LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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	104	rBV	338008	372349	1.66%	0.245%
2	1.466	107	117	125	rBV	101708	116550	0.52%	0.077%
3	1.540	135	140	151	rVB2	36687	50968	0.23%	0.033%
4	1.672	173	181	192	rVB	254562	327799	1.46%	0.215%
5	2.171	329	336	347	rVV2	47802	77963	0.35%	0.051%
6	2.257	351	363	371	rVV	487754	781173	3.48%	0.513%
7	2.306	371	378	400	rVB	430709	685125	3.05%	0.450%
8	2.428	407	416	434	rVB	56450	104526	0.47%	0.069%
9	2.685	482	496	515	rVV	350002	661102	2.94%	0.434%
10	2.769	515	522	544	rVB7	27872	81888	0.36%	0.054%
11	3.171	634	647	666	rVB4	30589	69596	0.31%	0.046%
12	3.537	749	761	779	rVB3	32364	85544	0.38%	0.056%
13	4.068	913	926	940	rBV3	50707	133879	0.60%	0.088%
14	4.151	940	952	958	rVV	258633	572148	2.55%	0.376%
15	4.196	961	966	1006	rVB3	361504	976452	4.35%	0.642%
16	4.621	1082	1098	1118	rBV	373296	882574	3.93%	0.580%
17	4.756	1127	1140	1157	rVB	70684	162856	0.73%	0.107%
18	4.971	1190	1207	1221	rBV5	79724	194429	0.87%	0.128%
19	5.315	1291	1314	1321	rBV2	805412	2280476	10.15%	1.498%
20	5.367	1322	1330	1350	rVB	1213378	2557306	11.39%	1.680%
21	5.527	1362	1380	1393	rBV2	98194	250467	1.12%	0.165%
22	5.762	1442	1453	1471	rBV5	23035	56724	0.25%	0.037%
23	5.862	1471	1484	1498	rBV	621817	1243528	5.54%	0.817%
24	6.164	1567	1578	1607	rVB7	98659	299724	1.33%	0.197%
25	6.309	1607	1623	1637	rBV	556147	1123081	5.00%	0.738%
26	6.399	1638	1651	1670	rVB6	157777	388909	1.73%	0.256%
27	6.682	1727	1739	1762	rBV	2120529	3796317	16.90%	2.494%
28	7.048	1839	1853	1863	rBV	59828	116948	0.52%	0.077%
29	7.206	1884	1902	1919	rBV	336590	620882	2.76%	0.408%
30	7.437	1951	1974	1995	rBV	7467942	13524382	60.21%	8.885%
31	7.543	1996	2007	2017	rVV	1150099	2072940	9.23%	1.362%
32	7.614	2017	2029	2061	rVV	13191553	22461781	100.00%	14.757%
33	7.746	2065	2070	2084	rVV5	54914	114992	0.51%	0.076%
34	7.826	2085	2095	2105	rVV2	313911	554837	2.47%	0.365%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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	7.887	2105	2114	2145	rVB	432734	988734	4.40%	0.650%
36	8.135	2180	2191	2203	rBV	349548	564985	2.52%	0.371%
37	8.206	2204	2213	2221	rBV4	118971	206479	0.92%	0.136%
38	8.289	2229	2239	2252	rBV	1008604	1648978	7.34%	1.083%
39	8.395	2263	2272	2281	rBV	640024	971639	4.33%	0.638%
40	8.508	2301	2307	2319	rVB2	36140	59356	0.26%	0.039%
41	8.881	2409	2423	2435	rBV	724066	1137451	5.06%	0.747%
42	9.067	2459	2481	2490	rBV	940317	1652897	7.36%	1.086%
43	9.228	2518	2531	2551	rBV	2915207	4659109	20.74%	3.061%
44	9.350	2556	2569	2586	rVV	10389794	16626284	74.02%	10.923%
45	9.476	2601	2608	2617	rVB2	83280	120782	0.54%	0.079%
46	9.521	2617	2622	2634	rVB3	34082	56132	0.25%	0.037%
47	9.585	2634	2642	2657	rBV	58126	97175	0.43%	0.064%
48	9.755	2683	2695	2726	rVB	6286586	10274586	45.74%	6.750%
49	9.900	2732	2740	2755	rBV	80021	153376	0.68%	0.101%
50	10.061	2784	2790	2802	rVB9	39460	75872	0.34%	0.050%
51	10.145	2805	2816	2827	rVB	238575	379498	1.69%	0.249%
52	10.302	2853	2865	2874	rBV7	33259	65272	0.29%	0.043%
53	10.408	2886	2898	2914	rBV	732292	1208269	5.38%	0.794%
54	10.563	2934	2946	2958	rBV	602192	992592	4.42%	0.652%
55	10.656	2960	2975	2993	rVV	2652551	5594722	24.91%	3.676%
56	10.749	2994	3004	3031	rVB	1689848	2666773	11.87%	1.752%
57	10.894	3039	3049	3056	rBV	357313	540470	2.41%	0.355%
58	10.948	3056	3066	3089	rVB	1314121	2127427	9.47%	1.398%
59	11.058	3091	3100	3108	rBV	27984	57051	0.25%	0.037%
60	11.125	3109	3121	3136	rBV	6086357	9122091	40.61%	5.993%
61	11.231	3145	3154	3170	rVB	462783	750715	3.34%	0.493%
62	11.402	3200	3207	3215	rVB	144205	205318	0.91%	0.135%
63	11.460	3215	3225	3240	rVB	1039226	1723481	7.67%	1.132%
64	11.546	3241	3252	3266	rBV	2339291	3549711	15.80%	2.332%
65	11.743	3300	3313	3322	rBV	1471280	2541168	11.31%	1.669%
66	11.784	3322	3326	3333	rVV	359406	481161	2.14%	0.316%
67	11.842	3333	3344	3366	rVB4	1607398	3601060	16.03%	2.366%
68	11.955	3370	3379	3393	rBV	281449	472234	2.10%	0.310%
69	12.032	3394	3403	3419	rVB	178122	281040	1.25%	0.185%
70	12.122	3421	3431	3436	rBV	383677	600639	2.67%	0.395%
71	12.151	3436	3440	3453	rVB	354896	504913	2.25%	0.332%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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	12.228	3454	3464	3471	rBV	573888	858079	3.82%	0.564%
73	12.331	3486	3496	3519	rBV2	482898	899869	4.01%	0.591%
74	12.472	3527	3540	3546	rBV8	28761	63597	0.28%	0.042%
75	12.527	3548	3557	3570	rVV2	203692	339721	1.51%	0.223%
76	12.595	3570	3578	3580	rVV3	62945	77976	0.35%	0.051%
77	12.627	3580	3588	3596	rVV	394508	609291	2.71%	0.400%
78	12.678	3596	3604	3617	rVB	623249	952332	4.24%	0.626%
79	12.765	3624	3631	3636	rBV3	41940	59499	0.26%	0.039%
80	12.942	3677	3686	3702	rVB	496559	758519	3.38%	0.498%
81	13.099	3716	3735	3747	rBV3	1115721	1923963	8.57%	1.264%
82	13.164	3748	3755	3765	rVB4	139020	225182	1.00%	0.148%
83	13.267	3778	3787	3807	rVB3	304385	524768	2.34%	0.345%
84	13.379	3811	3822	3830	rBV5	104476	199939	0.89%	0.131%
85	13.434	3831	3839	3847	rBV2	106696	155907	0.69%	0.102%
86	13.488	3847	3856	3864	rBV4	139353	235312	1.05%	0.155%
87	13.588	3881	3887	3910	rVB2	134225	292203	1.30%	0.192%
88	13.720	3913	3928	3954	rVV	3526200	5660544	25.20%	3.719%
89	13.839	3956	3965	3979	rVB	211542	359131	1.60%	0.236%
90	13.932	3986	3994	4005	rBV5	42091	82222	0.37%	0.054%
91	13.990	4006	4012	4021	rVB3	44451	66826	0.30%	0.044%
92	14.132	4047	4056	4070	rVB2	91947	161525	0.72%	0.106%
93	14.312	4103	4112	4125	rBV5	81828	188341	0.84%	0.124%
94	14.456	4149	4157	4166	rVV5	32689	58450	0.26%	0.038%
95	14.514	4167	4175	4187	rVB3	95427	165108	0.74%	0.108%
96	14.656	4213	4219	4231	rVB6	32781	59625	0.27%	0.039%
97	14.800	4255	4264	4270	rBV	43406	64559	0.29%	0.042%
98	14.855	4270	4281	4308	rVV	944606	1583385	7.05%	1.040%
99	15.038	4327	4338	4357	rBV	584743	966724	4.30%	0.635%
100	16.041	4642	4650	4657	rBV3	37916	60732	0.27%	0.040%

Sum of corrected areas: 152212984

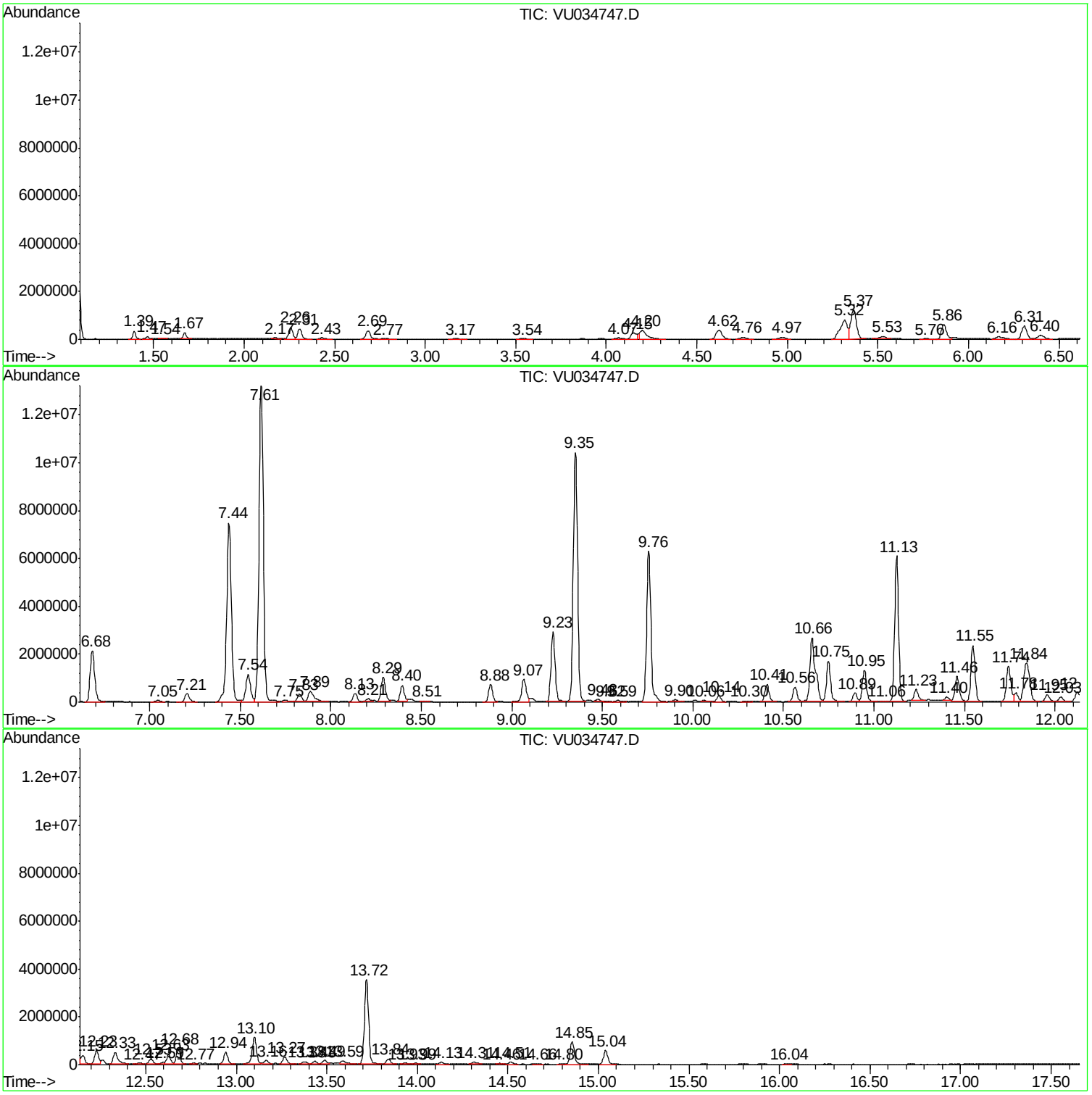
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDG5

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 : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

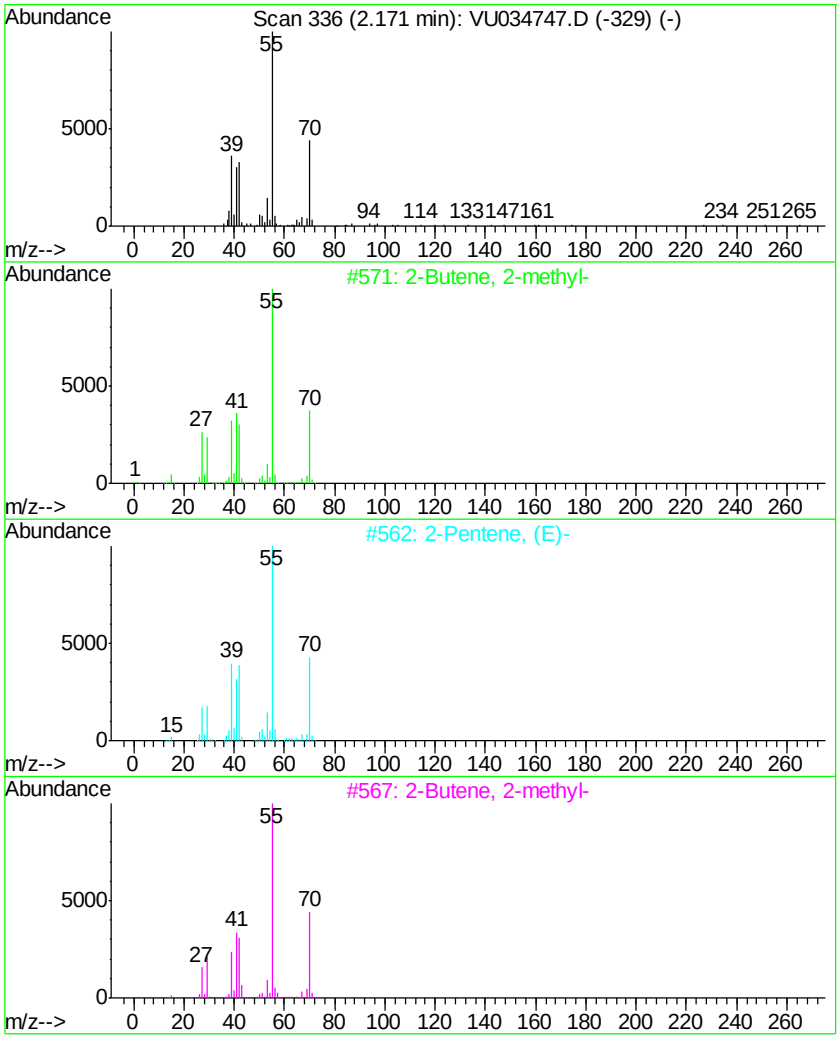
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

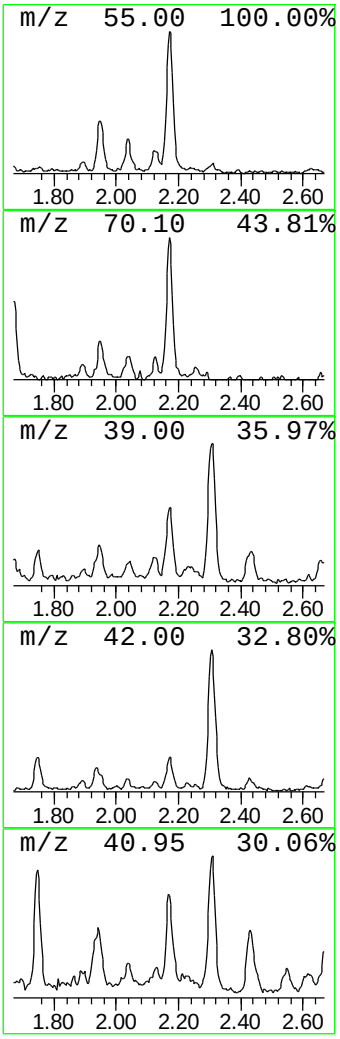
****

Peak Number 2 (DEL) Alkane: Cyclic2.17 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.17	3.13 ug/L	77963	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
2	2-Pentene, (E)-	70	C5H10	000646-04-8	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

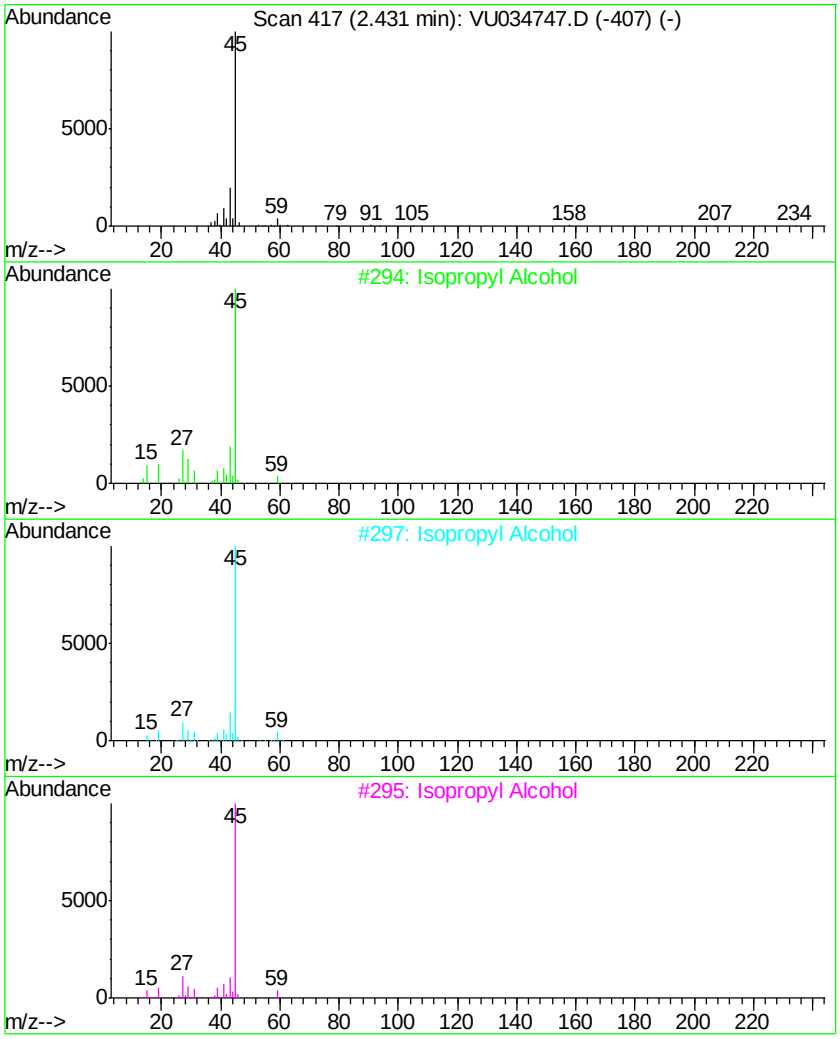
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

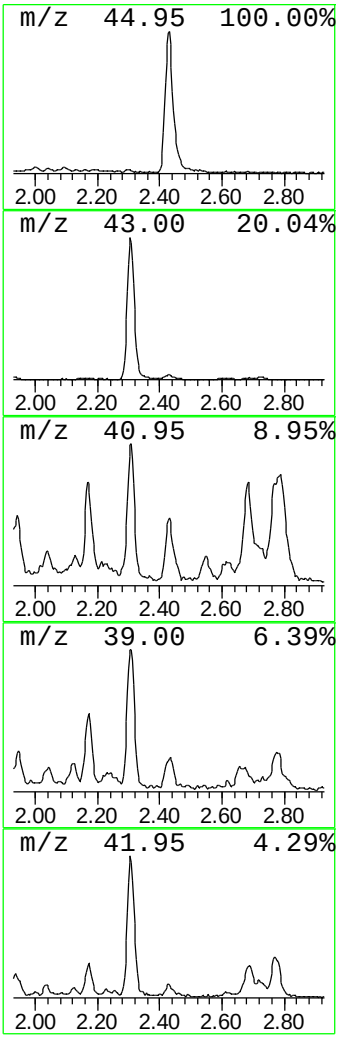
****

Peak Number 3 Isopropyl Alcohol Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	4.20 ug/L	104526	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	78
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	72
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	56
4	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

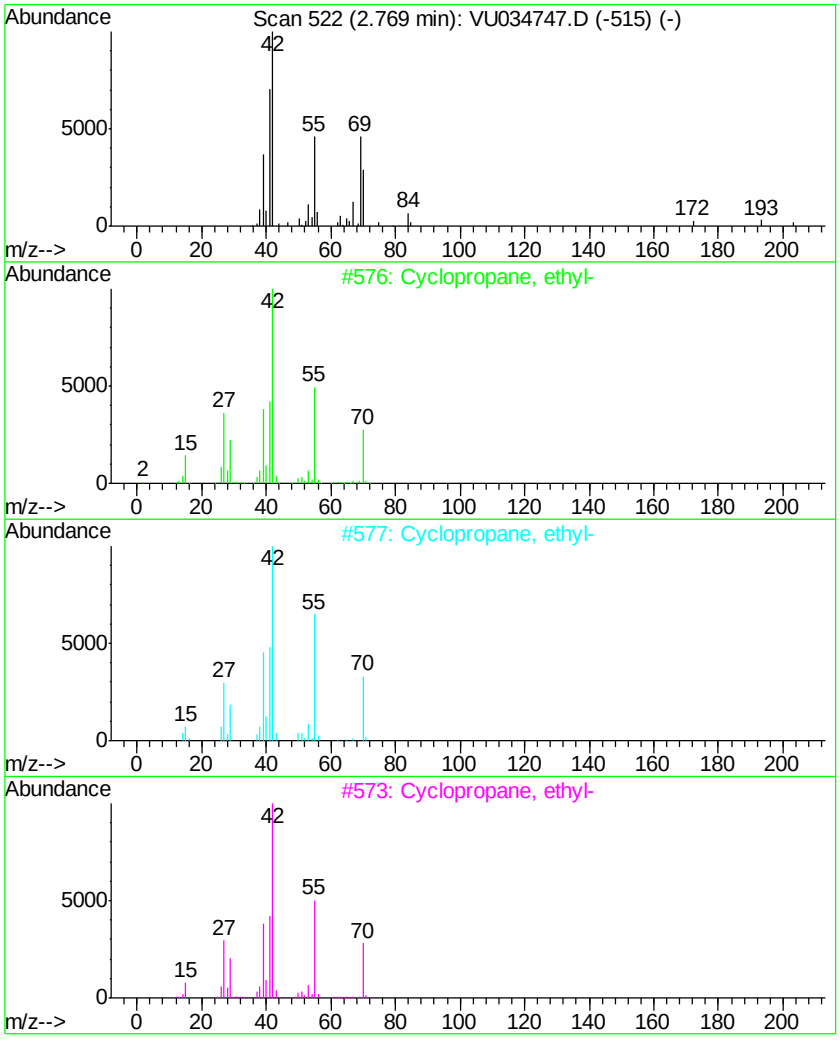
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

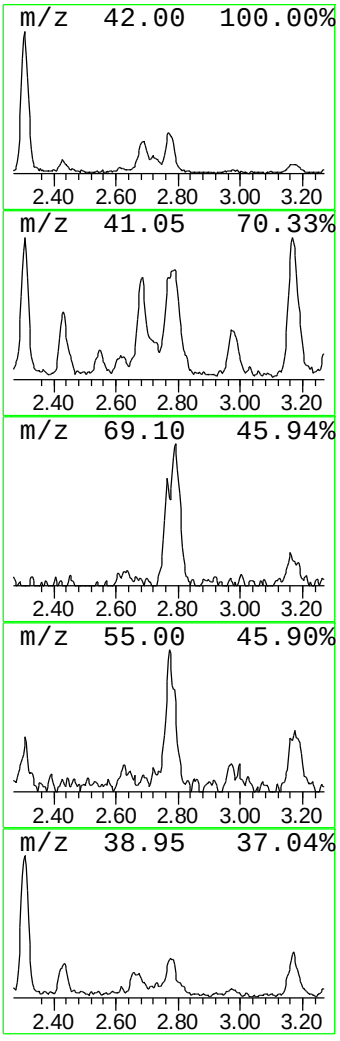
****

Peak Number 4 (DEL) Alkane: Cyclic2.77 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.77	3.29 ug/L	81888	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	53
4	Dimethylketene	70	C4H6O	000598-26-5	14
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

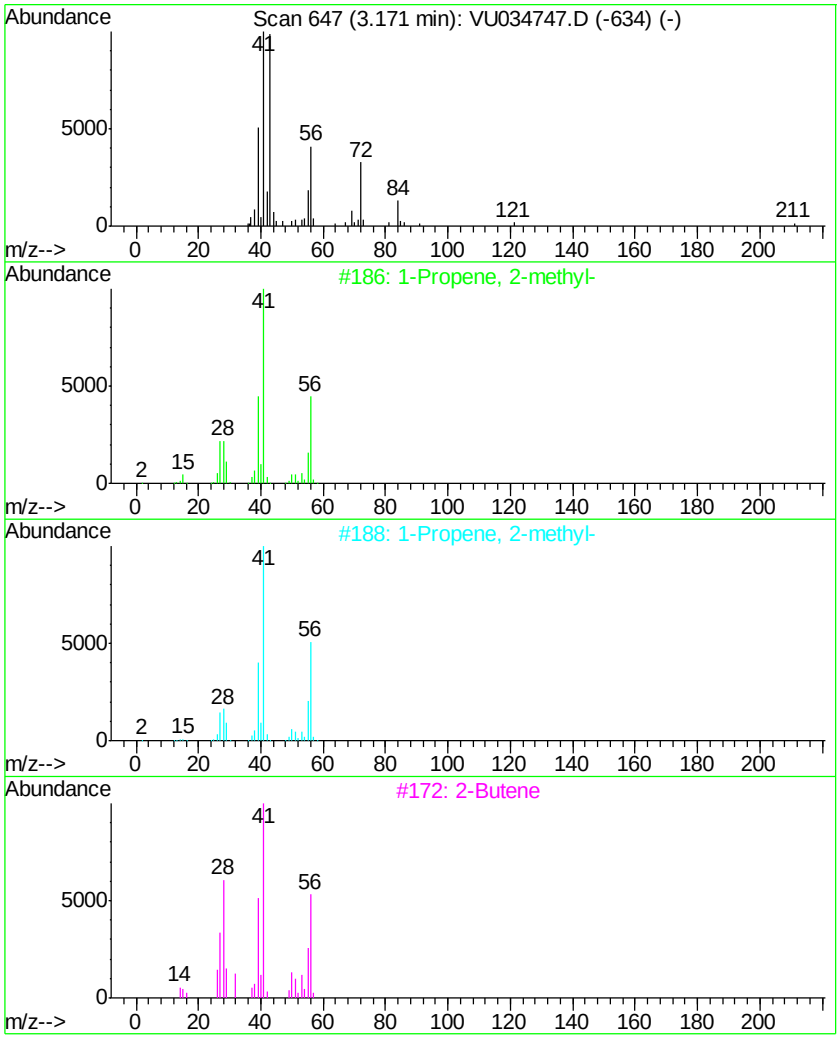
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

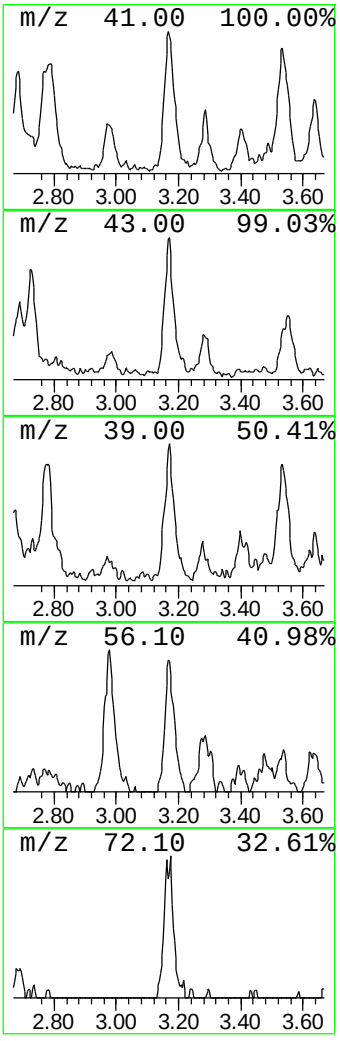
****

Peak Number 5 (DEL) Alkane: Cyclic3.17 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	2.80 ug/L	69596	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	52
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	50
3	2-Butene	56	C4H8	000107-01-7	49
4	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	47
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

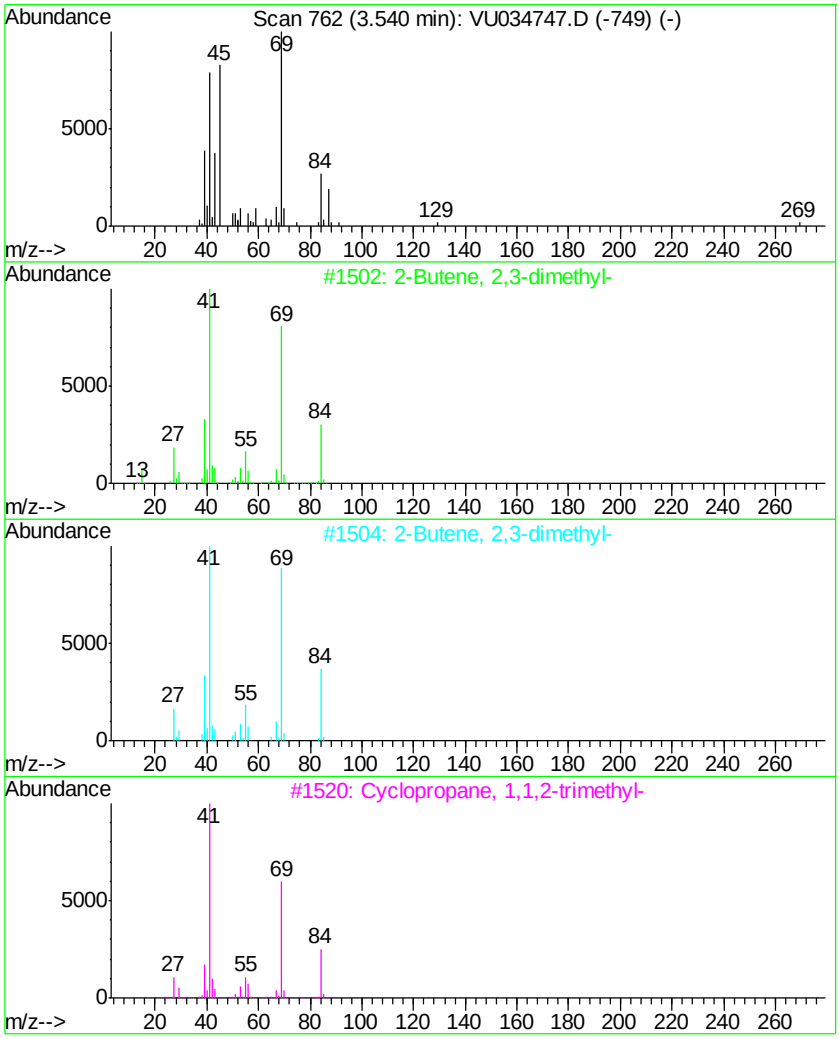
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

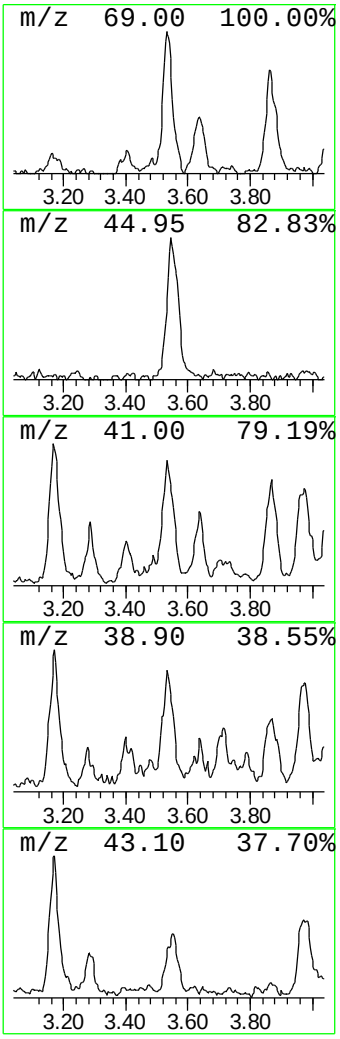
****

Peak Number 6 (DEL) Alkane: Cyclic3.54 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	3.44 ug/L	85544	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	55
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	55
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	49
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	49
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	49





Library Search Compound Report

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Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

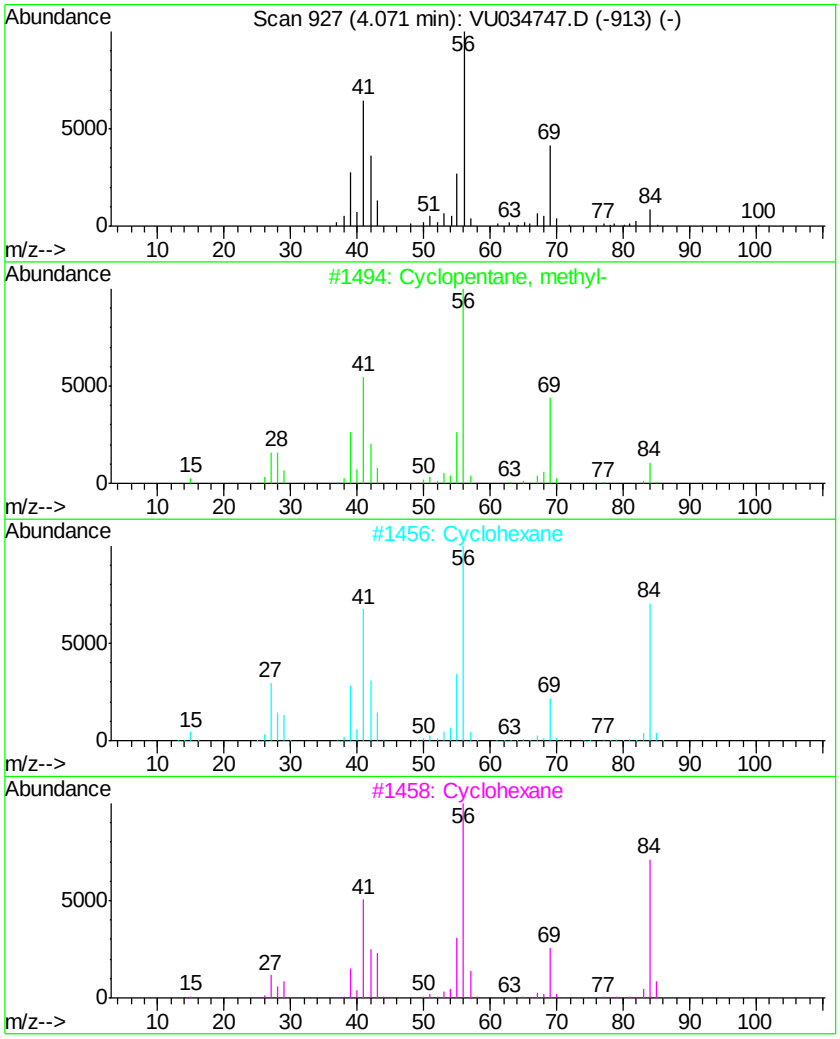
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

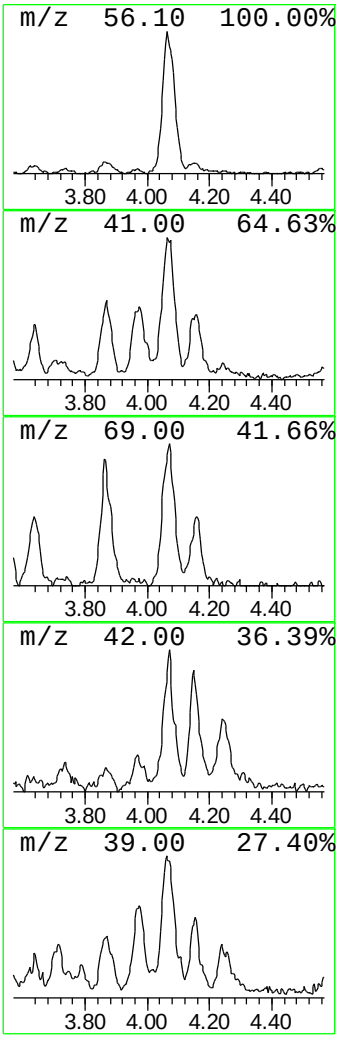
****

Peak Number 7 (DEL) Alkane: Cyclic4.07 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	5.38 ug/L	133879	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	83
3	Cyclohexane	84	C6H12	000110-82-7	83
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
5	Cyclohexane	84	C6H12	000110-82-7	78





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Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

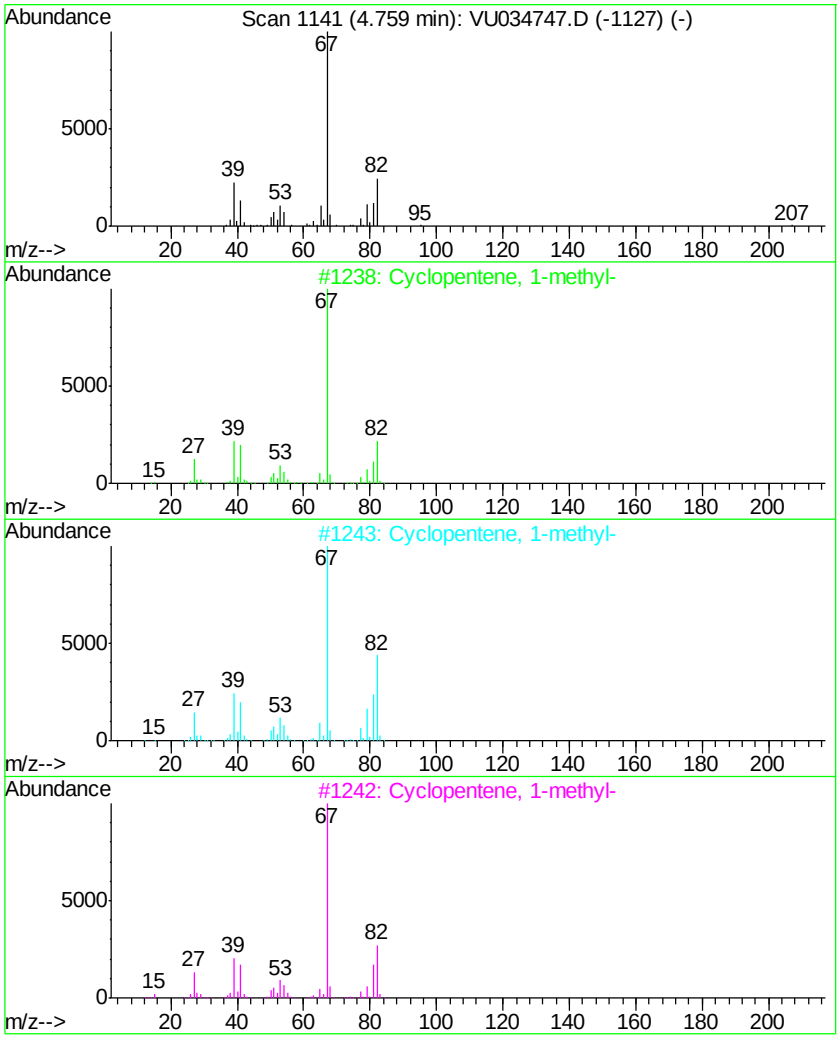
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

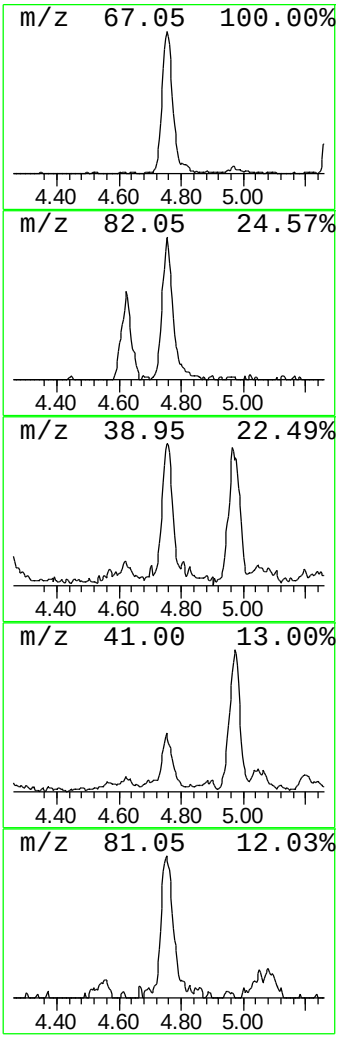
****

Peak Number 8 Cyclopentene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	6.55 ug/L	162856	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
4	1,4-Hexadiene	82	C6H10	000592-45-0	87
5	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	87





Library Search Compound Report

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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

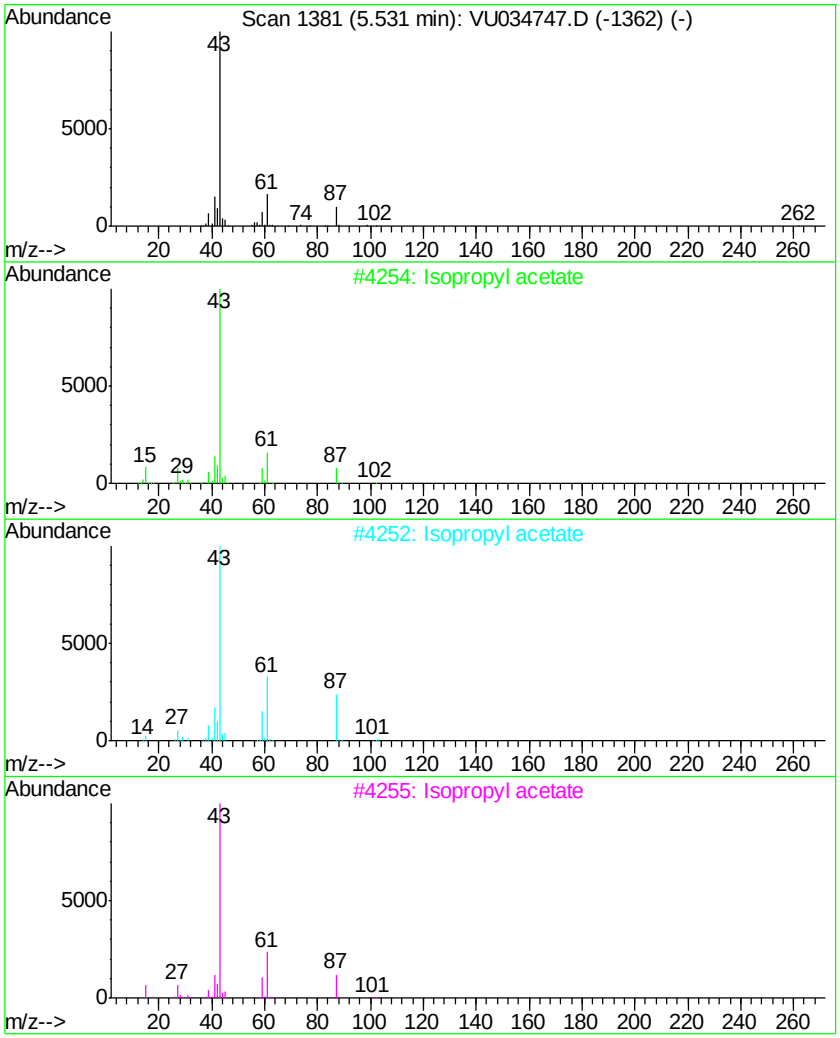
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

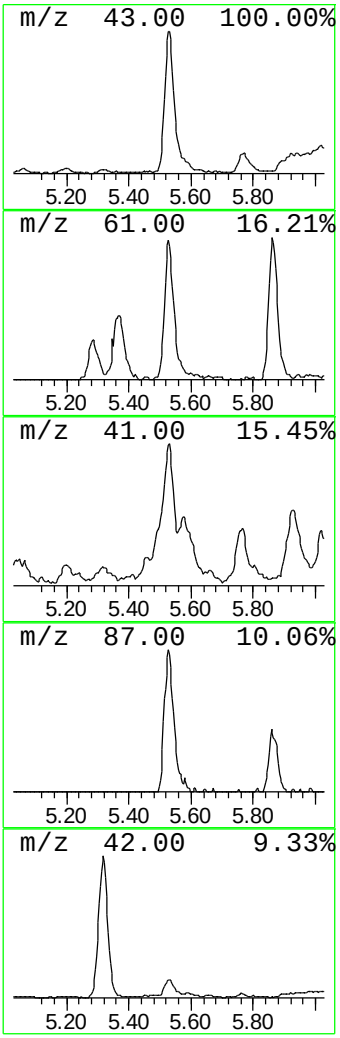
****

Peak Number 9 Isopropyl acetate Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	10.07 ug/L	250467	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	78
2	Isopropyl acetate	102	C5H10O2	000108-21-4	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	56
5	1,1-Ethanediol, diacetate	146	C6H10O4	000542-10-9	42





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

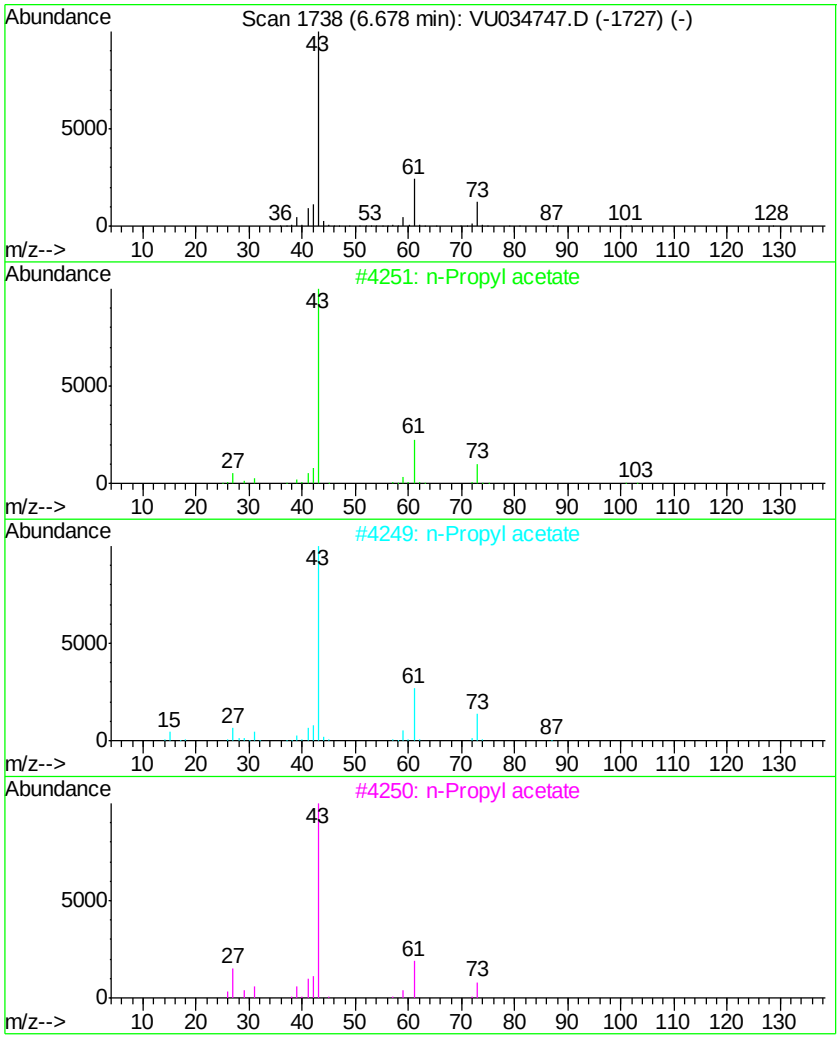
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

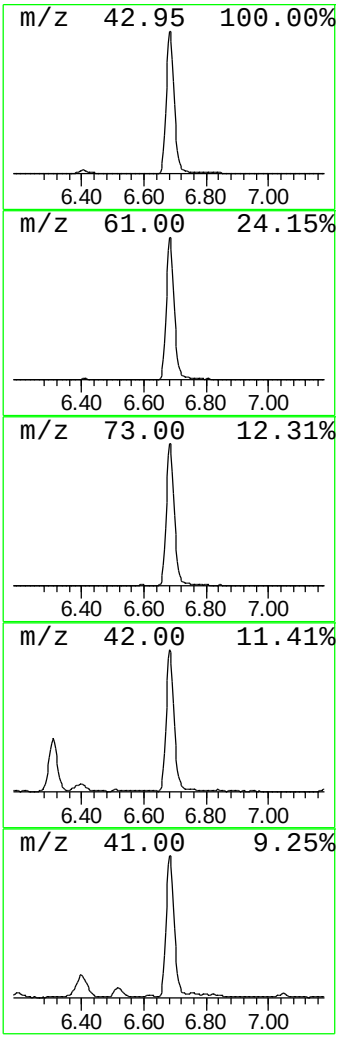
****

Peak Number 10 n-Propyl acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	152.64 ug/L	3796320	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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Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

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

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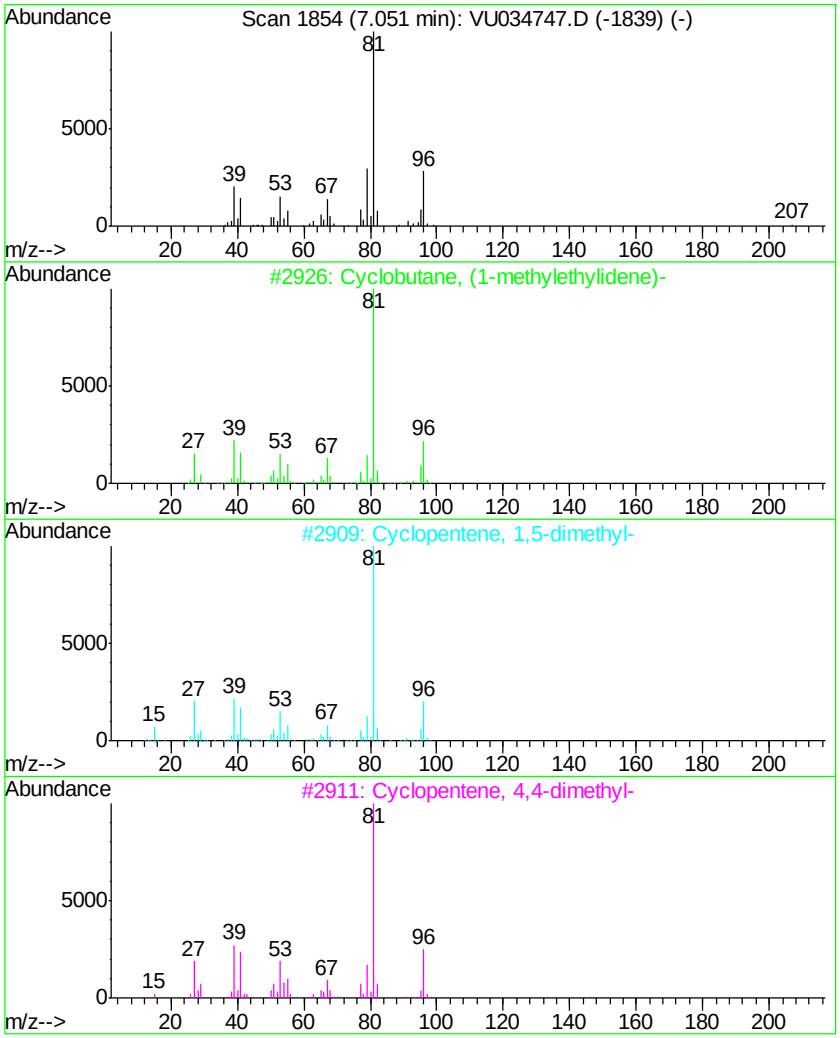
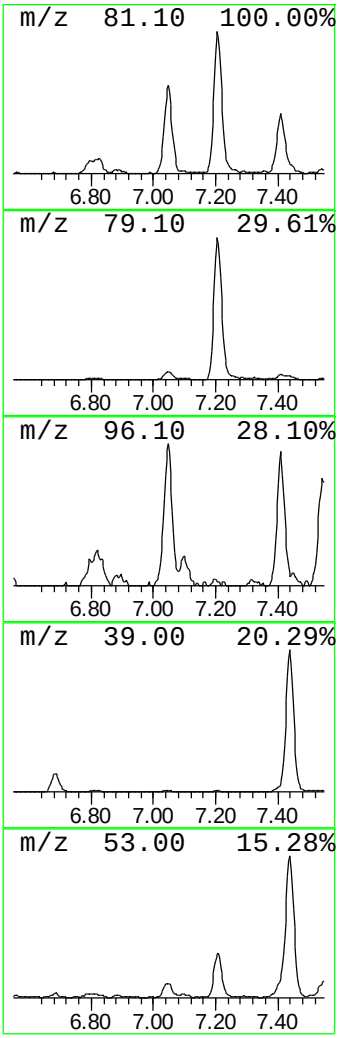
Peak Number 11 Cyclobutane, (1-methylethyl... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	4.70 ug/L	116948	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	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	80
5	Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	80





Library Search Compound Report

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Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

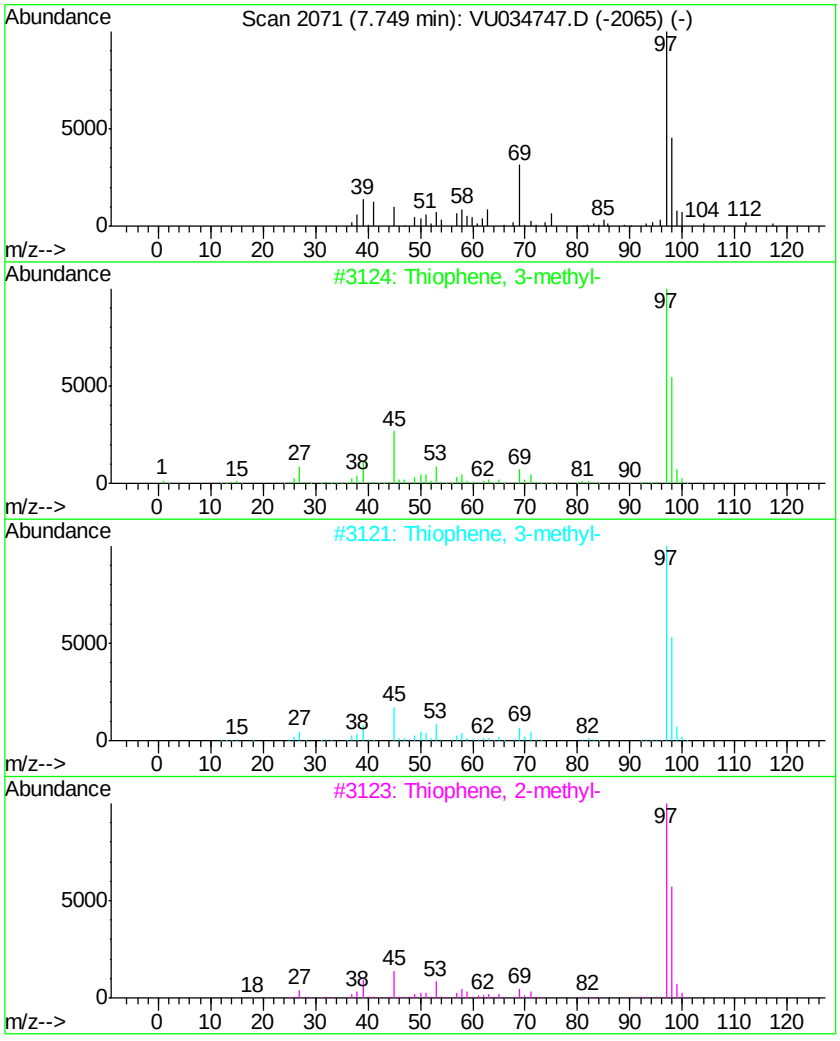
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

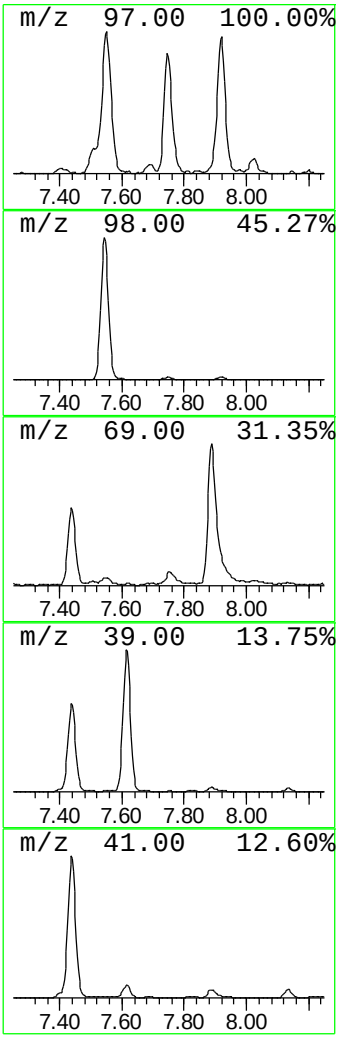
****

Peak Number 13 Thiophene, 3-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	3.48 ug/L	114992	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	78
3	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	72
4	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	59
5	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	56





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Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

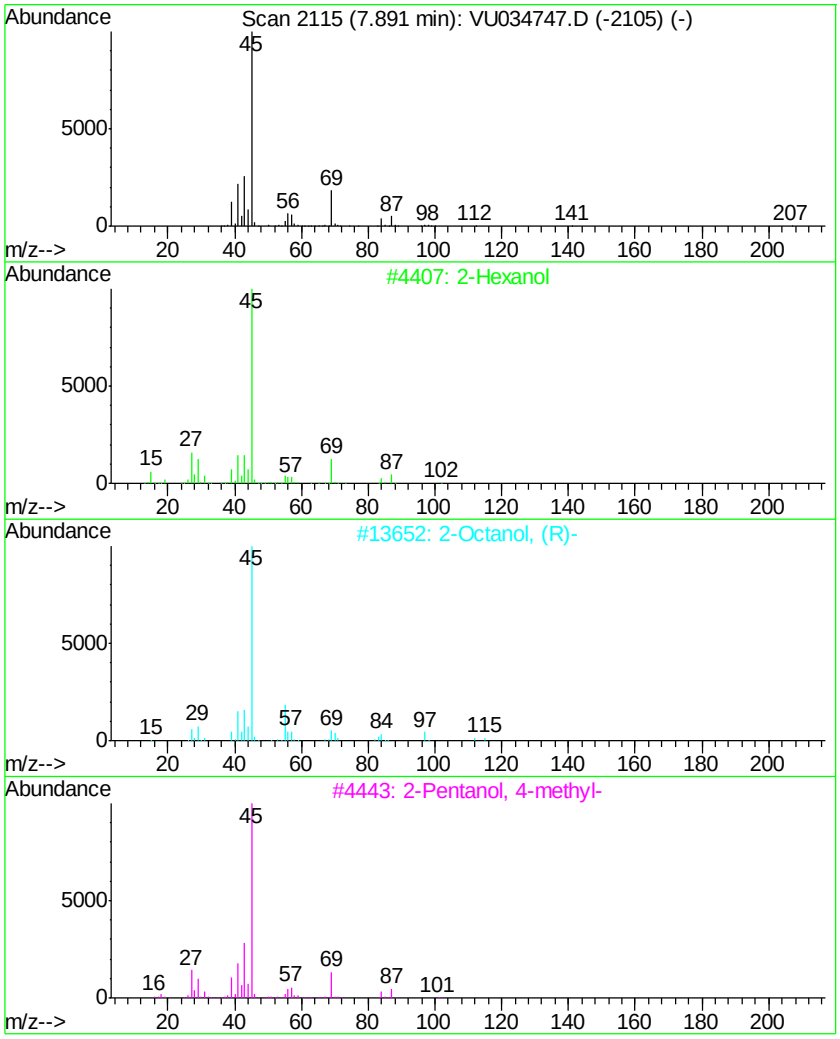
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

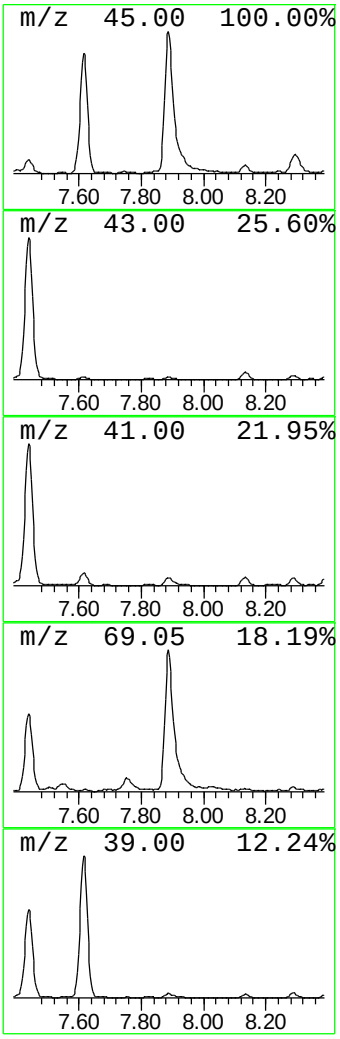
****

Peak Number 14 2-Hexanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	29.91 ug/L	988734	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Octanol, (R)-	130	C8H18O	005978-70-1	78
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
4	2-Hexanol	102	C6H14O	000626-93-7	64
5	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

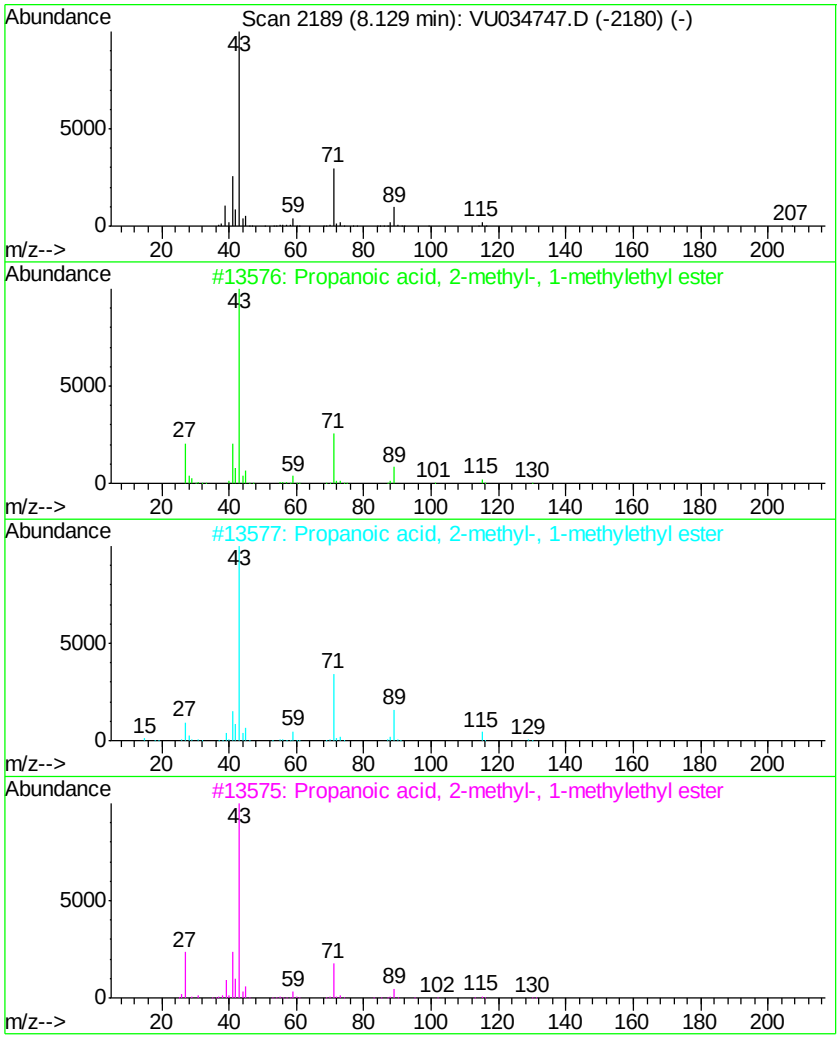
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

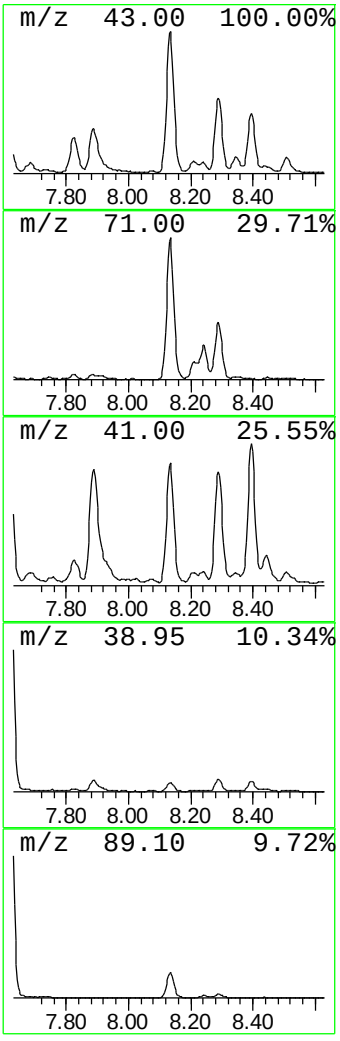
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Propanoic acid, 2-methyl-, ... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.09 ug/L	564985	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	59
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	33
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	28





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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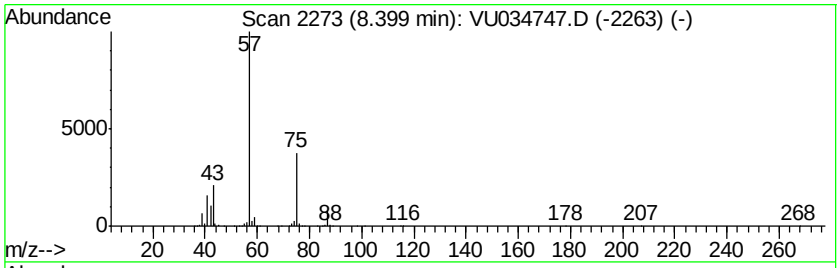
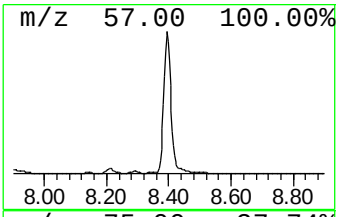
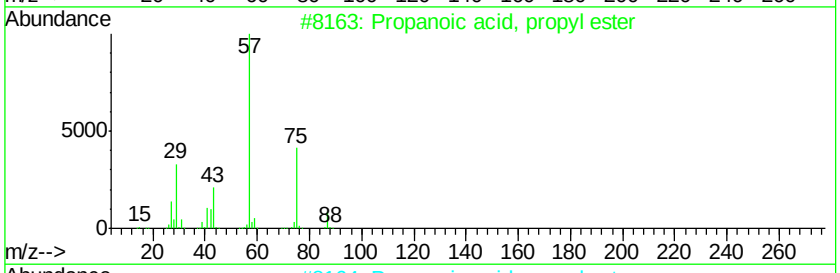
Peak Number 16 Propanoic acid, propyl ester Concentration Rank 13

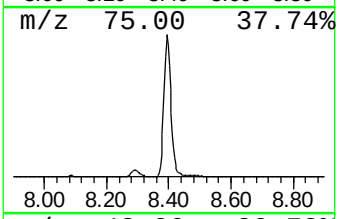
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	29.39 ug/L	971639	Chlorobenzene-d5	9.07

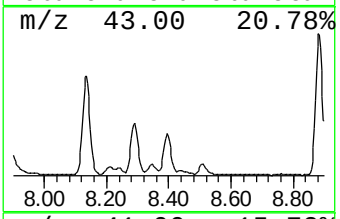
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	50
5	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	10

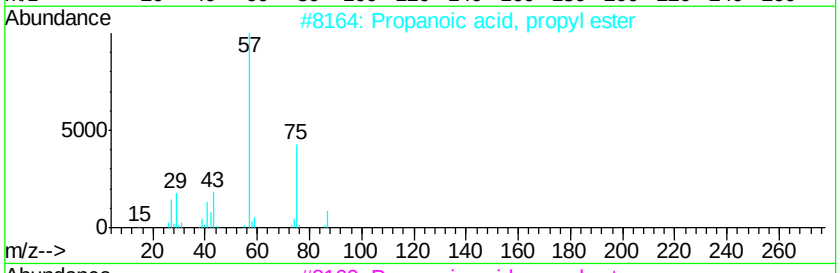


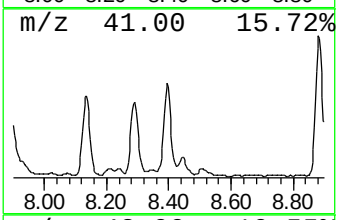


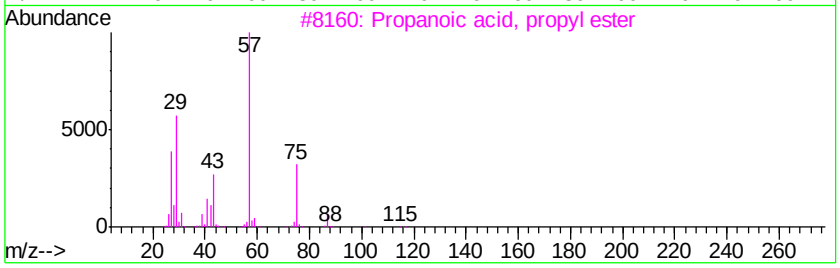


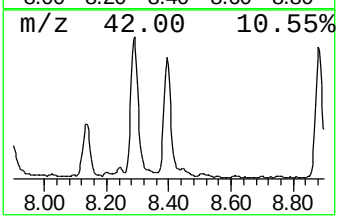












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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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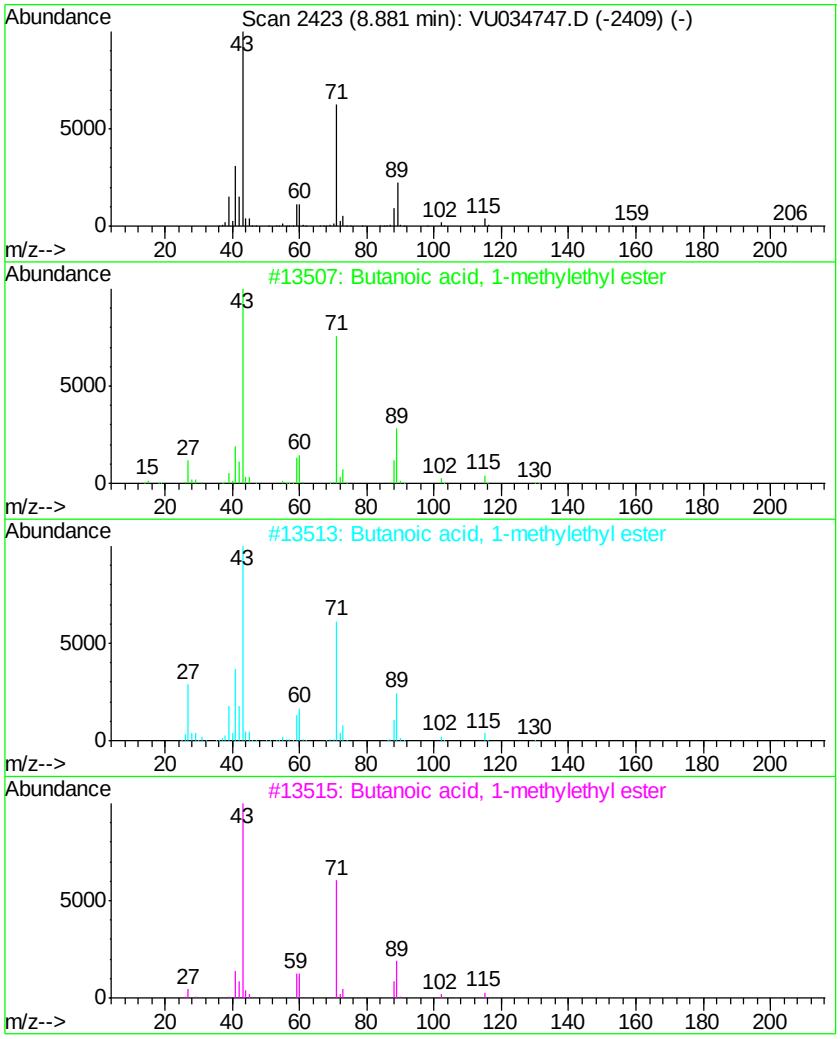
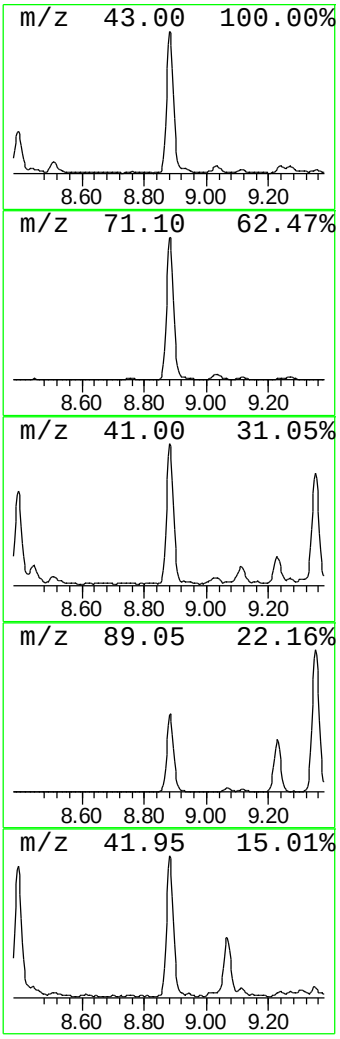
Peak Number 17 Butanoic acid, 1-methylethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.41 ug/L	1137450	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	72
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59





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Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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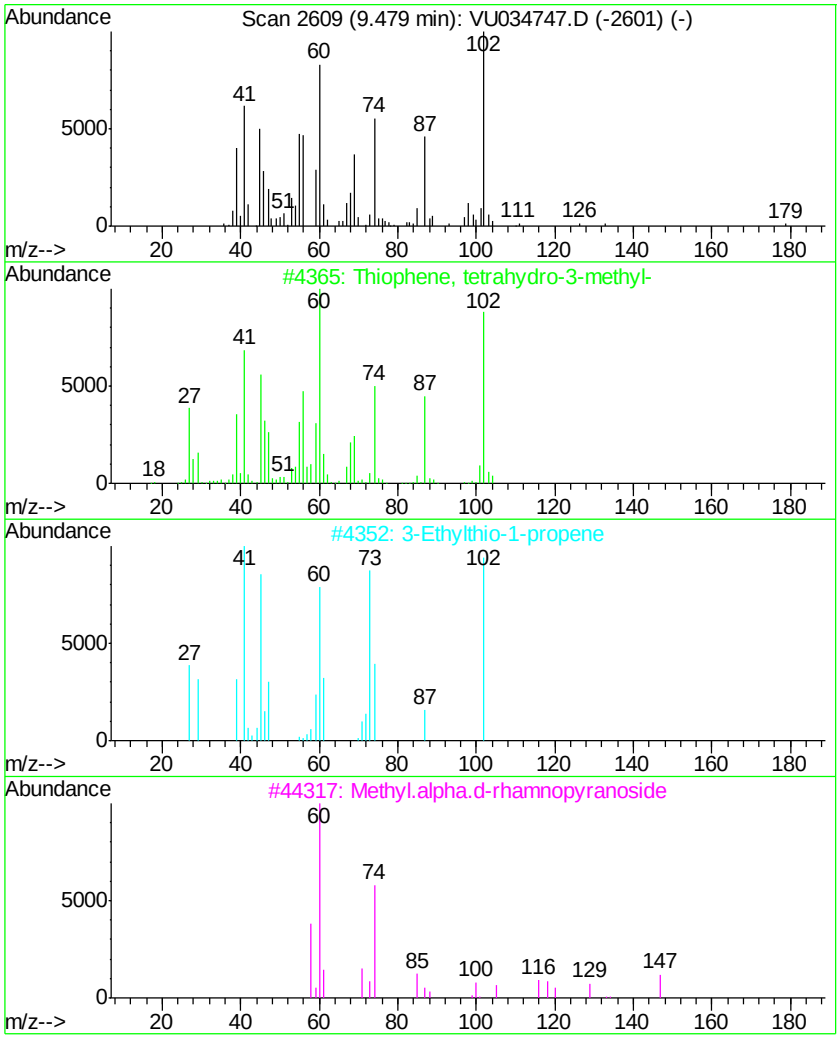
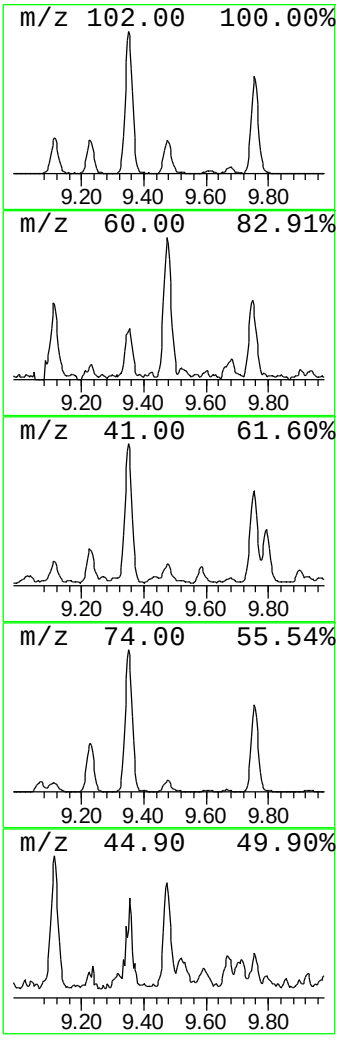
Peak Number 18 Thiophene, tetrahydro-3-met... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	3.65 ug/L	120782	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	98
2	3-Ethylthio-1-propene	102	C5H10S	005296-62-8	37
3	Methyl.alpha.d-rhamnopyranoside	178	C7H14O5	001128-40-1	35
4	2-Methyl-3-(methylthio)-1-propene	102	C5H10S	052326-10-0	35
5	3-Ethylthio-1-propene	102	C5H10S	005296-62-8	32





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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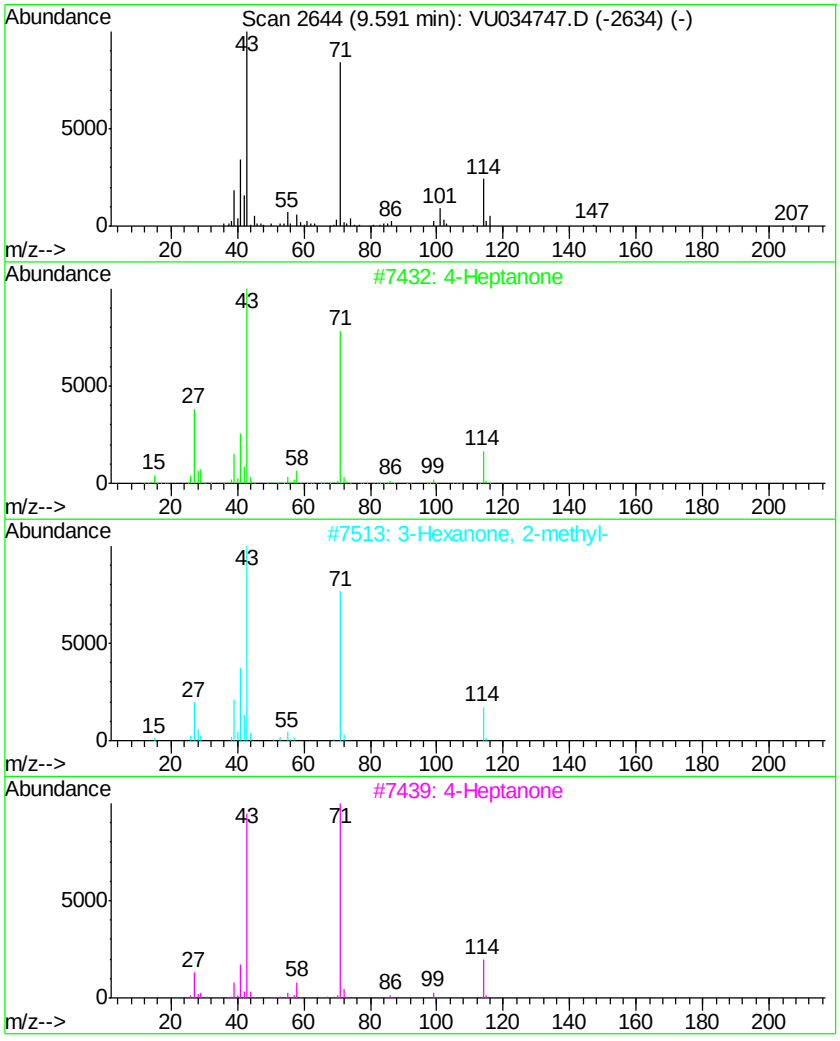
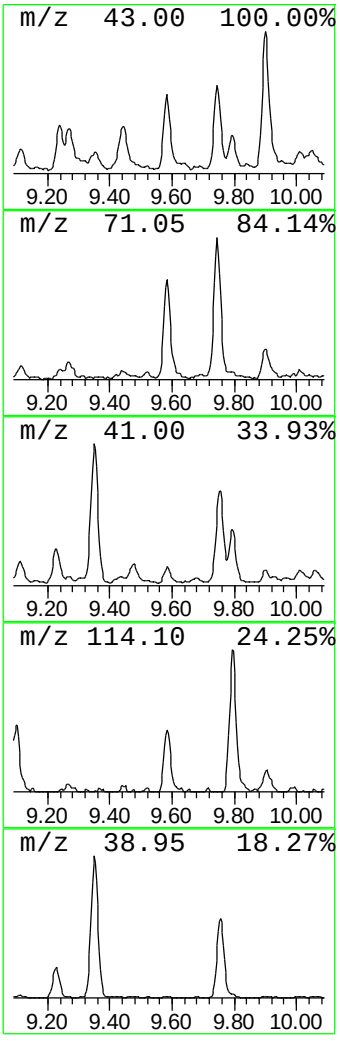
Peak Number 19 4-Heptanone Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	2.94 ug/L	97175	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	87
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	86
3	4-Heptanone	114	C7H14O	000123-19-3	72
4	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
5	4-Heptanone	114	C7H14O	000123-19-3	72





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

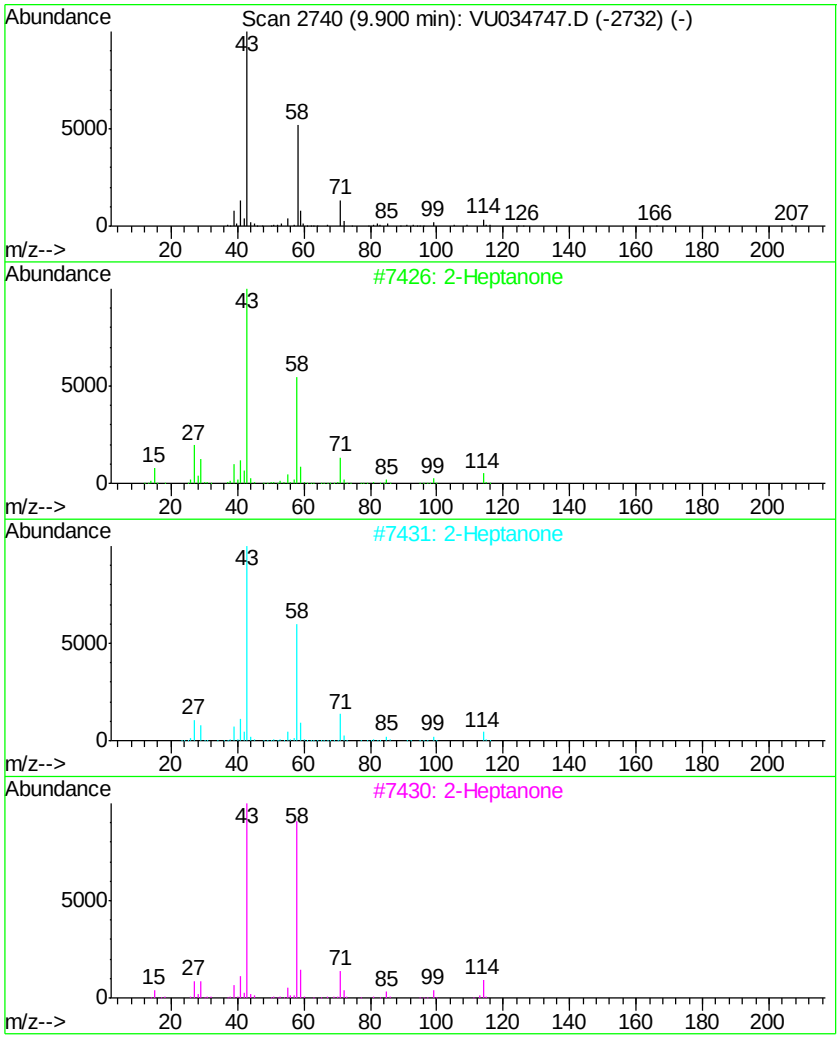
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

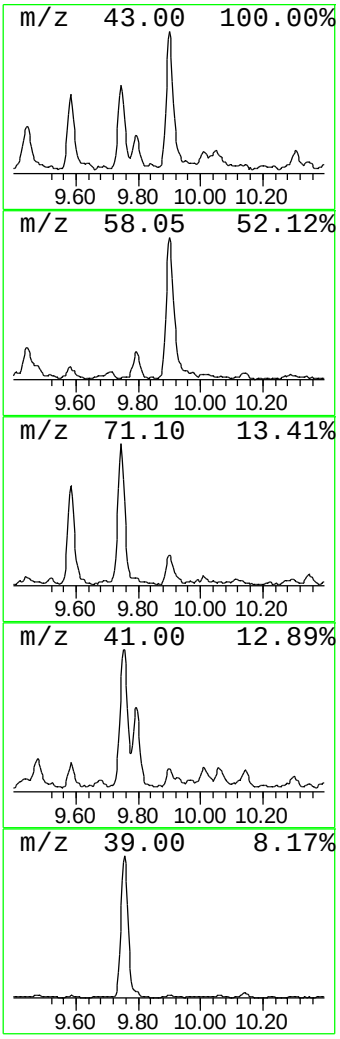
****

Peak Number 20 2-Heptanone Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.64 ug/L	153376	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	91
3	2-Heptanone	114	C7H14O	000110-43-0	78
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	59





Library Search Compound Report

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Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

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

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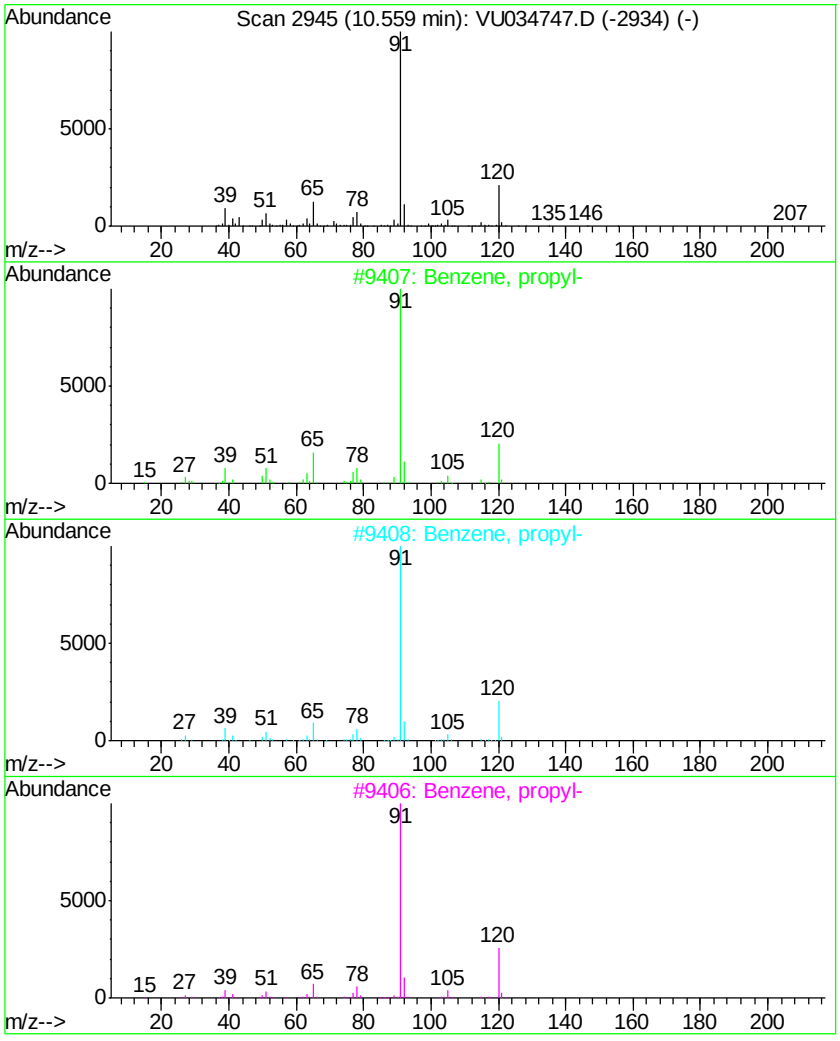
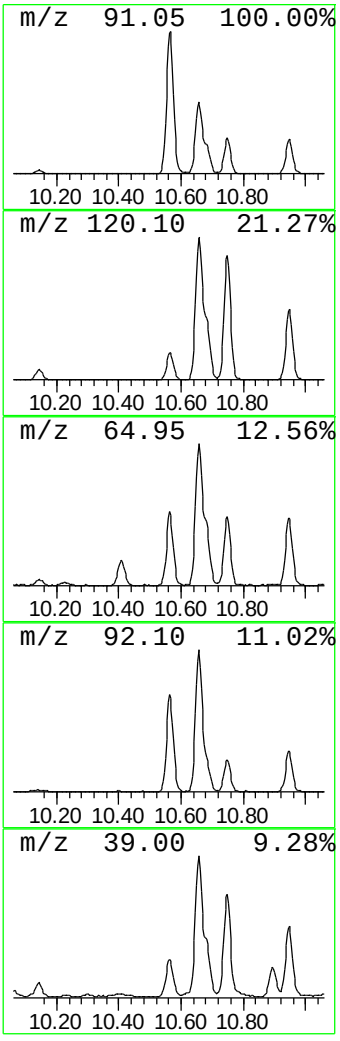
Peak Number 21 Benzene, propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	28.80 ug/L	992592	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	Benzeneacetaldehyde	120	C8H8O	000122-78-1	62





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

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

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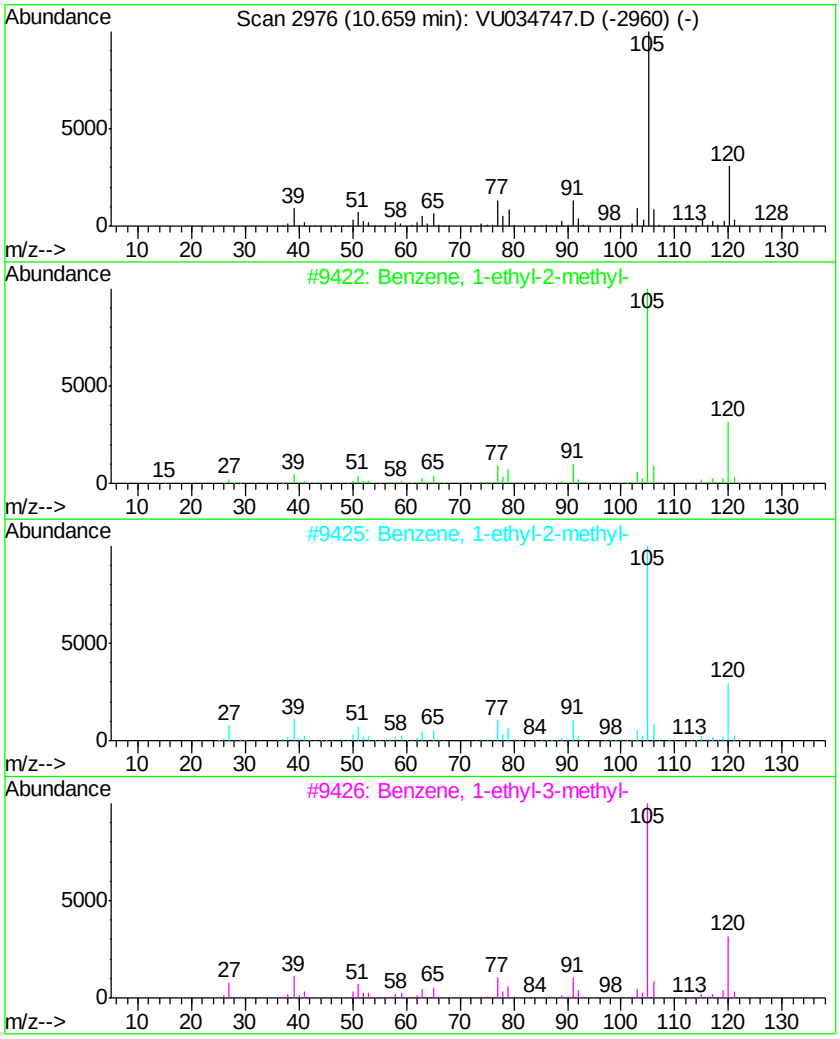
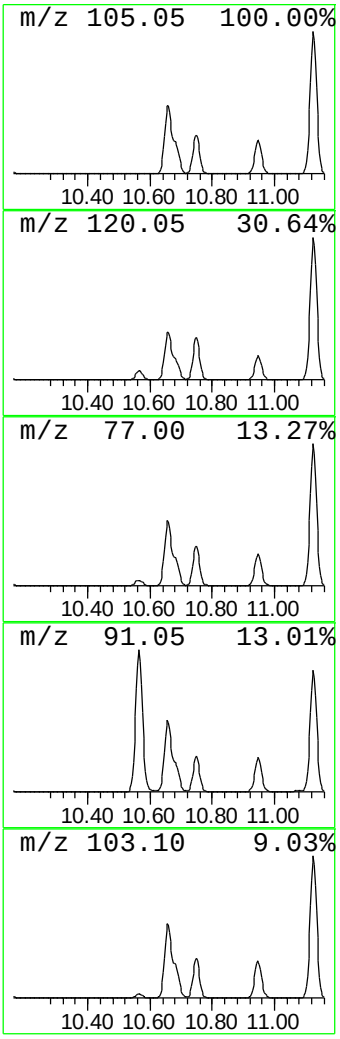
Peak Number 22 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	162.31 ug/L	5594720	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





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

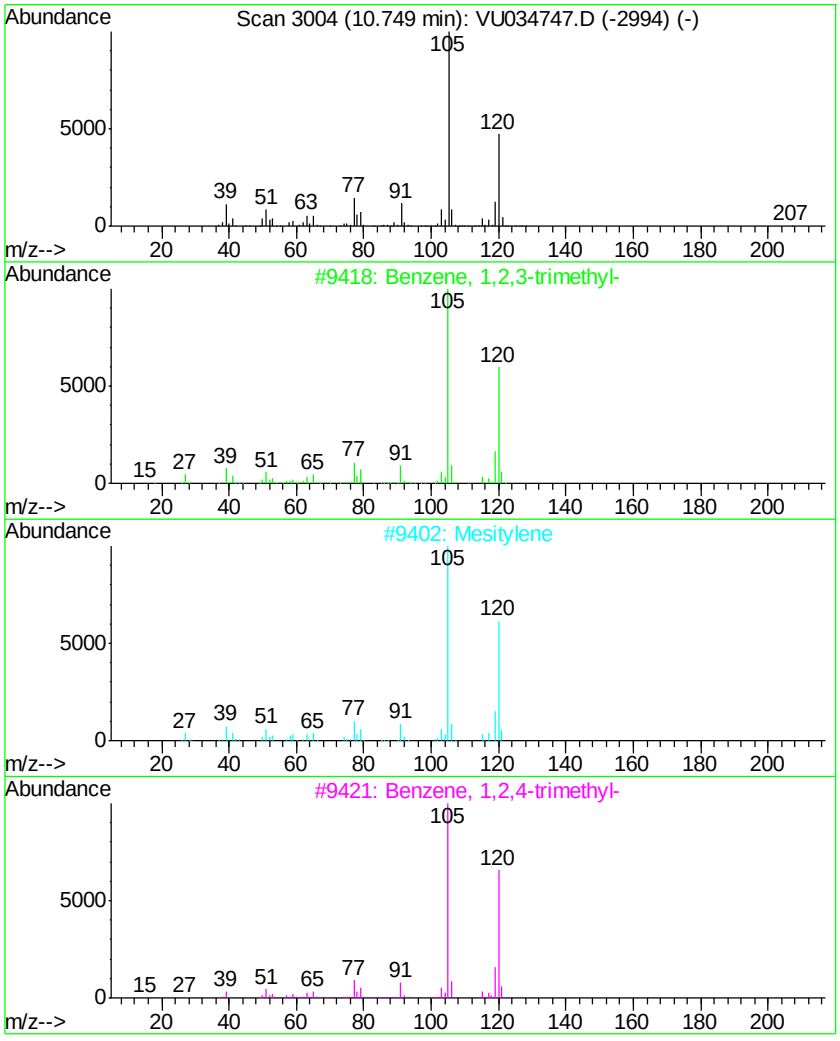
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

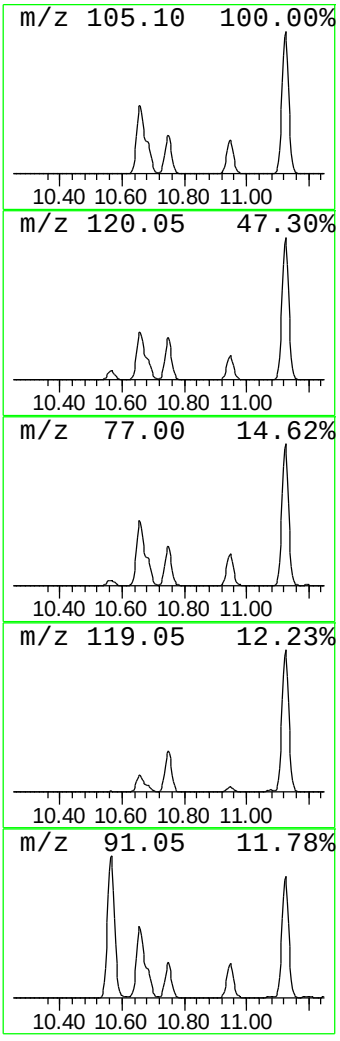
****

Peak Number 23 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	77.37 ug/L	2666770	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	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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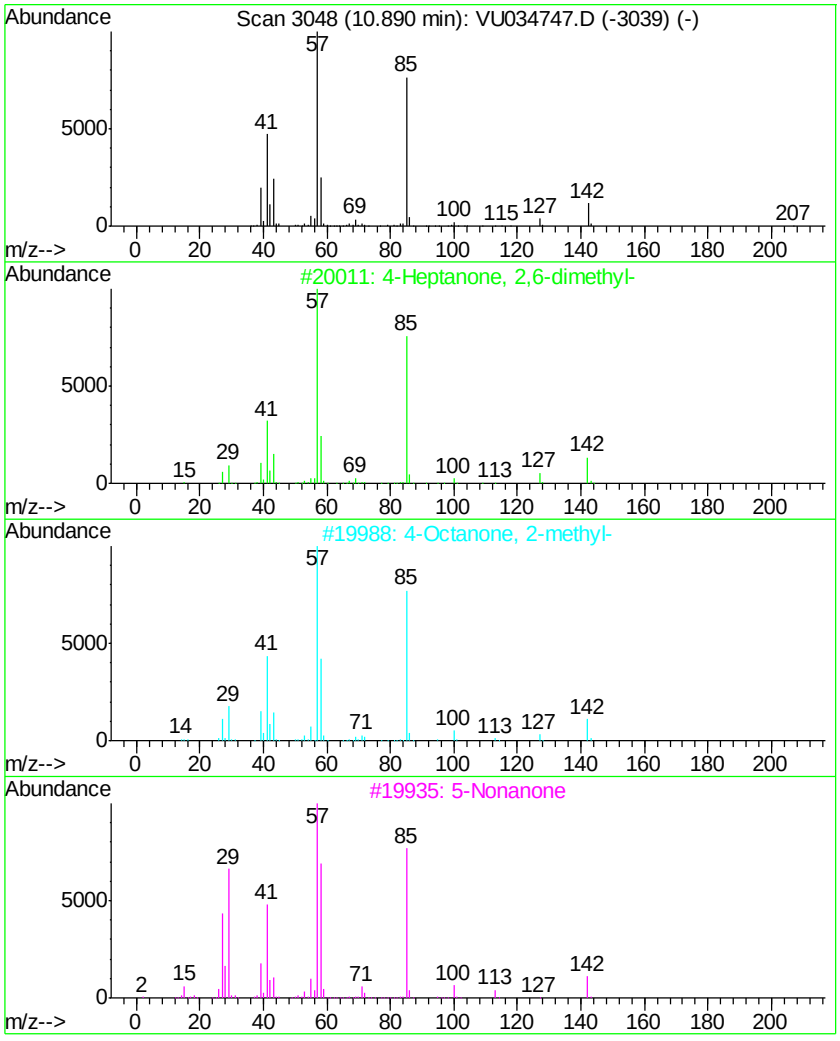
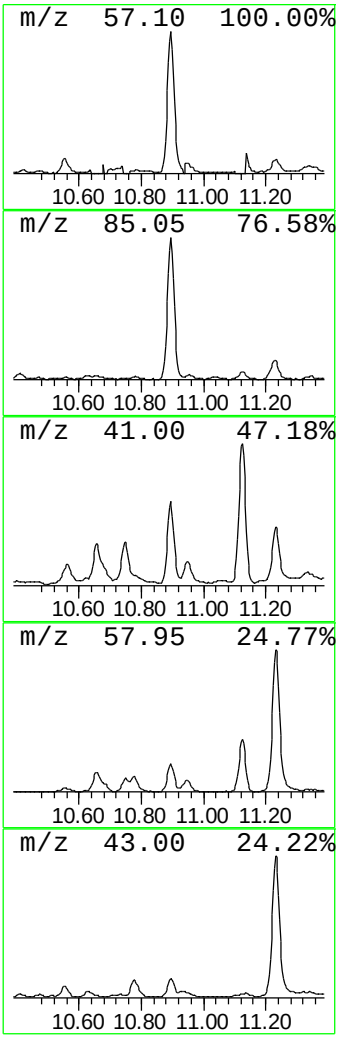
Peak Number 24 4-Heptanone, 2,6-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	15.68 ug/L	540470	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-Octanone, 2-methyl-	142	C9H18O	007492-38-8	80
3	5-Nonanone	142	C9H18O	000502-56-7	72
4	Acetaldehyde, bis(1-methylethyl)...	142	C8H18N2	067660-50-8	64
5	5-Nonanone	142	C9H18O	000502-56-7	64





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Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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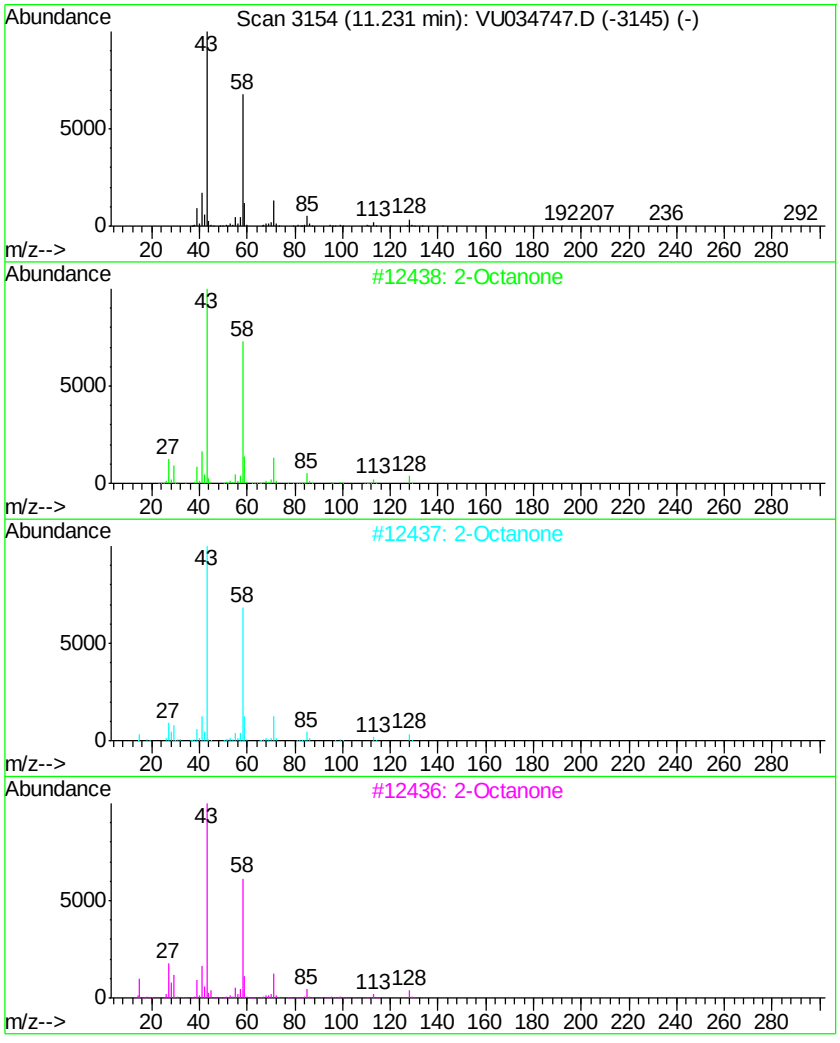
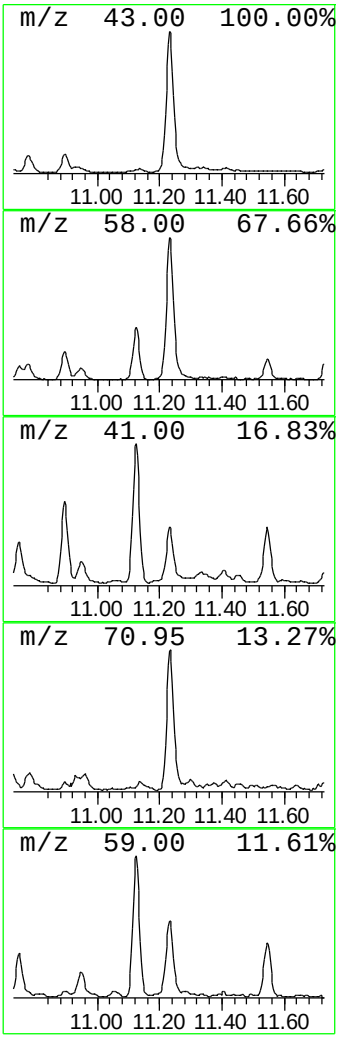
Peak Number 27 2-Octanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	21.78 ug/L	750715	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	94
2	2-Octanone	128	C8H16O	000111-13-7	94
3	2-Octanone	128	C8H16O	000111-13-7	91
4	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	90
5	2-Octanone	128	C8H16O	000111-13-7	87





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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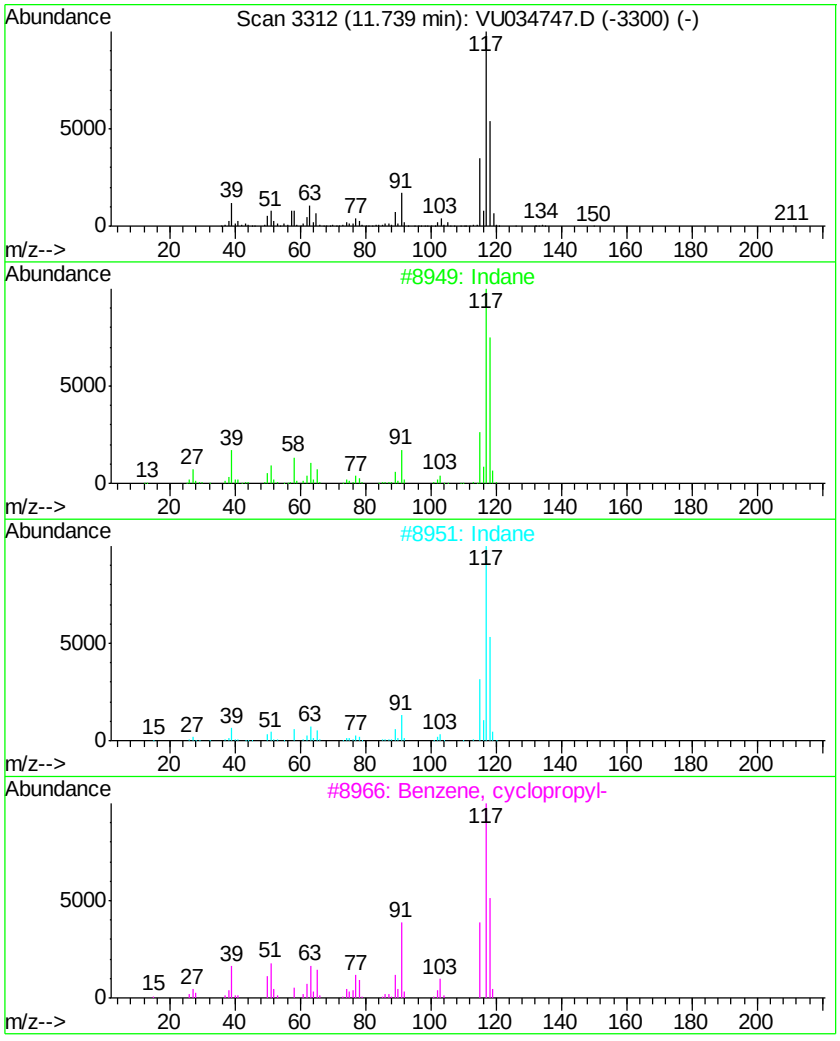
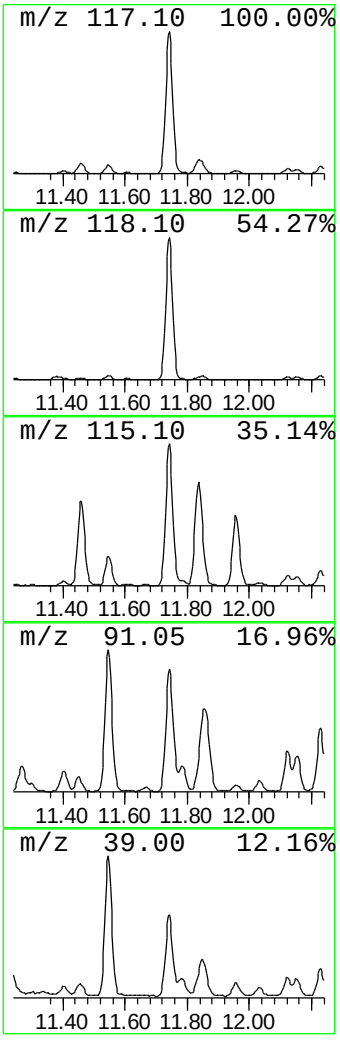
Peak Number 30 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	73.72 ug/L	2541170	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	90
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	90
4	Indane	118	C9H10	000496-11-7	90
5	Indane	118	C9H10	000496-11-7	81





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Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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Quant Title : VOC Analysis

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

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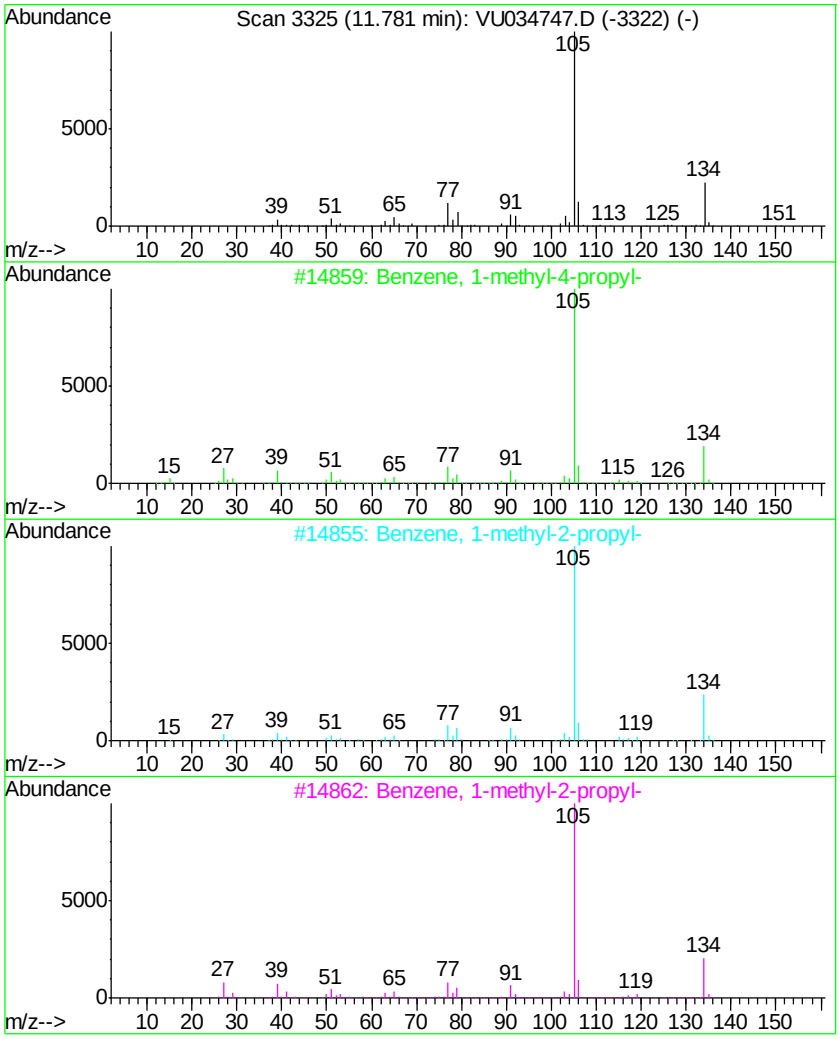
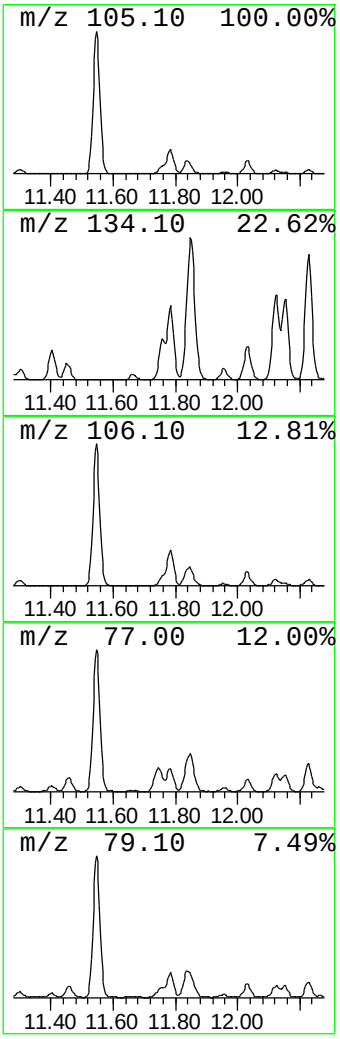
Peak Number 31 Benzene, 1-methyl-4-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	13.96 ug/L	481161	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	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80





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Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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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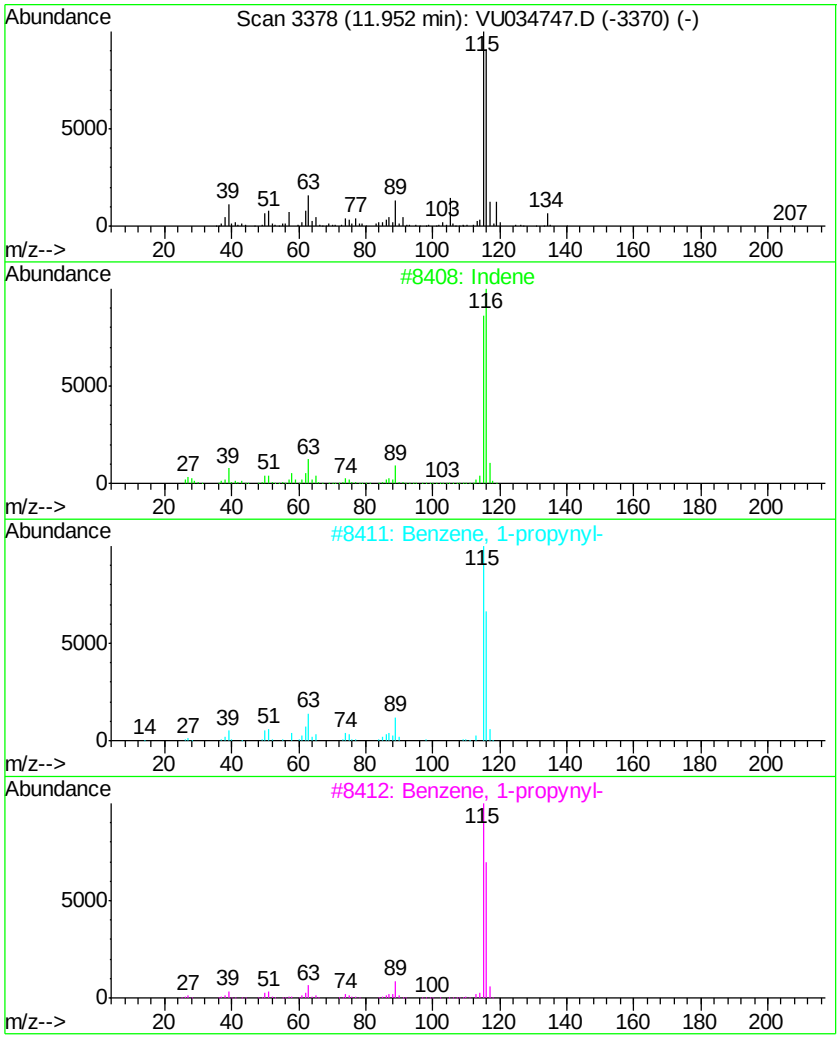
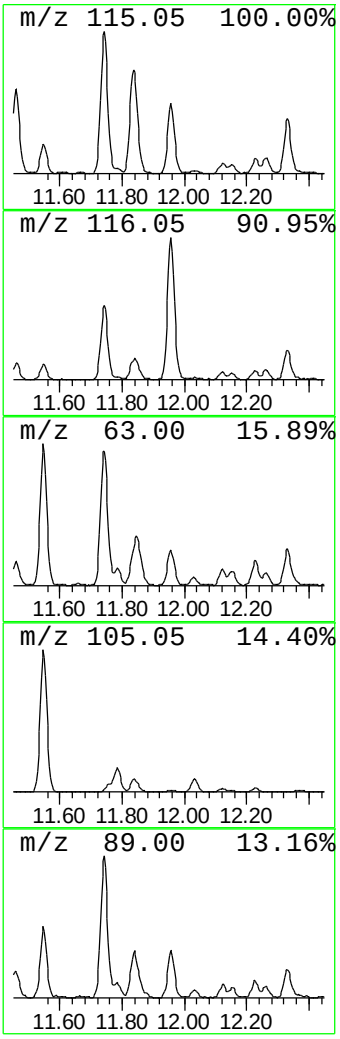
Peak Number 32 Indene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	13.70 ug/L	472234	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	87
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





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Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

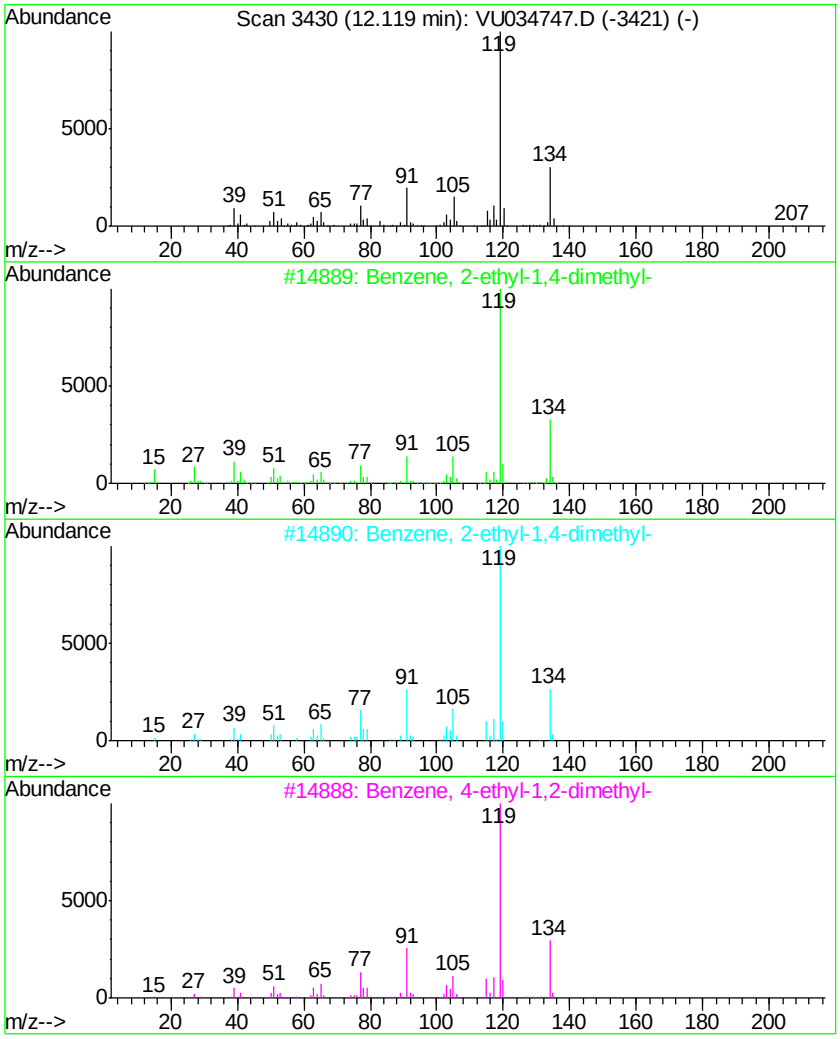
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

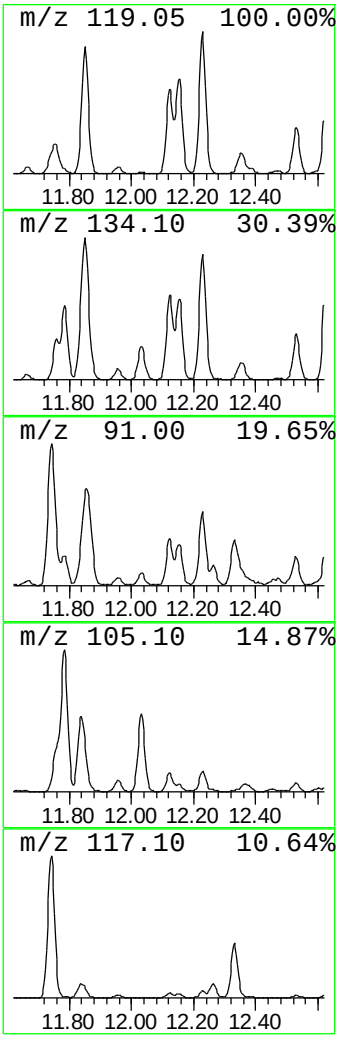
****

Peak Number 34 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	17.43 ug/L	600639	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

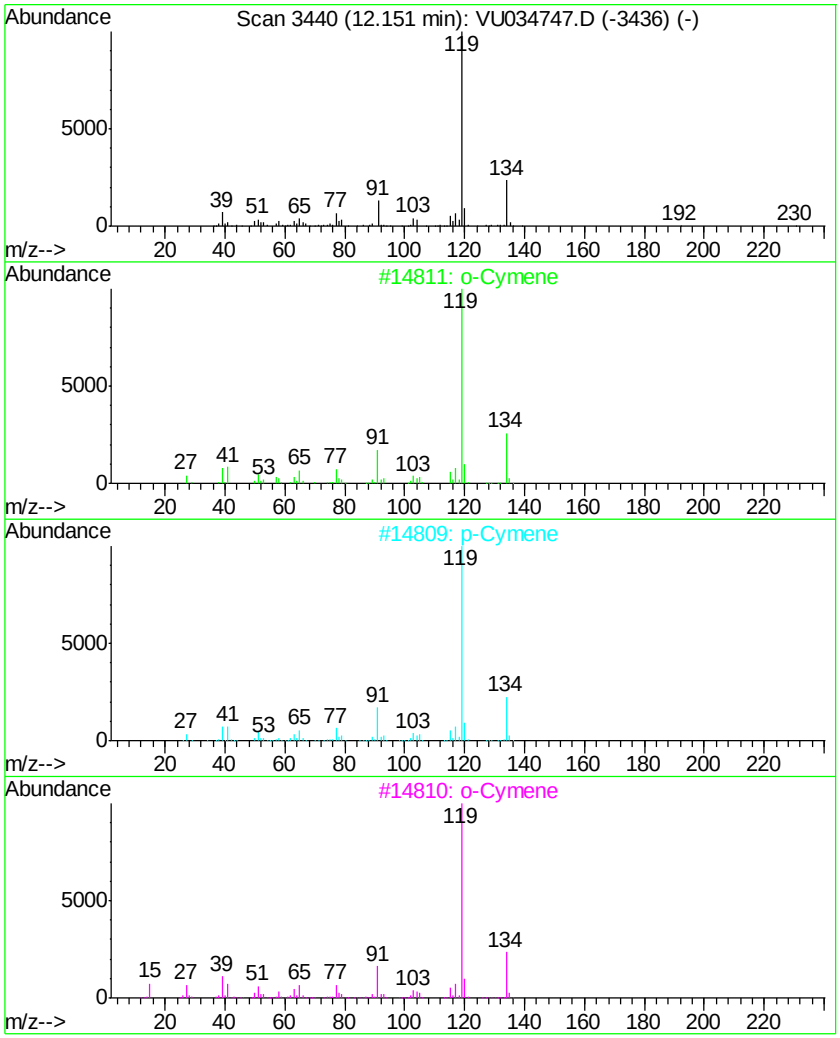
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

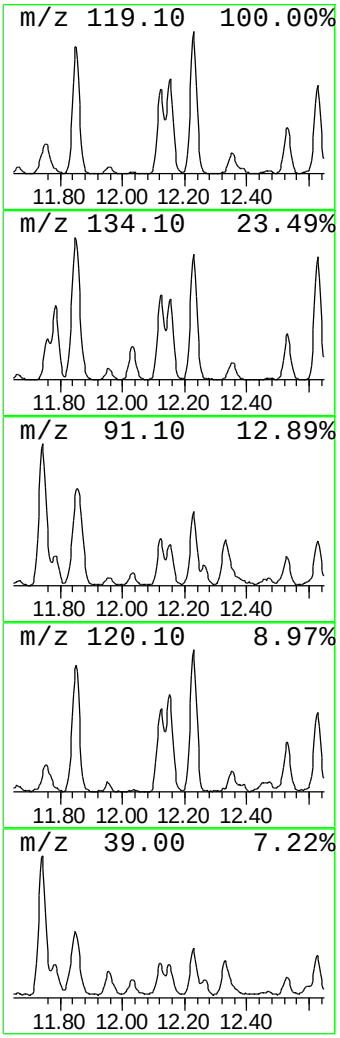
****

Peak Number 35 o-Cymene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	14.65 ug/L	504913	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	p-Cymene	134	C10H14	000099-87-6	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

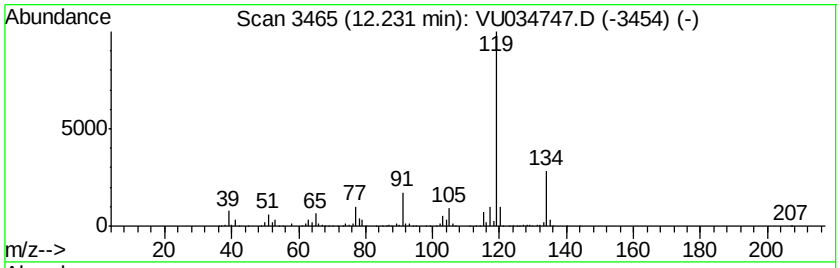
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

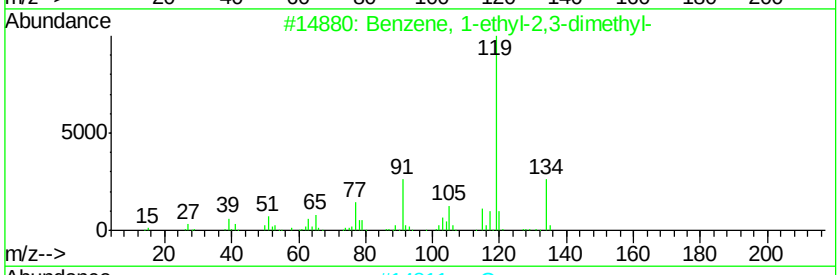
****

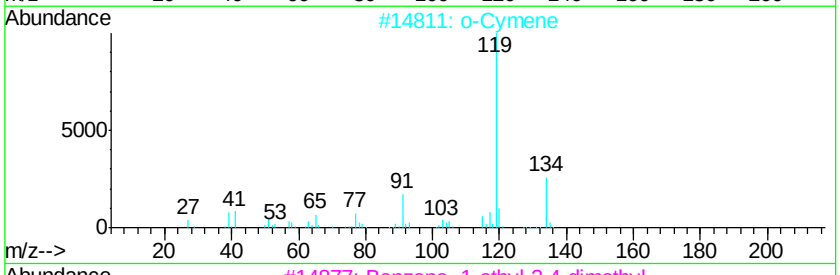
Peak Number 36 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 19

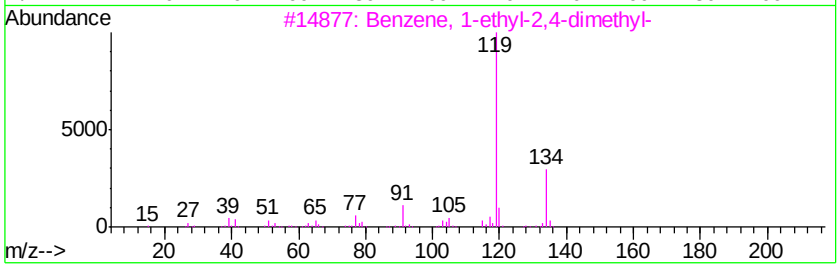
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	24.89 ug/L	858079	1,4-Dichlorobenzene-d4	11.46

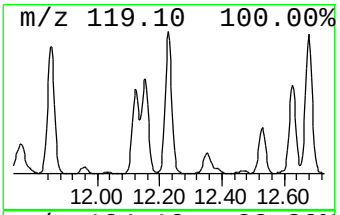
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94

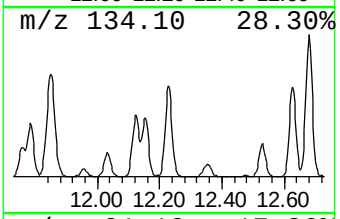


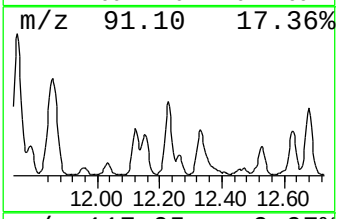


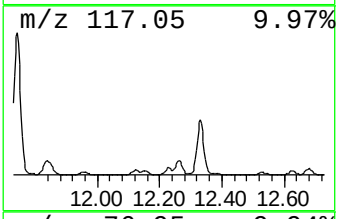


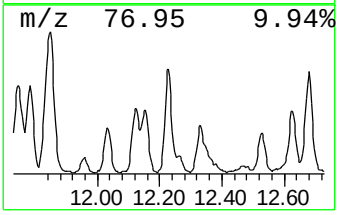












Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

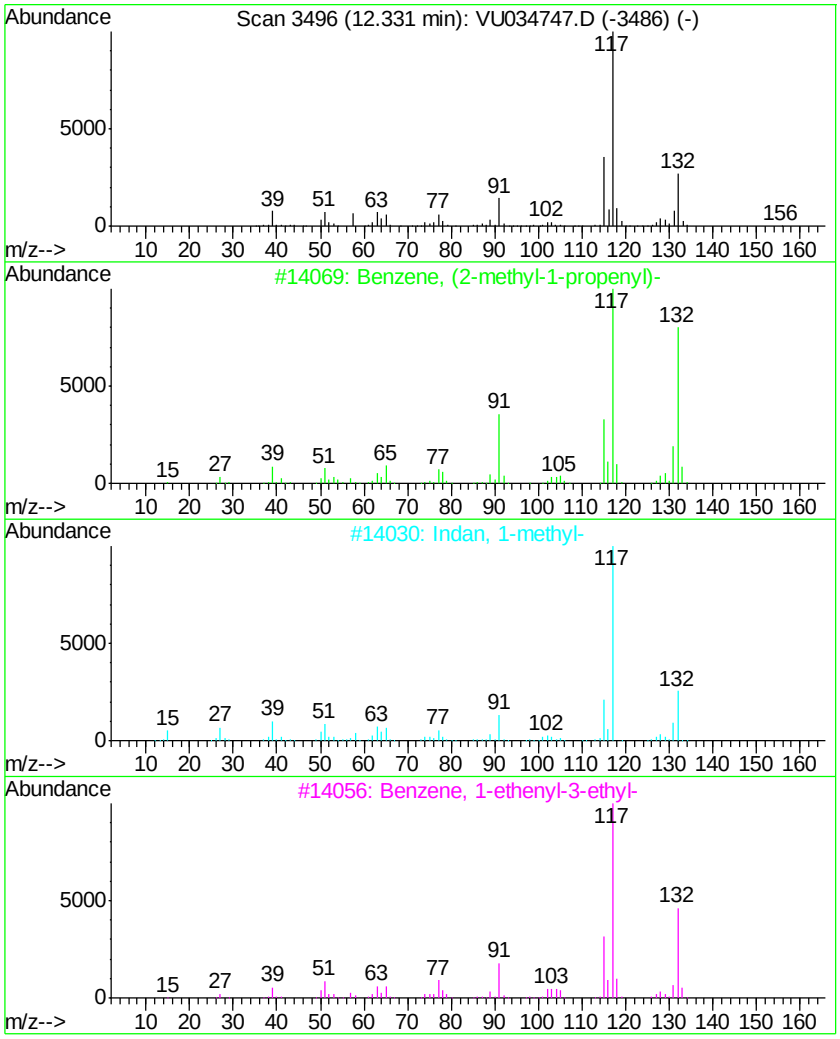
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

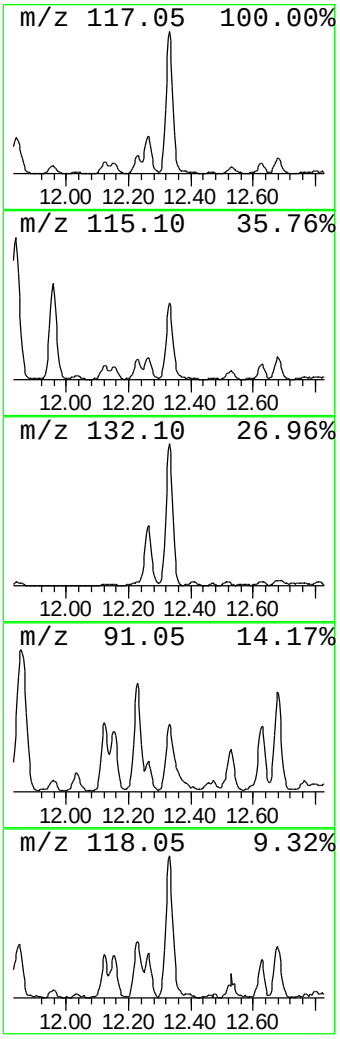
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, (2-methyl-1-propen... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	26.11 ug/L	899869	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

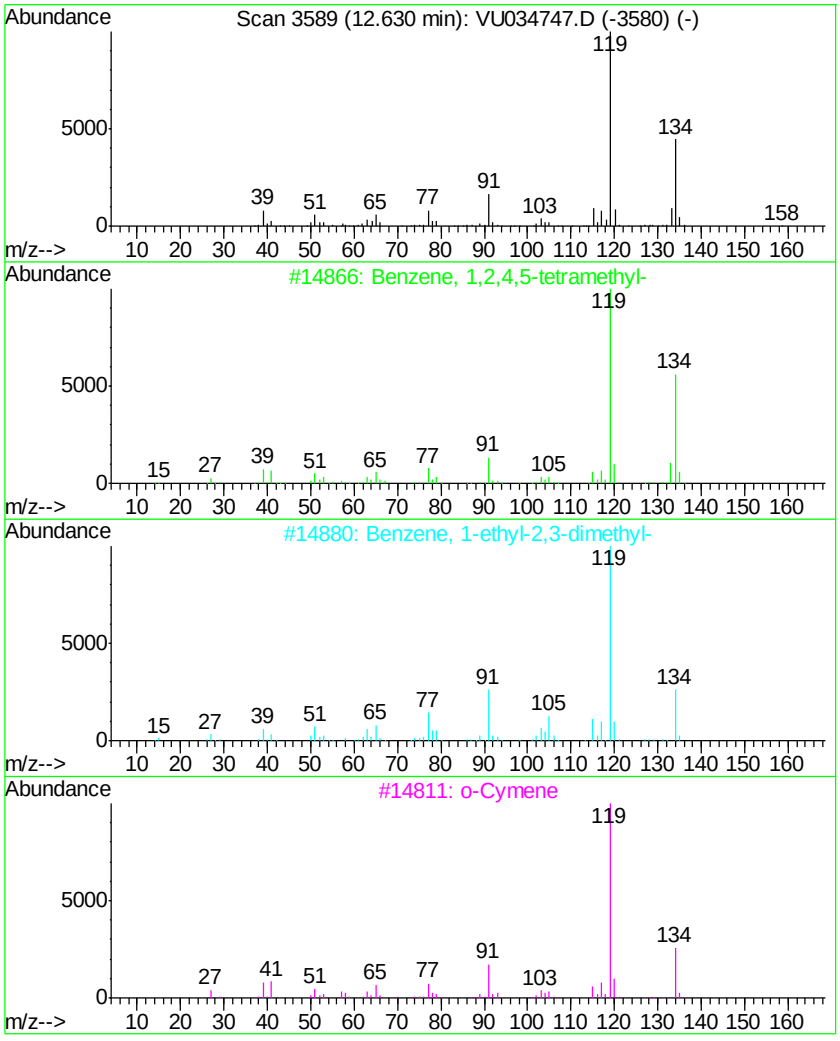
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

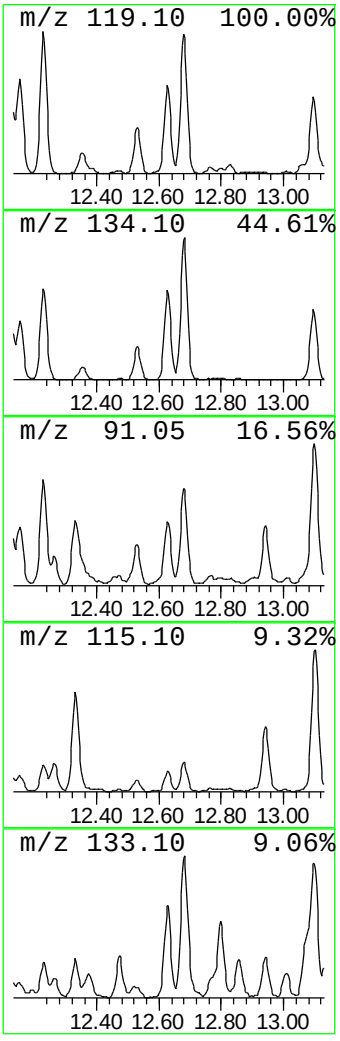
****

Peak Number 39 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	17.68 ug/L	609291	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

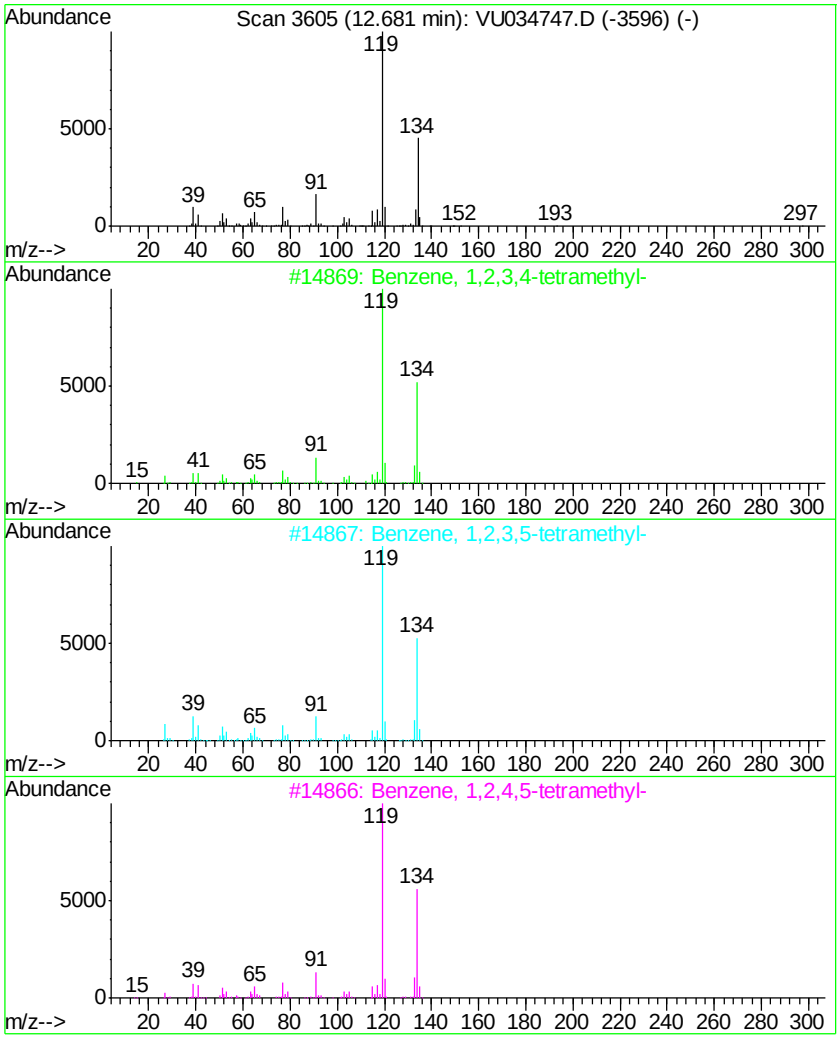
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

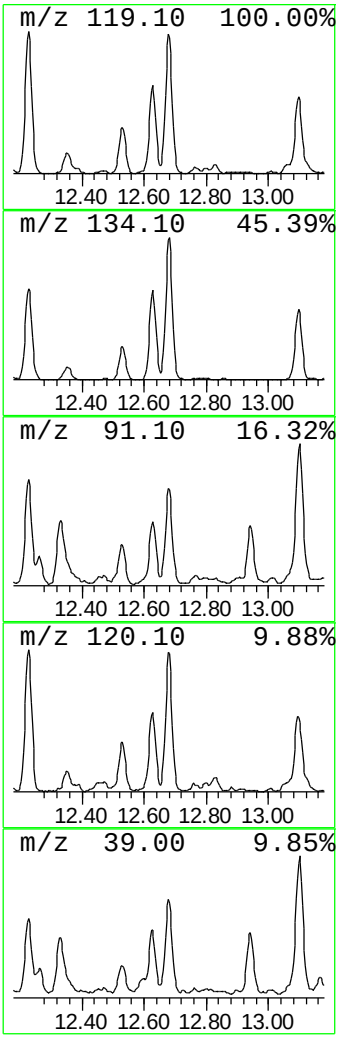
****

Peak Number 40 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	27.63 ug/L	952332	1,4-Dichlorobenzene-d4	11.46

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

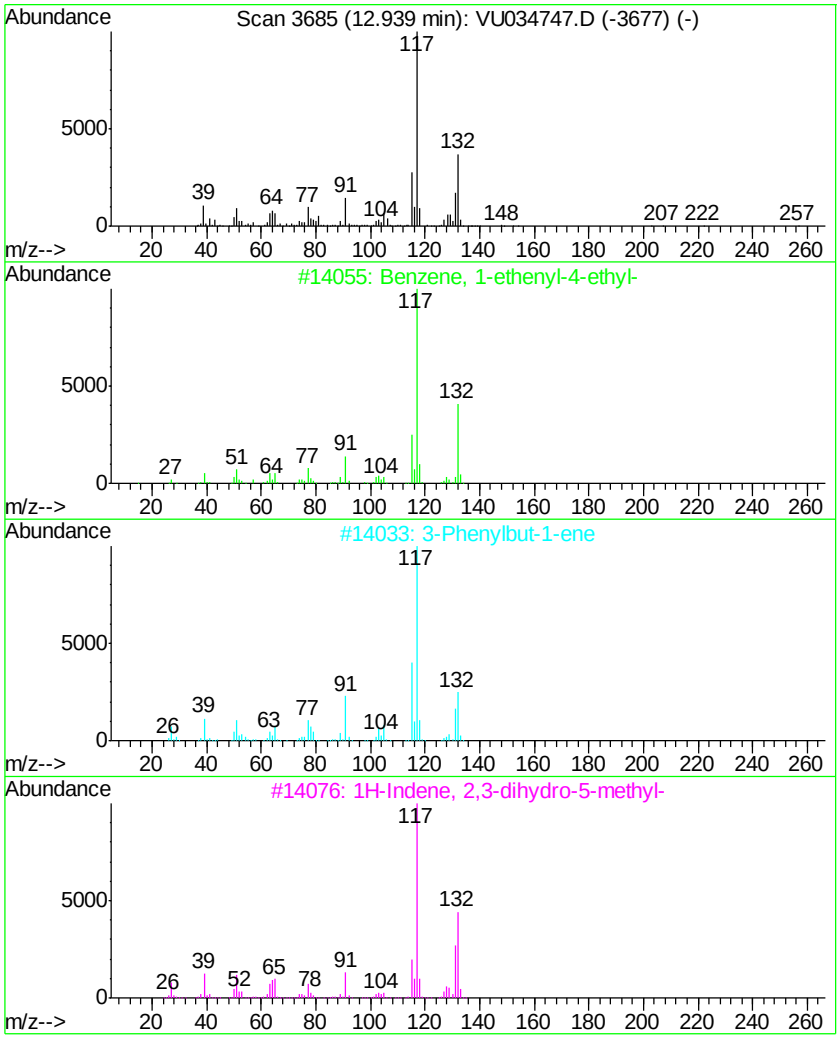
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

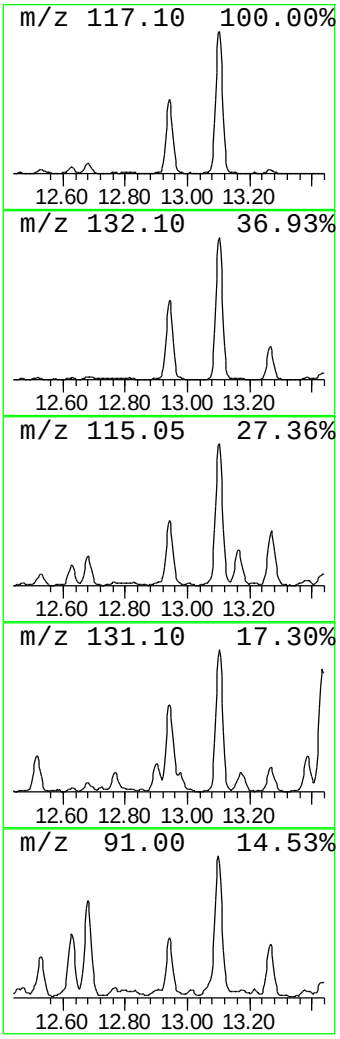
****

Peak Number 41 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	22.01 ug/L	758519	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

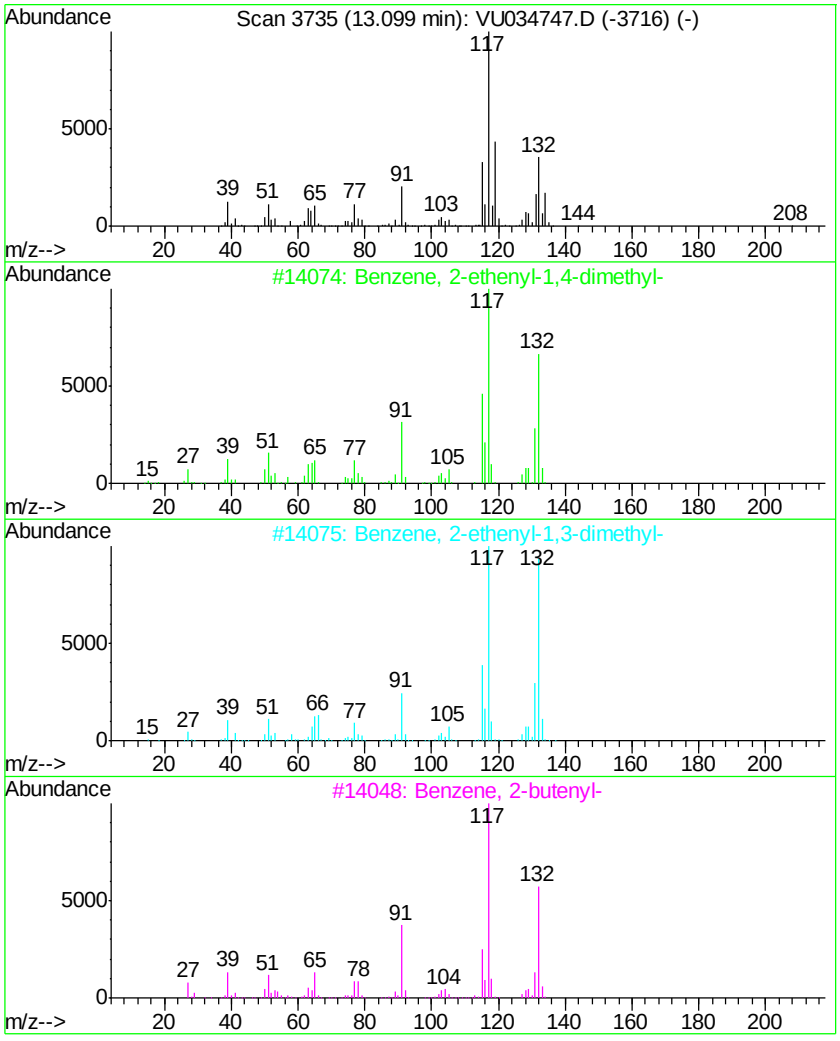
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

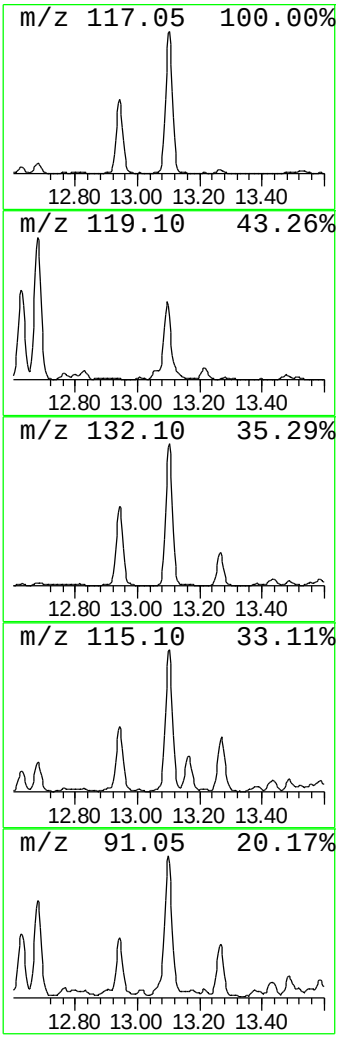
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	55.82 ug/L	1923960	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	76
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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

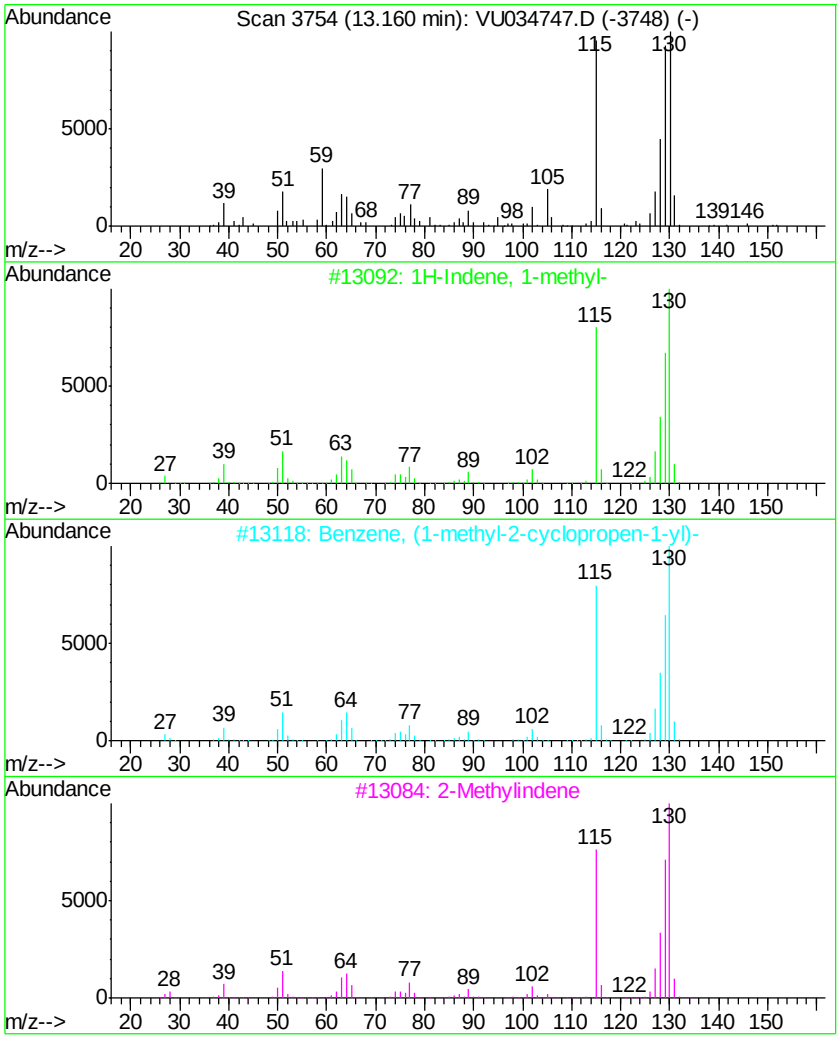
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

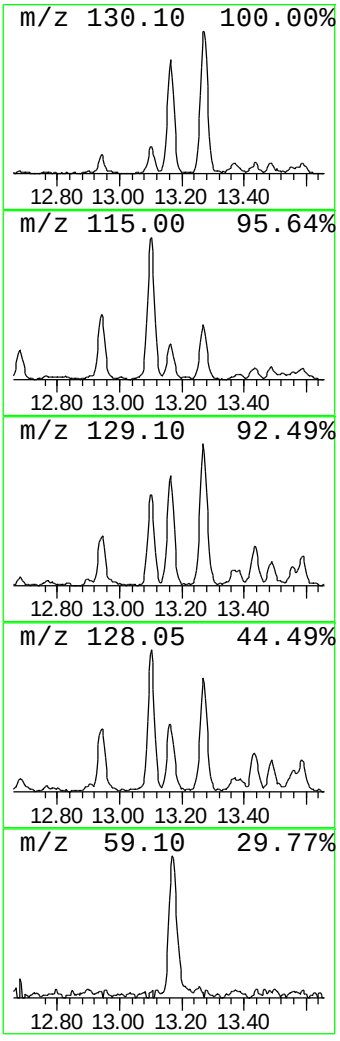
****

Peak Number 43 1H-Indene, 1-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	6.53 ug/L	225182	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034747.D
Acq On : 23 Sep 2019 20:55
Operator : JC/SP
Sample : K4932-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG5

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: Cyc...	2.17	3.1	ug/L	77963	1	5.86	1243530	50.0
Isopropyl Alcohol	2.43	4.2	ug/L	104526	1	5.86	1243530	50.0
(DEL) Alkane: Cyc...	2.77	3.3	ug/L	81888	1	5.86	1243530	50.0
(DEL) Alkane: Cyc...	3.17	2.8	ug/L	69596	1	5.86	1243530	50.0
(DEL) Alkane: Cyc...	3.54	3.4	ug/L	85544	1	5.86	1243530	50.0
(DEL) Alkane: Cyc...	4.07	5.4	ug/L	133879	1	5.86	1243530	50.0
Cyclopentene, 1-m...	4.76	6.5	ug/L	162856	1	5.86	1243530	50.0
Isopropyl acetate	5.53	10.1	ug/L	250467	1	5.86	1243530	50.0
n-Propyl acetate	6.68	152.6	ug/L	3796320	1	5.86	1243530	50.0
Cyclobutane, (1-m...	7.05	4.7	ug/L	116948	1	5.86	1243530	50.0
Thiophene, 3-methyl-	7.75	3.5	ug/L	114992	2	9.07	1652900	50.0
2-Hexanol	7.89	29.9	ug/L	988734	2	9.07	1652900	50.0
Propanoic acid, 2...	8.13	17.1	ug/L	564985	2	9.07	1652900	50.0
Propanoic acid, p...	8.40	29.4	ug/L	971639	2	9.07	1652900	50.0
Butanoic acid, 1-...	8.88	34.4	ug/L	1137450	2	9.07	1652900	50.0
Thiophene, tetrah...	9.48	3.6	ug/L	120782	2	9.07	1652900	50.0
4-Heptanone	9.59	2.9	ug/L	97175	2	9.07	1652900	50.0
2-Heptanone	9.90	4.6	ug/L	153376	2	9.07	1652900	50.0
Benzene, propyl-	10.56	28.8	ug/L	992592	3	11.46	1723480	50.0
Benzene, 1-ethyl-...	10.66	162.3	ug/L	5594720	3	11.46	1723480	50.0
Benzene, 1,2,3-tr...	10.75	77.4	ug/L	2666770	3	11.46	1723480	50.0
4-Heptanone, 2,6-...	10.89	15.7	ug/L	540470	3	11.46	1723480	50.0
2-Octanone	11.23	21.8	ug/L	750715	3	11.46	1723480	50.0
Indane	11.74	73.7	ug/L	2541170	3	11.46	1723480	50.0
Benzene, 1-methyl...	11.78	14.0	ug/L	481161	3	11.46	1723480	50.0
Indene	11.95	13.7	ug/L	472234	3	11.46	1723480	50.0
Benzene, 2-ethyl-...	12.12	17.4	ug/L	600639	3	11.46	1723480	50.0
o-Cymene	12.15	14.7	ug/L	504913	3	11.46	1723480	50.0
Benzene, 1-ethyl-...	12.23	24.9	ug/L	858079	3	11.46	1723480	50.0
Benzene, (2-methy...	12.33	26.1	ug/L	899869	3	11.46	1723480	50.0
Benzene, 1,2,4,5-...	12.63	17.7	ug/L	609291	3	11.46	1723480	50.0
Benzene, 1,2,3,4-...	12.68	27.6	ug/L	952332	3	11.46	1723480	50.0
Benzene, 1-etheny...	12.94	22.0	ug/L	758519	3	11.46	1723480	50.0
Benzene, 2-etheny...	13.10	55.8	ug/L	1923960	3	11.46	1723480	50.0
1H-Indene, 1-methyl-	13.16	6.5	ug/L	225182	3	11.46	1723480	50.0