LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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	86	94	104	rBV	368033	367551	3.01%	0.344%
2	1.466	110	117	127	rBV	104402	116810	0.96%	0.109%
3	1.543	133	141	154	rVB2	48131	72689	0.59%	0.068%
4	1.672	172	181	196	rBV	268271	348056	2.85%	0.326%
5	2.257	350	363	372	rVV	508087	805883	6.59%	0.754%
6	2.305	372	378	393	rVB	127277	198392	1.62%	0.186%
7	2.685	482	496	516	rVV	556058	1044407	8.55%	0.977%
8	2.772	517	523	540	rVB5	17824	44816	0.37%	0.042%
9	3.167	635	646	661	rBV4	16529	38014	0.31%	0.036%
10	3.540	749	762	778	rVB6	14966	40336	0.33%	0.038%
11	3.868	851	864	881	rBV7	13733	35213	0.29%	0.033%
12	4.067	912	926	940	rBV3	39342	102808	0.84%	0.096%
13	4.151	940	952	1003	rVB2	274473	870124	7.12%	0.814%
14	4.621	1081	1098	1119	rBV	392329	928118	7.59%	0.868%
15	4.756	1128	1140	1153	rVB3	39142	90883	0.74%	0.085%
16	4.971	1191	1207	1223	rBV2	60864	148988	1.22%	0.139%
17	5.315	1289	1314	1323	rBV2	834059	2444716	20.00%	2.287%
18	5.366	1324	1330	1351	rVB	576735	1133769	9.28%	1.061%
19	5.527	1365	1380	1394	rBV	91298	188419	1.54%	0.176%
20	5.765	1438	1454	1468	rBV7	15407	43196	0.35%	0.040%
21	5.865	1471	1485	1499	rBV	649867	1291471	10.57%	1.208%
22	6.164	1565	1578	1607	rVB	345108	741218	6.06%	0.693%
23	6.309	1608	1623	1638	rBV	564233	1143891	9.36%	1.070%
24	6.399	1638	1651	1670	rVB6	101091	267067	2.19%	0.250%
25	6.591	1707	1711	1727	rVB7	20911	44701	0.37%	0.042%
26	6.685	1727	1740	1766	rBV	1879210	3376801	27.63%	3.159%
27	7.045	1840	1852	1862	rVV2	39330	75377	0.62%	0.071%
28	7.206	1888	1902	1922	rBV	318988	589093	4.82%	0.551%
29	7.402	1949	1963	1966	rBV	252899	395841	3.24%	0.370%
30	7.437	1966	1974	1990	rVB	1010326	1782035	14.58%	1.667%
31	7.543	1995	2007	2017	rBV	1145045	1981588	16.21%	1.854%
32	7.614	2017	2029	2046	rVB	7307768	12222280	100.00%	11.435%
33	7.749	2066	2071	2083	rVB6	24341	40491	0.33%	0.038%
34	7.826	2085	2095	2107	rVV3	283750	494109	4.04%	0.462%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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	7.890	2107	2115	2140	rVB2	178166	402193	3.29%	0.376%
36	8.135	2180	2191	2203	rBV	322789	538313	4.40%	0.504%
37	8.206	2204	2213	2221	rBV3	147793	252281	2.06%	0.236%
38	8.289	2229	2239	2257	rBV	1044316	1744248	14.27%	1.632%
39	8.395	2262	2272	2283	rBV	575996	884317	7.24%	0.827%
40	8.511	2301	2308	2320	rVB4	30753	54469	0.45%	0.051%
41	8.884	2410	2424	2436	rBV	676009	1055206	8.63%	0.987%
42	9.067	2457	2481	2491	rBV	973778	1709658	13.99%	1.599%
43	9.228	2519	2531	2553	rBV	1774788	2870197	23.48%	2.685%
44	9.350	2555	2569	2585	rBV	6616451	10685990	87.43%	9.997%
45	9.476	2601	2608	2617	rVB2	66588	98060	0.80%	0.092%
46	9.585	2635	2642	2653	rBV4	35286	63613	0.52%	0.060%
47	9.755	2683	2695	2726	rVB	4248968	6935970	56.75%	6.489%
48	9.903	2733	2741	2757	rBV	56320	132381	1.08%	0.124%
49	10.144	2805	2816	2827	rVB	177070	292734	2.40%	0.274%
50	10.302	2857	2865	2874	rBV7	22364	37843	0.31%	0.035%
51	10.408	2886	2898	2912	rBV	776882	1261545	10.32%	1.180%
52	10.566	2935	2947	2958	rBV	417186	687736	5.63%	0.643%
53	10.659	2959	2976	2994	rVV	1921630	4062725	33.24%	3.801%
54	10.749	2994	3004	3022	rVB	1319545	2012620	16.47%	1.883%
55	10.894	3040	3049	3057	rBV	204390	319442	2.61%	0.299%
56	10.948	3057	3066	3087	rVB	996623	1619503	13.25%	1.515%
57	11.058	3093	3100	3108	rBV8	25708	43864	0.36%	0.041%
58	11.125	3109	3121	3136	rVV	4573056	6858825	56.12%	6.417%
59	11.234	3148	3155	3169	rBV2	86855	154584	1.26%	0.145%
60	11.305	3171	3177	3182	rBV2	37434	56962	0.47%	0.053%
61	11.402	3200	3207	3215	rBV	128344	190397	1.56%	0.178%
62	11.459	3215	3225	3241	rVB	1060986	1749457	14.31%	1.637%
63	11.546	3241	3252	3265	rBV	1896851	2900976	23.74%	2.714%
64	11.742	3300	3313	3322	rBV2	1210565	2203539	18.03%	2.062%
65	11.842	3333	3344	3368	rVB5	1552408	3510934	28.73%	3.285%
66	11.958	3370	3380	3394	rVV	225309	377462	3.09%	0.353%
67	12.032	3395	3403	3414	rVB	145703	231767	1.90%	0.217%
68	12.122	3421	3431	3436	rBV	319004	489397	4.00%	0.458%
69	12.151	3437	3440	3451	rVB	289532	371523	3.04%	0.348%
70	12.228	3455	3464	3471	rBV	462146	677236	5.54%	0.634%
71	12.331	3486	3496	3526	rVB2	403716	814339	6.66%	0.762%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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	12.530	3548	3558	3568	rVB3	173912	283292	2.32%	0.265%
73	12.594	3569	3578	3582	rBV	145321	220629	1.81%	0.206%
74	12.627	3582	3588	3596	rVV	322514	473943	3.88%	0.443%
75	12.681	3596	3605	3622	rVB	520048	827150	6.77%	0.774%
76	12.765	3624	3631	3637	rBV3	35519	56415	0.46%	0.053%
77	12.942	3677	3686	3700	rVB	444680	662490	5.42%	0.620%
78	13.099	3717	3735	3747	rBV2	973342	1623330	13.28%	1.519%
79	13.164	3748	3755	3765	rVB5	140381	229929	1.88%	0.215%
80	13.270	3778	3788	3809	rVB3	271430	473613	3.87%	0.443%
81	13.376	3809	3821	3831	rBV5	207677	385241	3.15%	0.360%
82	13.434	3831	3839	3848	rVV	109404	189661	1.55%	0.177%
83	13.485	3848	3855	3871	rVV5	140887	307196	2.51%	0.287%
84	13.556	3872	3877	3880	rVV	59704	79676	0.65%	0.075%
85	13.588	3881	3887	3908	rVB3	142083	292219	2.39%	0.273%
86	13.720	3915	3928	3953	rVV	3097117	4990533	40.83%	4.669%
87	13.839	3956	3965	3980	rVB2	198807	333780	2.73%	0.312%
88	13.932	3988	3994	4005	rVV6	37828	63080	0.52%	0.059%
89	13.990	4007	4012	4022	rVB2	43153	66153	0.54%	0.062%
90	14.131	4047	4056	4069	rBV	91833	157628	1.29%	0.147%
91	14.315	4104	4113	4126	rBV6	79885	176389	1.44%	0.165%
92	14.453	4148	4156	4166	rBV3	36871	67130	0.55%	0.063%
93	14.517	4167	4176	4189	rVB4	98134	172216	1.41%	0.161%
94	14.659	4213	4220	4230	rVB7	34256	58695	0.48%	0.055%
95	14.800	4255	4264	4270	rBV	45974	71179	0.58%	0.067%
96	14.855	4270	4281	4309	rVV	955776	1610945	13.18%	1.507%
97	14.967	4310	4316	4326	rVB	21311	36353	0.30%	0.034%
98	15.041	4327	4339	4353	rBV	583188	1015644	8.31%	0.950%
99	15.897	4598	4605	4619	rBV6	19061	36275	0.30%	0.034%
100	16.041	4642	4650	4656	rBV3	43036	65702	0.54%	0.061%

Sum of corrected areas: 106887943

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
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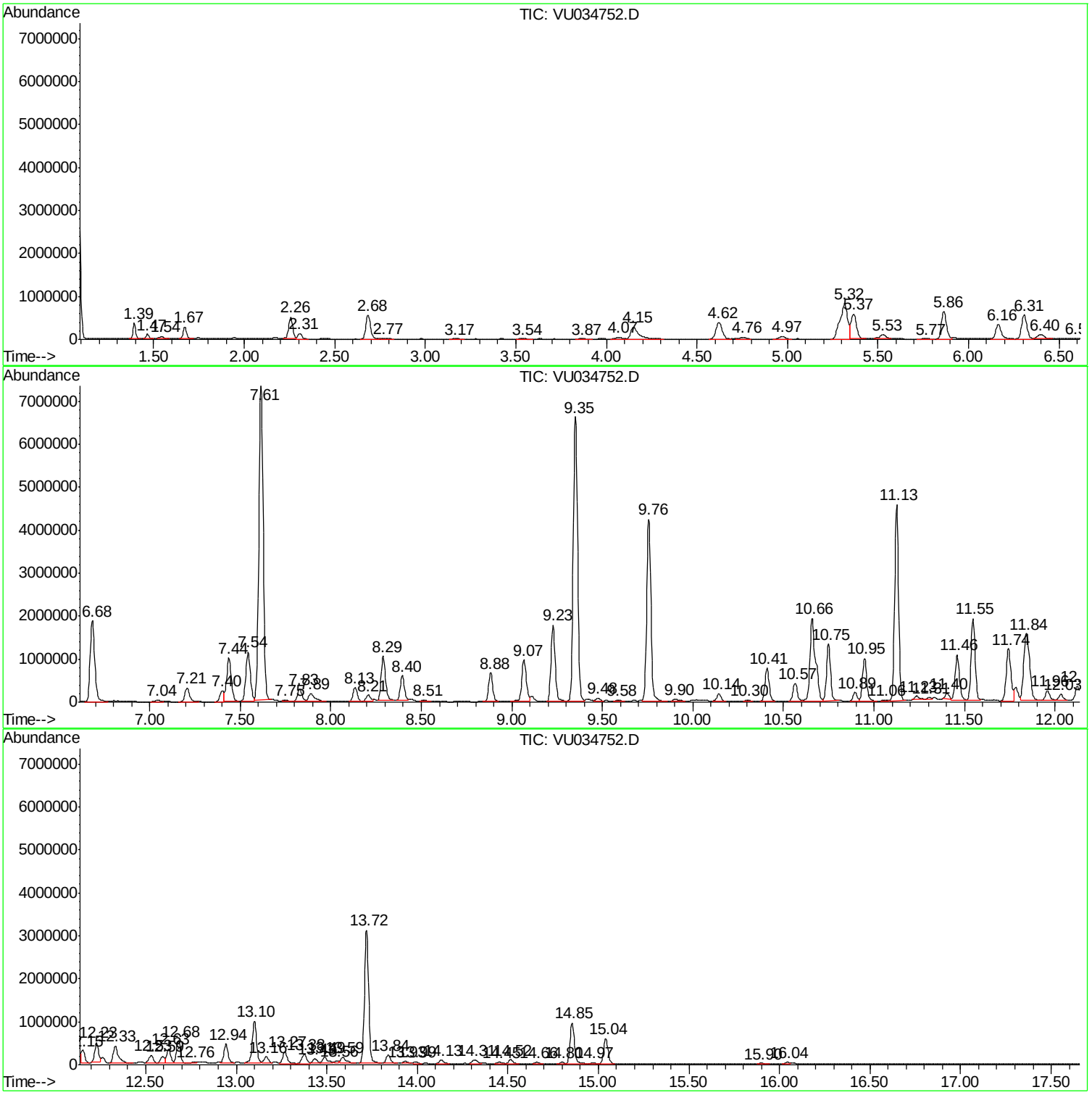
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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 : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

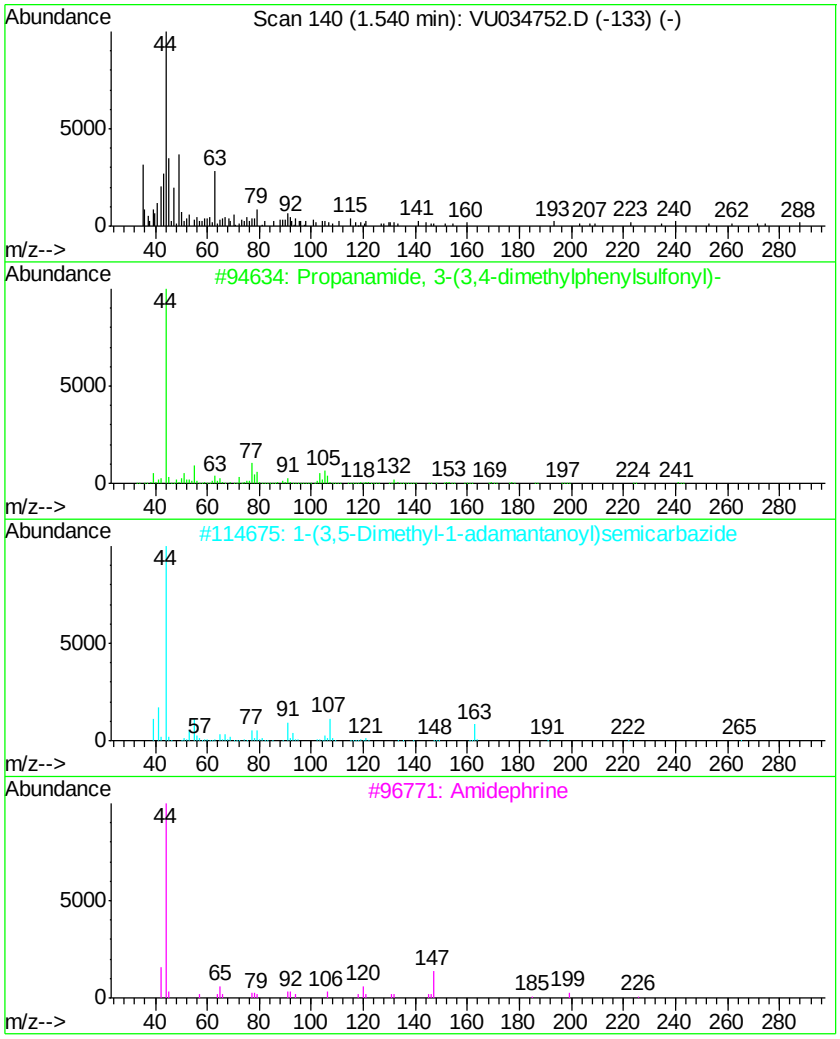
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

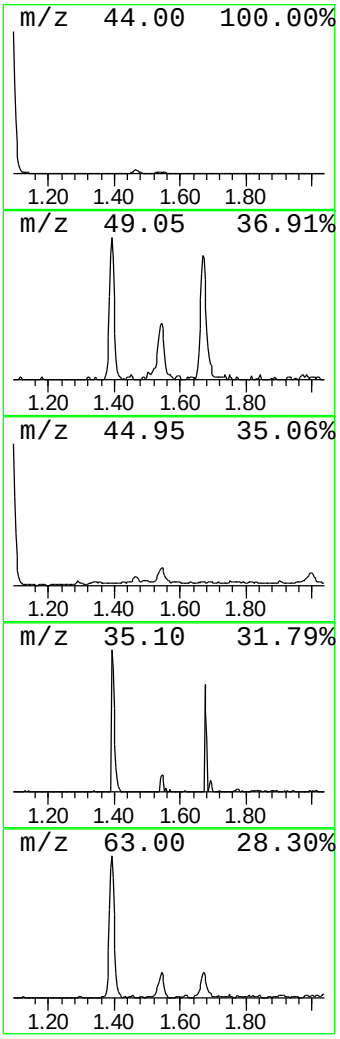
****

Peak Number 2 unknown-01 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.54	2.81 ug/L	72689	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanamide, 3-(3,4-dimethylphen...	241	C11H15NO3S	1000262-80-6	22
2	1-(3,5-Dimethyl-1-adamantanoyl)s...	265	C14H23N3O2	351327-47-4	14
3	Amidephrine	244	C10H16N2O3S	003354-67-4	12
4	Metaraminol	167	C9H13NO2	000054-49-9	12
5	Actinobolin	300	C13H20N2O6	024397-89-5	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

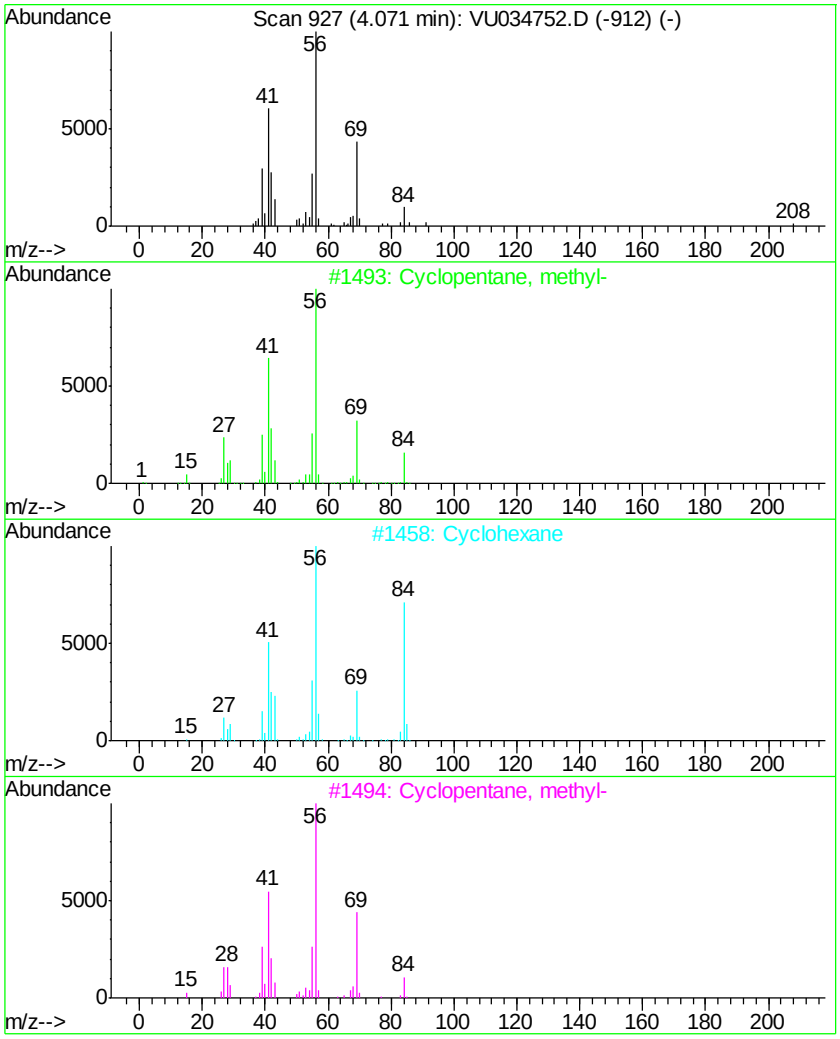
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

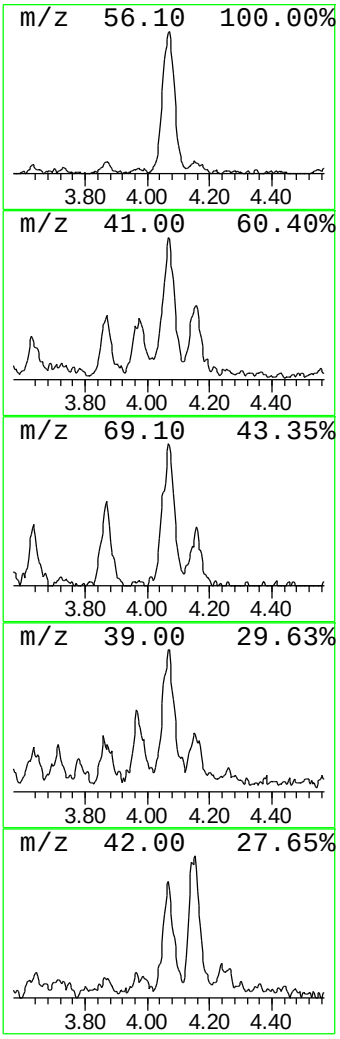
****

Peak Number 3 (DEL) Alkane: Cyclic4.07 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	3.98 ug/L	102808	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	74
4	Cyclohexane	84	C6H12	000110-82-7	72
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

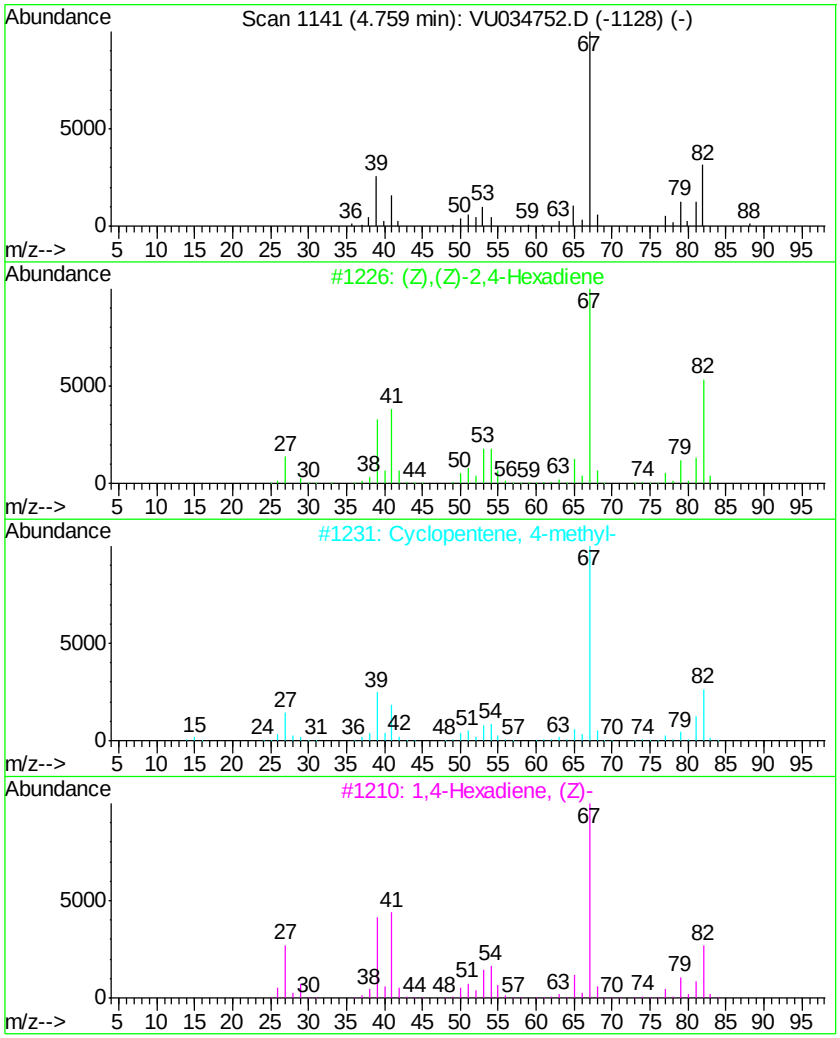
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

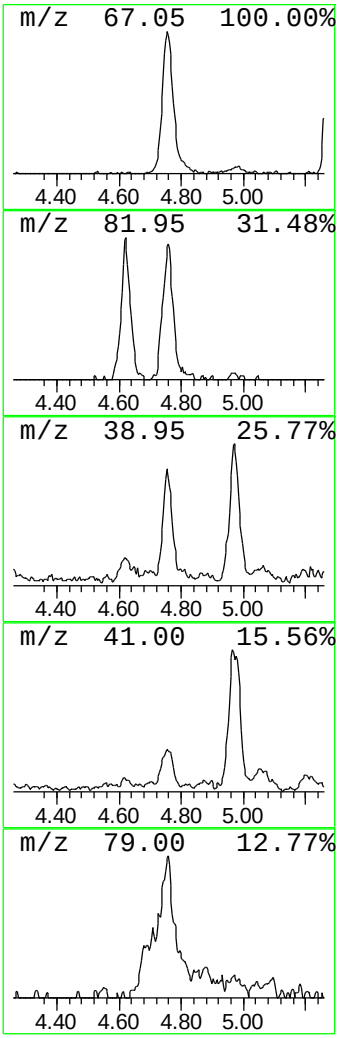
****

Peak Number 4 (Z),(Z)-2,4-Hexadiene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	3.52 ug/L	90883	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	83
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
3	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	83
4	2,4-Hexadiene	82	C6H10	000592-46-1	83
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	80





Library Search Compound Report

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Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

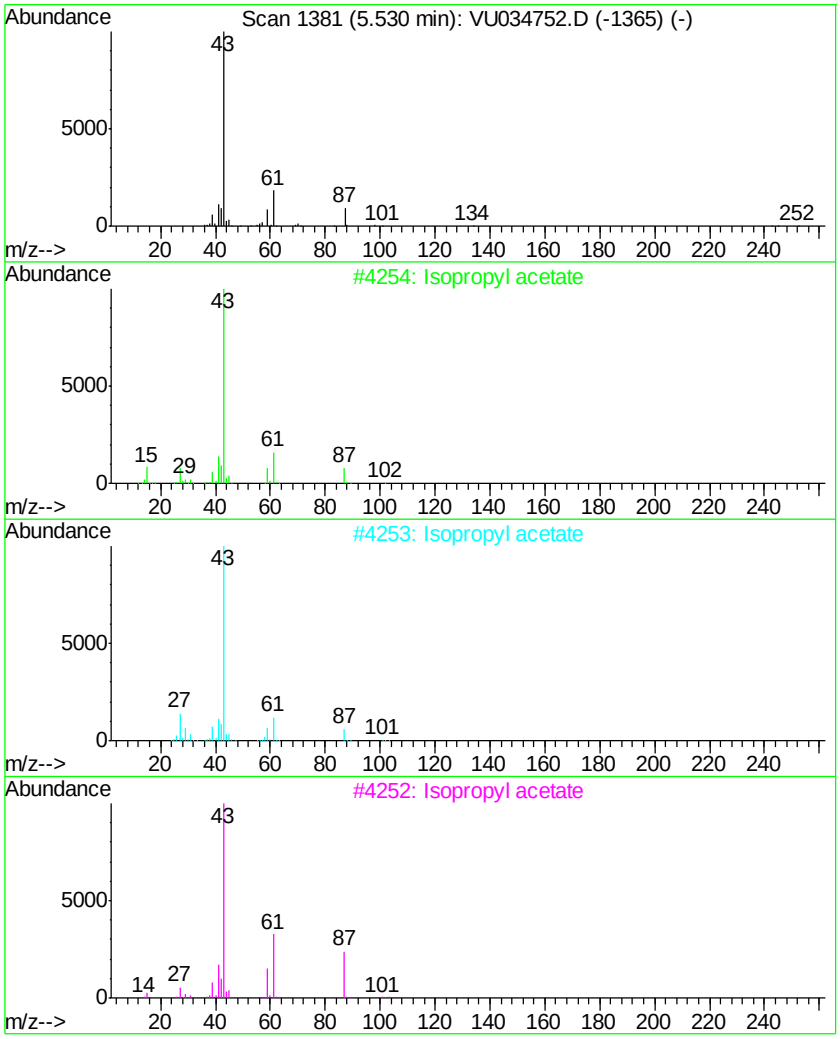
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

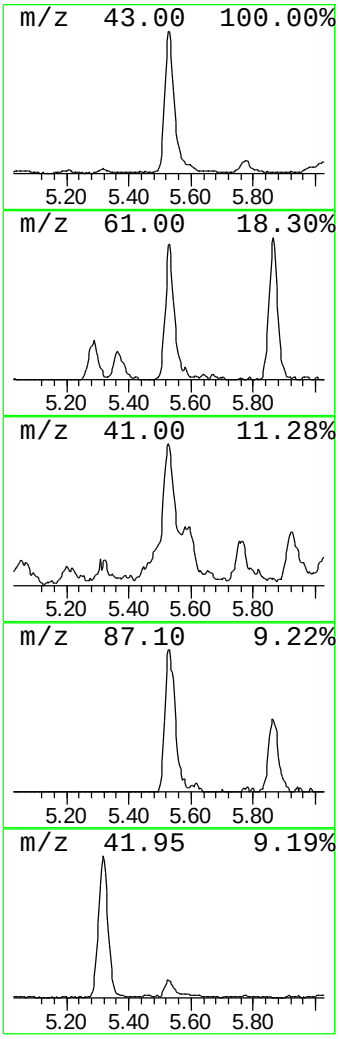
****

Peak Number 5 Isopropyl acetate Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.29 ug/L	188419	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	50
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Isopropyl acetate	102	C5H10O2	000108-21-4	50
5	n-Propyl acetate	102	C5H10O2	000109-60-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

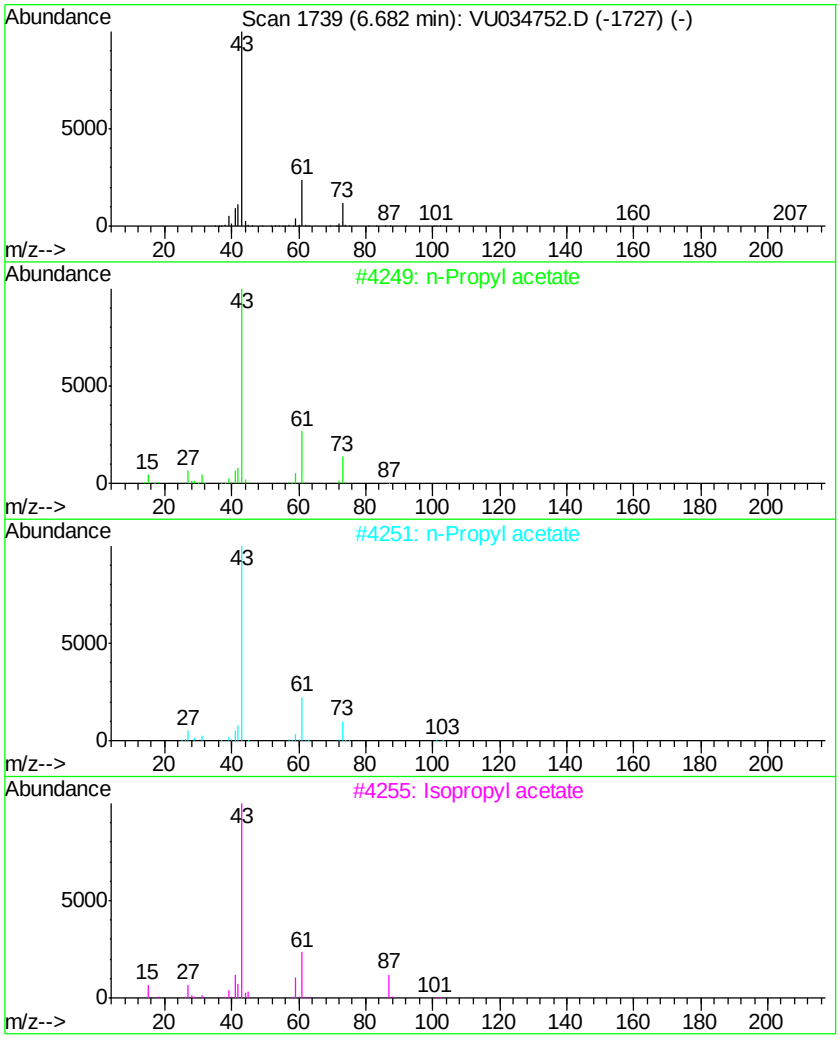
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

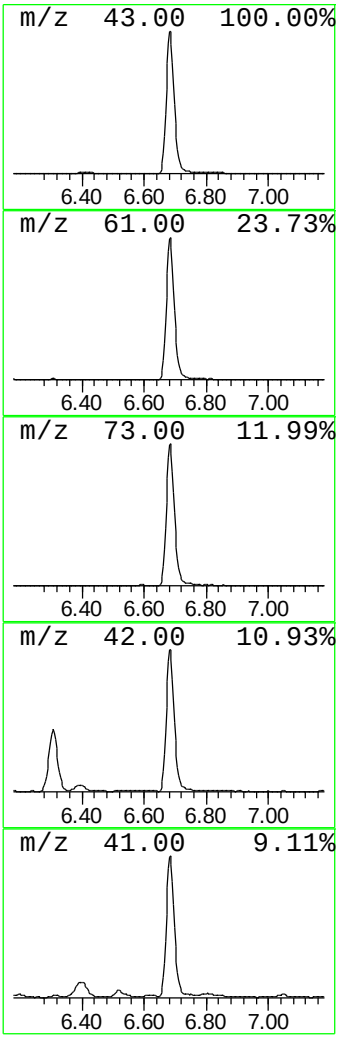
****

Peak Number 6 n-Propyl acetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	130.74 ug/L	3376800	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	Isopropyl acetate	102	C5H10O2	000108-21-4	38
4	n-Propyl acetate	102	C5H10O2	000109-60-4	38
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

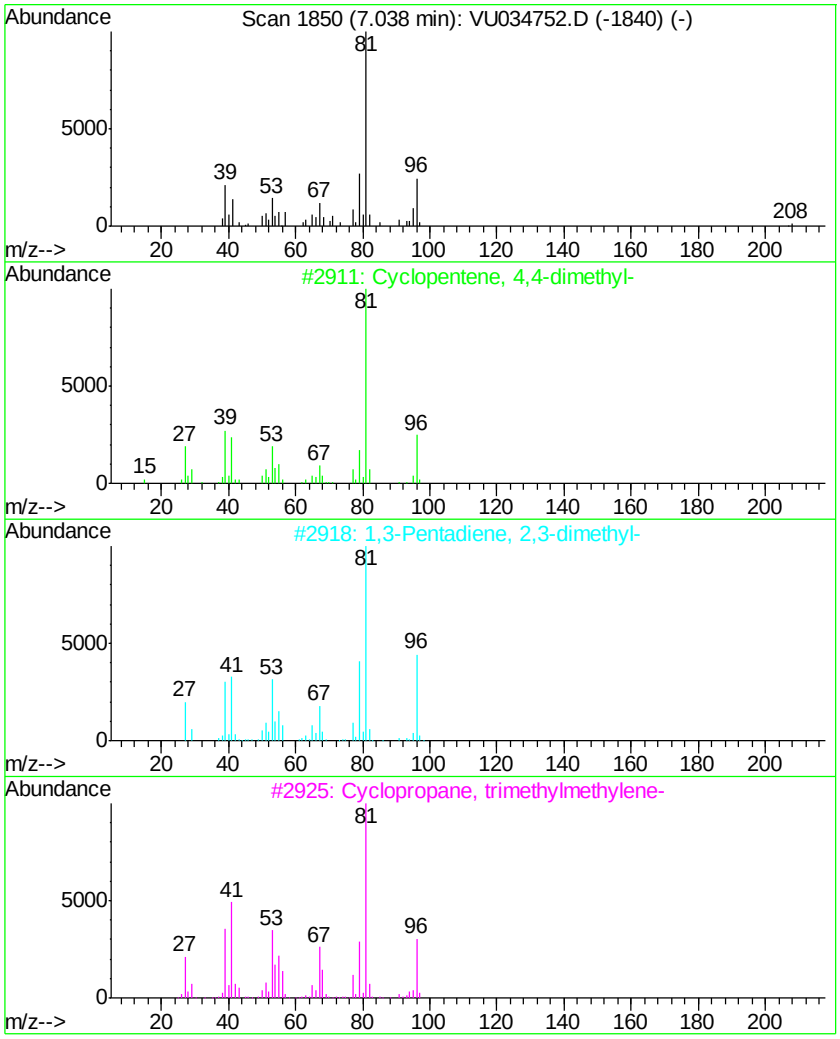
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

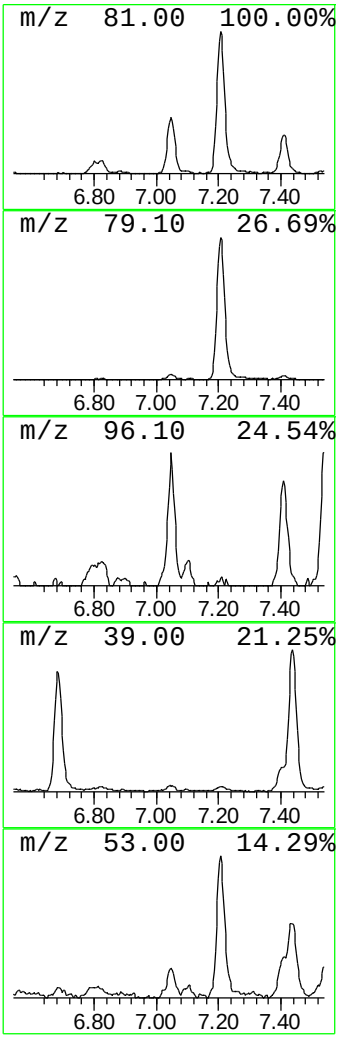
****

Peak Number 7 Cyclopentene, 4,4-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	2.92 ug/L	75377	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	90
2	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	90
3	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	90
4	2-Pentyne, 4,4-dimethyl-	96	C7H12	000999-78-0	87
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

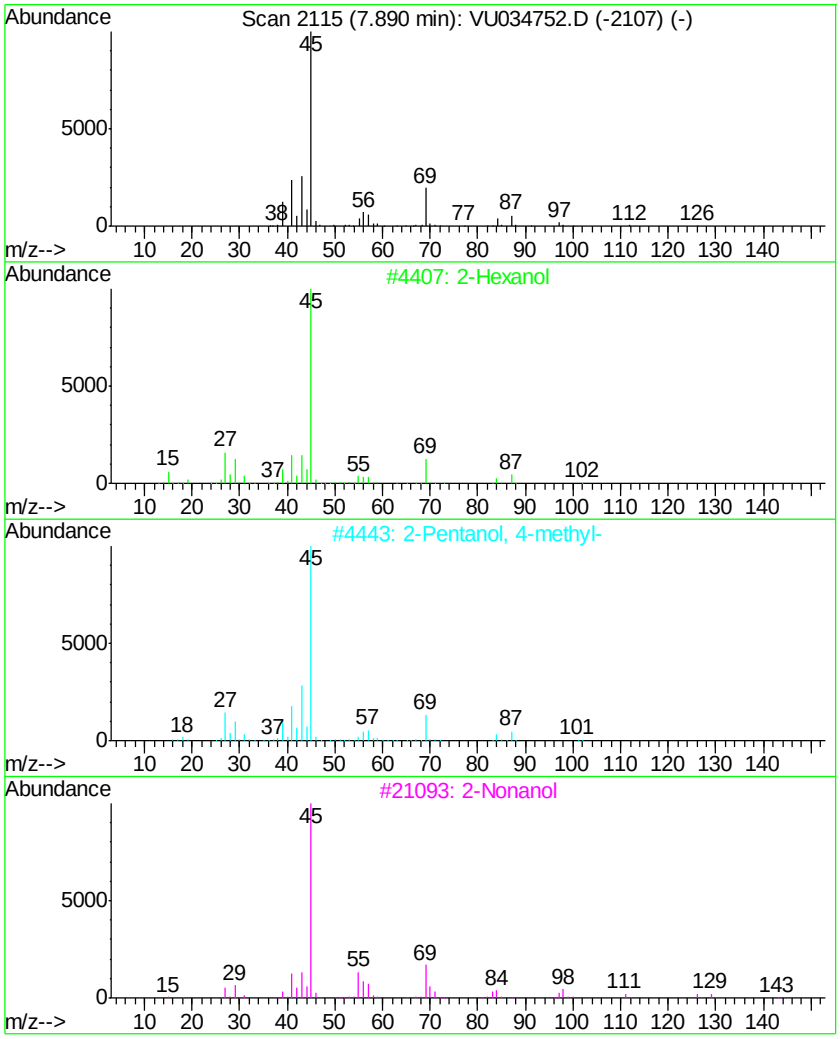
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

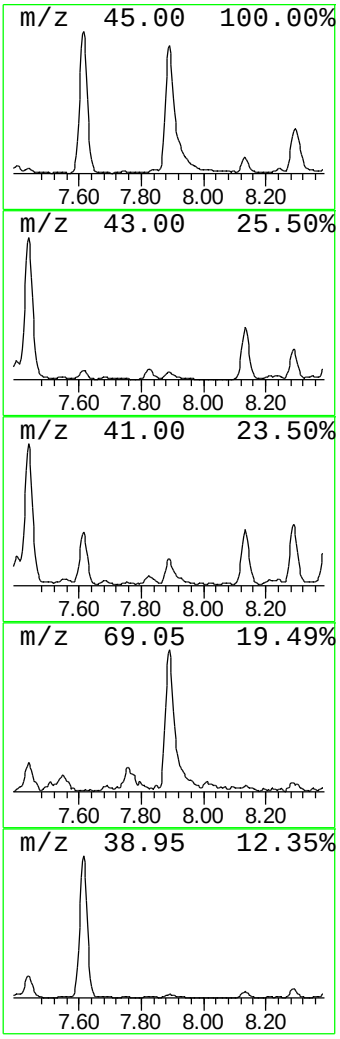
****

Peak Number 9 2-Hexanol Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	11.76 ug/L	402193	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Nonanol	144	C9H20O	000628-99-9	78
4	2-Hexanol	102	C6H14O	000626-93-7	78
5	2-Hexanol	102	C6H14O	000626-93-7	78





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

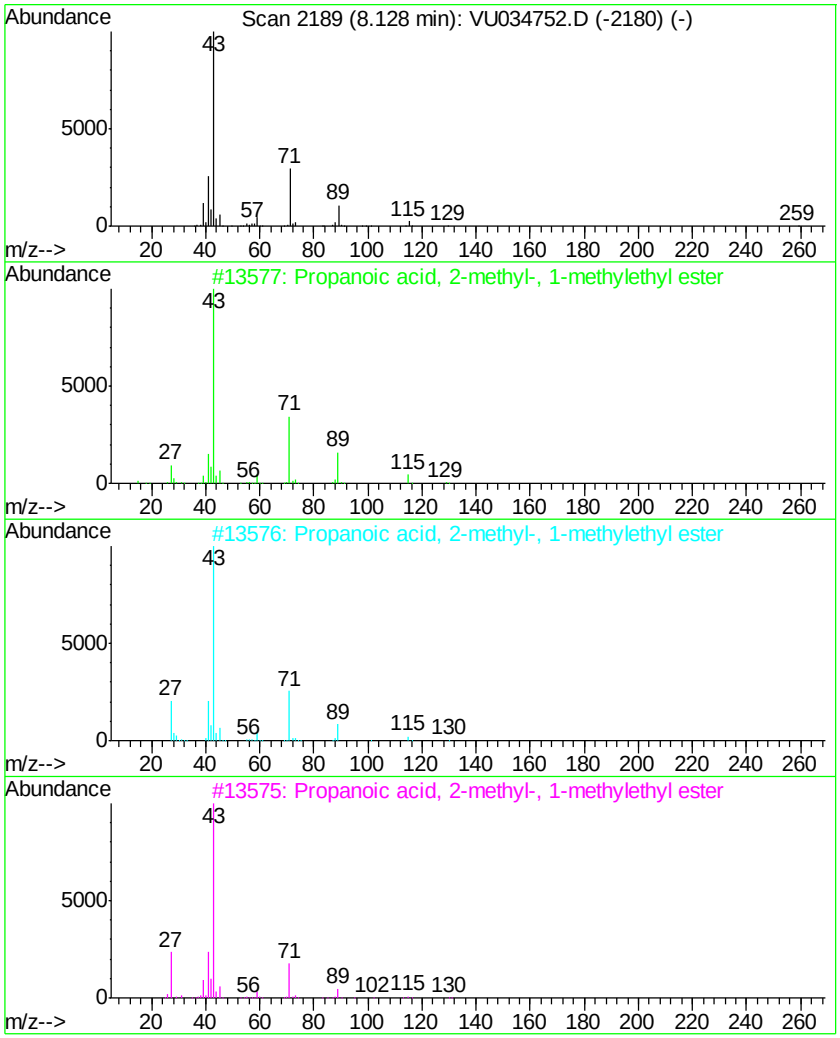
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

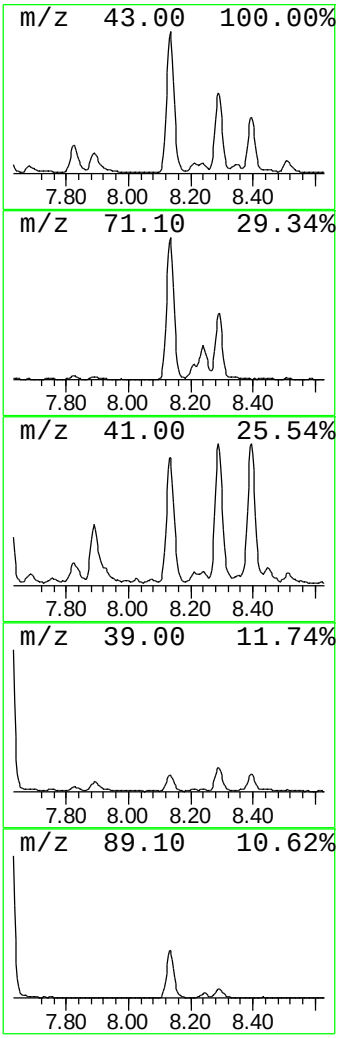
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Propanoic acid, 2-methyl-, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	15.74 ug/L	538313	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	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	38
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	33





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

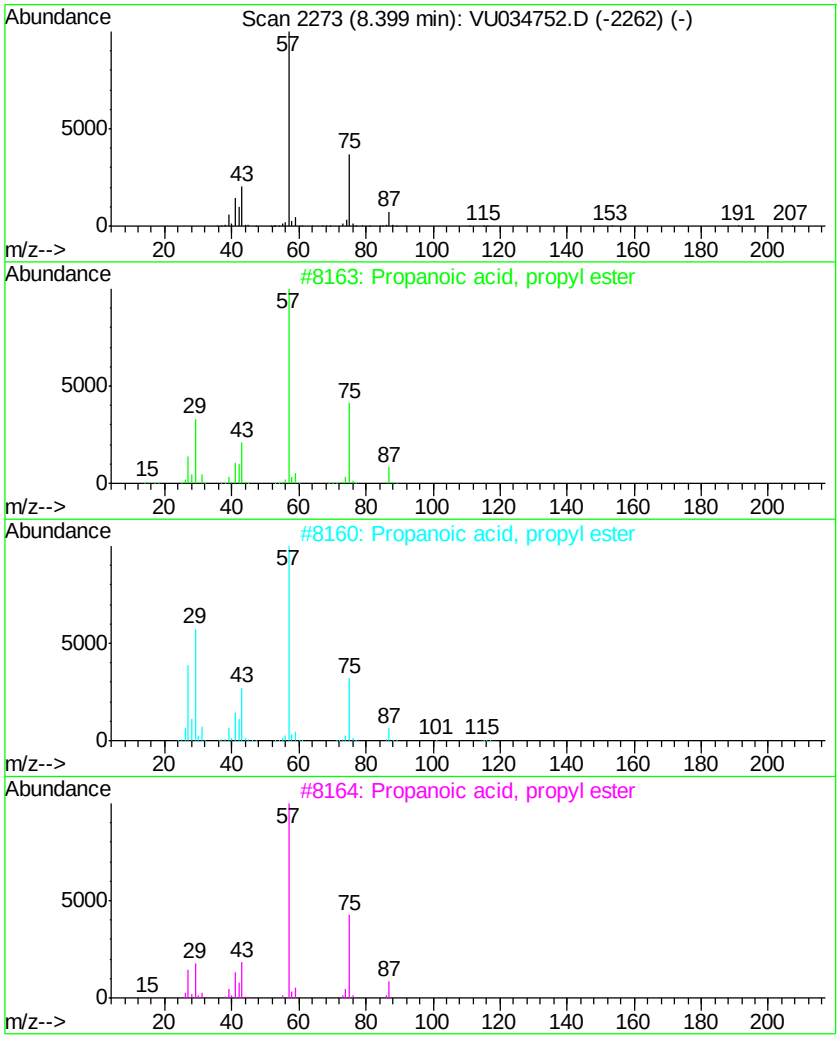
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

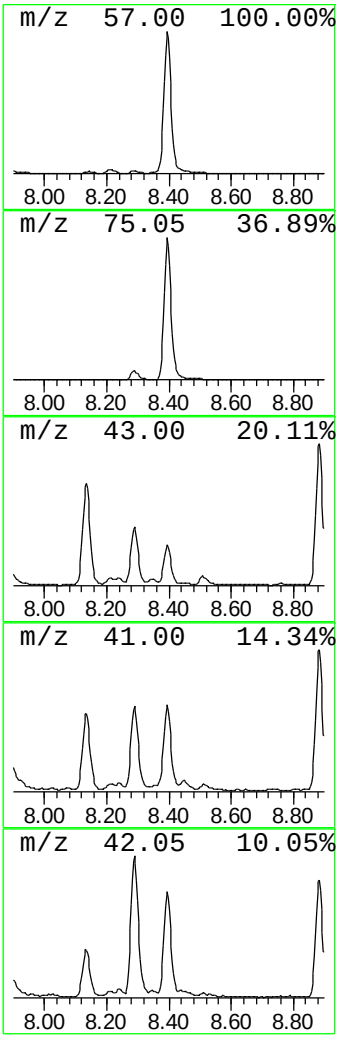
****

Peak Number 11 Propanoic acid, propyl ester Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	25.86 ug/L	884317	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	64
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





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Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

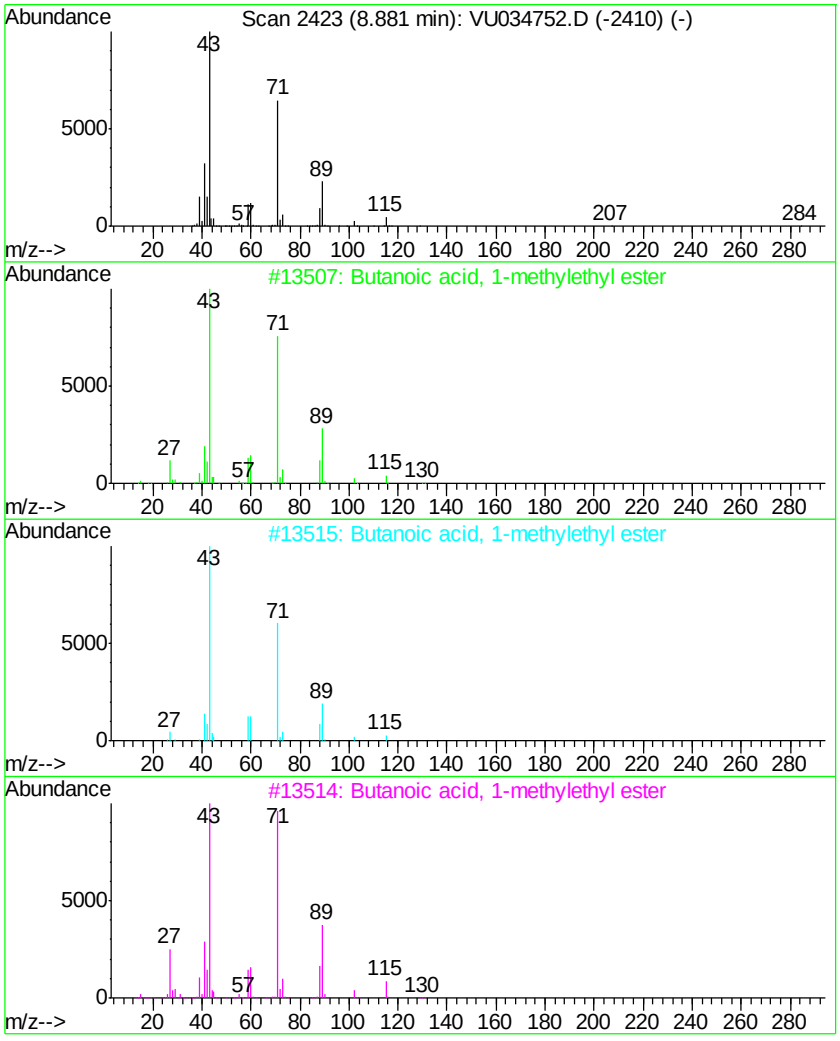
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

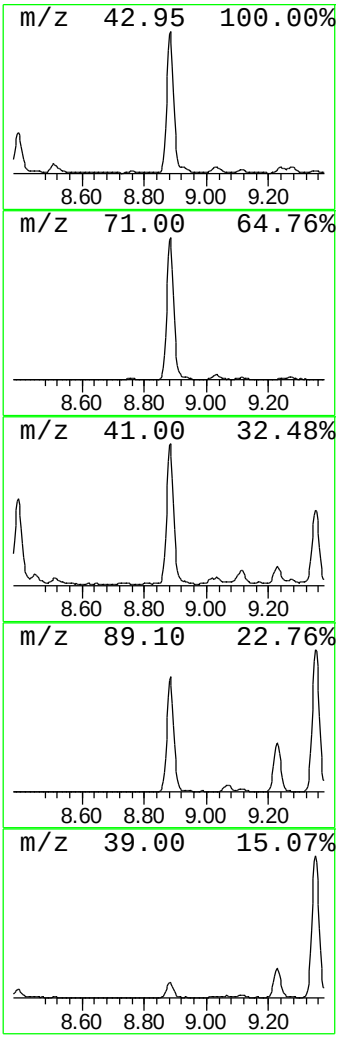
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Butanoic acid, 1-methylethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	30.86 ug/L	1055210	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	86
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

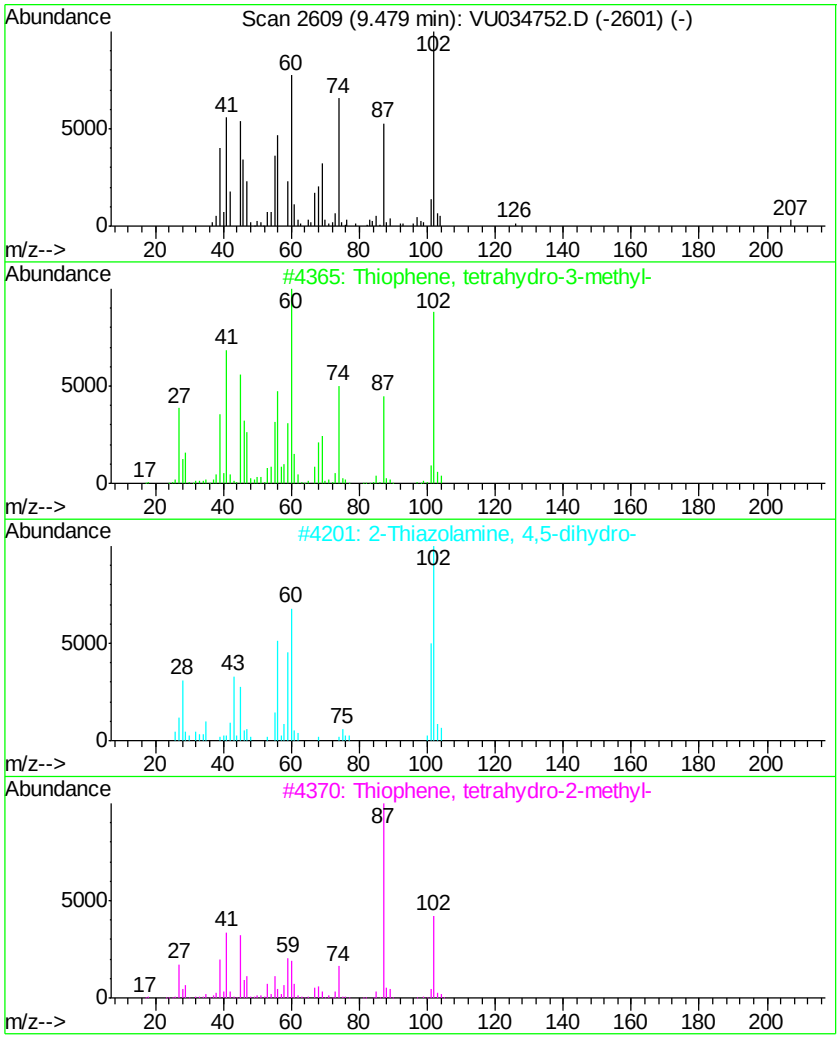
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

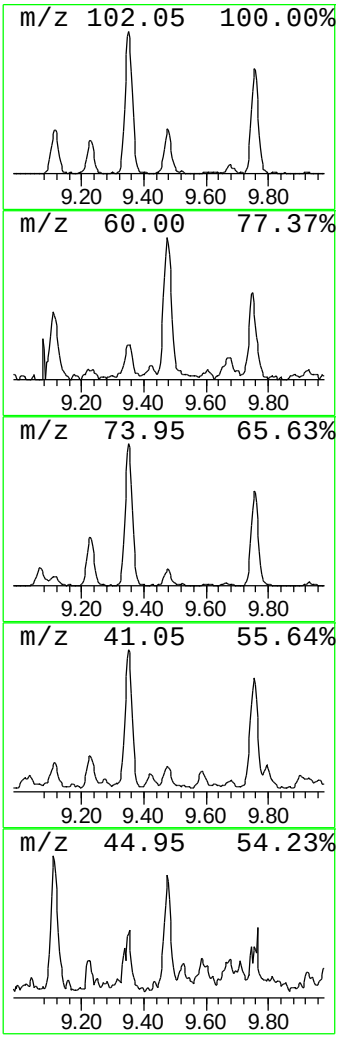
****

Peak Number 13 Thiophene, tetrahydro-3-met... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	2.87 ug/L	98060	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	90
2	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	46
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	38
4	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	35
5	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	32





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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

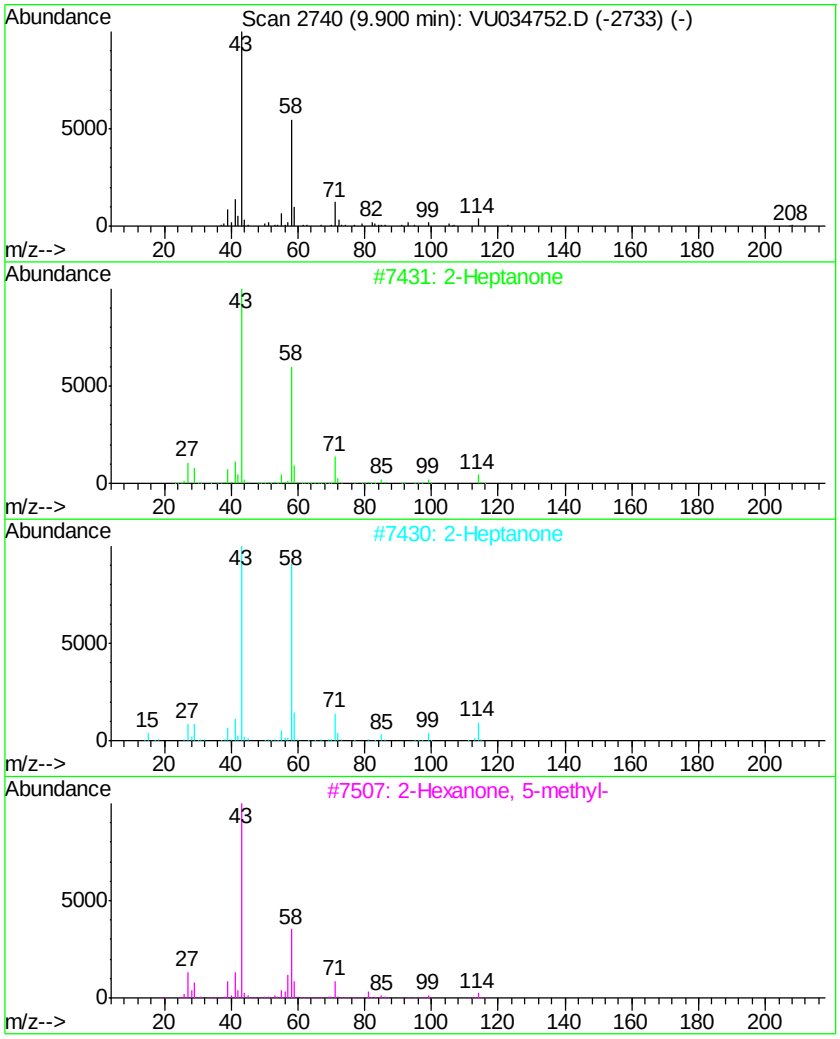
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

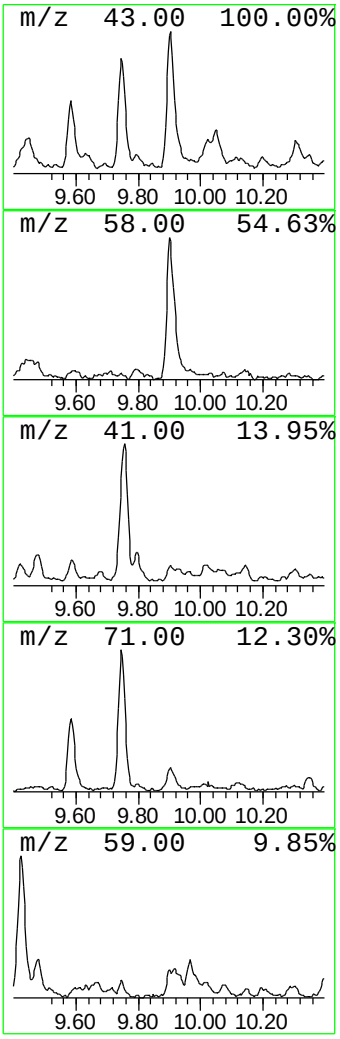
****

Peak Number 14 2-Heptanone Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.87 ug/L	132381	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	72
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	59
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	59





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Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

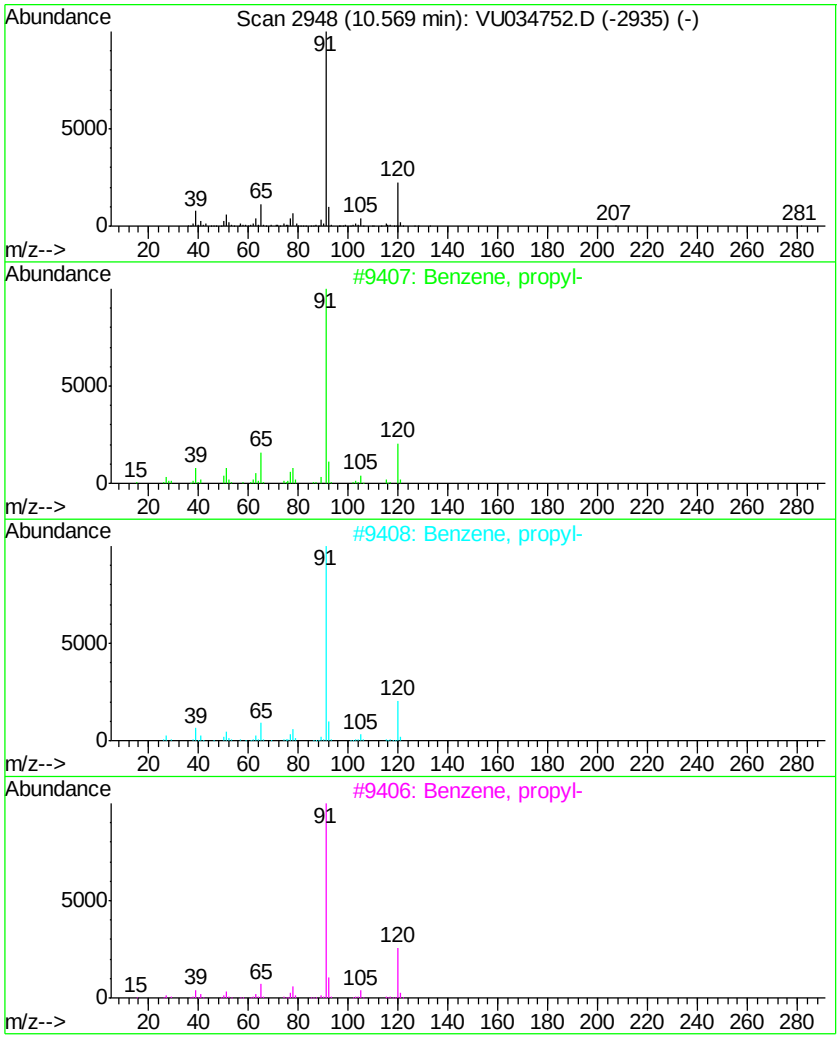
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

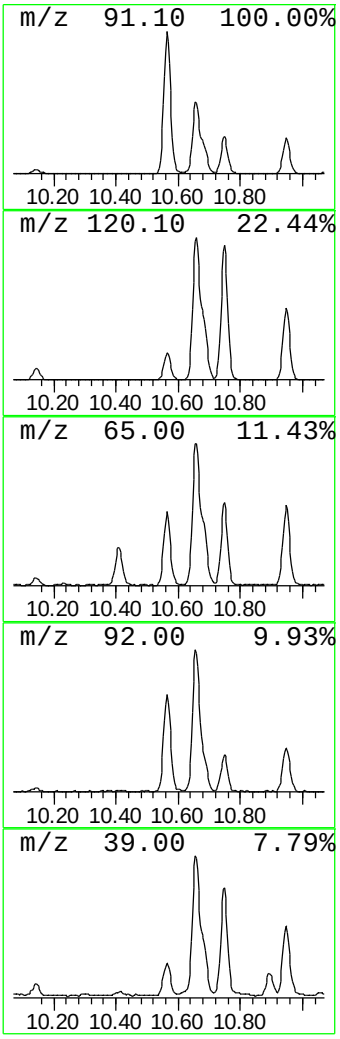
****

Peak Number 15 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	19.66 ug/L	687736	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	86
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

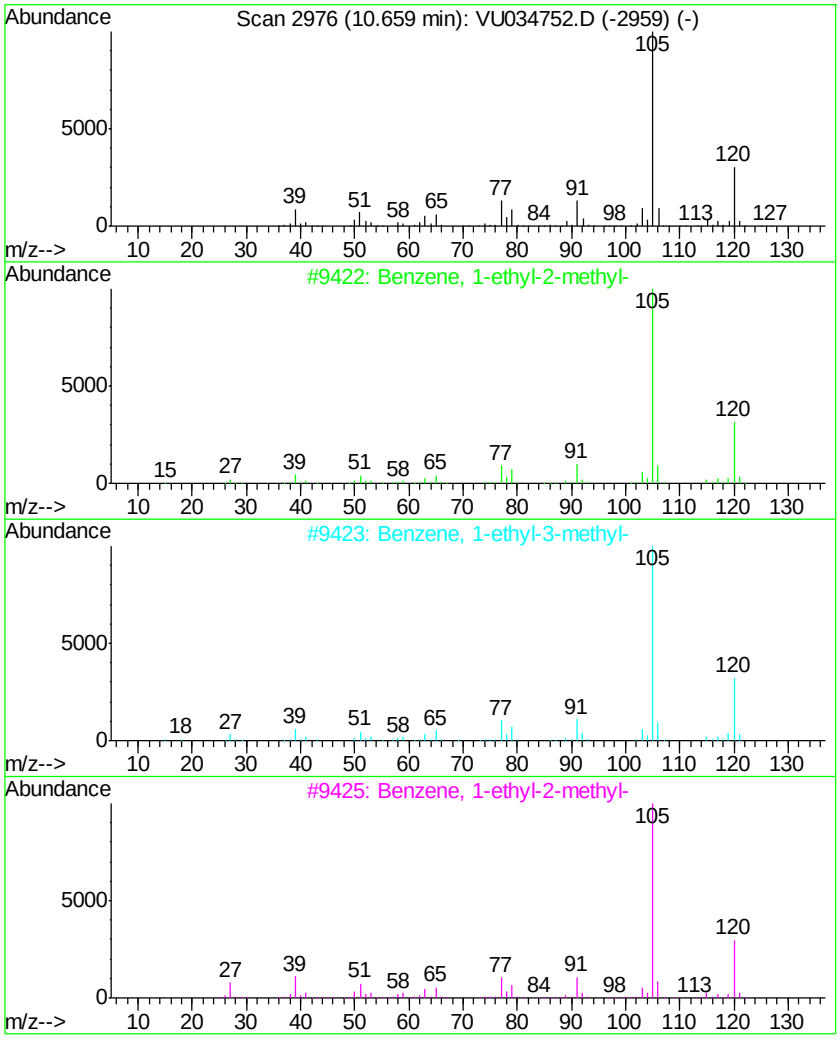
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

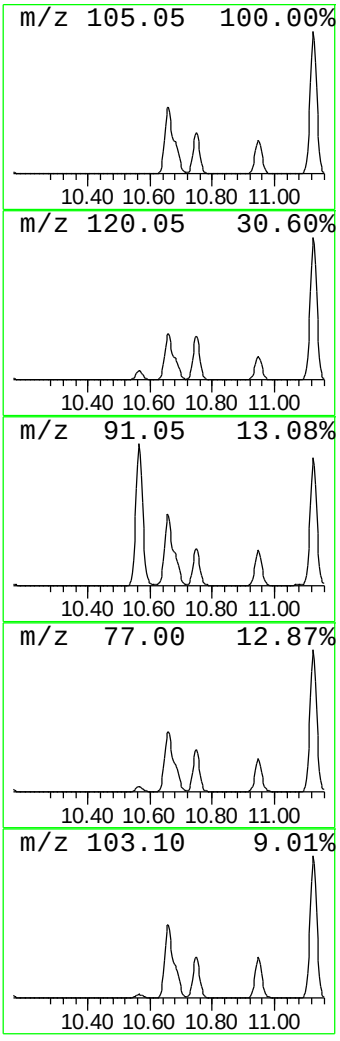
****

Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	116.11 ug/L	4062730	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





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Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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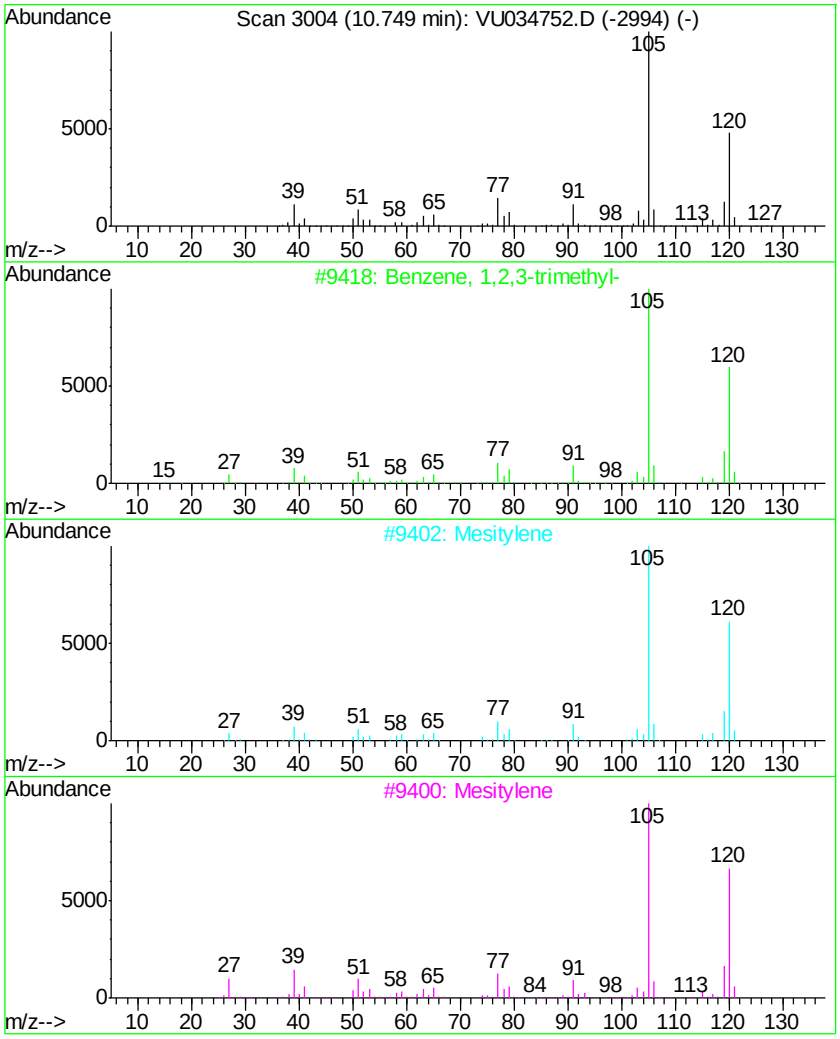
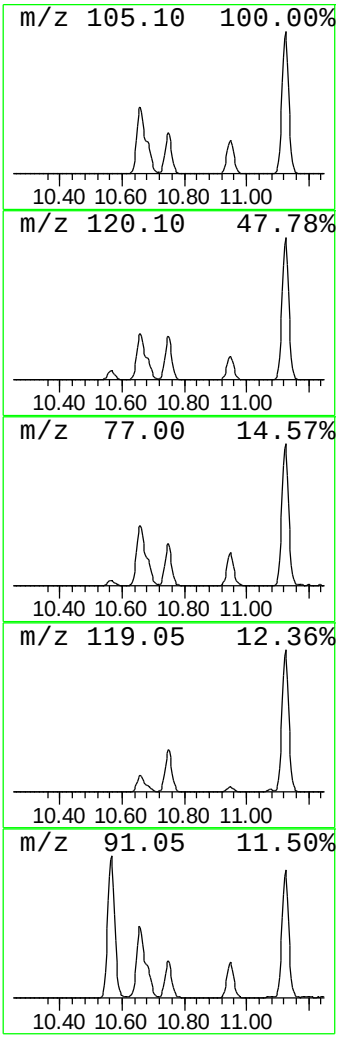
Peak Number 17 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	57.52 ug/L	2012620	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	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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 4-Octanone, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	9.13 ug/L	319442	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	90
3	5-Nonanone	142	C9H18O	000502-56-7	64
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
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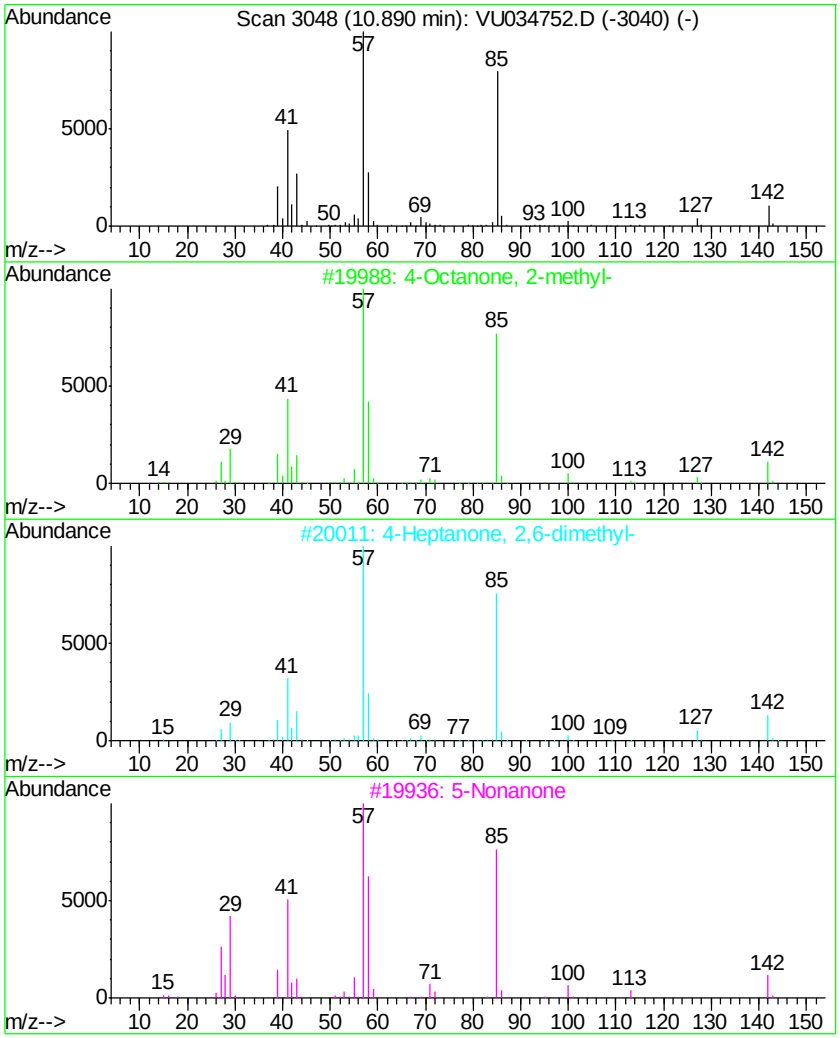

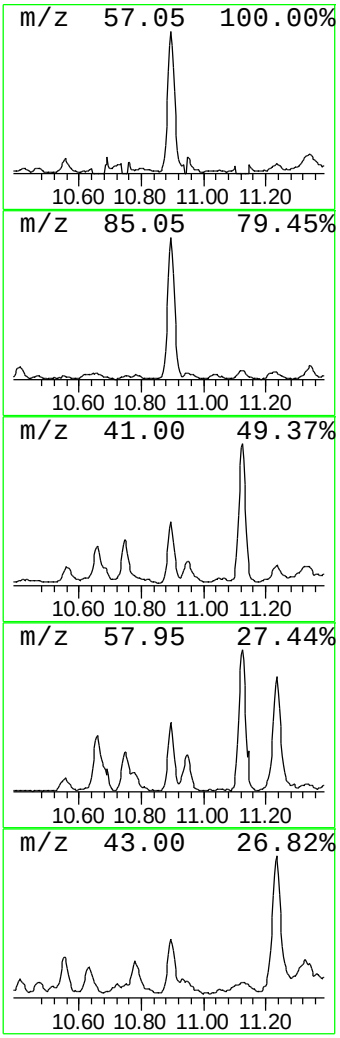

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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

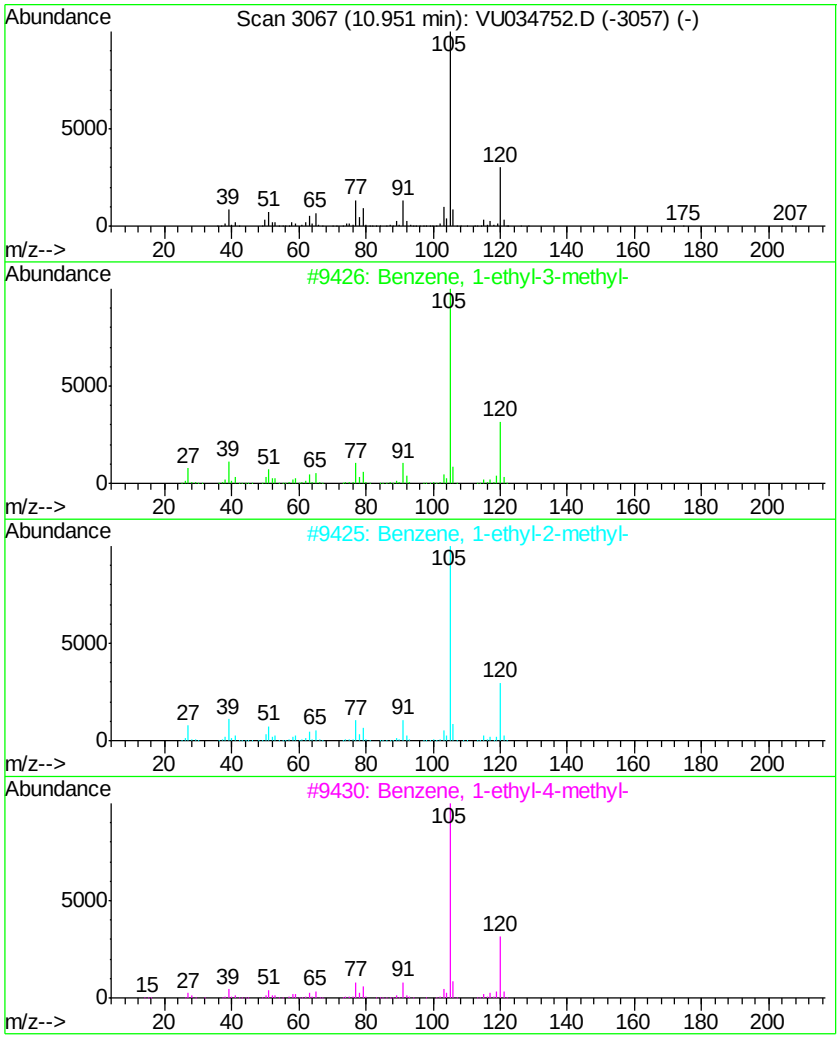
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

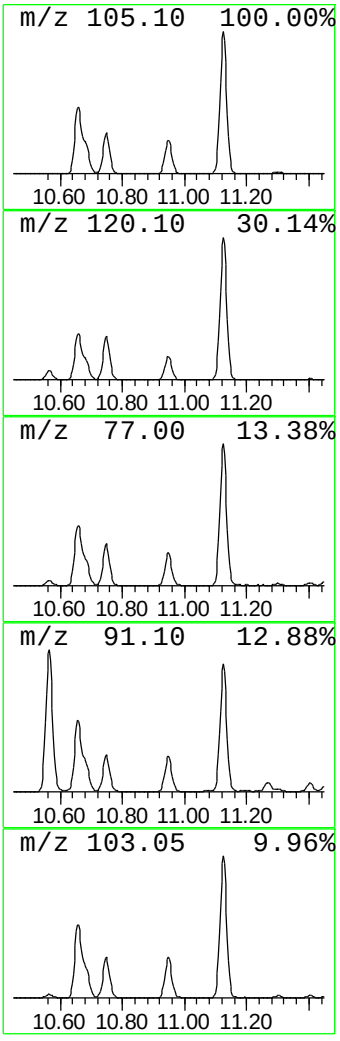
****

Peak Number 19 Benzene, 1-ethyl-3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	46.29 ug/L	1619500	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

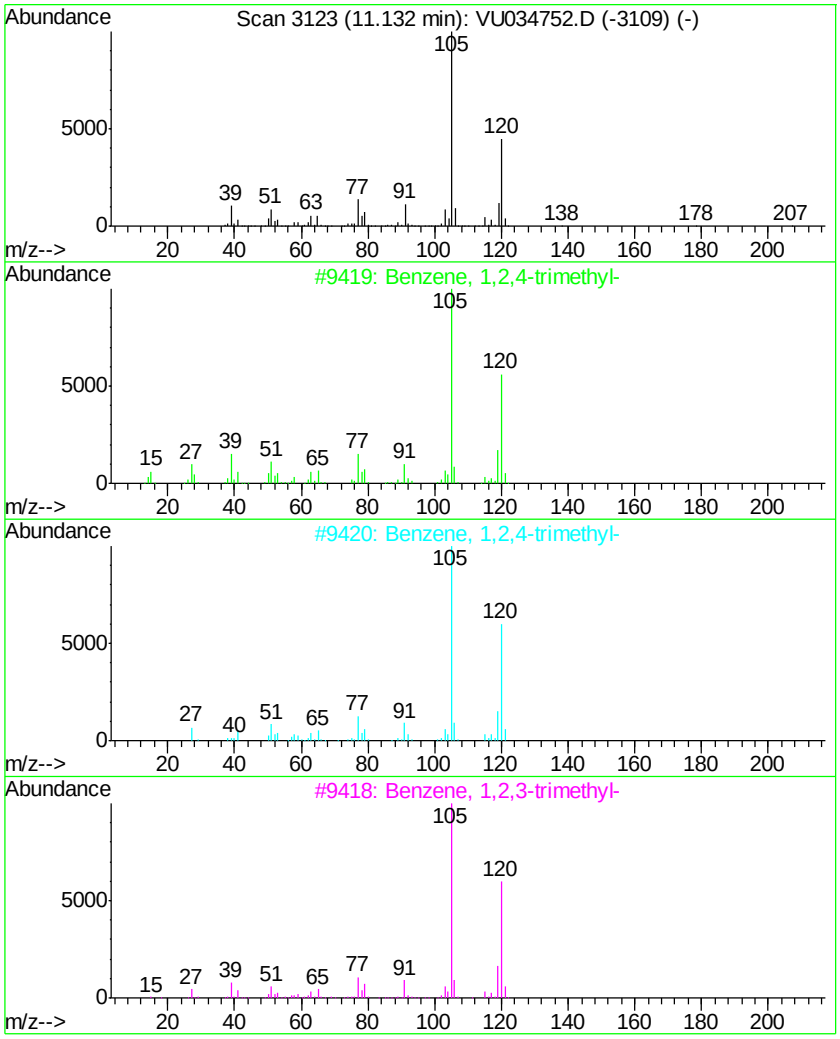
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

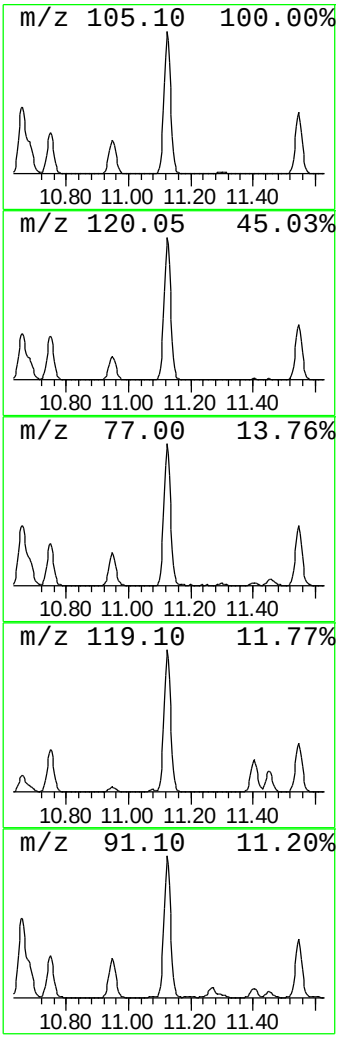
****

Peak Number 20 Benzene, 1,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	196.03 ug/L	6858830	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

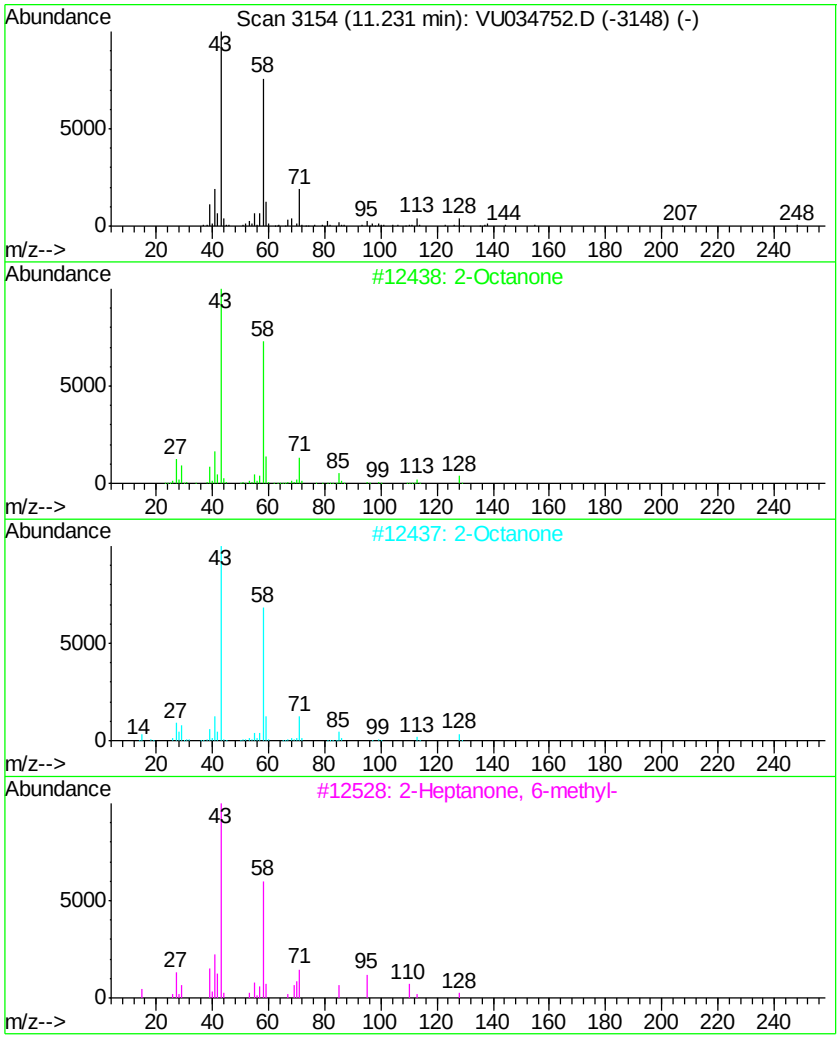
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

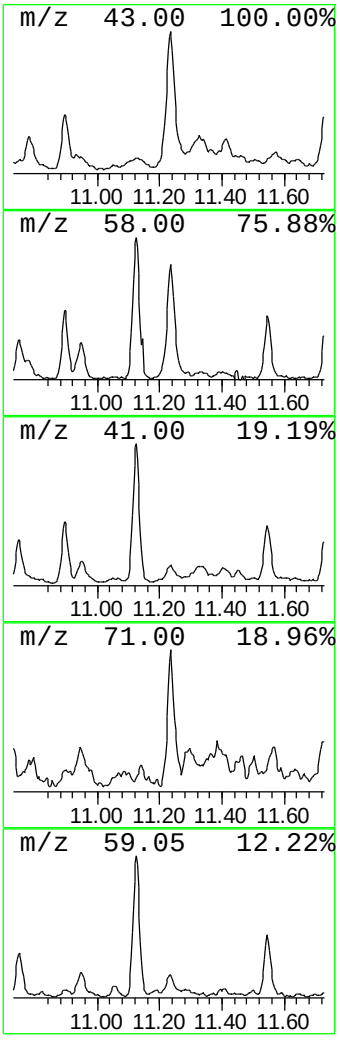
****

Peak Number 21 2-Octanone Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	4.42 ug/L	154584	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	80
3	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	78
4	2-Octanone	128	C8H16O	000111-13-7	78
5	2-Octanone	128	C8H16O	000111-13-7	72





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

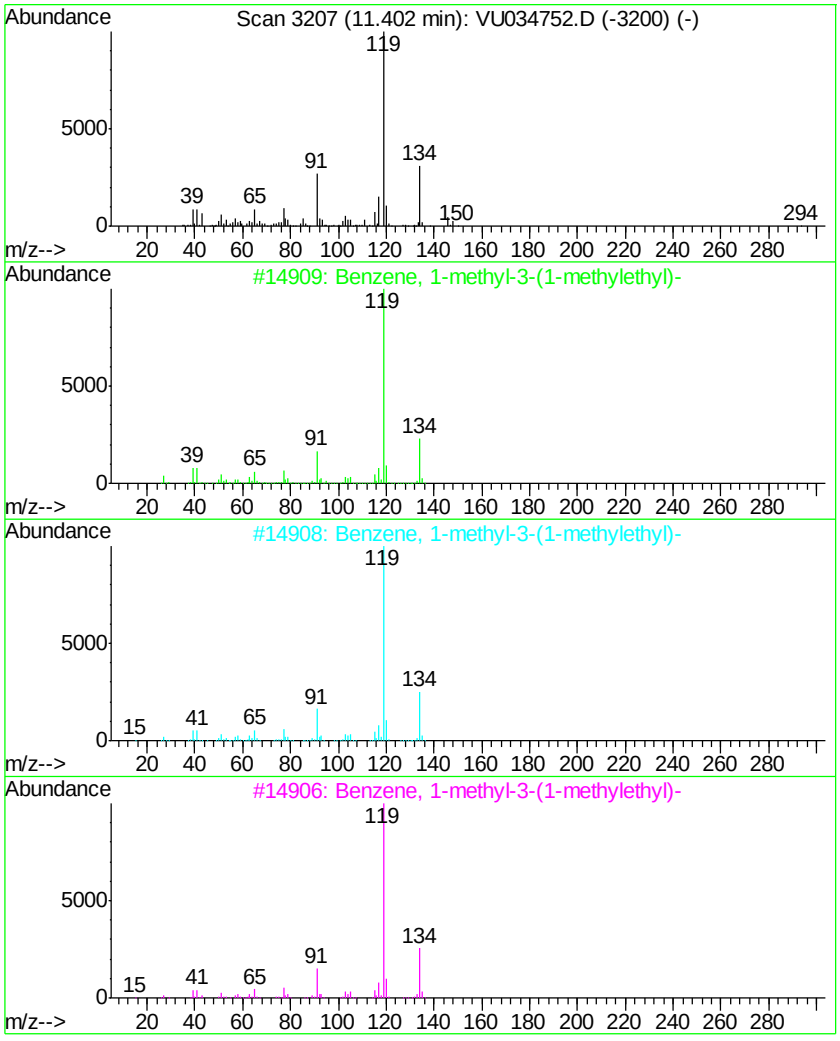
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

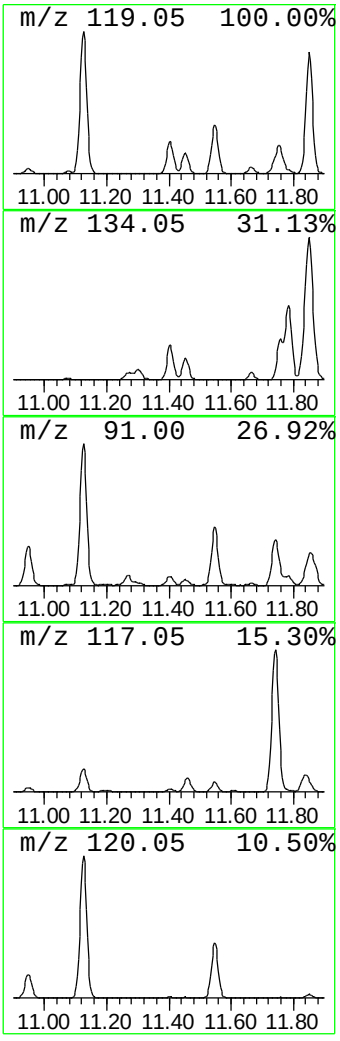
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-methyl-3-(1-meth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	5.44 ug/L	190397	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
4	p-Cymene	134	C10H14	000099-87-6	87
5	o-Cymene	134	C10H14	000527-84-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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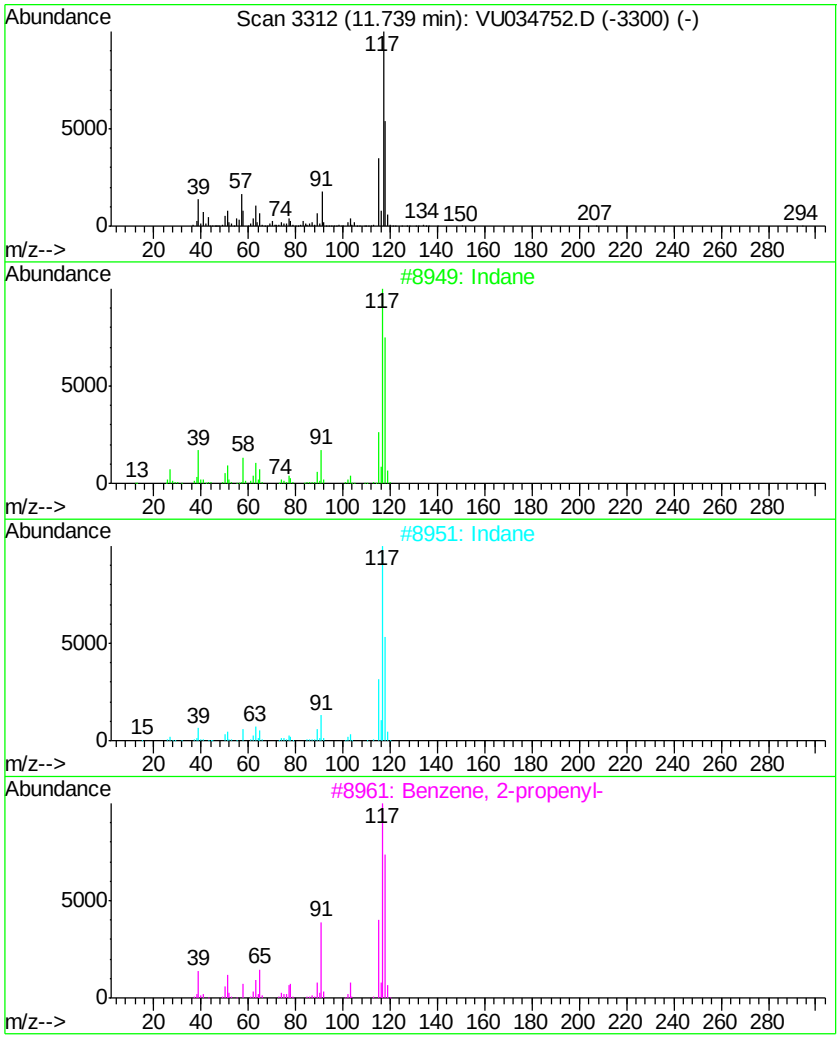
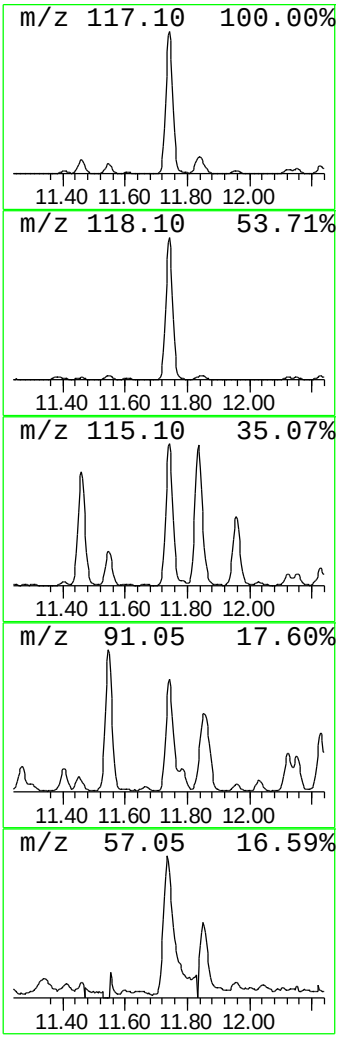
Peak Number 24 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	62.98 ug/L	2203540	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	91
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

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

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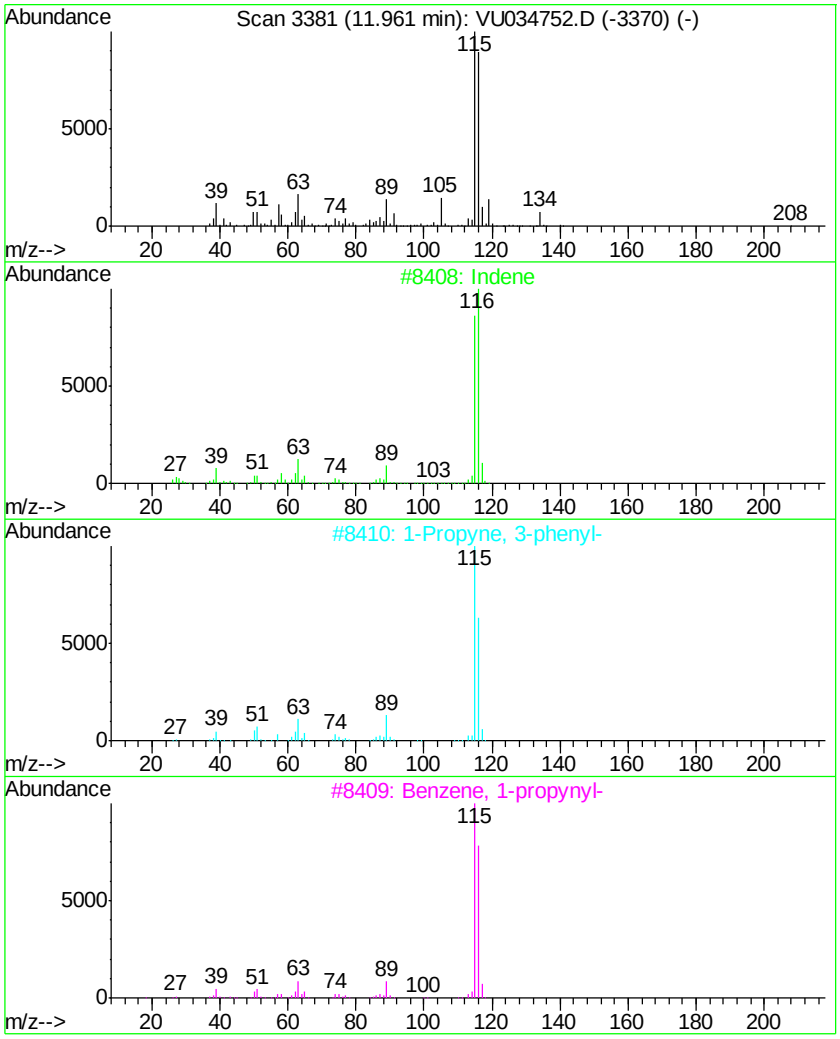
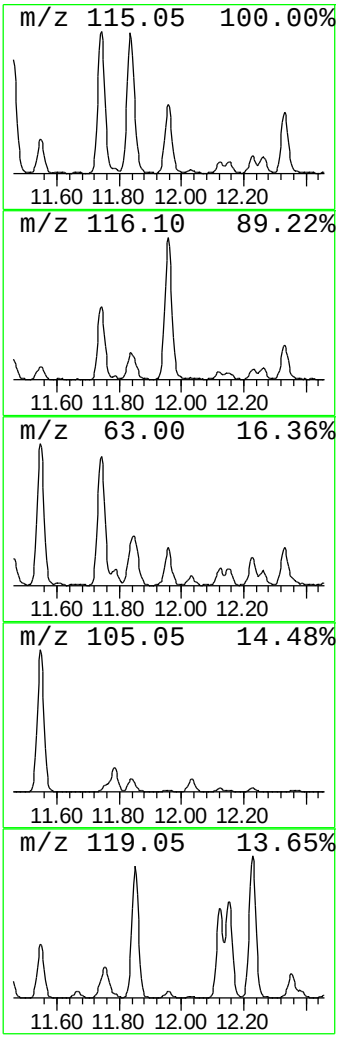
Peak Number 25 Indene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	10.79 ug/L	377462	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	93
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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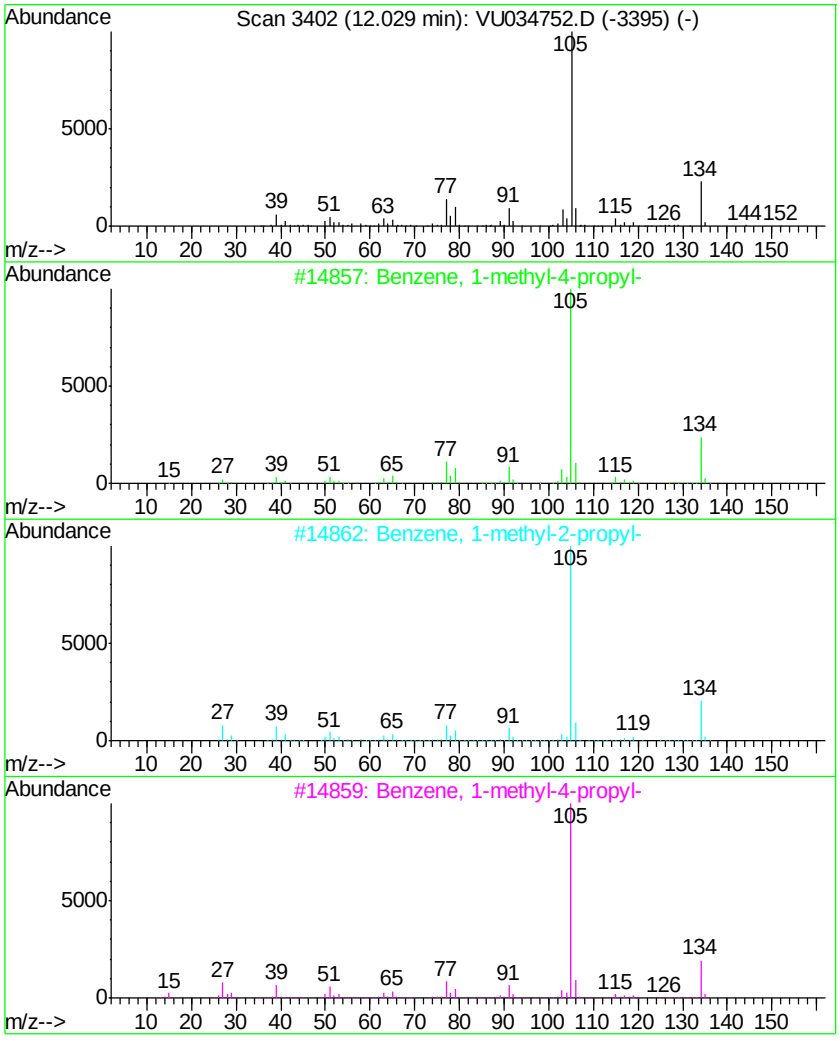
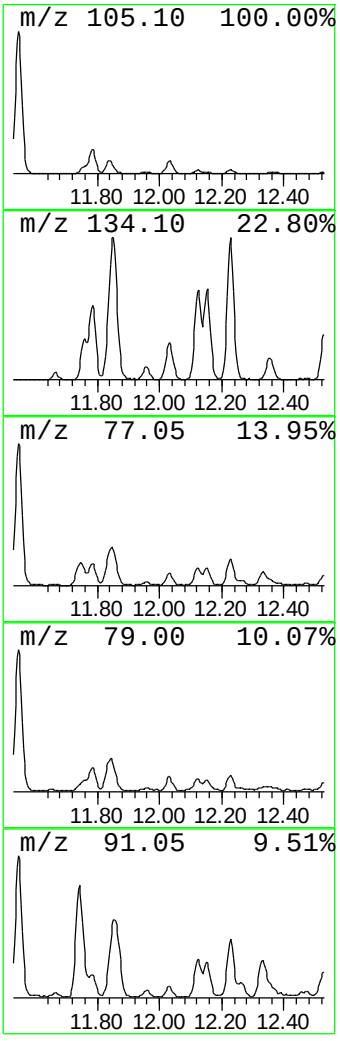
Peak Number 26 Benzene, 1-methyl-4-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.62 ug/L	231767	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	94
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





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Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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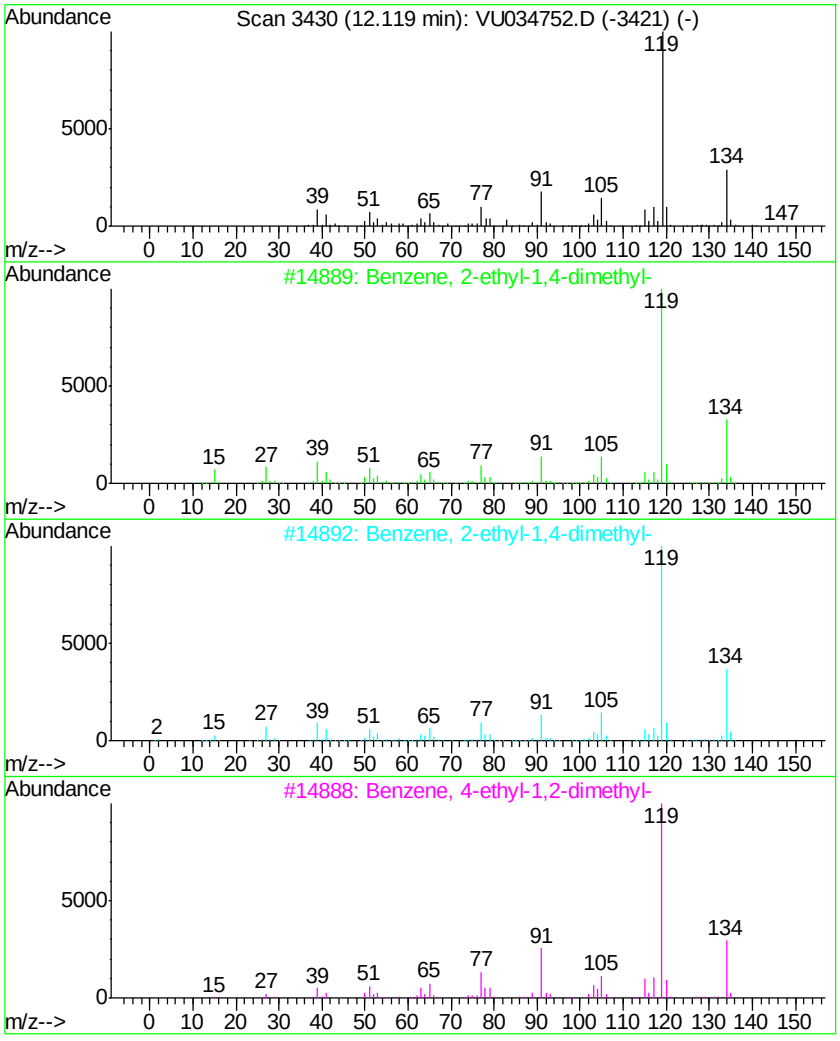
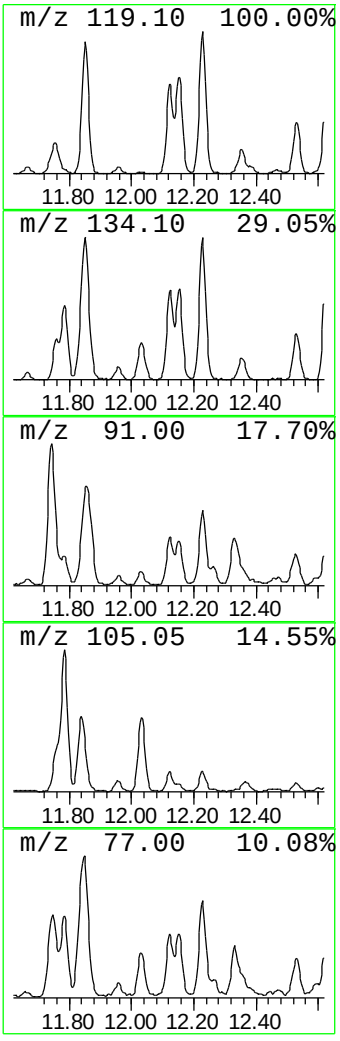
Peak Number 27 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	13.99 ug/L	489397	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	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

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

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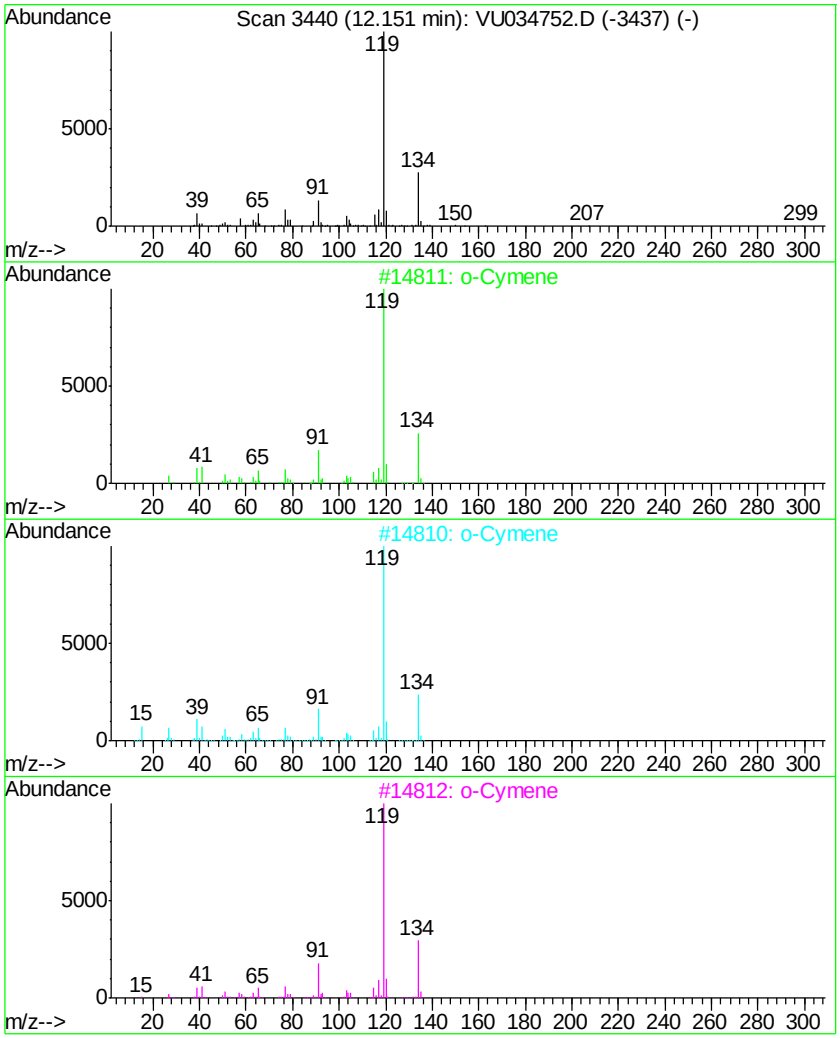
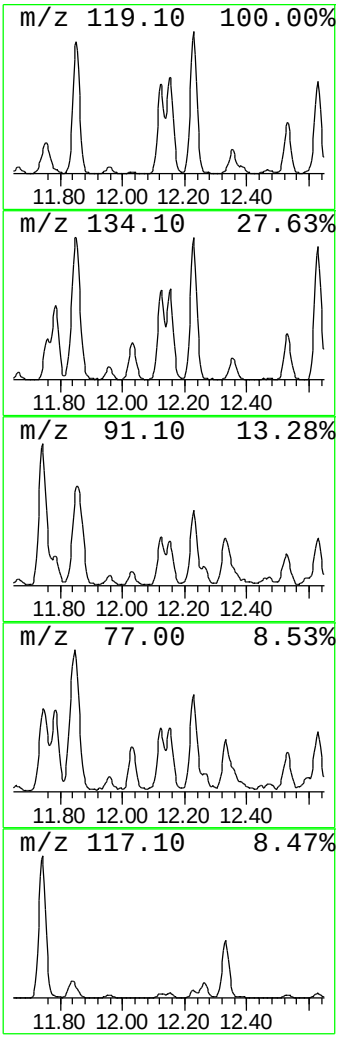
Peak Number 28 o-Cymene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	10.62 ug/L	371523	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

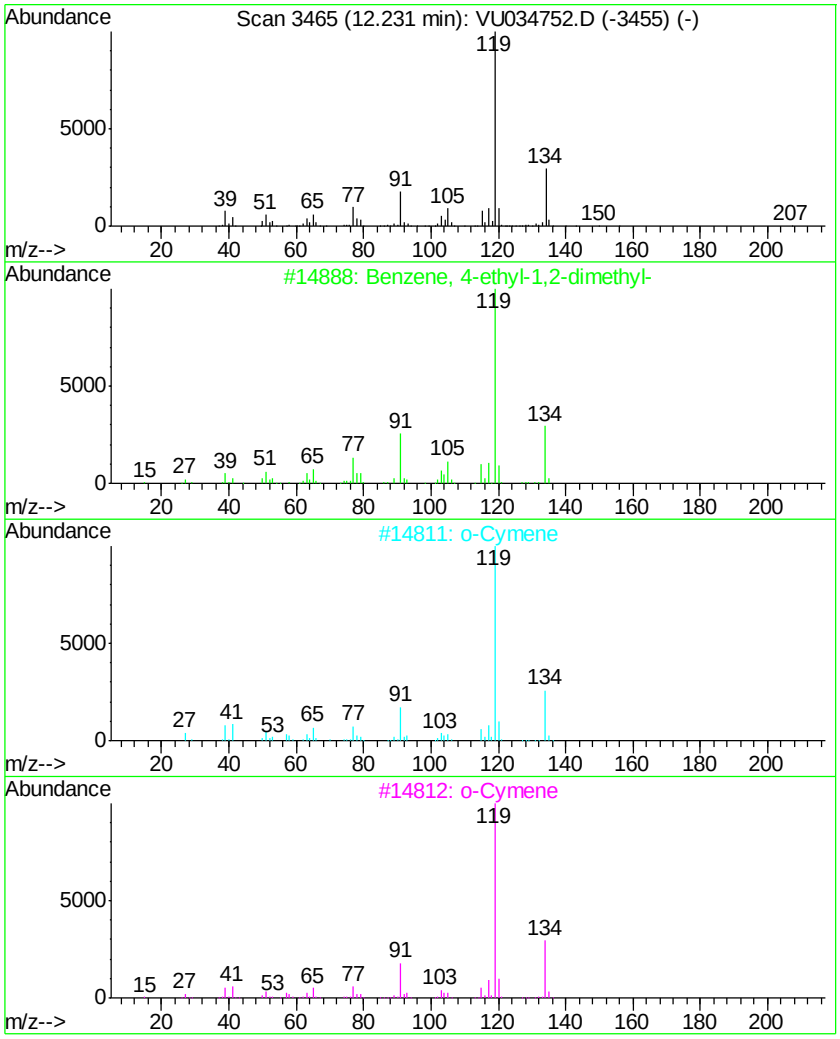
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

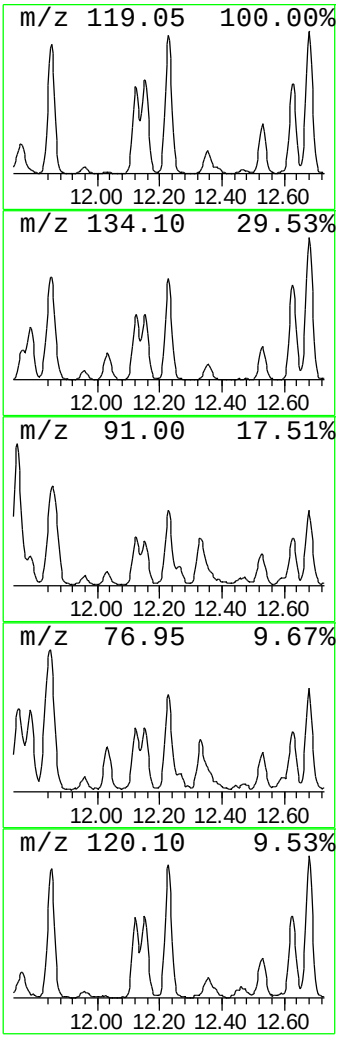
****

Peak Number 29 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	19.36 ug/L	677236	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

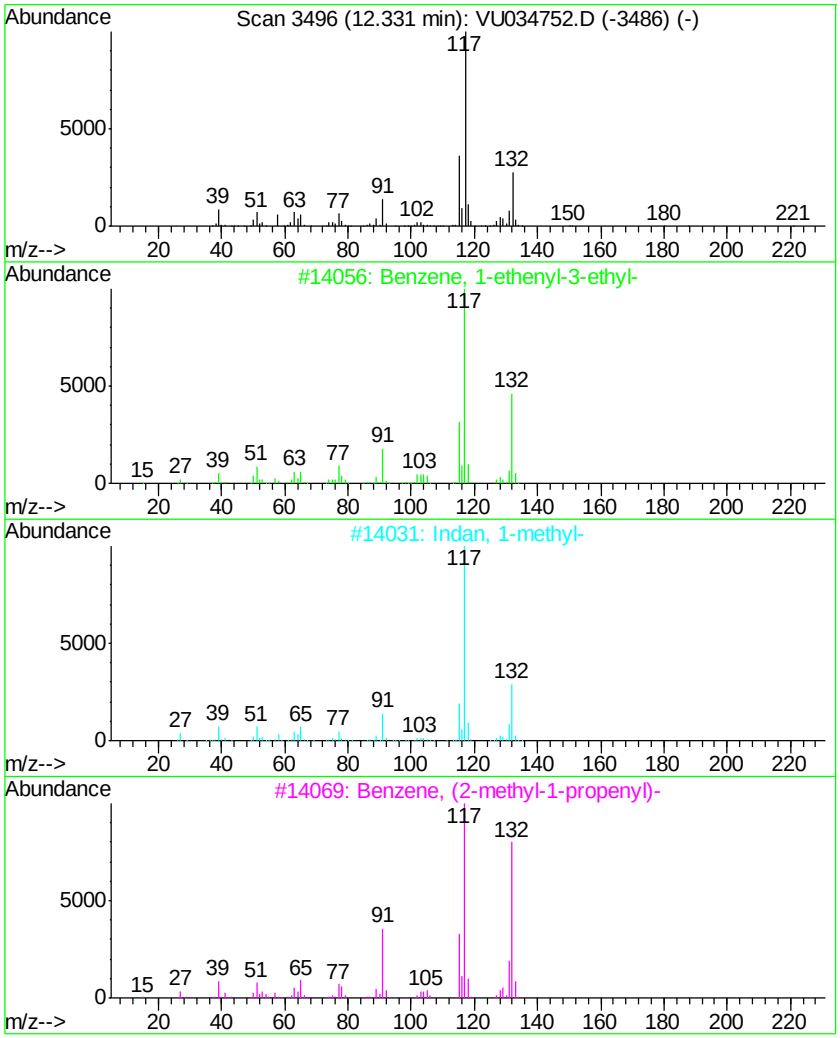
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

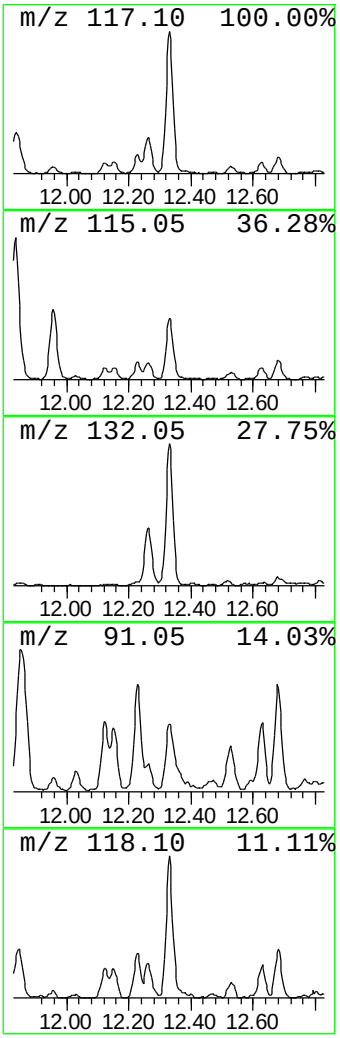
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	23.27 ug/L	814339	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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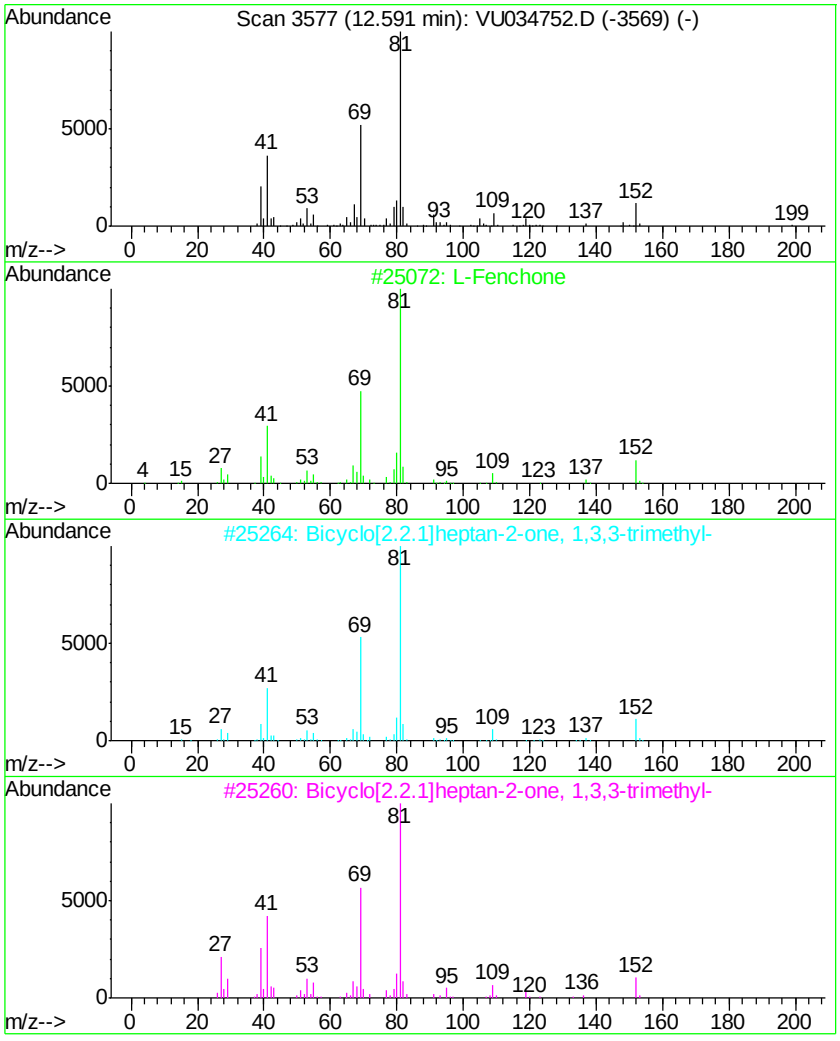
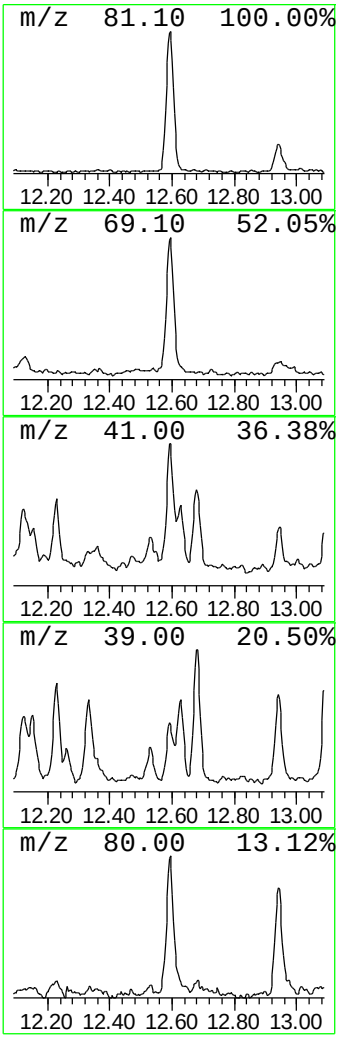
Peak Number 32 L-Fenchone Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.31 ug/L	220629	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	90
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	87
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	87
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

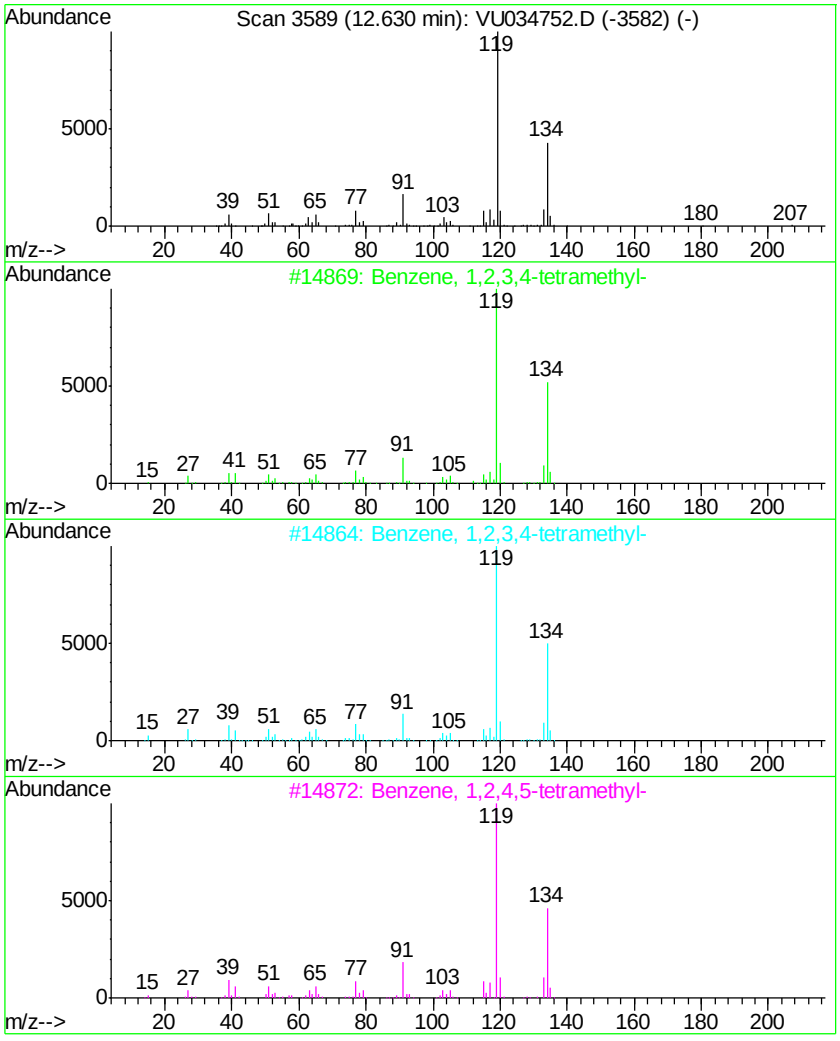
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

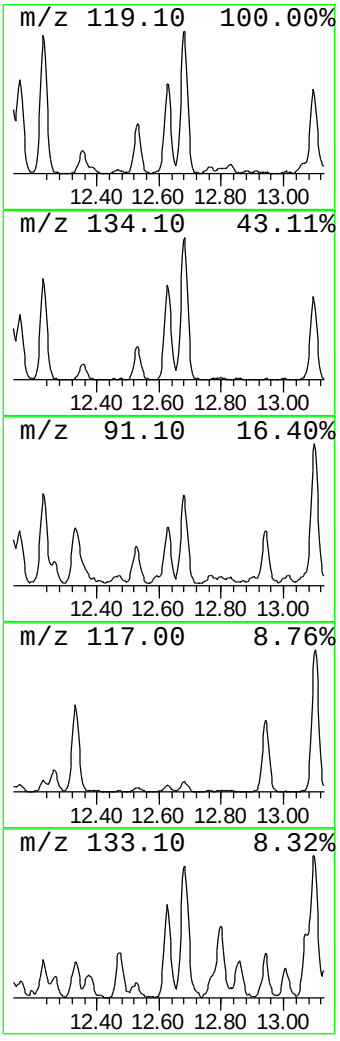
****

Peak Number 33 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	13.55 ug/L	473943	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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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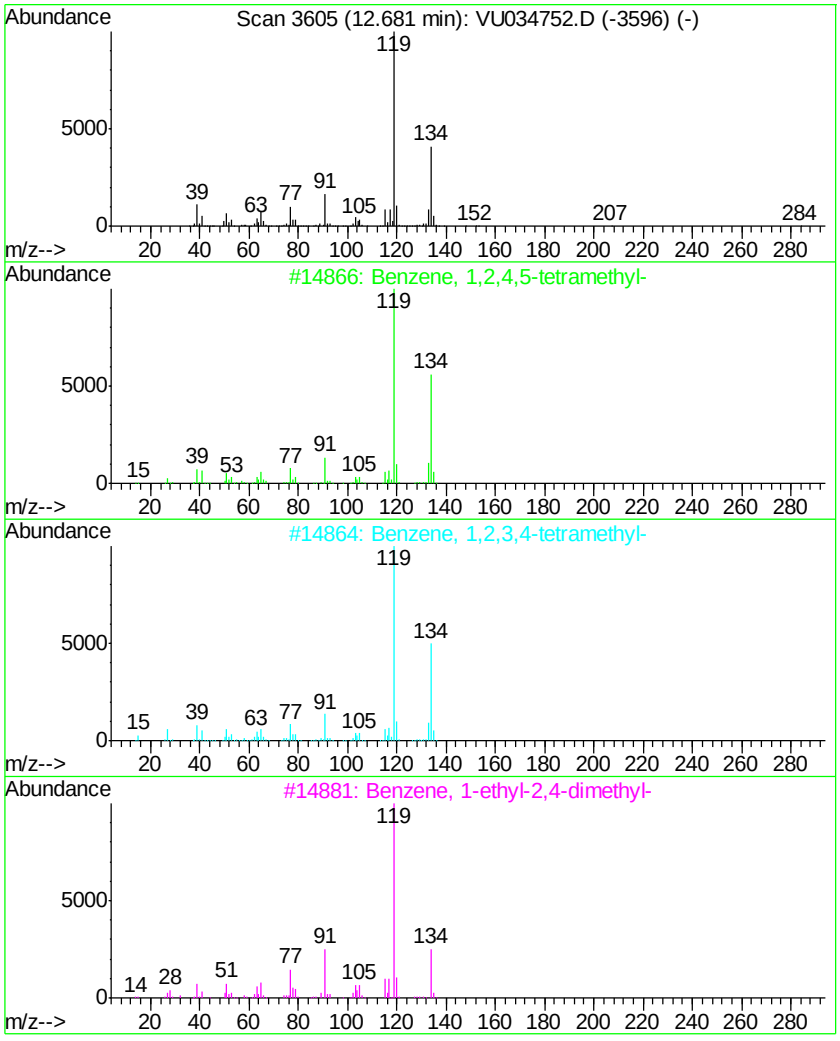
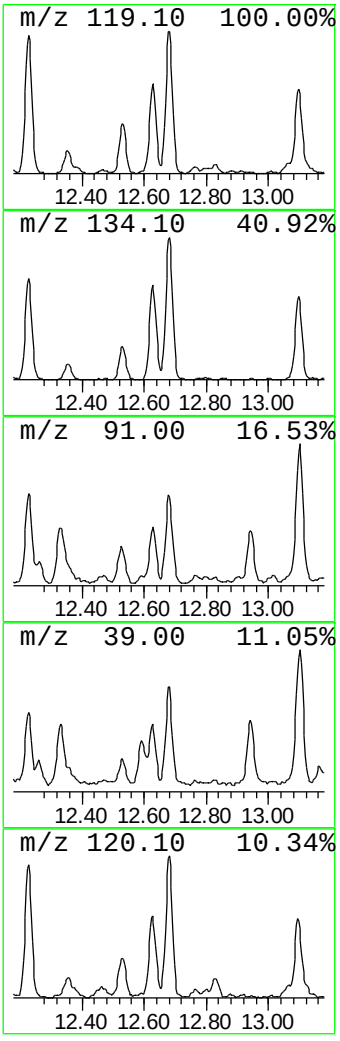
Peak Number 34 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	23.64 ug/L	827150	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

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

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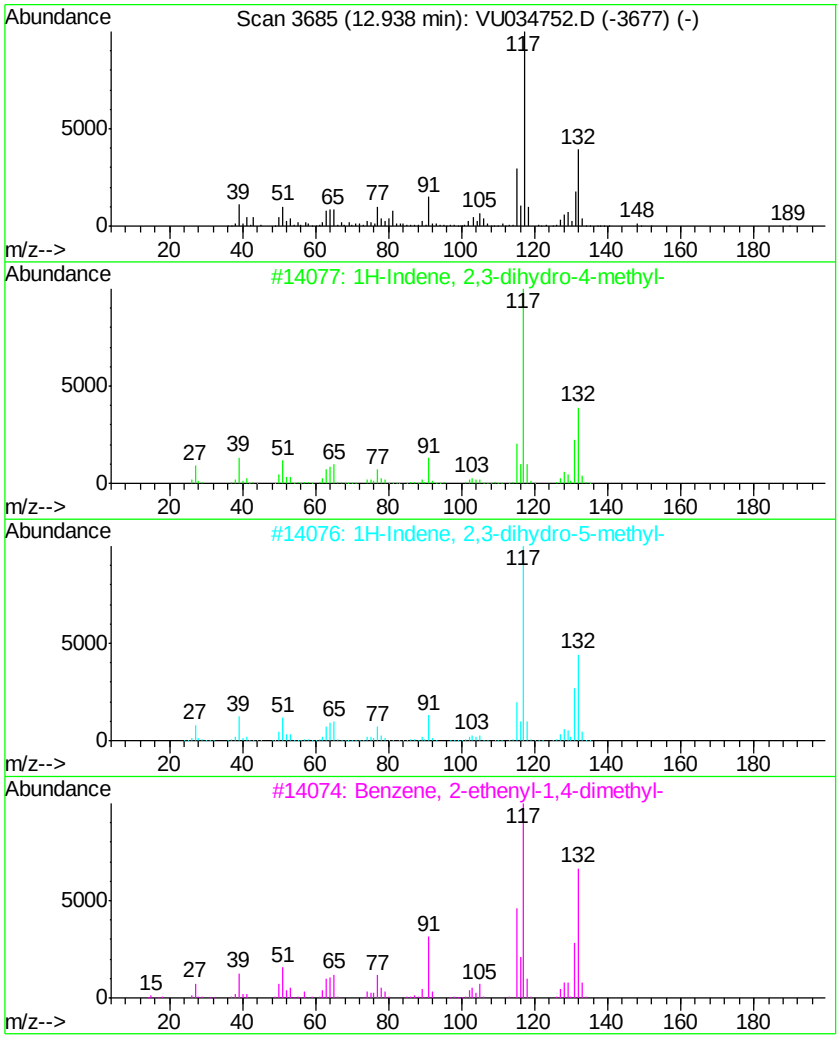
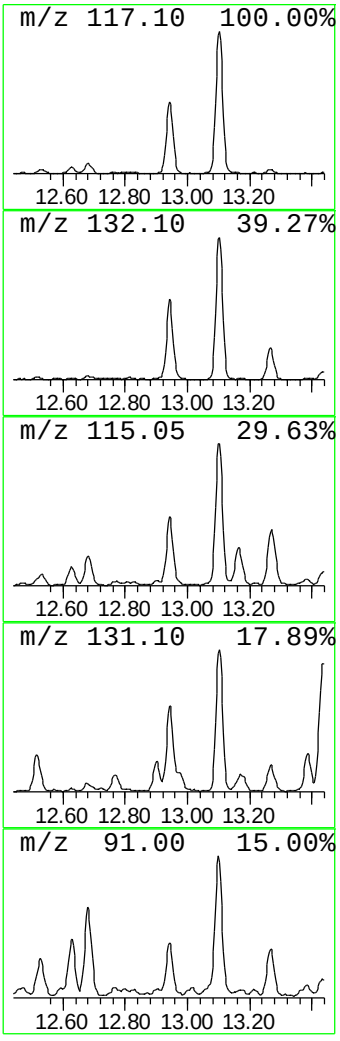
Peak Number 35 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	18.93 ug/L	662490	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034752.D
Acq On : 23 Sep 2019 22:53
Operator : JC/SP
Sample : K4932-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH0

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown-01	1.54	2.8	ug/L	72689	1	5.86	1291470	50.0
(DEL) Alkane: Cyc...	4.07	4.0	ug/L	102808	1	5.86	1291470	50.0
(Z),(Z)-2,4-Hexad...	4.76	3.5	ug/L	90883	1	5.86	1291470	50.0
Isopropyl acetate	5.53	7.3	ug/L	188419	1	5.86	1291470	50.0
n-Propyl acetate	6.68	130.7	ug/L	3376800	1	5.86	1291470	50.0
Cyclopentene, 4,4...	7.04	2.9	ug/L	75377	1	5.86	1291470	50.0
2-Hexanol	7.89	11.8	ug/L	402193	2	9.07	1709660	50.0
Propanoic acid, 2...	8.13	15.7	ug/L	538313	2	9.07	1709660	50.0
Propanoic acid, p...	8.40	25.9	ug/L	884317	2	9.07	1709660	50.0
Butanoic acid, 1-...	8.88	30.9	ug/L	1055210	2	9.07	1709660	50.0
Thiophene, tetrah...	9.48	2.9	ug/L	98060	2	9.07	1709660	50.0
2-Heptanone	9.90	3.9	ug/L	132381	2	9.07	1709660	50.0
Benzene, propyl-	10.57	19.7	ug/L	687736	3	11.46	1749460	50.0
Benzene, 1-ethyl-...	10.66	116.1	ug/L	4062730	3	11.46	1749460	50.0
Benzene, 1,2,3-tr...	10.75	57.5	ug/L	2012620	3	11.46	1749460	50.0
4-Octanone, 2-met...	10.89	9.1	ug/L	319442	3	11.46	1749460	50.0
Benzene, 1-ethyl-...	10.95	46.3	ug/L	1619500	3	11.46	1749460	50.0
Benzene, 1,2,4-tr...	11.13	196.0	ug/L	6858830	3	11.46	1749460	50.0
2-Octanone	11.23	4.4	ug/L	154584	3	11.46	1749460	50.0
Benzene, 1-methyl...	11.40	5.4	ug/L	190397	3	11.46	1749460	50.0
Indane	11.74	63.0	ug/L	2203540	3	11.46	1749460	50.0
Indene	11.96	10.8	ug/L	377462	3	11.46	1749460	50.0
Benzene, 1-methyl...	12.03	6.6	ug/L	231767	3	11.46	1749460	50.0
Benzene, 2-ethyl-...	12.12	14.0	ug/L	489397	3	11.46	1749460	50.0
o-Cymene	12.15	10.6	ug/L	371523	3	11.46	1749460	50.0
Benzene, 4-ethyl-...	12.23	19.4	ug/L	677236	3	11.46	1749460	50.0
Benzene, 1-etheny...	12.33	23.3	ug/L	814339	3	11.46	1749460	50.0
L-Fenchone	12.59	6.3	ug/L	220629	3	11.46	1749460	50.0
Benzene, 1,2,3,4-...	12.63	13.6	ug/L	473943	3	11.46	1749460	50.0
Benzene, 1,2,4,5-...	12.68	23.6	ug/L	827150	3	11.46	1749460	50.0
1H-Indene, 2,3-di...	12.94	18.9	ug/L	662490	3	11.46	1749460	50.0