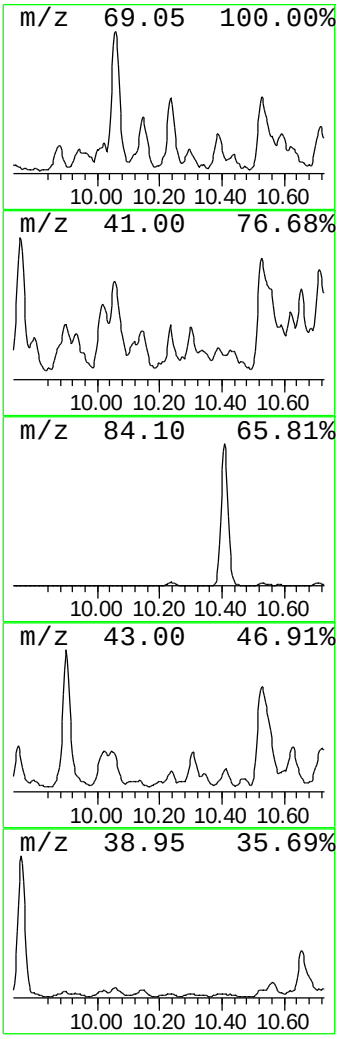
****

Peak Number 26 unknown-05 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	2.89 ug/L	97909	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-3-methyl-	84	C5H8O	001708-27-6	49
2	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	46
3	1H-Pyrazole, 4,5-dihydro-5-methyl-	84	C4H8N2	001568-20-3	46
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	46
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	43





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Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

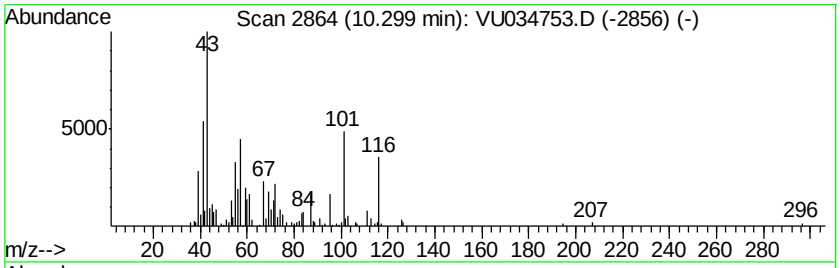
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

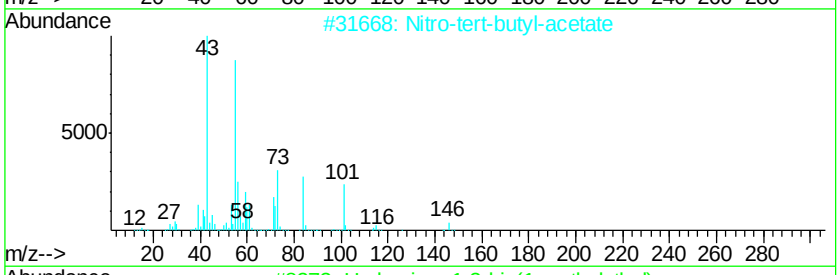
****

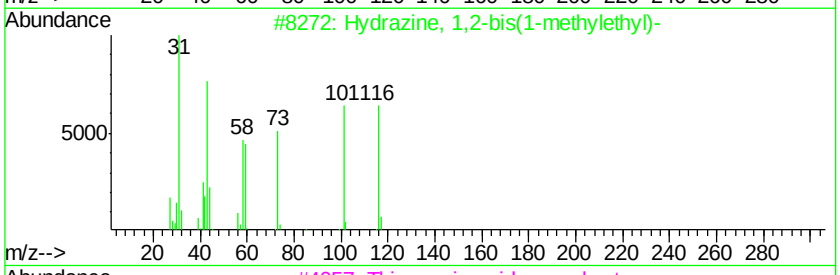
Peak Number 27 unknown-06 Concentration Rank 61

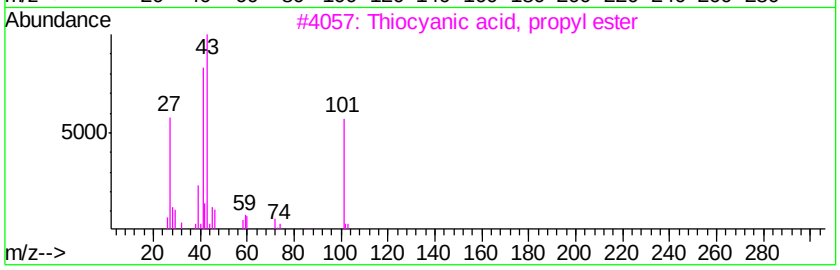
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.60 ug/L	94944	1,4-Dichlorobenzene-d4	11.46

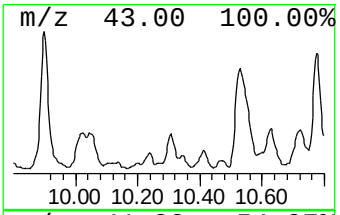
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitro-tert-butyl-acetate	161	C6H11NO4	020867-84-9	37
2	Hydrazine, 1,2-bis(1-methylethyl)-	116	C6H16N2	003711-34-0	22
3	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	14
4	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	14
5	1,3-Dioxane, 4-methyl-	102	C5H10O2	001120-97-4	12

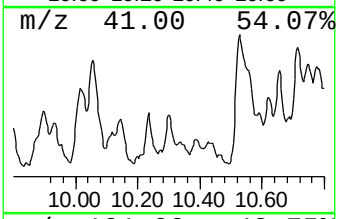


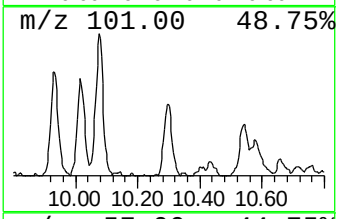


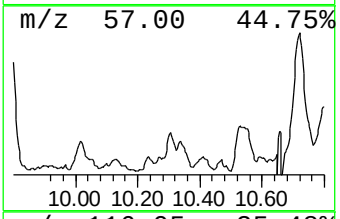


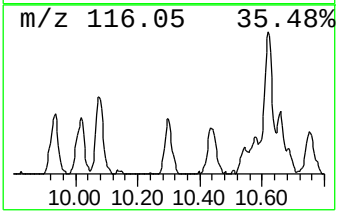












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Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

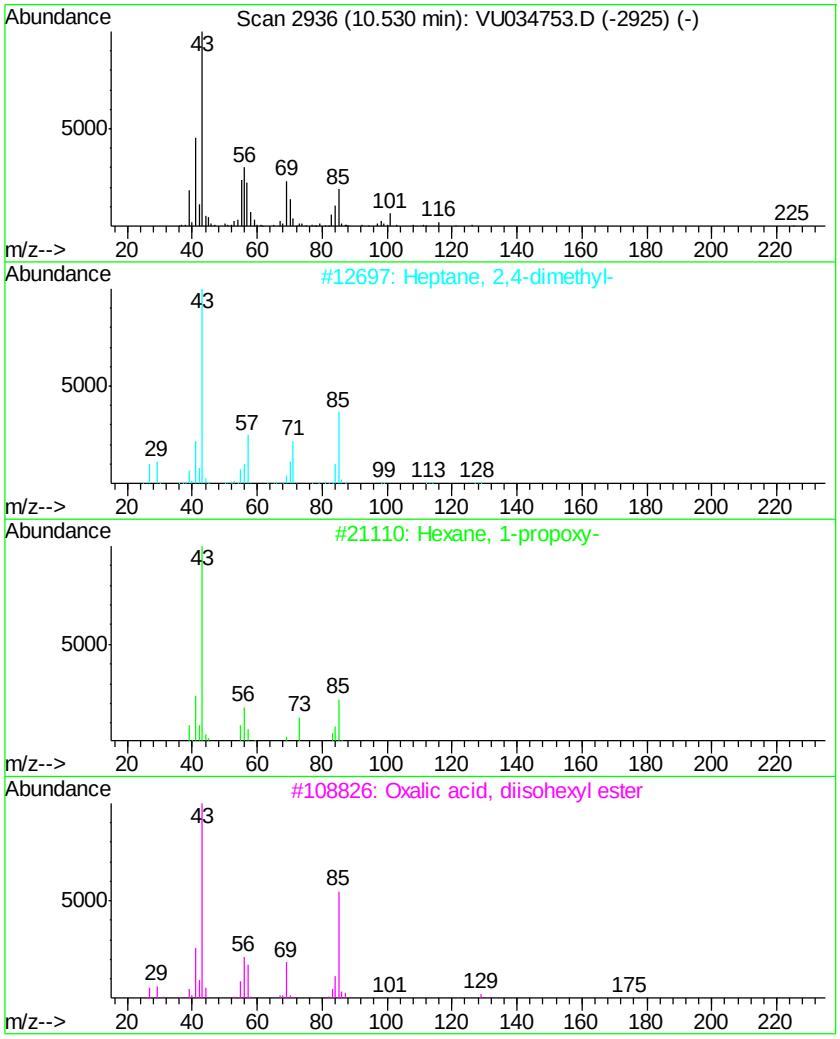
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

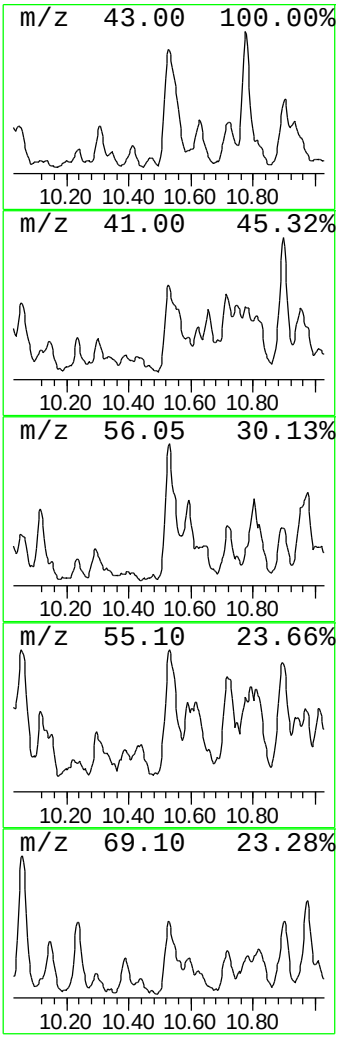
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	5.49 ug/L	200852	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
2	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	59
3	Oxalic acid, diisohexyl ester	258	C14H26O4	1000309-32-9	53
4	4-Undecene, 7-methyl-	168	C12H24	076441-79-7	50
5	1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

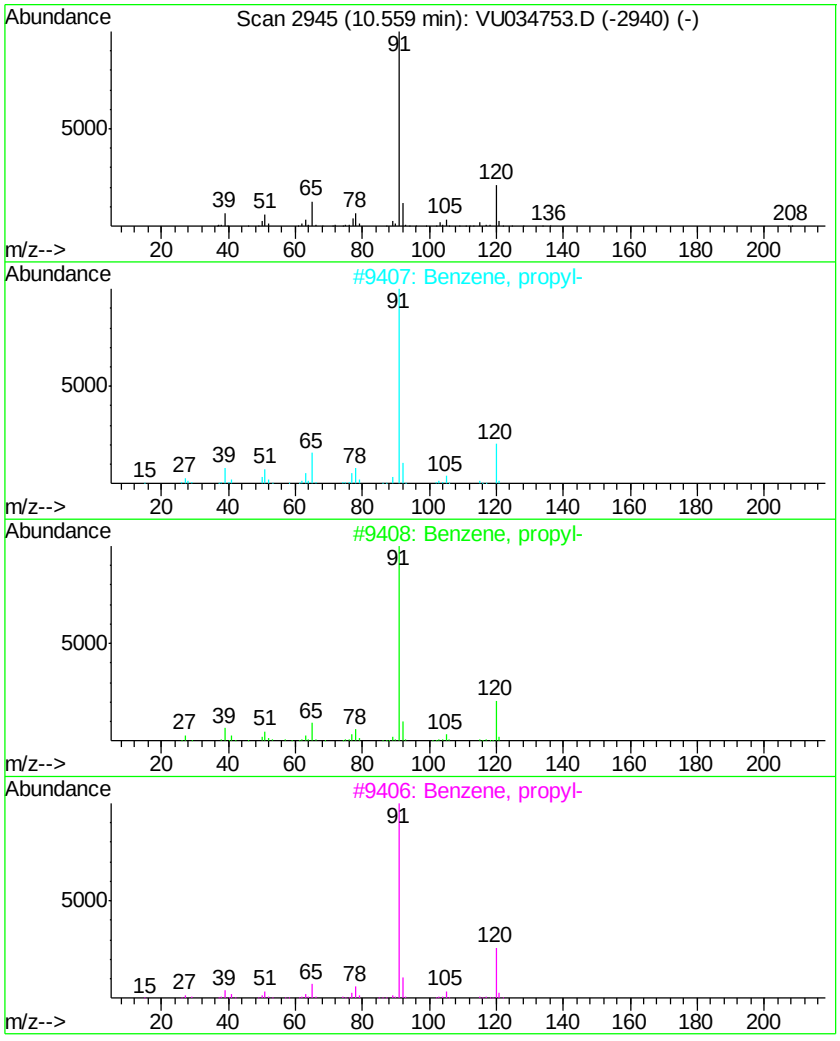
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

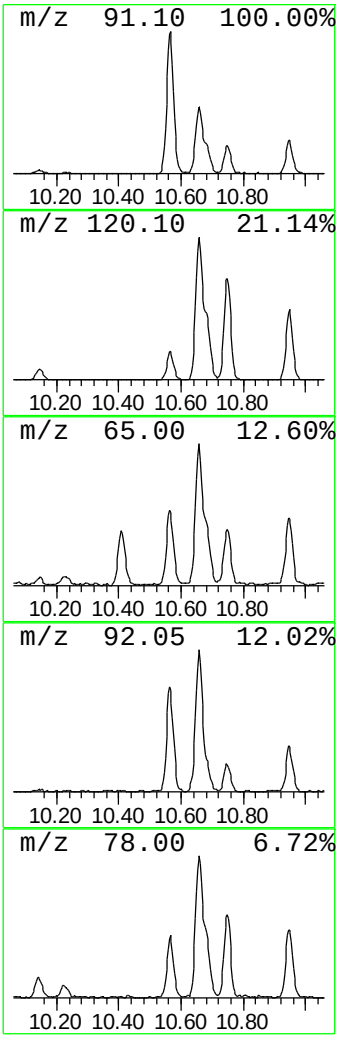
****

Peak Number 29 Benzene, propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	13.92 ug/L	509042	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	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	Benzeneacetaldehyde	120	C8H8O	000122-78-1	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

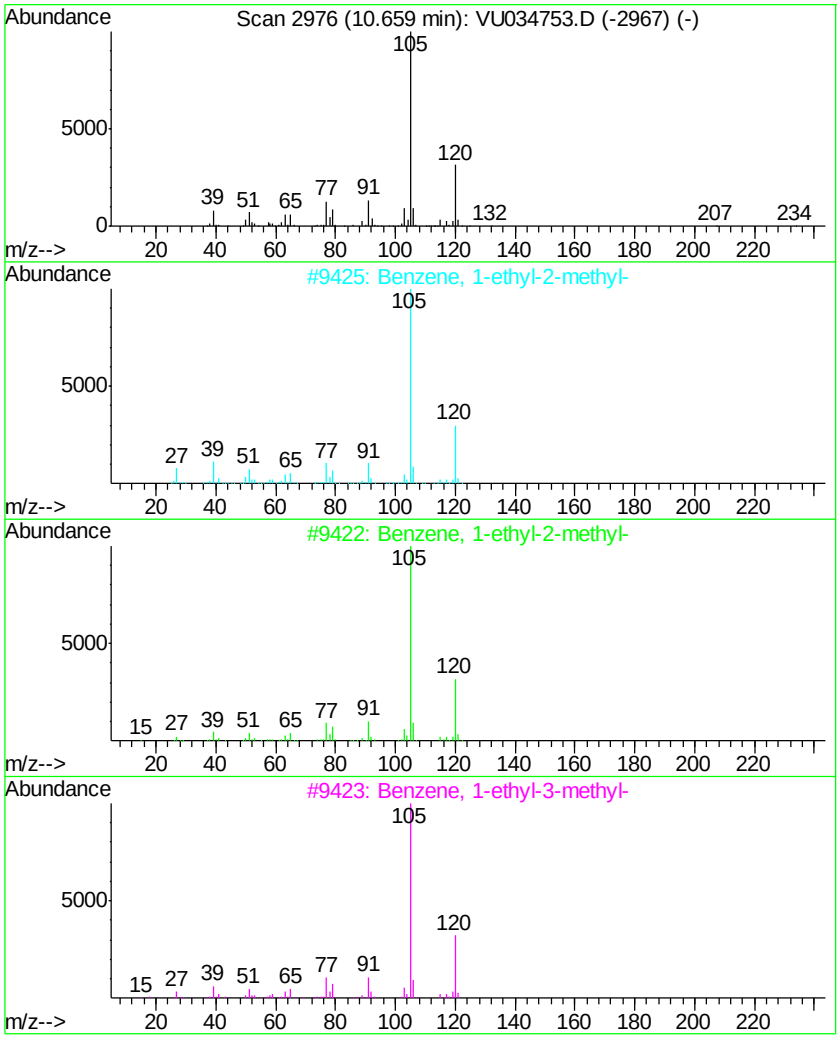
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

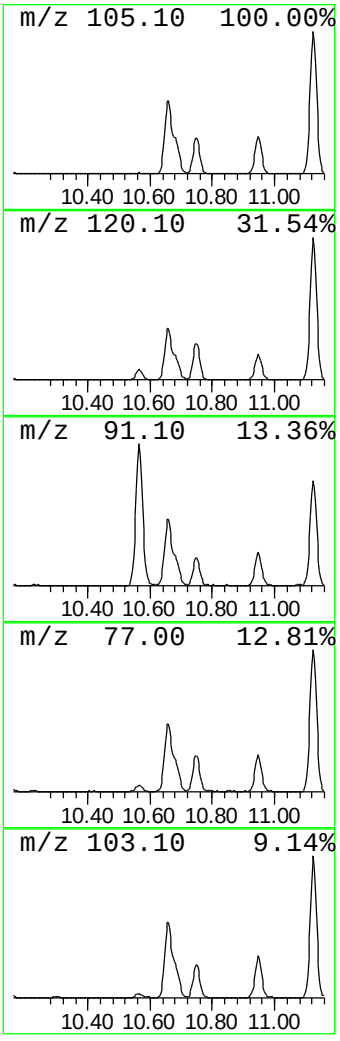
****

Peak Number 30 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	67.53 ug/L	2469750	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	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

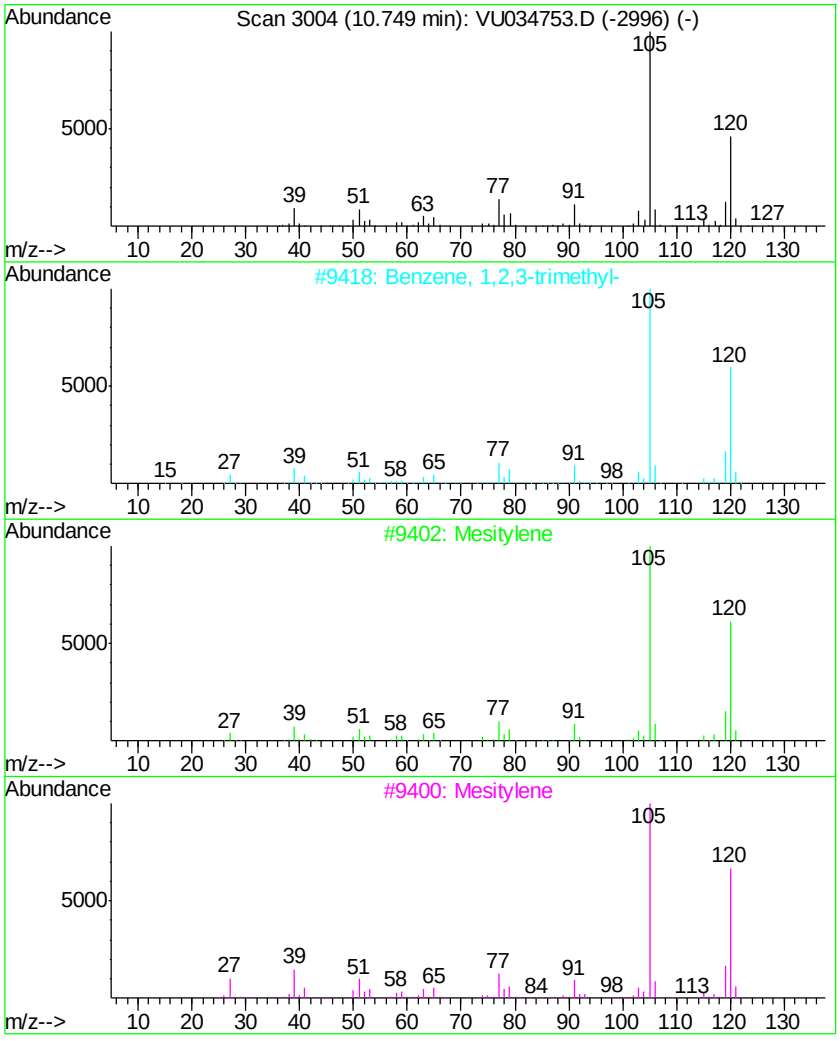
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

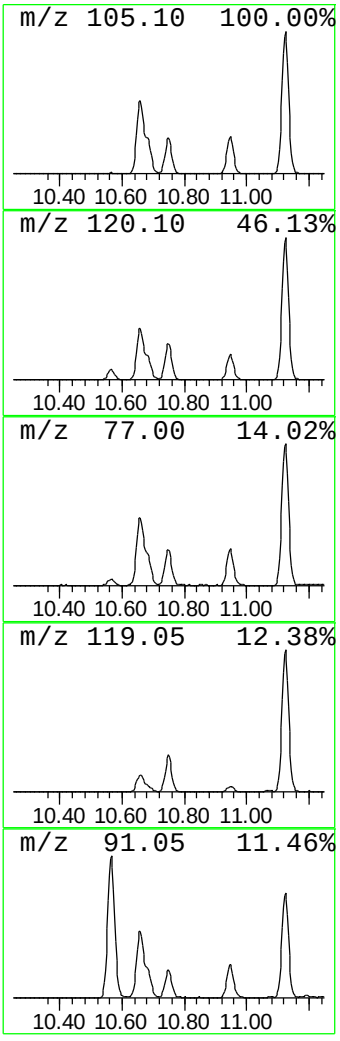
****

Peak Number 31 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	28.48 ug/L	1041720	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

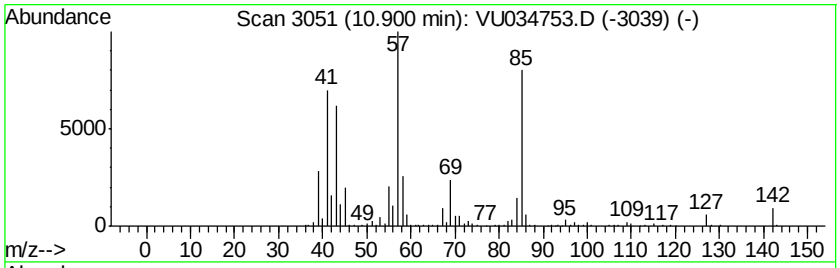
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

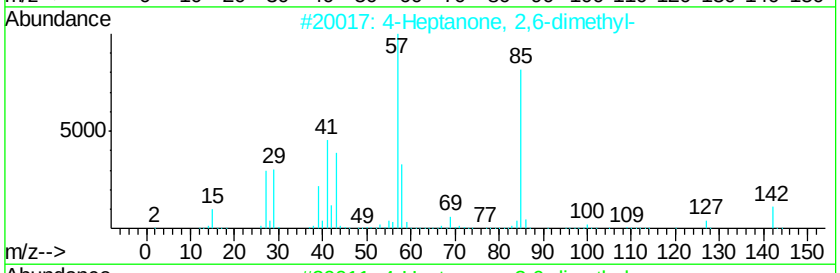
****

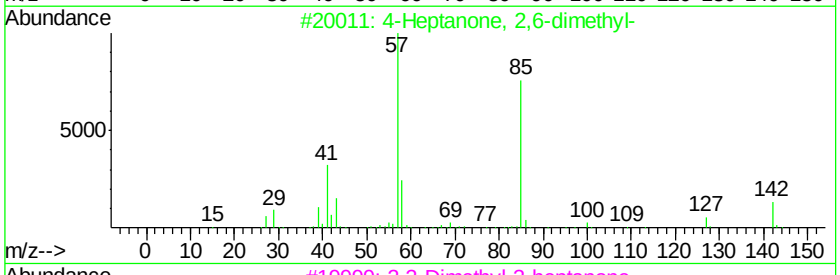
Peak Number 32 4-Heptanone, 2,6-dimethyl- Concentration Rank 28

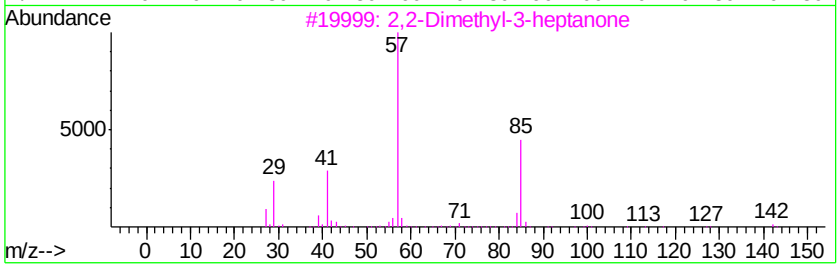
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	9.88 ug/L	361183	1,4-Dichlorobenzene-d4	11.46

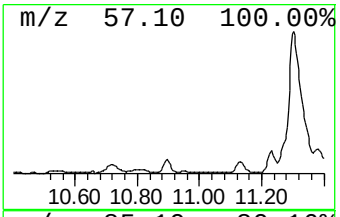
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	72
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
3	2,2-Dimethyl-3-heptanone	142	C9H18O	019078-97-8	59
4	Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	53
5	5-Nonanone	142	C9H18O	000502-56-7	52

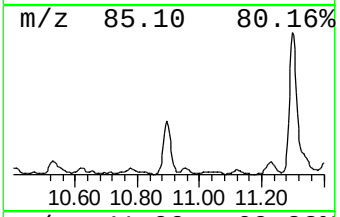


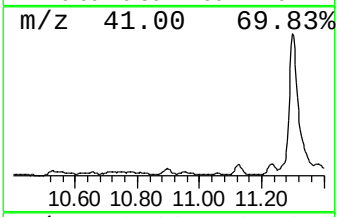


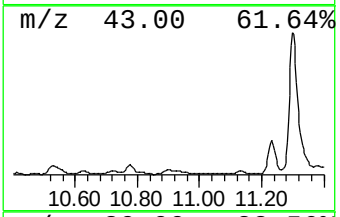


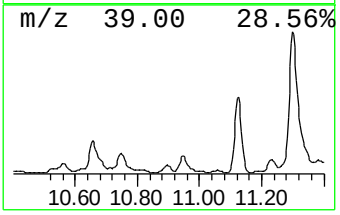












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

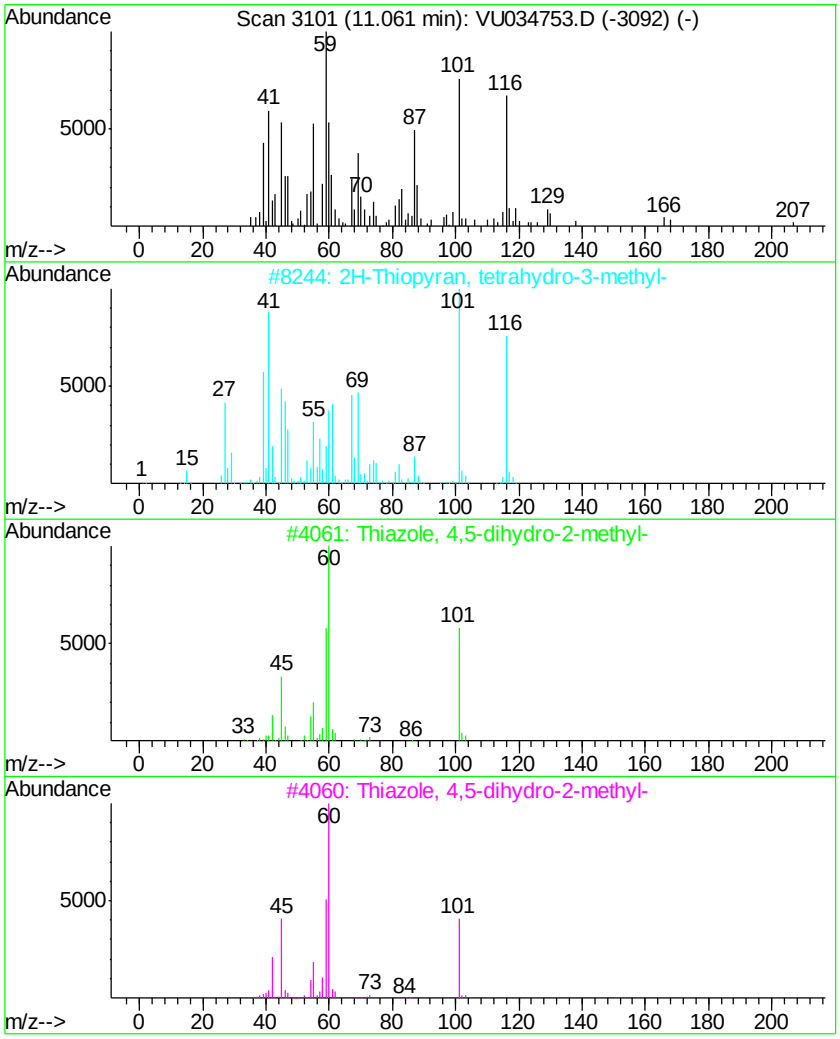
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

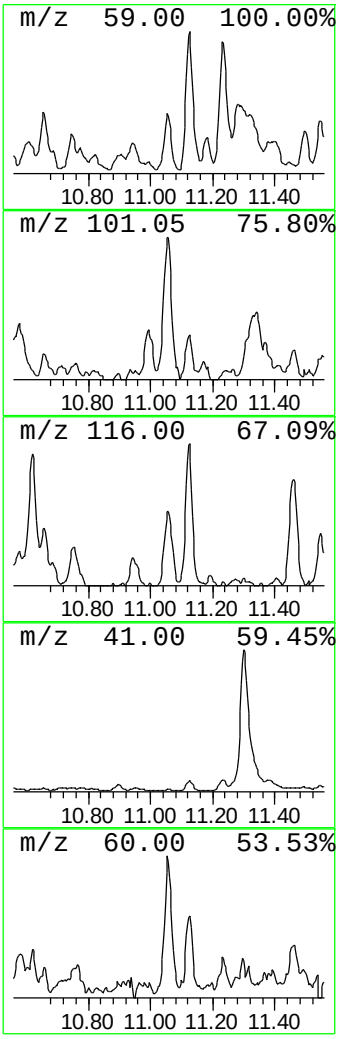
****

Peak Number 34 unknown-07 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.05 ug/L	111703	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	47
2	Thiazole, 4,5-dihydro-2-methyl-	101	C4H7NS	002346-00-1	38
3	Thiazole, 4,5-dihydro-2-methyl-	101	C4H7NS	002346-00-1	35
4	Trimethylsilyloxycyclobutane	144	C7H16OSi	131929-91-4	35
5	Butanoic acid, 4-nitro-	133	C4H7NO4	016488-43-0	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

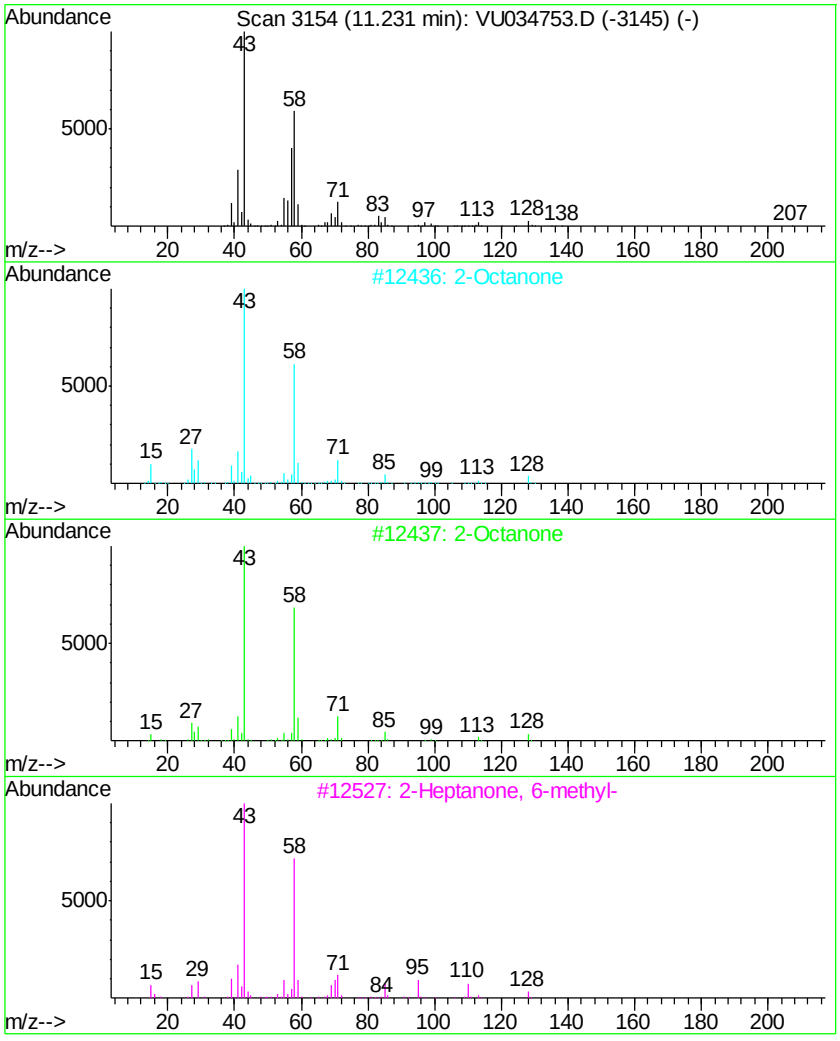
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

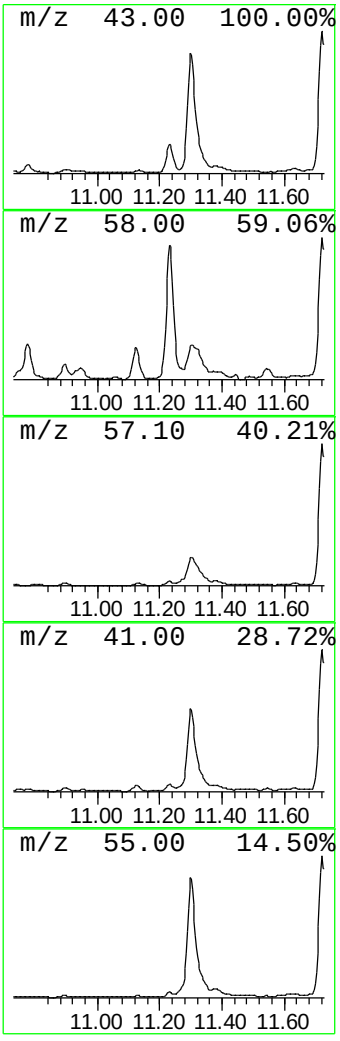
****

Peak Number 36 2-Octanone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	21.37 ug/L	781533	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-Octanone	128	C8H16O	000111-13-7	72
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	64
4	2-Octanone	128	C8H16O	000111-13-7	64
5	2-Hexanone	100	C6H12O	000591-78-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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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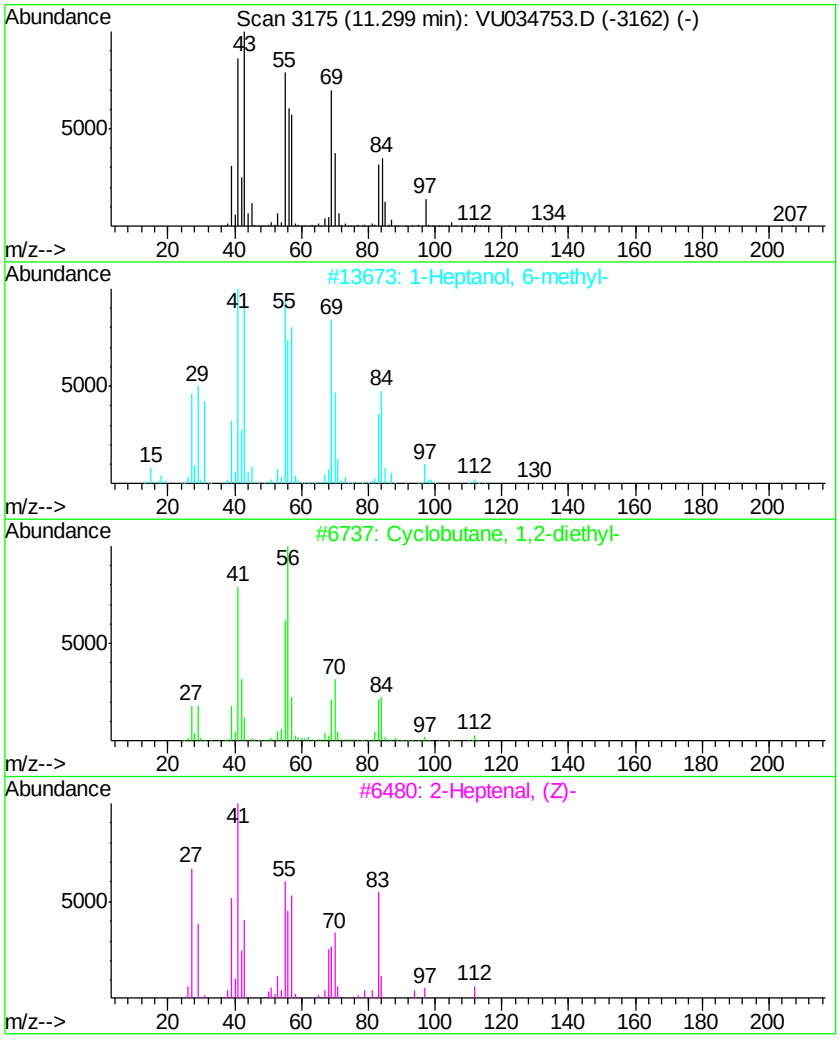
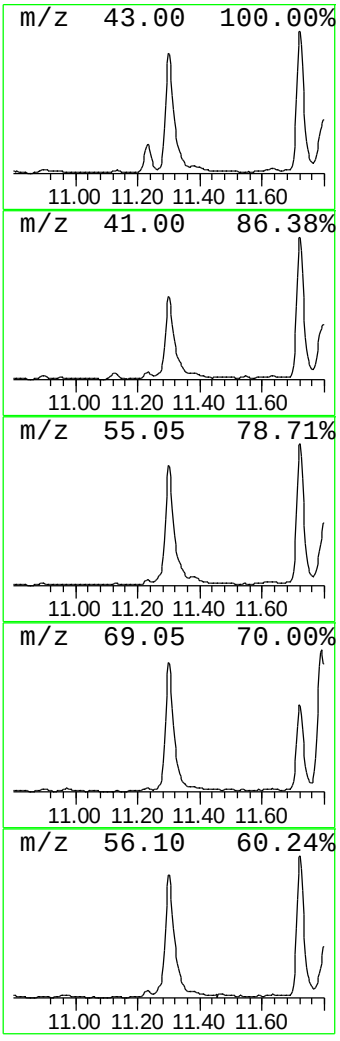
Peak Number 37 1-Heptanol, 6-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	240.25 ug/L	8786670	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptanol, 6-methyl-	130	C8H18O	001653-40-3	90
2	Cyclobutane, 1,2-diethyl-	112	C8H16	061141-83-1	64
3	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	53
4	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	50
5	3-Chlorohexane	120	C6H13Cl	002346-81-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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

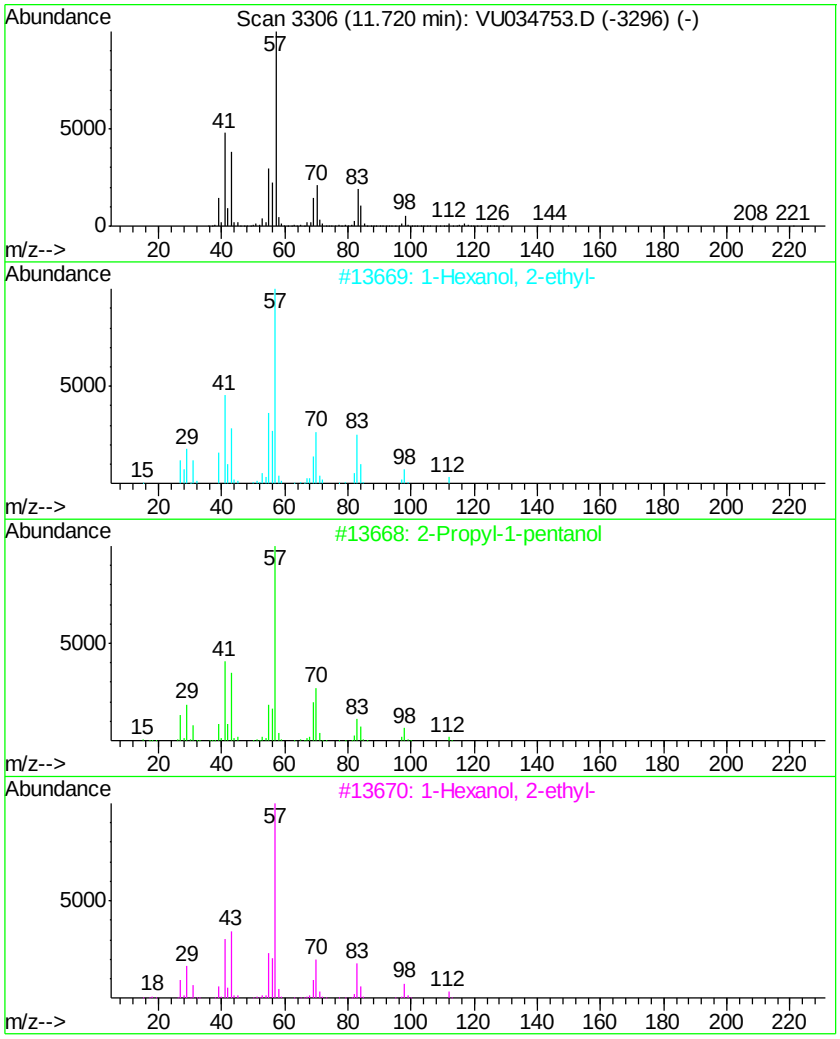
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

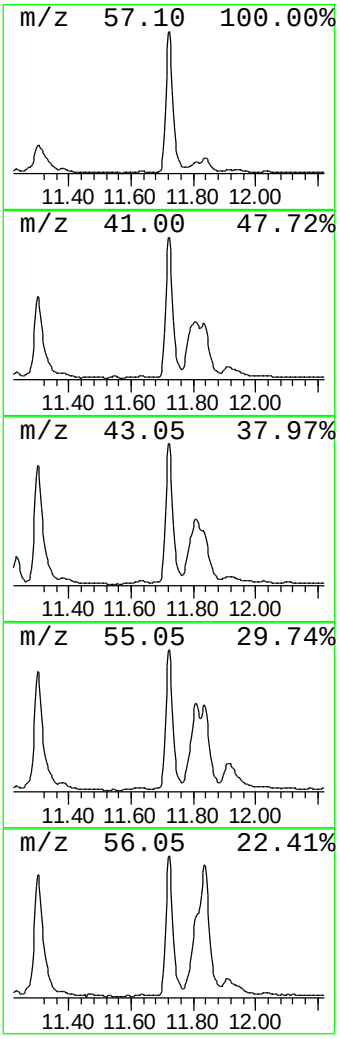
****

Peak Number 39 1-Hexanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	339.04 ug/L	12399600	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	74
2	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	59
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
4	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	56
5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034753.D
Acq On : 23 Sep 2019 23:16
Operator : JC/SP
Sample : K4932-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDJ8

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
(DEL) Alkane: Str...	1.75	3.2	ug/L	85282	1	5.86	1315790	50.0
(DEL) Alkane: Cyc...	1.94	2.8	ug/L	72422	1	5.86	1315790	50.0
(DEL) Alkane: Cyc...	2.17	4.2	ug/L	111533	1	5.86	1315790	50.0
Isopropyl Alcohol	2.43	4.8	ug/L	126848	1	5.86	1315790	50.0
Propanal, 2-methyl-	3.16	5.5	ug/L	145822	1	5.86	1315790	50.0
unknown-01	3.96	5.5	ug/L	143688	1	5.86	1315790	50.0
(DEL) Alkane: Cyc...	4.07	3.9	ug/L	103022	1	5.86	1315790	50.0
Cyclopentene, 4-m...	4.75	3.7	ug/L	98063	1	5.86	1315790	50.0
Isopropyl acetate	5.53	7.6	ug/L	199750	1	5.86	1315790	50.0
unknown-02	5.76	3.9	ug/L	101946	1	5.86	1315790	50.0
n-Propyl acetate	6.68	113.0	ug/L	2973430	1	5.86	1315790	50.0
2-Hexanol	7.88	98.7	ug/L	3344040	2	9.07	1694370	50.0
Propanoic acid, 2...	8.13	12.7	ug/L	428953	2	9.07	1694370	50.0
Propanoic acid, p...	8.40	21.3	ug/L	723232	2	9.07	1694370	50.0
Thiophene, tetrah...	8.44	6.2	ug/L	210853	2	9.07	1694370	50.0
Butanoic acid, 1-...	8.88	20.4	ug/L	690214	2	9.07	1694370	50.0
2-Hexanone, 5-met...	9.44	5.4	ug/L	182744	2	9.07	1694370	50.0
Thiophene, tetrah...	9.47	10.9	ug/L	368501	2	9.07	1694370	50.0
unknown-03	9.52	3.2	ug/L	109444	2	9.07	1694370	50.0
4-Heptanone	9.58	5.2	ug/L	174552	2	9.07	1694370	50.0
2-Heptanone	9.90	7.5	ug/L	253448	2	9.07	1694370	50.0
unknown-04	10.02	5.3	ug/L	178442	2	9.07	1694370	50.0
trans-3,4-Dimethy...	10.06	5.8	ug/L	196676	2	9.07	1694370	50.0
unknown-05	10.23	2.9	ug/L	97909	2	9.07	1694370	50.0
unknown-06	10.30	2.6	ug/L	94944	3	11.46	1828660	50.0
(DEL) Alkane: Str...	10.53	5.5	ug/L	200852	3	11.46	1828660	50.0
Benzene, propyl-	10.56	13.9	ug/L	509042	3	11.46	1828660	50.0
Benzene, 1-ethyl-...	10.66	67.5	ug/L	2469750	3	11.46	1828660	50.0
Benzene, 1,2,3-tr...	10.75	28.5	ug/L	1041720	3	11.46	1828660	50.0
4-Heptanone, 2,6-...	10.90	9.9	ug/L	361183	3	11.46	1828660	50.0
unknown-07	11.06	3.0	ug/L	111703	3	11.46	1828660	50.0
2-Octanone	11.23	21.4	ug/L	781533	3	11.46	1828660	50.0
1-Heptanol, 6-met...	11.30	240.3	ug/L	8786670	3	11.46	1828660	50.0
1-Hexanol, 2-ethyl-	11.72	339.0	ug/L	12399600	3	11.46	1828660	50.0