LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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	1.395	85	95	106	rBV	370331	401153	3.80%	0.412%
2	1.466	111	117	126	rVB	99043	109636	1.04%	0.113%
3	1.540	133	140	150	rVB3	36333	52653	0.50%	0.054%
4	1.672	173	181	196	rVB	284322	359367	3.40%	0.369%
5	1.749	198	205	212	rBV2	24062	31500	0.30%	0.032%
6	2.174	330	337	347	rVV2	30117	47135	0.45%	0.048%
7	2.257	350	363	372	rVV	501549	814802	7.71%	0.837%
8	2.305	372	378	393	rVB	174010	275788	2.61%	0.283%
9	2.685	484	496	505	rBV5	18666	45209	0.43%	0.046%
10	2.775	516	524	540	rVB5	23701	58739	0.56%	0.060%
11	2.974	575	586	604	rVB6	12833	31062	0.29%	0.032%
12	3.170	637	647	660	rVB3	22626	46280	0.44%	0.048%
13	3.537	750	761	777	rVB3	16457	40416	0.38%	0.042%
14	3.974	881	897	913	rBV6	22095	59909	0.57%	0.062%
15	4.067	913	926	940	rBV3	43401	110071	1.04%	0.113%
16	4.151	940	952	960	rBV	236513	557344	5.27%	0.573%
17	4.624	1083	1099	1121	rBV	370633	879119	8.32%	0.903%
18	4.755	1130	1140	1157	rVB2	39884	95460	0.90%	0.098%
19	4.974	1189	1208	1220	rBV3	66407	163080	1.54%	0.168%
20	5.318	1292	1315	1323	rBV2	775898	2275753	21.53%	2.338%
21	5.366	1324	1330	1351	rVB	509579	1024460	9.69%	1.053%
22	5.527	1365	1380	1395	rBV	95049	214510	2.03%	0.220%
23	5.865	1471	1485	1498	rBV	614008	1214077	11.49%	1.247%
24	6.167	1566	1579	1603	rVB3	137884	331505	3.14%	0.341%
25	6.308	1608	1623	1638	rBV	541943	1089530	10.31%	1.119%
26	6.395	1639	1650	1667	rVB6	100972	240284	2.27%	0.247%
27	6.514	1678	1687	1694	rBV3	25142	43970	0.42%	0.045%
28	6.681	1727	1739	1770	rBV	2178170	3943025	37.31%	4.051%
29	7.045	1838	1852	1862	rBV2	43045	87160	0.82%	0.090%
30	7.205	1890	1902	1922	rBV	318338	591789	5.60%	0.608%
31	7.402	1951	1963	1970	rBV	274651	496393	4.70%	0.510%
32	7.440	1970	1975	1988	rVB2	147295	239165	2.26%	0.246%
33	7.543	1988	2007	2017	rBV	1085417	1904791	18.02%	1.957%
34	7.614	2017	2029	2048	rVB	5995716	10074673	95.32%	10.351%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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	2084	2095	2108	rBV2	296658	517830	4.90%	0.532%
36	7.913	2113	2122	2140	rVB9	35714	107627	1.02%	0.111%
37	8.135	2180	2191	2205	rBV	406348	662845	6.27%	0.681%
38	8.209	2206	2214	2219	rBV4	51180	80489	0.76%	0.083%
39	8.241	2220	2224	2230	rVB2	31203	36095	0.34%	0.037%
40	8.289	2230	2239	2262	rBV	898813	1510226	14.29%	1.552%
41	8.395	2262	2272	2283	rBV	704758	1077737	10.20%	1.107%
42	8.511	2301	2308	2318	rVB3	37514	59889	0.57%	0.062%
43	8.884	2410	2424	2441	rBV	848182	1336048	12.64%	1.373%
44	9.067	2458	2481	2507	rBV	963335	1761899	16.67%	1.810%
45	9.228	2519	2531	2553	rBV	1751997	2782499	26.33%	2.859%
46	9.350	2554	2569	2589	rBV	6491910	10569089	100.00%	10.859%
47	9.585	2634	2642	2658	rVB3	25436	47226	0.45%	0.049%
48	9.755	2683	2695	2728	rVB	4467864	7228545	68.39%	7.427%
49	10.012	2760	2775	2789	rBV10	33238	76703	0.73%	0.079%
50	10.144	2805	2816	2828	rVB	179528	279741	2.65%	0.287%
51	10.302	2855	2865	2876	rBV6	19559	40737	0.39%	0.042%
52	10.408	2886	2898	2914	rBV	698266	1146386	10.85%	1.178%
53	10.565	2933	2947	2960	rBV	411811	662429	6.27%	0.681%
54	10.656	2960	2975	2994	rVV	1914819	4030449	38.13%	4.141%
55	10.749	2994	3004	3028	rVB	1350743	2090795	19.78%	2.148%
56	10.897	3039	3050	3056	rBV	153032	240668	2.28%	0.247%
57	10.948	3056	3066	3087	rVB	1048790	1664246	15.75%	1.710%
58	11.125	3109	3121	3137	rBV	4794735	7130870	67.47%	7.327%
59	11.302	3170	3176	3184	rVB2	52841	74174	0.70%	0.076%
60	11.401	3198	3207	3215	rBV	132407	199899	1.89%	0.205%
61	11.459	3215	3225	3240	rVV	1022697	1638101	15.50%	1.683%
62	11.546	3241	3252	3266	rVB	1942632	2964268	28.05%	3.046%
63	11.665	3281	3289	3301	rVB3	24191	41807	0.40%	0.043%
64	11.742	3301	3313	3321	rBV	1042752	1790507	16.94%	1.840%
65	11.784	3322	3326	3333	rVV	256859	340606	3.22%	0.350%
66	11.839	3333	3343	3367	rVB5	1376004	3051104	28.87%	3.135%
67	11.958	3370	3380	3394	rBV	173076	287215	2.72%	0.295%
68	12.032	3394	3403	3417	rVB	139504	227478	2.15%	0.234%
69	12.122	3420	3431	3436	rBV	316886	494580	4.68%	0.508%
70	12.151	3436	3440	3453	rVB	286800	416177	3.94%	0.428%
71	12.228	3454	3464	3471	rBV	471043	713588	6.75%	0.733%

LSC Area Percent Report

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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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	12.331	3486	3496	3527	rVB2	393257	818606	7.75%	0.841%
73	12.469	3528	3539	3547	rBV4	36727	67840	0.64%	0.070%
74	12.530	3547	3558	3569	rVB2	170755	279070	2.64%	0.287%
75	12.594	3569	3578	3580	rBV4	65329	79293	0.75%	0.081%
76	12.626	3581	3588	3596	rVV	324427	490103	4.64%	0.504%
77	12.678	3596	3604	3618	rVB	521045	812265	7.69%	0.835%
78	12.765	3622	3631	3636	rBV4	36361	57026	0.54%	0.059%
79	12.942	3677	3686	3702	rVB	377571	573946	5.43%	0.590%
80	13.006	3702	3706	3715	rVB6	23293	32410	0.31%	0.033%
81	13.099	3715	3735	3747	rBV2	919055	1541598	14.59%	1.584%
82	13.163	3748	3755	3765	rVB4	97253	159760	1.51%	0.164%
83	13.270	3777	3788	3808	rVB3	222886	400706	3.79%	0.412%
84	13.379	3808	3822	3830	rBV5	89136	166644	1.58%	0.171%
85	13.434	3831	3839	3847	rVB2	79104	120122	1.14%	0.123%
86	13.488	3847	3856	3871	rBV5	111854	220386	2.09%	0.226%
87	13.556	3872	3877	3881	rBV	28344	31574	0.30%	0.032%
88	13.588	3881	3887	3893	rVB	60246	73106	0.69%	0.075%
89	13.720	3913	3928	3953	rBV	2269086	3693963	34.95%	3.795%
90	13.839	3956	3965	3981	rVV	114101	214174	2.03%	0.220%
91	13.935	3985	3995	4005	rVV8	41425	95888	0.91%	0.099%
92	13.990	4006	4012	4024	rVB3	36335	63020	0.60%	0.065%
93	14.131	4046	4056	4071	rBV2	74919	130817	1.24%	0.134%
94	14.315	4103	4113	4126	rBV4	69456	159698	1.51%	0.164%
95	14.456	4147	4157	4168	rBV5	31670	63557	0.60%	0.065%
96	14.514	4168	4175	4188	rVB3	57452	105148	0.99%	0.108%
97	14.659	4213	4220	4231	rVB6	23727	40892	0.39%	0.042%
98	14.803	4255	4265	4270	rVV2	25598	40966	0.39%	0.042%
99	14.855	4270	4281	4310	rVB	477665	844455	7.99%	0.868%
100	15.041	4328	4339	4355	rBV	357173	618854	5.86%	0.636%

Sum of corrected areas: 97326267

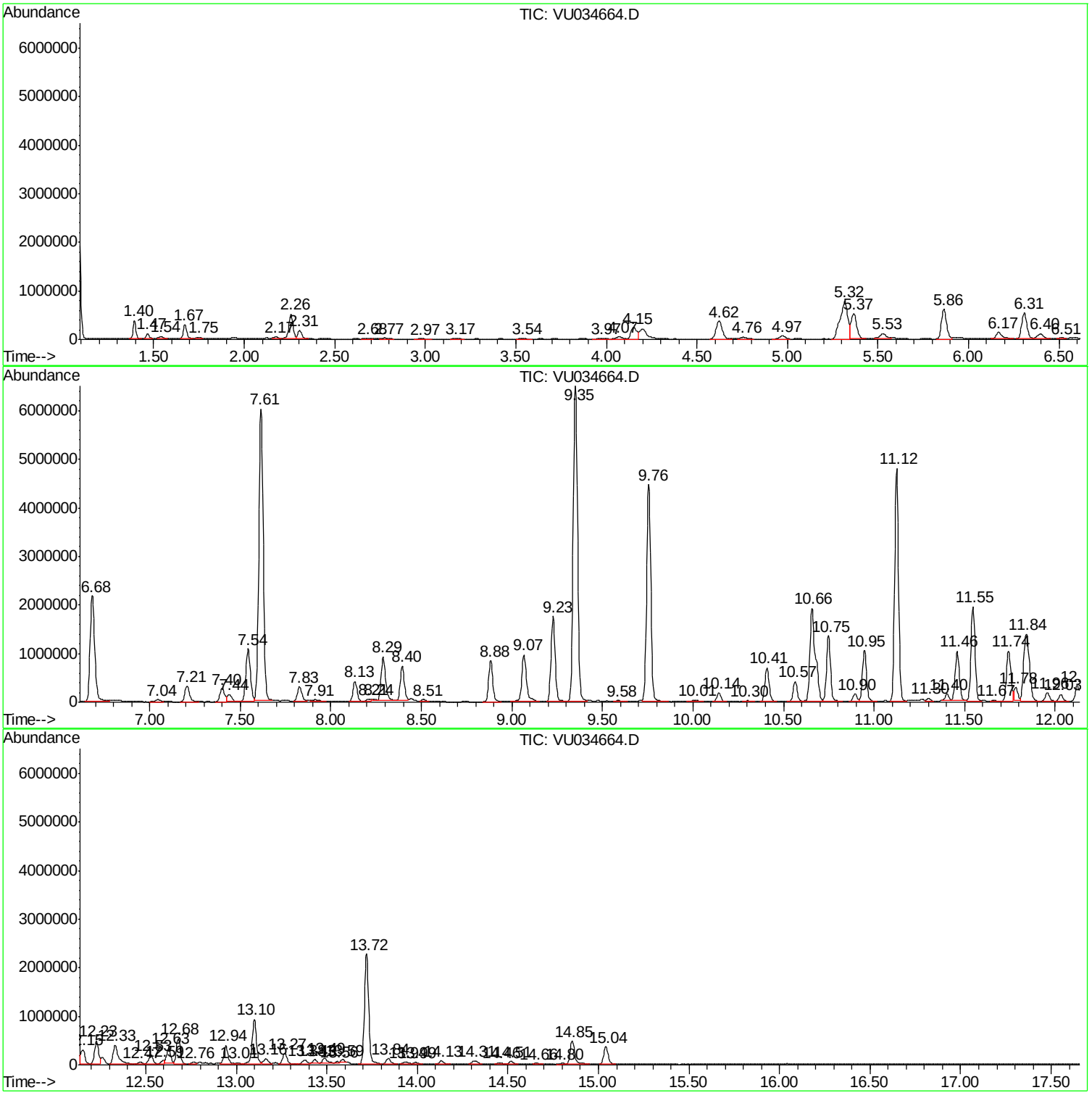
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

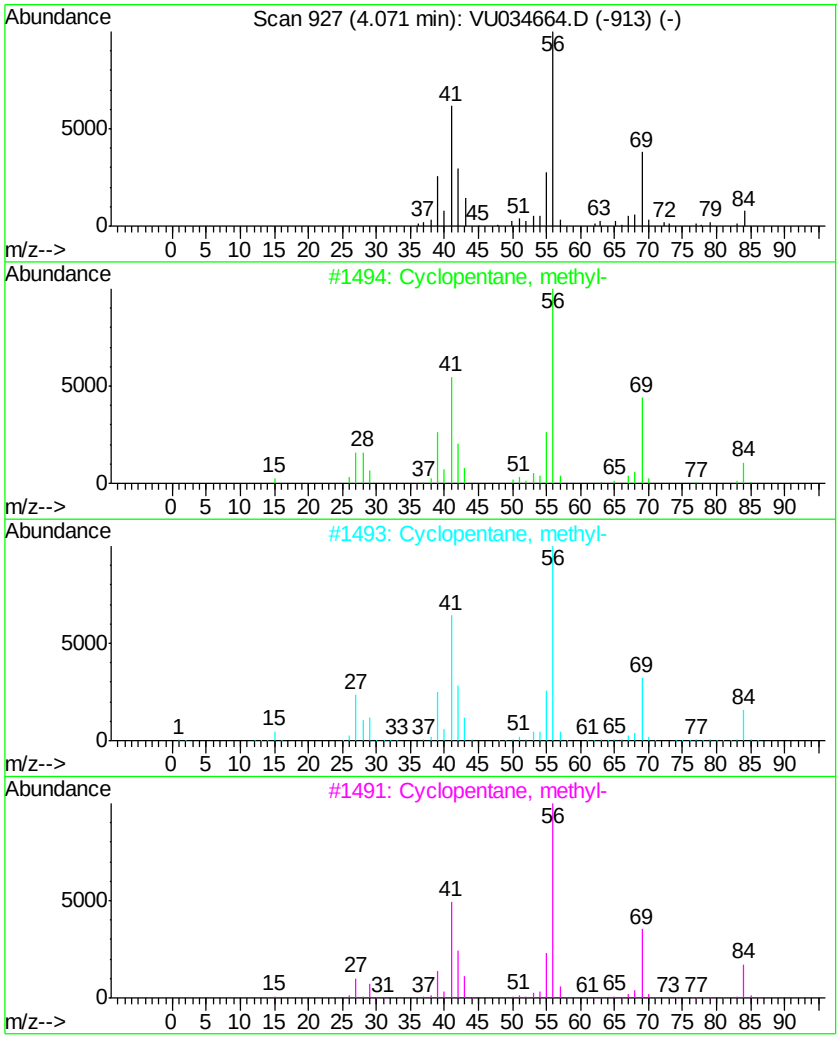
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

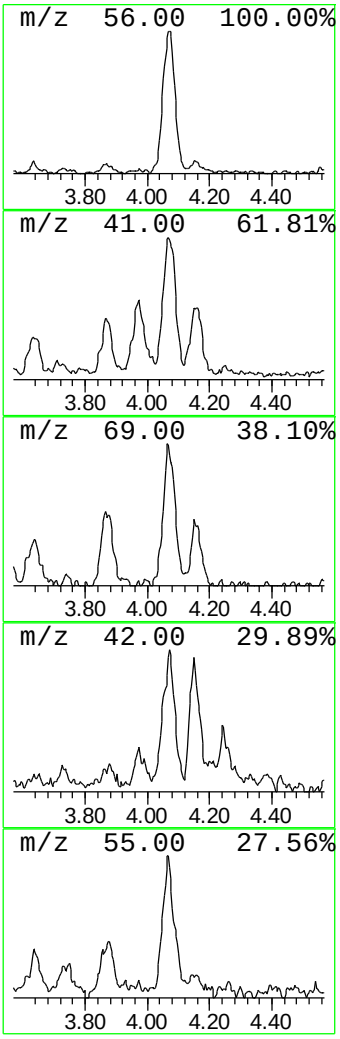
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic4.07 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	4.53 ug/L	110071	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclopropane, propyl-	84	C6H12	002415-72-7	56
5	Cyclobutane	56	C4H8	000287-23-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

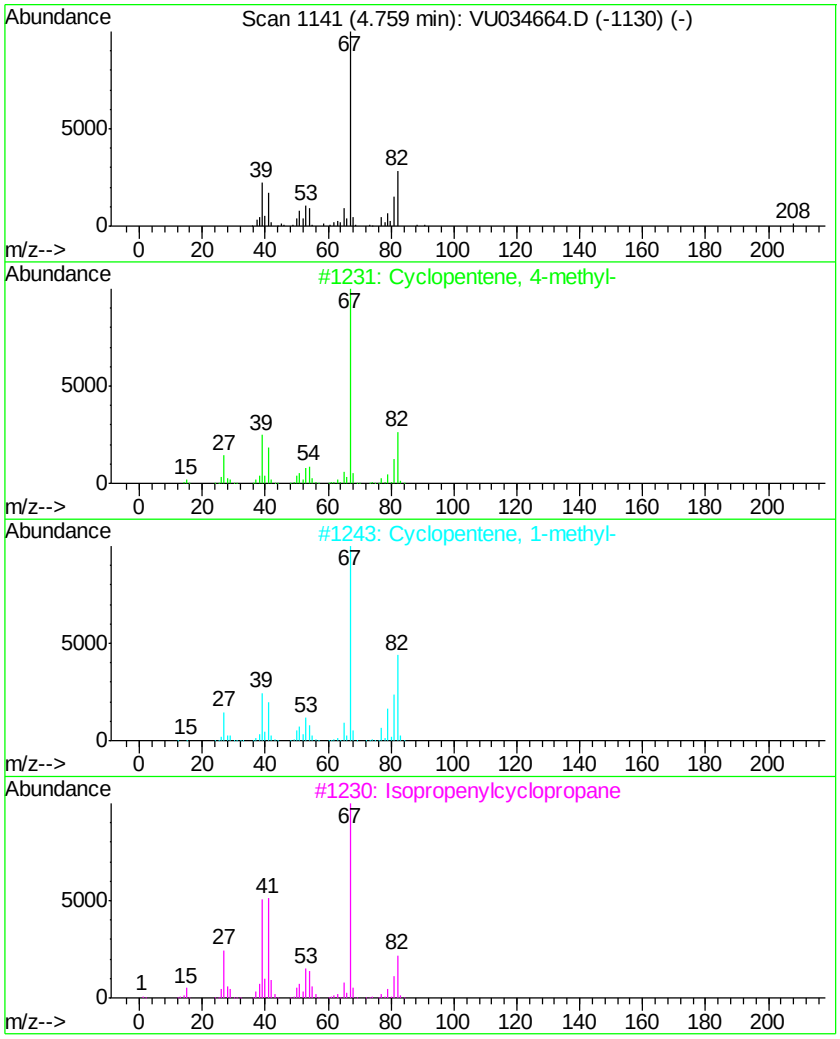
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

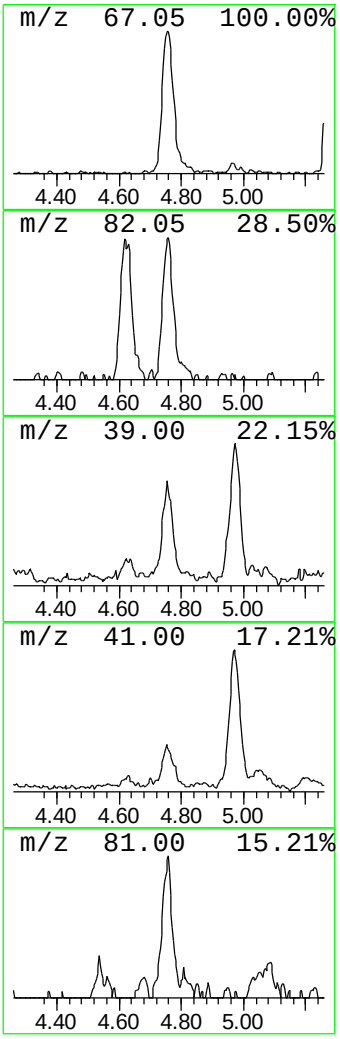
****

Peak Number 3 Cyclopentene, 4-methyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	3.93 ug/L	95460	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Isopropenylcyclopropane	82	C6H10	004663-22-3	87
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

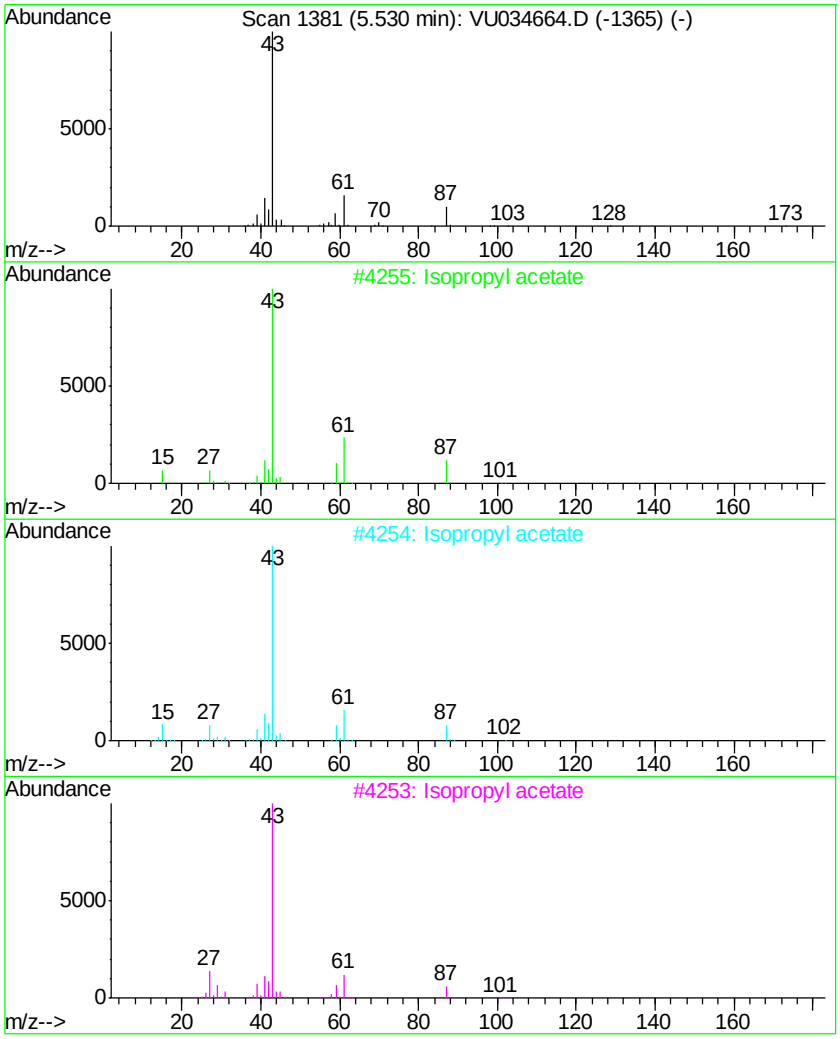
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

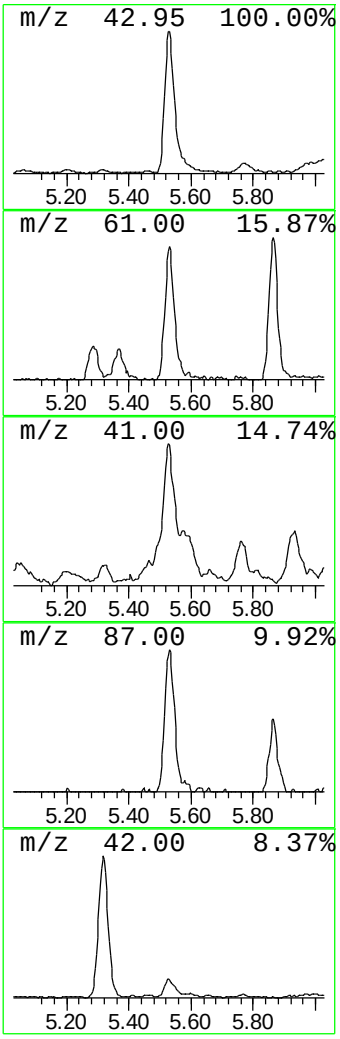
****

Peak Number 4 Isopropyl acetate Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	8.83 ug/L	214510	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl acetate	102	C5H10O2	000108-21-4	53
2	Isopropyl acetate	102	C5H10O2	000108-21-4	50
3	Isopropyl acetate	102	C5H10O2	000108-21-4	50
4	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	22
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

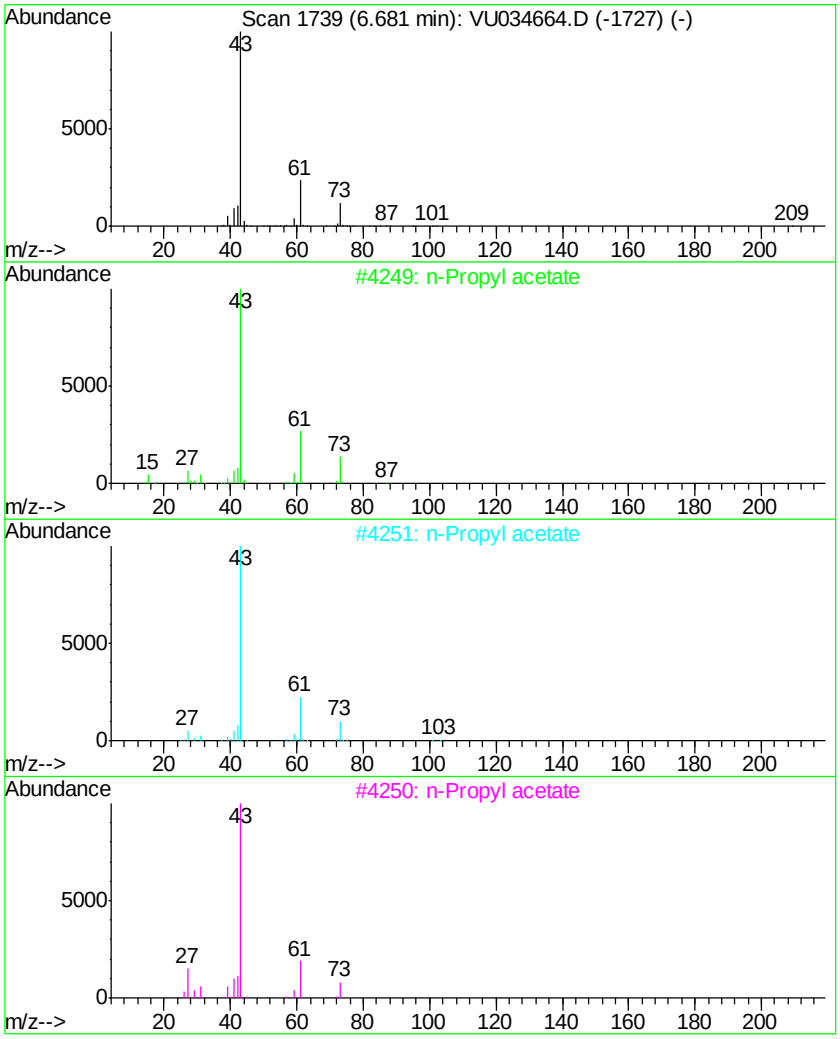
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

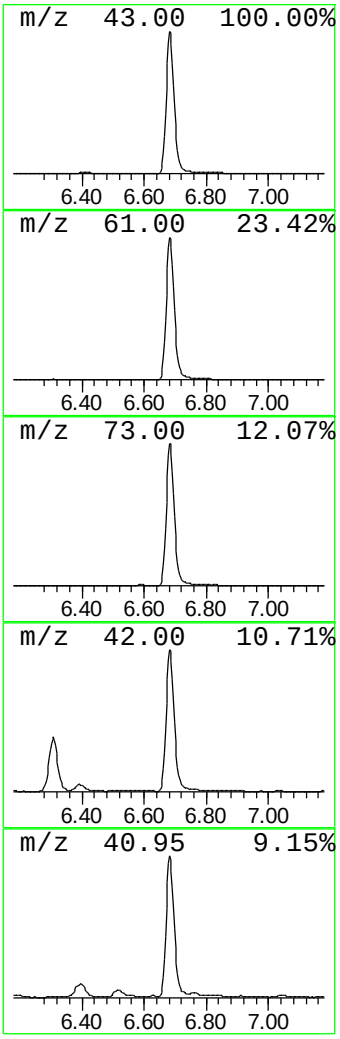
****

Peak Number 5 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	162.39 ug/L	3943030	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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

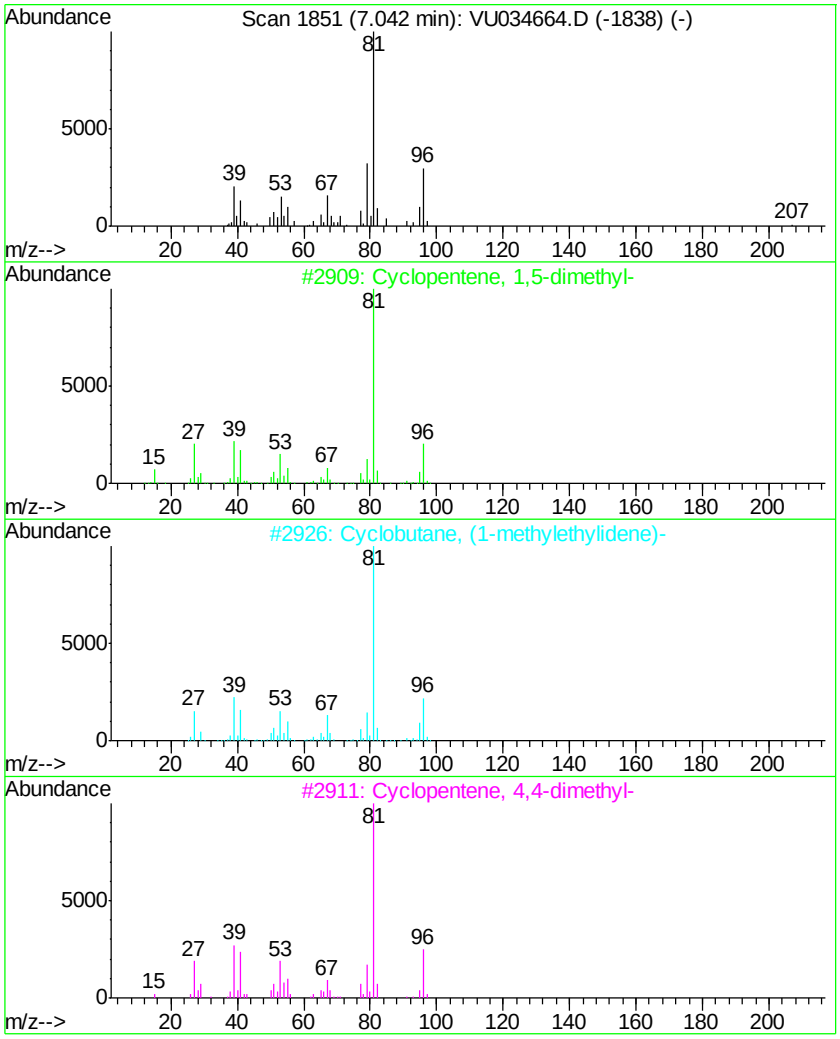
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

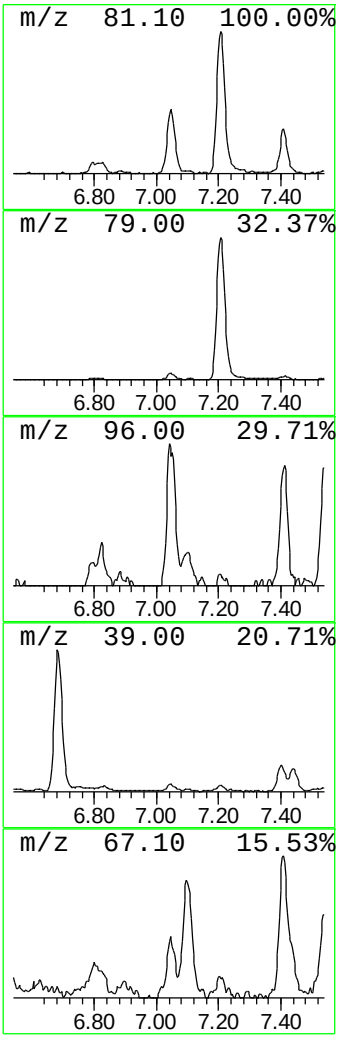
****

Peak Number 6 Cyclopentene, 1,5-dimethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	3.59 ug/L	87160	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
3	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	87
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	80
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	80





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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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Quant Title : VOC Analysis

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

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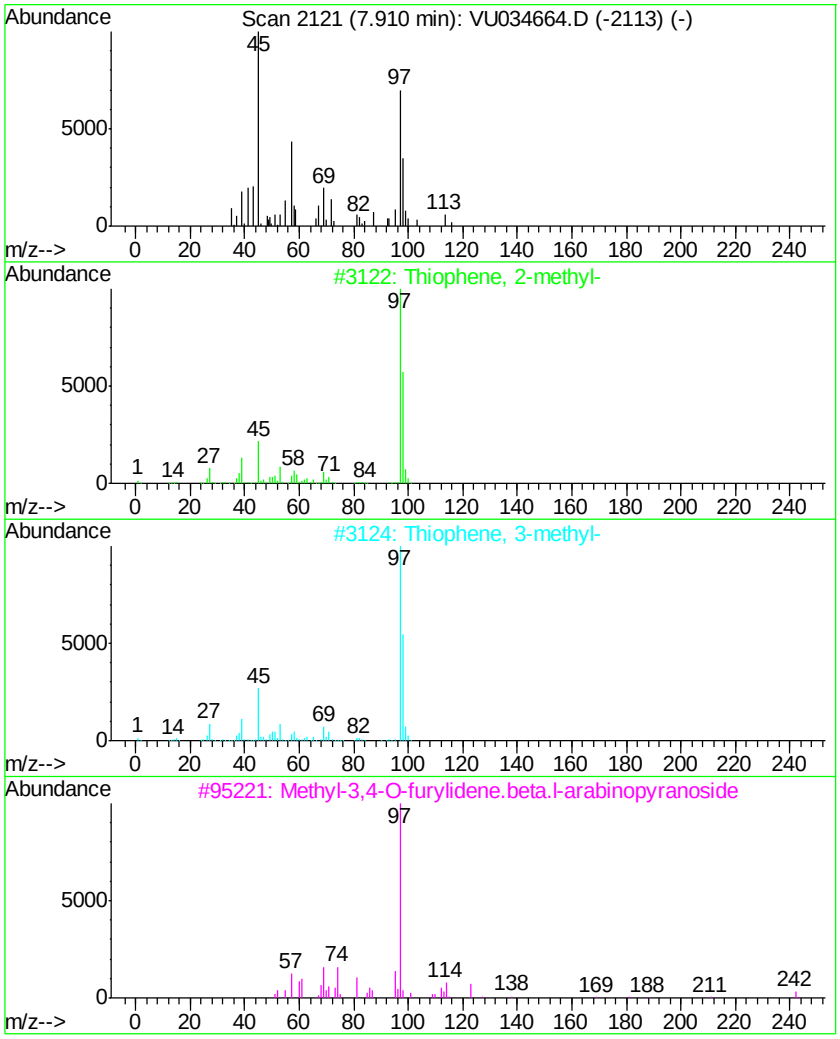
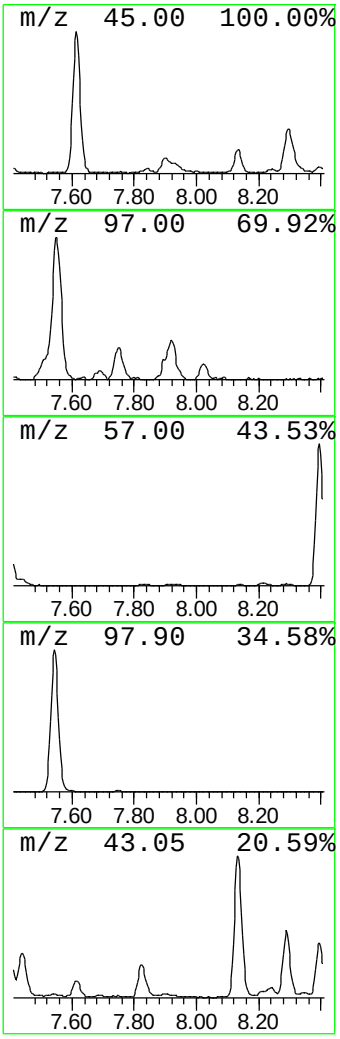
Peak Number 8 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	3.05 ug/L	107627	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	38
2	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	37
3	Methyl-3,4-O-furylidene.beta.l-a...	242	C11H14O6	053547-58-3	37
4	1,2-Ethanediol, 1,2-di-2-furanyl-	194	C10H10O4	004464-77-1	17
5	Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	14





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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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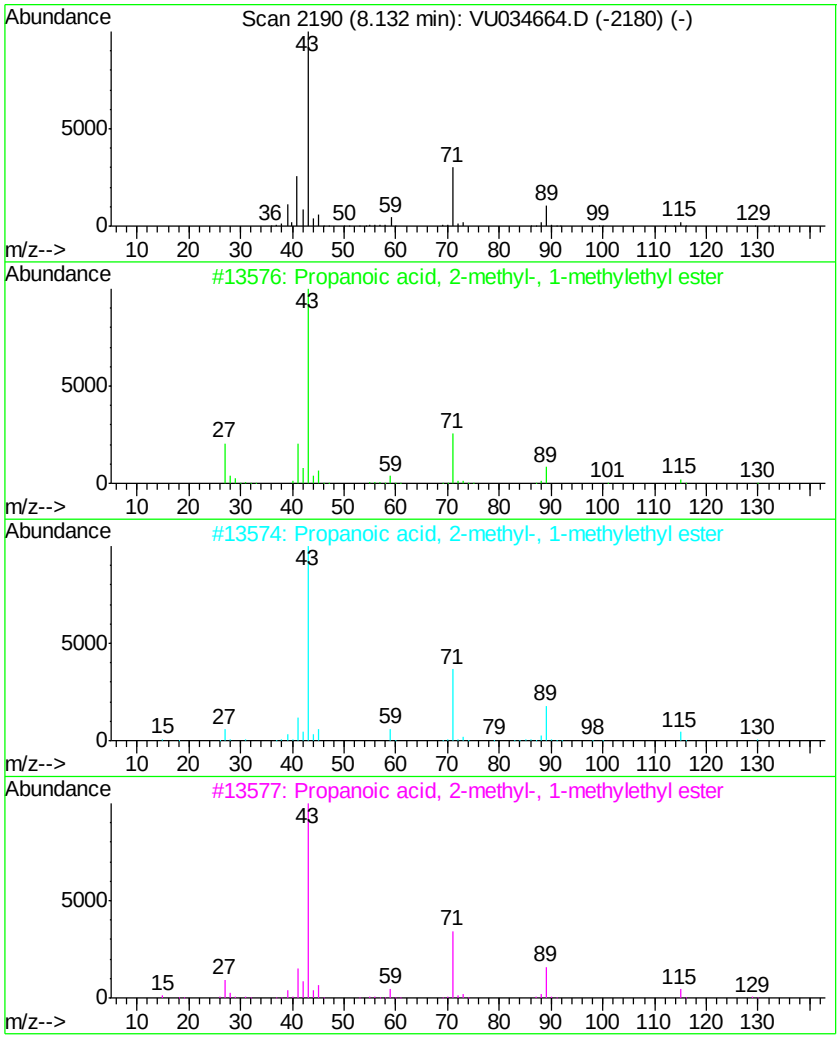
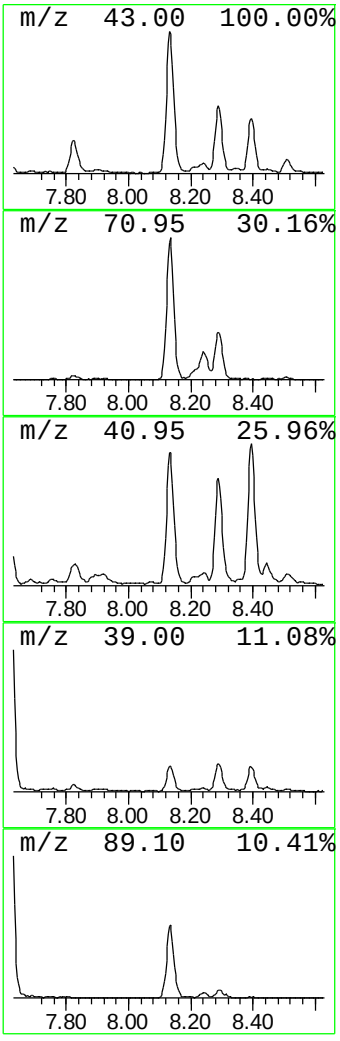
Peak Number 9 Propanoic acid, 2-methyl-, ... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	18.81 ug/L	662845	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	78
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	64
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	40





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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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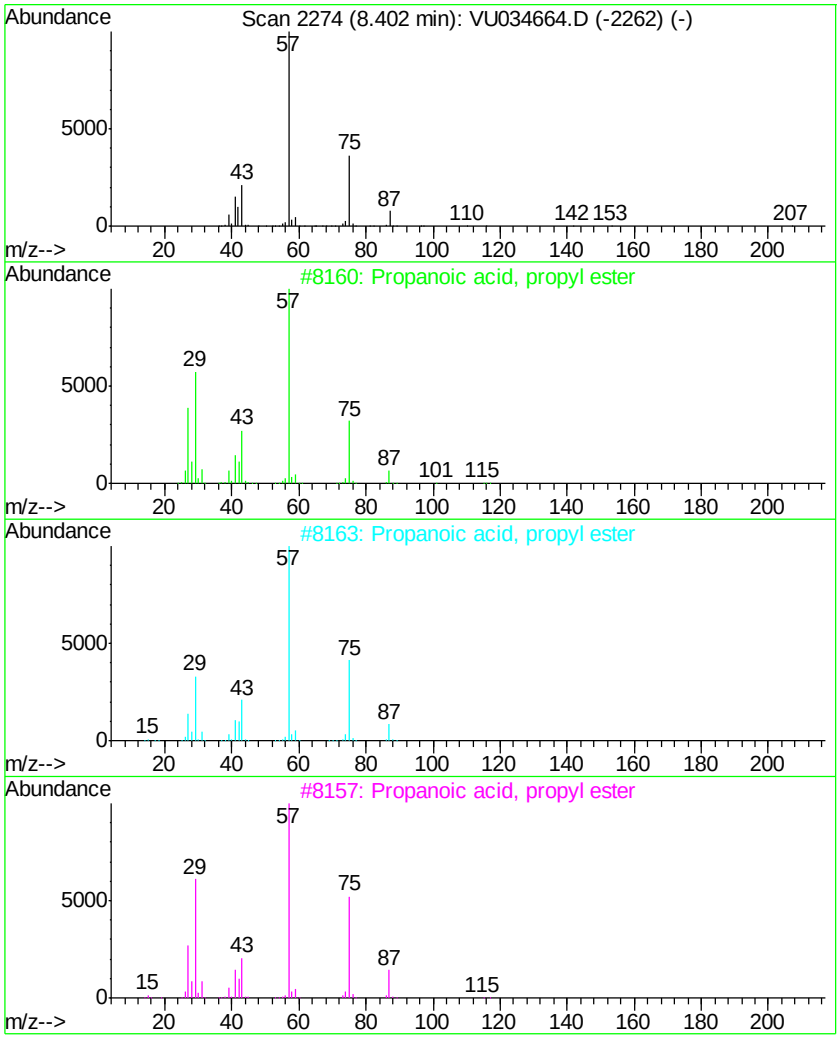
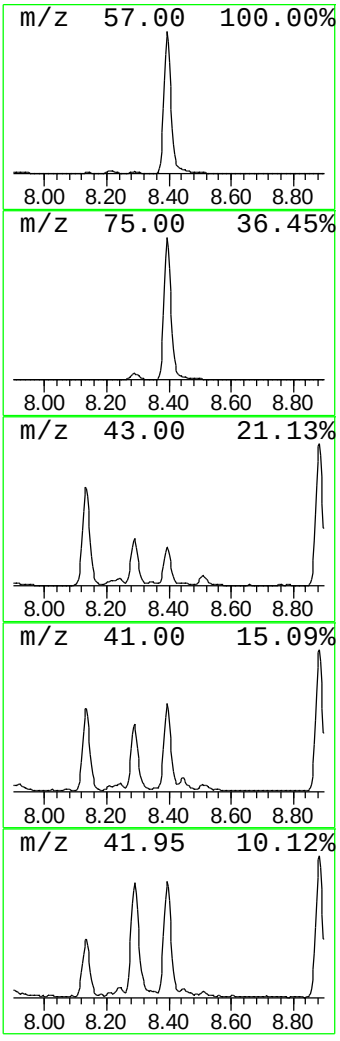
Peak Number 10 Propanoic acid, propyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	30.58 ug/L	1077740	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	72
5	1-Pentanamine	87	C5H13N	000110-58-7	9





Library Search Compound Report

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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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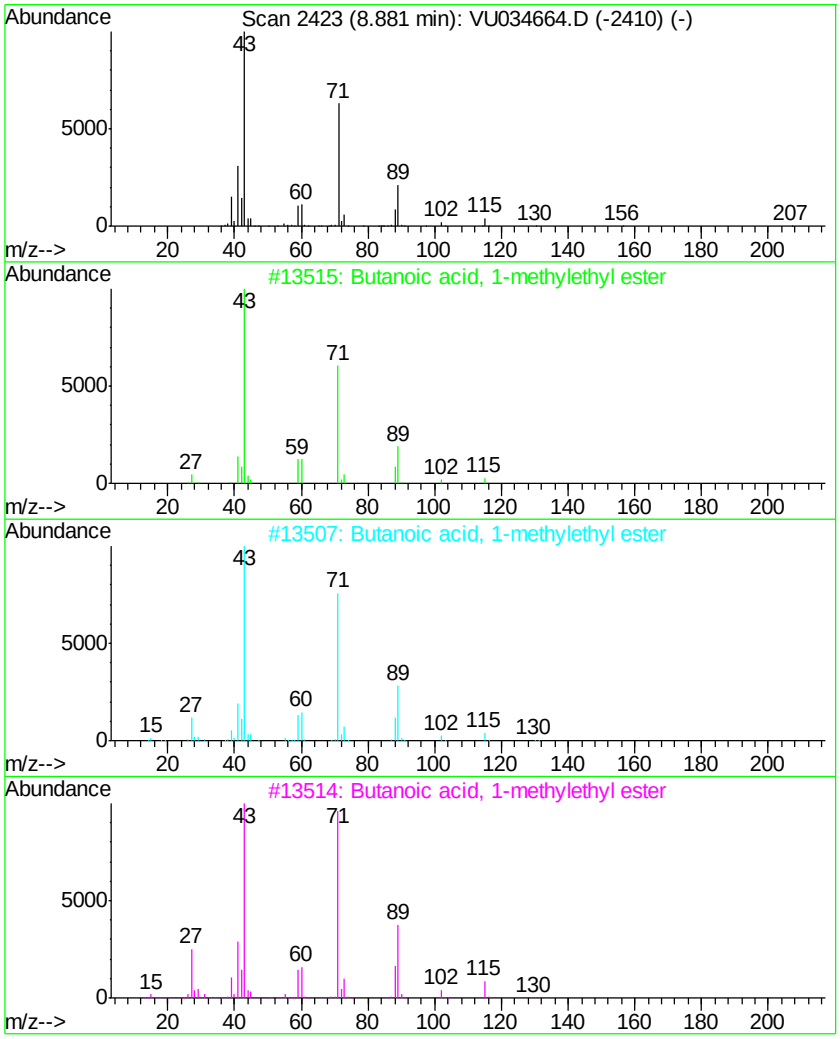
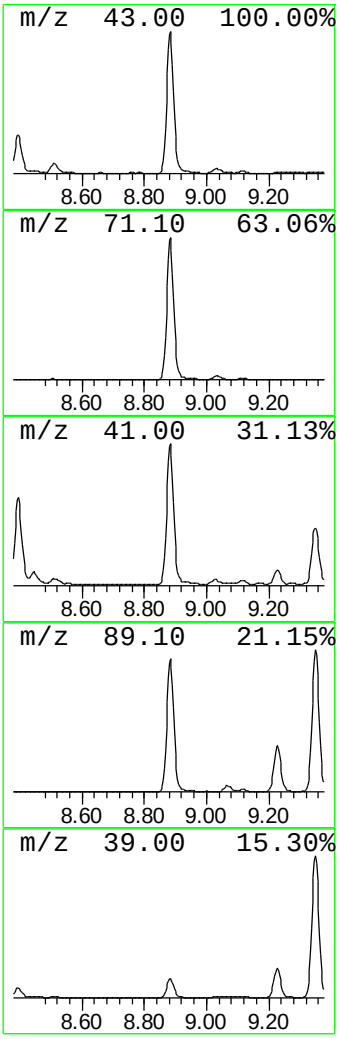
Peak Number 11 Butanoic acid, 1-methylethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	37.92 ug/L	1336050	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	90
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	86
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	59
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	59





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Acq On : 19 Sep 2019 22:13
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Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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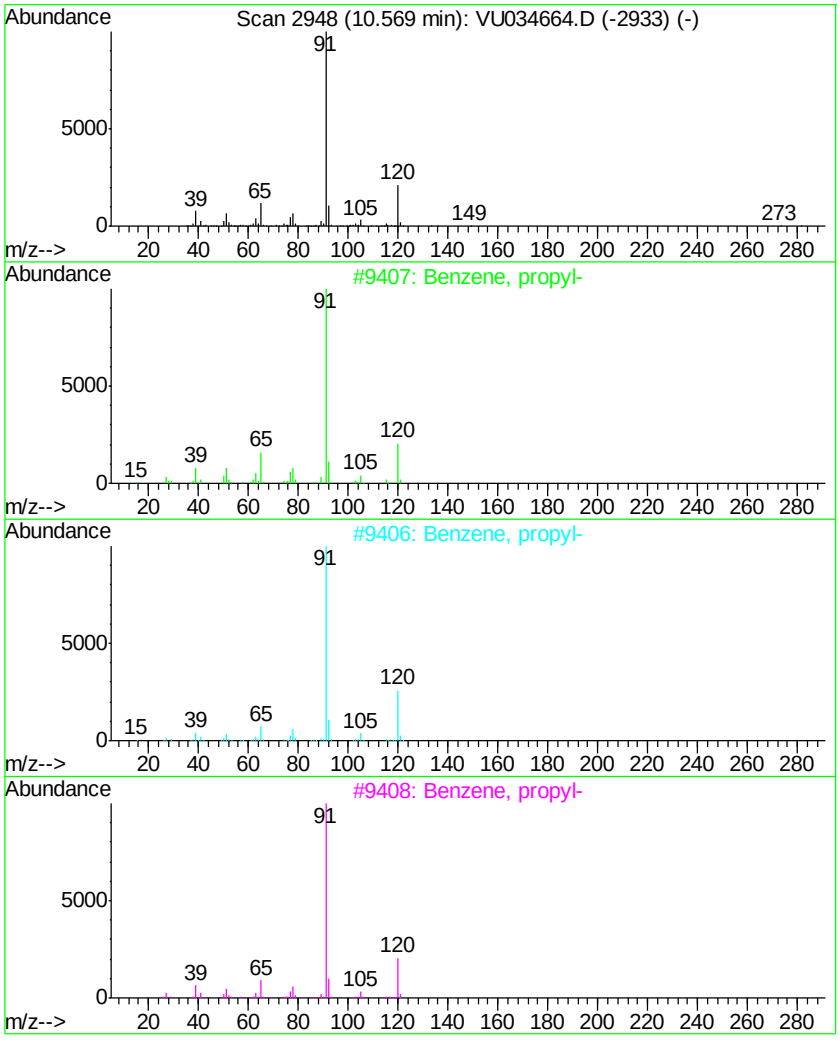
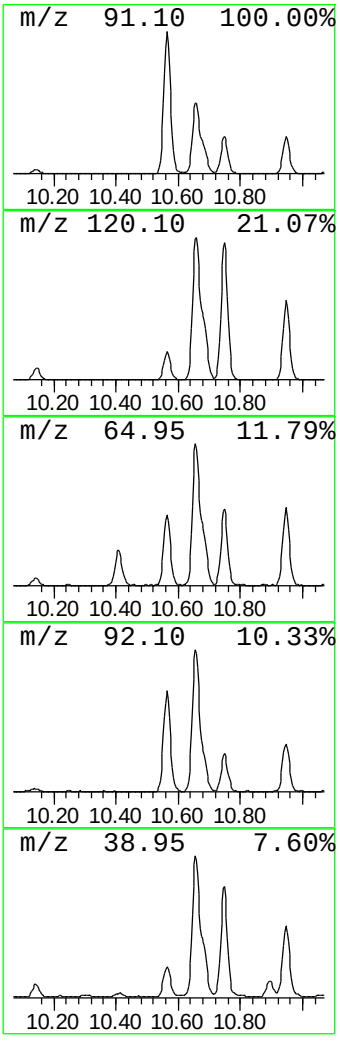
Peak Number 12 Benzene, propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	20.22 ug/L	662429	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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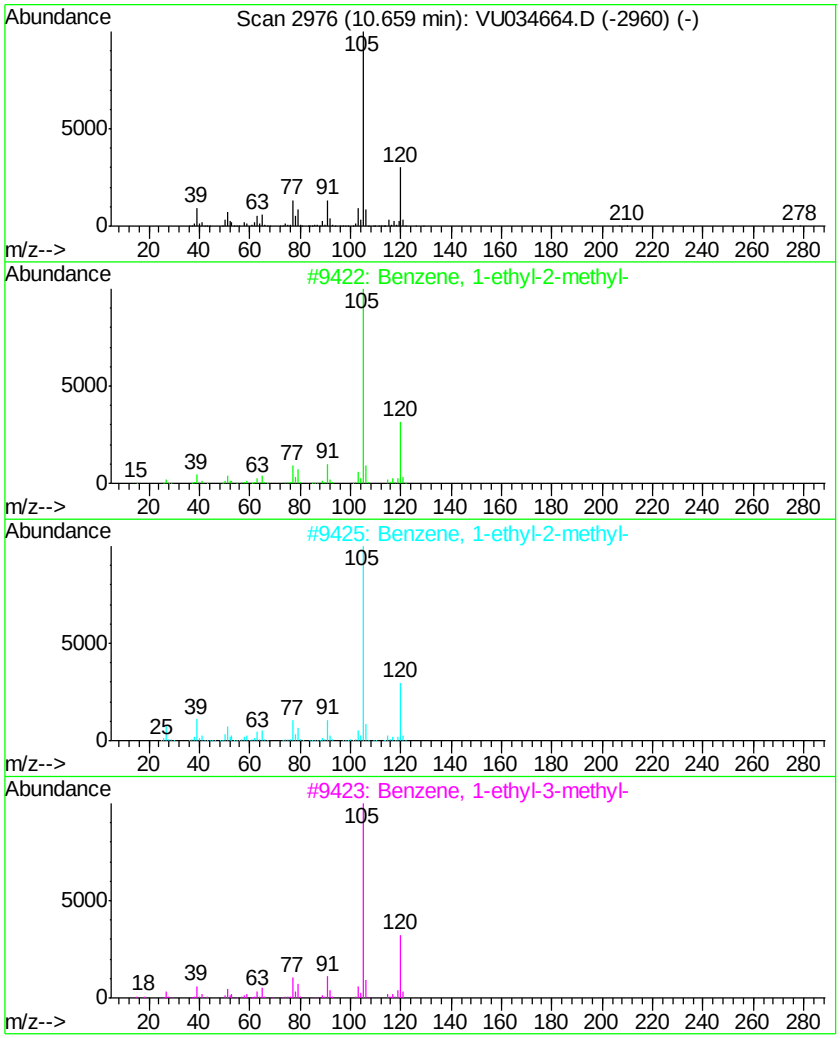
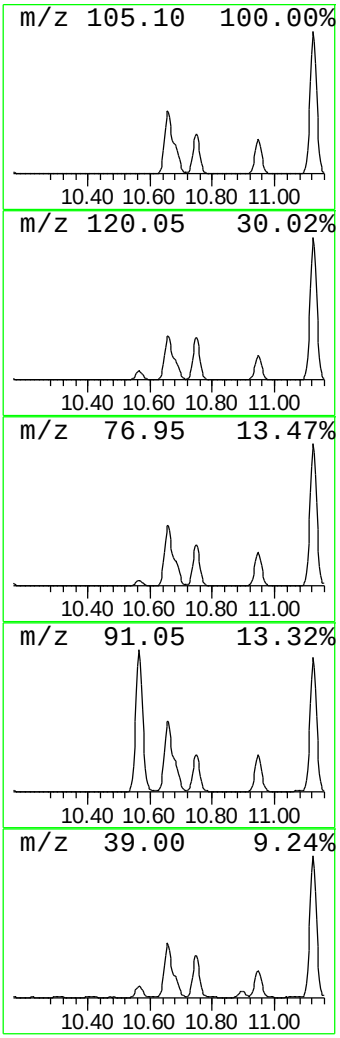
Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	123.02 ug/L	4030450	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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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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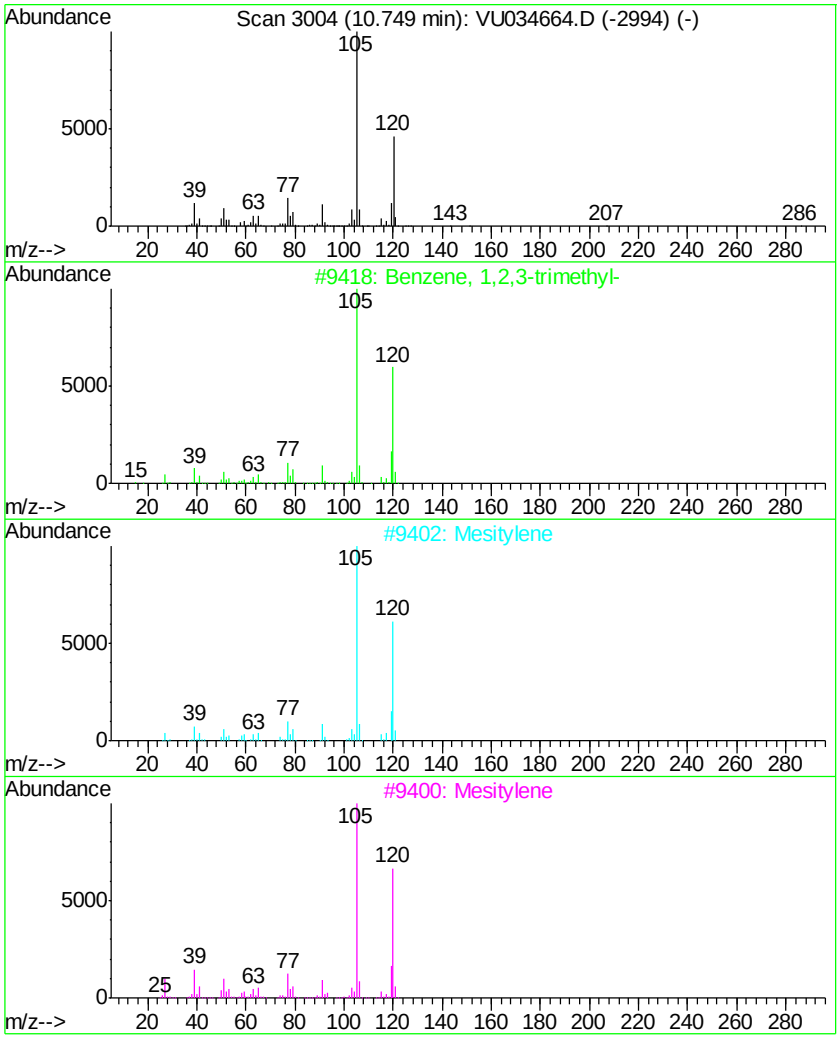
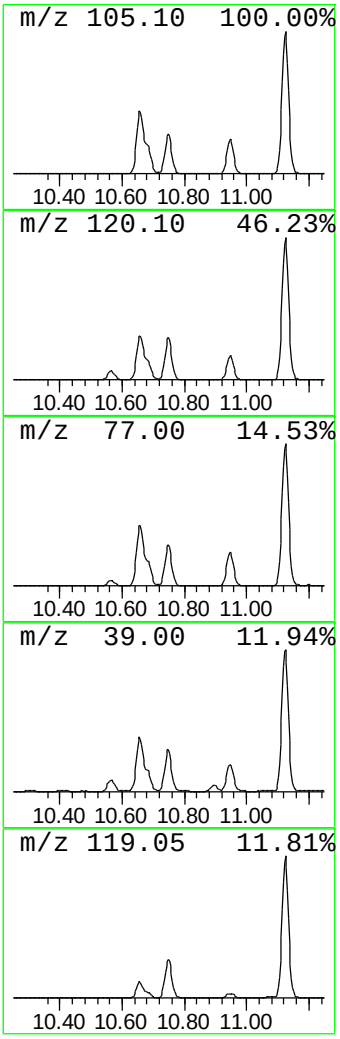
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	63.82 ug/L	2090800	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	95
2	Mesitylene	120	C9H12	000108-67-8	95
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	94





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Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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Quant Title : VOC Analysis

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

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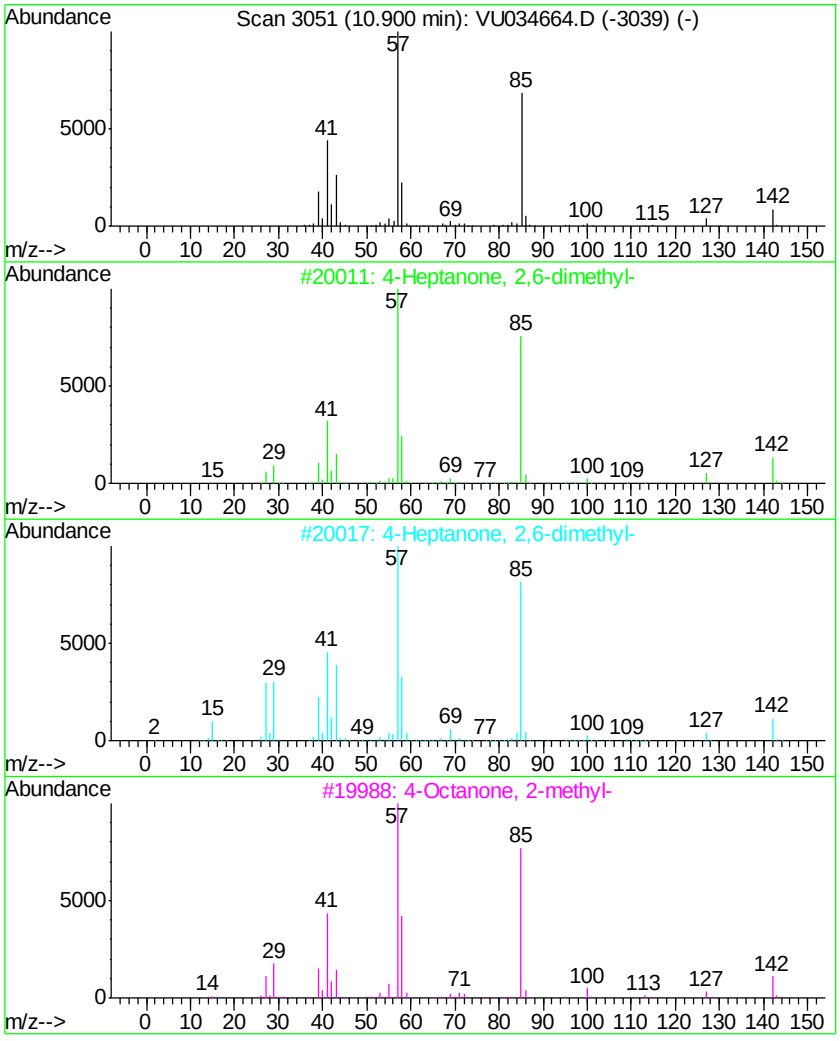
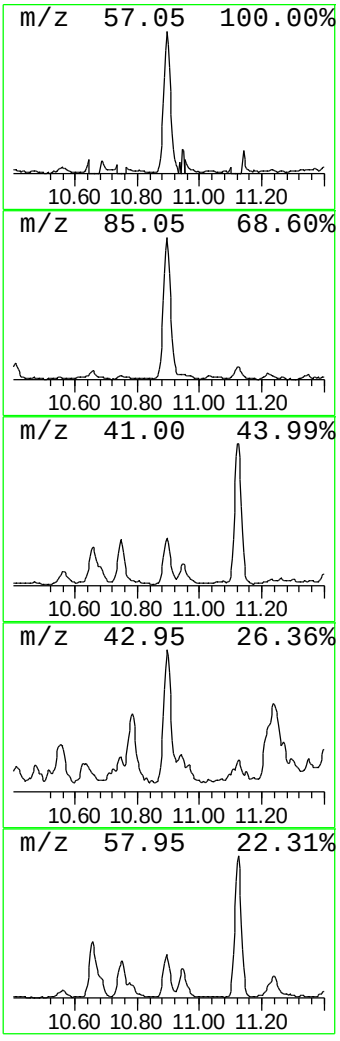
Peak Number 15 4-Heptanone, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	7.35 ug/L	240668	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	72
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	59
4	5-Nonanone	142	C9H18O	000502-56-7	58
5	Acetaldehyde, bis(1-methylethyl)...	142	C8H18N2	067660-50-8	50





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Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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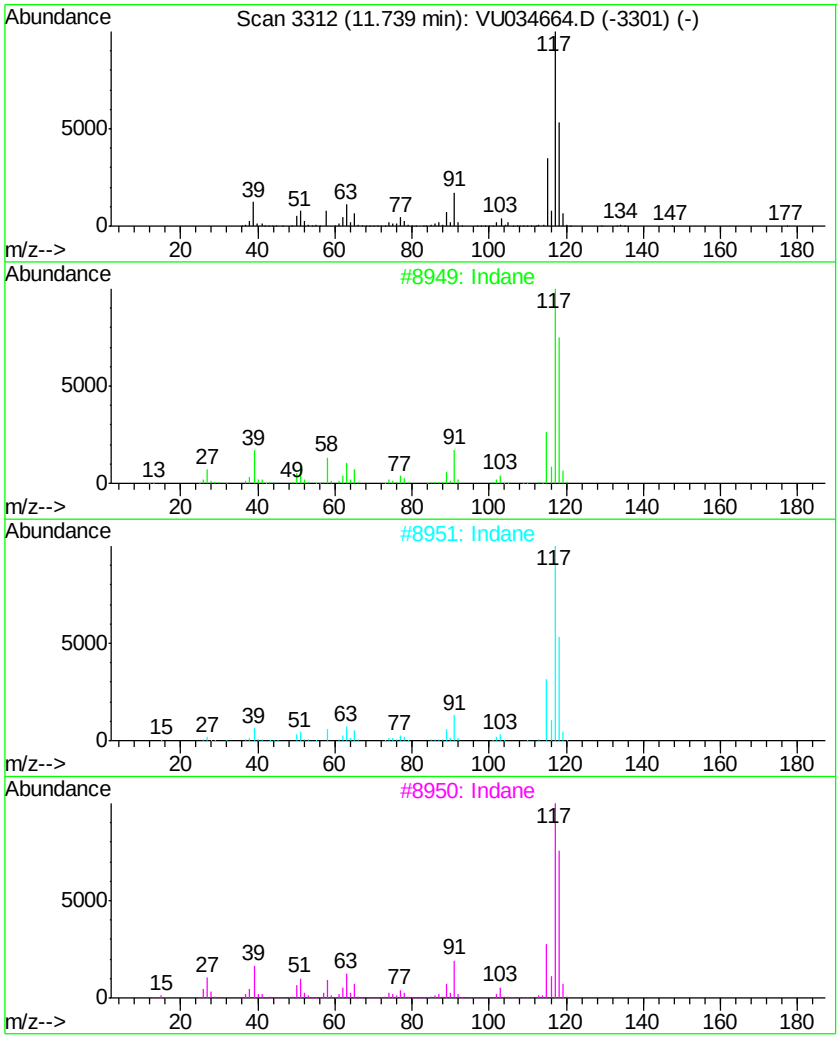
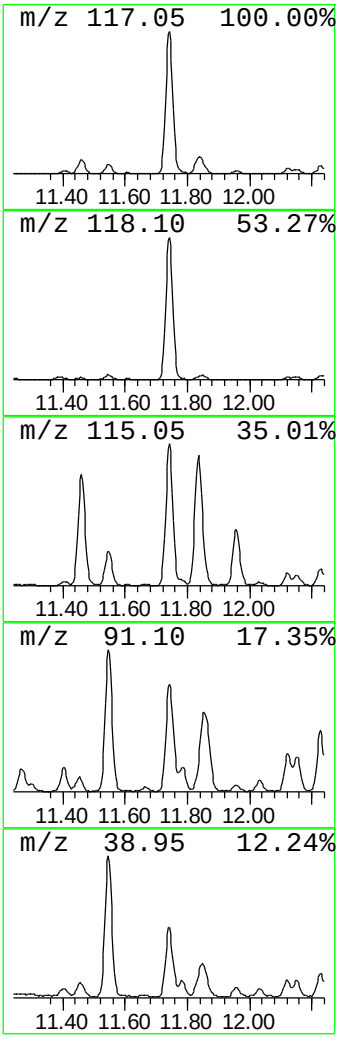
Peak Number 20 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	54.65 ug/L	1790510	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	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





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Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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Quant Title : VOC Analysis

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

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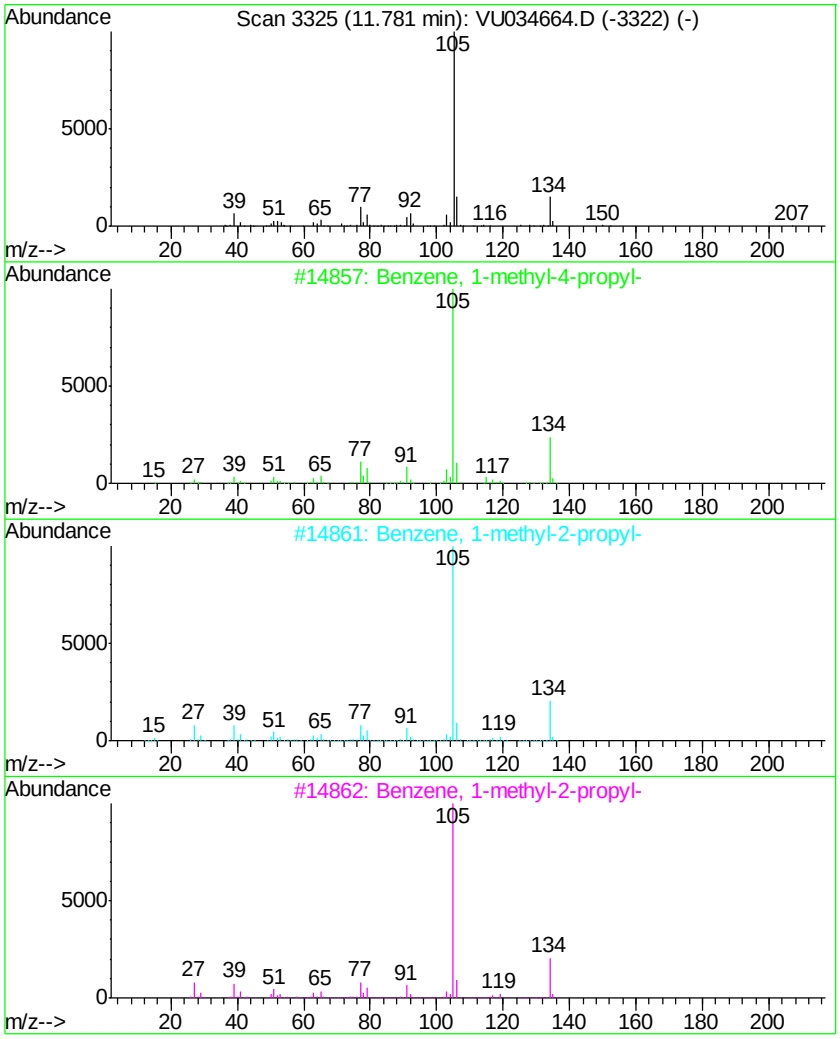
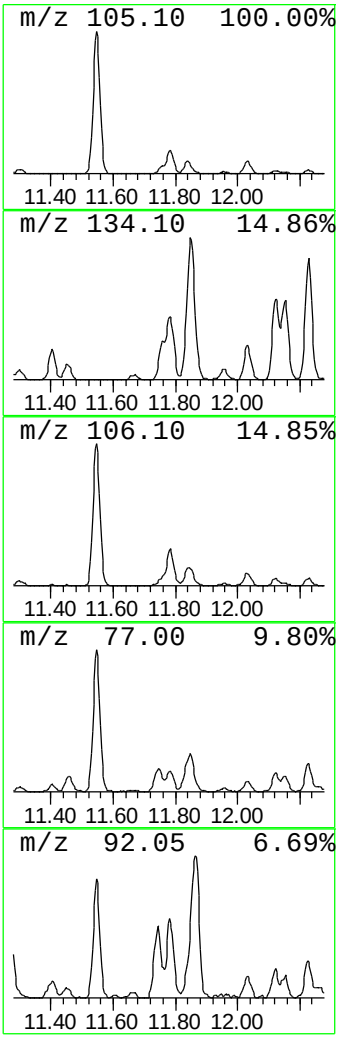
Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	10.40 ug/L	340606	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	78
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	78
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	74
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





Library Search Compound Report

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Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

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Peak Number 22 1-Propyne, 3-phenyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	8.77 ug/L	287215	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	81
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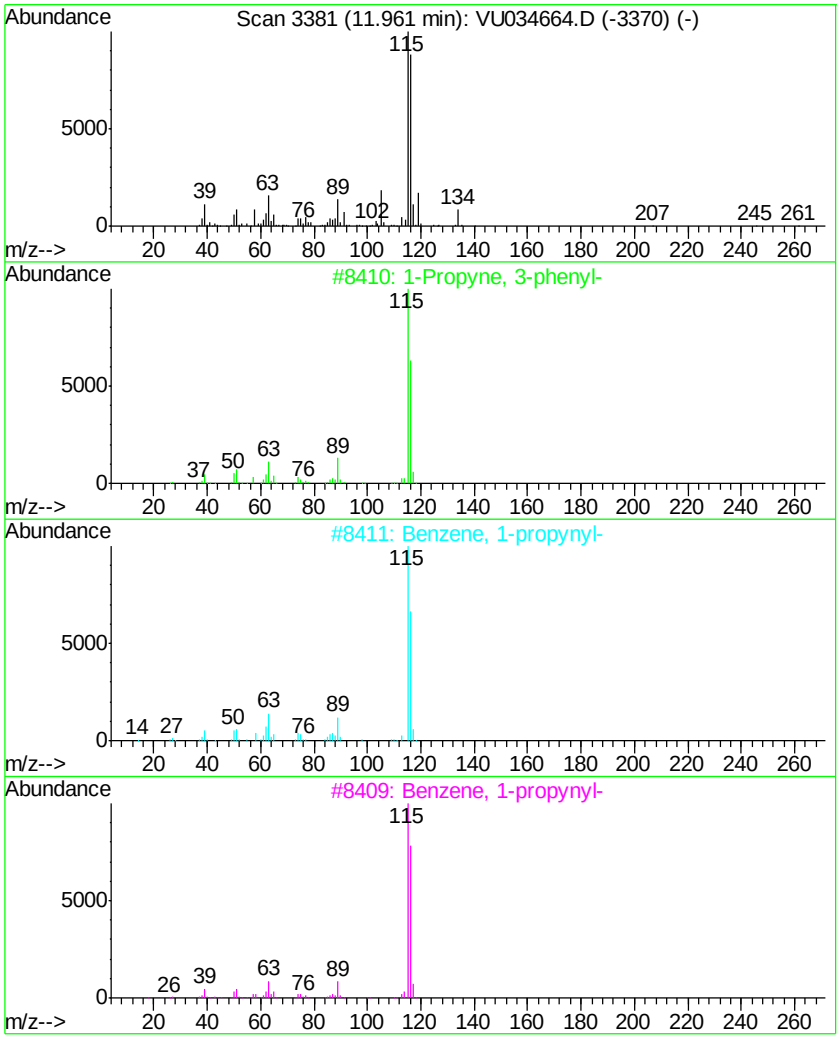

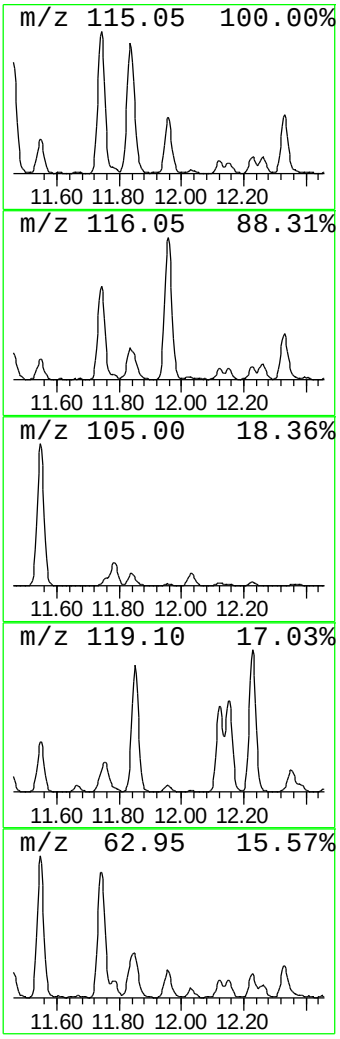

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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

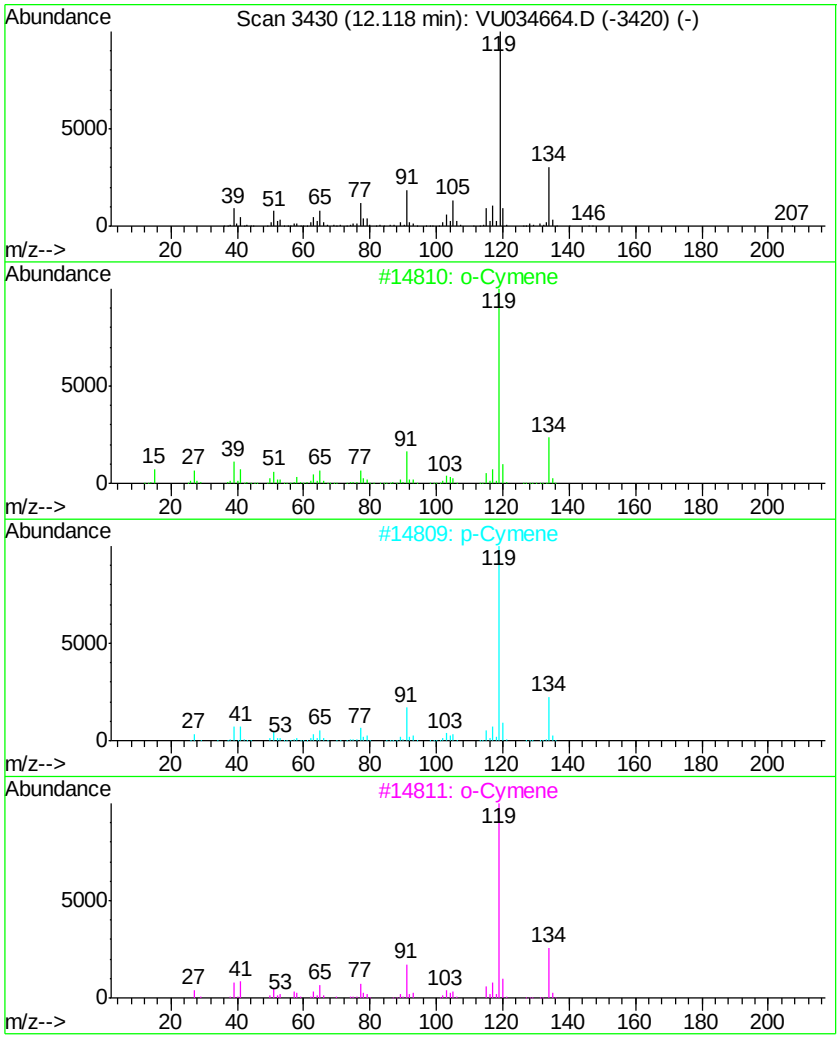
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

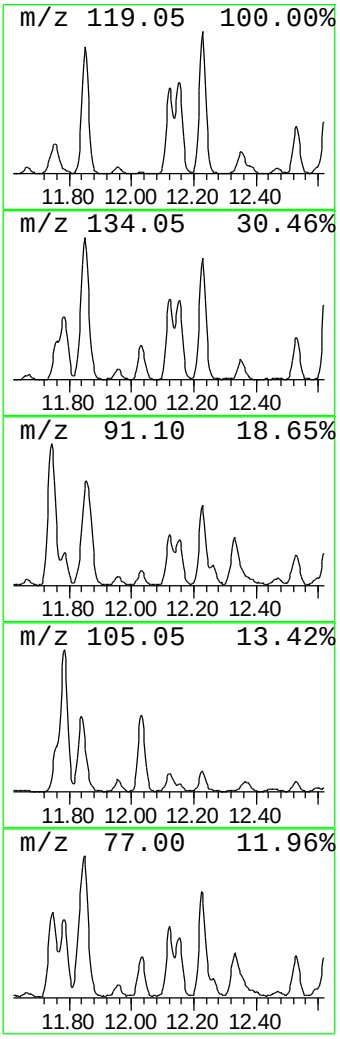
****

Peak Number 24 o-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	15.10 ug/L	494580	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96





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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

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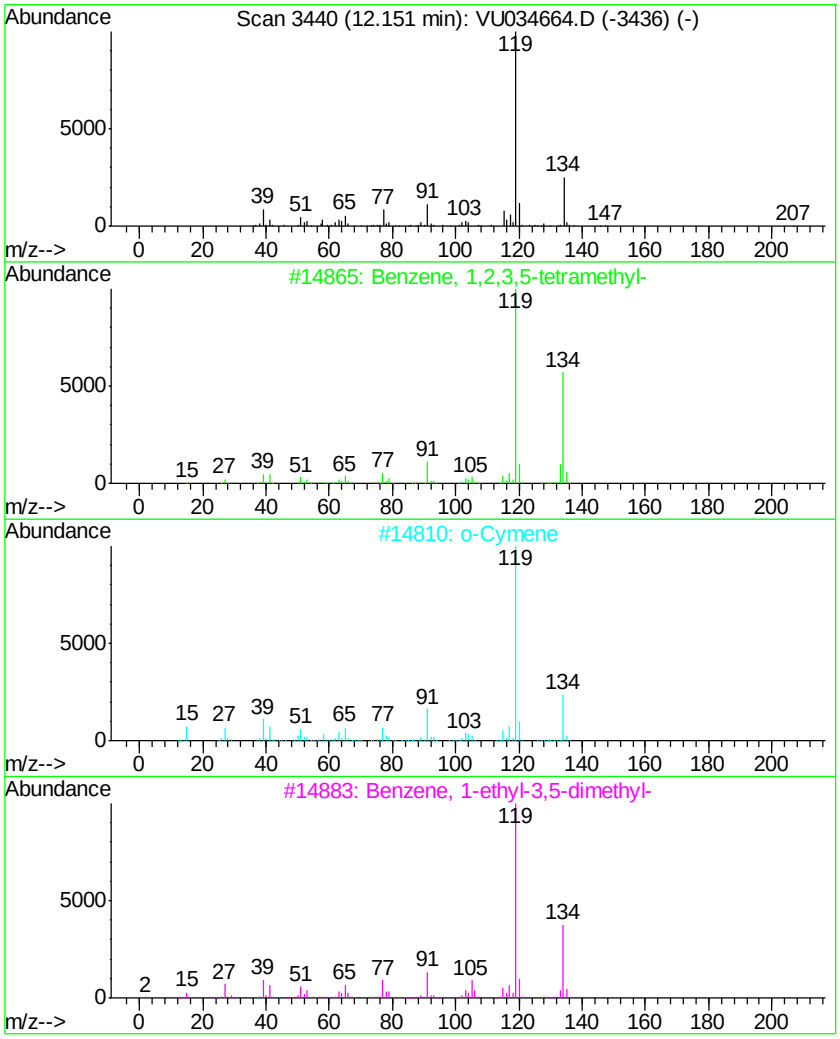
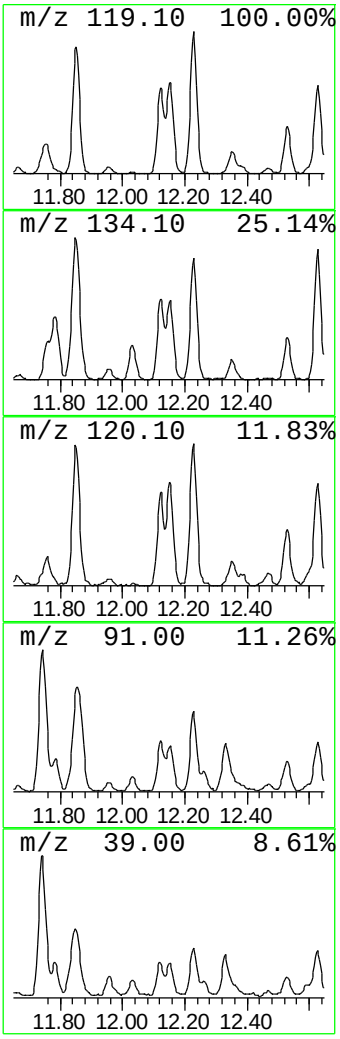
Peak Number 25 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.70 ug/L	416177	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Library Search Compound Report

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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

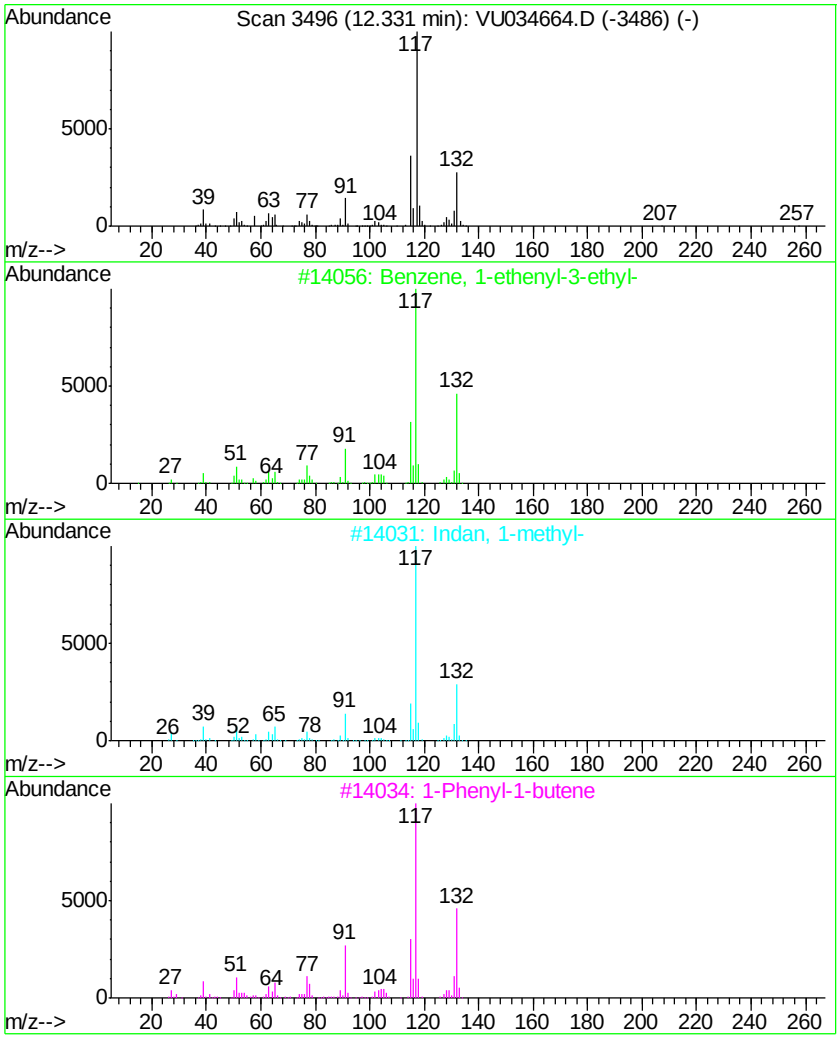
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

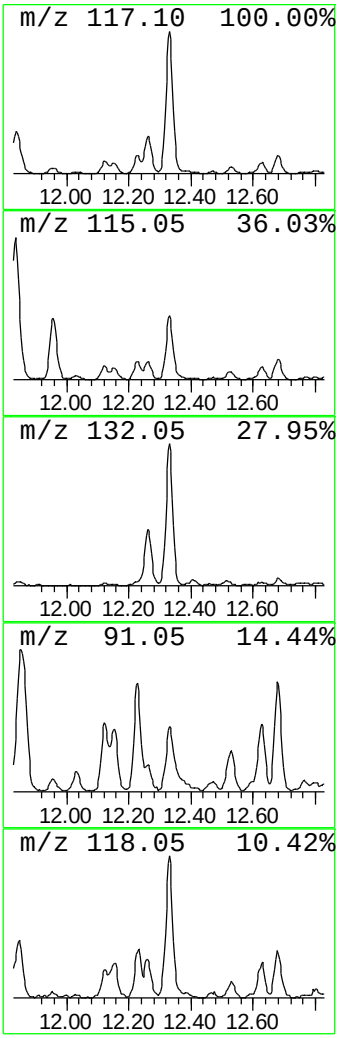
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	24.99 ug/L	818606	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

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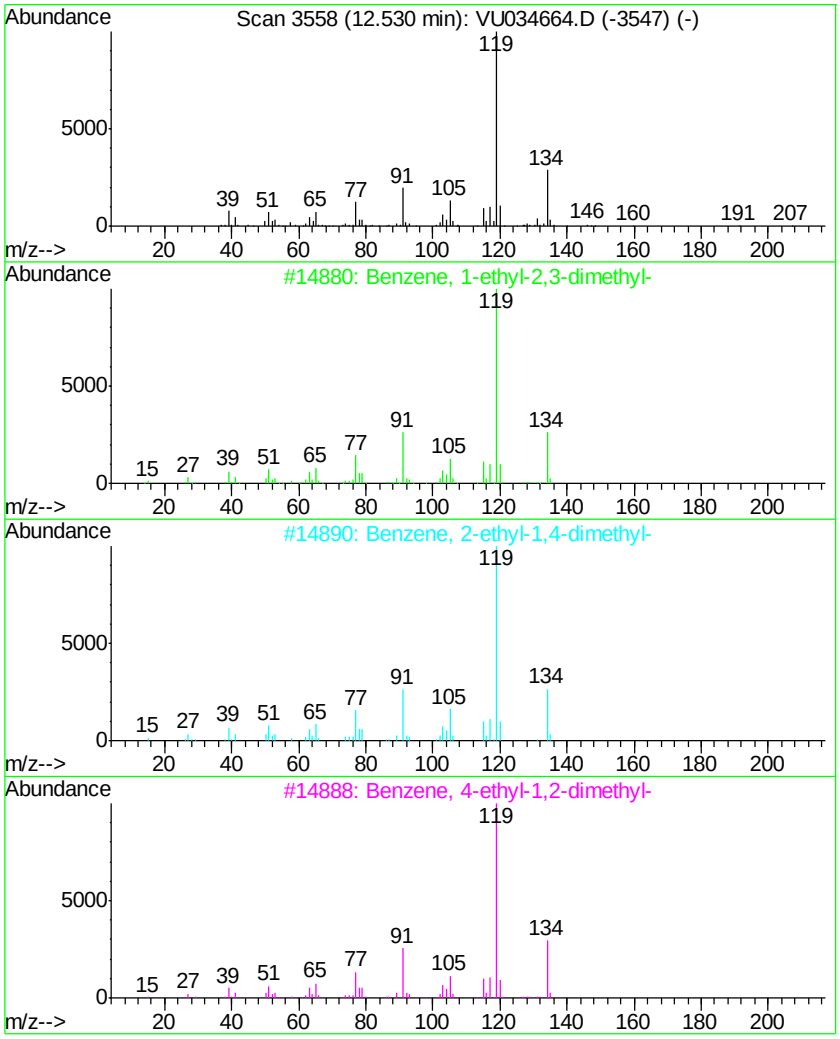
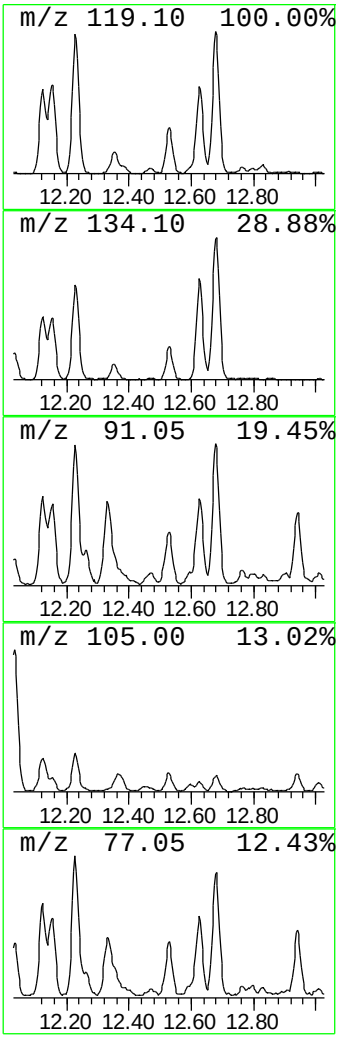
Peak Number 28 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	8.52 ug/L	279070	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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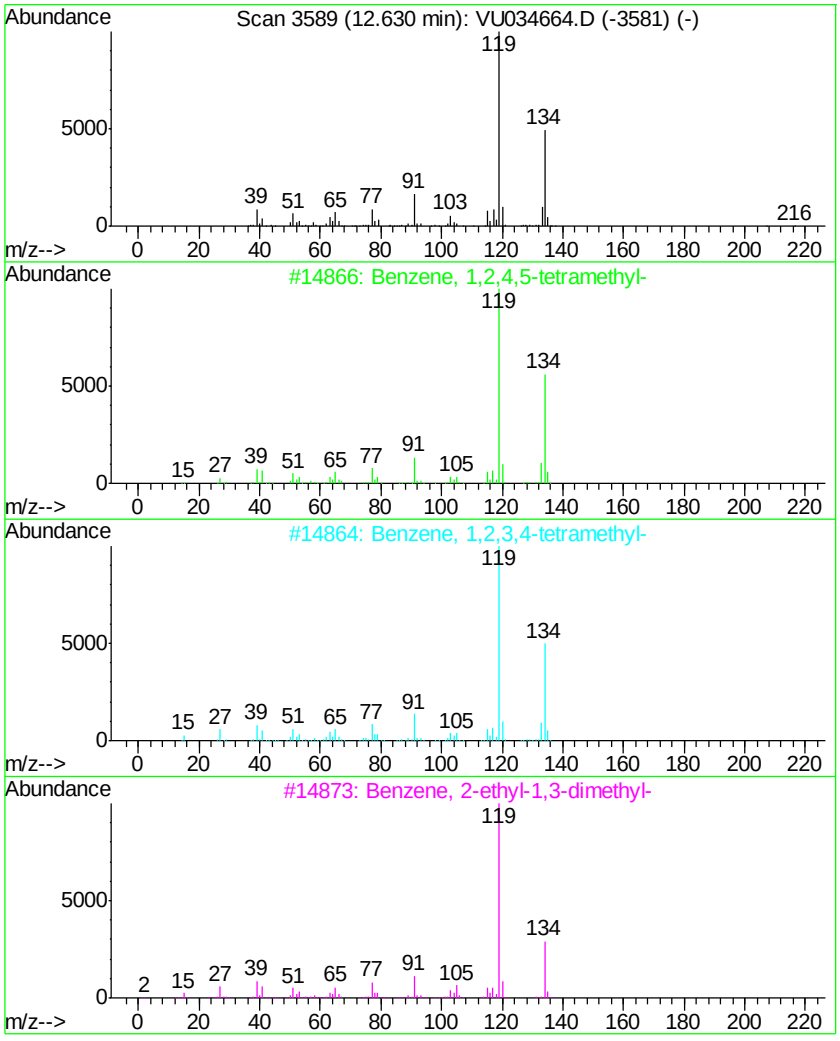
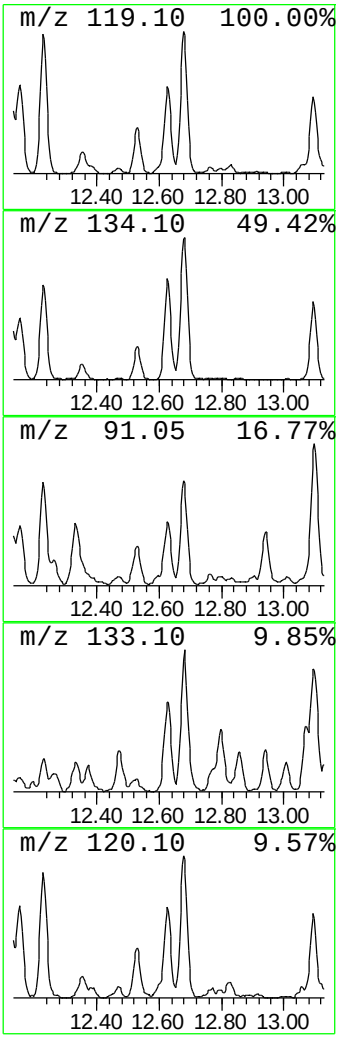
Peak Number 29 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	14.96 ug/L	490103	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	96
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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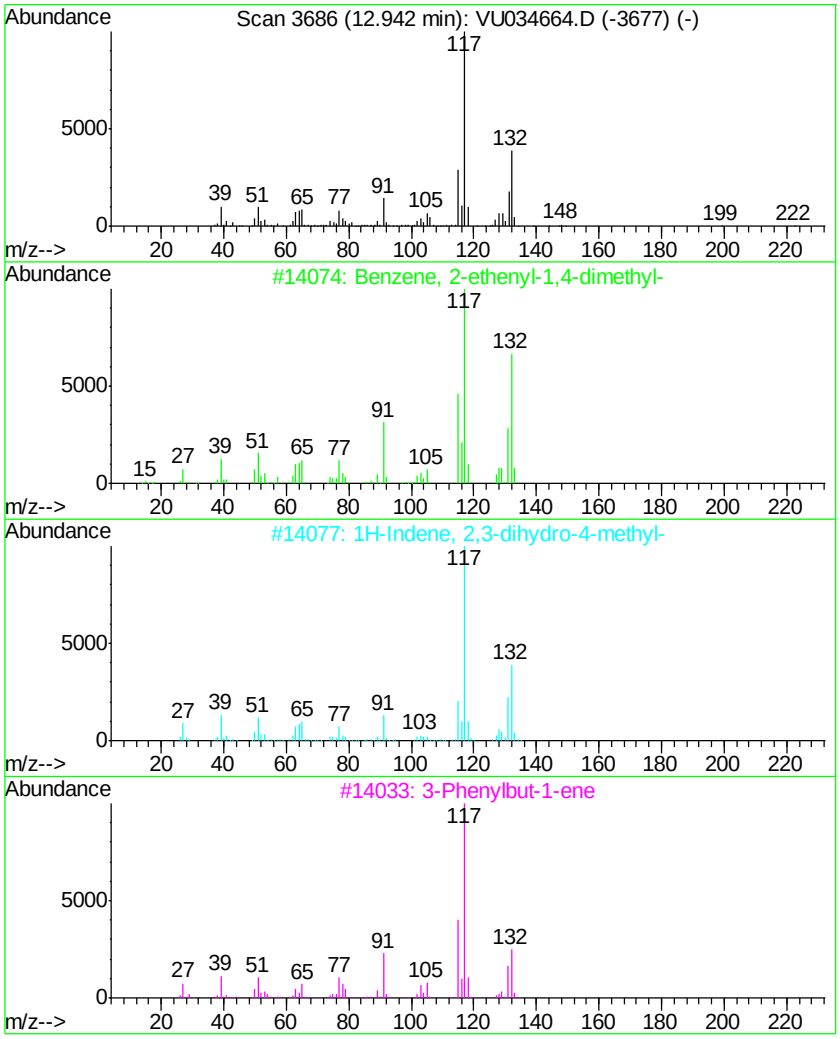
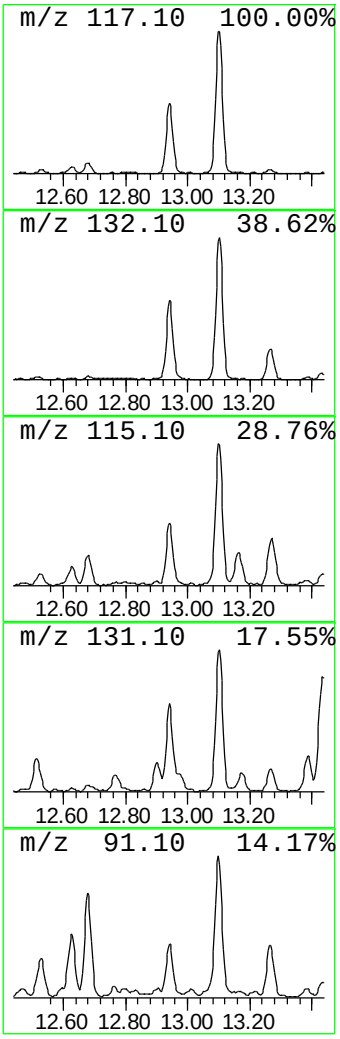
Peak Number 31 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	17.52 ug/L	573946	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	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	94
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93





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Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

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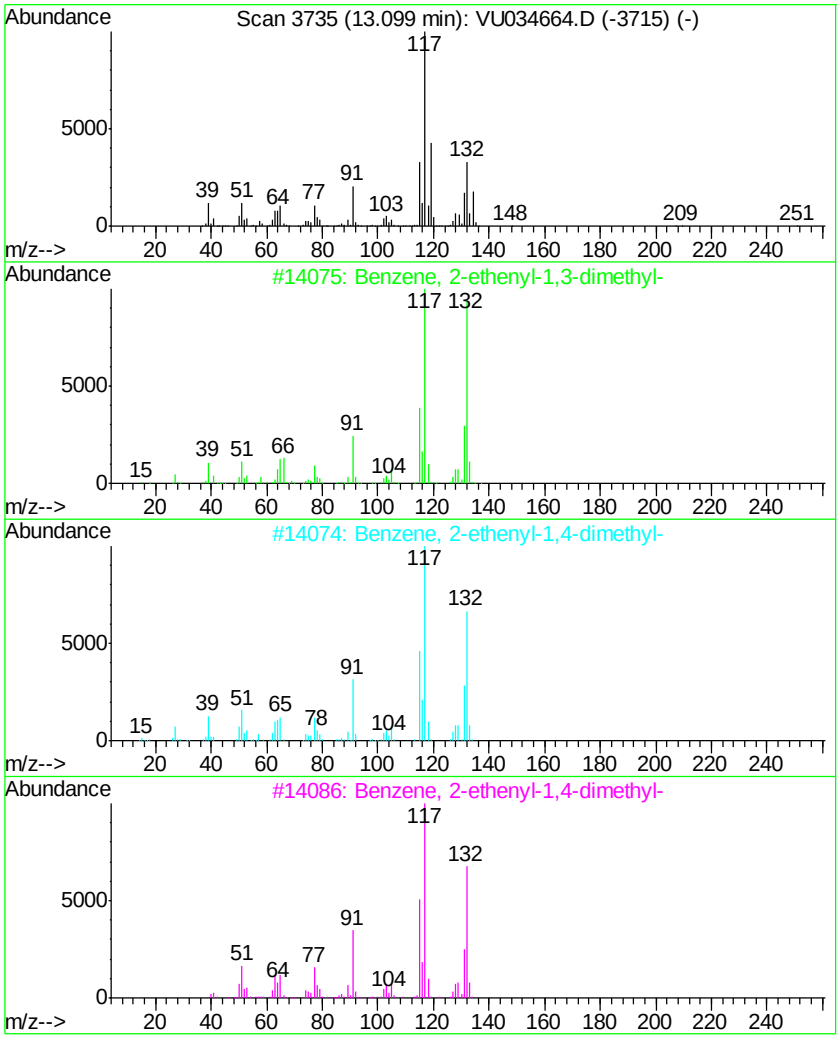
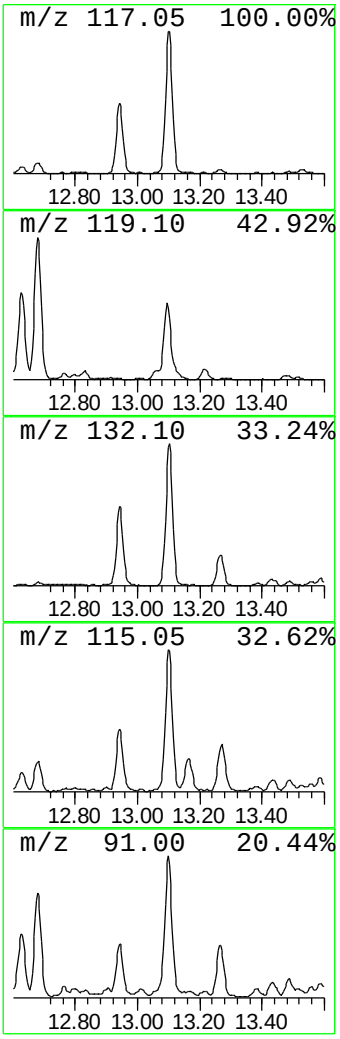
Peak Number 32 Benzene, 2-ethenyl-1,3-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	47.05 ug/L	1541600	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	89
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76





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Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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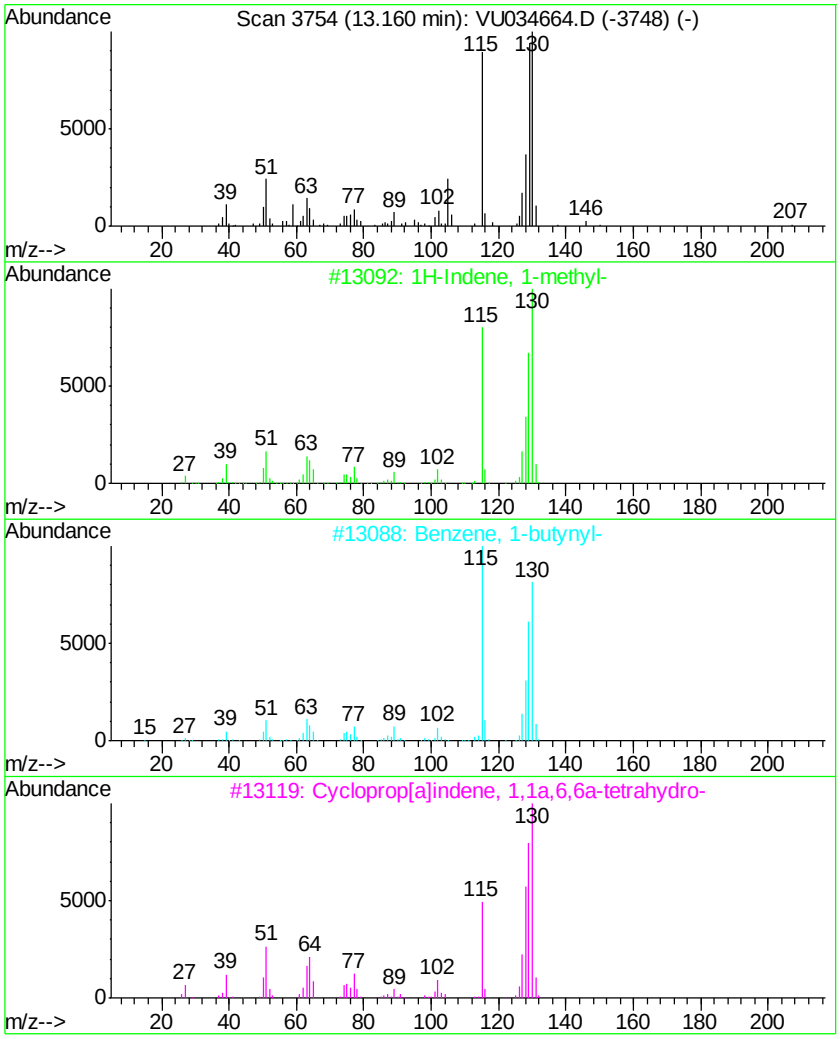
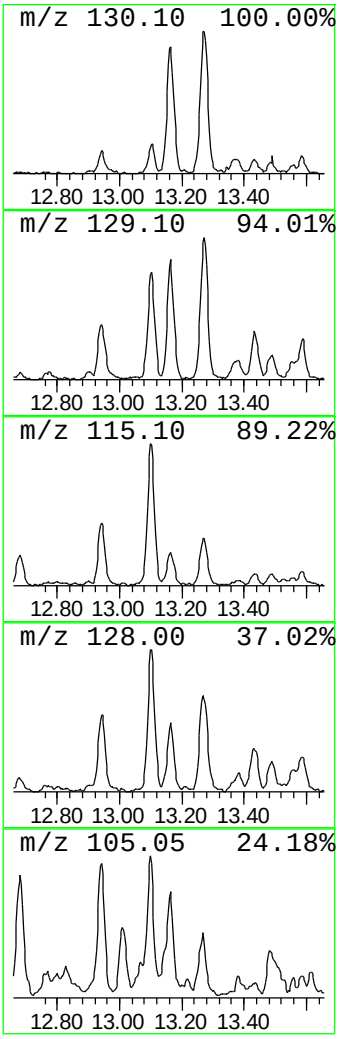
Peak Number 33 1H-Indene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.88 ug/L	159760	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	92
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	81
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	78
4	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	76
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	76





Library Search Compound Report

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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

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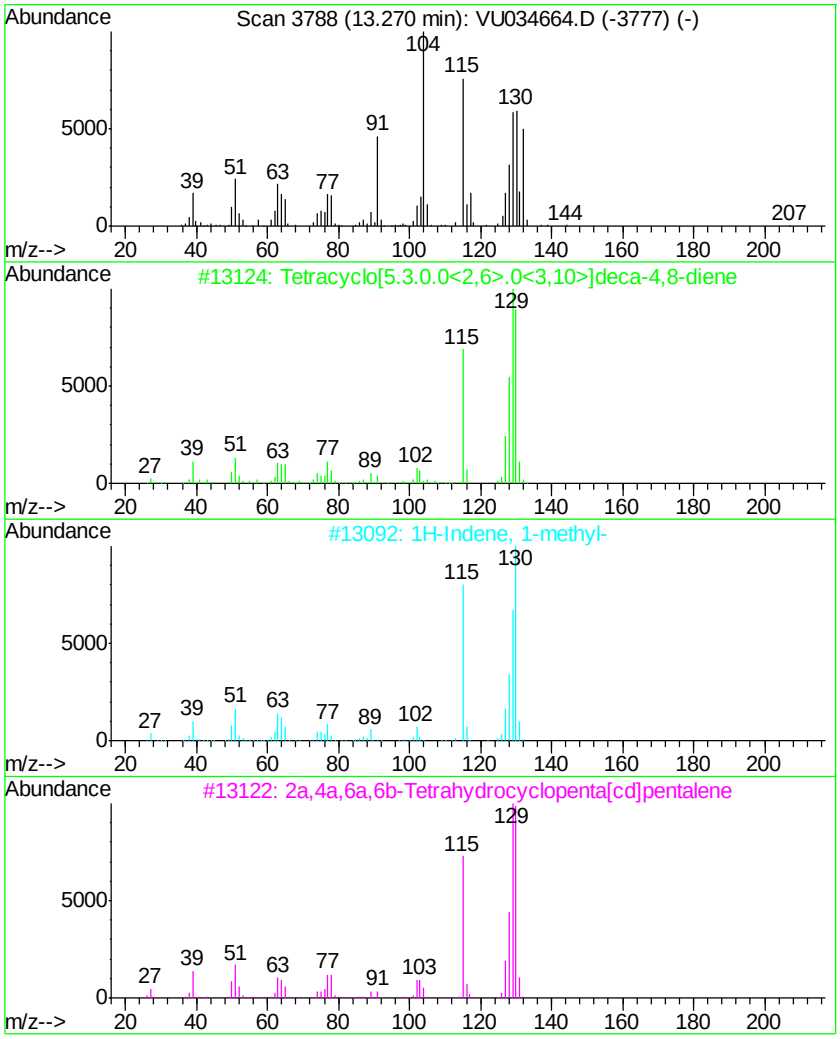
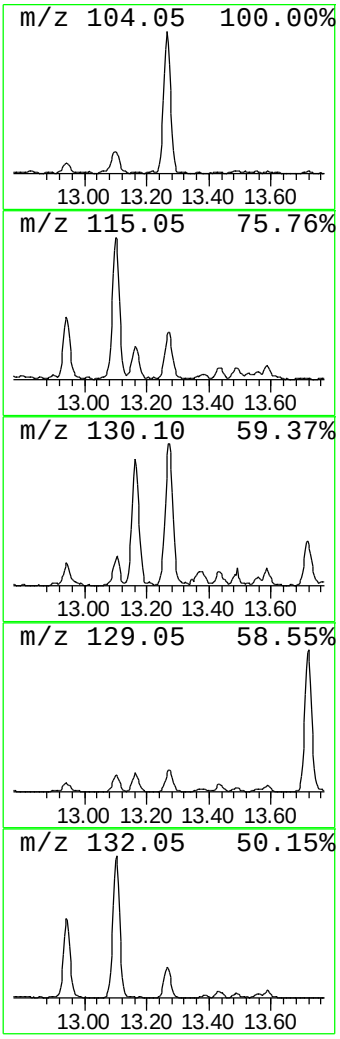
Peak Number 34 Tetracyclo[5.3.0.0<2,6>.0<3... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	12.23 ug/L	400706	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	90
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	90
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	70
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	55





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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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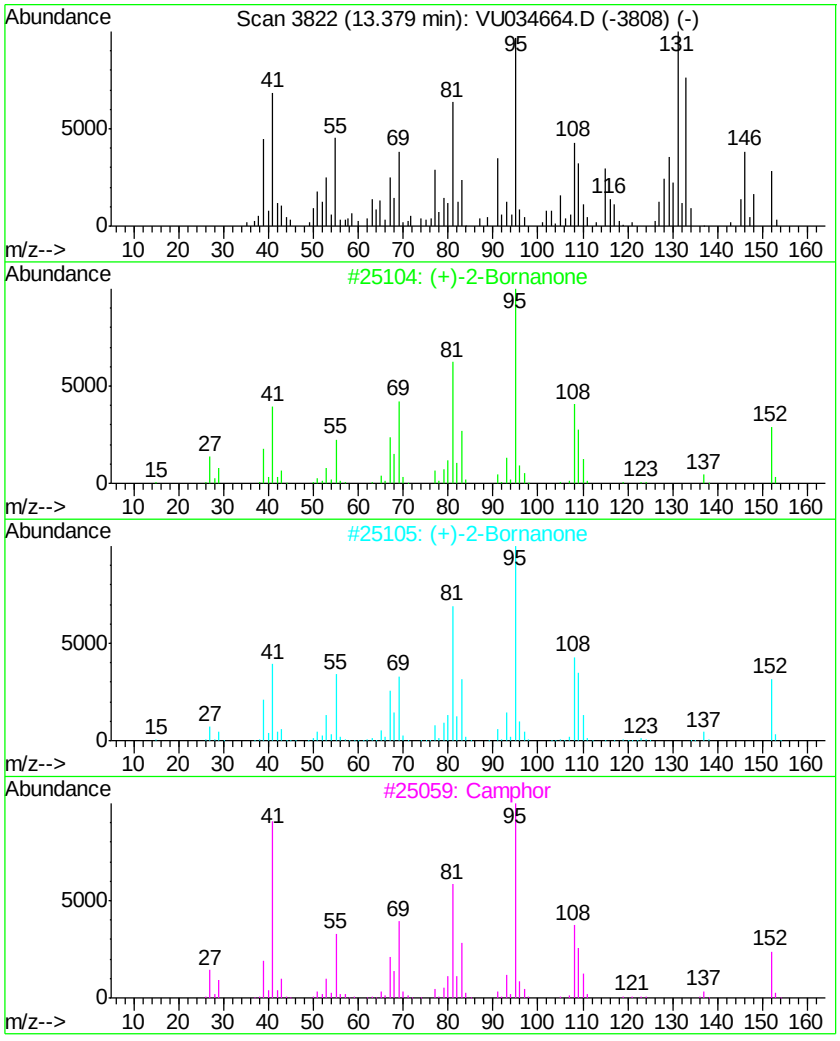
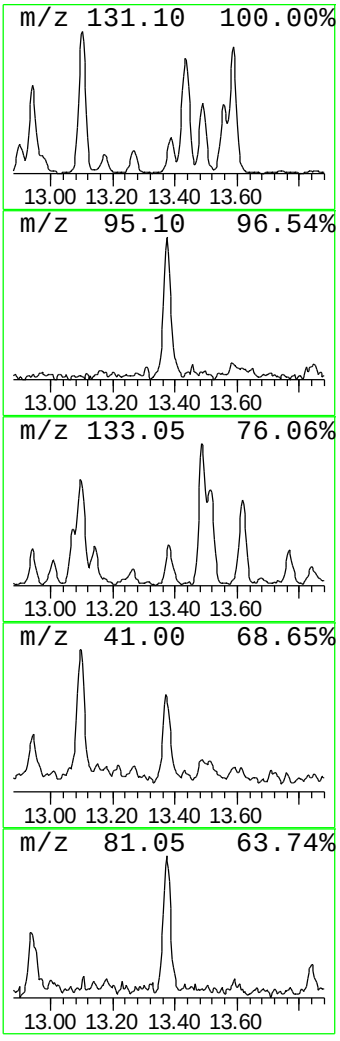
Peak Number 35 (+)-2-Bornanone Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	5.09 ug/L	166644	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	93
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	93
3	Camphor	152	C10H16O	000076-22-2	92
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	78
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	78





Library Search Compound Report

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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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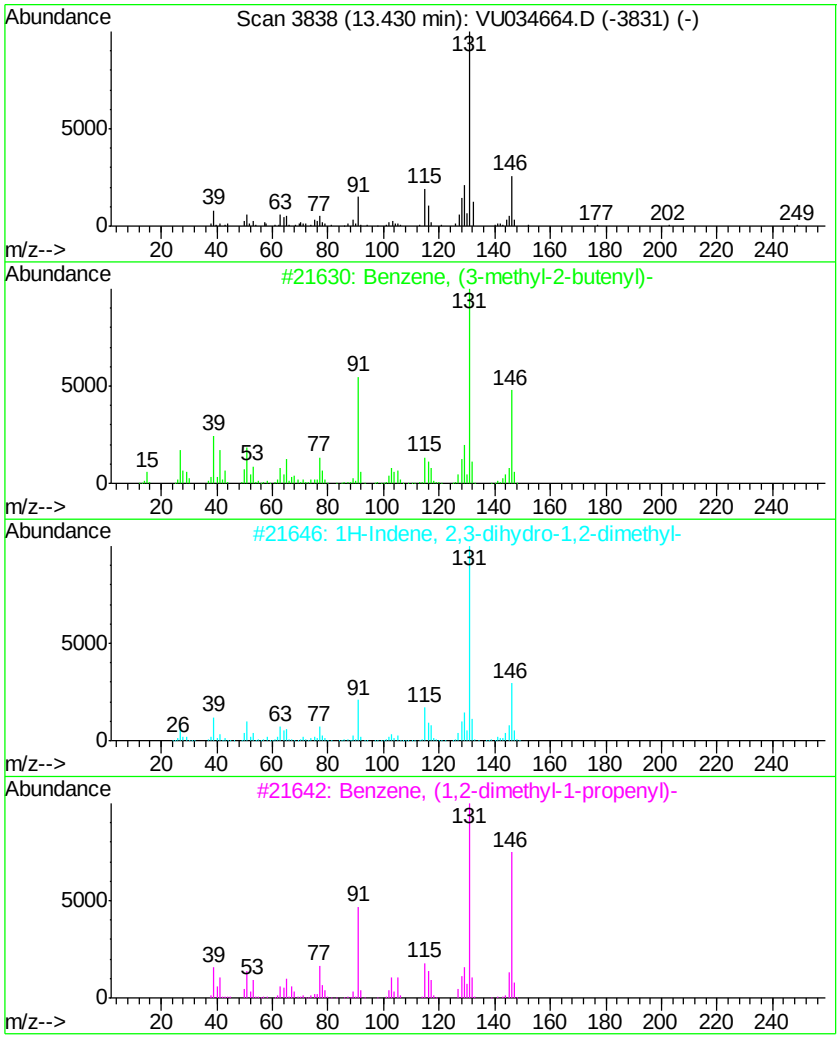
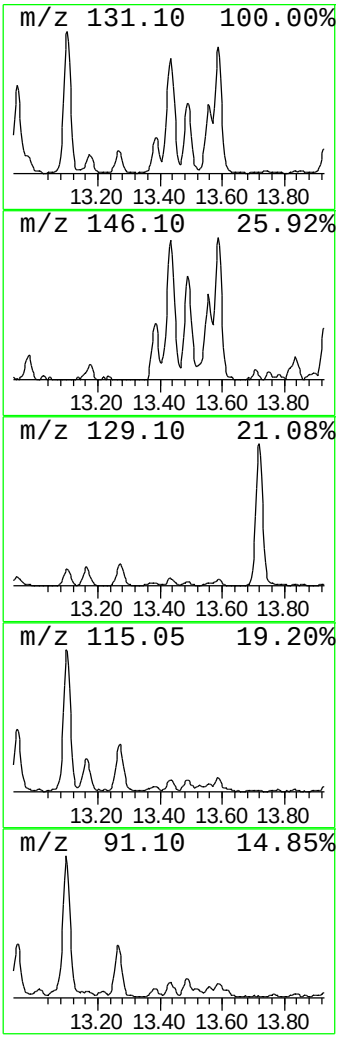
Peak Number 36 Benzene, (3-methyl-2-butenyl)- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.67 ug/L	120122	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	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





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Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

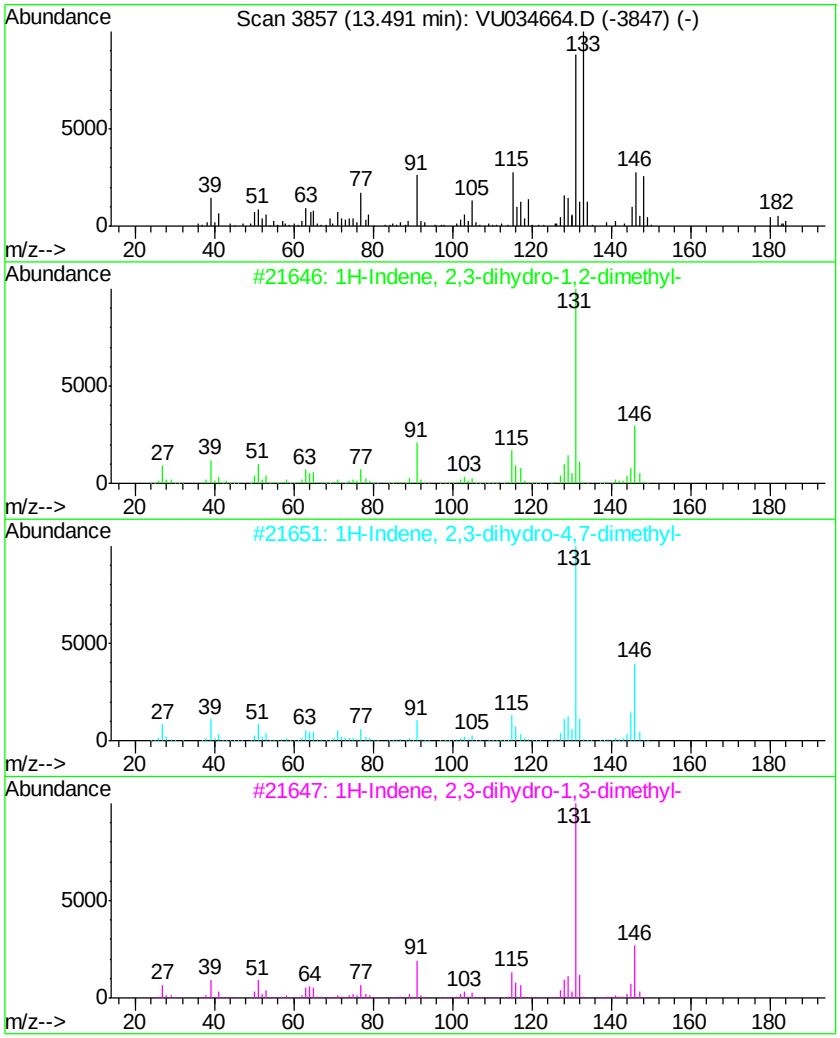
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

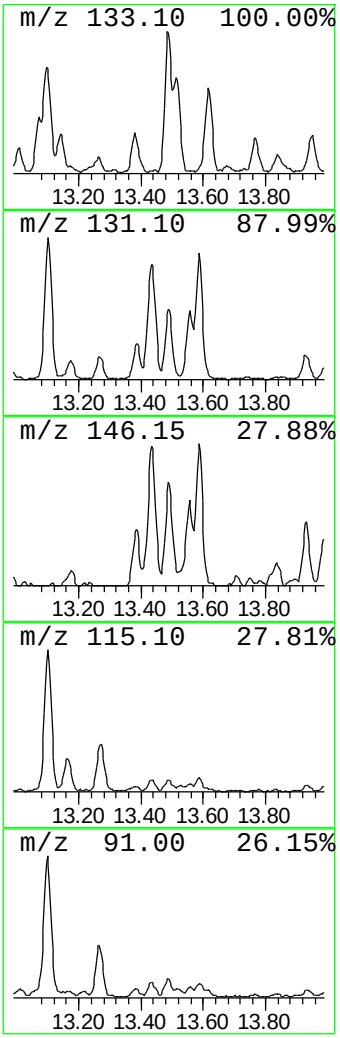
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	6.73 ug/L	220386	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	86
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	50
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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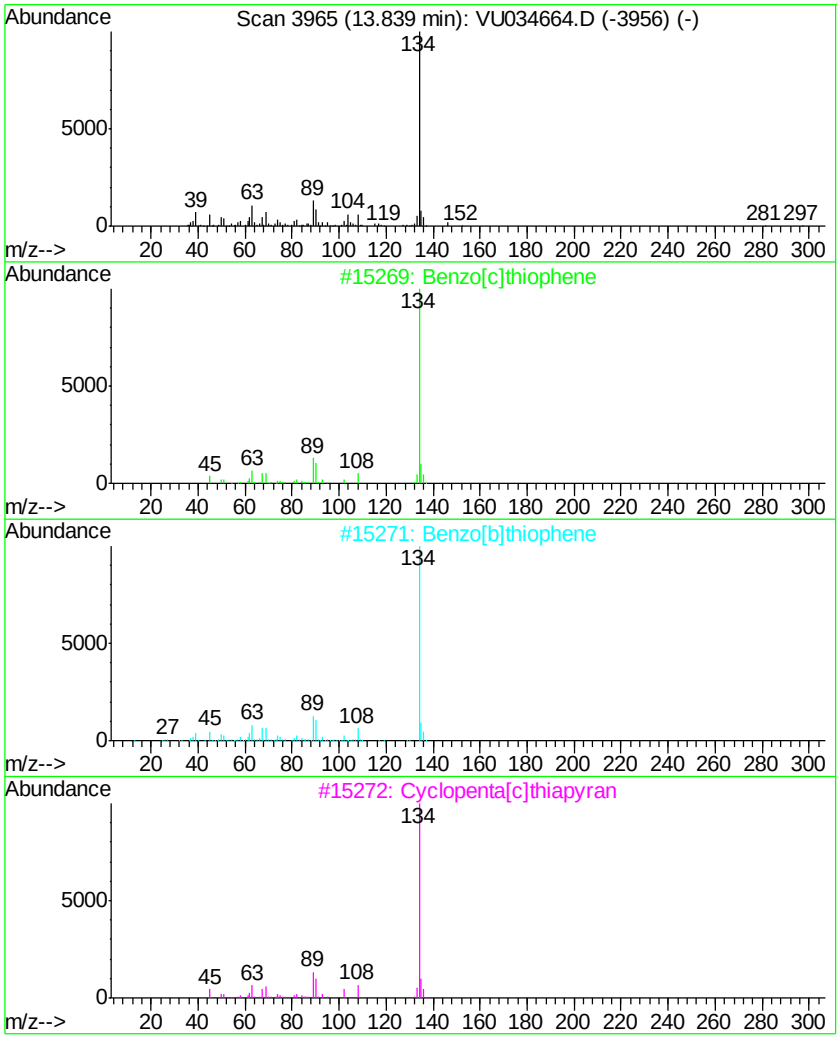
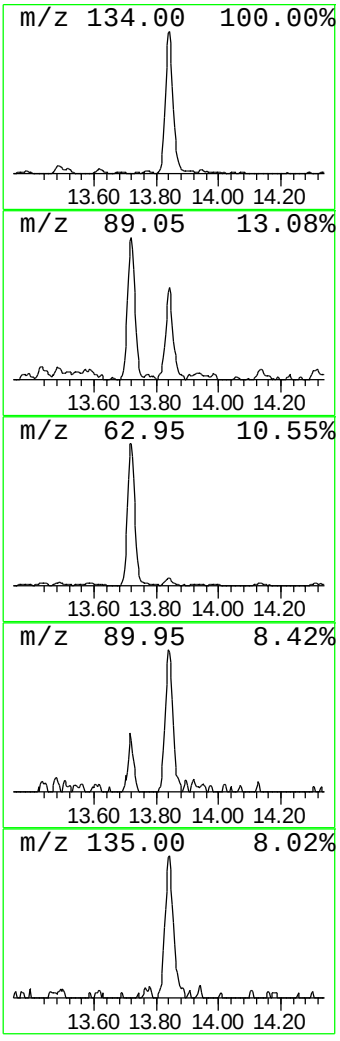
Peak Number 39 Benzo[c]thiophene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	6.54 ug/L	214174	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	94
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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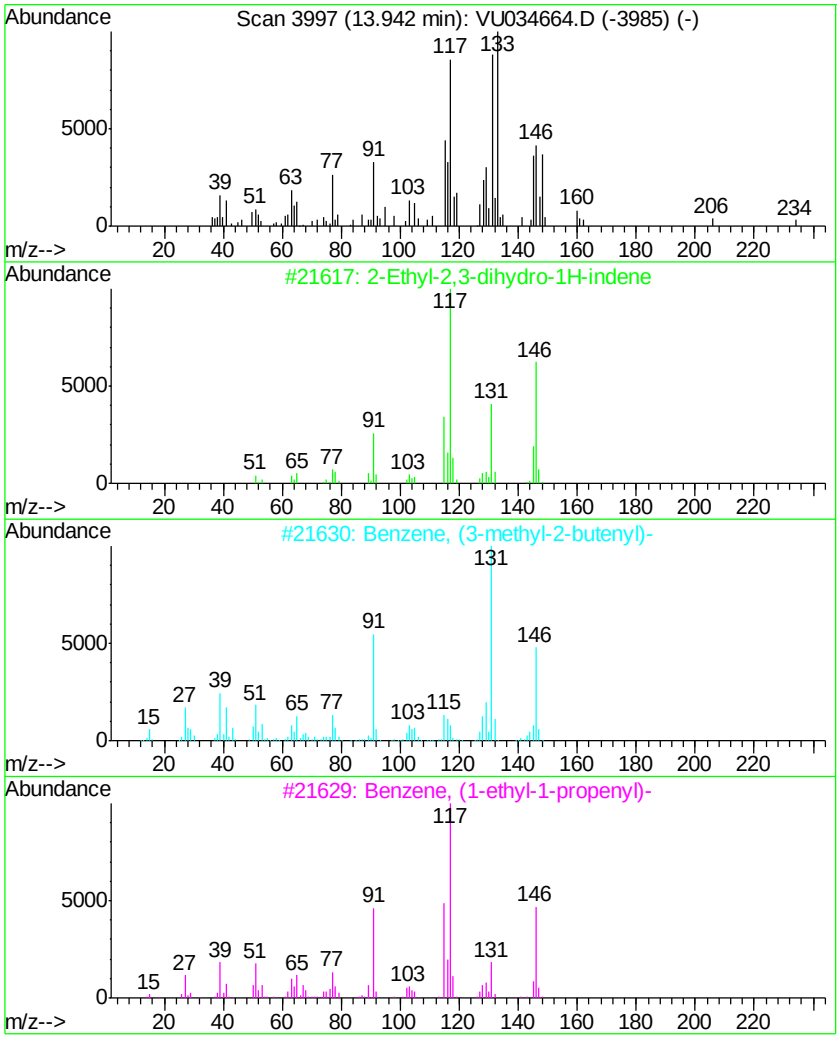
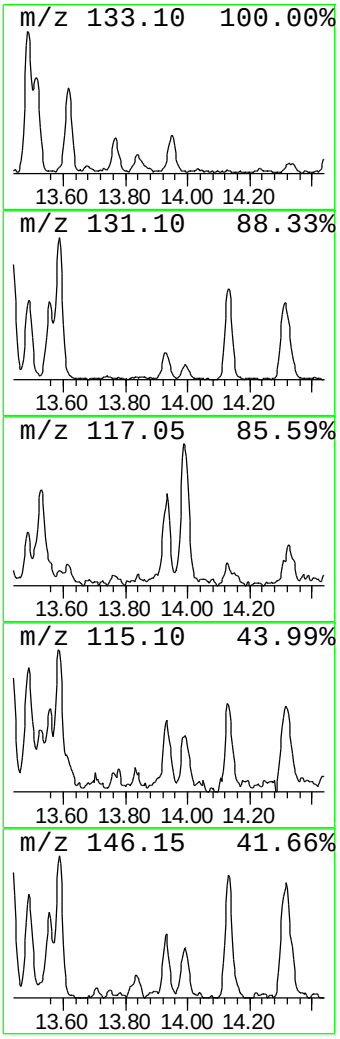
Peak Number 40 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.93 ug/L	95888	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	52
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	49
4	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	49
5	1H-Indene-4-carboxaldehyde, 2,3-...	146	C10H10O	051932-70-8	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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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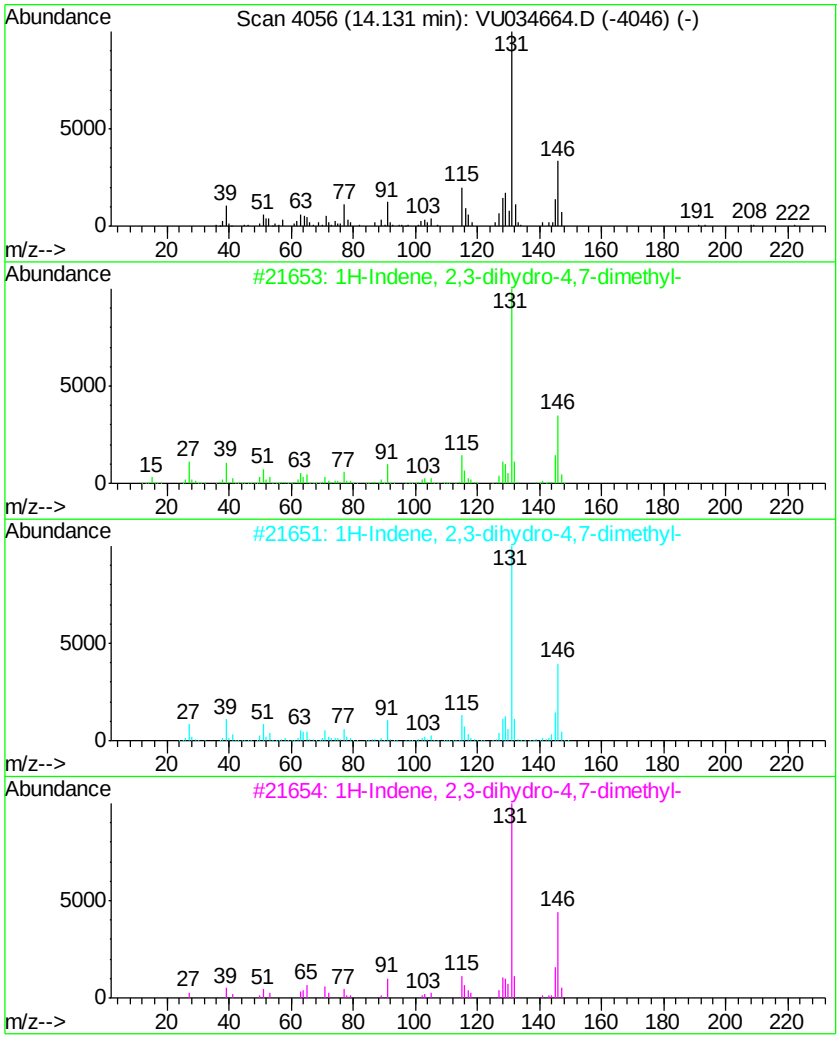
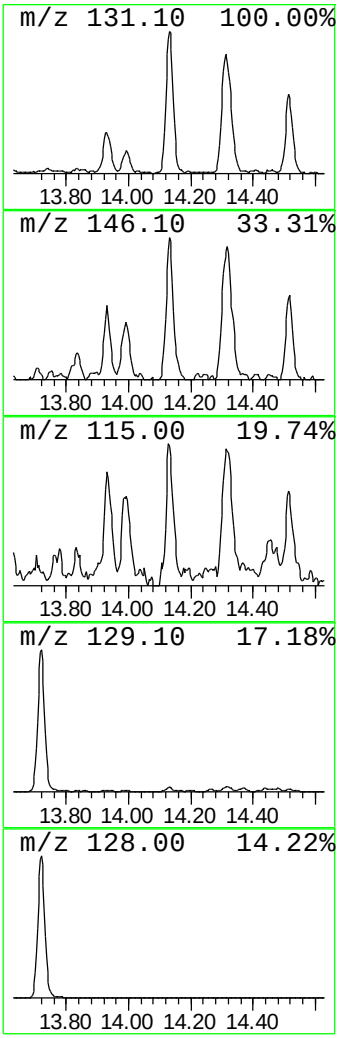
Peak Number 41 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	3.99 ug/L	130817	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	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091919\
Data File : VU034664.D
Acq On : 19 Sep 2019 22:13
Operator : JC/SP
Sample : K4895-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDH1

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	4.07	4.5	ug/L	110071	1	5.86	1214080	50.0
Cyclopentene, 4-m...	4.76	3.9	ug/L	95460	1	5.86	1214080	50.0
Isopropyl acetate	5.53	8.8	ug/L	214510	1	5.86	1214080	50.0
n-Propyl acetate	6.68	162.4	ug/L	3943030	1	5.86	1214080	50.0
Cyclopentene, 1,5...	7.04	3.6	ug/L	87160	1	5.86	1214080	50.0
unknown-01	7.91	3.0	ug/L	107627	2	9.07	1761900	50.0
Propanoic acid, 2...	8.13	18.8	ug/L	662845	2	9.07	1761900	50.0
Propanoic acid, p...	8.40	30.6	ug/L	1077740	2	9.07	1761900	50.0
Butanoic acid, 1-...	8.88	37.9	ug/L	1336050	2	9.07	1761900	50.0
Benzene, propyl-	10.57	20.2	ug/L	662429	3	11.46	1638100	50.0
Benzene, 1-ethyl-...	10.66	123.0	ug/L	4030450	3	11.46	1638100	50.0
Benzene, 1,2,3-tr...	10.75	63.8	ug/L	2090800	3	11.46	1638100	50.0
4-Heptanone, 2,6-...	10.90	7.3	ug/L	240668	3	11.46	1638100	50.0
Indane	11.74	54.6	ug/L	1790510	3	11.46	1638100	50.0
Benzene, 1-methyl...	11.78	10.4	ug/L	340606	3	11.46	1638100	50.0
1-Propyne, 3-phenyl-	11.96	8.8	ug/L	287215	3	11.46	1638100	50.0
o-Cymene	12.12	15.1	ug/L	494580	3	11.46	1638100	50.0
Benzene, 1,2,3,5-...	12.15	12.7	ug/L	416177	3	11.46	1638100	50.0
Benzene, 1-etheny...	12.33	25.0	ug/L	818606	3	11.46	1638100	50.0
Benzene, 1-ethyl-...	12.53	8.5	ug/L	279070	3	11.46	1638100	50.0
Benzene, 1,2,4,5-...	12.63	15.0	ug/L	490103	3	11.46	1638100	50.0
Benzene, 2-etheny...	12.94	17.5	ug/L	573946	3	11.46	1638100	50.0
Benzene, 2-etheny...	13.10	47.0	ug/L	1541600	3	11.46	1638100	50.0
1H-Indene, 1-methyl-	13.16	4.9	ug/L	159760	3	11.46	1638100	50.0
Tetracyclo[5.3.0....	13.27	12.2	ug/L	400706	3	11.46	1638100	50.0
(+)-2-Bornanone	13.38	5.1	ug/L	166644	3	11.46	1638100	50.0
Benzene, (3-methy...	13.43	3.7	ug/L	120122	3	11.46	1638100	50.0
1H-Indene, 2,3-di...	13.49	6.7	ug/L	220386	3	11.46	1638100	50.0
Benzo[c]thiophene	13.84	6.5	ug/L	214174	3	11.46	1638100	50.0
2-Ethyl-2,3-dihyd...	13.94	2.9	ug/L	95888	3	11.46	1638100	50.0
1H-Indene, 2,3-di...	14.13	4.0	ug/L	130817	3	11.46	1638100	50.0