LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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	1.396	84	95	109	rBV	382916	451354	5.51%	0.664%
2	1.466	110	117	127	rBV	120422	130380	1.59%	0.192%
3	1.540	133	140	152	rVB	36612	50947	0.62%	0.075%
4	1.672	173	181	194	rVB	295798	369317	4.51%	0.543%
5	1.749	198	205	212	rVB2	30708	38047	0.46%	0.056%
6	1.942	259	265	275	rVB5	18911	33508	0.41%	0.049%
7	2.174	330	337	346	rVB2	34120	48748	0.60%	0.072%
8	2.260	351	364	373	rVV	512328	793712	9.69%	1.168%
9	2.305	373	378	407	rVB	106758	189613	2.32%	0.279%
10	2.682	482	495	504	rBV6	16112	39436	0.48%	0.058%
11	2.775	517	524	544	rVB5	18391	46087	0.56%	0.068%
12	2.971	572	585	599	rBV9	9407	23007	0.28%	0.034%
13	3.164	633	645	662	rBV5	24459	59527	0.73%	0.088%
14	3.421	706	725	734	rBV8	14425	40981	0.50%	0.060%
15	3.537	752	761	772	rVB7	9072	20276	0.25%	0.030%
16	3.974	882	897	910	rBV5	15487	42636	0.52%	0.063%
17	4.071	915	927	940	rBV4	23222	52986	0.65%	0.078%
18	4.151	940	952	962	rBV2	232905	607786	7.42%	0.894%
19	4.624	1081	1099	1122	rBV	386144	919232	11.22%	1.353%
20	4.759	1132	1141	1152	rVB3	24450	52235	0.64%	0.077%
21	4.971	1191	1207	1218	rBV3	24218	57547	0.70%	0.085%
22	5.318	1291	1315	1324	rBV2	808127	2409584	29.42%	3.545%
23	5.366	1325	1330	1349	rVB	434615	809319	9.88%	1.191%
24	5.527	1366	1380	1414	rVB	110913	293583	3.58%	0.432%
25	5.865	1471	1485	1508	rBV	658596	1316642	16.08%	1.937%
26	6.170	1569	1580	1589	rBV	13279	34457	0.42%	0.051%
27	6.309	1607	1623	1639	rBV	554038	1124663	13.73%	1.655%
28	6.402	1641	1652	1675	rVB4	46908	121164	1.48%	0.178%
29	6.518	1679	1688	1693	rBV5	15096	25187	0.31%	0.037%
30	6.681	1727	1739	1769	rBV	2217944	4001682	48.86%	5.888%
31	7.048	1838	1853	1863	rBV3	17099	36777	0.45%	0.054%
32	7.206	1887	1902	1924	rBV	315440	584688	7.14%	0.860%
33	7.399	1948	1962	1971	rBV	265098	473544	5.78%	0.697%
34	7.440	1971	1975	1988	rVB2	85077	130601	1.59%	0.192%

LSC Area Percent Report

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Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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	7.543	1988	2007	2018	rBV	1093443	1947277	23.77%	2.865%
36	7.614	2018	2029	2062	rVB	4794787	8190530	100.00%	12.051%
37	7.826	2085	2095	2110	rBV2	283721	496587	6.06%	0.731%
38	8.135	2179	2191	2207	rBV	387635	642784	7.85%	0.946%
39	8.212	2207	2215	2218	rBV4	36614	50123	0.61%	0.074%
40	8.241	2220	2224	2230	rVB2	32496	35558	0.43%	0.052%
41	8.289	2230	2239	2262	rBV	934557	1597831	19.51%	2.351%
42	8.395	2262	2272	2283	rBV	706102	1080670	13.19%	1.590%
43	8.508	2300	2307	2318	rVB2	37234	63872	0.78%	0.094%
44	8.884	2410	2424	2451	rBV	779494	1264559	15.44%	1.861%
45	9.067	2456	2481	2518	rBV	1007637	1882420	22.98%	2.770%
46	9.228	2519	2531	2551	rBV	1020056	1623626	19.82%	2.389%
47	9.350	2556	2569	2587	rBV	3558301	5786918	70.65%	8.515%
48	9.476	2601	2608	2617	rVV4	37728	56734	0.69%	0.083%
49	9.585	2635	2642	2651	rBV4	24147	36526	0.45%	0.054%
50	9.755	2683	2695	2718	rVB	2320687	3743629	45.71%	5.508%
51	10.019	2764	2777	2787	rBV	24308	56127	0.69%	0.083%
52	10.141	2803	2815	2828	rVB	81968	145142	1.77%	0.214%
53	10.302	2858	2865	2874	rVV9	14856	25975	0.32%	0.038%
54	10.408	2886	2898	2915	rBV	725598	1178032	14.38%	1.733%
55	10.566	2935	2947	2959	rBV	201346	335056	4.09%	0.493%
56	10.659	2965	2976	2994	rVV	921538	1940149	23.69%	2.855%
57	10.749	2994	3004	3021	rVB	574596	893313	10.91%	1.314%
58	10.897	3041	3050	3056	rBV2	53382	83847	1.02%	0.123%
59	10.948	3056	3066	3088	rVB	526441	867018	10.59%	1.276%
60	11.061	3089	3101	3108	rBV	14919	32443	0.40%	0.048%
61	11.125	3109	3121	3138	rBV	2121418	3192930	38.98%	4.698%
62	11.302	3171	3176	3183	rVB2	23251	30687	0.37%	0.045%
63	11.402	3200	3207	3215	rBV2	60744	85529	1.04%	0.126%
64	11.459	3215	3225	3242	rVV	1023044	1644544	20.08%	2.420%
65	11.546	3242	3252	3266	rVB	885274	1358574	16.59%	1.999%
66	11.742	3300	3313	3322	rBV	555038	963677	11.77%	1.418%
67	11.784	3322	3326	3333	rVV	144570	206087	2.52%	0.303%
68	11.839	3333	3343	3367	rVB4	1230841	2616316	31.94%	3.850%
69	11.958	3371	3380	3395	rBV2	110655	180276	2.20%	0.265%
70	12.032	3395	3403	3415	rVB	74185	117408	1.43%	0.173%
71	12.122	3419	3431	3436	rBV	160345	256142	3.13%	0.377%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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	12.151	3437	3440	3453	rVB2	140743	188758	2.30%	0.278%
73	12.228	3455	3464	3471	rBV	221484	337897	4.13%	0.497%
74	12.331	3486	3496	3526	rVB2	171620	399678	4.88%	0.588%
75	12.469	3532	3539	3547	rBV9	17181	30820	0.38%	0.045%
76	12.530	3548	3558	3567	rVV3	94487	167109	2.04%	0.246%
77	12.594	3568	3578	3583	rVV	124510	218670	2.67%	0.322%
78	12.627	3583	3588	3596	rVV	165809	253264	3.09%	0.373%
79	12.678	3596	3604	3621	rVB	259767	415226	5.07%	0.611%
80	12.942	3677	3686	3702	rVB	181231	286700	3.50%	0.422%
81	13.099	3717	3735	3748	rBV2	468843	800051	9.77%	1.177%
82	13.167	3749	3756	3765	rVV5	50351	88538	1.08%	0.130%
83	13.270	3778	3788	3805	rVB4	123480	216151	2.64%	0.318%
84	13.376	3810	3821	3832	rBV5	148615	257467	3.14%	0.379%
85	13.437	3832	3840	3847	rBV2	40654	60420	0.74%	0.089%
86	13.485	3847	3855	3871	rBV5	67281	125466	1.53%	0.185%
87	13.588	3881	3887	3895	rBV	30755	38633	0.47%	0.057%
88	13.720	3914	3928	3941	rBV	1270404	2073422	25.31%	3.051%
89	13.839	3954	3965	3979	rVB2	72942	148818	1.82%	0.219%
90	13.919	3982	3990	4005	rVV8	49294	118663	1.45%	0.175%
91	13.987	4008	4011	4021	rVB4	22530	29428	0.36%	0.043%
92	14.131	4047	4056	4072	rBV2	48399	84083	1.03%	0.124%
93	14.315	4103	4113	4125	rBV4	43363	97962	1.20%	0.144%
94	14.453	4148	4156	4166	rVV6	23264	45028	0.55%	0.066%
95	14.514	4168	4175	4190	rVB4	48556	85146	1.04%	0.125%
96	14.655	4214	4219	4228	rVB7	21469	34890	0.43%	0.051%
97	14.803	4257	4265	4271	rBV	15758	24672	0.30%	0.036%
98	14.855	4271	4281	4309	rVB	387186	674037	8.23%	0.992%
99	15.038	4328	4338	4354	rBV	290700	486182	5.94%	0.715%
100	16.041	4642	4650	4656	rBV4	25401	39401	0.48%	0.058%

Sum of corrected areas: 67964749

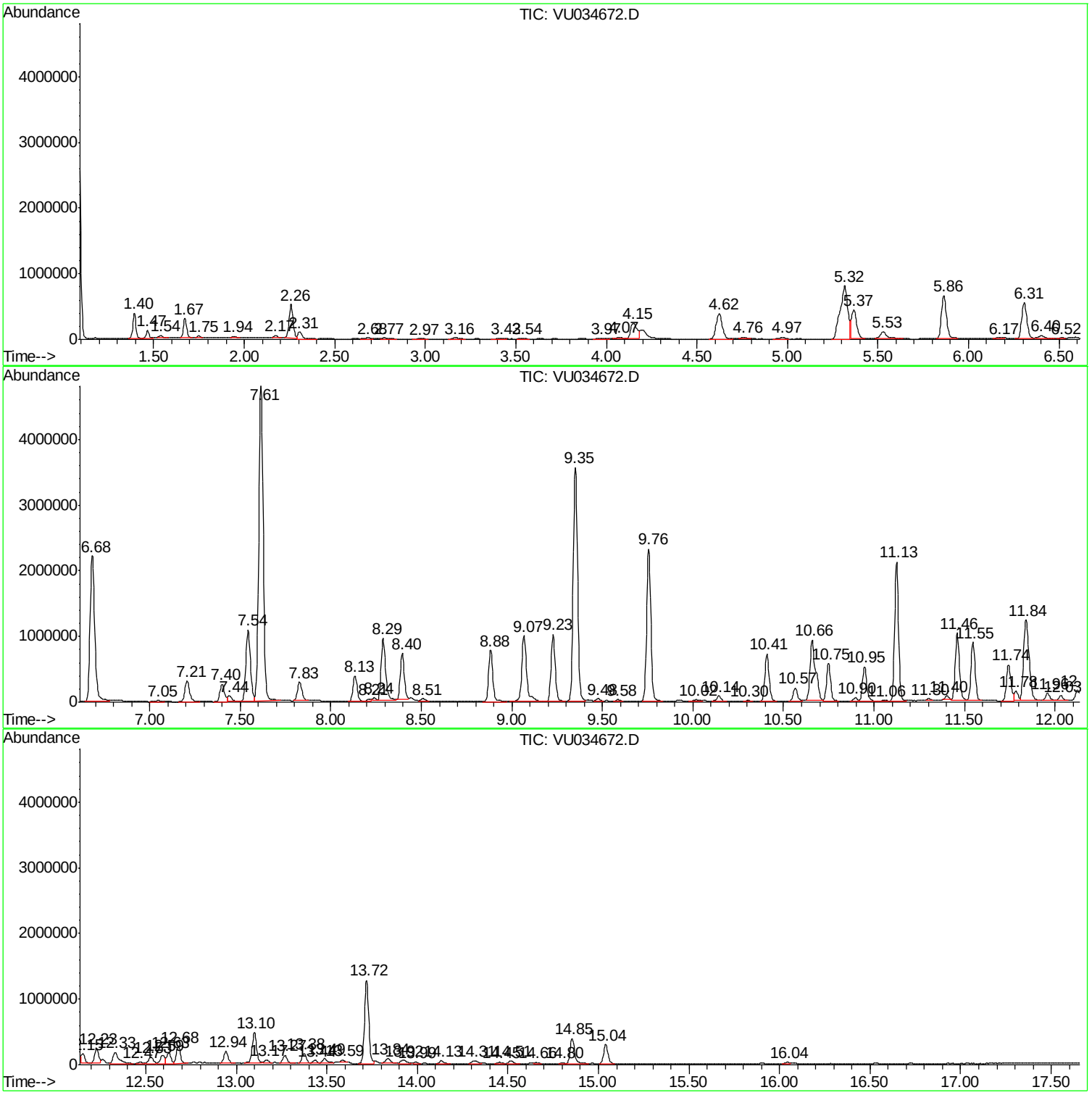
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

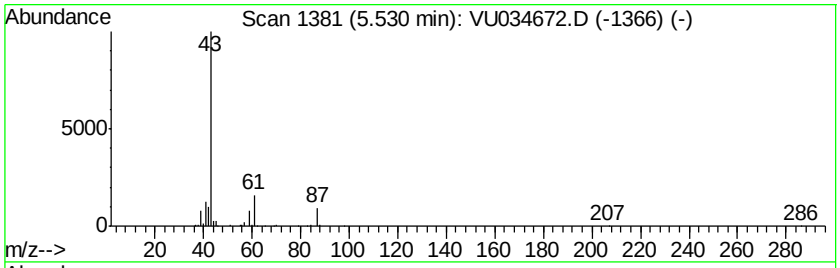
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

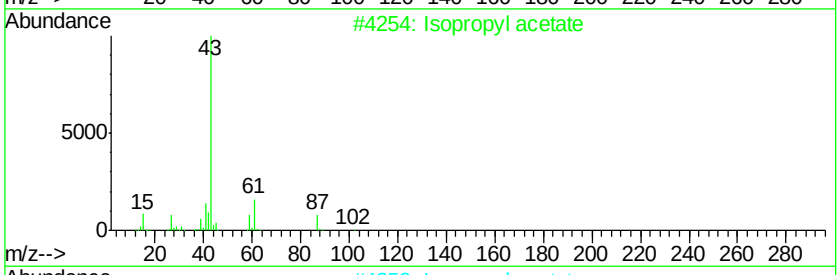
****

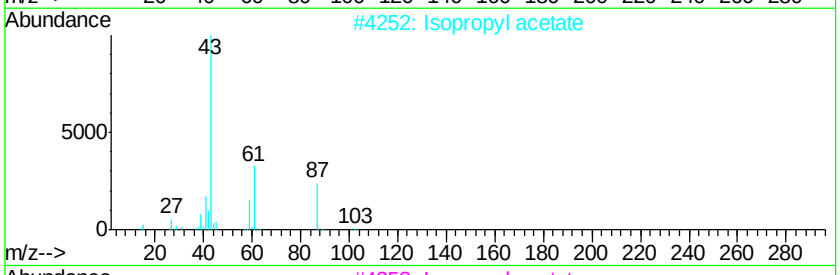
Peak Number 2 Isopropyl acetate Concentration Rank 18

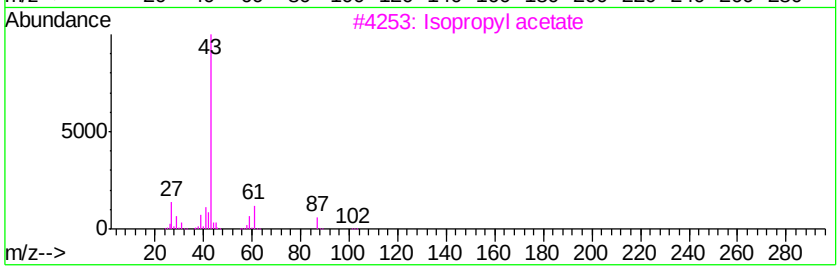
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	11.15 ug/L	293583	1,4-Difluorobenzene	5.86

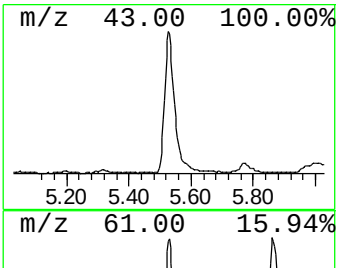
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	72
2	Isopropyl acetate	102	C5H10O2	000108-21-4	59
3	Isopropyl acetate	102	C5H10O2	000108-21-4	56
4	Isopropyl acetate	102	C5H10O2	000108-21-4	42
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9

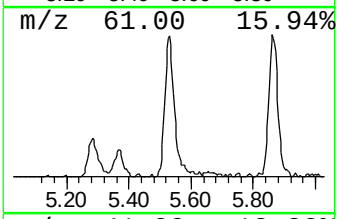


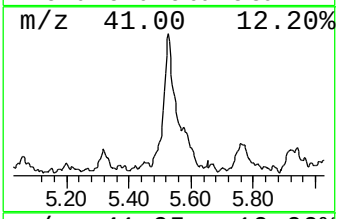


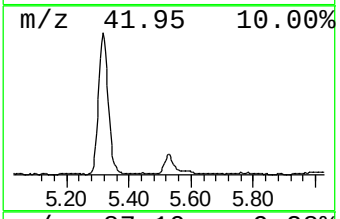


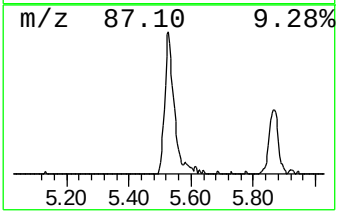












Library Search Compound Report

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Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

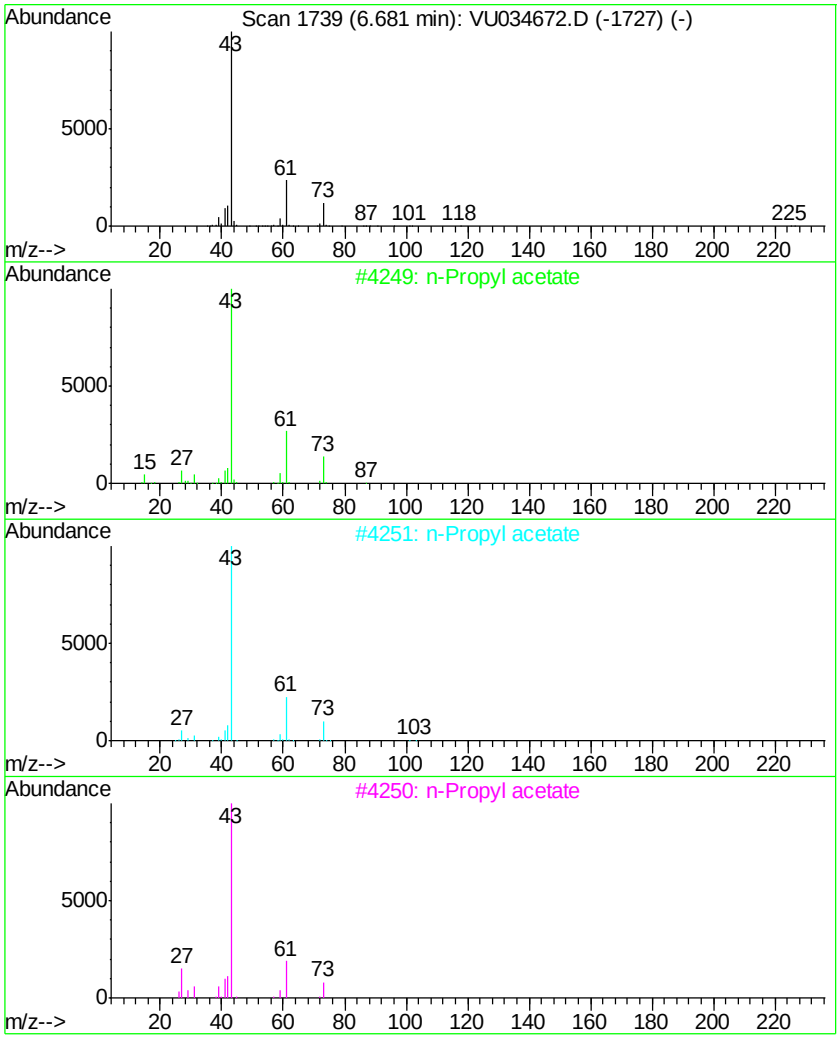
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

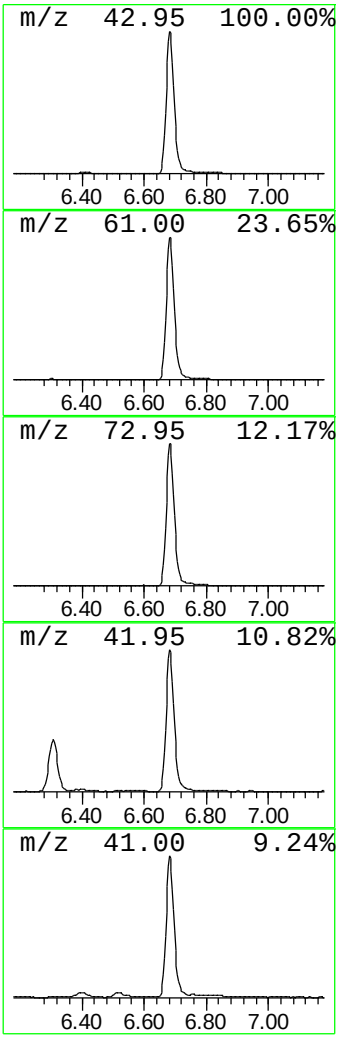
****

Peak Number 3 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	151.97 ug/L	4001680	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	72
4	Isopropyl acetate	102	C5H10O2	000108-21-4	38
5	1-Butanamine	73	C4H11N	000109-73-9	7





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ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

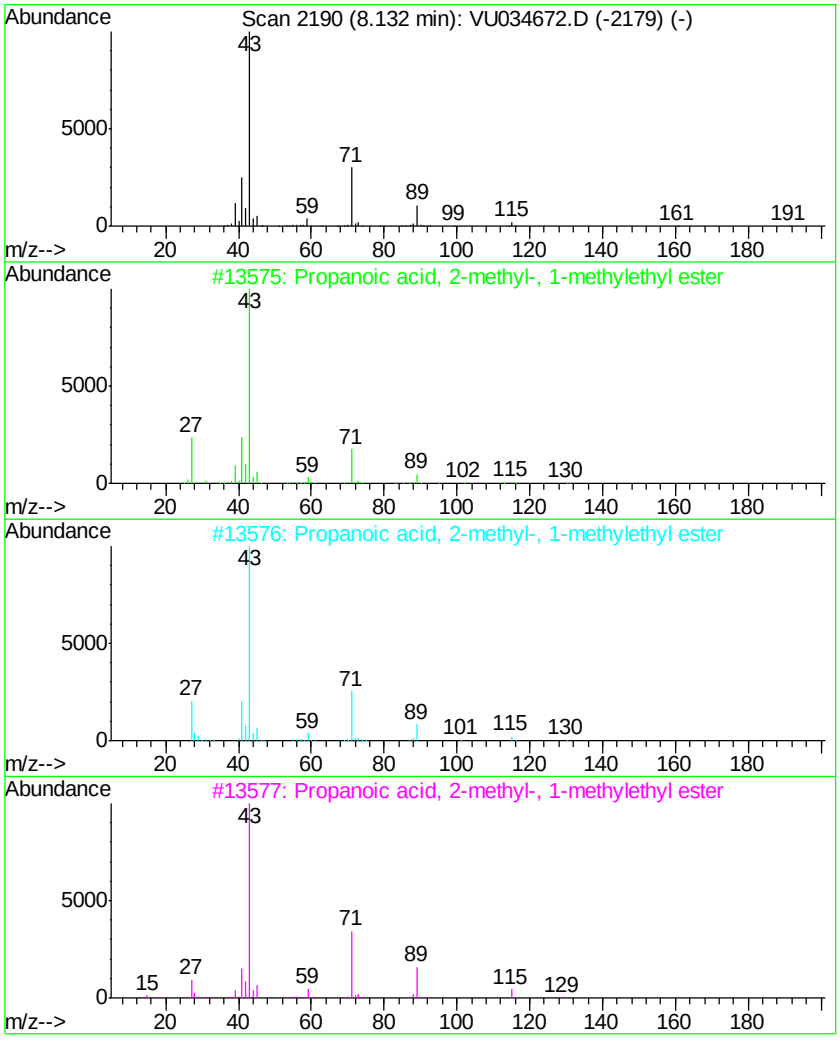
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

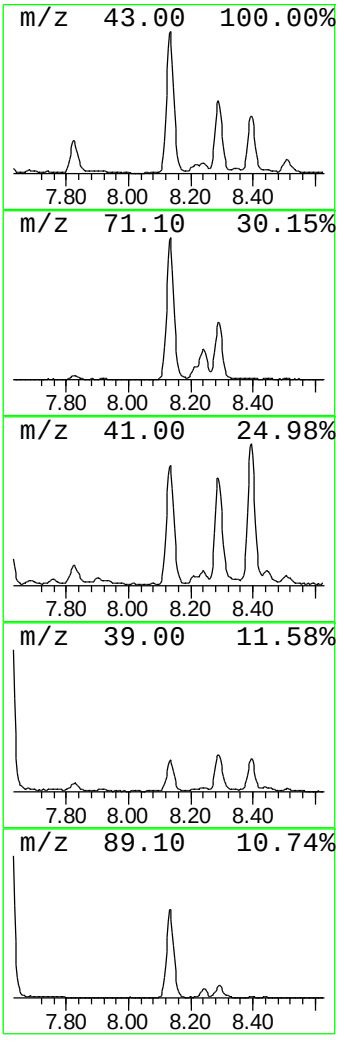
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.07 ug/L	642784	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	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	56
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

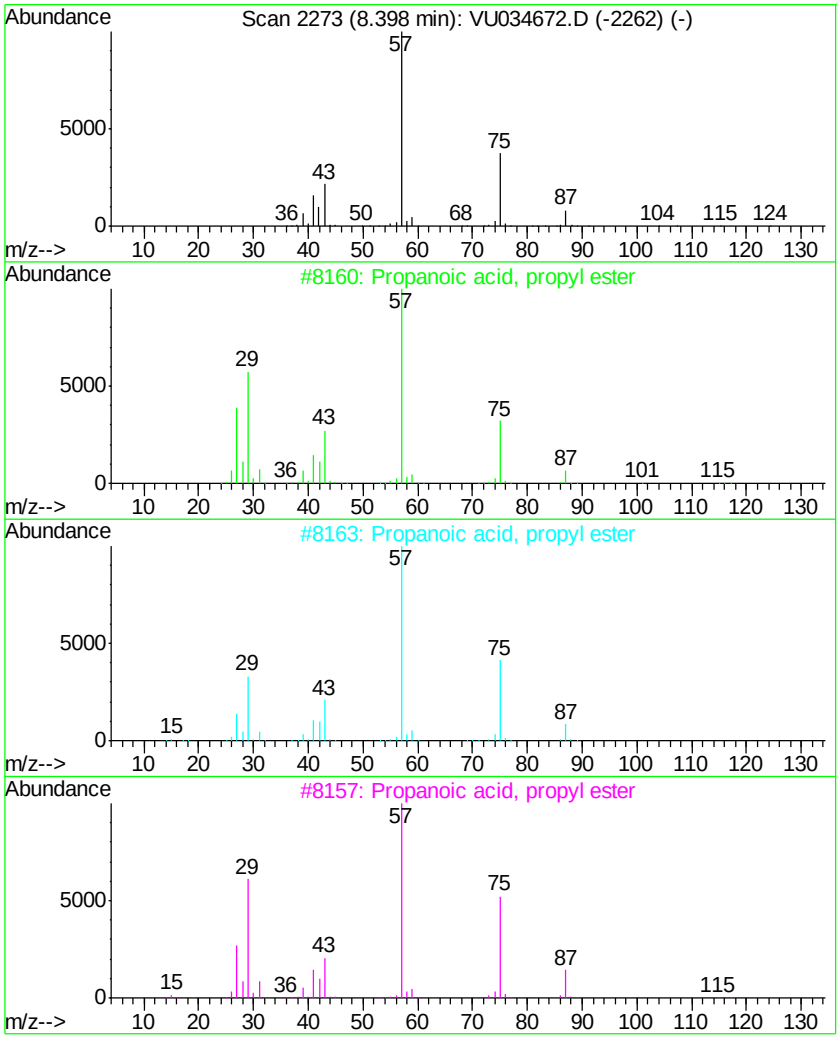
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

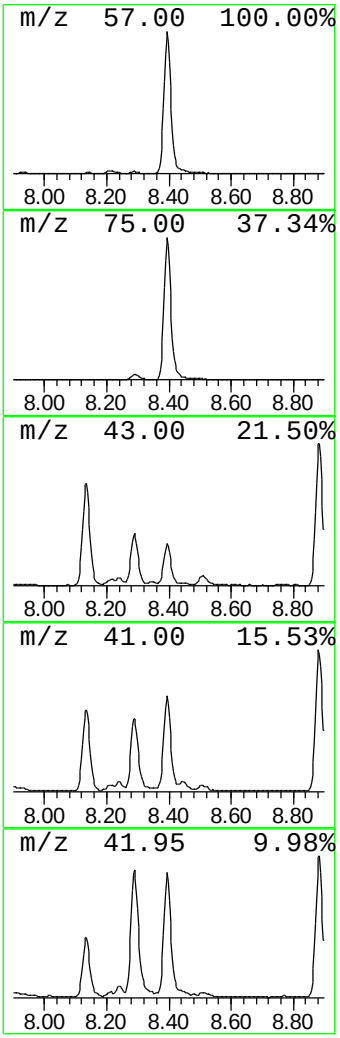
****

Peak Number 6 Propanoic acid, propyl ester Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	28.70 ug/L	1080670	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	59
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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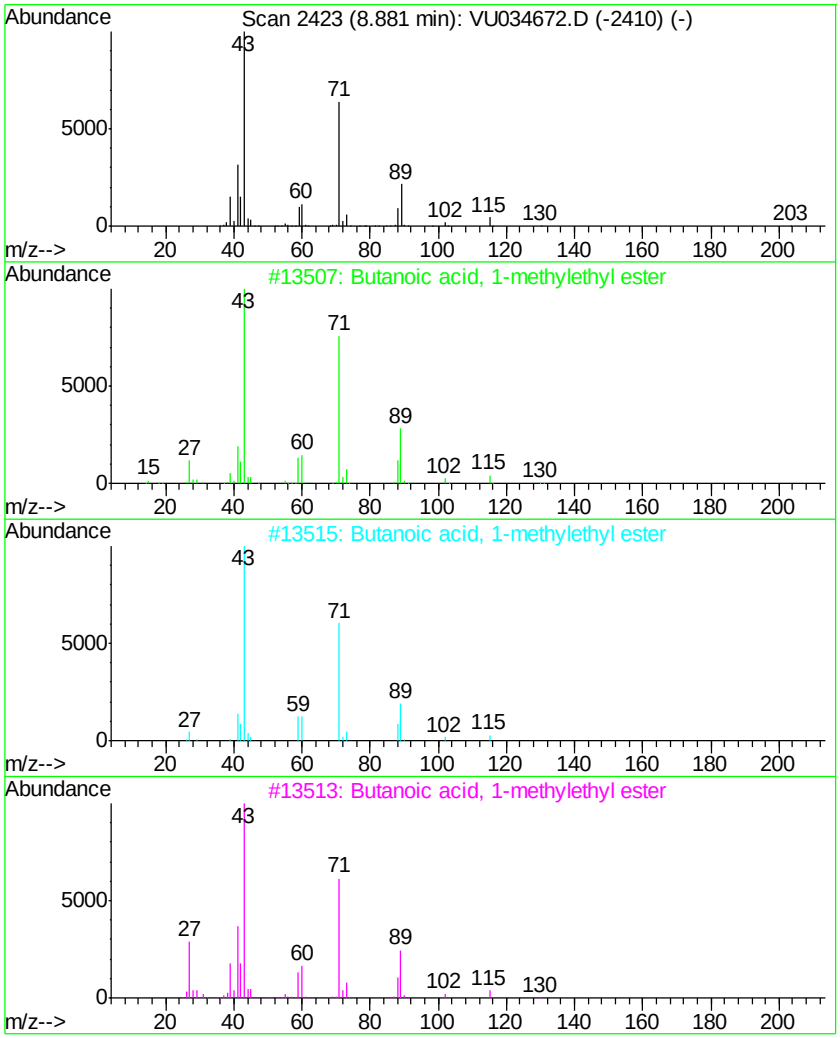
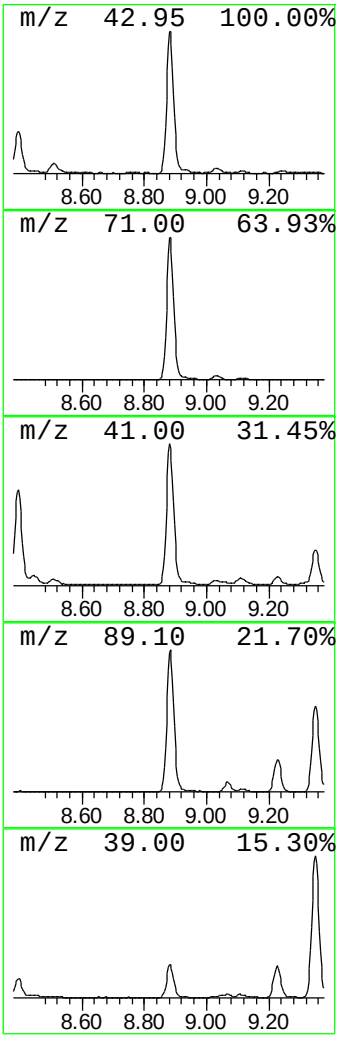
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	33.59 ug/L	1264560	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	91
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
5	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
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Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

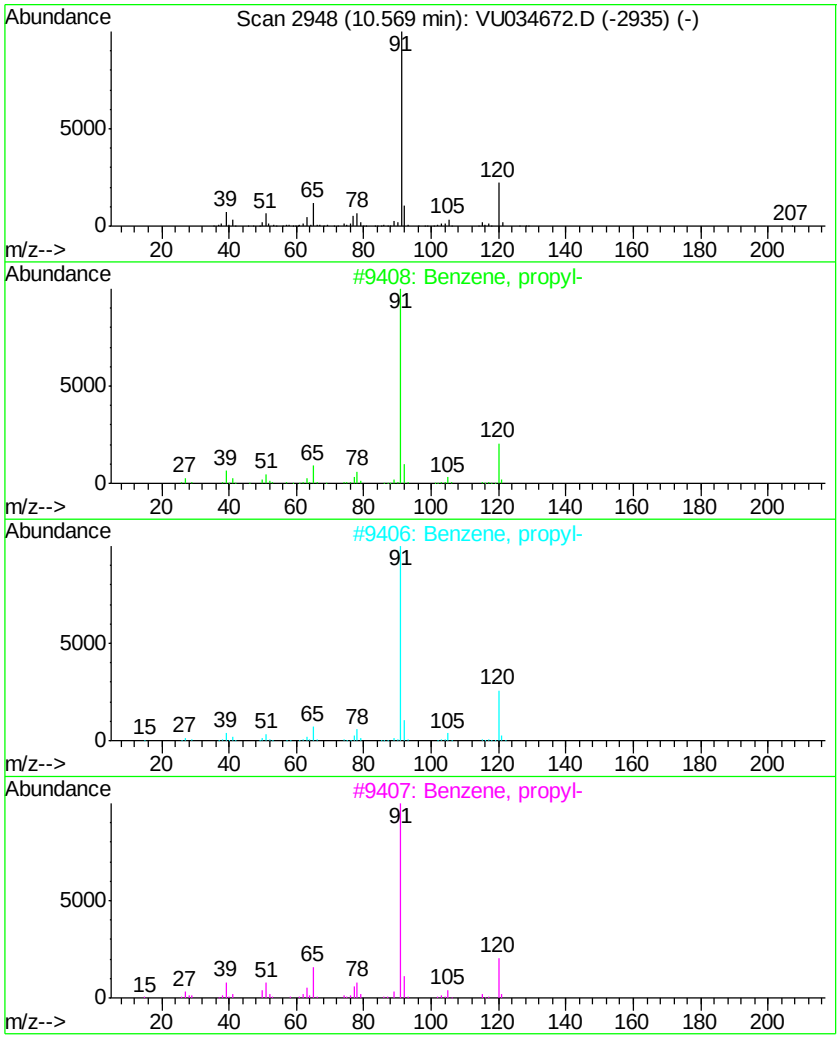
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

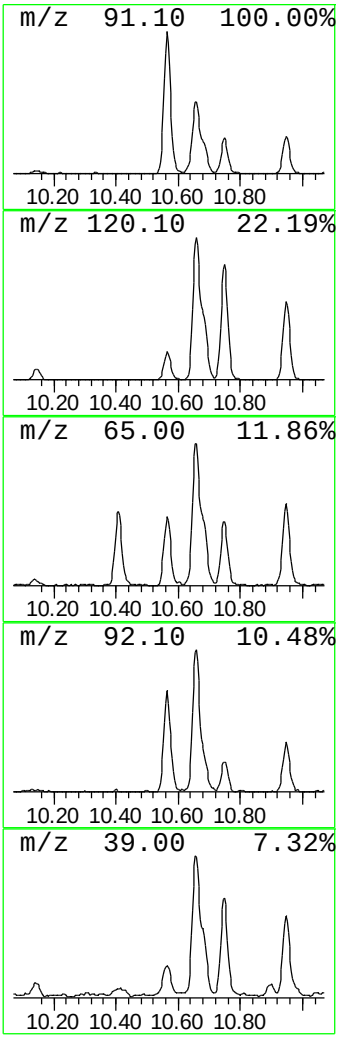
****

Peak Number 8 Benzene, propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	10.19 ug/L	335056	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	86
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





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Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

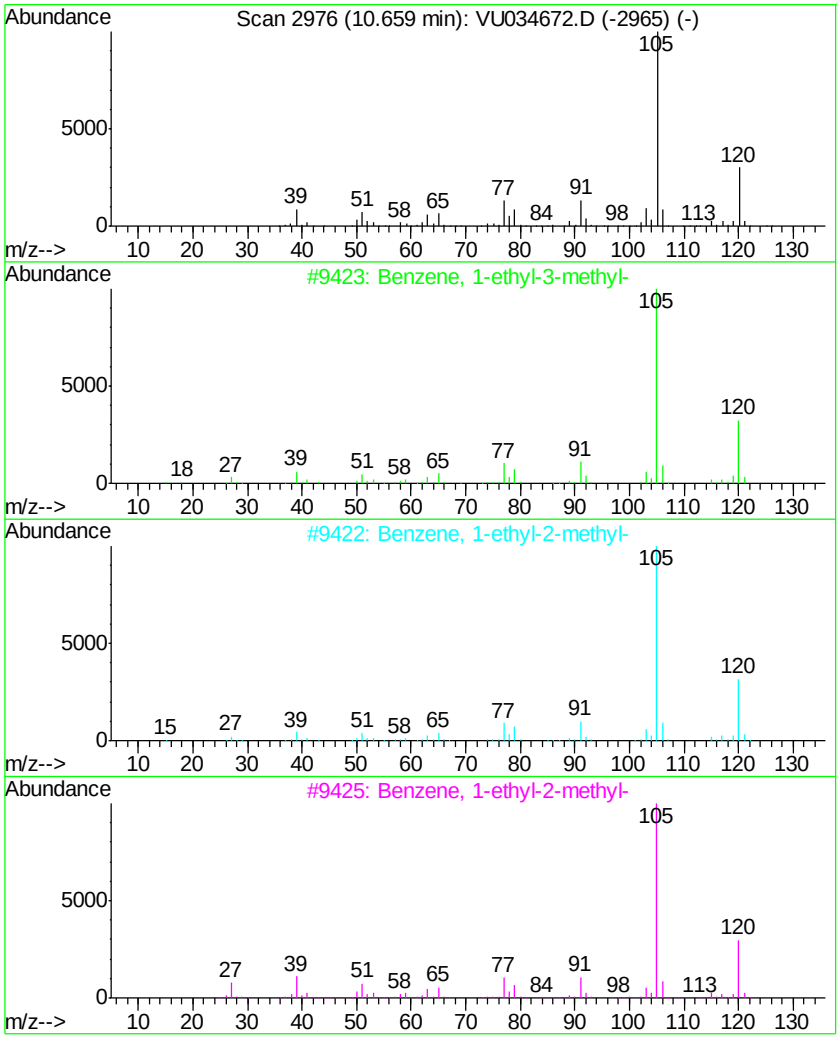
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

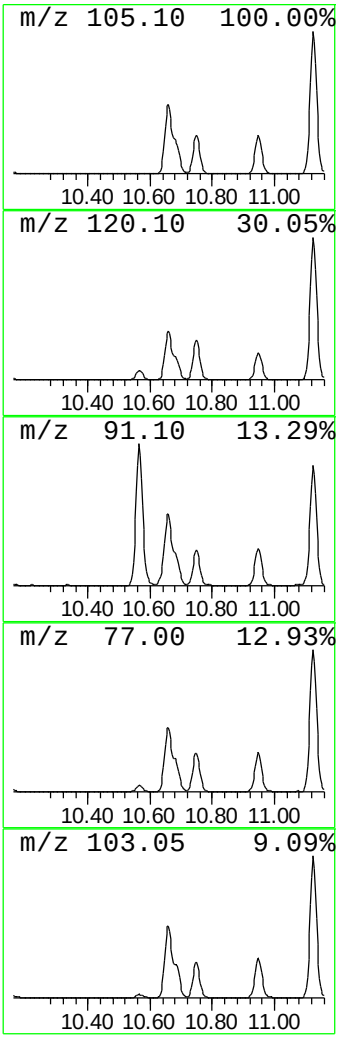
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	58.99 ug/L	1940150	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	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	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-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

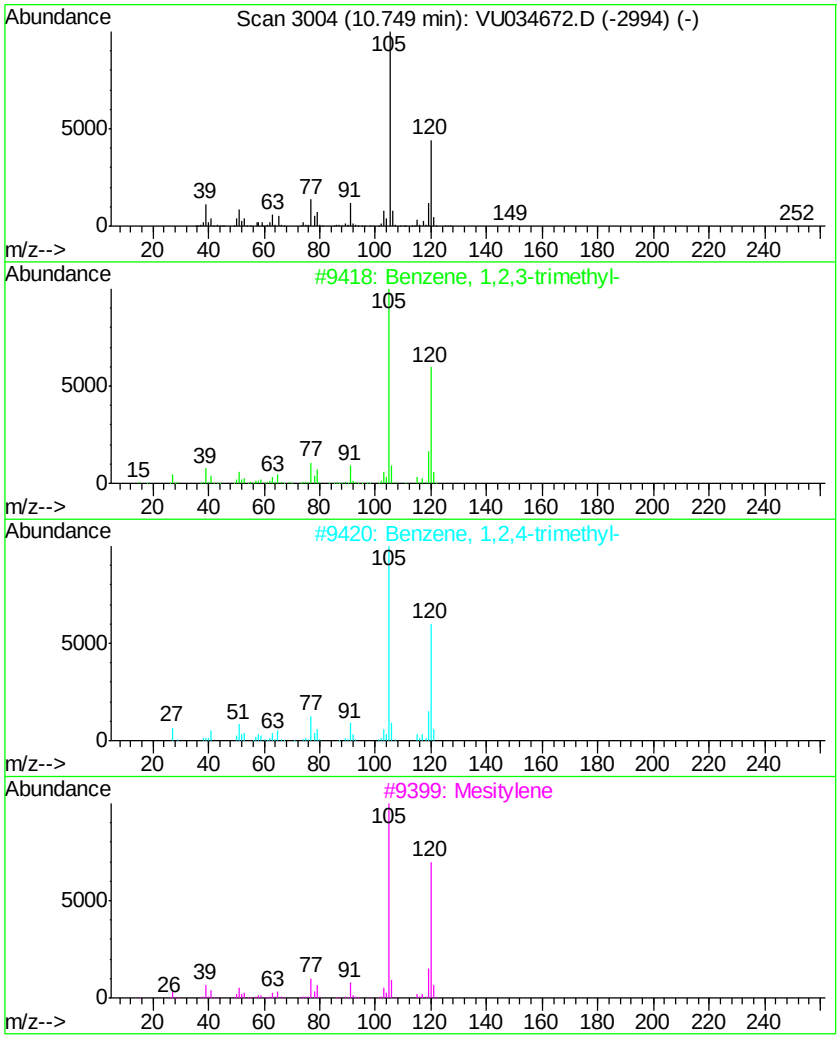
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

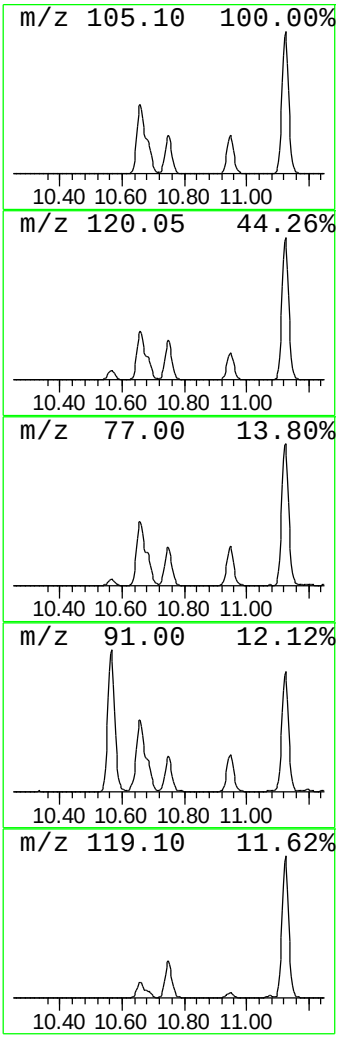
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	27.16 ug/L	893313	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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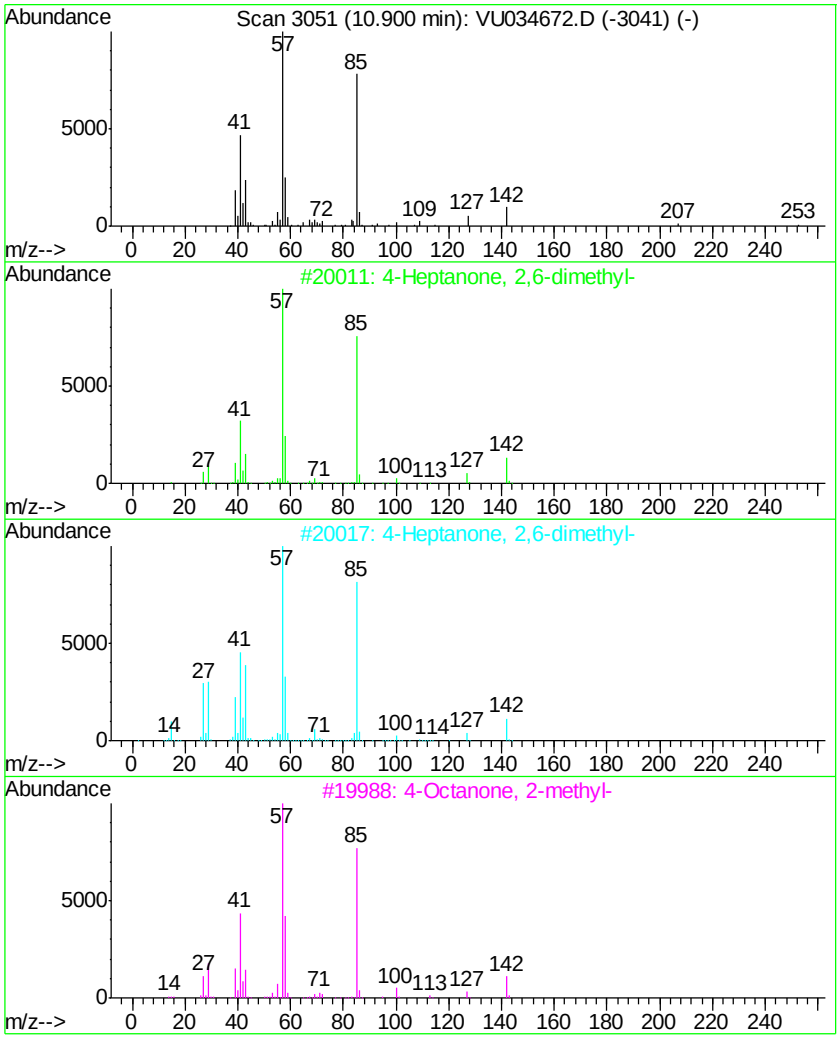
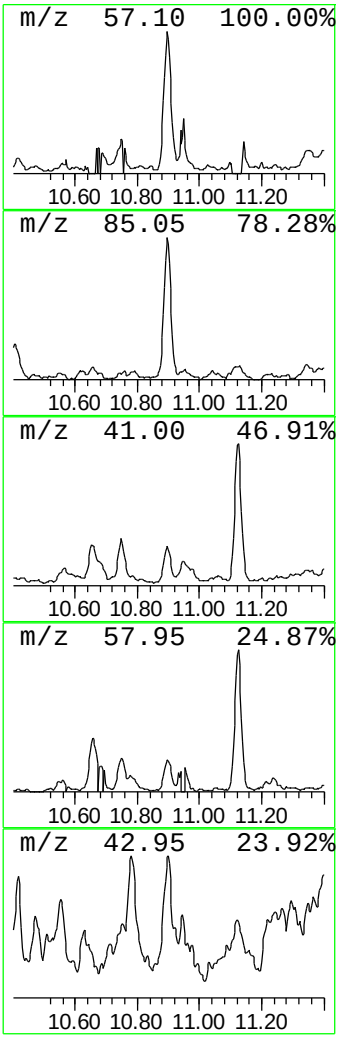
Peak Number 11 4-Heptanone, 2,6-dimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.55 ug/L	83847	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	90
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	83
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	83
5	5-Nonanone	142	C9H18O	000502-56-7	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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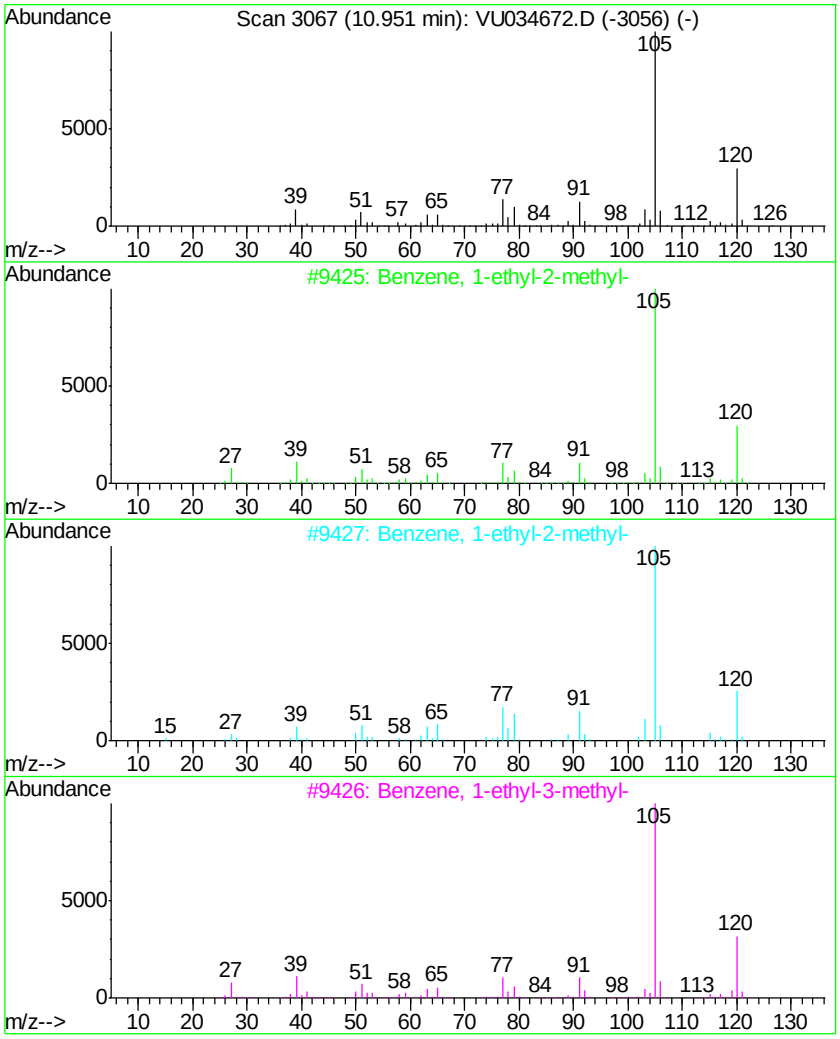
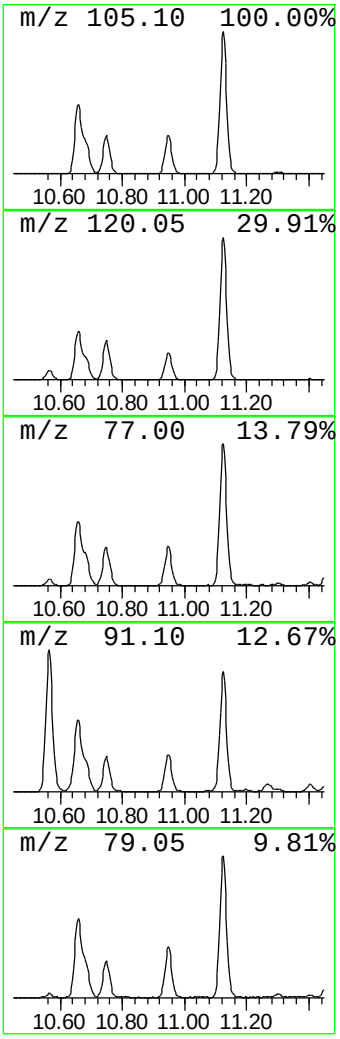
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	26.36 ug/L	867018	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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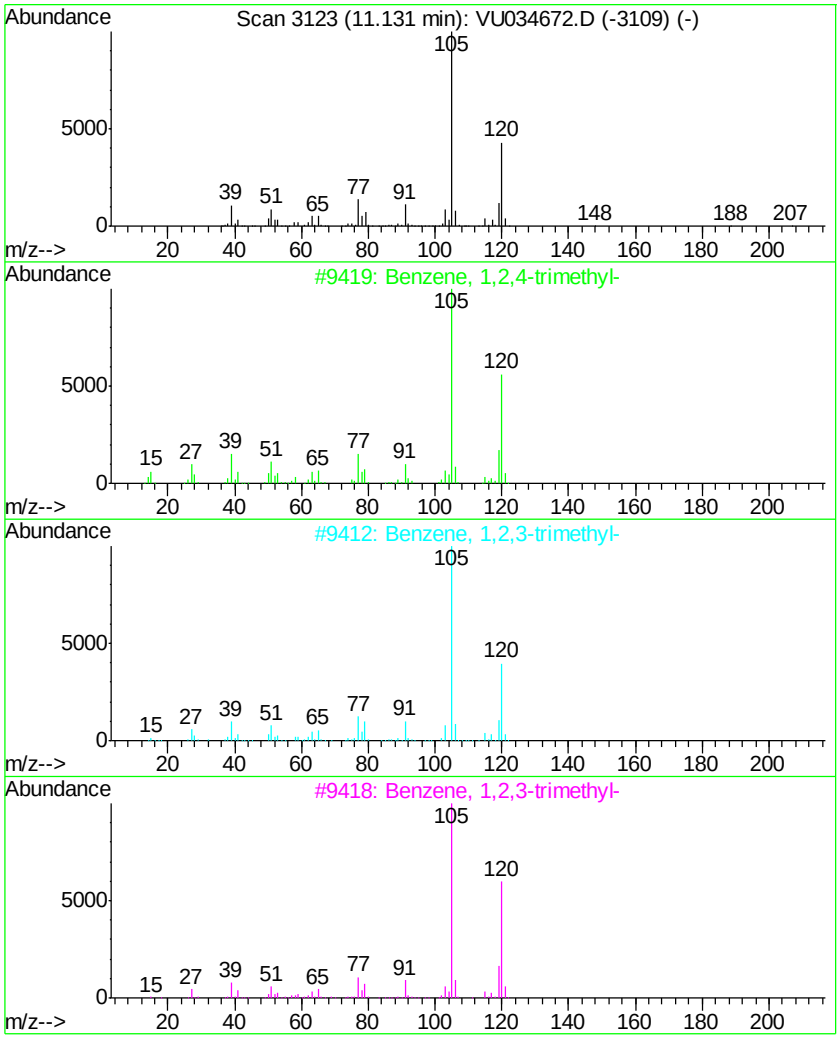
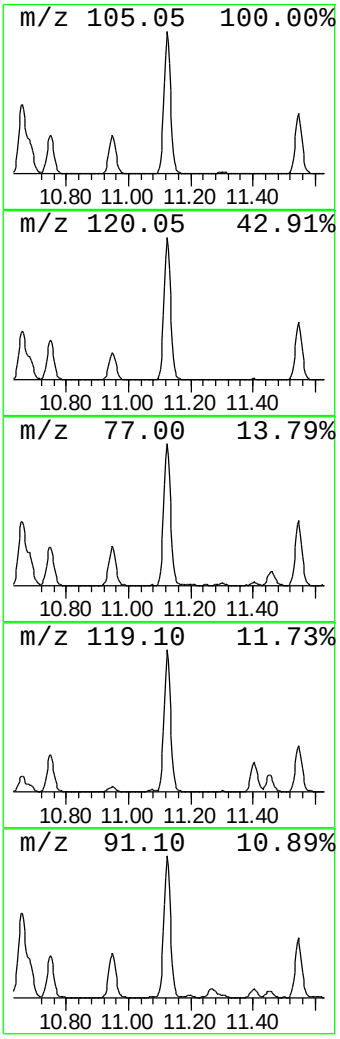
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	97.08 ug/L	3192930	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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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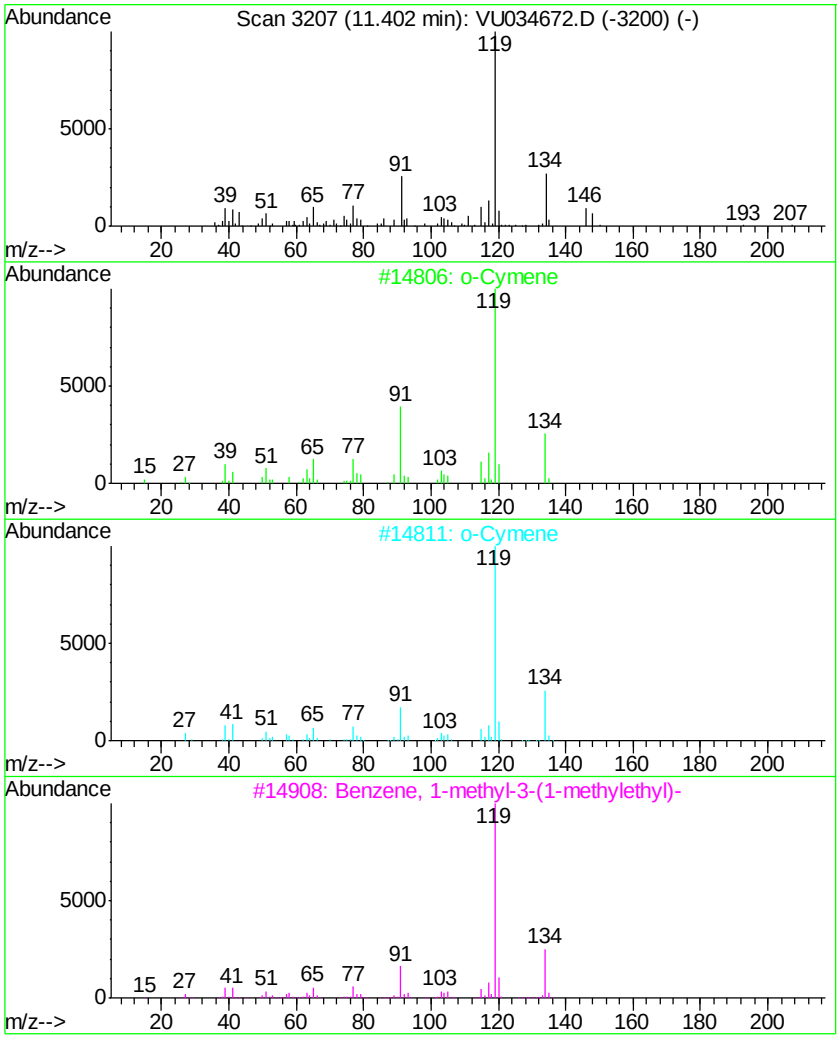
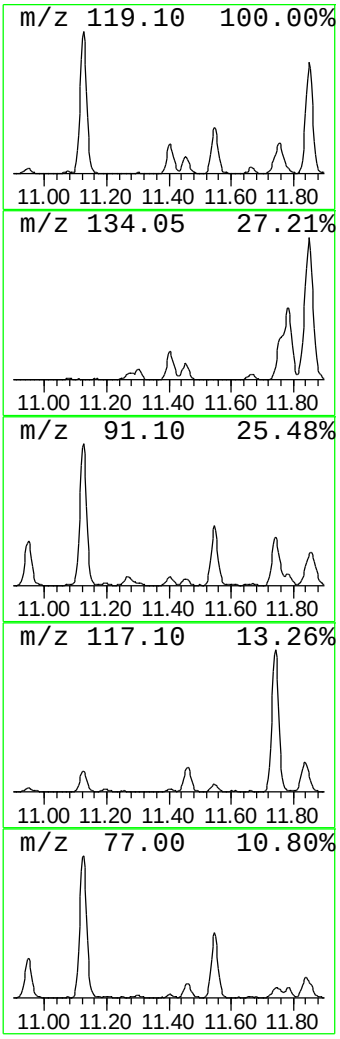
Peak Number 14 o-Cymene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.60 ug/L	85529	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	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	p-Cymene	134	C10H14	000099-87-6	91





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Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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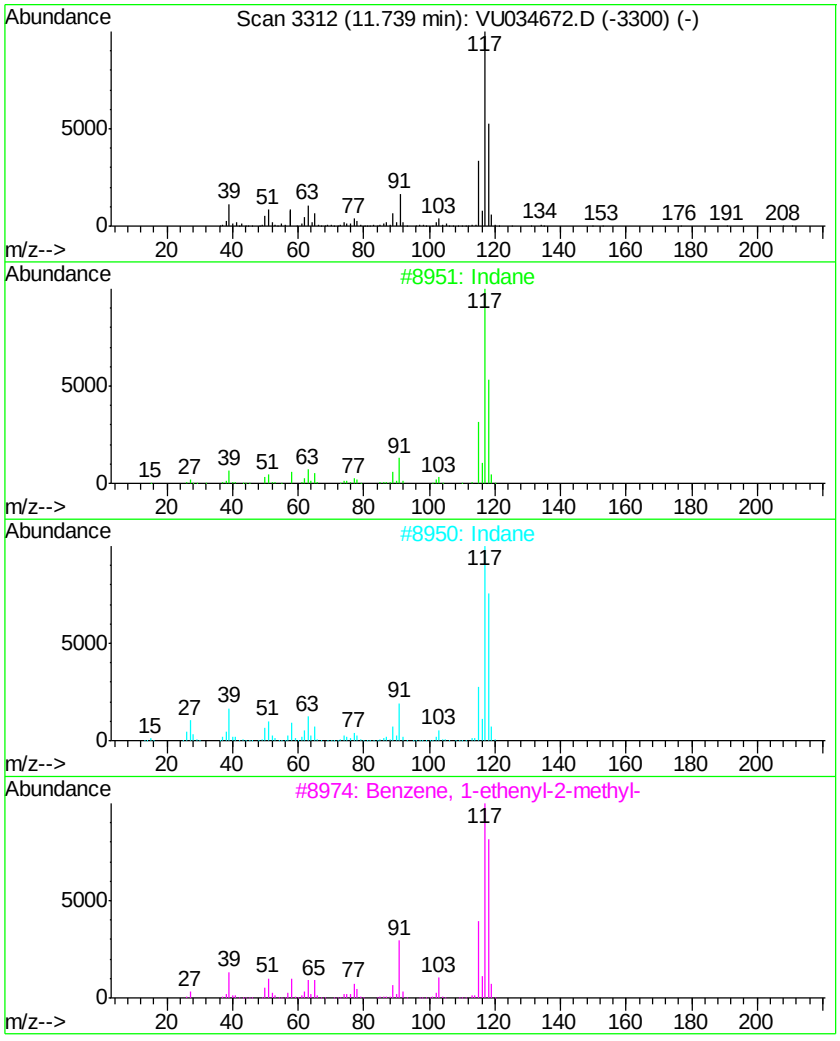
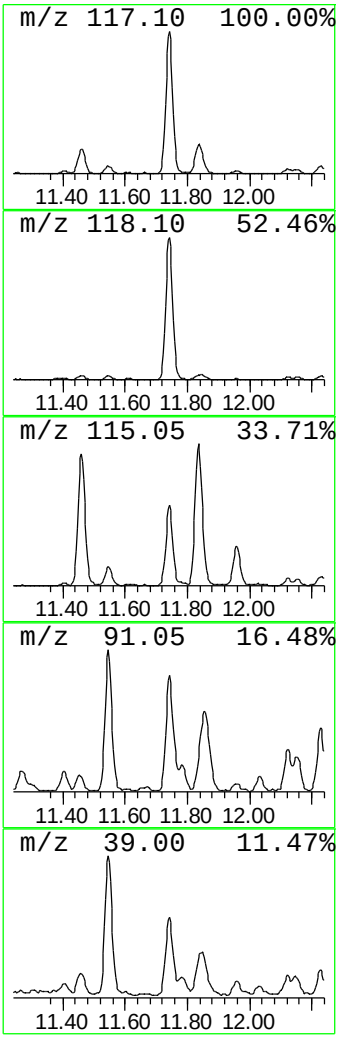
Peak Number 16 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	29.30 ug/L	963677	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	90
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	78
4	Deltacyclene	118	C9H10	007785-10-6	76
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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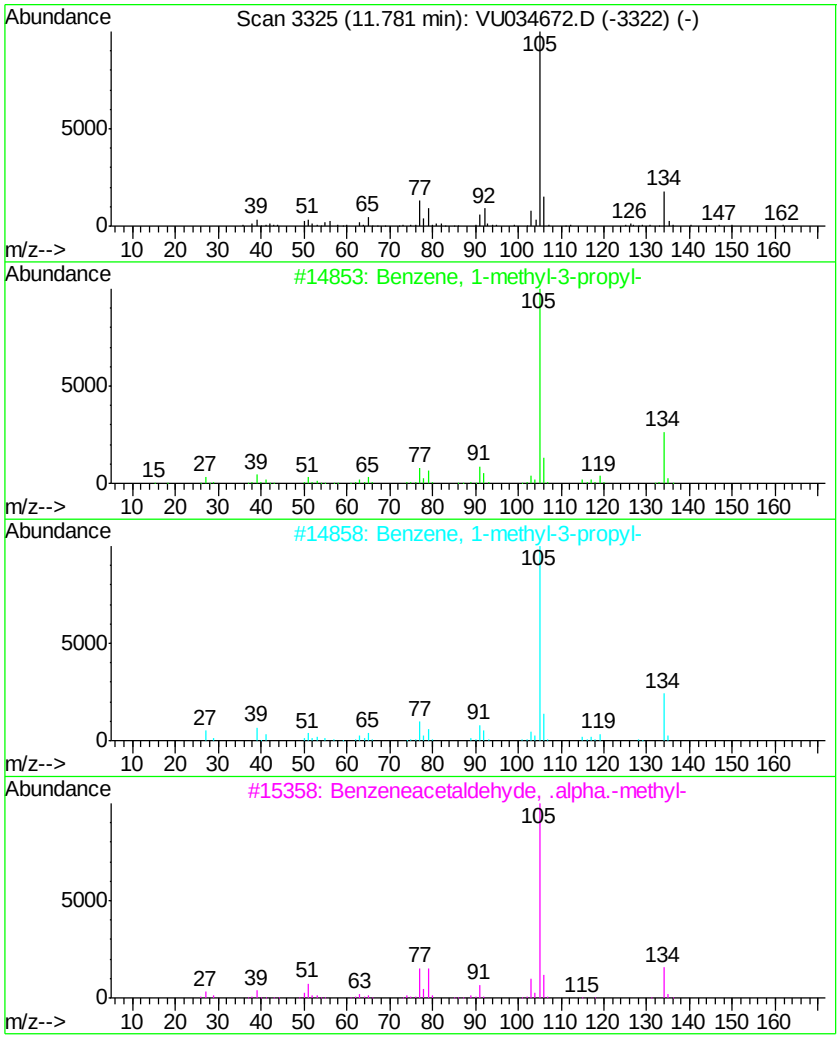
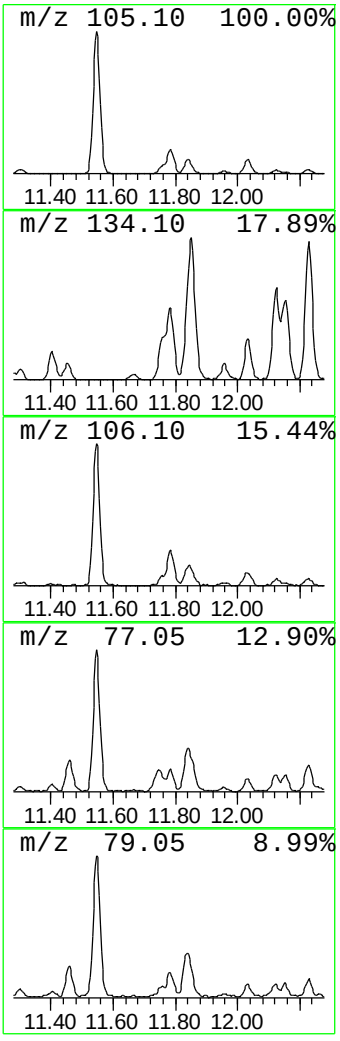
Peak Number 17 Benzene, 1-methyl-3-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.27 ug/L	206087	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	83
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	80





Library Search Compound Report

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Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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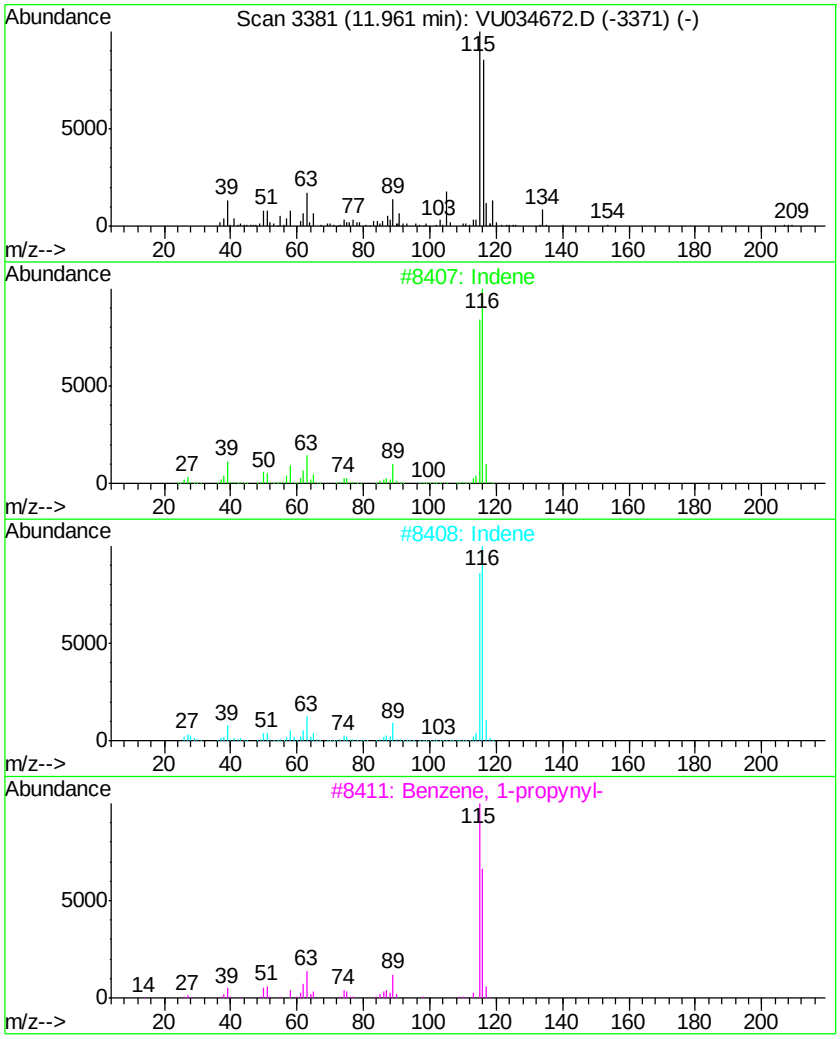
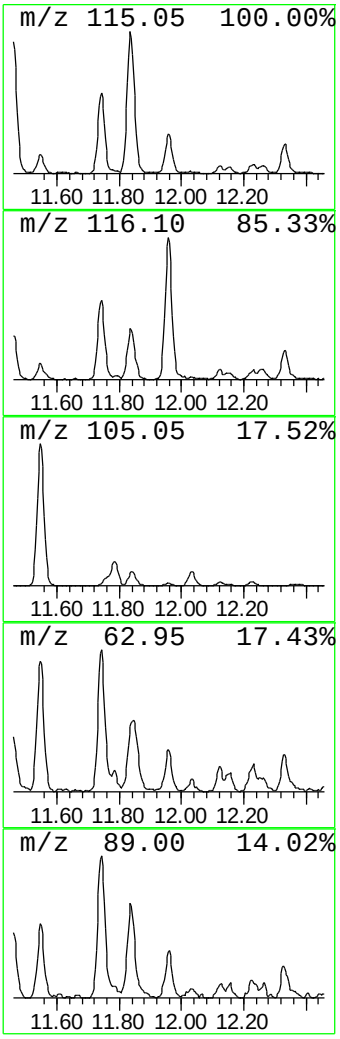
Peak Number 18 Indene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.48 ug/L	180276	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	93
2	Indene	116	C9H8	000095-13-6	87
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
5	Indene	116	C9H8	000095-13-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

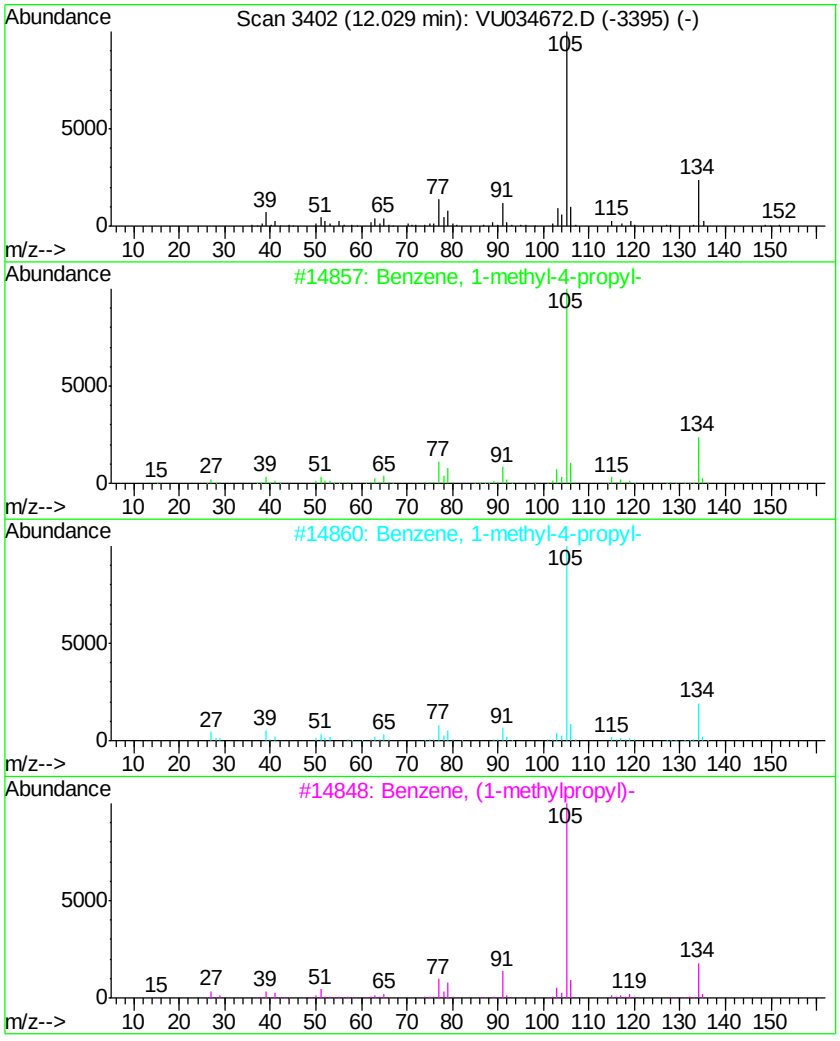
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

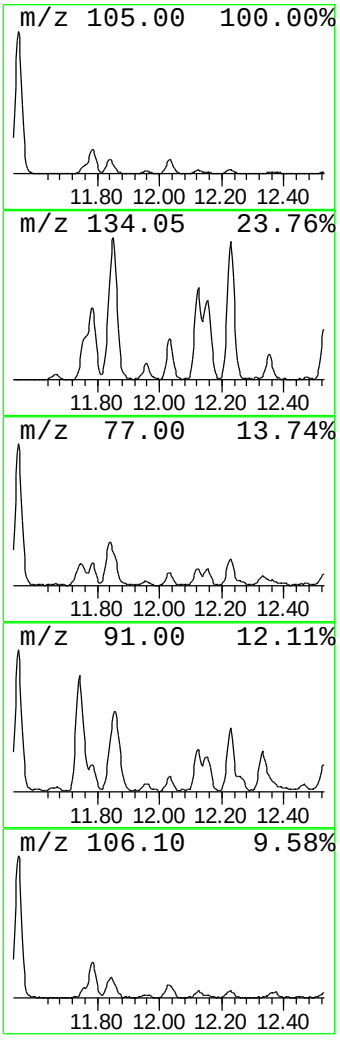
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-methyl-4-propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.57 ug/L	117408	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

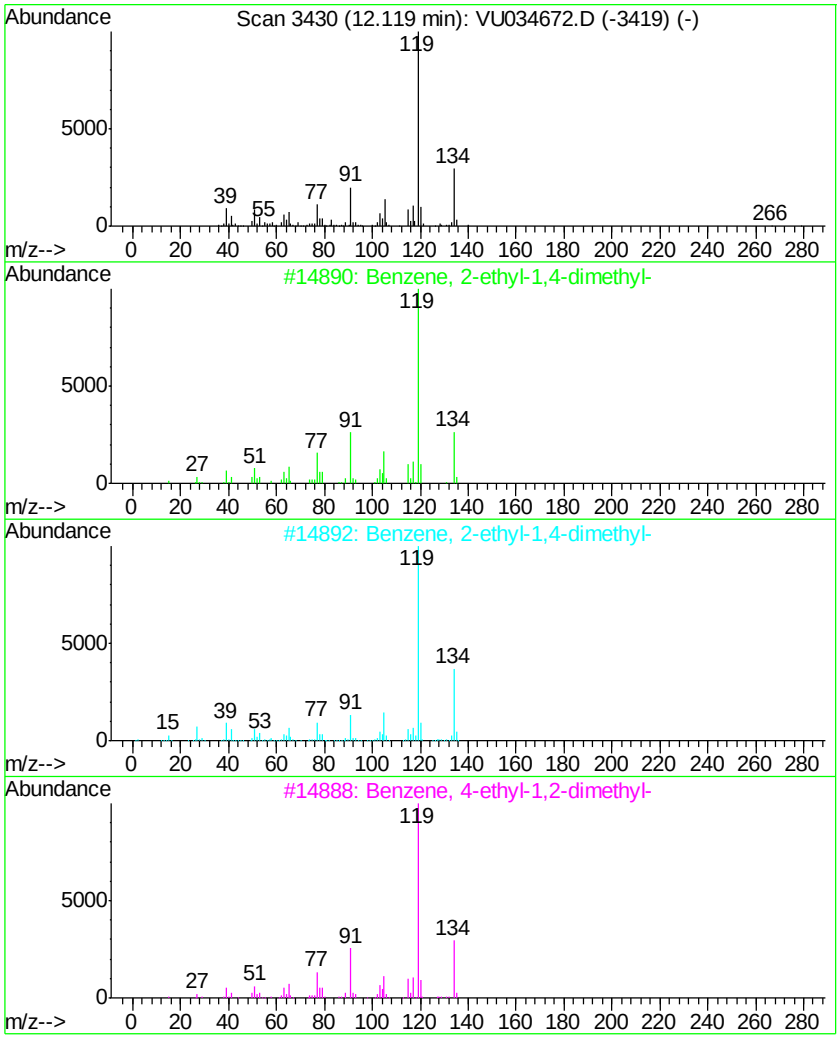
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

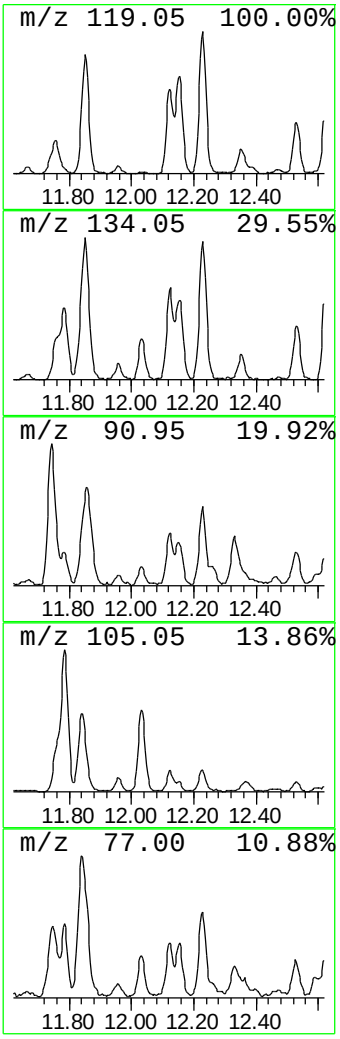
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.79 ug/L	256142	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

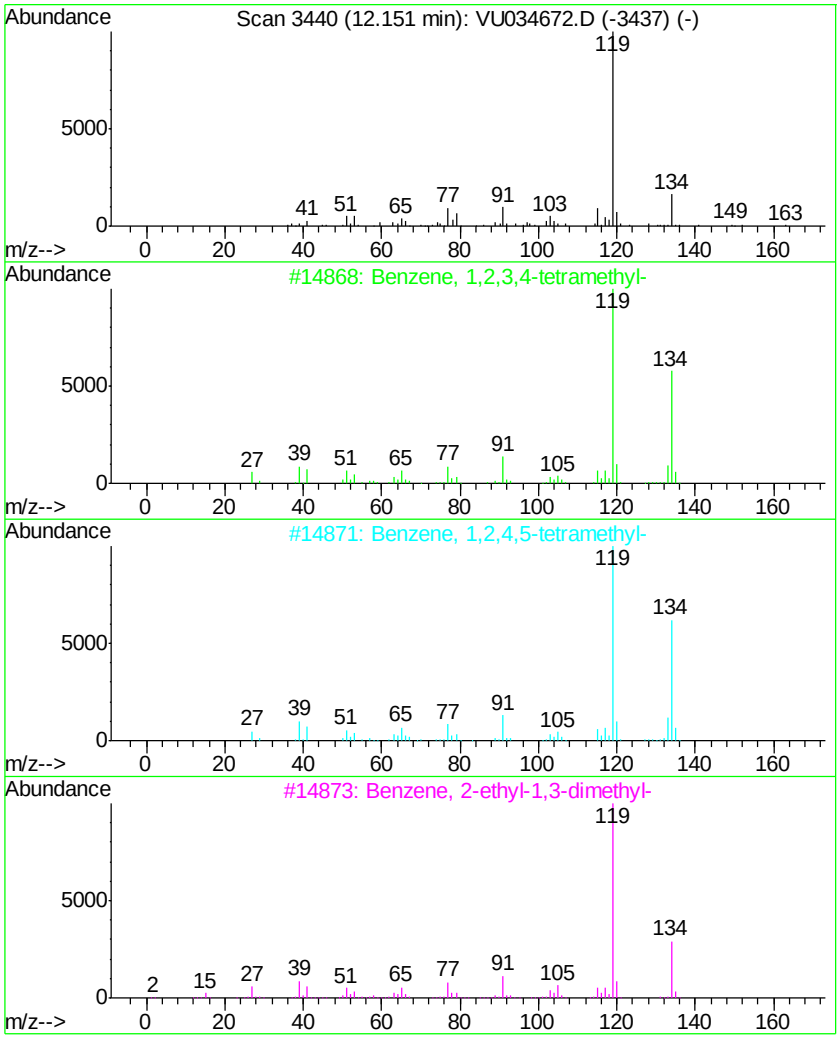
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

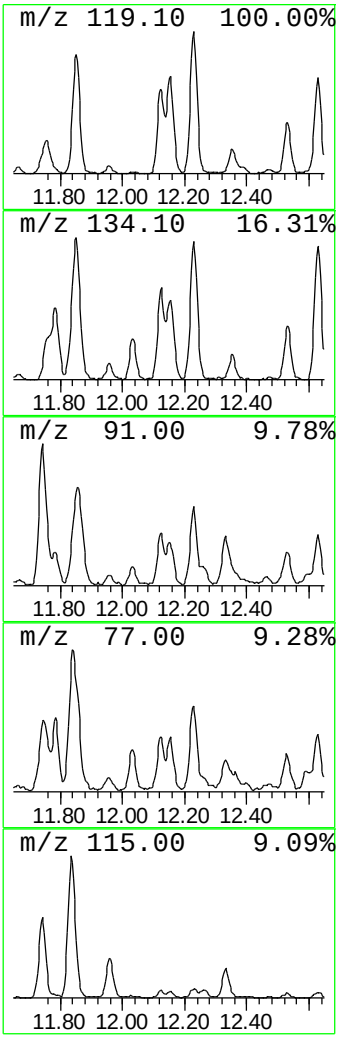
****

Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.74 ug/L	188758	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	87
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	86
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	86
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

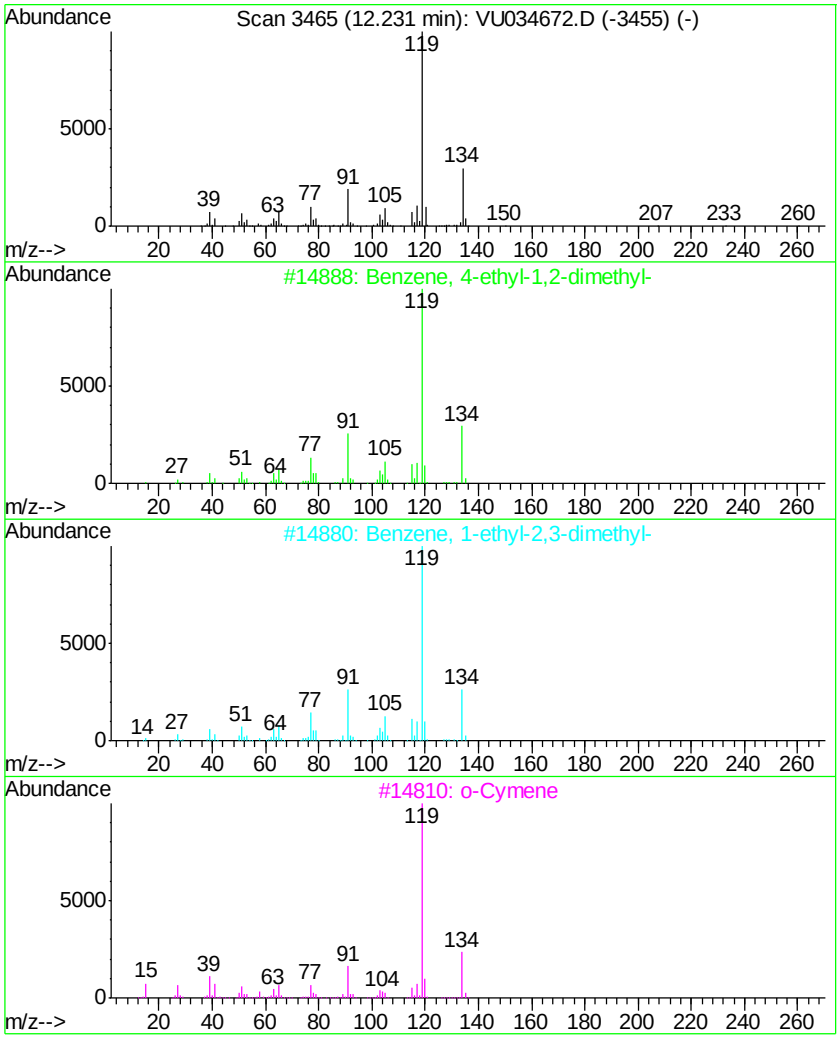
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

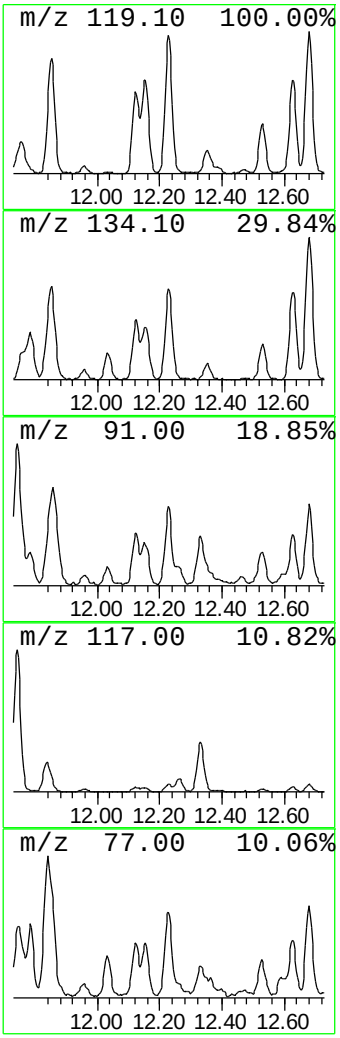
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	10.27 ug/L	337897	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	97
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	o-Cymene	134	C10H14	000527-84-4	95
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\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

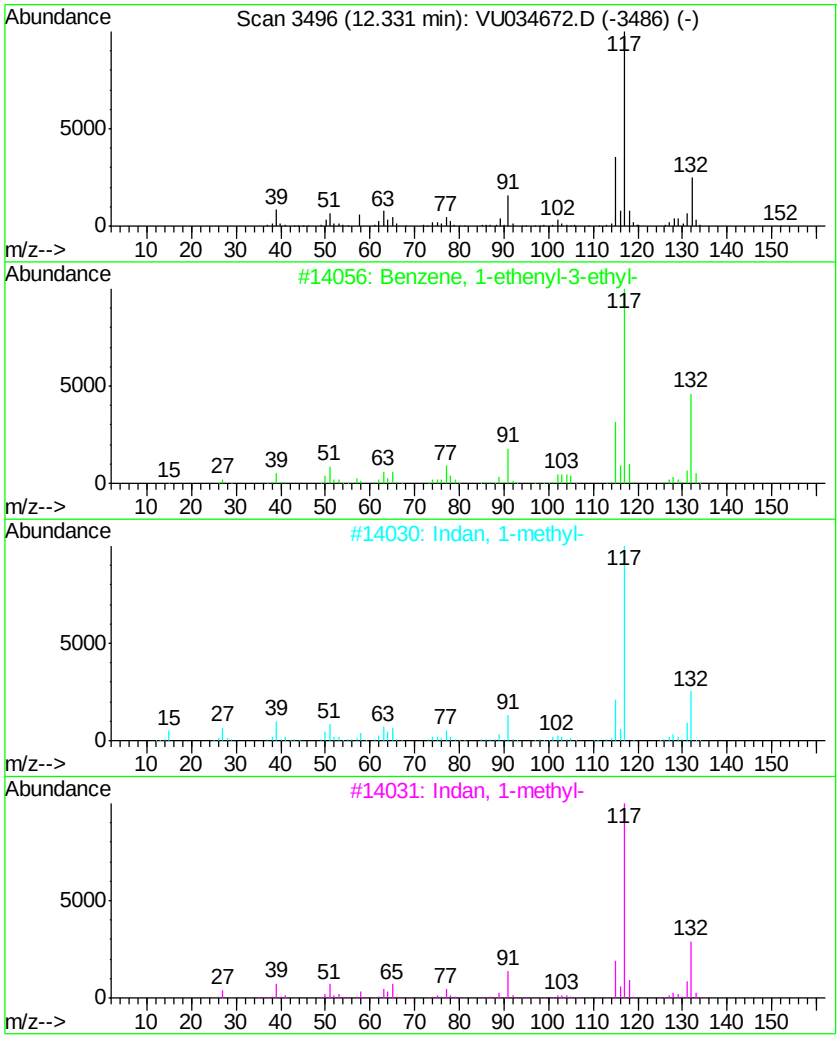
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

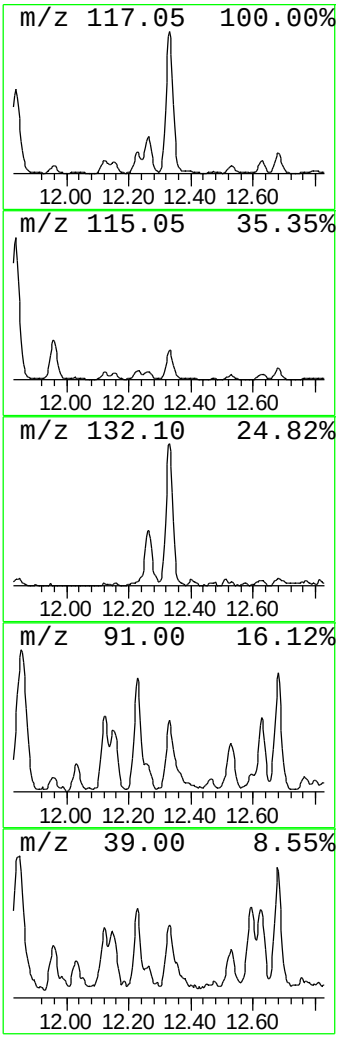
****

Peak Number 23 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	12.15 ug/L	399678	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	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

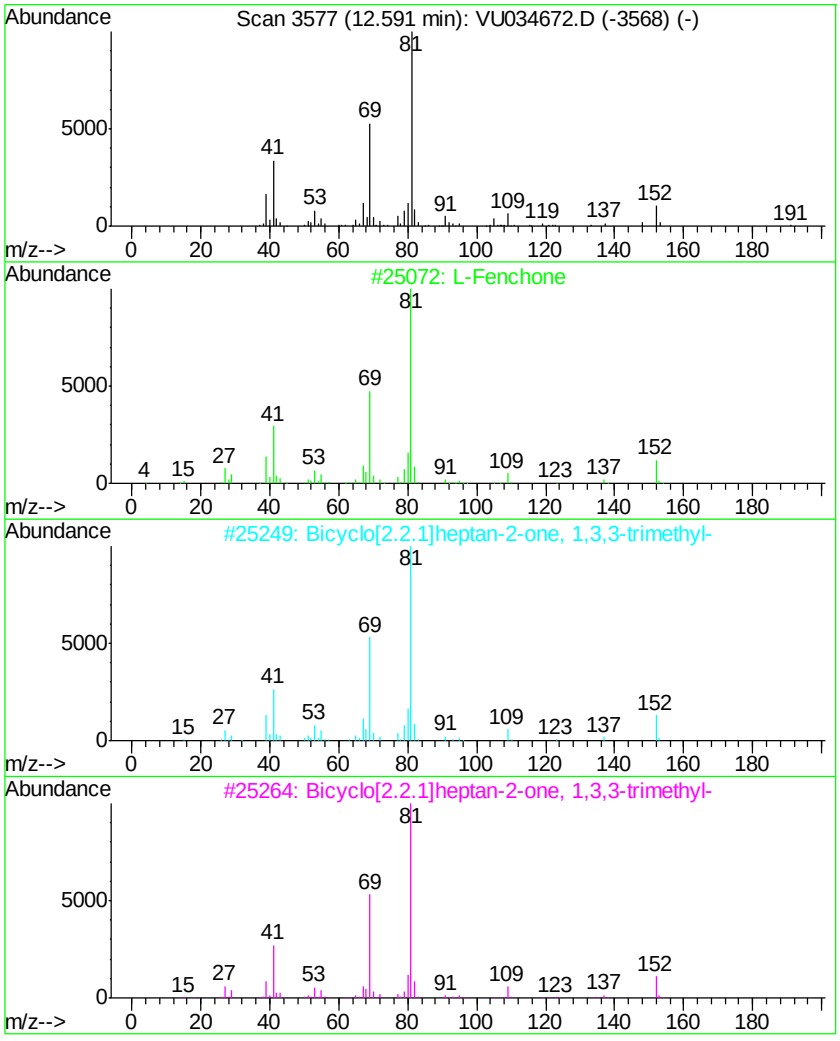
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

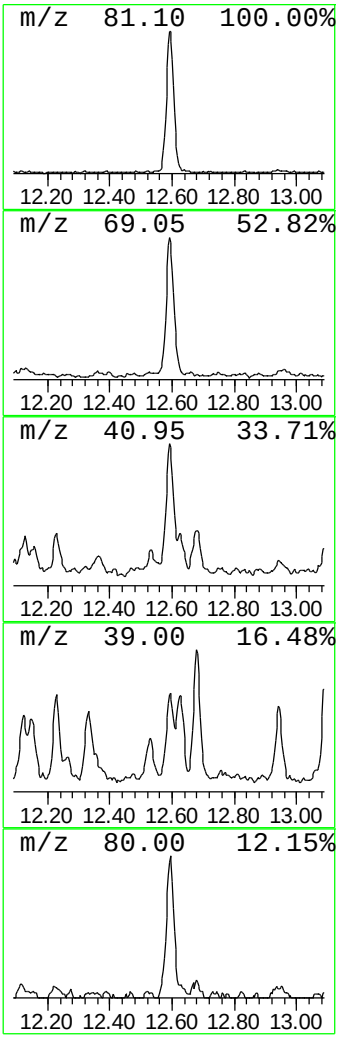
****

Peak Number 25 L-Fenchone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.65 ug/L	218670	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	93
4	D-Fenchone	152	C10H16O	004695-62-9	90
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

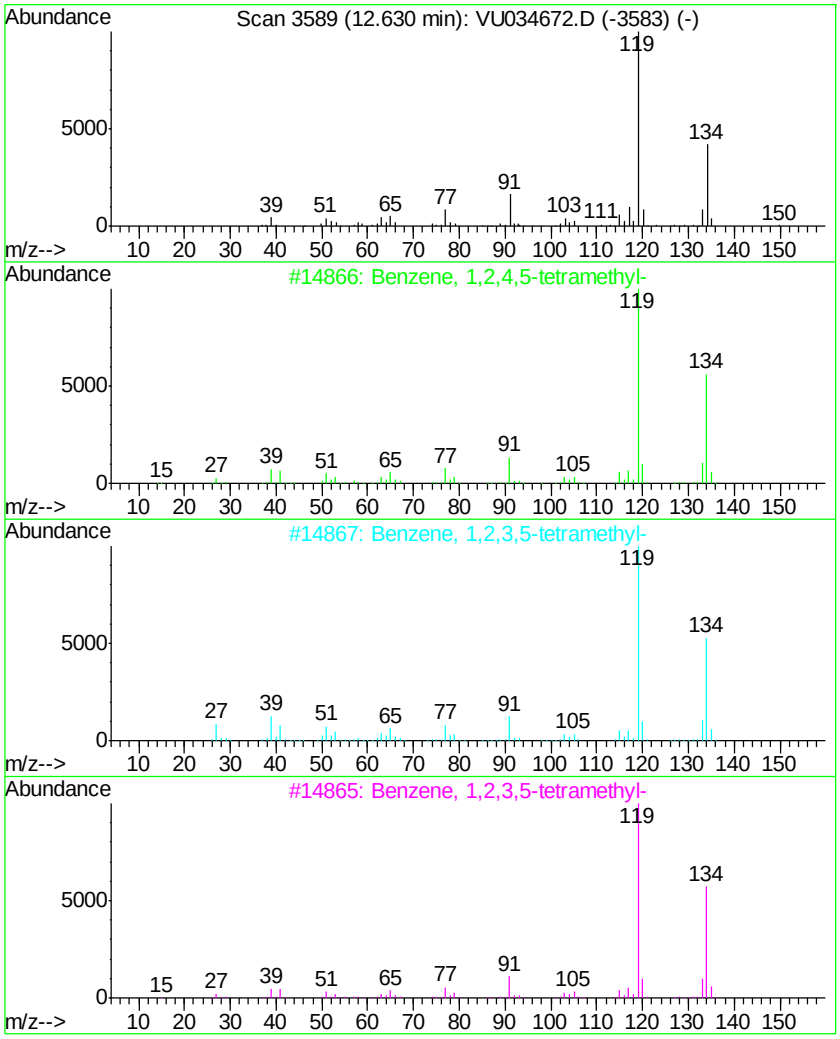
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

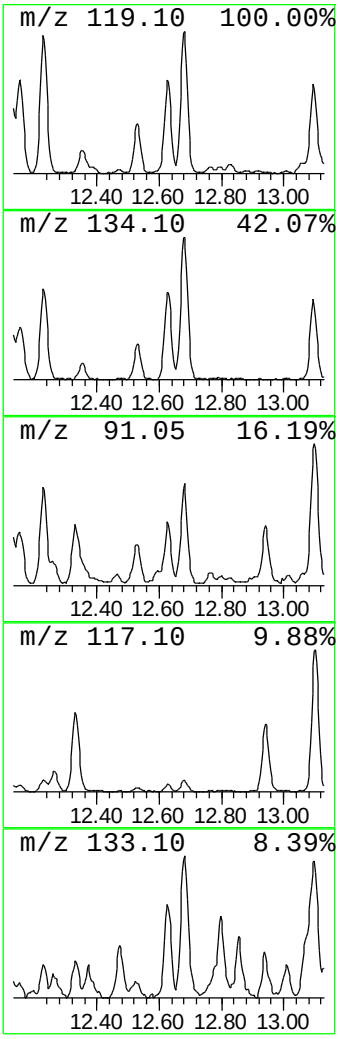
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	7.70 ug/L	253264	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

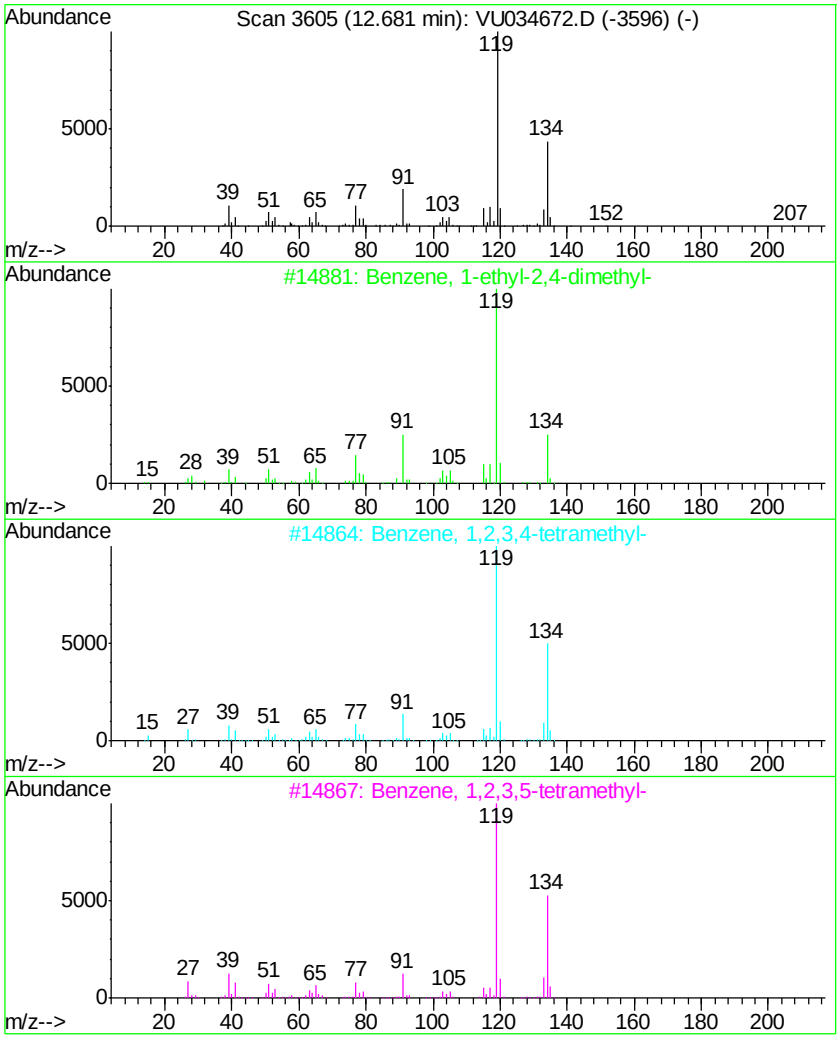
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

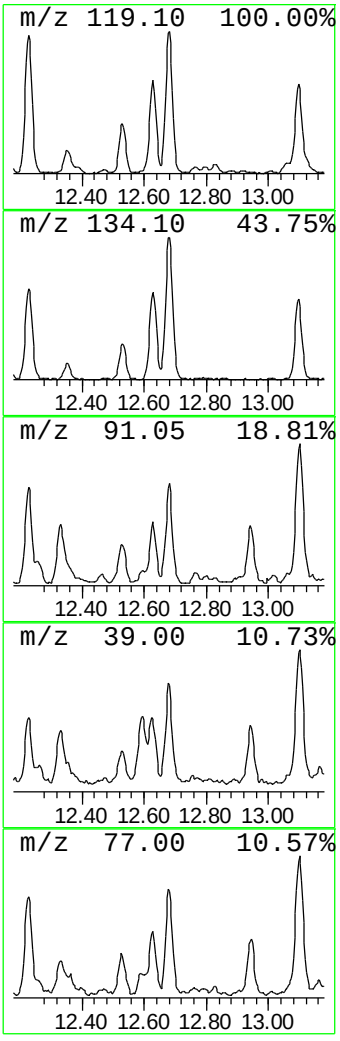
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	12.62 ug/L	415226	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

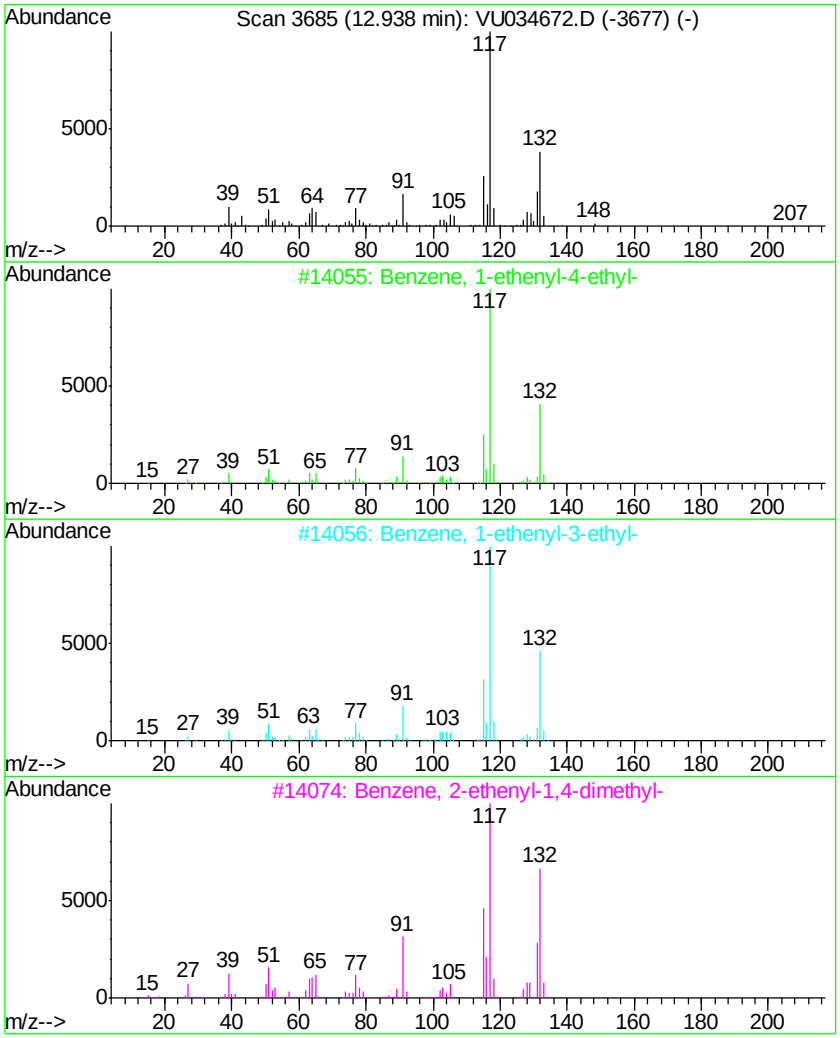
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

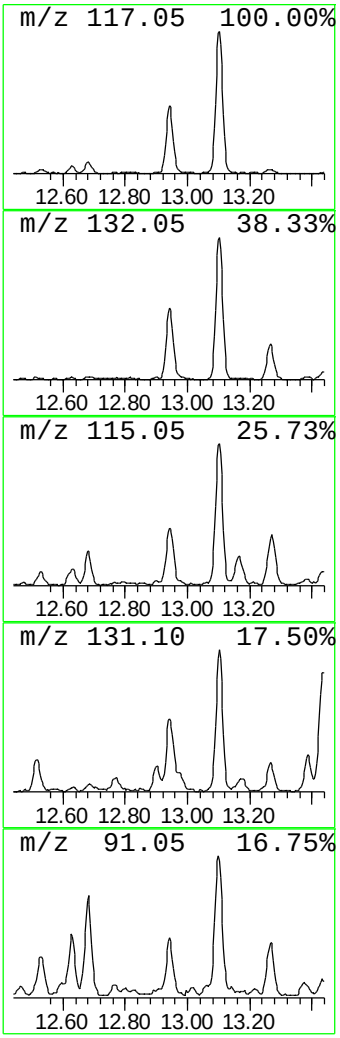
****

Peak Number 28 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	8.72 ug/L	286700	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	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
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	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

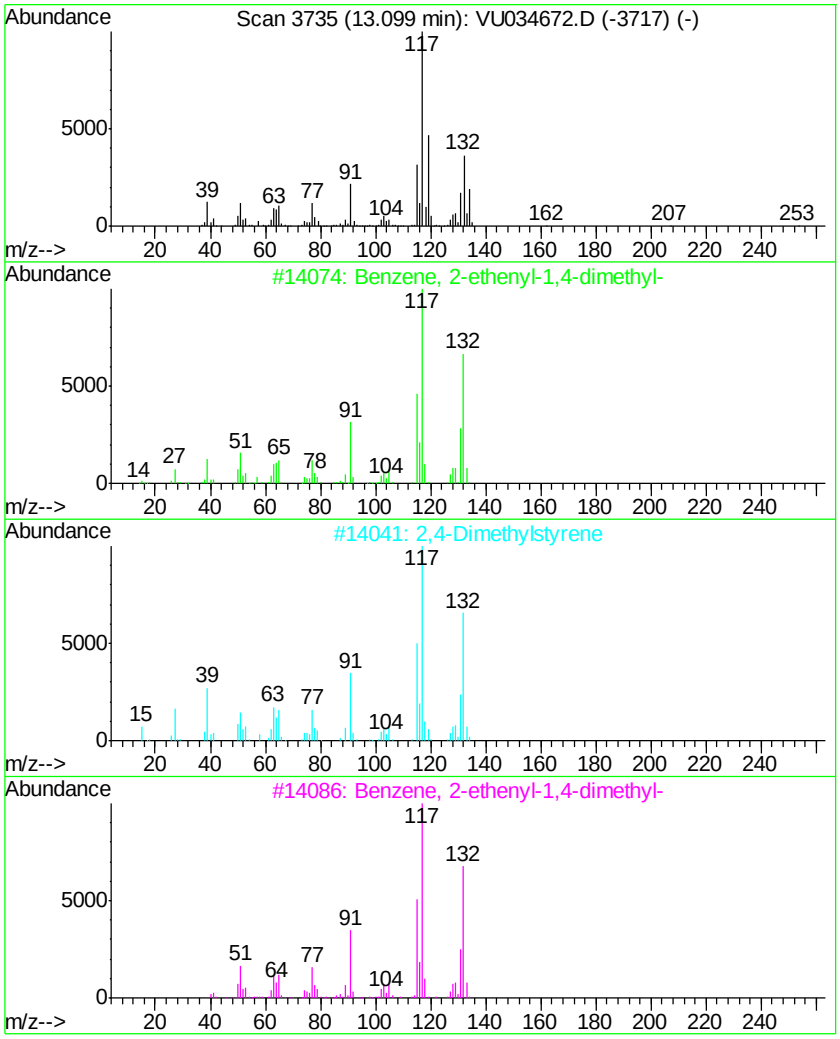
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

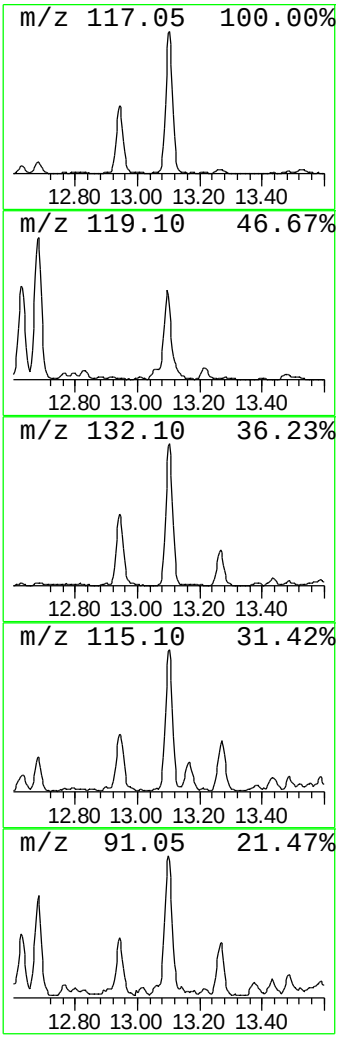
****

Peak Number 29 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	24.32 ug/L	800051	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	89
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

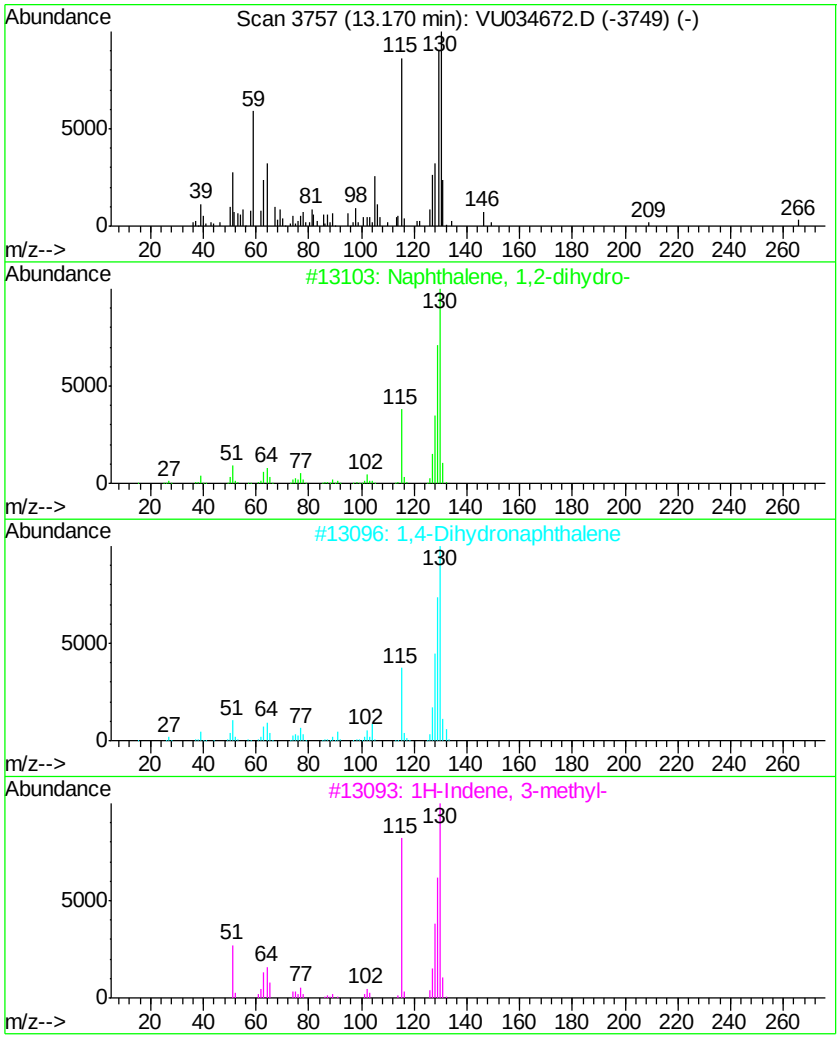
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

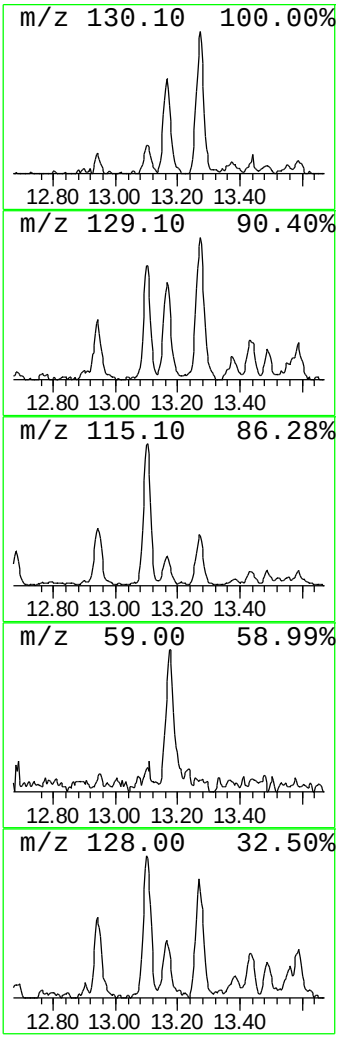
****

Peak Number 30 Naphthalene, 1,2-dihydro- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.69 ug/L	88538	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	76
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	76
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	76
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	68
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

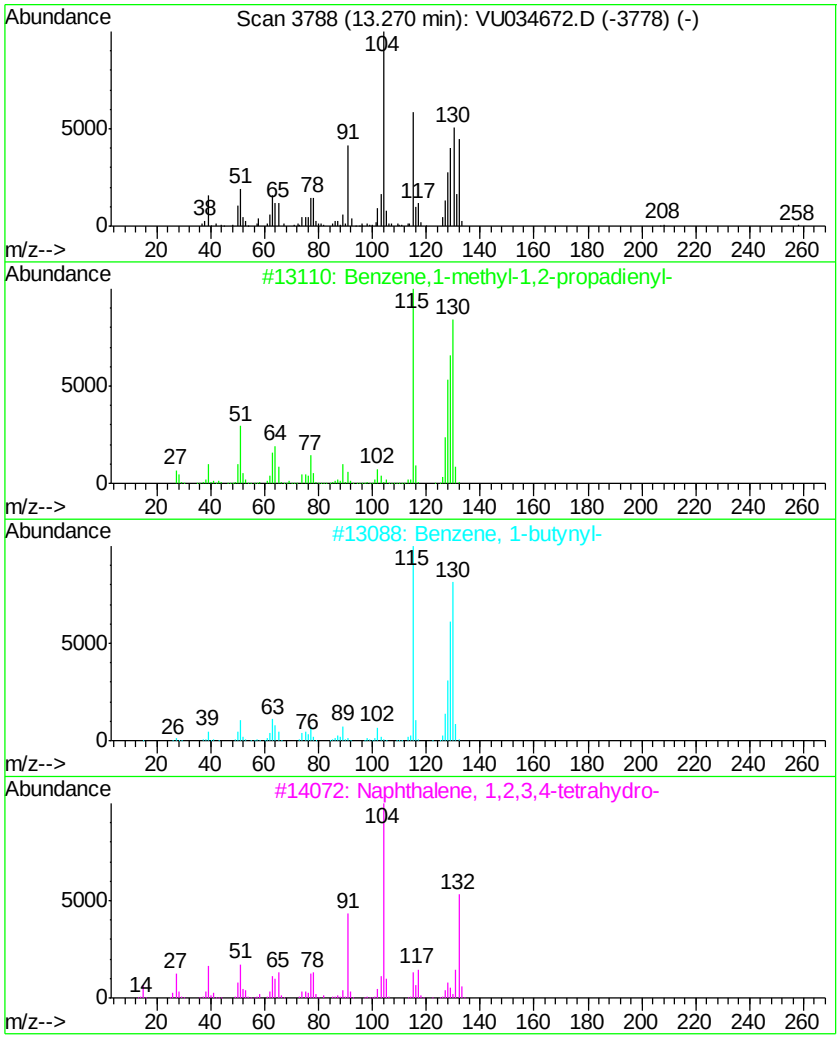
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

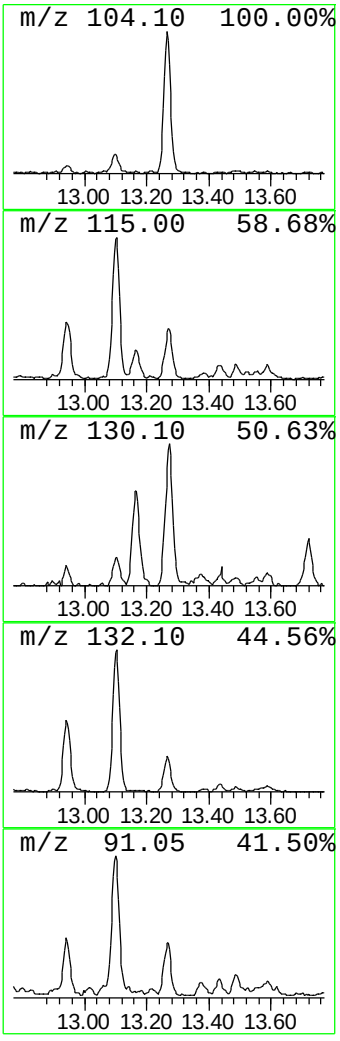
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 Benzene,1-methyl-1,2-propad... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	6.57 ug/L	216151	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	86
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	84
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

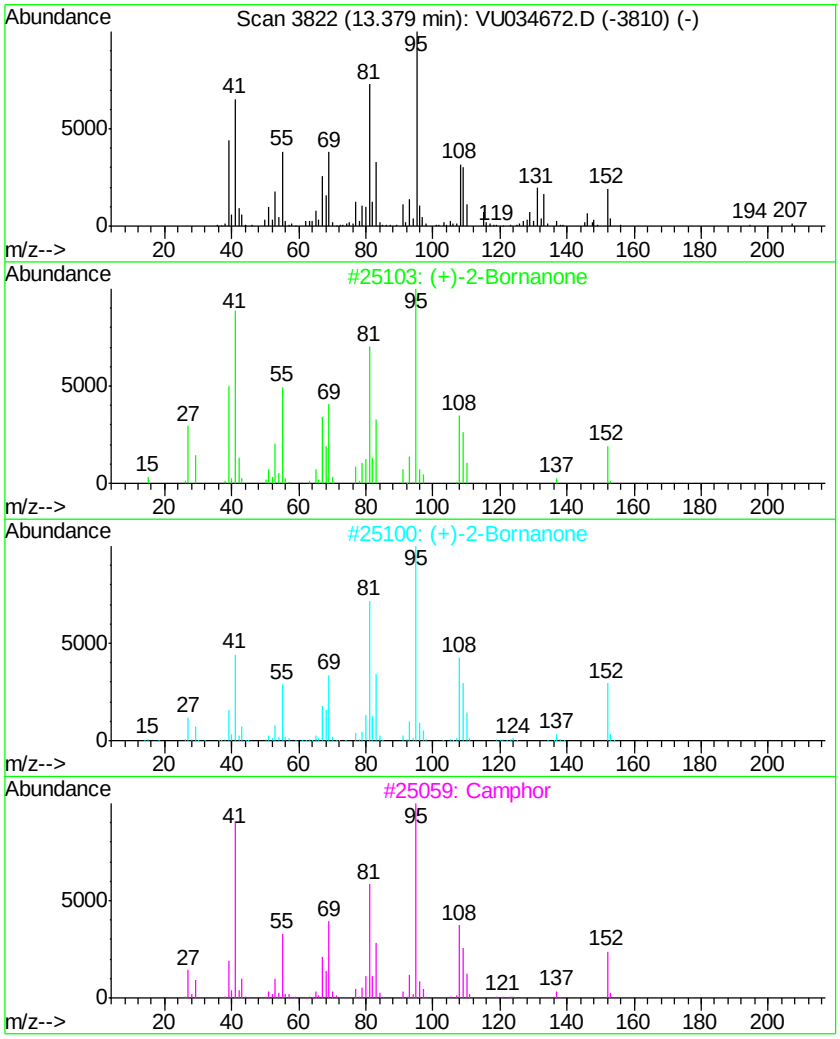
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

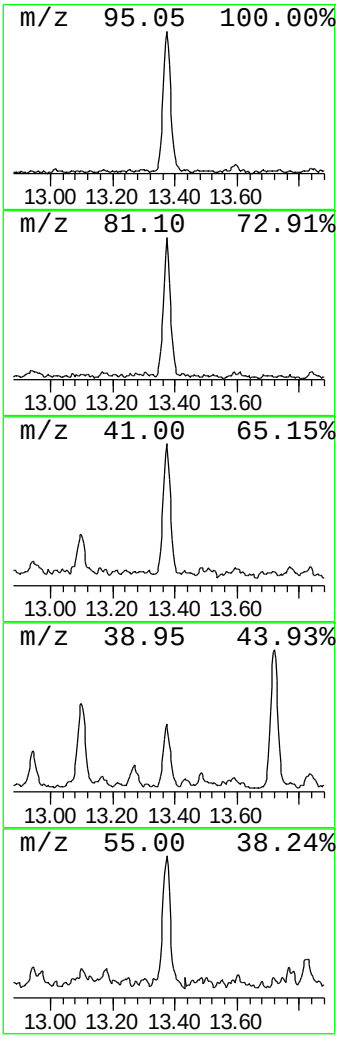
****

Peak Number 32 (+)-2-Bornanone Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	7.83 ug/L	257467	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	96
3	Camphor	152	C10H16O	000076-22-2	96
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	93
5	Camphor	152	C10H16O	000076-22-2	89





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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

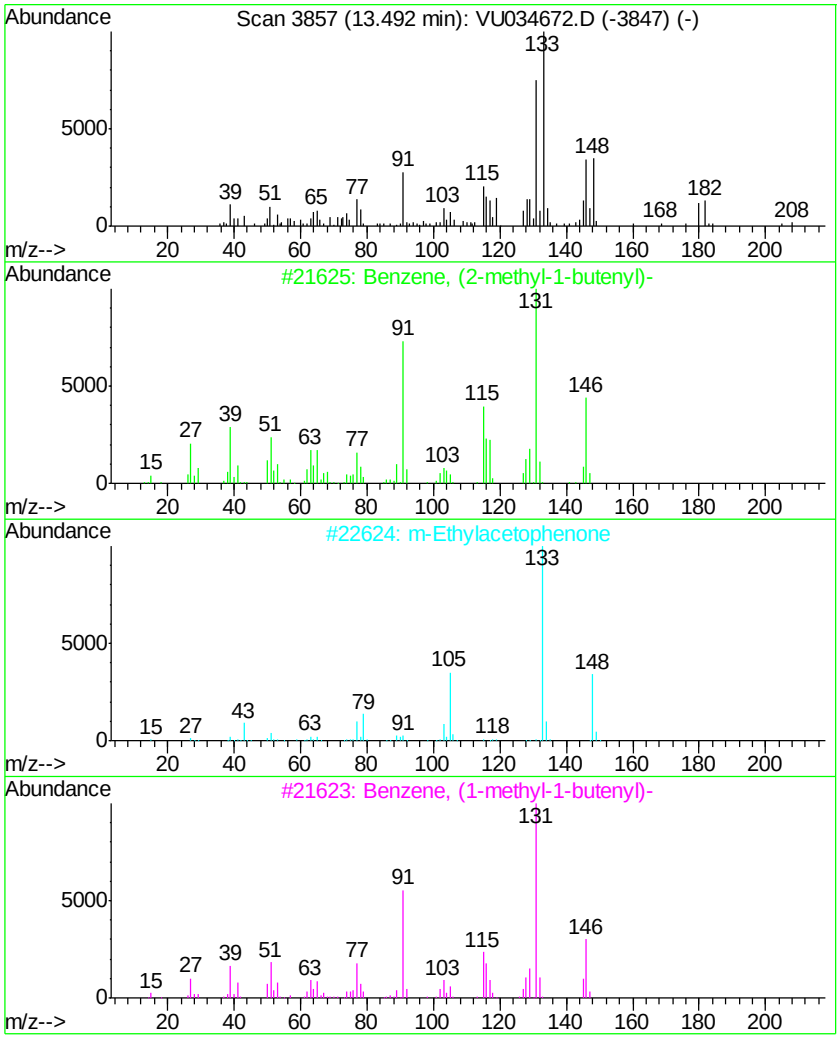
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

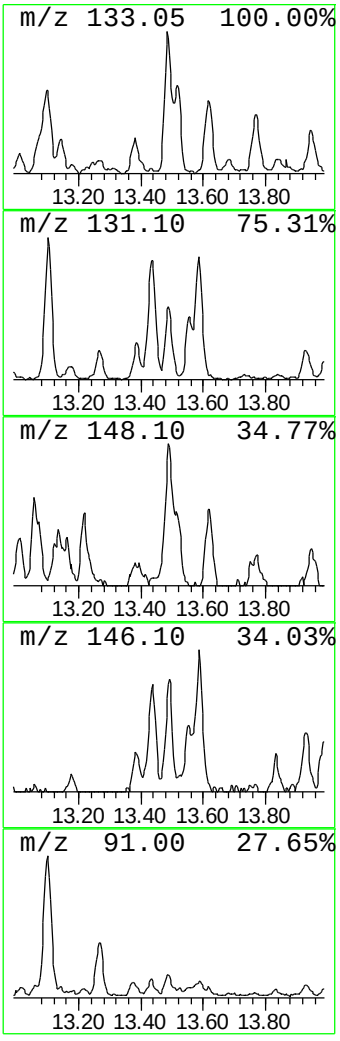
****

Peak Number 33 Benzene, (2-methyl-1-butenyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.81 ug/L	125466	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	51
2	m-Ethylacetophenone	148	C10H12O	022699-70-3	38
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	38
4	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	38
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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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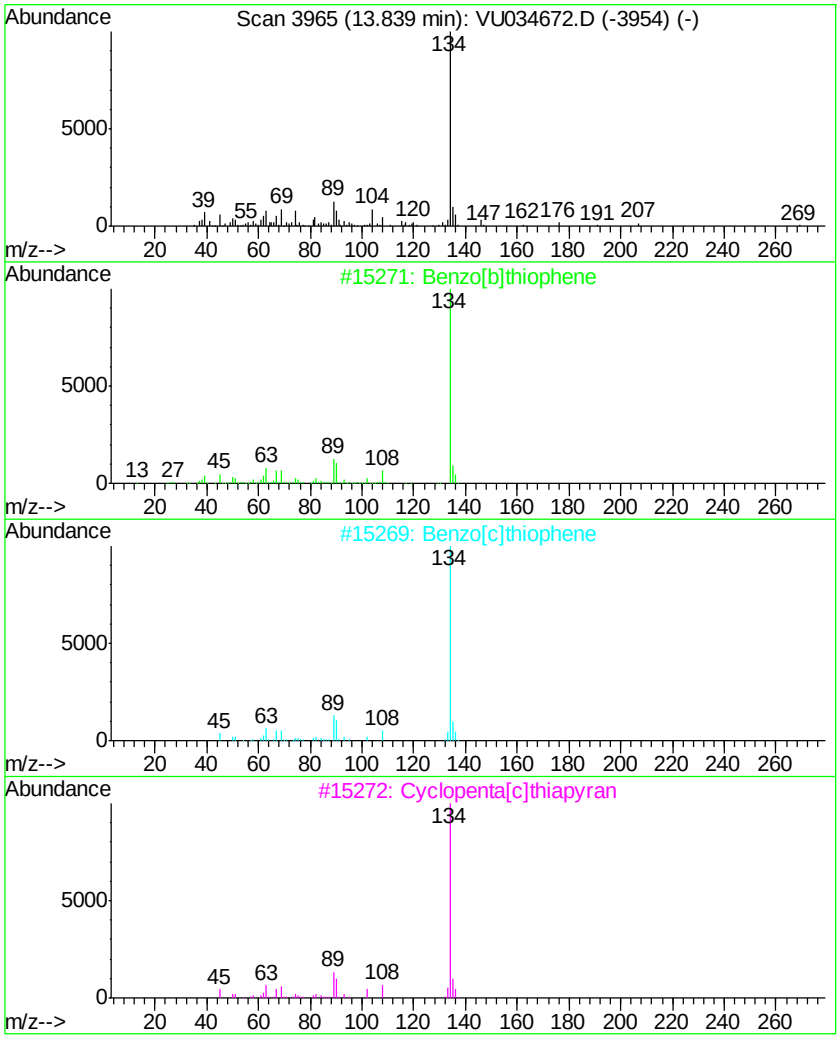
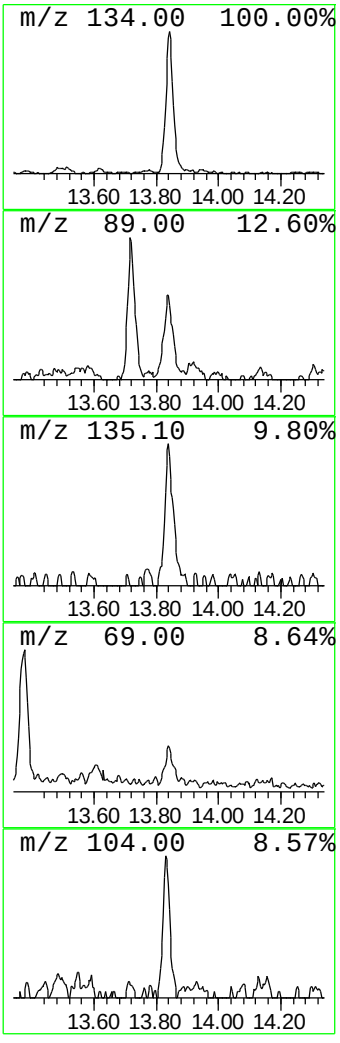
Peak Number 35 Benzo[b]thiophene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	4.52 ug/L	148818	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	90
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	87
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034672.D
Acq On : 20 Sep 2019 01:20
Operator : JC/SP
Sample : K4895-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH4

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
Isopropyl acetate	5.53	11.2	ug/L	293583	1	5.86	1316640	50.0
n-Propyl acetate	6.68	152.0	ug/L	4001680	1	5.86	1316640	50.0
Propanoic acid, 2...	8.13	17.1	ug/L	642784	2	9.07	1882420	50.0
Propanoic acid, p...	8.40	28.7	ug/L	1080670	2	9.07	1882420	50.0
Butanoic acid, 1-...	8.88	33.6	ug/L	1264560	2	9.07	1882420	50.0
Benzene, propyl-	10.57	10.2	ug/L	335056	3	11.46	1644540	50.0
Benzene, 1-ethyl-...	10.66	59.0	ug/L	1940150	3	11.46	1644540	50.0
Benzene, 1,2,3-tr...	10.75	27.2	ug/L	893313	3	11.46	1644540	50.0
4-Heptanone, 2,6-...	10.90	2.5	ug/L	83847	3	11.46	1644540	50.0
Benzene, 1-ethyl-...	10.95	26.4	ug/L	867018	3	11.46	1644540	50.0
Benzene, 1,2,4-tr...	11.13	97.1	ug/L	3192930	3	11.46	1644540	50.0
o-Cymene	11.40	2.6	ug/L	85529	3	11.46	1644540	50.0
Indane	11.74	29.3	ug/L	963677	3	11.46	1644540	50.0
Benzene, 1-methyl...	11.78	6.3	ug/L	206087	3	11.46	1644540	50.0
Indene	11.96	5.5	ug/L	180276	3	11.46	1644540	50.0
Benzene, 1-methyl...	12.03	3.6	ug/L	117408	3	11.46	1644540	50.0
Benzene, 2-ethyl-...	12.12	7.8	ug/L	256142	3	11.46	1644540	50.0
Benzene, 1,2,3,4-...	12.15	5.7	ug/L	188758	3	11.46	1644540	50.0
Benzene, 4-ethyl-...	12.23	10.3	ug/L	337897	3	11.46	1644540	50.0
Benzene, 1-etheny...	12.33	12.2	ug/L	399678	3	11.46	1644540	50.0
L-Fenchone	12.59	6.7	ug/L	218670	3	11.46	1644540	50.0
Benzene, 1,2,4,5-...	12.63	7.7	ug/L	253264	3	11.46	1644540	50.0
Benzene, 1-ethyl-...	12.68	12.6	ug/L	415226	3	11.46	1644540	50.0
Benzene, 1-etheny...	12.94	8.7	ug/L	286700	3	11.46	1644540	50.0
Benzene, 2-etheny...	13.10	24.3	ug/L	800051	3	11.46	1644540	50.0
Naphthalene, 1,2-...	13.17	2.7	ug/L	88538	3	11.46	1644540	50.0
Benzene,1-methyl-...	13.27	6.6	ug/L	216151	3	11.46	1644540	50.0
(+)-2-Bornanone	13.38	7.8	ug/L	257467	3	11.46	1644540	50.0
Benzene, (2-methy...	13.49	3.8	ug/L	125466	3	11.46	1644540	50.0
Benzo[b]thiophene	13.84	4.5	ug/L	148818	3	11.46	1644540	50.0