LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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	1.177	21	27	36	rBV3	17033	20058	0.17%	0.024%
2	1.392	85	94	106	rBV	318478	344665	2.95%	0.410%
3	1.466	111	117	126	rBV	52599	56021	0.48%	0.067%
4	1.543	132	141	146	rBV2	28428	37009	0.32%	0.044%
5	1.672	173	181	194	rVB	263548	330181	2.82%	0.393%
6	1.749	199	205	215	rVB2	23878	31543	0.27%	0.038%
7	1.942	258	265	274	rVB7	12591	21247	0.18%	0.025%
8	2.170	330	336	345	rVB	23622	34495	0.29%	0.041%
9	2.257	351	363	372	rBV	509075	762916	6.52%	0.908%
10	2.305	372	378	400	rVB	117953	198453	1.70%	0.236%
11	2.685	482	496	516	rBV2	195332	392067	3.35%	0.467%
12	2.974	574	586	604	rVB2	11183	25103	0.21%	0.030%
13	3.164	634	645	663	rBV3	24246	53071	0.45%	0.063%
14	3.543	751	763	777	rVB5	15978	38967	0.33%	0.046%
15	3.868	850	864	881	rVB6	10200	25010	0.21%	0.030%
16	4.067	911	926	940	rBV4	28455	77160	0.66%	0.092%
17	4.151	940	952	973	rBV2	238248	623014	5.33%	0.742%
18	4.620	1083	1098	1119	rBV	344817	816009	6.98%	0.971%
19	4.752	1129	1139	1154	rVB3	22390	51093	0.44%	0.061%
20	4.971	1191	1207	1224	rBV3	31137	76717	0.66%	0.091%
21	5.318	1290	1315	1323	rBV2	745932	2176949	18.61%	2.591%
22	5.366	1324	1330	1353	rVB	414368	831715	7.11%	0.990%
23	5.527	1366	1380	1400	rBV2	74843	163595	1.40%	0.195%
24	5.765	1442	1454	1467	rBV7	9920	22833	0.20%	0.027%
25	5.865	1471	1485	1502	rBV	569222	1176546	10.06%	1.401%
26	6.308	1604	1623	1639	rBV	507078	1040720	8.90%	1.239%
27	6.398	1643	1651	1678	rVB6	43123	109858	0.94%	0.131%
28	6.562	1694	1702	1705	rBV2	14316	20458	0.17%	0.024%
29	6.681	1727	1739	1768	rBV	1810038	3262874	27.90%	3.884%
30	7.045	1837	1852	1862	rBV4	23331	45619	0.39%	0.054%
31	7.206	1884	1902	1922	rBV	292069	545850	4.67%	0.650%
32	7.398	1951	1962	1973	rBV	221097	400889	3.43%	0.477%
33	7.543	1988	2007	2018	rBV	1032520	1844566	15.77%	2.196%
34	7.614	2018	2029	2044	rVB	2638544	4484939	38.34%	5.339%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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	7.826	2085	2095	2113	rBV3	251319	453757	3.88%	0.540%
36	8.135	2179	2191	2206	rBV	340500	570096	4.87%	0.679%
37	8.209	2206	2214	2218	rBV4	25767	37593	0.32%	0.045%
38	8.241	2219	2224	2229	rVV3	36380	44617	0.38%	0.053%
39	8.289	2229	2239	2261	rVV	987216	1661611	14.21%	1.978%
40	8.395	2262	2272	2284	rBV	620640	948861	8.11%	1.130%
41	8.511	2301	2308	2319	rVB2	30259	48753	0.42%	0.058%
42	8.881	2411	2423	2437	rBV	723591	1159000	9.91%	1.380%
43	9.067	2457	2481	2510	rBV	871533	1598382	13.67%	1.903%
44	9.228	2518	2531	2553	rBV	2122318	3424226	29.28%	4.076%
45	9.350	2555	2569	2602	rVB	7249633	11696733	100.00%	13.924%
46	9.588	2635	2643	2652	rVB3	19365	28454	0.24%	0.034%
47	9.755	2682	2695	2724	rVB	4031378	6485755	55.45%	7.721%
48	10.022	2770	2778	2784	rVV9	13293	25776	0.22%	0.031%
49	10.057	2785	2789	2800	rVV8	11819	19549	0.17%	0.023%
50	10.144	2802	2816	2830	rVB	173706	292702	2.50%	0.348%
51	10.408	2886	2898	2914	rBV	704311	1139681	9.74%	1.357%
52	10.562	2934	2946	2962	rVV	389889	646812	5.53%	0.770%
53	10.656	2964	2975	2994	rVV	1587839	3292554	28.15%	3.920%
54	10.749	2994	3004	3022	rVB	916968	1407031	12.03%	1.675%
55	10.893	3037	3049	3056	rBV	140971	220398	1.88%	0.262%
56	10.948	3056	3066	3090	rVB	845950	1383714	11.83%	1.647%
57	11.125	3108	3121	3137	rBV	3516392	5355324	45.78%	6.375%
58	11.299	3170	3175	3186	rVB2	53021	77596	0.66%	0.092%
59	11.402	3194	3207	3214	rBV2	113200	192711	1.65%	0.229%
60	11.459	3214	3225	3241	rVV	925473	1554875	13.29%	1.851%
61	11.546	3241	3252	3266	rVV	1321203	2051251	17.54%	2.442%
62	11.742	3301	3313	3322	rBV	877857	1515254	12.95%	1.804%
63	11.784	3322	3326	3333	rVB	174253	211169	1.81%	0.251%
64	11.842	3333	3344	3368	rVB4	1398501	3237146	27.68%	3.854%
65	11.958	3371	3380	3390	rBV	120933	189347	1.62%	0.225%
66	12.032	3394	3403	3417	rVB	110226	185039	1.58%	0.220%
67	12.122	3420	3431	3437	rBV2	425010	702494	6.01%	0.836%
68	12.228	3455	3464	3472	rBV	358440	546093	4.67%	0.650%
69	12.331	3486	3496	3526	rVB2	263749	550768	4.71%	0.656%
70	12.469	3530	3539	3546	rBV10	16322	29009	0.25%	0.035%
71	12.530	3548	3558	3567	rVV	136554	222515	1.90%	0.265%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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	12.591	3567	3577	3583	rVV	289481	478634	4.09%	0.570%
73	12.627	3583	3588	3596	rVV	269971	394464	3.37%	0.470%
74	12.681	3596	3605	3618	rVB	410948	635158	5.43%	0.756%
75	12.765	3624	3631	3636	rBV6	22435	32762	0.28%	0.039%
76	12.797	3637	3641	3646	rVV3	21201	27000	0.23%	0.032%
77	12.942	3676	3686	3699	rVB	296171	449612	3.84%	0.535%
78	13.009	3702	3707	3715	rVB5	19109	27711	0.24%	0.033%
79	13.099	3715	3735	3746	rBV2	731695	1265053	10.82%	1.506%
80	13.167	3748	3756	3766	rVB3	145933	248542	2.12%	0.296%
81	13.270	3778	3788	3799	rBV2	171253	292543	2.50%	0.348%
82	13.372	3810	3820	3831	rVB2	276433	466590	3.99%	0.555%
83	13.434	3832	3839	3847	rVB2	60055	86361	0.74%	0.103%
84	13.488	3847	3856	3871	rBV5	90754	177193	1.51%	0.211%
85	13.556	3872	3877	3881	rBV3	18984	22182	0.19%	0.026%
86	13.588	3881	3887	3893	rVB	39310	48462	0.41%	0.058%
87	13.720	3912	3928	3952	rBV	2201005	3572228	30.54%	4.252%
88	13.839	3955	3965	3977	rVB	92580	178121	1.52%	0.212%
89	13.922	3982	3991	4005	rVV8	47270	118869	1.02%	0.142%
90	13.990	4006	4012	4022	rVB2	31686	48641	0.42%	0.058%
91	14.131	4046	4056	4075	rBV2	66255	127476	1.09%	0.152%
92	14.315	4103	4113	4126	rBV4	54731	131455	1.12%	0.156%
93	14.453	4149	4156	4167	rBV4	24879	44130	0.38%	0.053%
94	14.517	4167	4176	4190	rVB3	49784	95253	0.81%	0.113%
95	14.659	4213	4220	4231	rVB8	22991	42913	0.37%	0.051%
96	14.800	4255	4264	4270	rVV3	24784	36681	0.31%	0.044%
97	14.855	4270	4281	4307	rVB	522552	909352	7.77%	1.083%
98	15.041	4328	4339	4353	rBV	379751	634970	5.43%	0.756%
99	15.594	4504	4511	4523	rVB7	12859	24580	0.21%	0.029%
100	16.044	4642	4651	4658	rBV5	20196	37884	0.32%	0.045%

Sum of corrected areas: 84003676

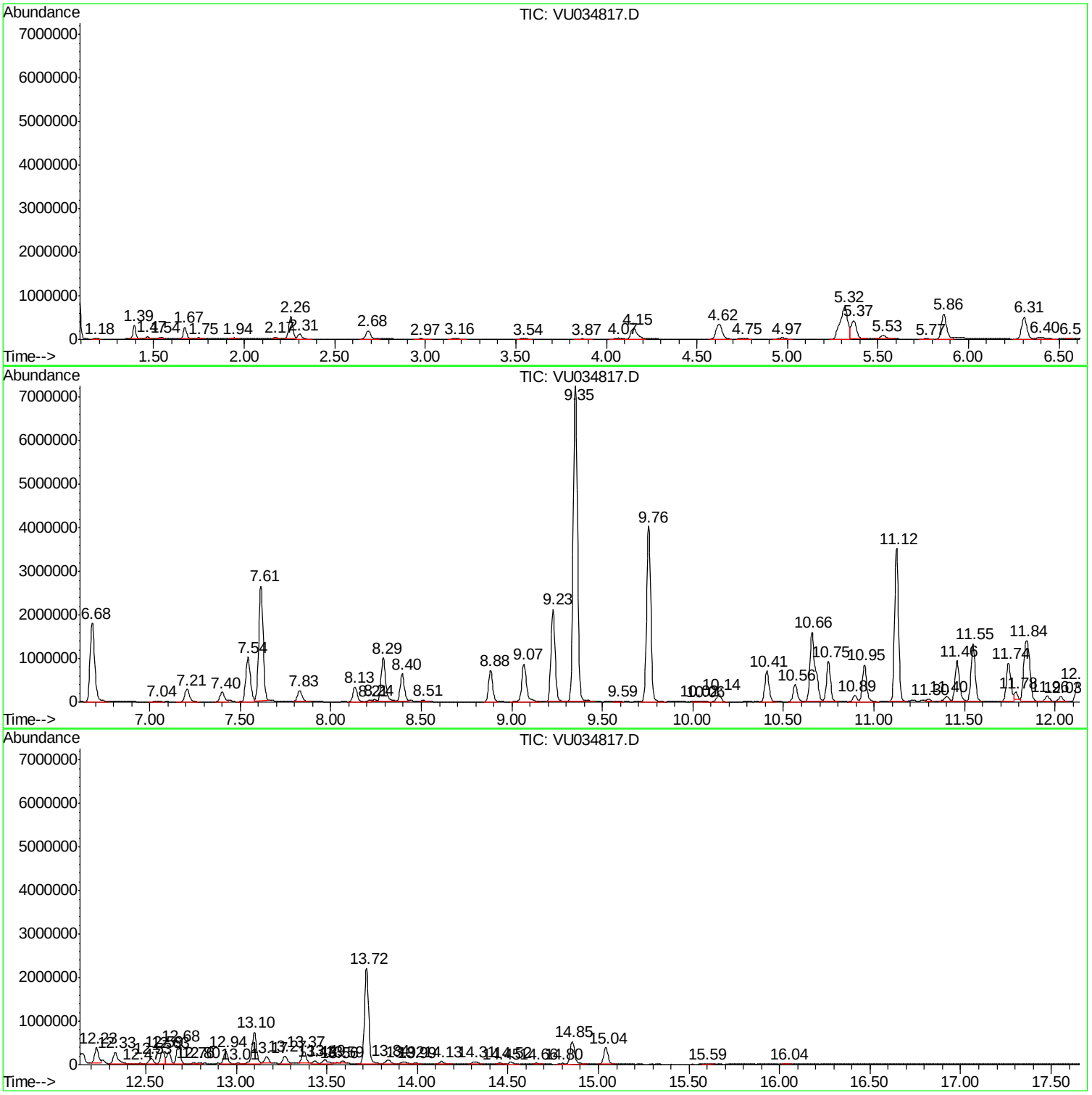
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

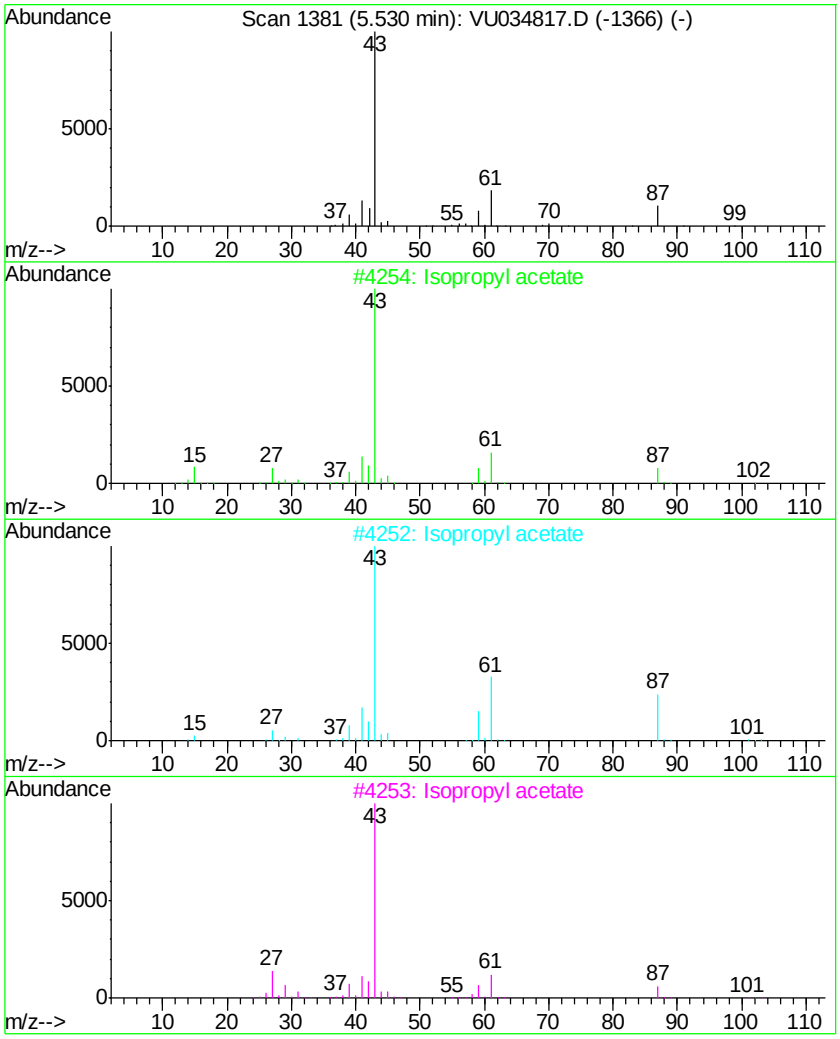
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

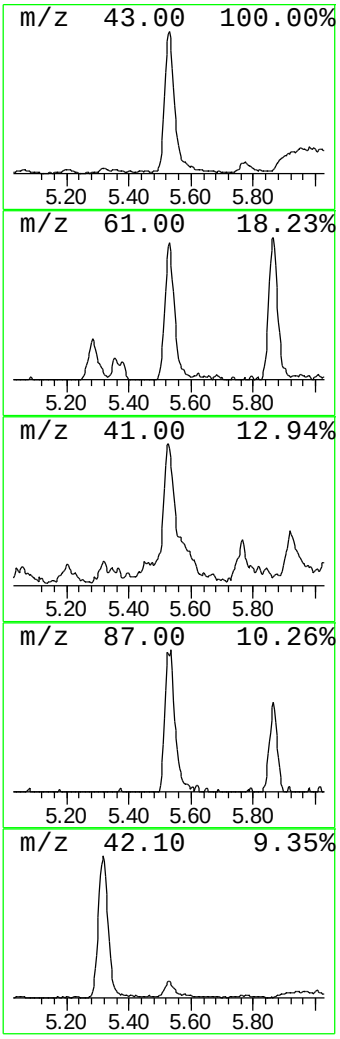
****

Peak Number 2 Isopropyl acetate Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	6.95 ug/L	163595	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	72
3	Isopropyl acetate	102	C5H10O2	000108-21-4	64
4	Isopropyl acetate	102	C5H10O2	000108-21-4	59
5	2-Pentanol, acetate	130	C7H14O2	000626-38-0	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

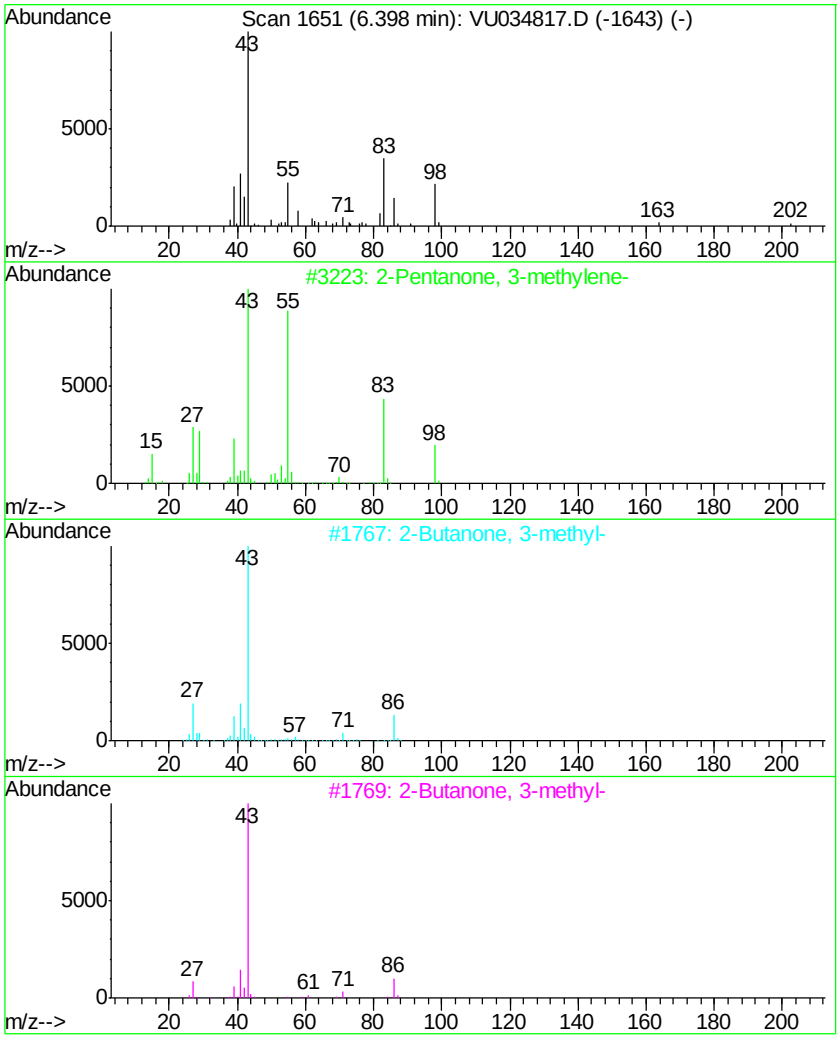
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

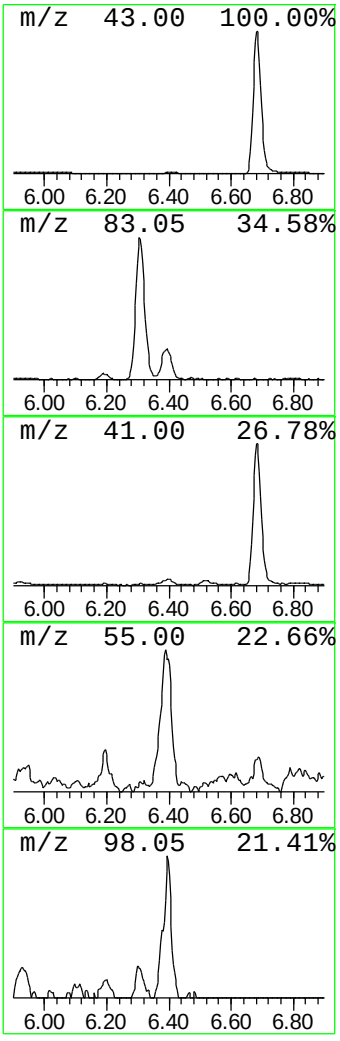
****

Peak Number 3 unknown-01 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	4.67 ug/L	109858	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methylene-	98	C6H10O	004359-77-7	42
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	27
3	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	16
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	12
5	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

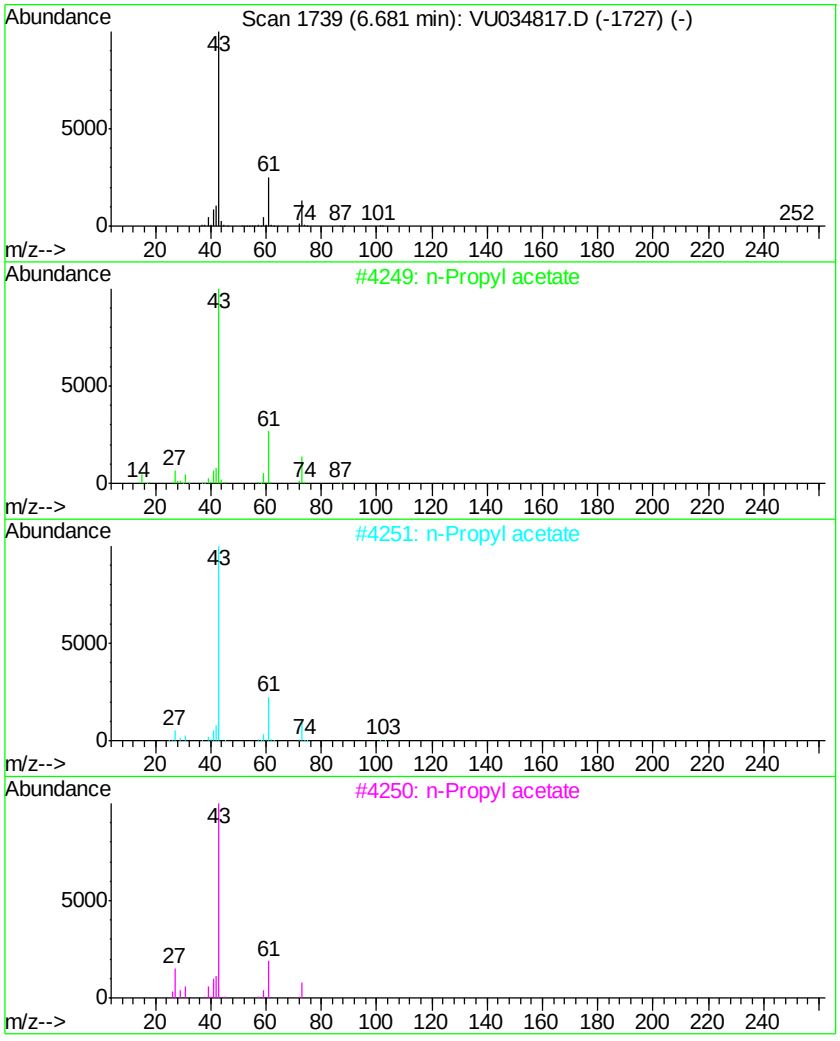
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

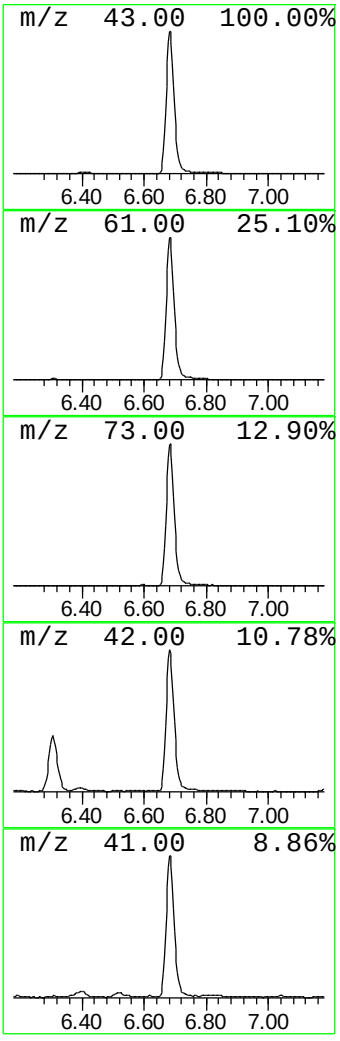
****

Peak Number 4 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	138.66 ug/L	3262870	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	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

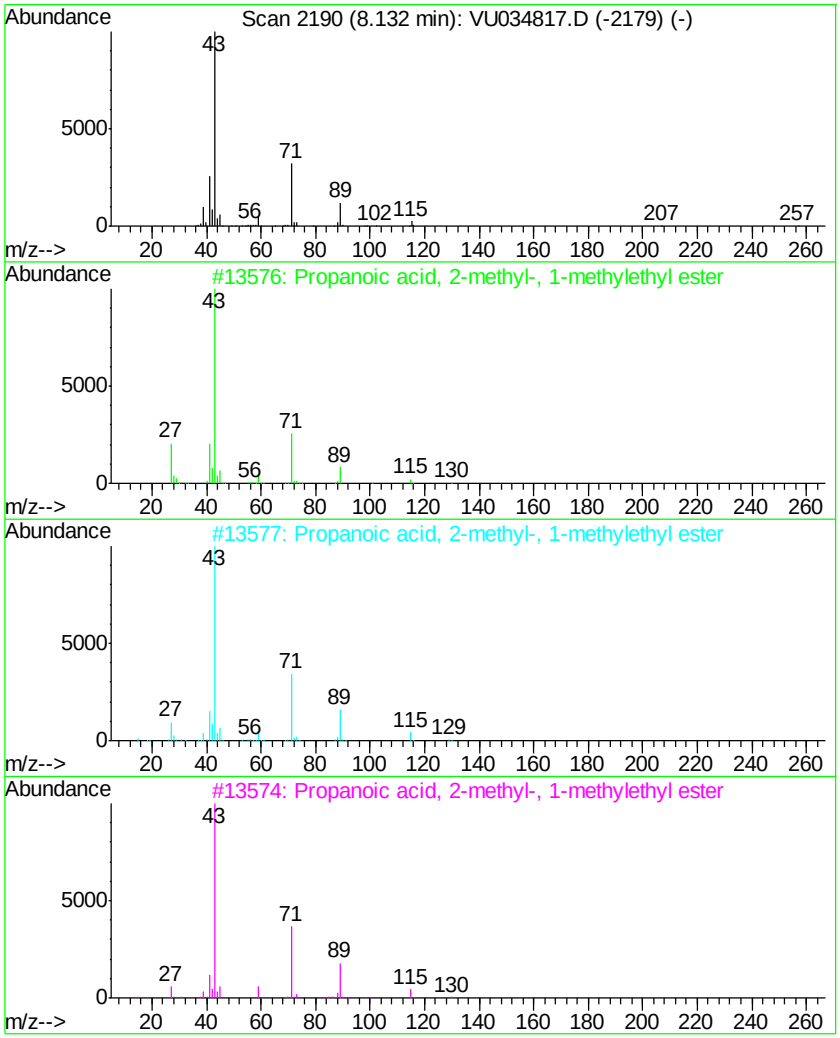
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

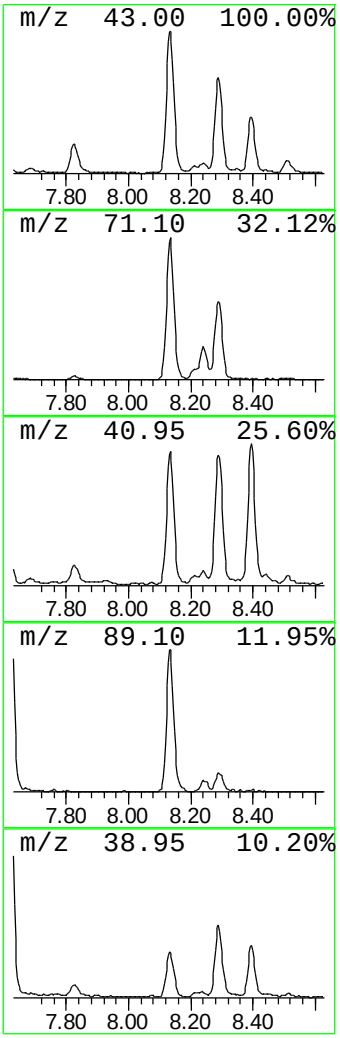
****

Peak Number 6 Propanoic acid, 2-methyl-, ... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.83 ug/L	570096	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	83
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	78
5	Butanoic acid, pentyl ester	158	C9H18O2	000540-18-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

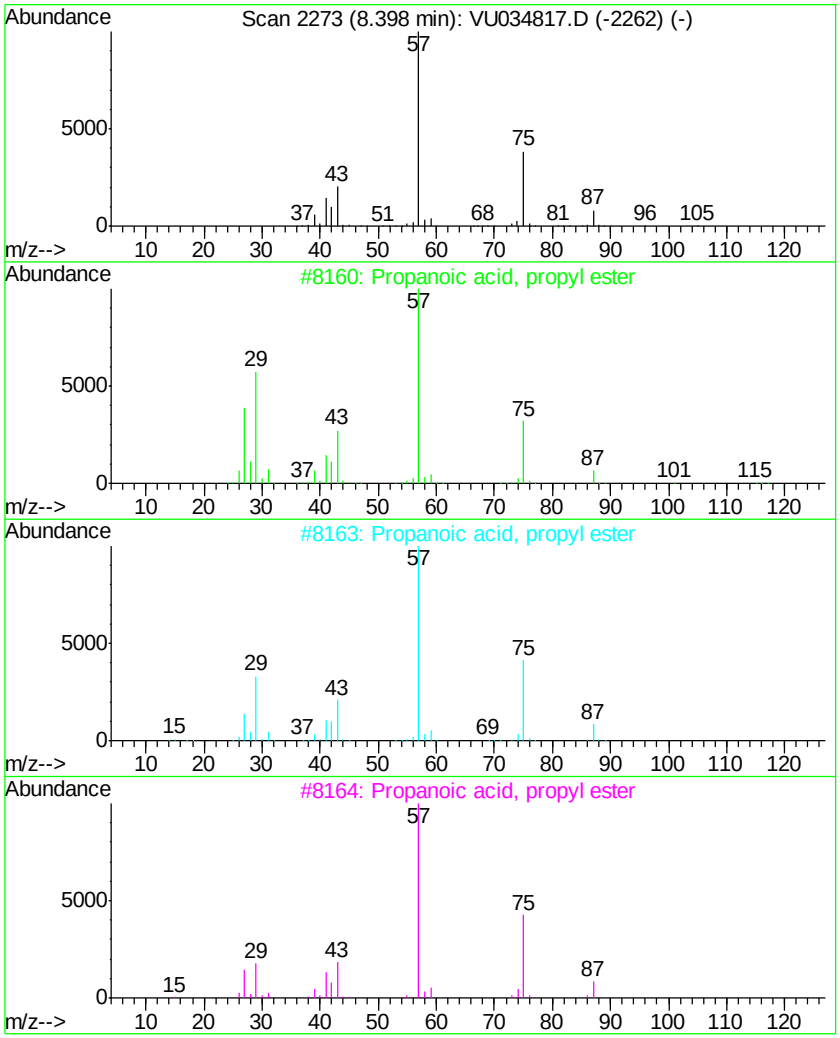
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

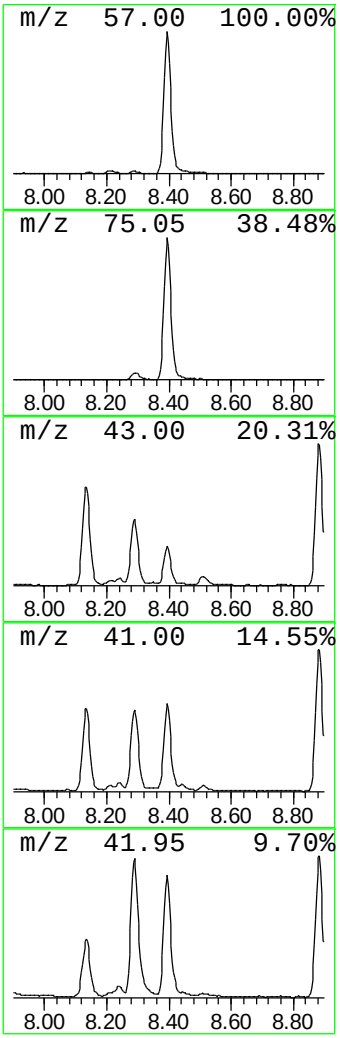
****

Peak Number 7 Propanoic acid, propyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	29.68 ug/L	948861	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
3	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
4	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	78
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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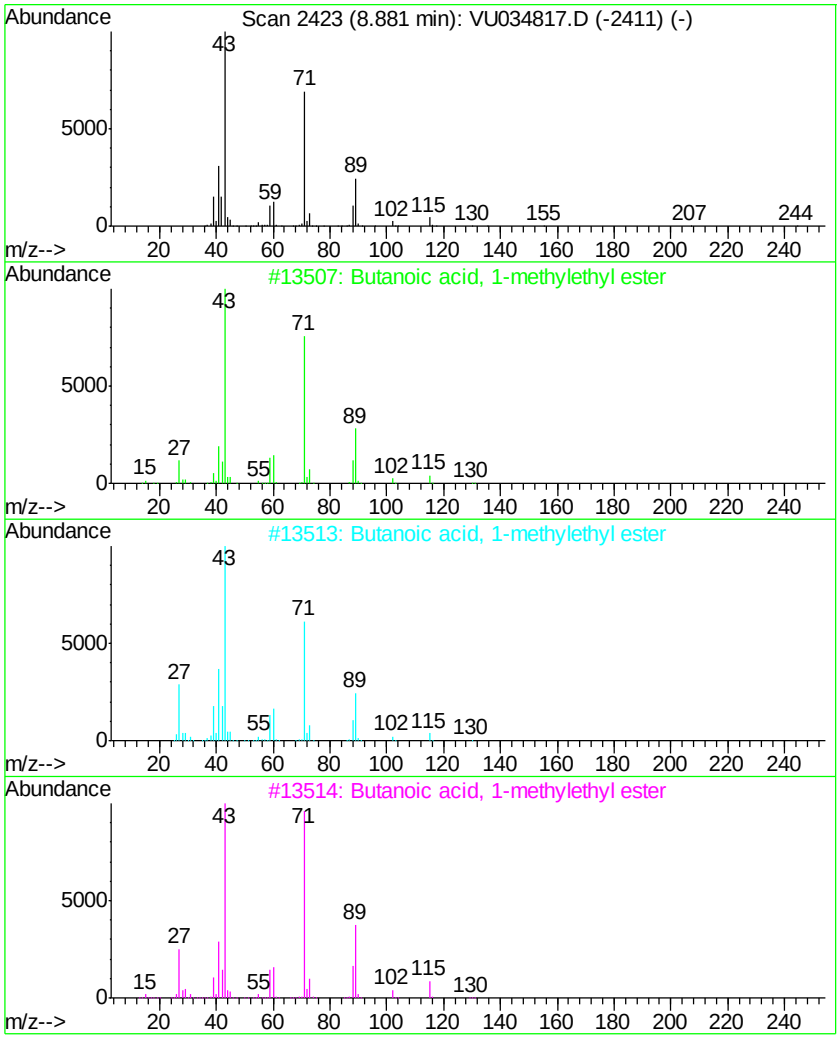
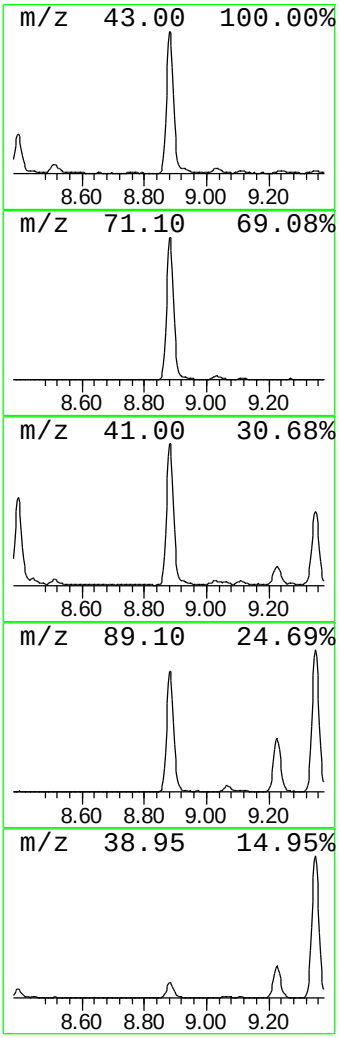
Peak Number 8 Butanoic acid, 1-methylethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	36.26 ug/L	1159000	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	86
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	72





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

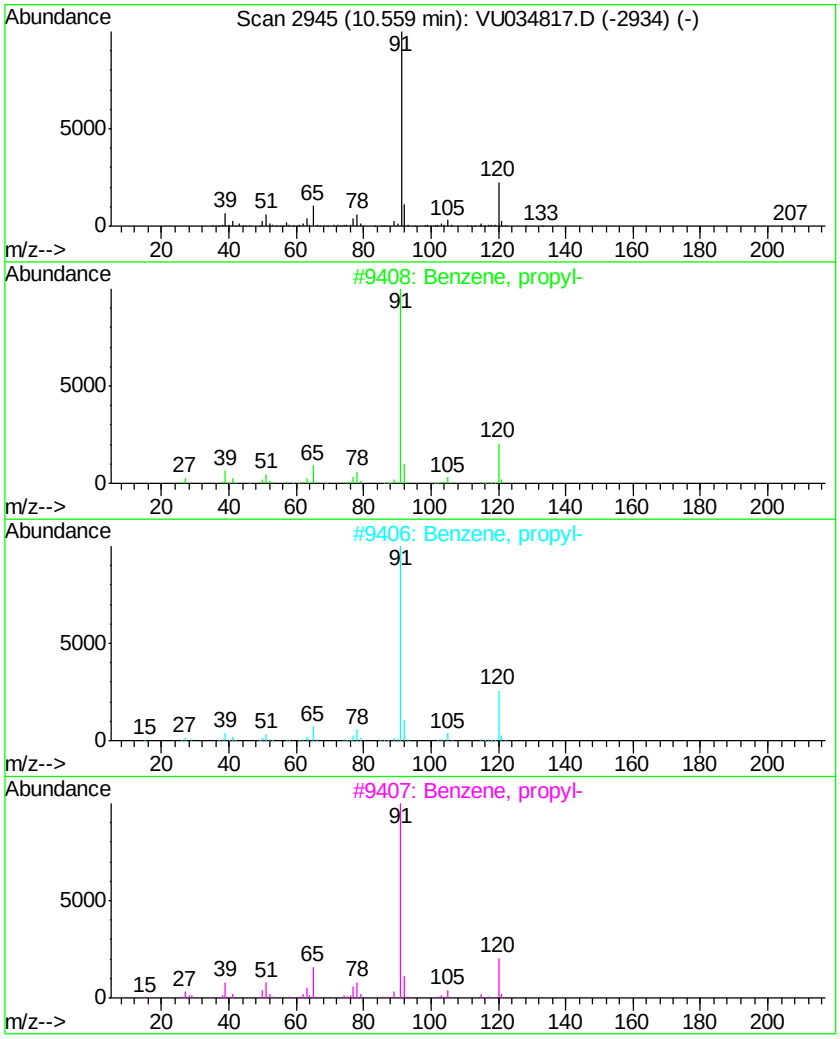
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

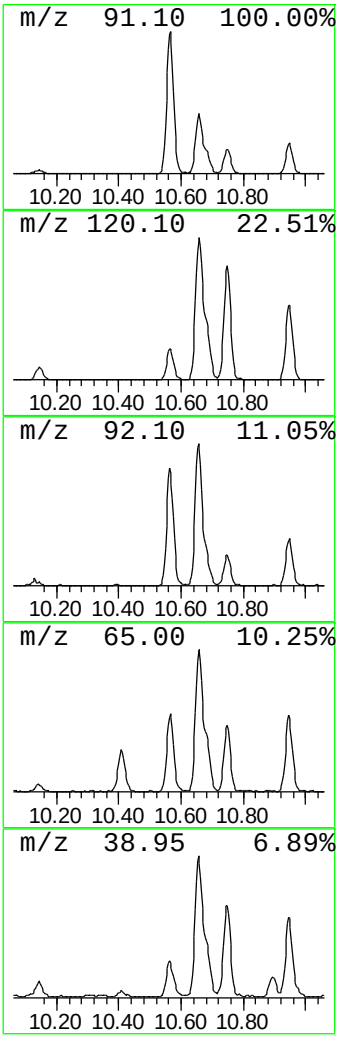
****

Peak Number 9 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	20.80 ug/L	646812	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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	81
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	64





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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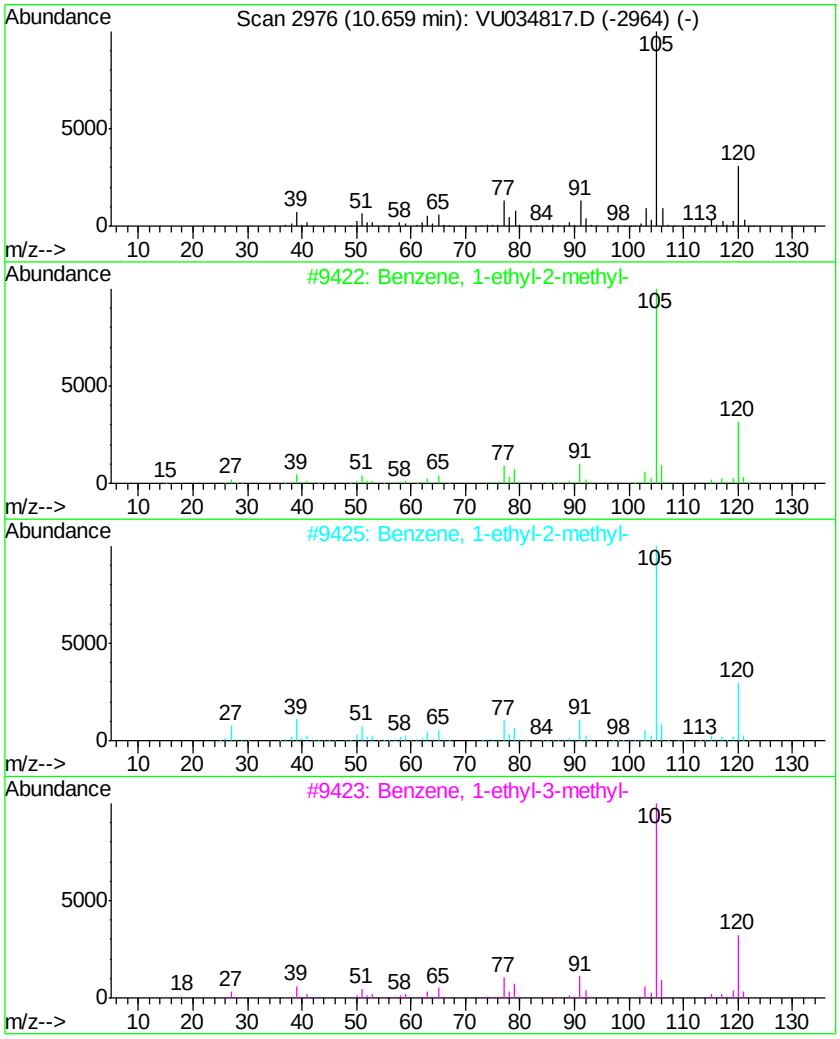
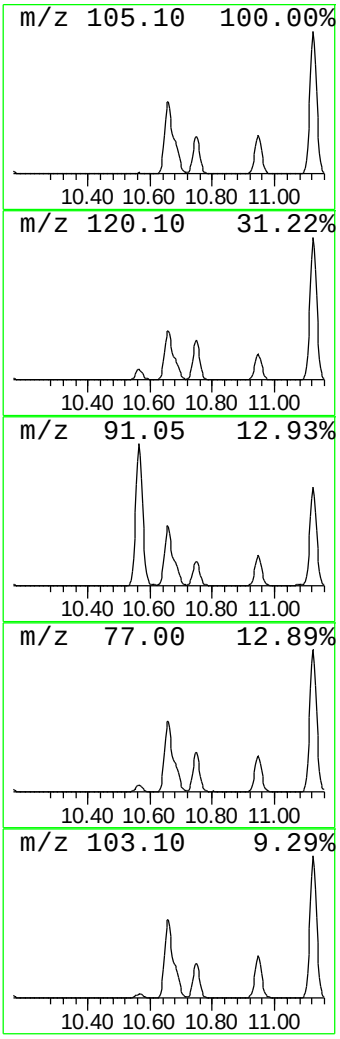
Peak Number 10 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	105.88 ug/L	3292550	1,4-Dichlorobenzene-d4	11.46

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





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Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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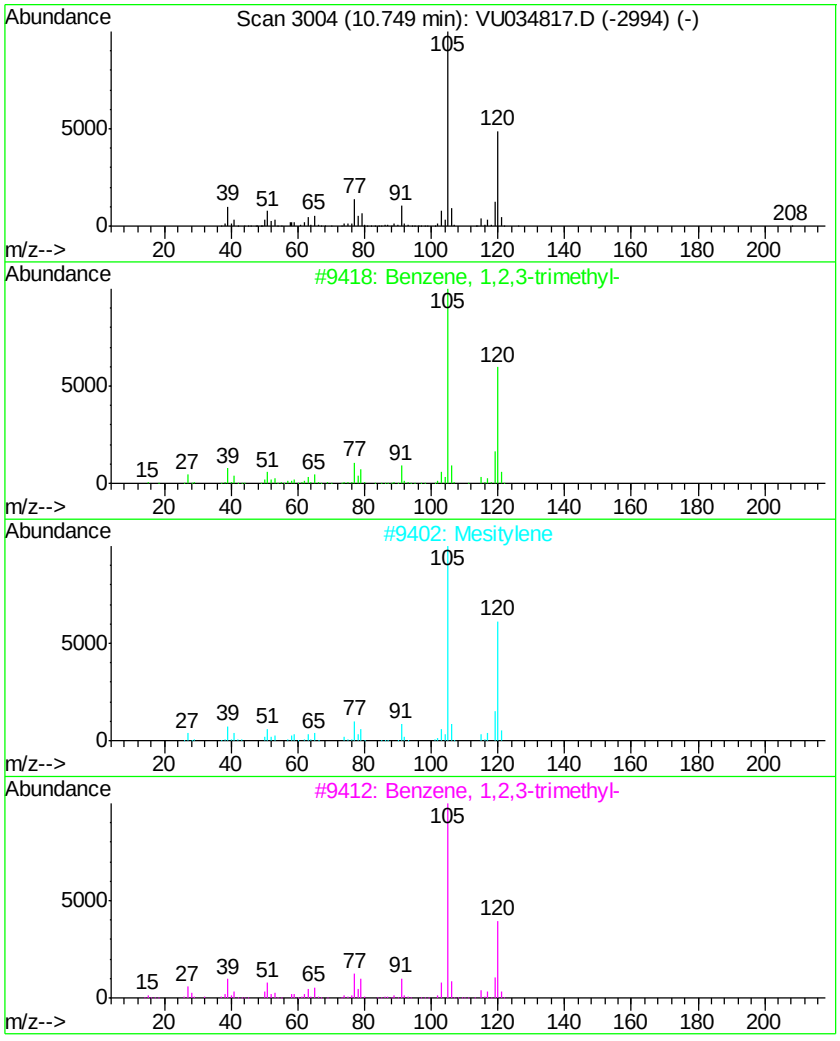
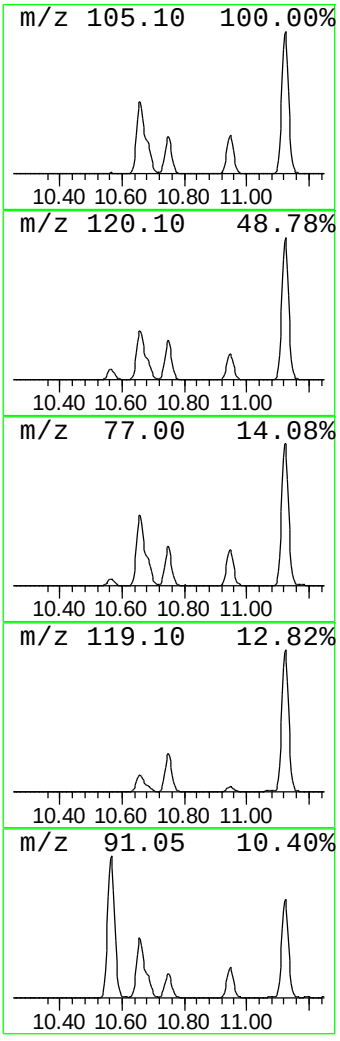
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	45.25 ug/L	1407030	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	94





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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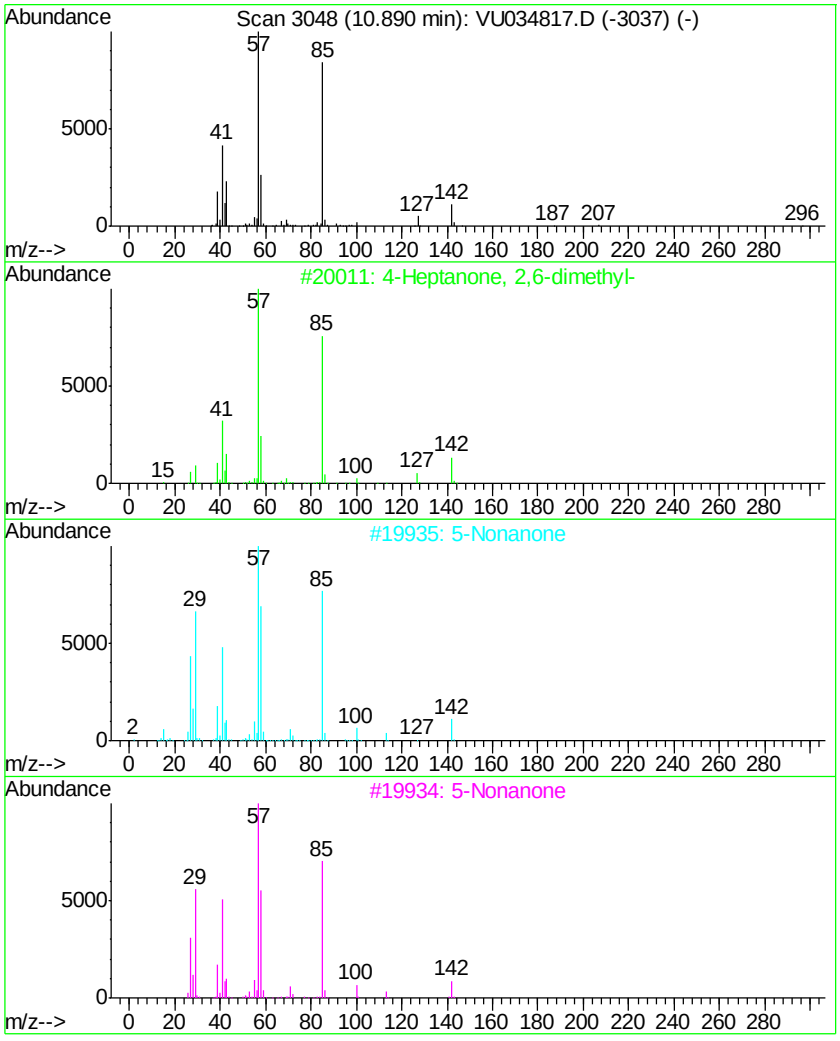
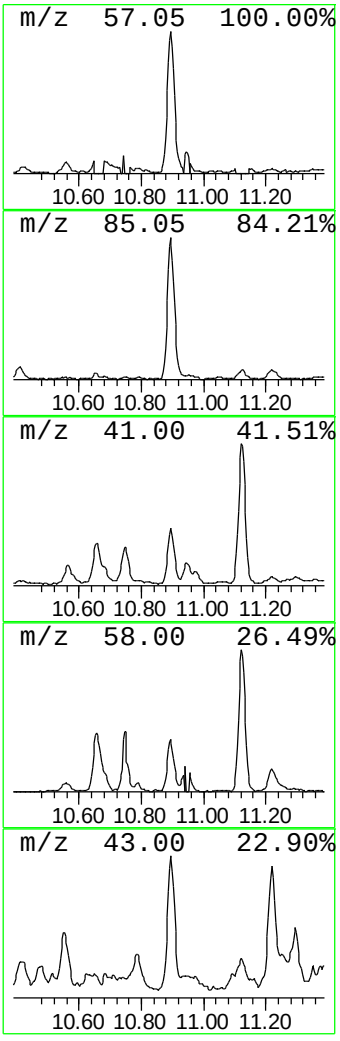
Peak Number 12 4-Heptanone, 2,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	7.09 ug/L	220398	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	5-Nonanone	142	C9H18O	000502-56-7	72
3	5-Nonanone	142	C9H18O	000502-56-7	64
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	Pentanoic acid, 4-methyl-2-oxo-,...	144	C7H12O3	003682-43-7	59





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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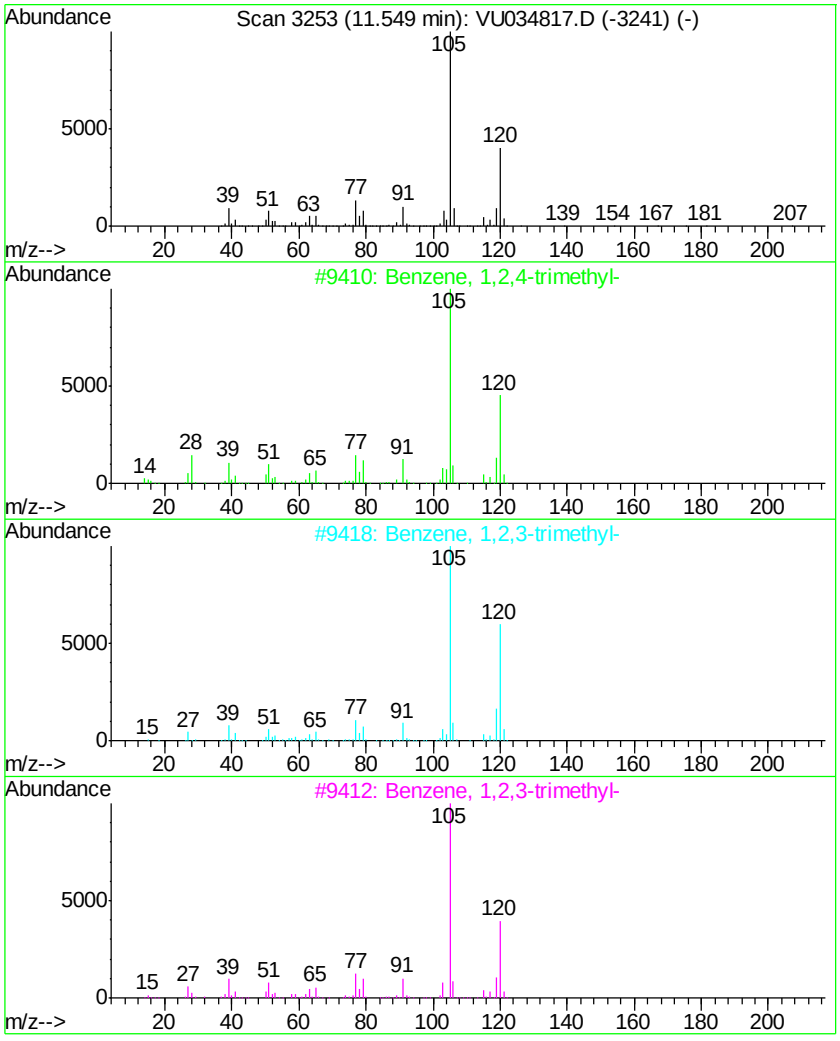
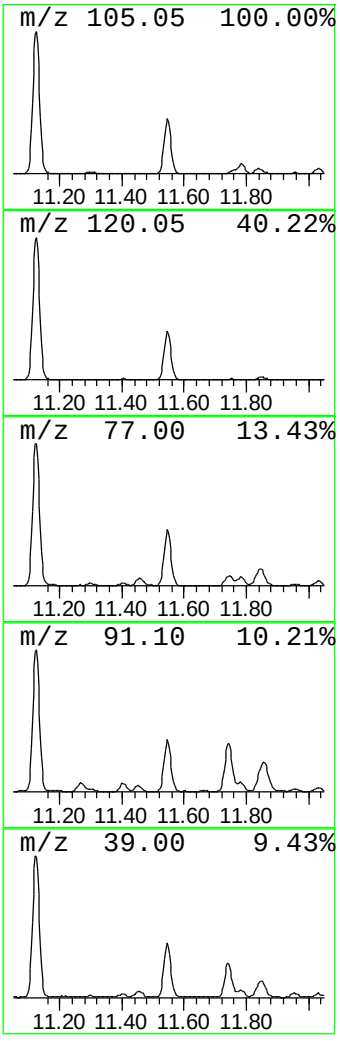
Peak Number 15 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	65.96 ug/L	2051250	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	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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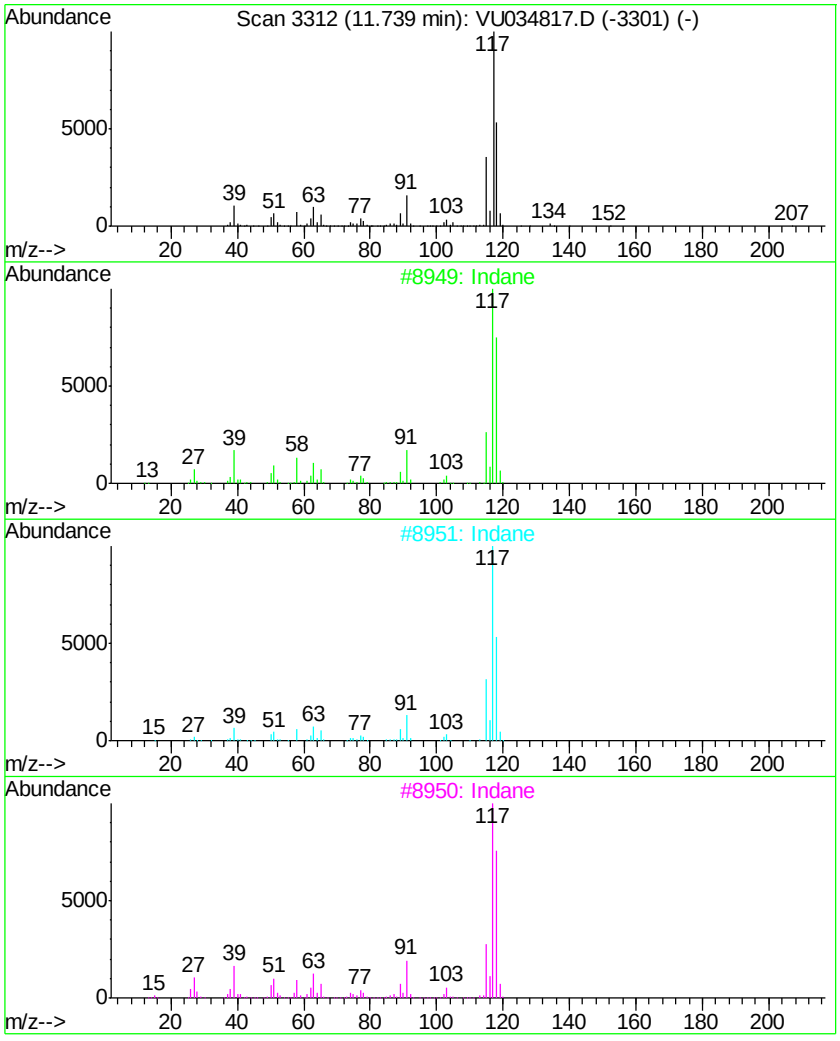
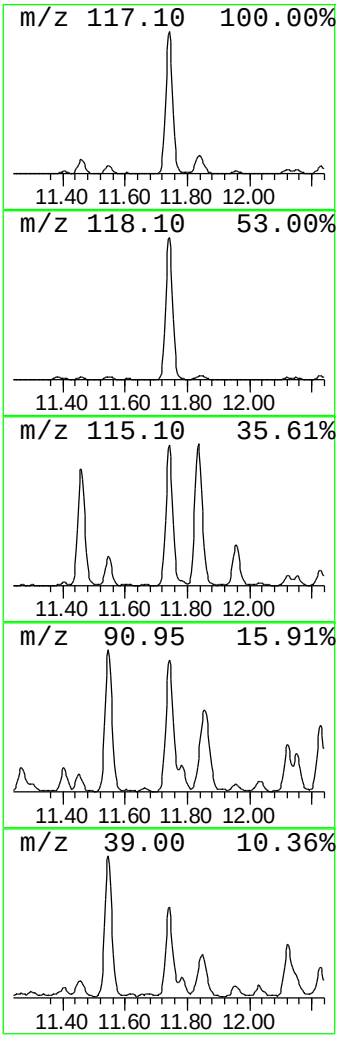
Peak Number 16 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	48.73 ug/L	1515250	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	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	74
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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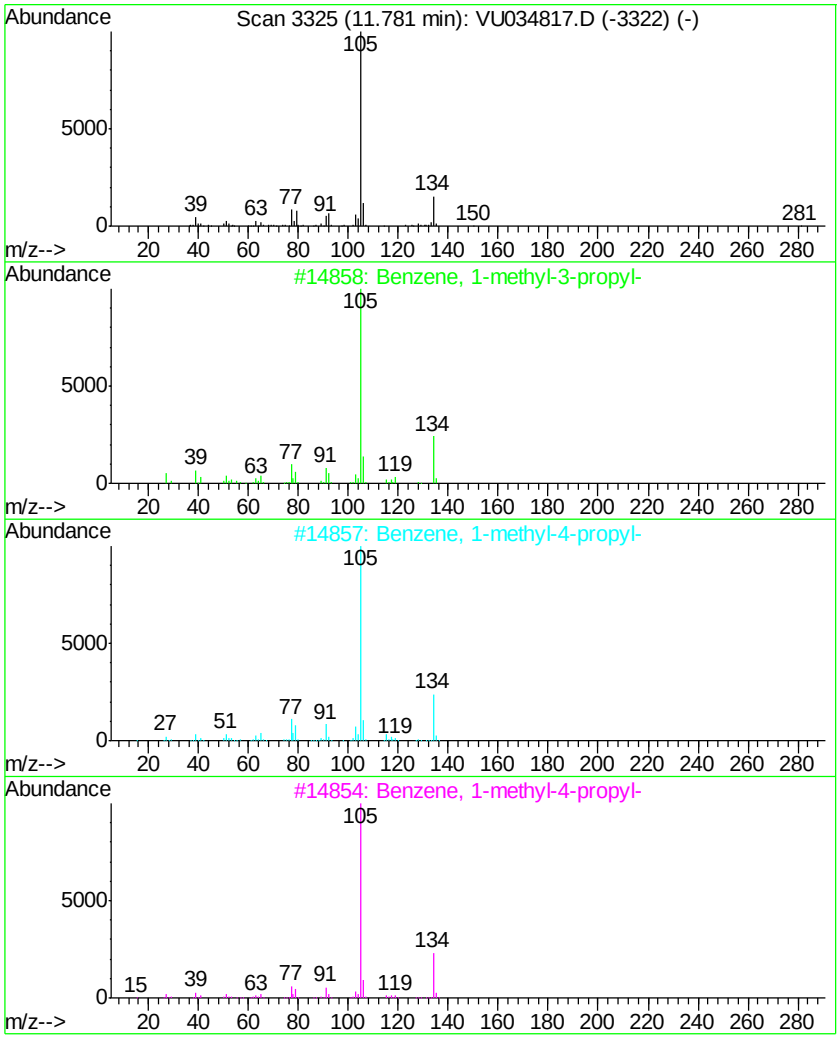
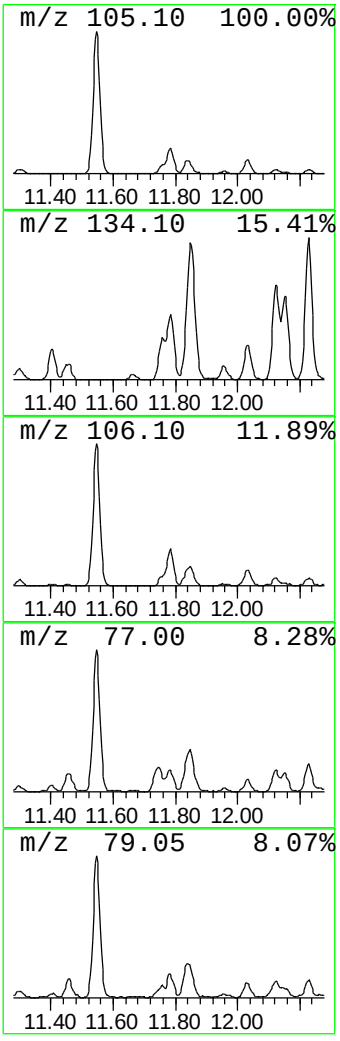
Peak Number 17 Benzene, 1-methyl-3-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	6.79 ug/L	211169	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	86
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	78
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	78
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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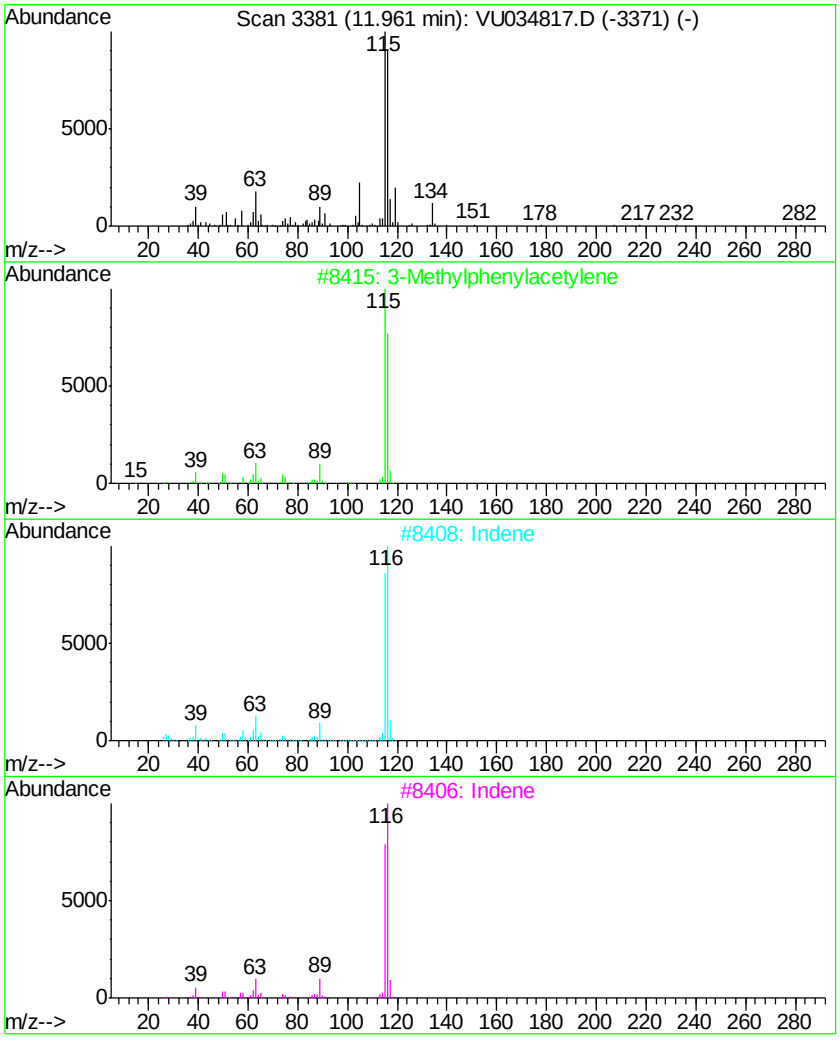
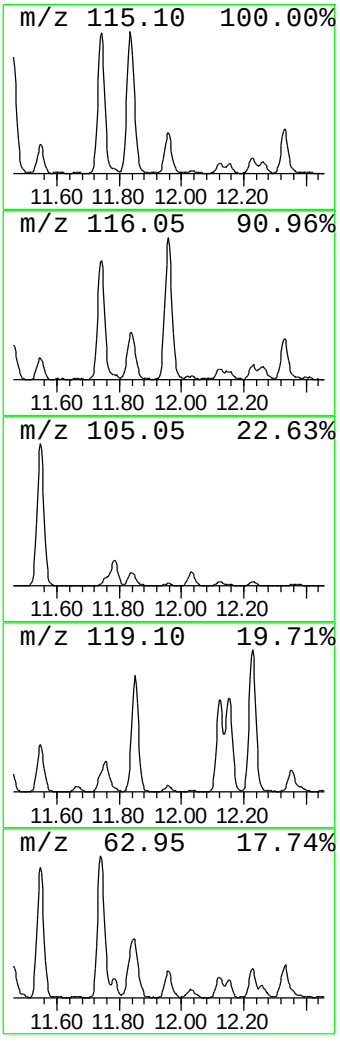
Peak Number 18 3-Methylphenylacetylene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.09 ug/L	189347	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylphenylacetylene	116	C9H8	000766-82-5	93
2	Indene	116	C9H8	000095-13-6	93
3	Indene	116	C9H8	000095-13-6	76
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	76
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	68





Library Search Compound Report

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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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-methylpropyl)- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.95 ug/L	185039	1,4-Dichlorobenzene-d4	11.46

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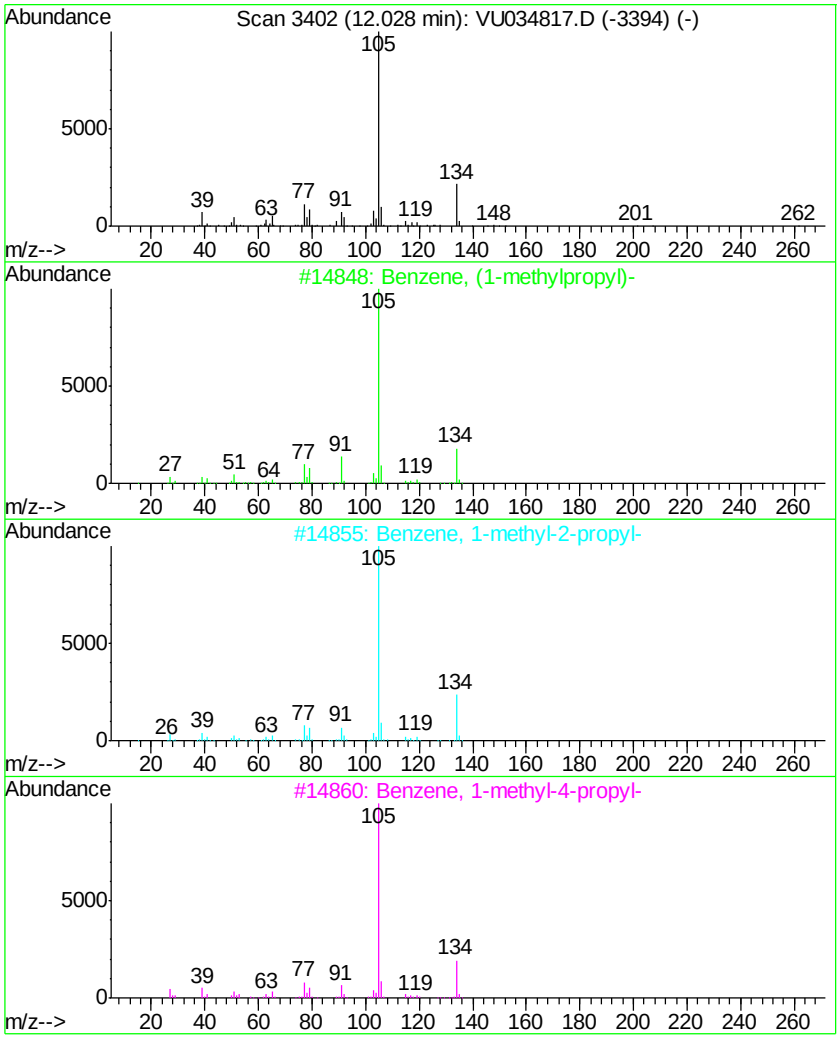

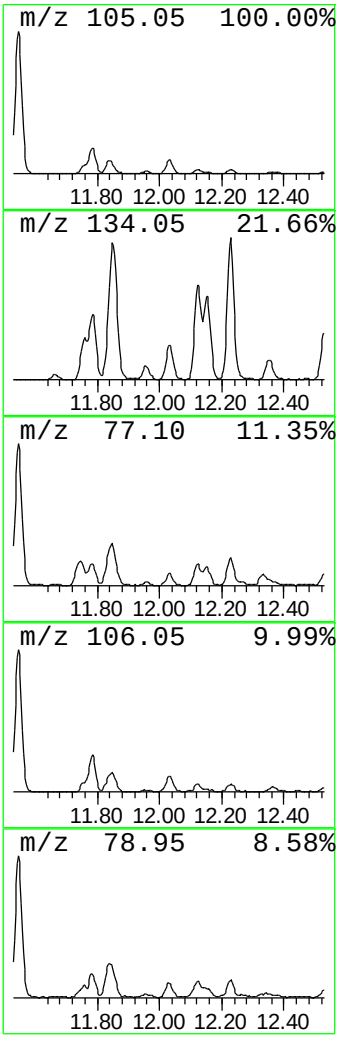

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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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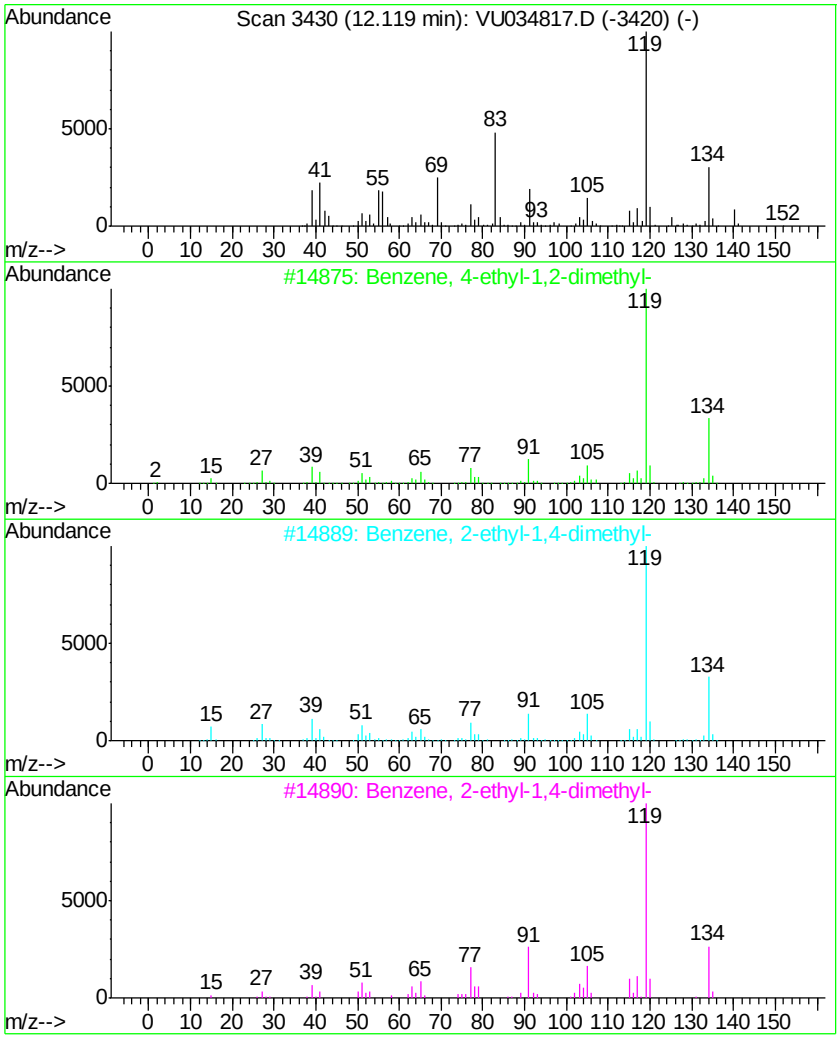
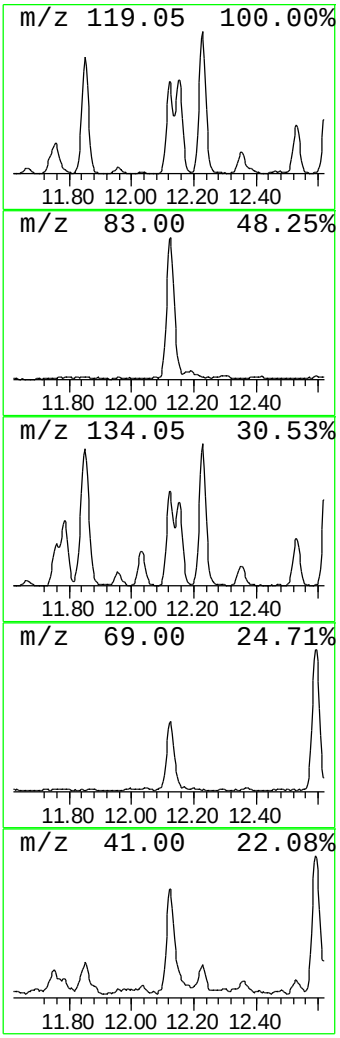
Peak Number 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	22.59 ug/L	702494	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	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	o-Cymene	134	C10H14	000527-84-4	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

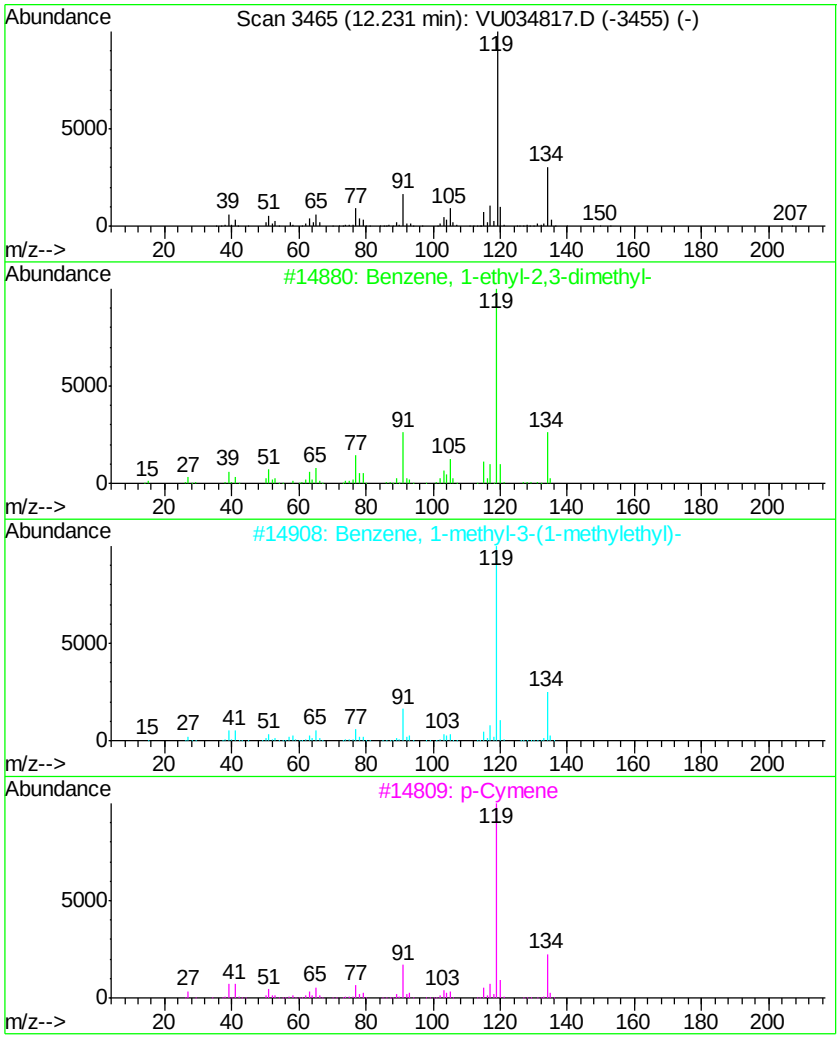
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

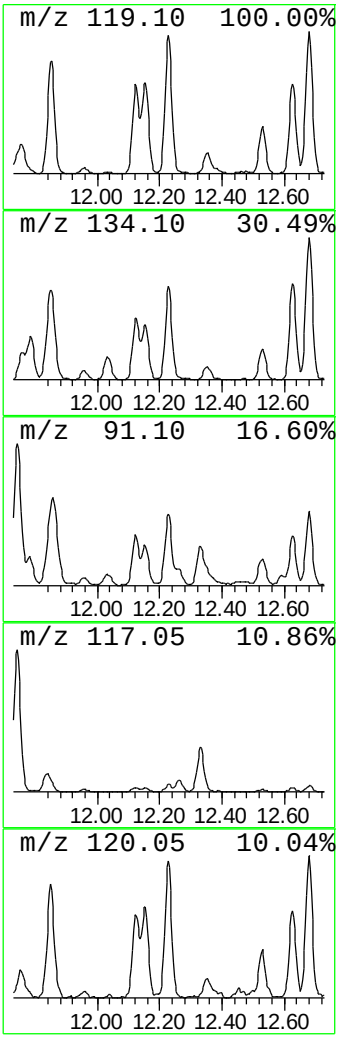
****

Peak Number 21 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	17.56 ug/L	546093	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

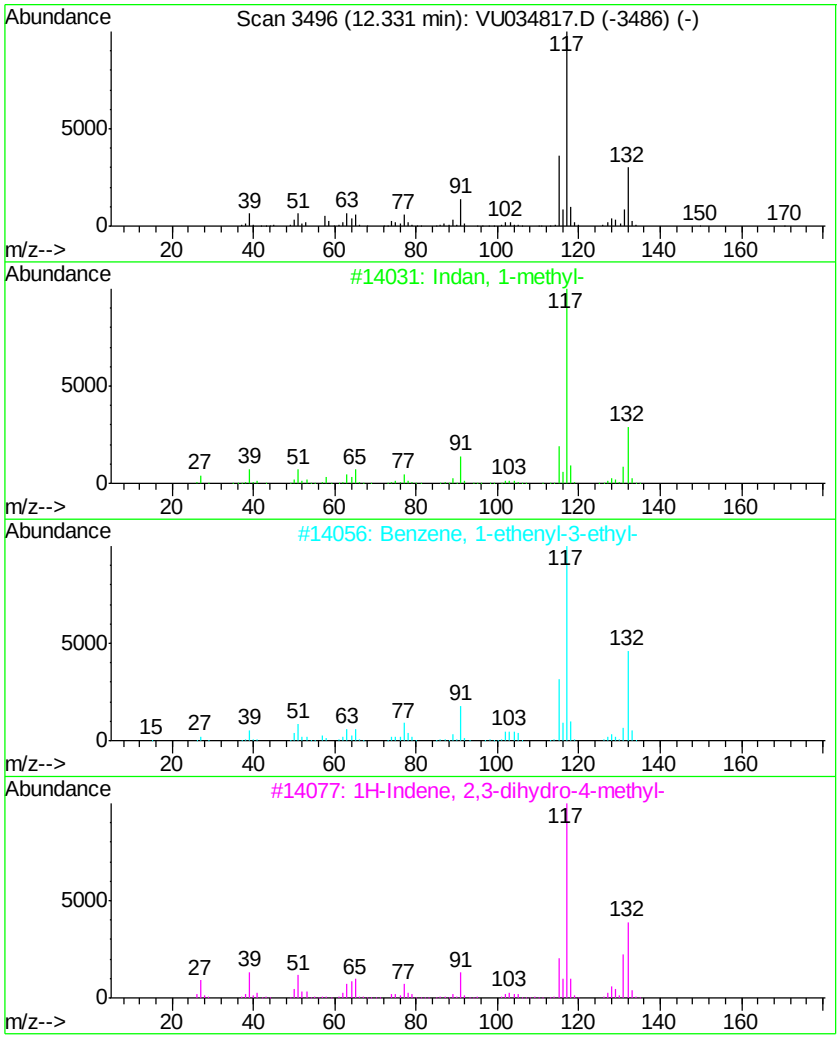
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

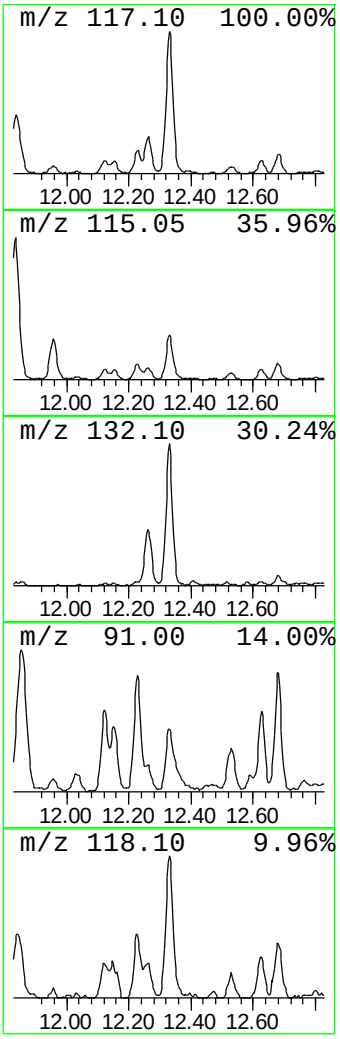
****

Peak Number 22 Indan, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	17.71 ug/L	550768	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Indan, 1-methyl-	132	C10H12	000767-58-8	87





Library Search Compound Report

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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

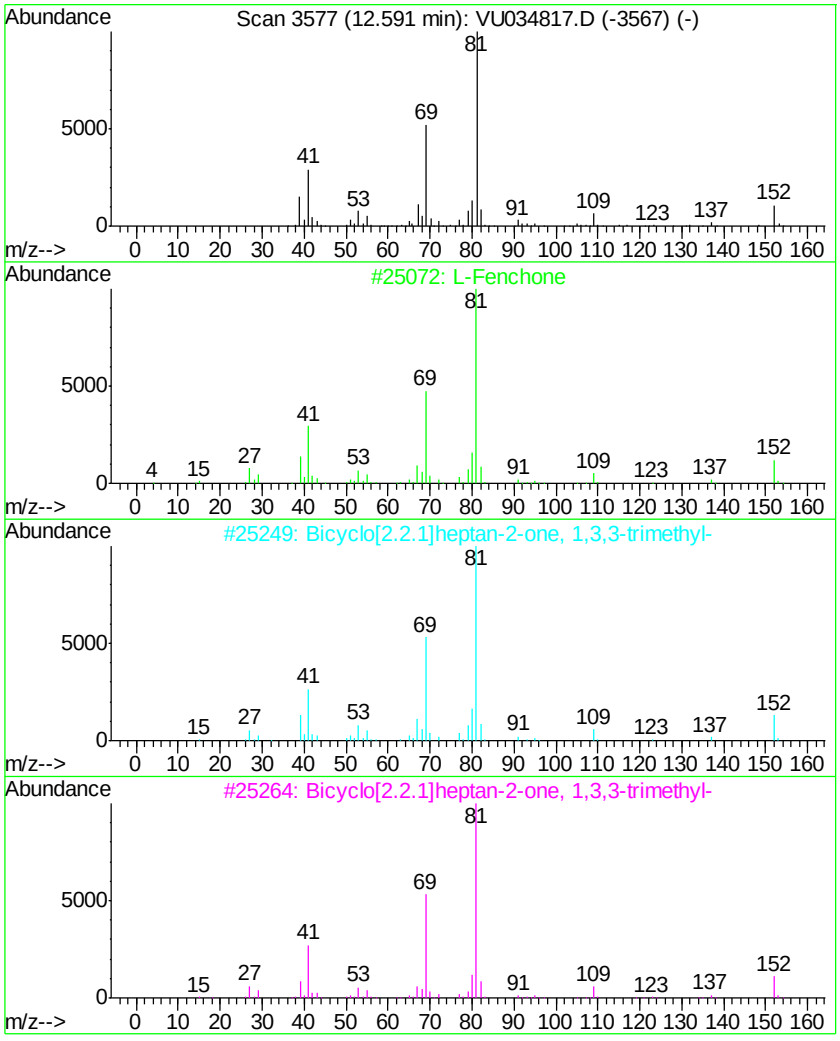
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

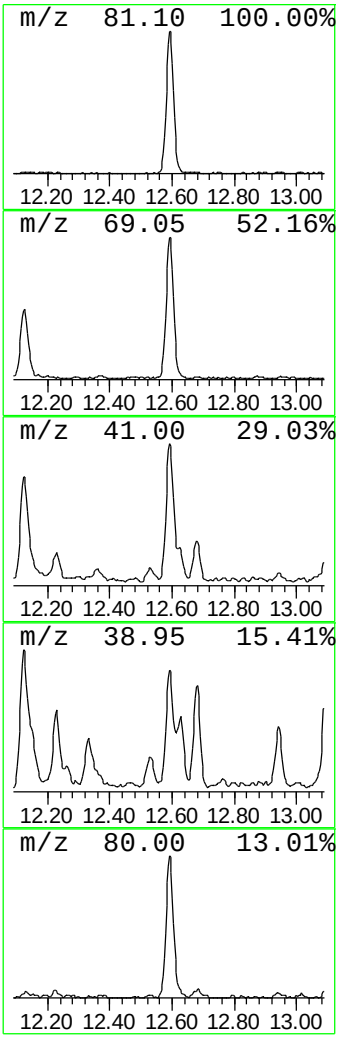
****

Peak Number 24 L-Fenchone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	15.39 ug/L	478634	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	95
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

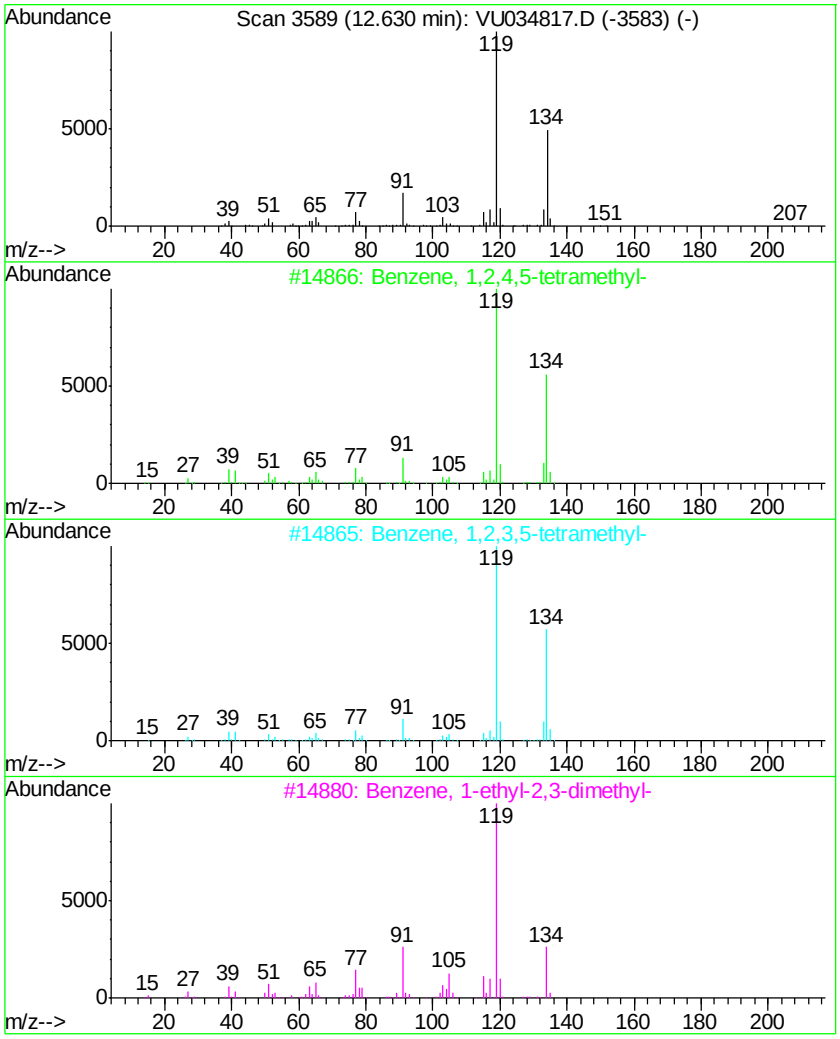
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

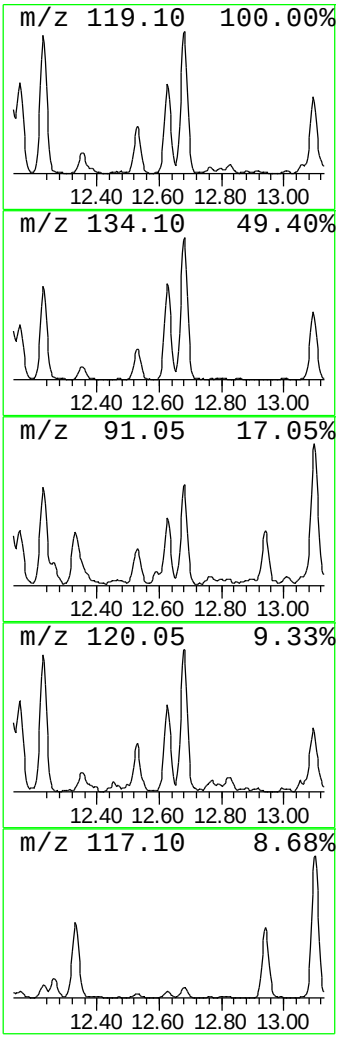
****

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	12.68 ug/L	394464	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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

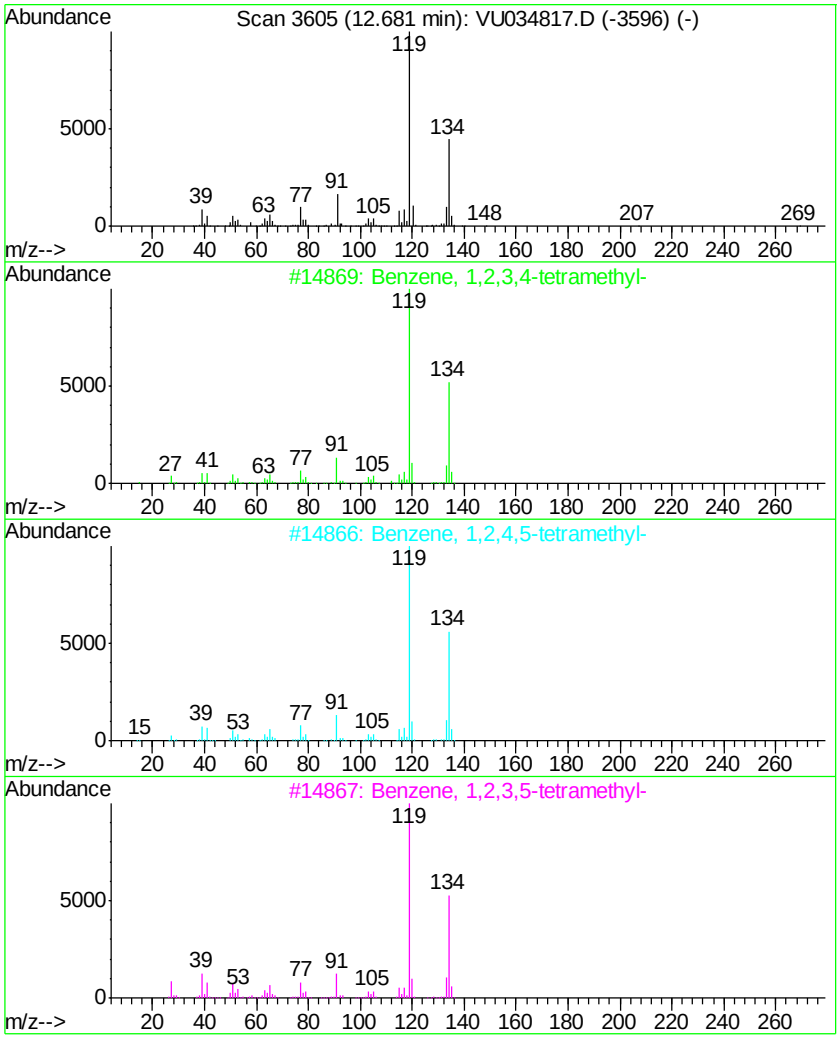
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

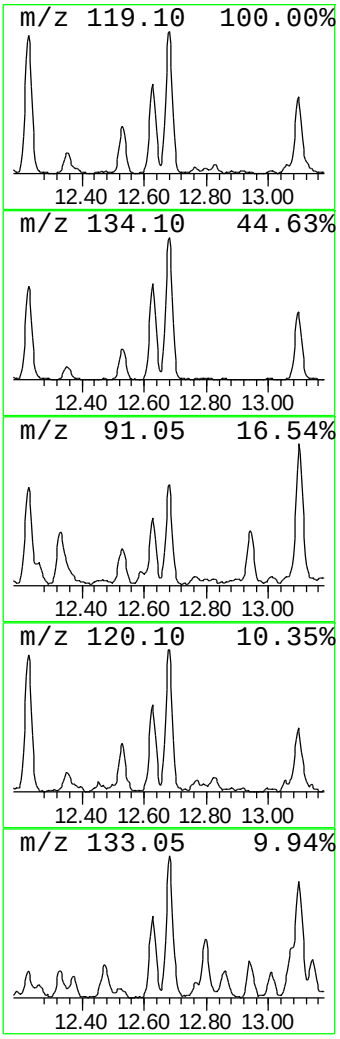
****

Peak Number 26 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	20.42 ug/L	635158	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, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	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	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

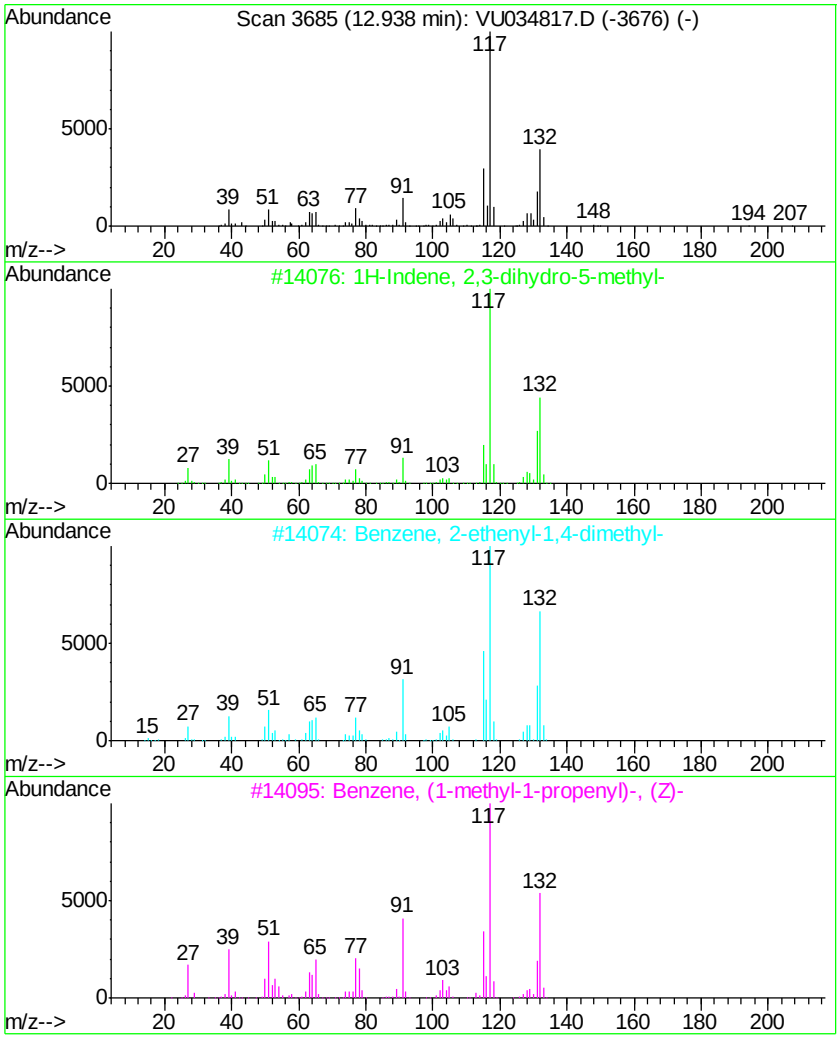
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

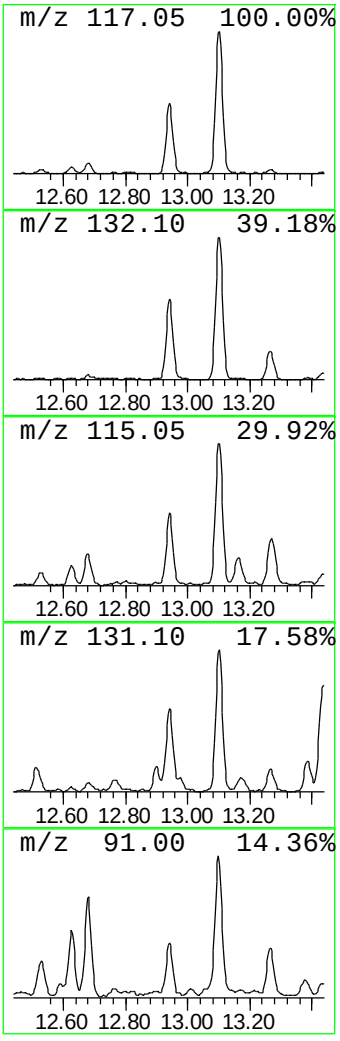
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	14.46 ug/L	449612	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	91
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

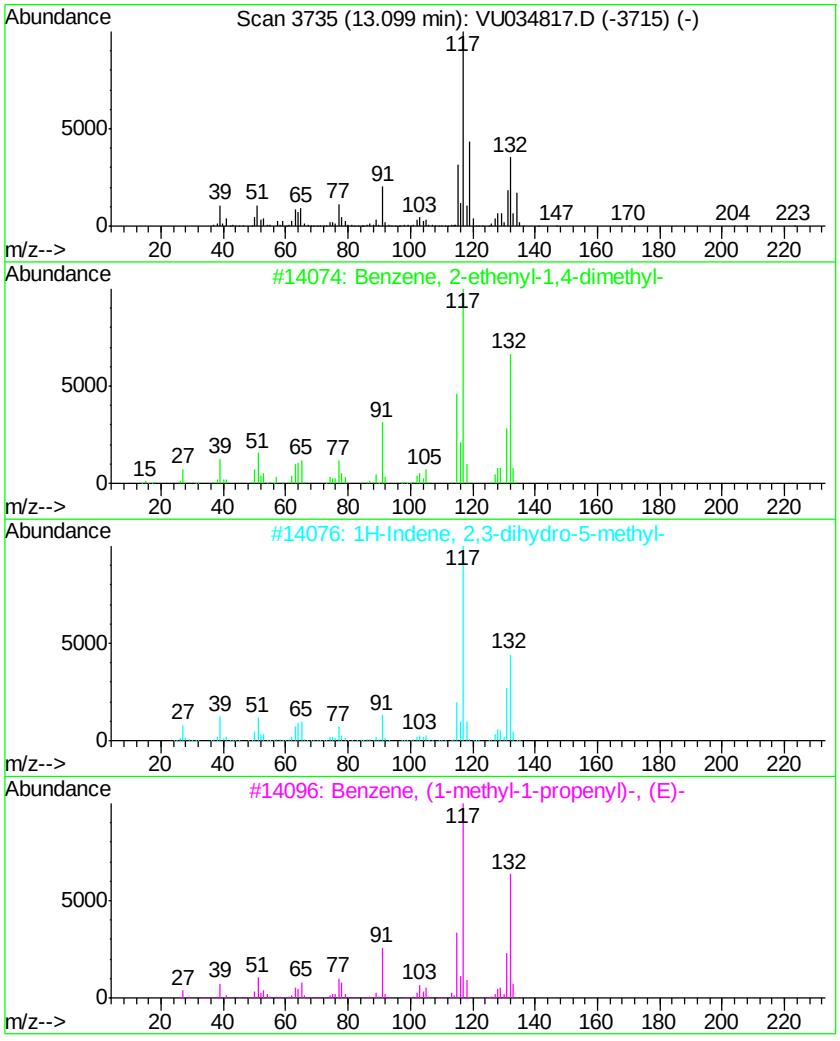
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

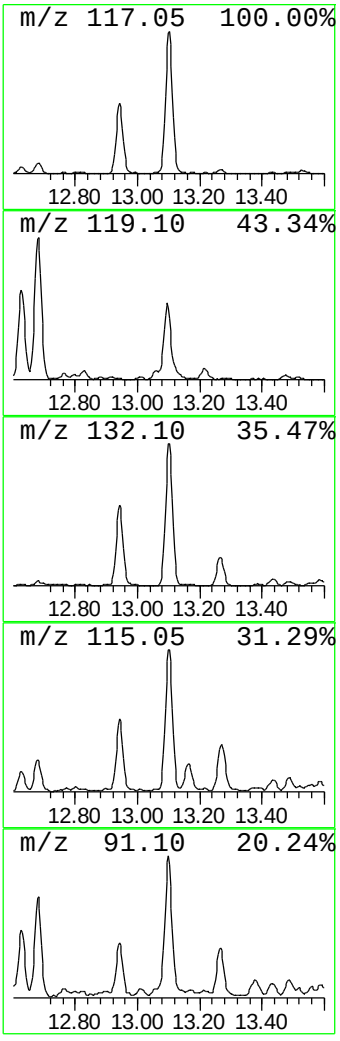
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	40.68 ug/L	1265050	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	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	89
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	76
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76





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Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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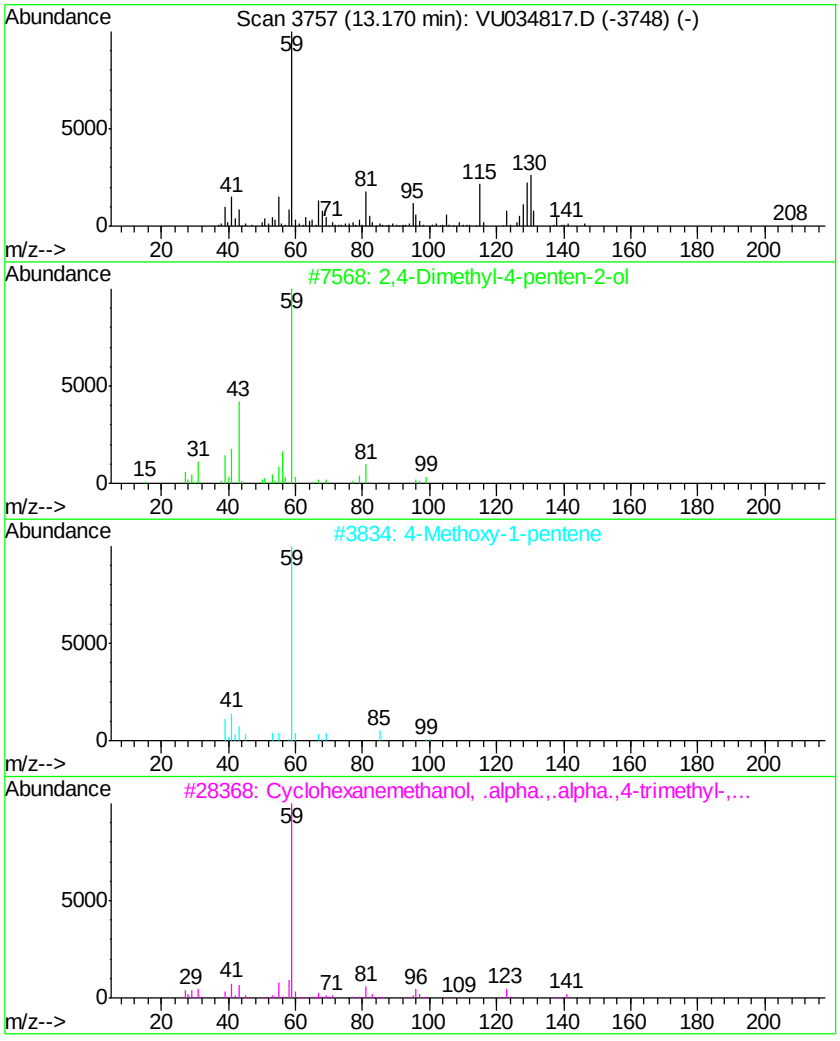
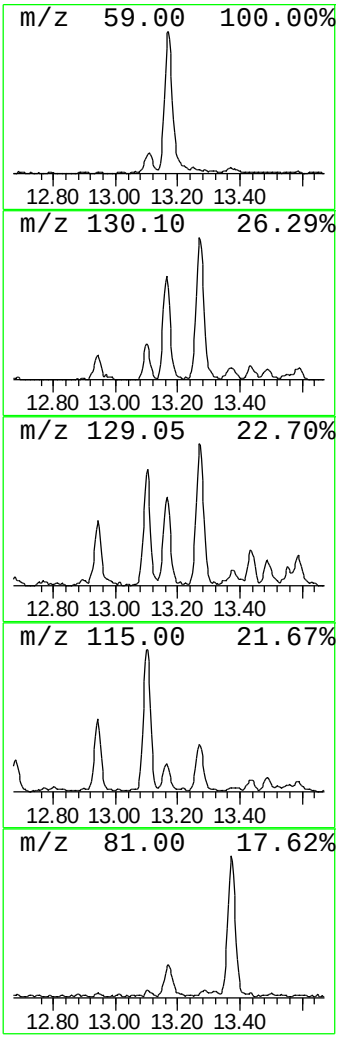
Peak Number 29 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	7.99 ug/L	248542	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethyl-4-penten-2-ol	114	C7H14O	019781-53-4	35
2	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	35
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	35
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	32
5	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	25





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Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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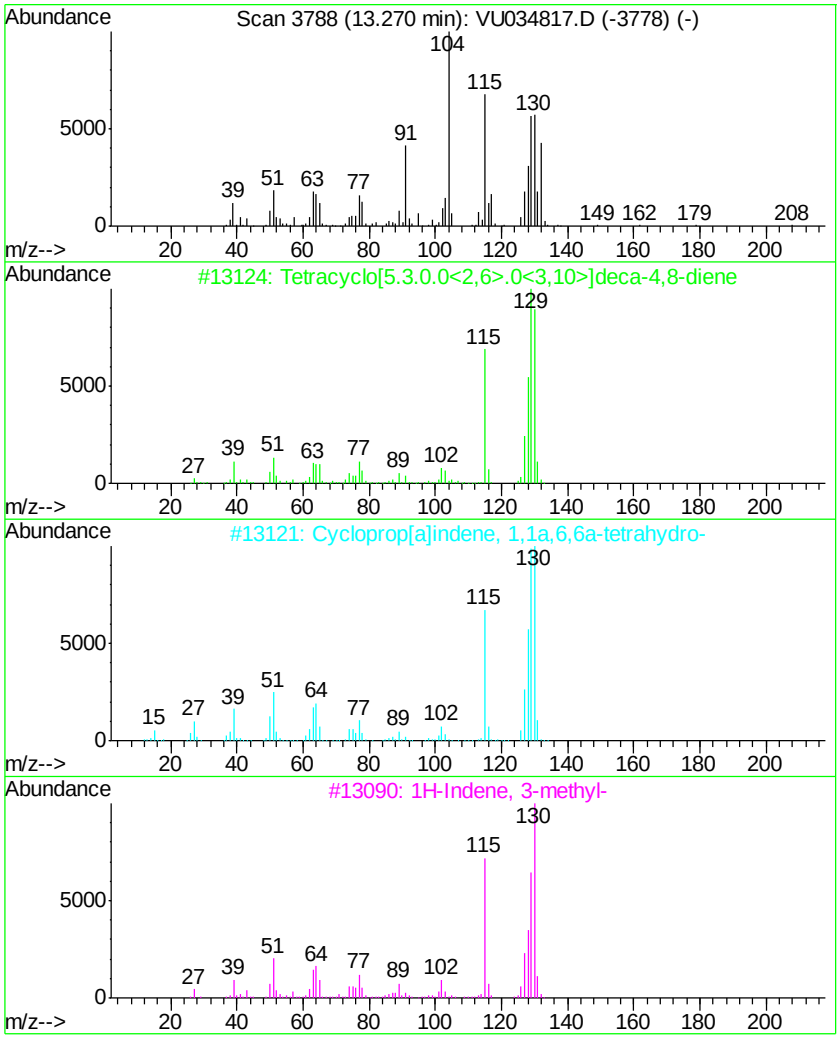
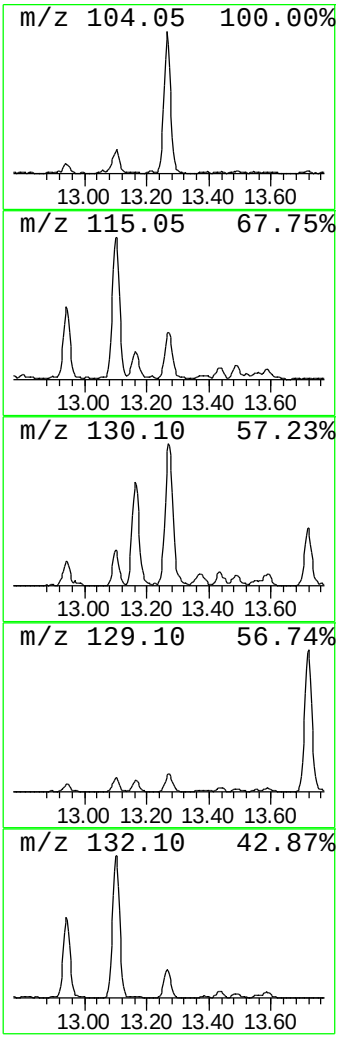
Peak Number 30 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	9.41 ug/L	292543	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	89
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	84
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	52
4	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	50
5	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	46





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Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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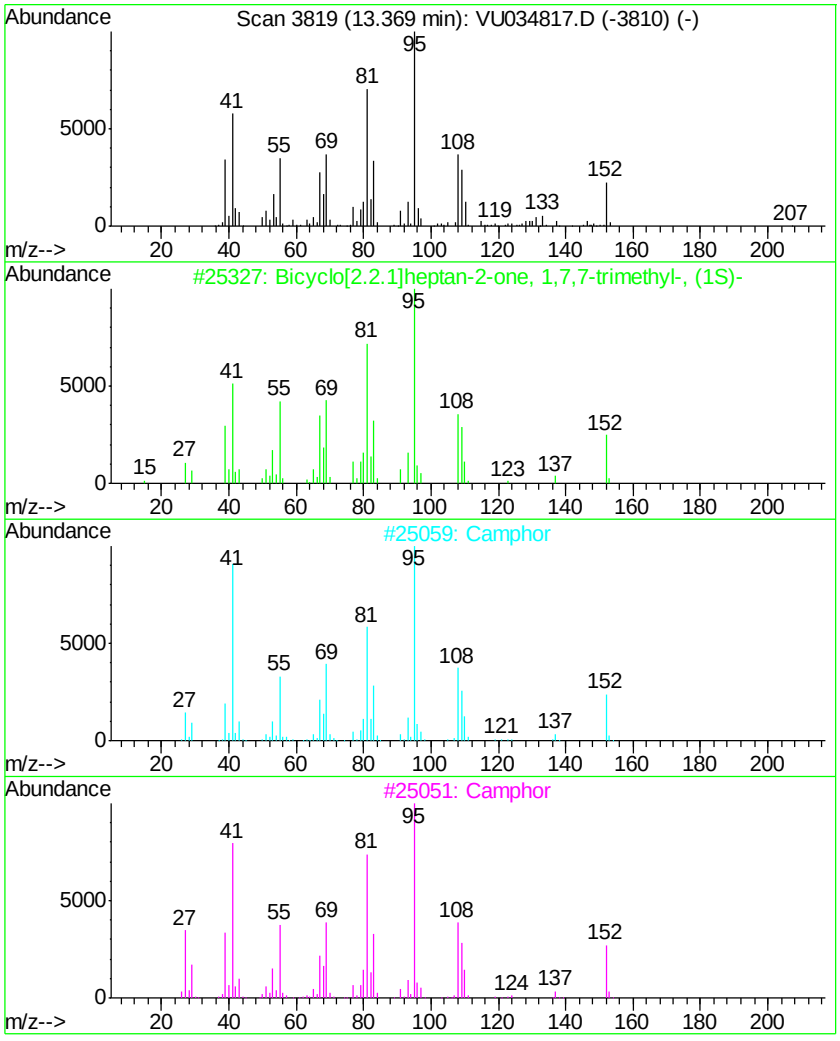
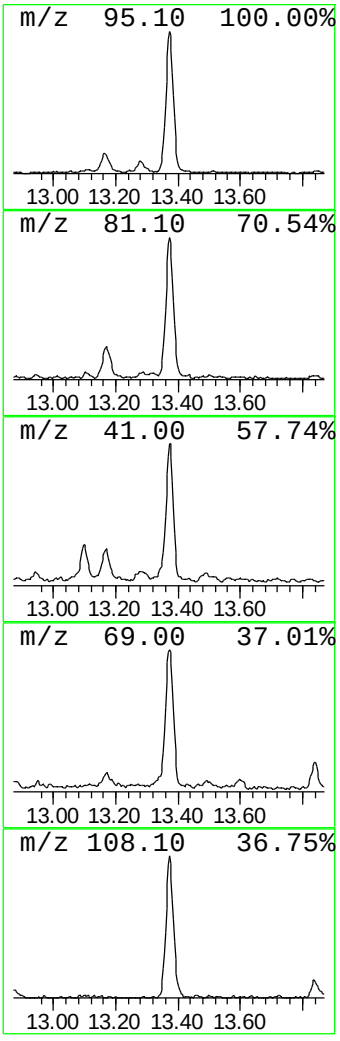
Peak Number 31 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	15.00 ug/L	466590	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	98
2	Camphor	152	C10H16O	000076-22-2	97
3	Camphor	152	C10H16O	000076-22-2	96
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	96
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	96





Library Search Compound Report

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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

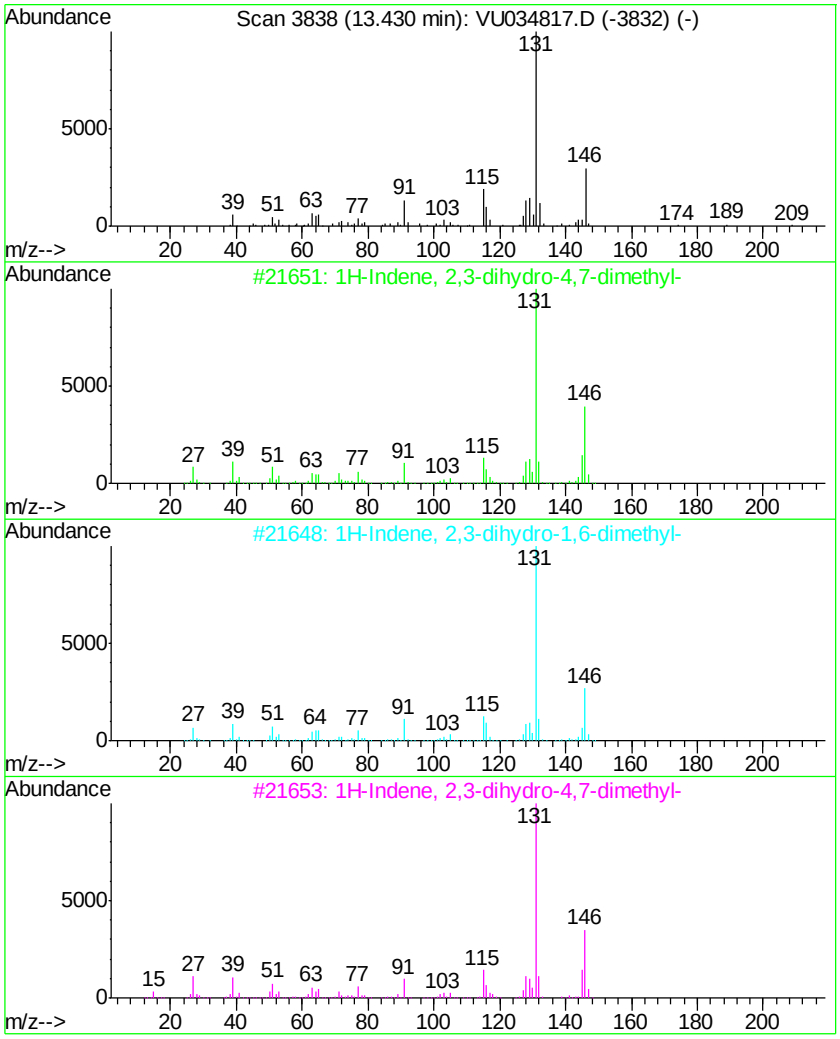
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

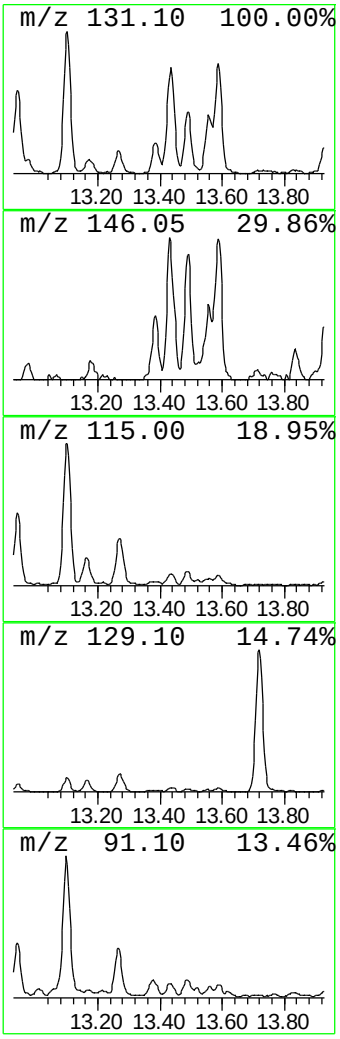
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.78 ug/L	86361	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	90





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Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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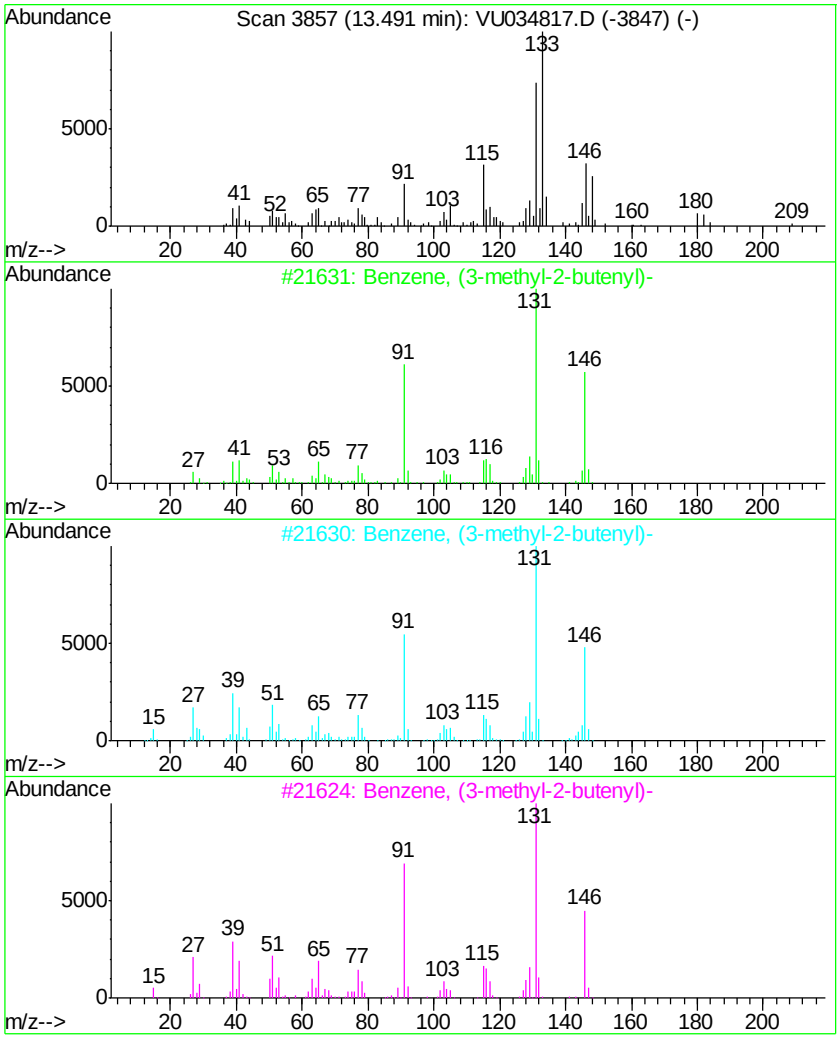
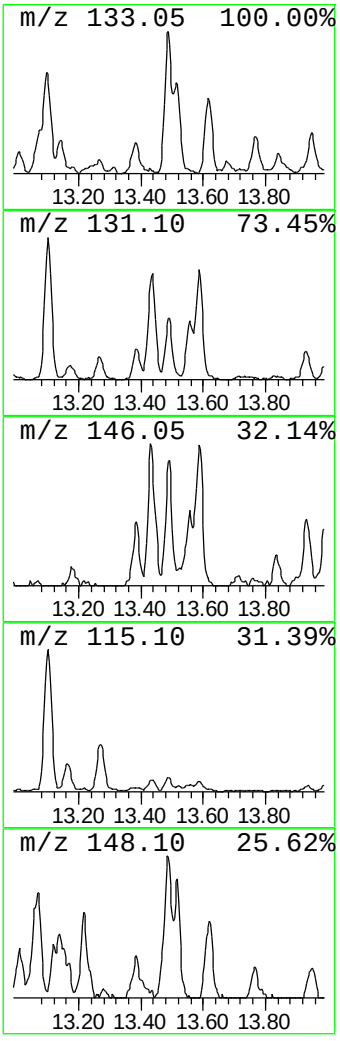
Peak Number 33 Benzene, (3-methyl-2-butenyl)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.70 ug/L	177193	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	83
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	62
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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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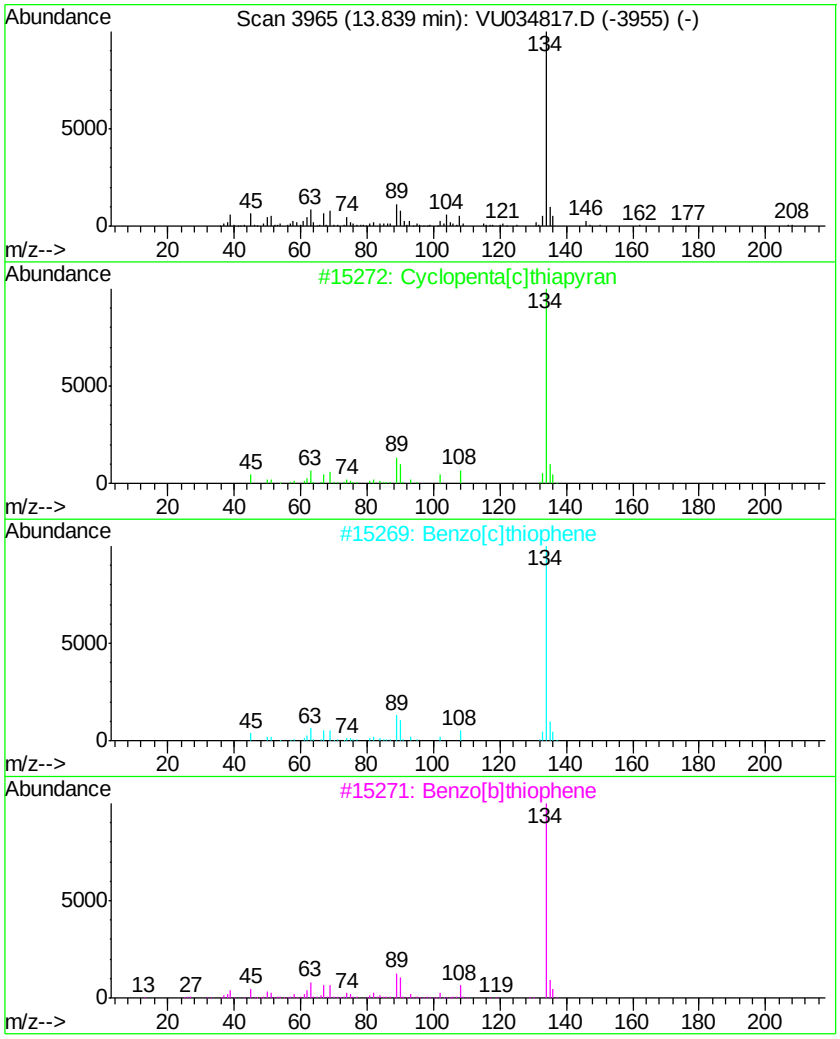
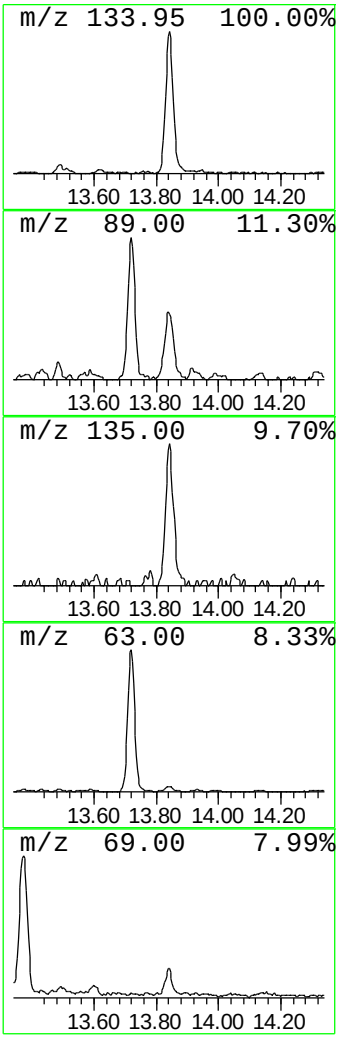
Peak Number 35 Cyclopenta[c]thiapyran Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	5.73 ug/L	178121	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	95
2	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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

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

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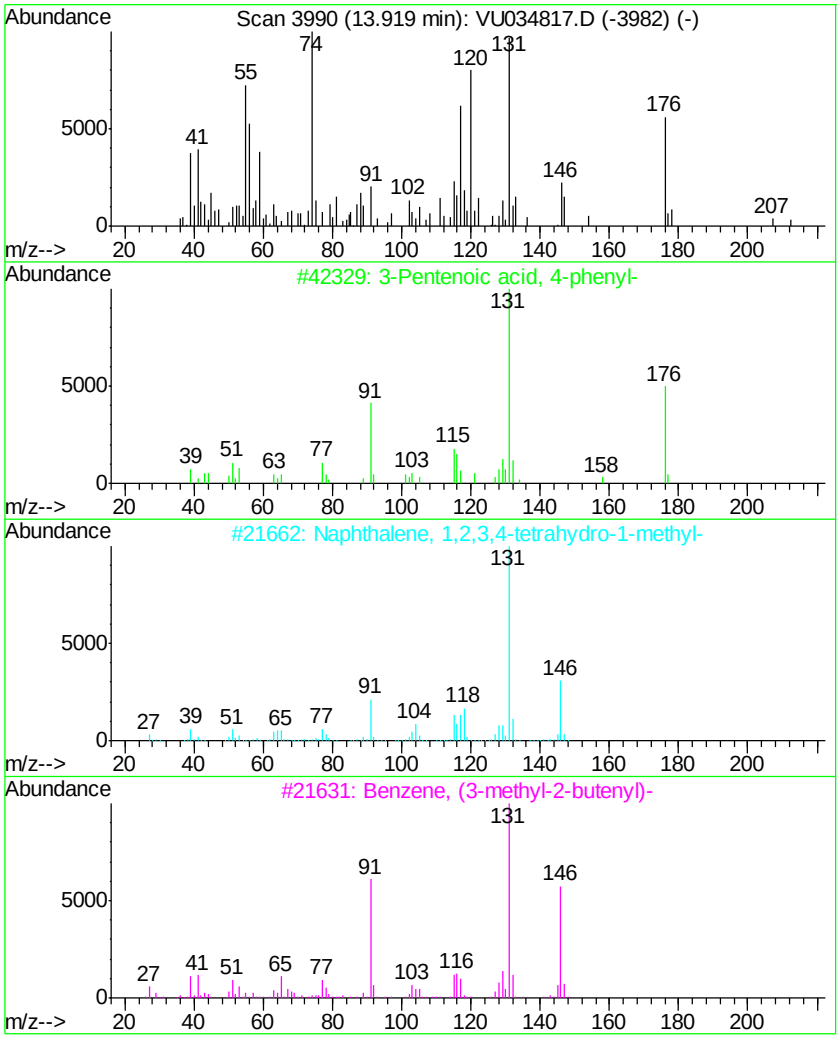
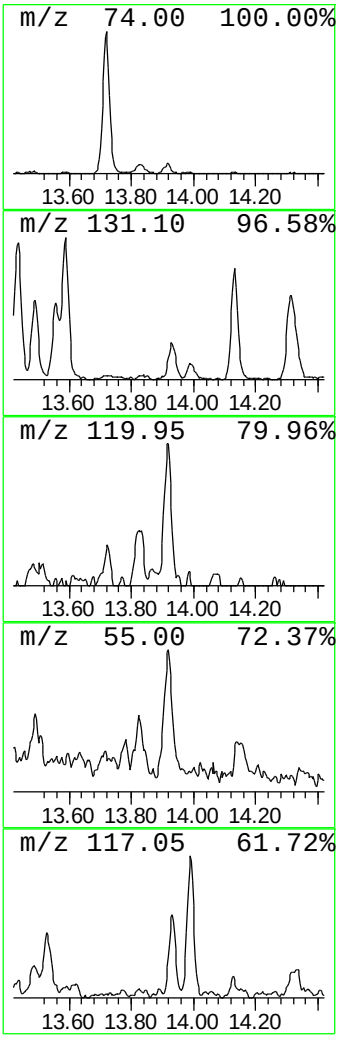
Peak Number 36 unknown-03 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.82 ug/L	118869	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	38
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	38
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	35
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	35
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092519\
Data File : VU034817.D
Acq On : 25 Sep 2019 21:07
Operator : JC/SP
Sample : K4983-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDM2

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	7.0	ug/L	163595	1	5.86	1176550	50.0
unknown-01	6.40	4.7	ug/L	109858	1	5.86	1176550	50.0
n-Propyl acetate	6.68	138.7	ug/L	3262870	1	5.86	1176550	50.0
Propanoic acid, 2...	8.13	17.8	ug/L	570096	2	9.07	1598380	50.0
Propanoic acid, p...	8.40	29.7	ug/L	948861	2	9.07	1598380	50.0
Butanoic acid, 1-...	8.88	36.3	ug/L	1159000	2	9.07	1598380	50.0
Benzene, propyl-	10.56	20.8	ug/L	646812	3	11.46	1554880	50.0
Benzene, 1-ethyl-...	10.66	105.9	ug/L	3292550	3	11.46	1554880	50.0
Benzene, 1,2,3-tr...	10.75	45.3	ug/L	1407030	3	11.46	1554880	50.0
4-Heptanone, 2,6-...	10.89	7.1	ug/L	220398	3	11.46	1554880	50.0
Benzene, 1,2,4-tr...	11.55	66.0	ug/L	2051250	3	11.46	1554880	50.0
Indane	11.74	48.7	ug/L	1515250	3	11.46	1554880	50.0
Benzene, 1-methyl...	11.78	6.8	ug/L	211169	3	11.46	1554880	50.0
3-Methylphenylace...	11.96	6.1	ug/L	189347	3	11.46	1554880	50.0
Benzene, (1-methy...	12.03	6.0	ug/L	185039	3	11.46	1554880	50.0
Benzene, 4-ethyl-...	12.12	22.6	ug/L	702494	3	11.46	1554880	50.0
Benzene, 1-ethyl-...	12.23	17.6	ug/L	546093	3	11.46	1554880	50.0
Indan, 1-methyl-	12.33	17.7	ug/L	550768	3	11.46	1554880	50.0
L-Fenchone	12.59	15.4	ug/L	478634	3	11.46	1554880	50.0
Benzene, 1,2,4,5-...	12.63	12.7	ug/L	394464	3	11.46	1554880	50.0
Benzene, 1,2,3,4-...	12.68	20.4	ug/L	635158	3	11.46	1554880	50.0
1H-Indene, 2,3-di...	12.94	14.5	ug/L	449612	3	11.46	1554880	50.0
Benzene, 2-etheny...	13.10	40.7	ug/L	1265050	3	11.46	1554880	50.0
unknown-02	13.17	8.0	ug/L	248542	3	11.46	1554880	50.0
Tetracyclo[5.3.0....	13.27	9.4	ug/L	292543	3	11.46	1554880	50.0
Bicyclo[2.2.1]hep...	13.37	15.0	ug/L	466590	3	11.46	1554880	50.0
1H-Indene, 2,3-di...	13.43	2.8	ug/L	86361	3	11.46	1554880	50.0
Benzene, (3-methy...	13.49	5.7	ug/L	177193	3	11.46	1554880	50.0
Cyclopenta[c]thia...	13.84	5.7	ug/L	178121	3	11.46	1554880	50.0
unknown-03	13.92	3.8	ug/L	118869	3	11.46	1554880	50.0