LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.392	86	94	106	rBV	328486	354041	3.13%	0.373%
2	1.466	111	117	125	rVV	33411	38818	0.34%	0.041%
3	1.543	132	141	149	rBV2	43198	57677	0.51%	0.061%
4	1.672	172	181	196	rVB	262014	336517	2.98%	0.355%
5	2.170	331	336	346	rVB2	26559	33630	0.30%	0.035%
6	2.257	353	363	373	rVV	487802	732953	6.48%	0.773%
7	2.305	373	378	391	rVB	52286	81586	0.72%	0.086%
8	2.431	406	417	425	rBV	29665	55811	0.49%	0.059%
9	2.685	481	496	507	rBV	91012	179708	1.59%	0.189%
10	2.775	517	524	539	rVB7	17725	40562	0.36%	0.043%
11	3.174	629	648	662	rBV10	12211	32363	0.29%	0.034%
12	3.540	751	762	775	rVB5	14417	33433	0.30%	0.035%
13	4.071	909	927	940	rBV4	39408	113157	1.00%	0.119%
14	4.151	940	952	985	rBV	246503	706641	6.25%	0.745%
15	4.620	1079	1098	1120	rBV	384811	916489	8.10%	0.966%
16	4.749	1128	1138	1157	rVB2	40851	97937	0.87%	0.103%
17	4.971	1190	1207	1222	rBV4	64936	159773	1.41%	0.168%
18	5.315	1291	1314	1323	rBV2	806188	2380578	21.05%	2.510%
19	5.366	1323	1330	1351	rVB	630416	1311702	11.60%	1.383%
20	5.527	1363	1380	1392	rBV2	92291	212298	1.88%	0.224%
21	5.865	1471	1485	1522	rBV	637597	1329066	11.75%	1.401%
22	6.164	1564	1578	1605	rVB2	220351	509449	4.51%	0.537%
23	6.309	1608	1623	1638	rBV	558846	1113138	9.84%	1.174%
24	6.399	1639	1651	1668	rVB5	96424	244535	2.16%	0.258%
25	6.682	1728	1739	1765	rBV	1918814	3418819	30.23%	3.605%
26	7.045	1839	1852	1863	rBV3	32647	65961	0.58%	0.070%
27	7.206	1891	1902	1926	rVV	321440	599145	5.30%	0.632%
28	7.402	1949	1963	1968	rBV	253143	441460	3.90%	0.465%
29	7.437	1968	1974	1989	rVB	354621	616457	5.45%	0.650%
30	7.543	1995	2007	2017	rBV	1111843	1932890	17.09%	2.038%
31	7.614	2017	2029	2061	rVB	6597899	11307764	100.00%	11.922%
32	7.826	2085	2095	2105	rBV2	282615	488234	4.32%	0.515%
33	7.887	2105	2114	2146	rVB	340301	740721	6.55%	0.781%
34	8.135	2180	2191	2204	rBV	323849	530425	4.69%	0.559%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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	8.209	2204	2214	2221	rBV4	122150	217733	1.93%	0.230%
36	8.289	2229	2239	2261	rBV	975173	1652643	14.62%	1.742%
37	8.395	2262	2272	2300	rVV	628530	1101299	9.74%	1.161%
38	8.511	2301	2308	2324	rVB4	34542	68448	0.61%	0.072%
39	8.884	2409	2424	2452	rVV	676732	1099048	9.72%	1.159%
40	9.067	2462	2481	2490	rBV	961017	1609734	14.24%	1.697%
41	9.228	2519	2531	2552	rBV	1526124	2434822	21.53%	2.567%
42	9.350	2556	2569	2584	rBV	5423462	8829880	78.09%	9.310%
43	9.476	2600	2608	2618	rVB3	68080	100689	0.89%	0.106%
44	9.585	2635	2642	2653	rBV3	36379	66591	0.59%	0.070%
45	9.672	2662	2669	2676	rBV8	24015	39296	0.35%	0.041%
46	9.755	2683	2695	2725	rVB	3528941	5662266	50.07%	5.970%
47	9.906	2733	2742	2755	rBV2	34035	89307	0.79%	0.094%
48	10.144	2807	2816	2827	rVB	157186	253841	2.24%	0.268%
49	10.299	2856	2864	2873	rBV10	19939	34841	0.31%	0.037%
50	10.408	2886	2898	2913	rBV	750412	1219707	10.79%	1.286%
51	10.566	2934	2947	2958	rBV	327957	552485	4.89%	0.583%
52	10.656	2959	2975	2994	rVV	1517867	3283658	29.04%	3.462%
53	10.749	2994	3004	3020	rVB	1093022	1680818	14.86%	1.772%
54	10.894	3040	3049	3056	rBV	126606	201329	1.78%	0.212%
55	10.948	3056	3066	3088	rVB	845815	1370553	12.12%	1.445%
56	11.054	3091	3099	3108	rBV8	21993	42615	0.38%	0.045%
57	11.125	3109	3121	3135	rBV	3706670	5540116	48.99%	5.841%
58	11.196	3136	3143	3147	rBV3	24288	30940	0.27%	0.033%
59	11.238	3148	3156	3169	rVV2	97468	201837	1.78%	0.213%
60	11.324	3171	3183	3197	rVV4	126511	366737	3.24%	0.387%
61	11.405	3200	3208	3215	rVV	139213	249122	2.20%	0.263%
62	11.459	3215	3225	3241	rVB	1039140	1706073	15.09%	1.799%
63	11.546	3241	3252	3265	rBV	1593619	2415188	21.36%	2.546%
64	11.739	3299	3312	3322	rBV3	1125272	2204163	19.49%	2.324%
65	11.839	3333	3343	3367	rVB5	1444235	3231145	28.57%	3.407%
66	11.955	3371	3379	3393	rVV	190174	324823	2.87%	0.342%
67	12.032	3395	3403	3415	rVB	127754	201727	1.78%	0.213%
68	12.122	3422	3431	3436	rBV	260994	392473	3.47%	0.414%
69	12.151	3437	3440	3453	rVB	244310	310897	2.75%	0.328%
70	12.228	3455	3464	3471	rBV	389870	581777	5.14%	0.613%
71	12.331	3486	3496	3518	rBV2	347445	691114	6.11%	0.729%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	12.530	3548	3558	3567	rBV3	158052	254249	2.25%	0.268%
73	12.591	3569	3577	3582	rVV	145631	220606	1.95%	0.233%
74	12.627	3582	3588	3596	rVV	283630	415240	3.67%	0.438%
75	12.678	3596	3604	3622	rVB	471667	730874	6.46%	0.771%
76	12.765	3624	3631	3636	rBV6	33139	48912	0.43%	0.052%
77	12.942	3677	3686	3701	rVB	398166	608425	5.38%	0.641%
78	13.099	3717	3735	3747	rBV3	892738	1502202	13.28%	1.584%
79	13.164	3748	3755	3765	rVB4	121368	210712	1.86%	0.222%
80	13.266	3778	3787	3802	rVB2	256767	429682	3.80%	0.453%
81	13.376	3811	3821	3831	rBV4	177674	322662	2.85%	0.340%
82	13.434	3831	3839	3847	rBV2	103942	150391	1.33%	0.159%
83	13.488	3848	3856	3864	rBV4	132256	217004	1.92%	0.229%
84	13.556	3871	3877	3880	rBV	35827	49135	0.43%	0.052%
85	13.588	3881	3887	3907	rVB2	135766	281667	2.49%	0.297%
86	13.720	3913	3928	3955	rBV	2702164	4342596	38.40%	4.579%
87	13.839	3956	3965	3980	rVB	178427	295356	2.61%	0.311%
88	13.932	3987	3994	4004	rVV6	38825	72032	0.64%	0.076%
89	13.990	4006	4012	4023	rVB4	42261	69814	0.62%	0.074%
90	14.131	4048	4056	4071	rVB	98253	163833	1.45%	0.173%
91	14.315	4103	4113	4125	rBV4	86236	194477	1.72%	0.205%
92	14.456	4150	4157	4167	rVV4	33317	55315	0.49%	0.058%
93	14.517	4167	4176	4190	rVB5	97005	168521	1.49%	0.178%
94	14.659	4213	4220	4230	rVB5	37070	59867	0.53%	0.063%
95	14.800	4253	4264	4270	rBV	47131	75659	0.67%	0.080%
96	14.855	4270	4281	4309	rVV	886576	1530341	13.53%	1.613%
97	14.974	4310	4318	4326	rVV2	19628	37955	0.34%	0.040%
98	15.038	4328	4338	4356	rVB	558728	958876	8.48%	1.011%
99	15.900	4597	4606	4615	rBV7	18748	39729	0.35%	0.042%
100	16.041	4641	4650	4658	rBV3	37765	67387	0.60%	0.071%

Sum of corrected areas: 94846992

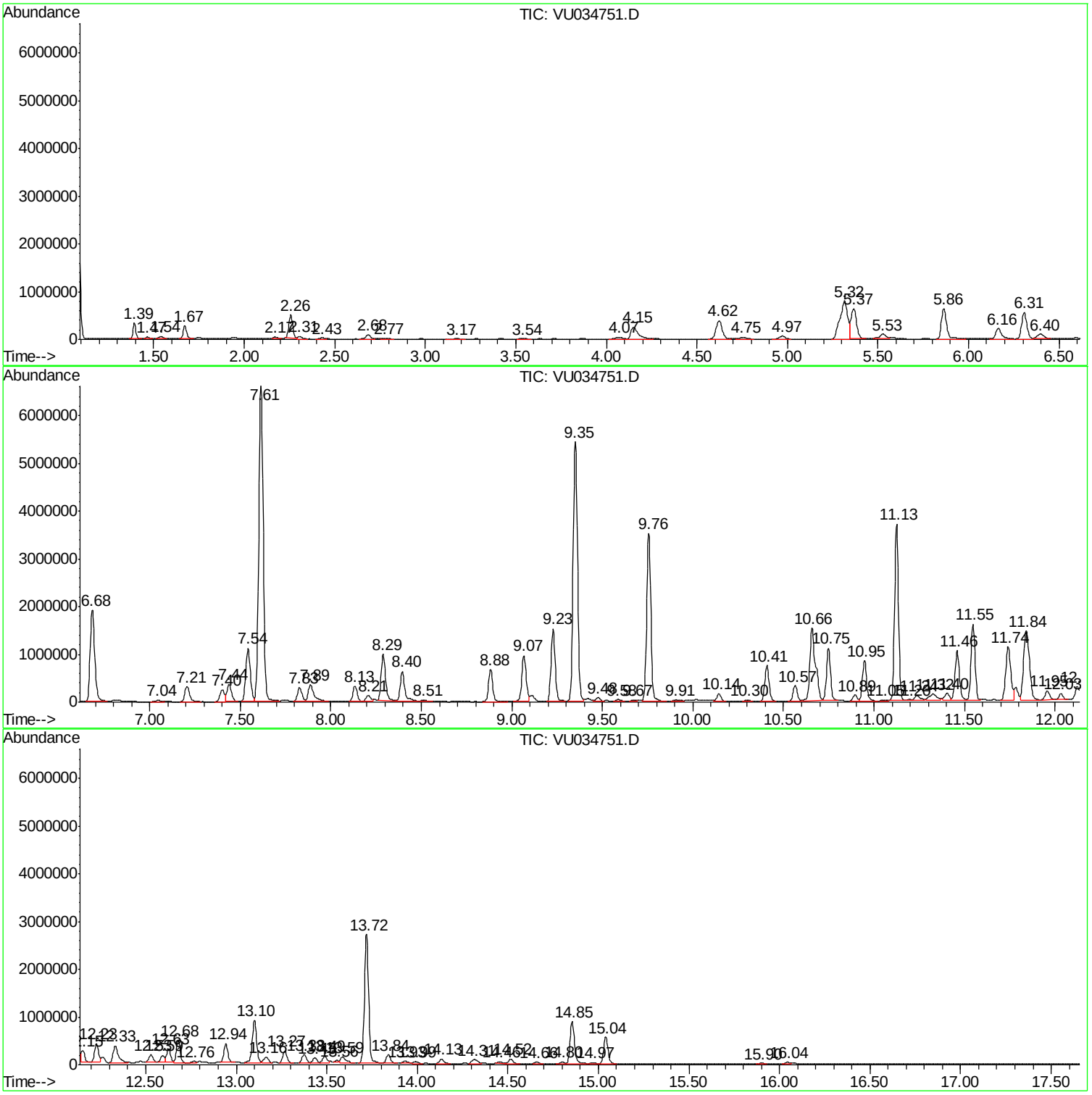
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

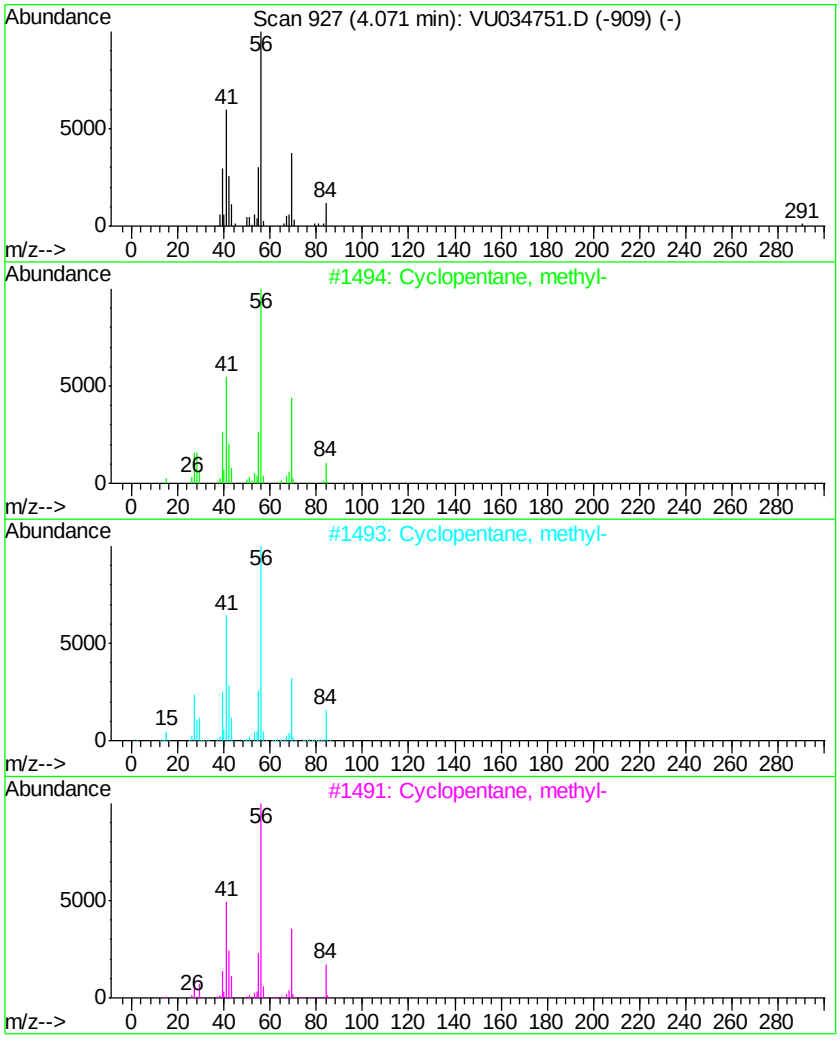
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

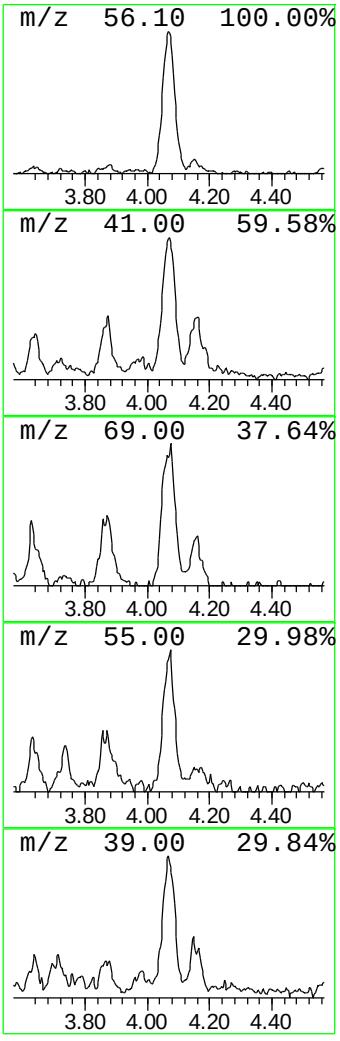
****

Peak Number 1 (DEL) Alkane: Cyclic4.07 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	4.26 ug/L	113157	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	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
4	Cyclohexane	84	C6H12	000110-82-7	83
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

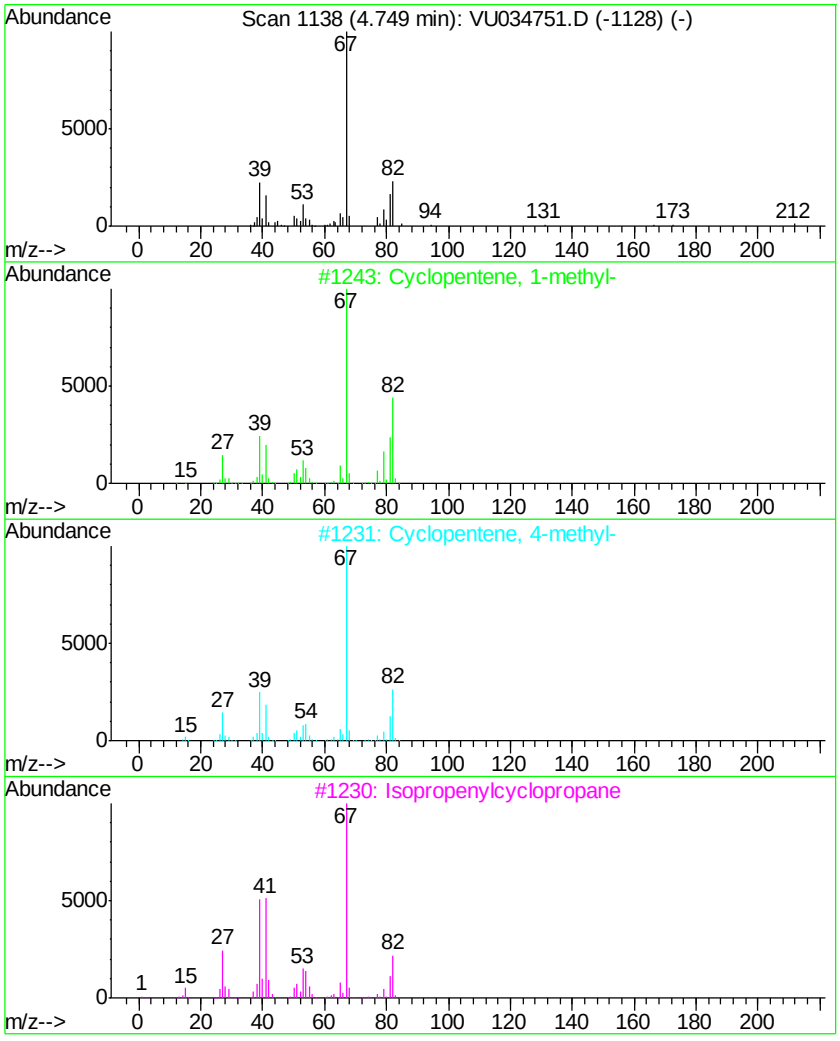
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

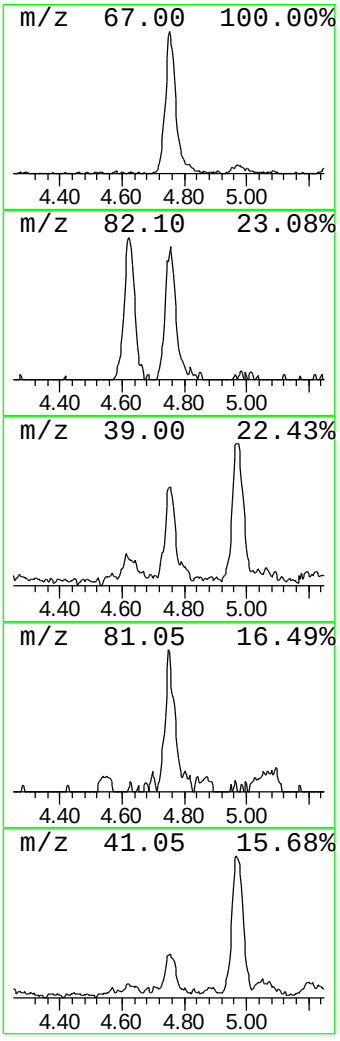
****

Peak Number 2 Cyclopentene, 1-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	3.68 ug/L	97937	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86
2	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	86
3	Isopropenylcyclopropane	82	C6H10	004663-22-3	86
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

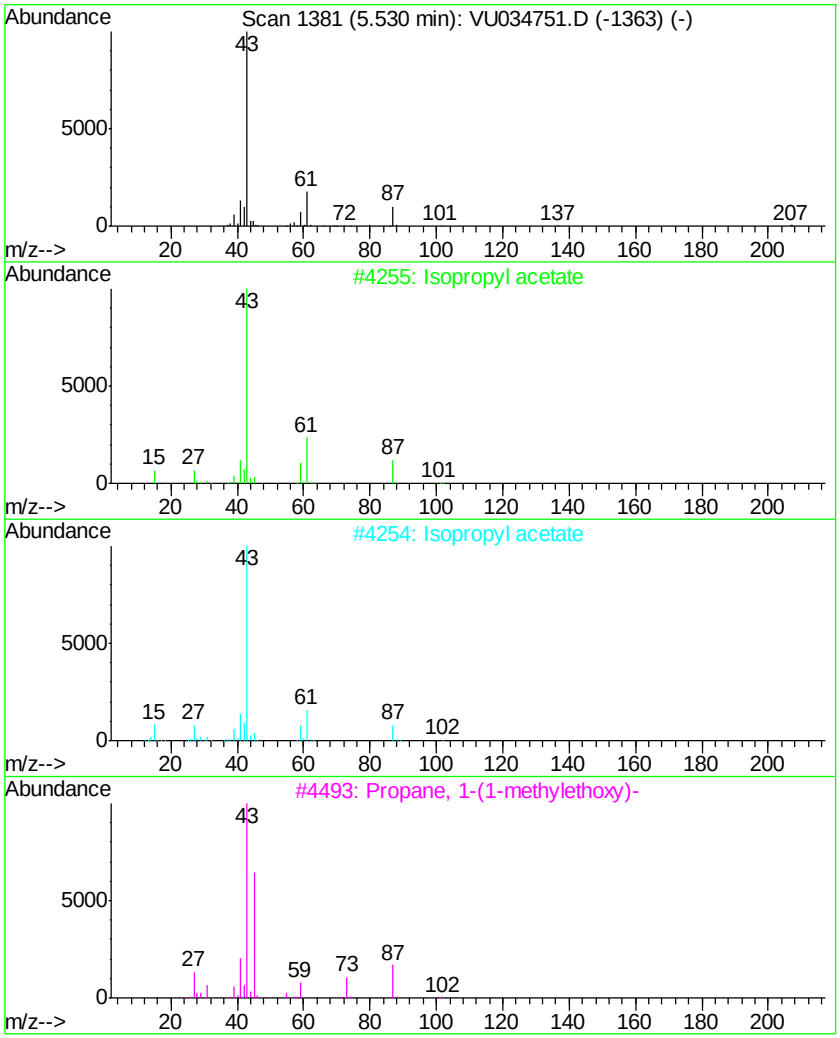
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

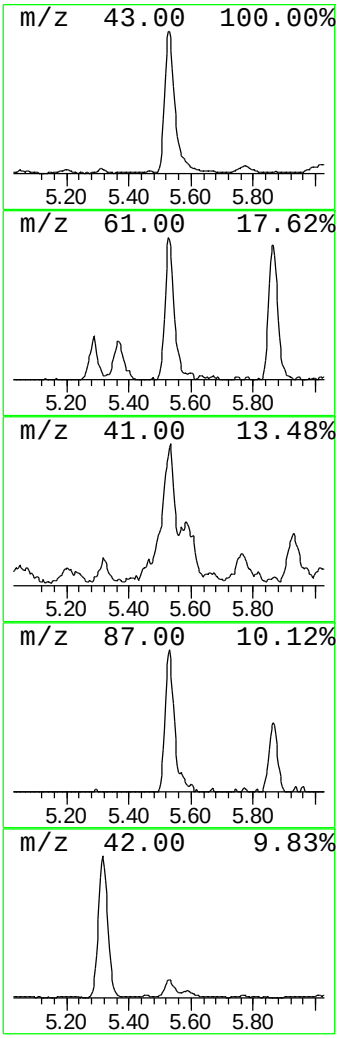
****

Peak Number 3 Isopropyl acetate Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	7.99 ug/L	212298	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	Propane, 1-(1-methylethoxy)-	102	C6H14O	000627-08-7	42
4	Isopropyl acetate	102	C5H10O2	000108-21-4	40
5	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

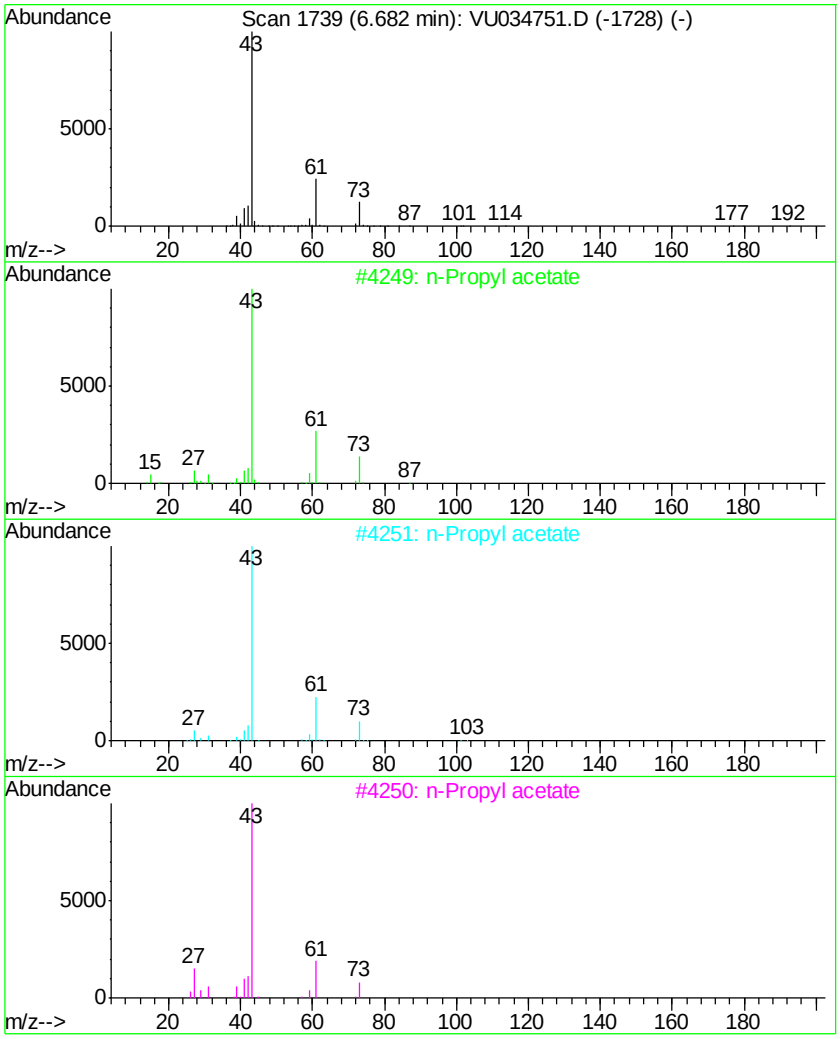
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

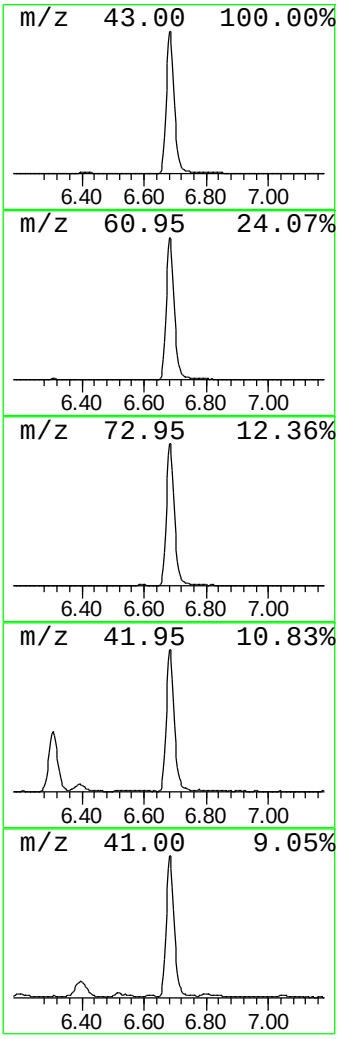
****

Peak Number 4 n-Propyl acetate Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	128.62 ug/L	3418820	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	45
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\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

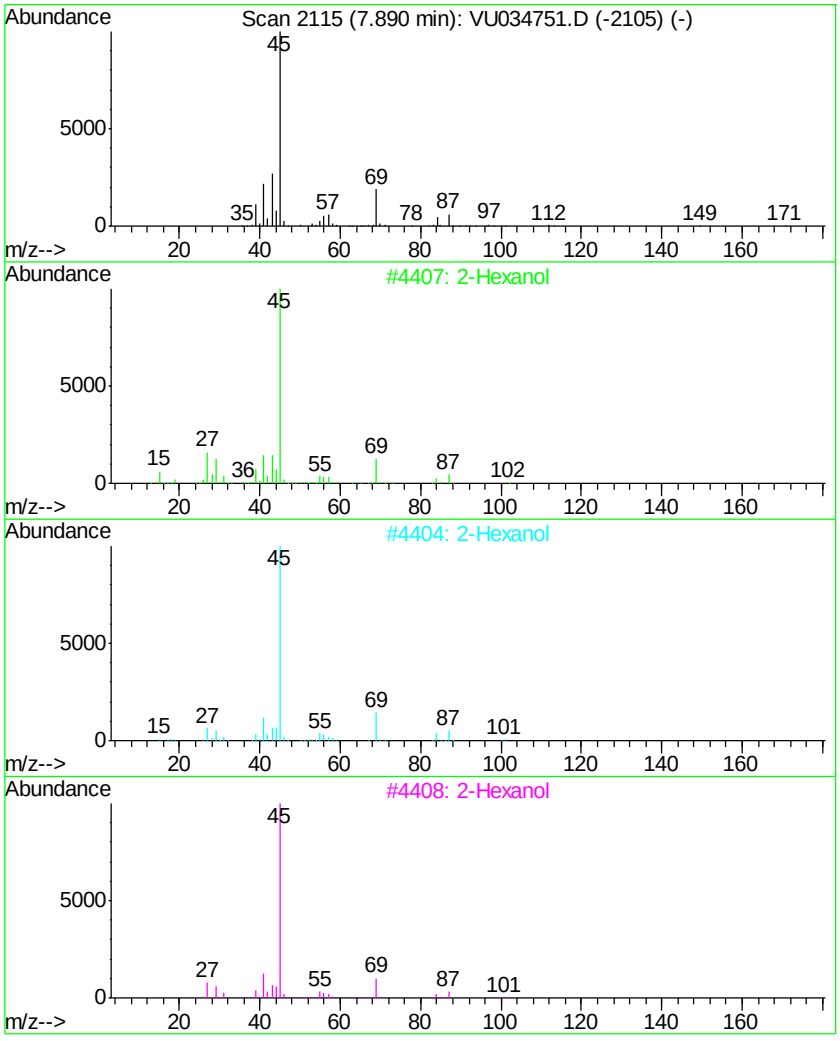
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

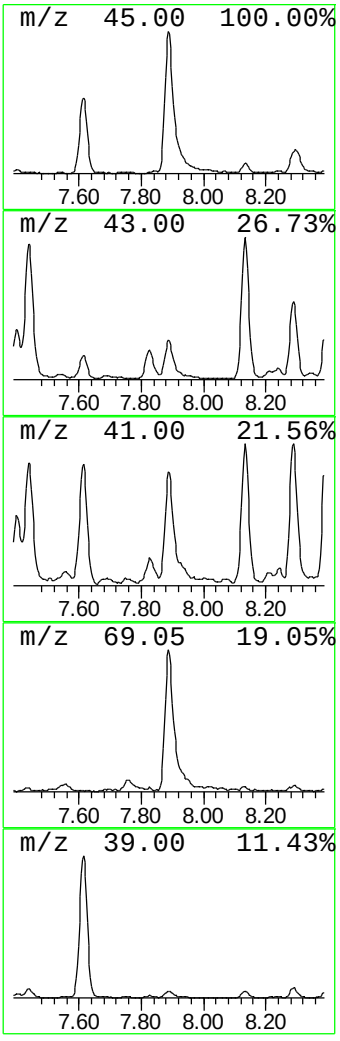
****

Peak Number 6 2-Hexanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	23.01 ug/L	740721	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol	102	C6H14O	000626-93-7	83
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	78
5	2-Octanol	130	C8H18O	000123-96-6	64





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

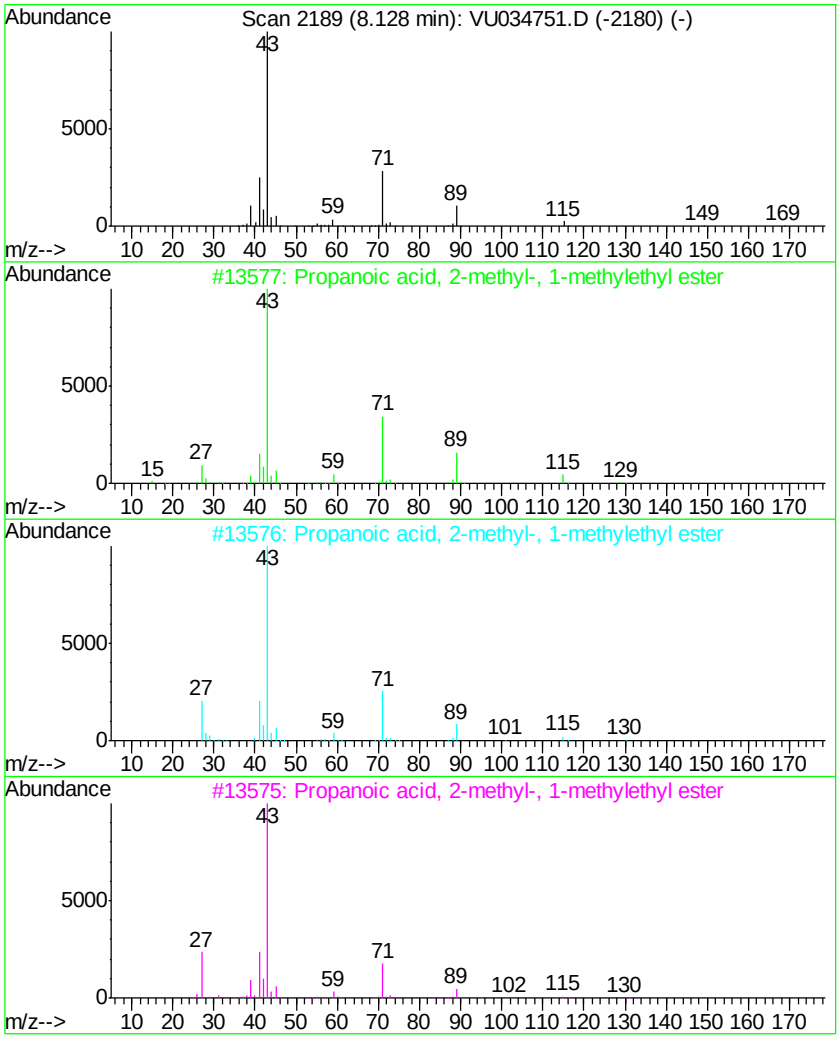
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

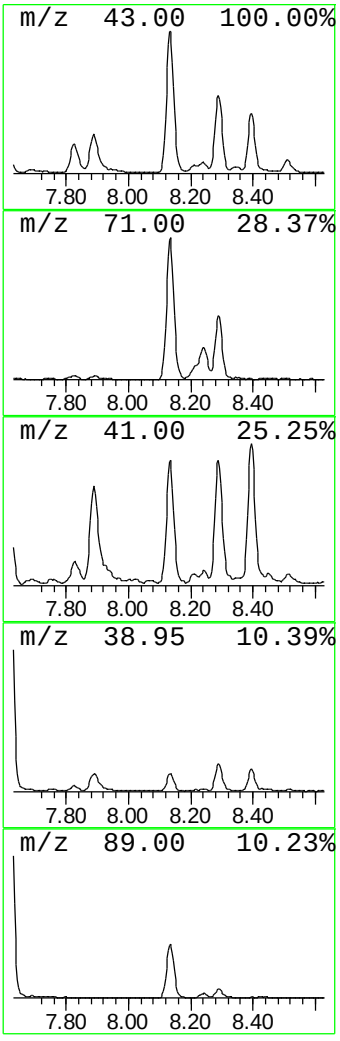
****

Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	16.48 ug/L	530425	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	72
4	Oxalic acid, pentyl propyl ester	202	C10H18O4	1000309-25-7	40
5	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	33





Library Search Compound Report

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Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

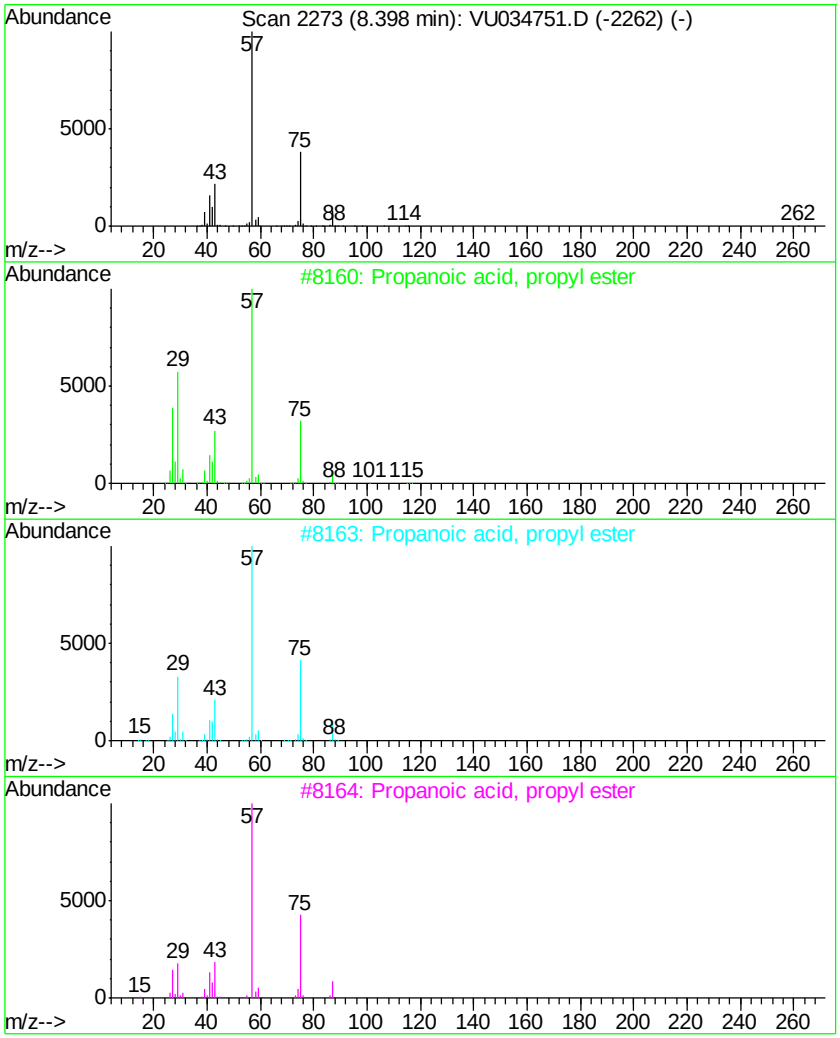
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

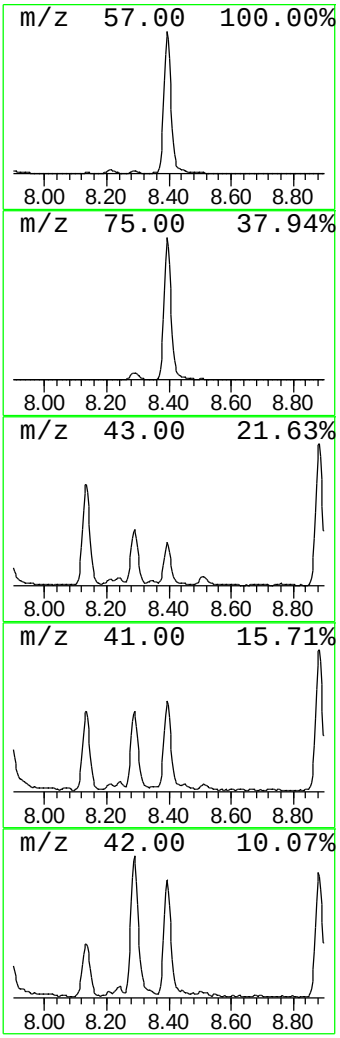
****

Peak Number 8 Propanoic acid, propyl ester Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	34.21 ug/L	1101300	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	74
5	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	9





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Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

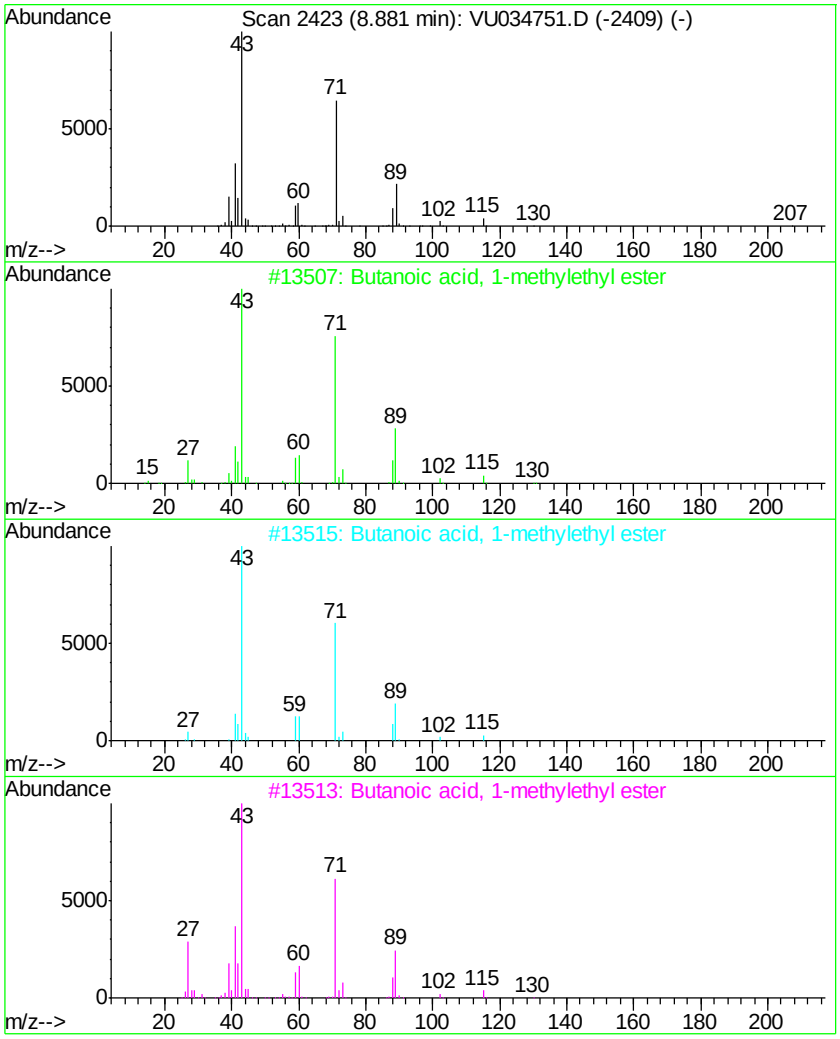
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

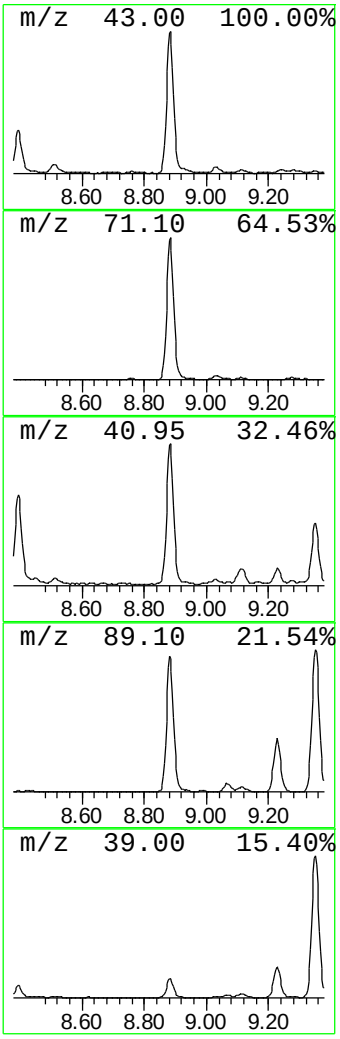
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Butanoic acid, 1-methylethy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.14 ug/L	1099050	Chlorobenzene-d5	9.07

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





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Data File : VU034751.D
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Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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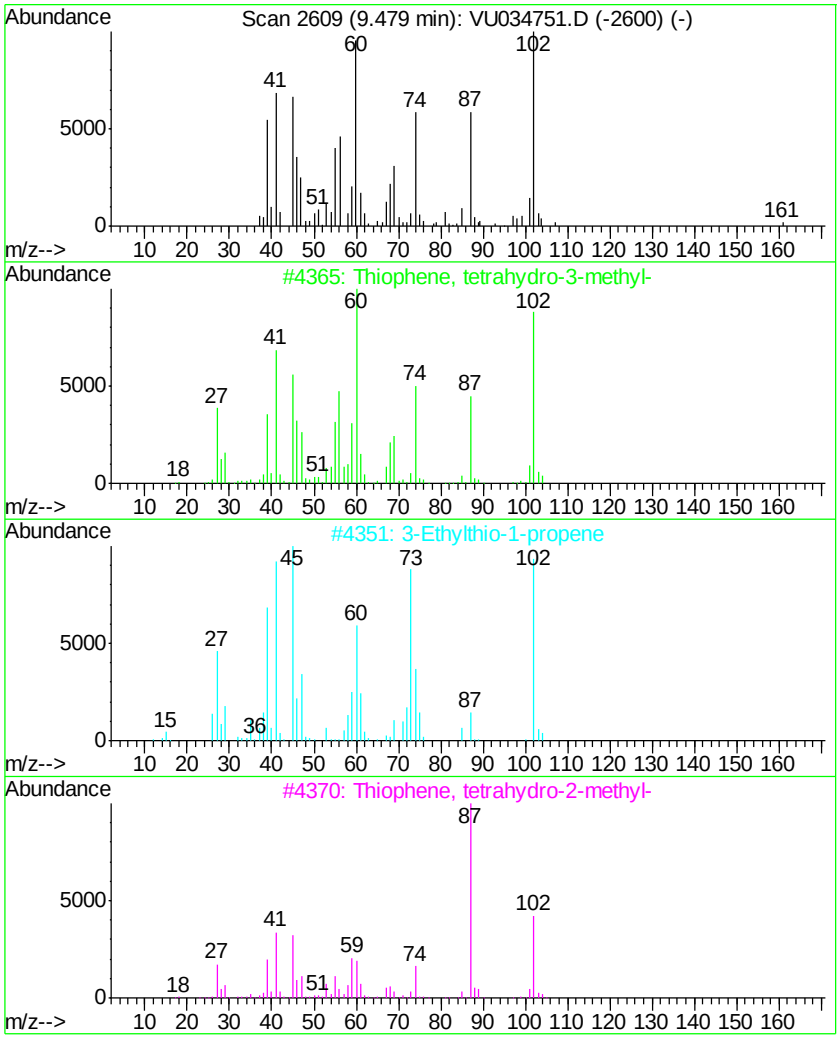
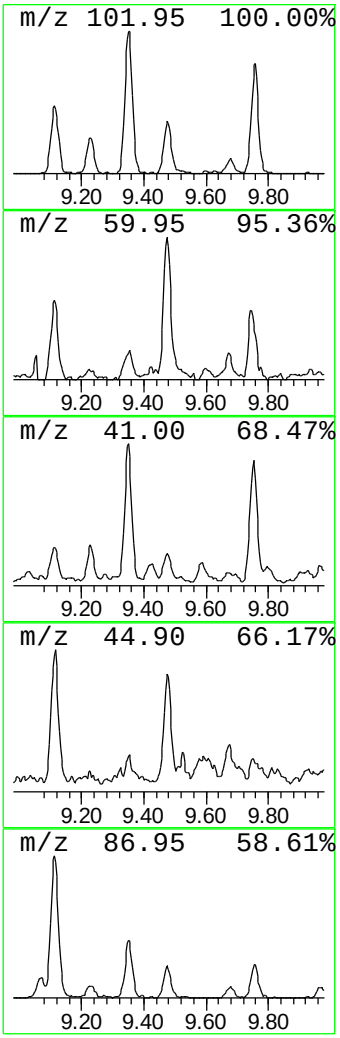
Peak Number 10 Thiophene, tetrahydro-3-met... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	3.13 ug/L	100689	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	94
2	3-Ethylthio-1-propene	102	C5H10S	005296-62-8	47
3	Thiophene, tetrahydro-2-methyl-	102	C5H10S	001795-09-1	43
4	1-Butene, 1-(methylthio)-, (E)-	102	C5H10S	017414-27-6	38
5	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	37





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Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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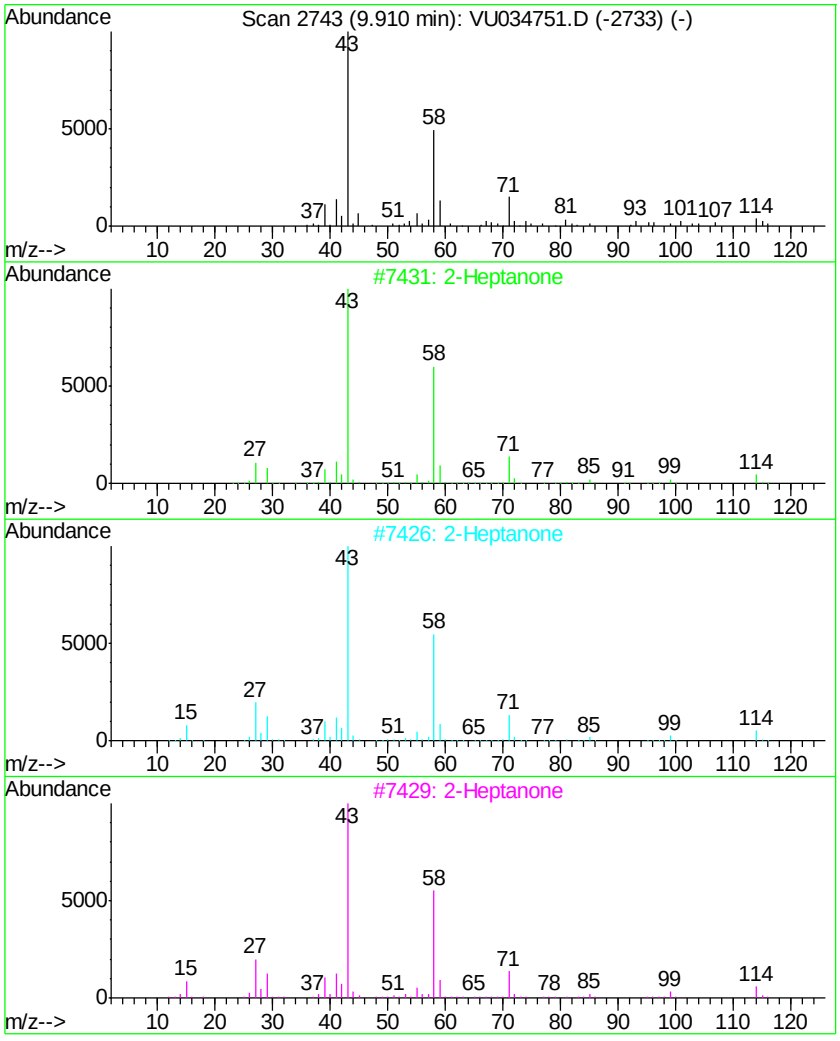
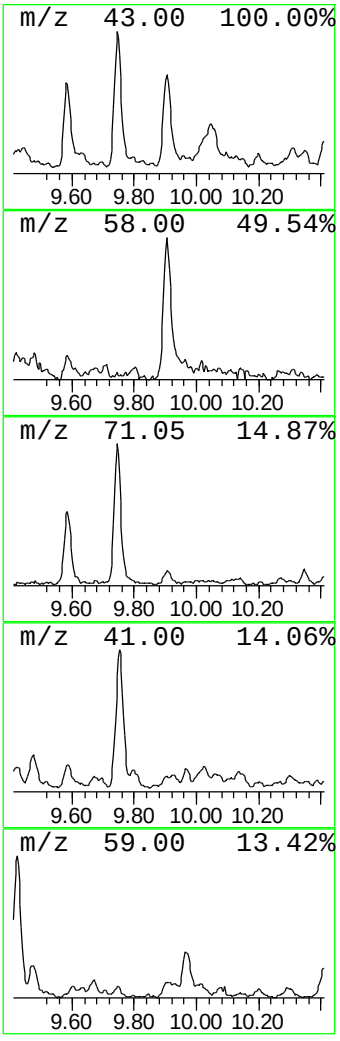
Peak Number 11 2-Heptanone Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	2.77 ug/L	89307	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	87
2	2-Heptanone	114	C7H14O	000110-43-0	87
3	2-Heptanone	114	C7H14O	000110-43-0	86
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	80
5	2-Heptanone	114	C7H14O	000110-43-0	72





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Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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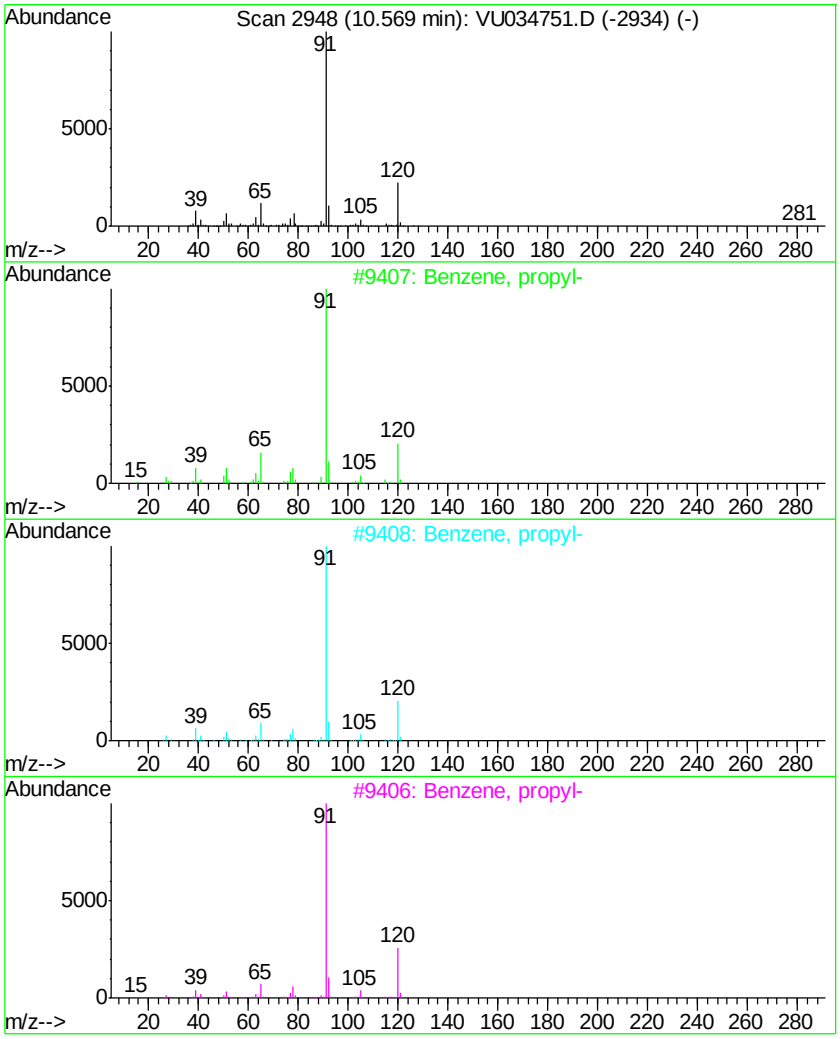
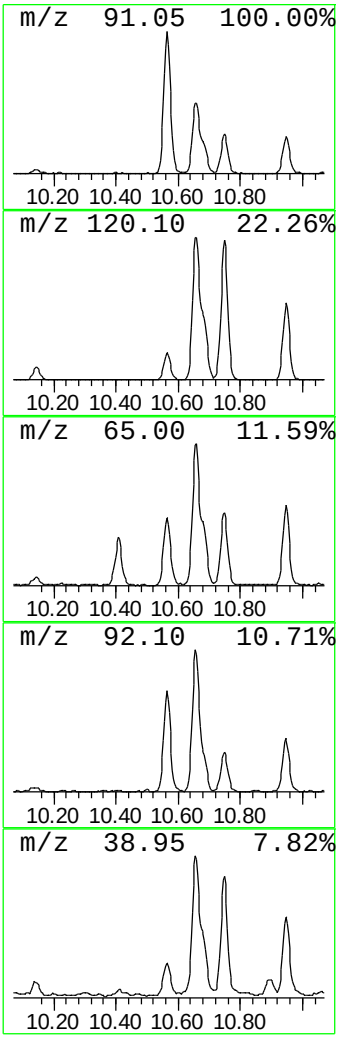
Peak Number 12 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	16.19 ug/L	552485	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	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78





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Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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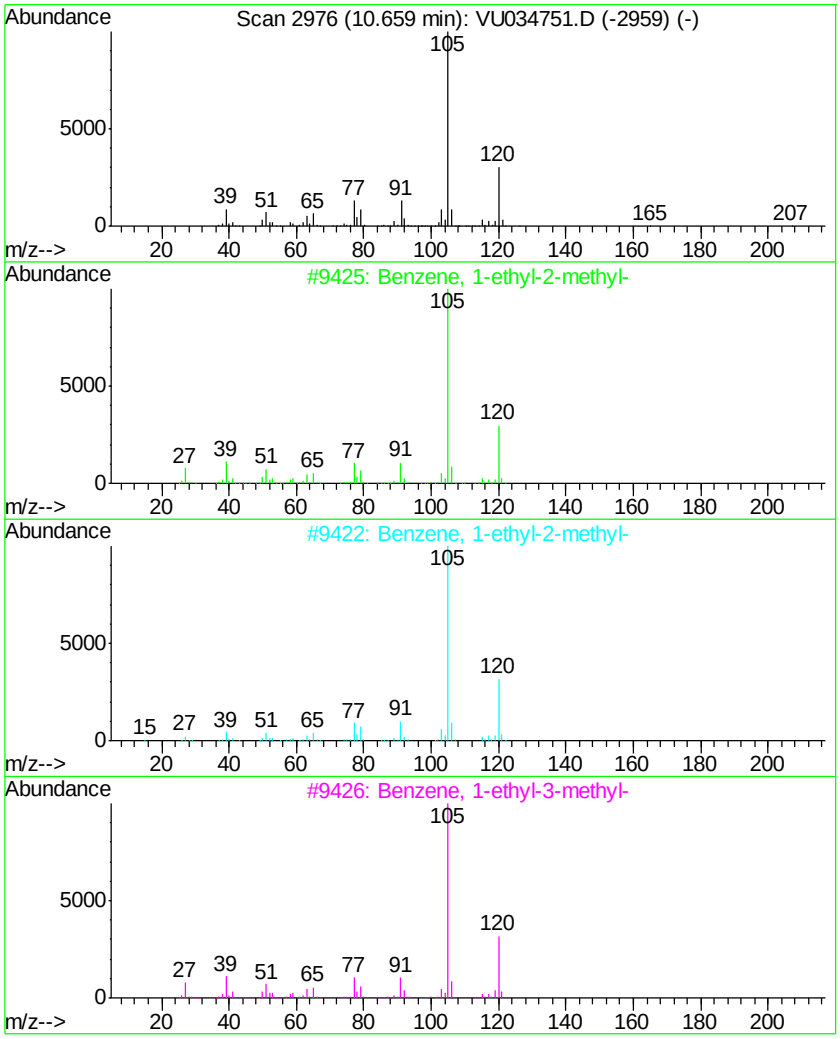
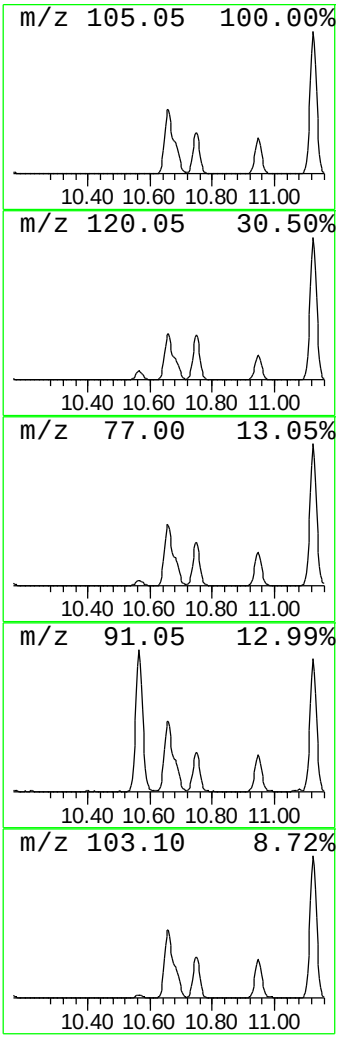
Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	96.23 ug/L	3283660	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Acq On : 23 Sep 2019 22:29
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Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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Quant Title : VOC Analysis

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

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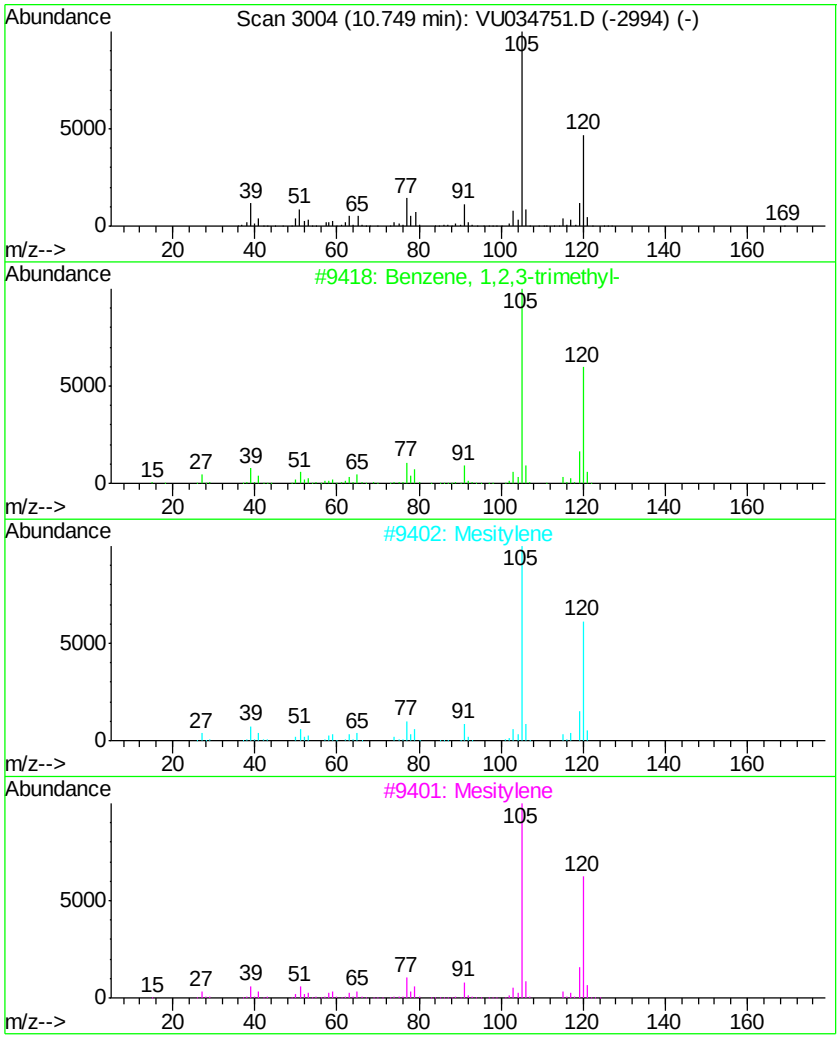
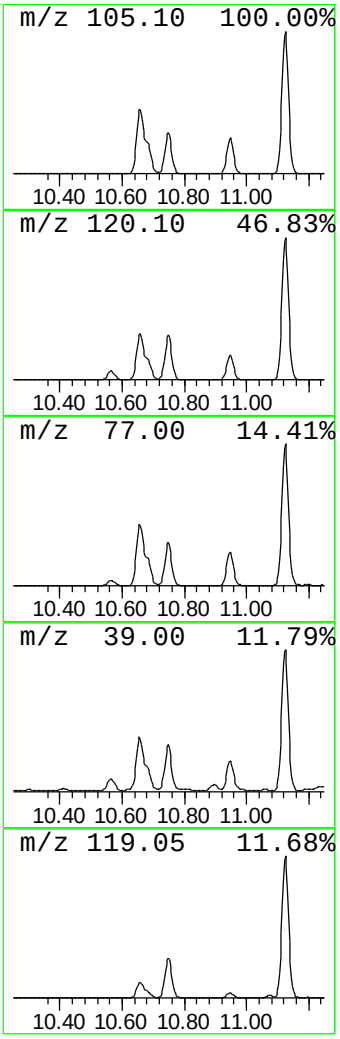
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	49.26 ug/L	1680820	1,4-Dichlorobenzene-d4	11.46

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





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Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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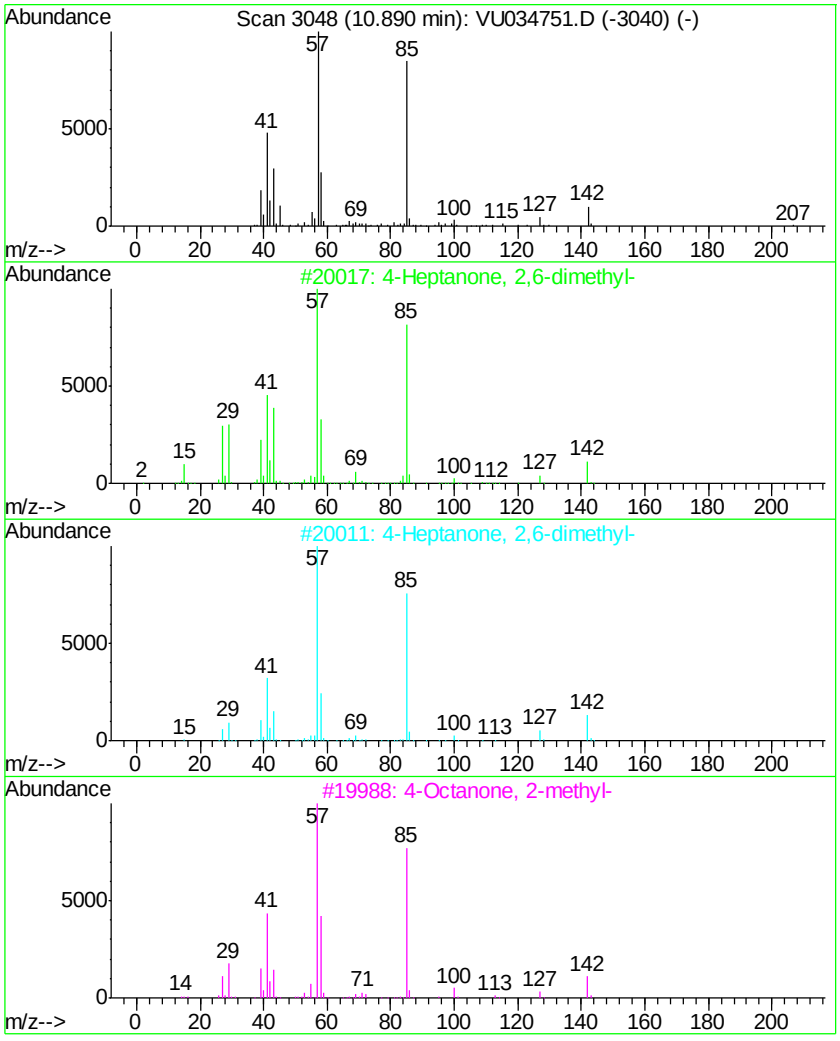
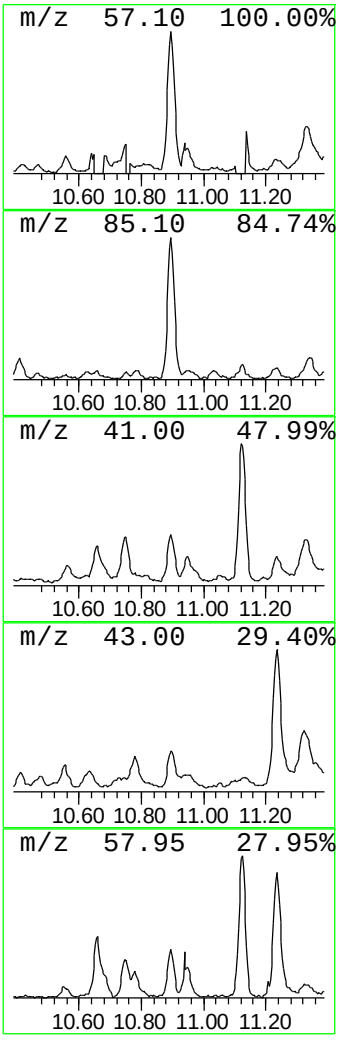
Peak Number 15 4-Heptanone, 2,6-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	5.90 ug/L	201329	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	90
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	72
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
5	5-Nonanone	142	C9H18O	000502-56-7	59





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Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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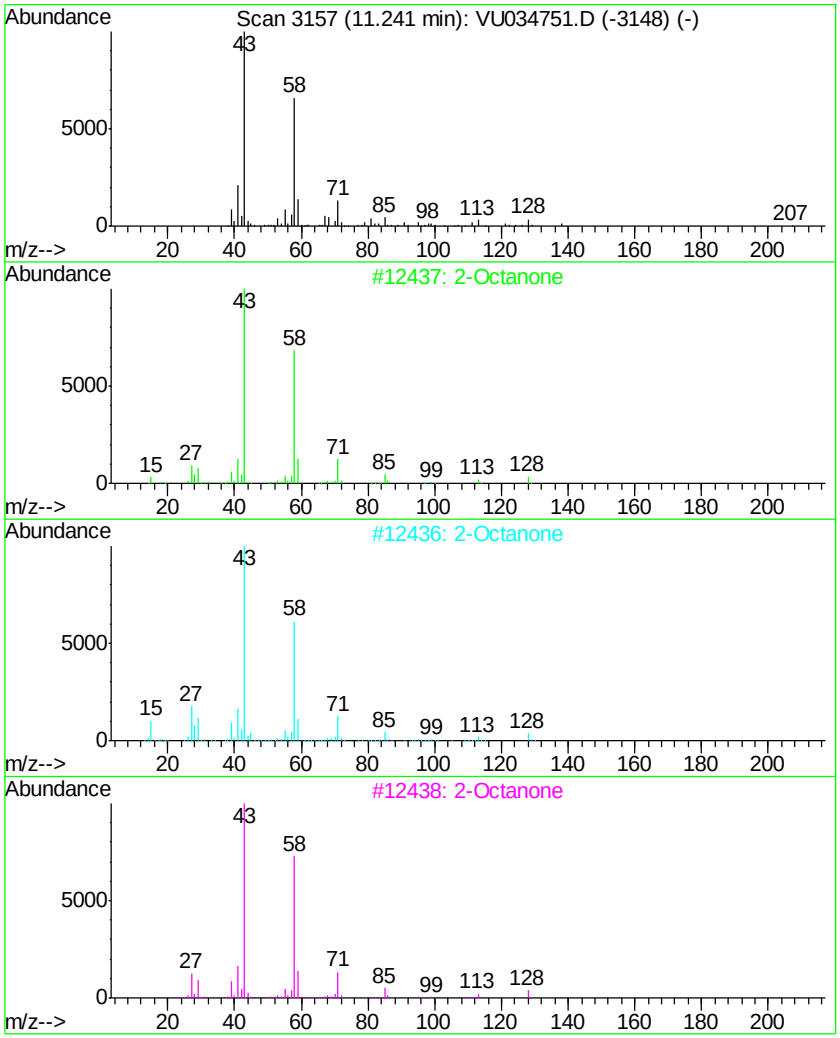
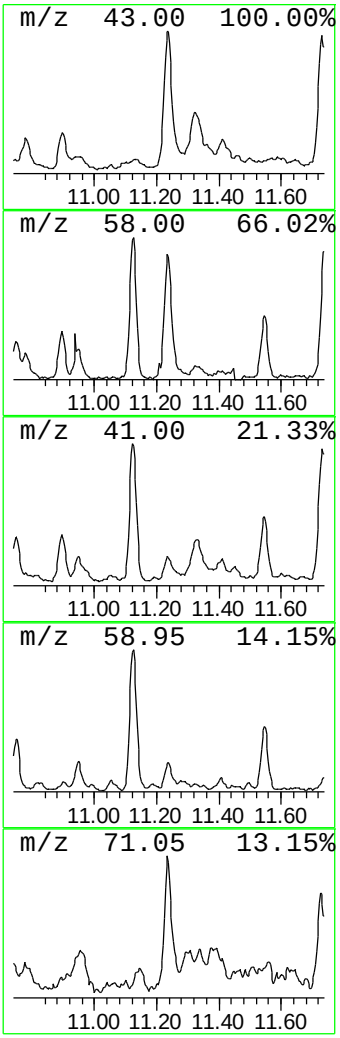
Peak Number 18 2-Octanone Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	5.92 ug/L	201837	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	90
2	2-Octanone	128	C8H16O	000111-13-7	90
3	2-Octanone	128	C8H16O	000111-13-7	90
4	2-Octanone	128	C8H16O	000111-13-7	78
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	72





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Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

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

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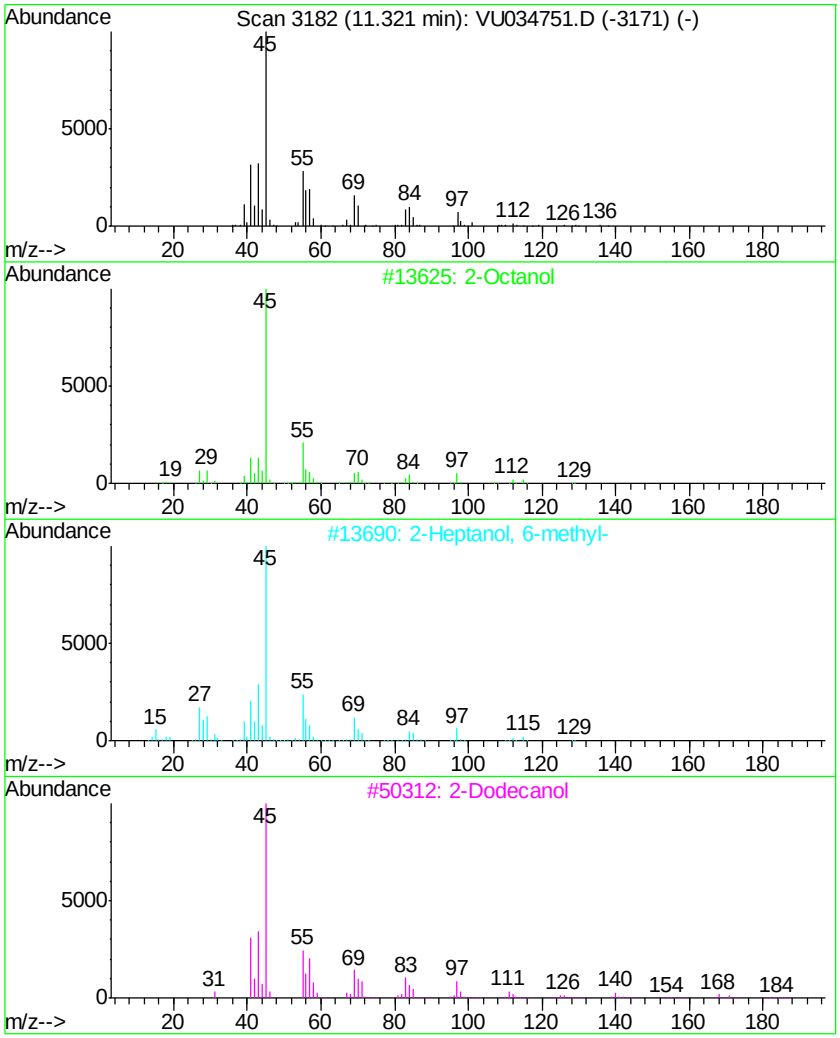
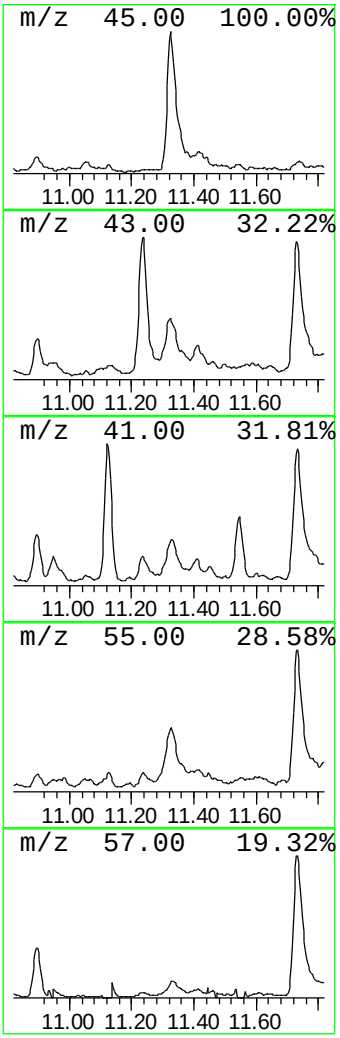
Peak Number 19 2-Octanol Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	10.75 ug/L	366737	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanol	130	C8H18O	000123-96-6	86
2	2-Heptanol, 6-methyl-	130	C8H18O	004730-22-7	83
3	2-Dodecanol	186	C12H26O	010203-28-8	83
4	2-Heptanol, 6-methyl-	130	C8H18O	004730-22-7	83
5	2-Heptanol, 5-methyl-	130	C8H18O	054630-50-1	83





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

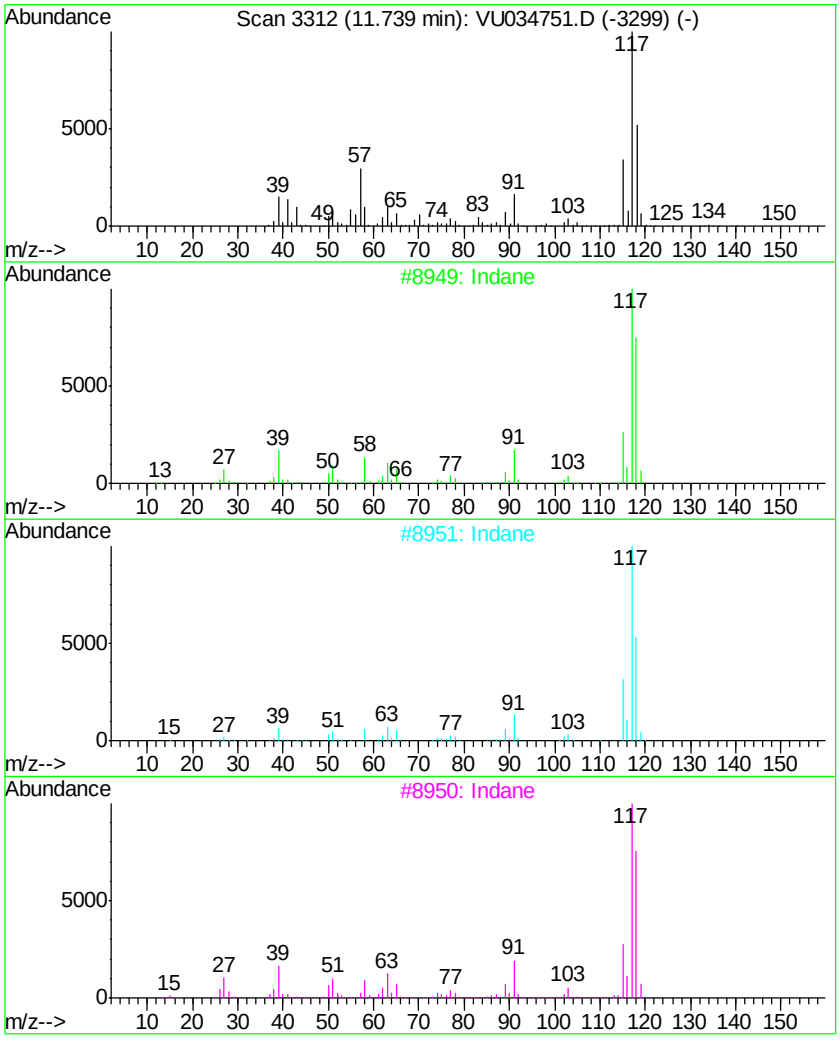
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

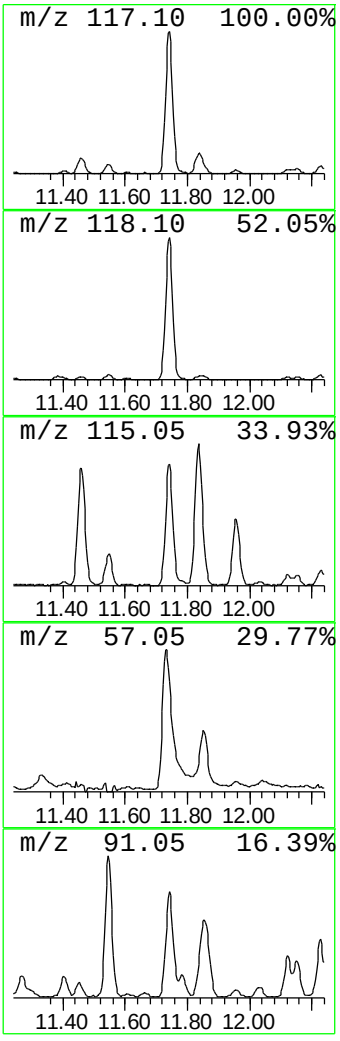
****

Peak Number 22 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	64.60 ug/L	2204160	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Indane	118	C9H10	000496-11-7	94
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

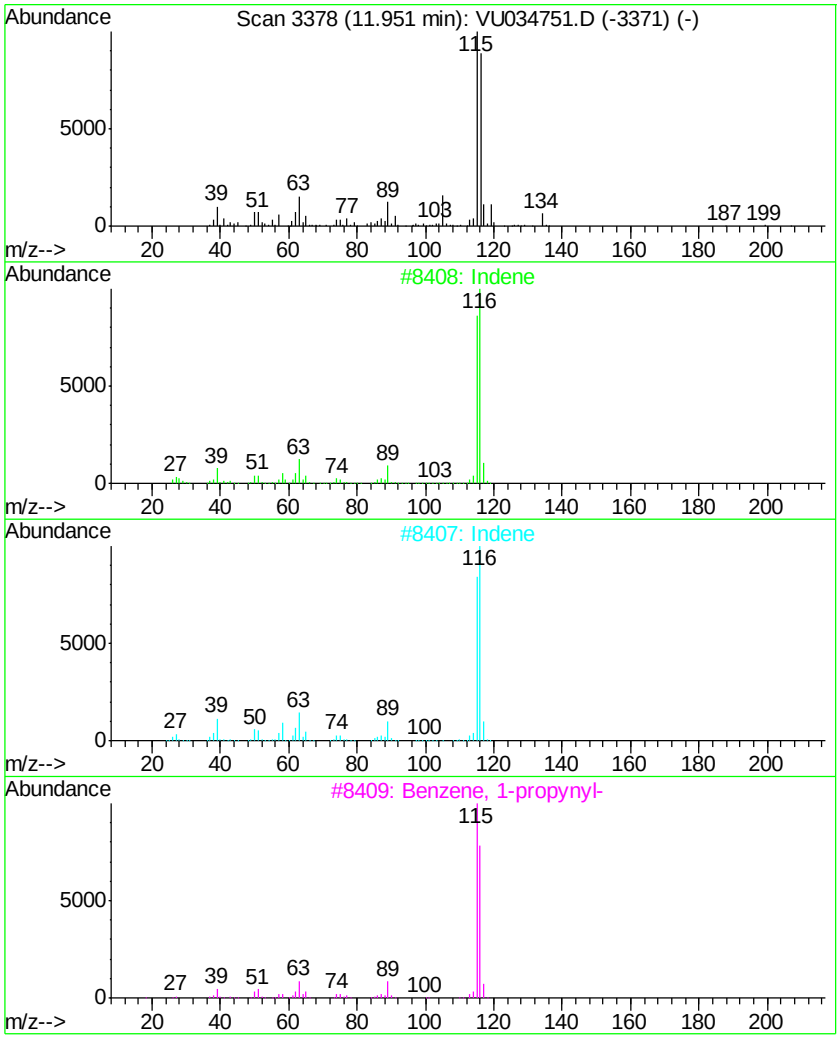
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

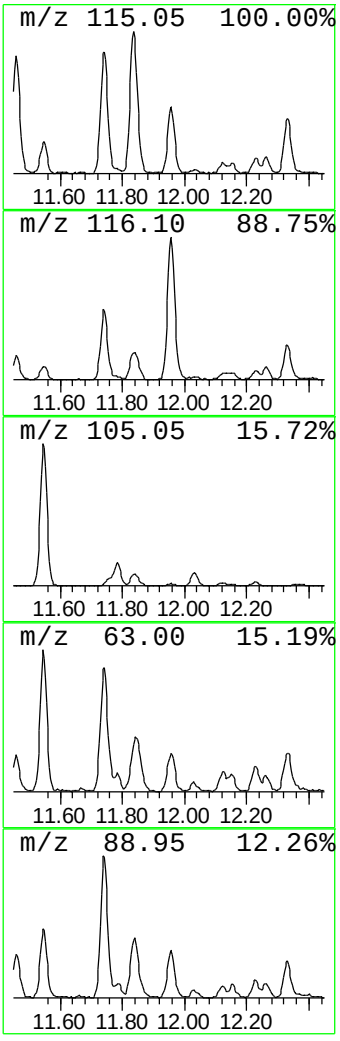
****

Peak Number 23 Indene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	9.52 ug/L	324823	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
4	Indene	116	C9H8	000095-13-6	93
5	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	87





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

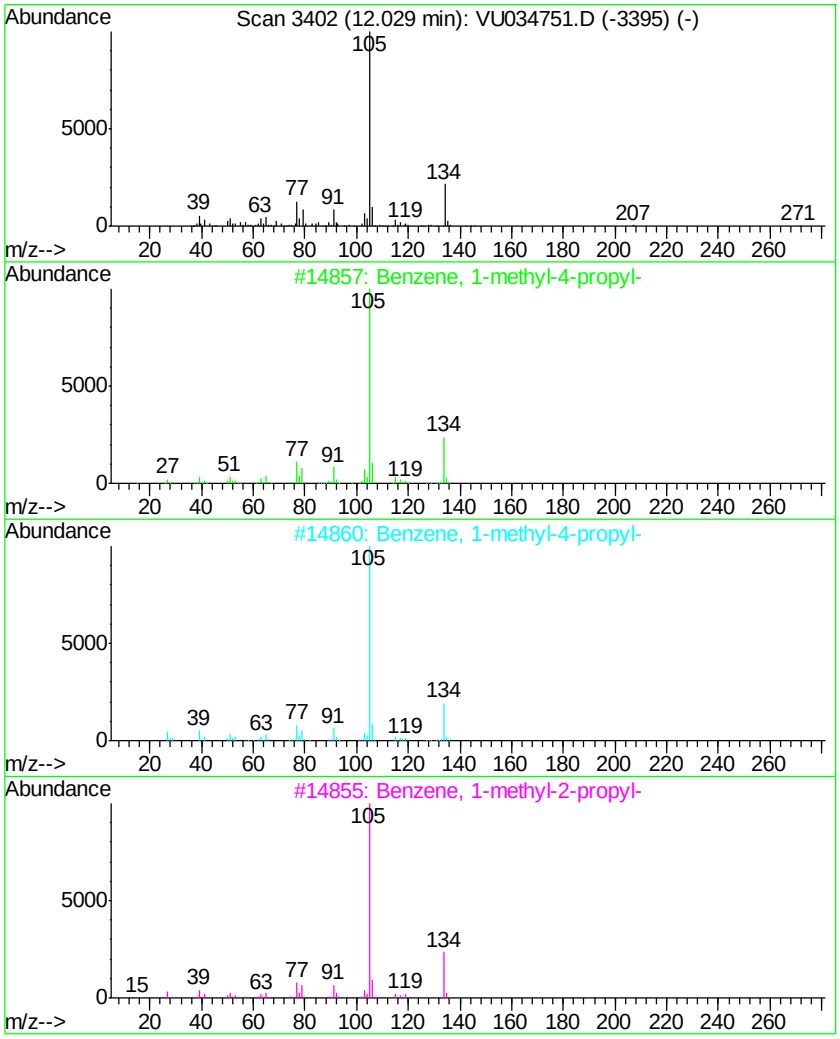
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

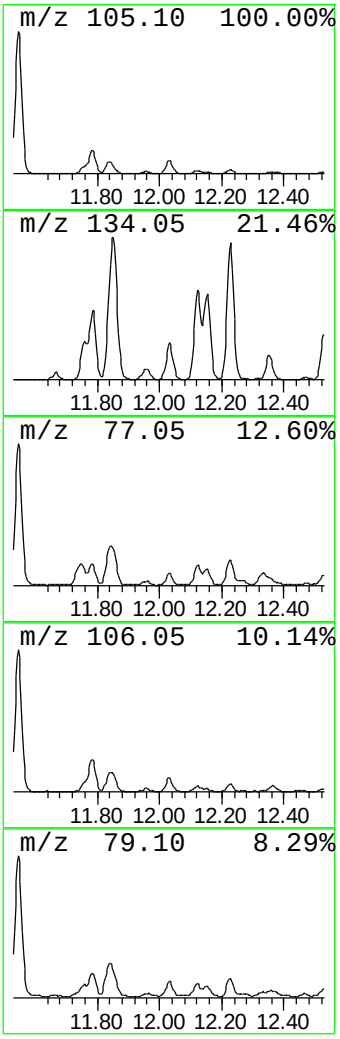
****

Peak Number 24 Benzene, 1-methyl-4-propyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.91 ug/L	201727	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5	2-Tolyloxirane	134	C9H10O	002783-26-8	87





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

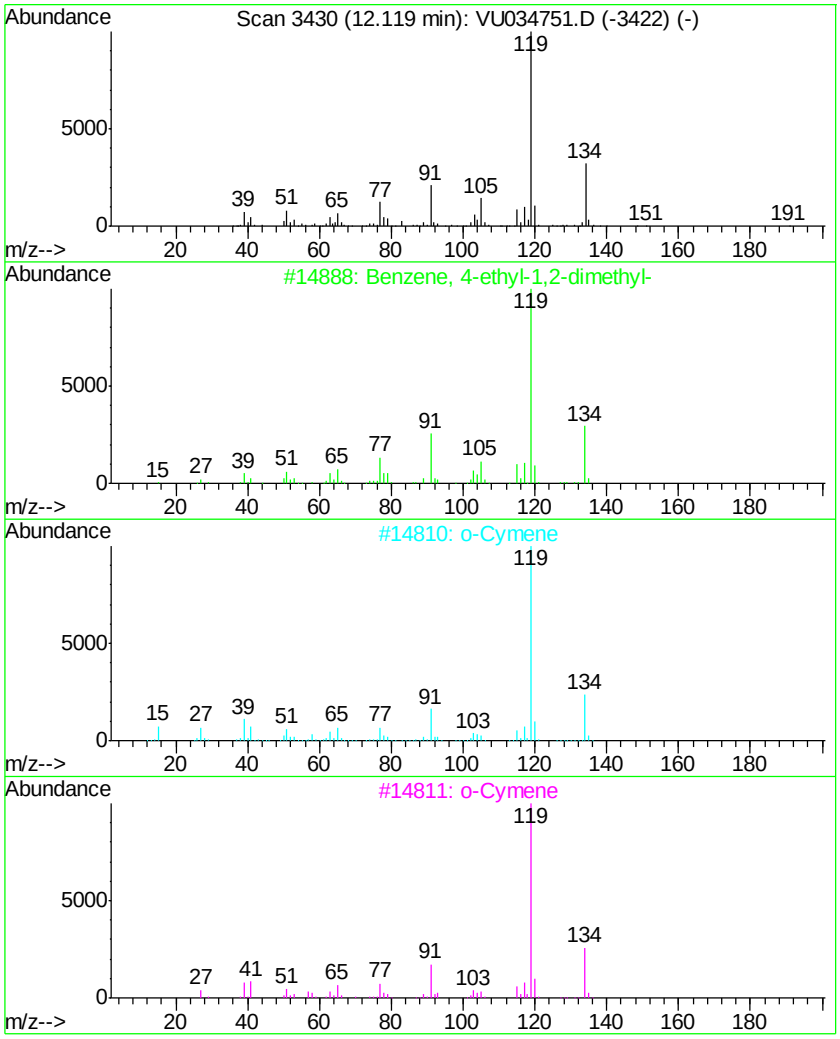
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

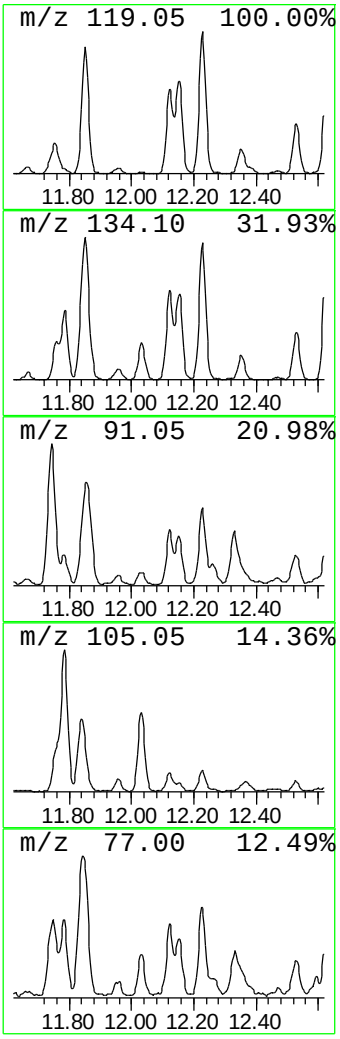
****

Peak Number 25 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	11.50 ug/L	392473	1,4-Dichlorobenzene-d4	11.46

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





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

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

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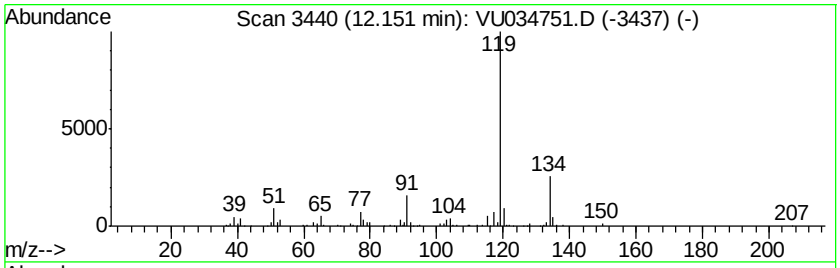
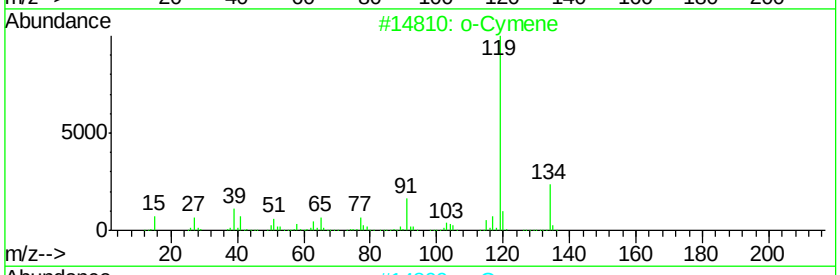
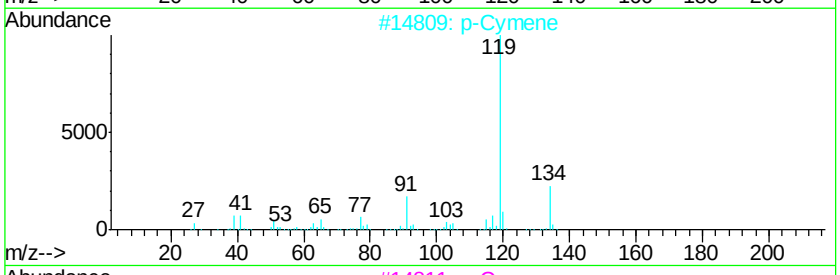
Peak Number 26 o-Cymene Concentration Rank 28

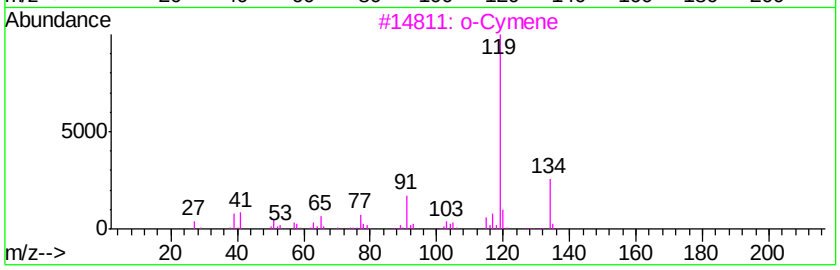
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	9.11 ug/L	310897	1,4-Dichlorobenzene-d4	11.46

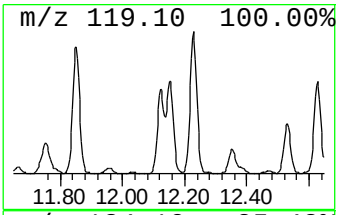
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94

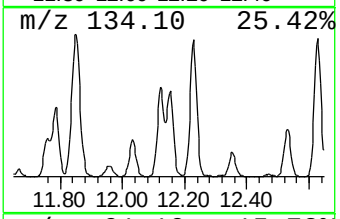


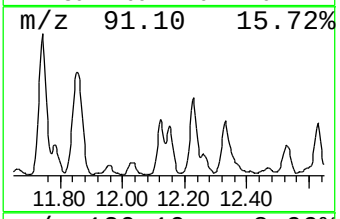


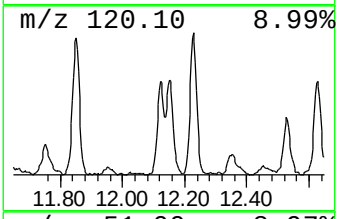


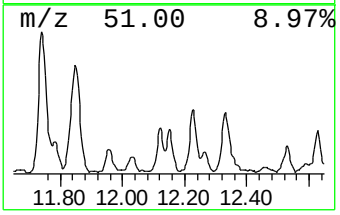












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

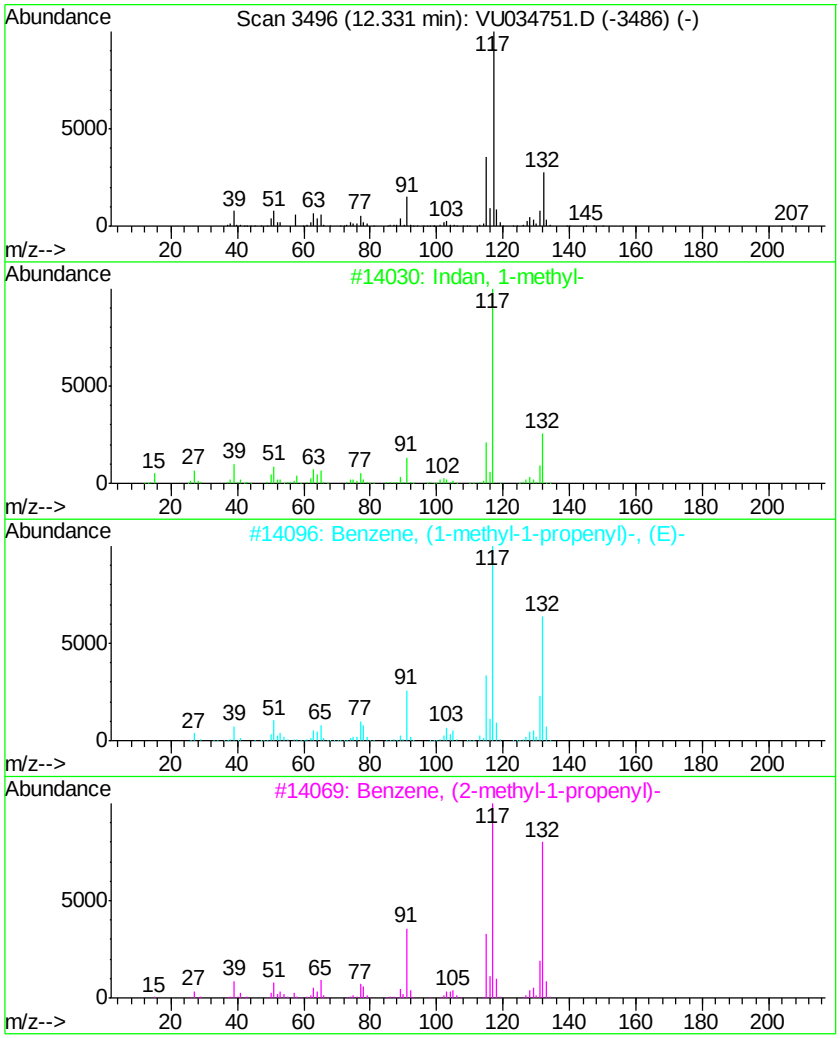
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

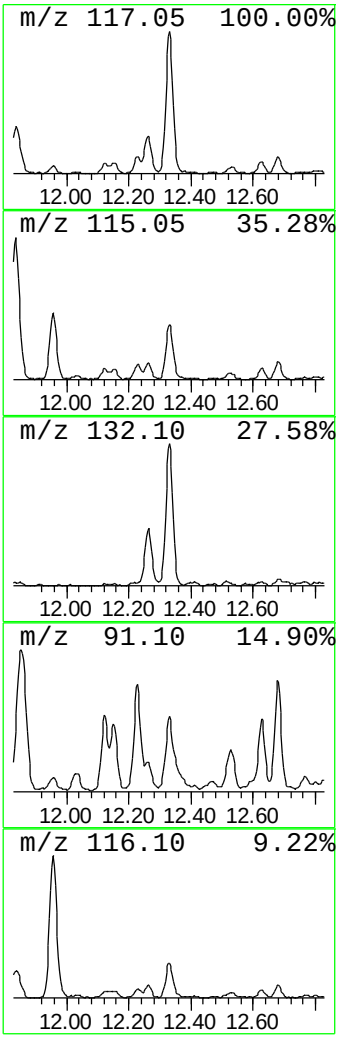
****

Peak Number 28 Indan, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	20.25 ug/L	691114	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-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

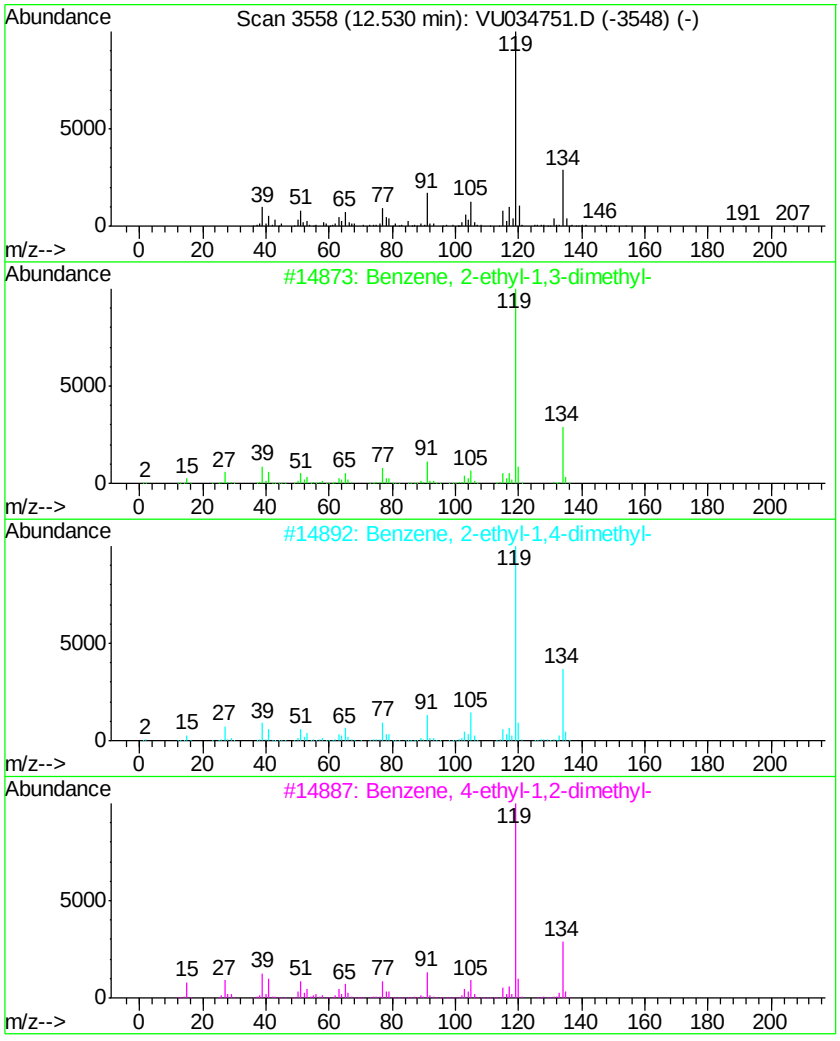
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

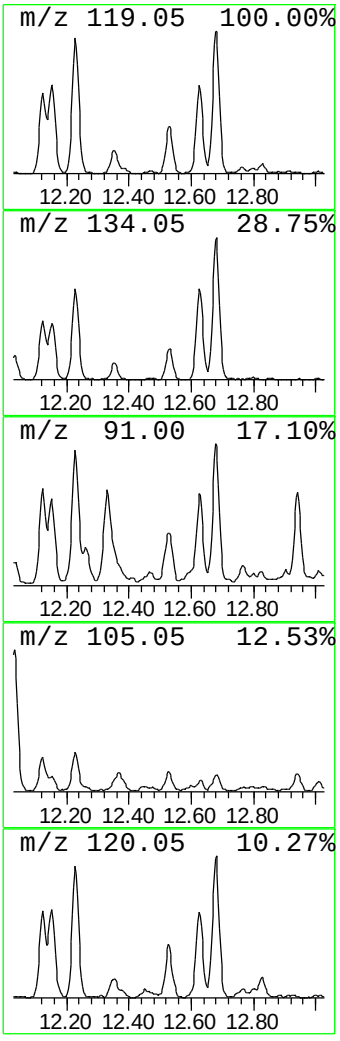
****

Peak Number 29 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	7.45 ug/L	254249	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

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

****

Peak Number 30 L-Fenchone Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	6.47 ug/L	220606	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	L-Fenchone	152	C10H16O	007787-20-4	91
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	90
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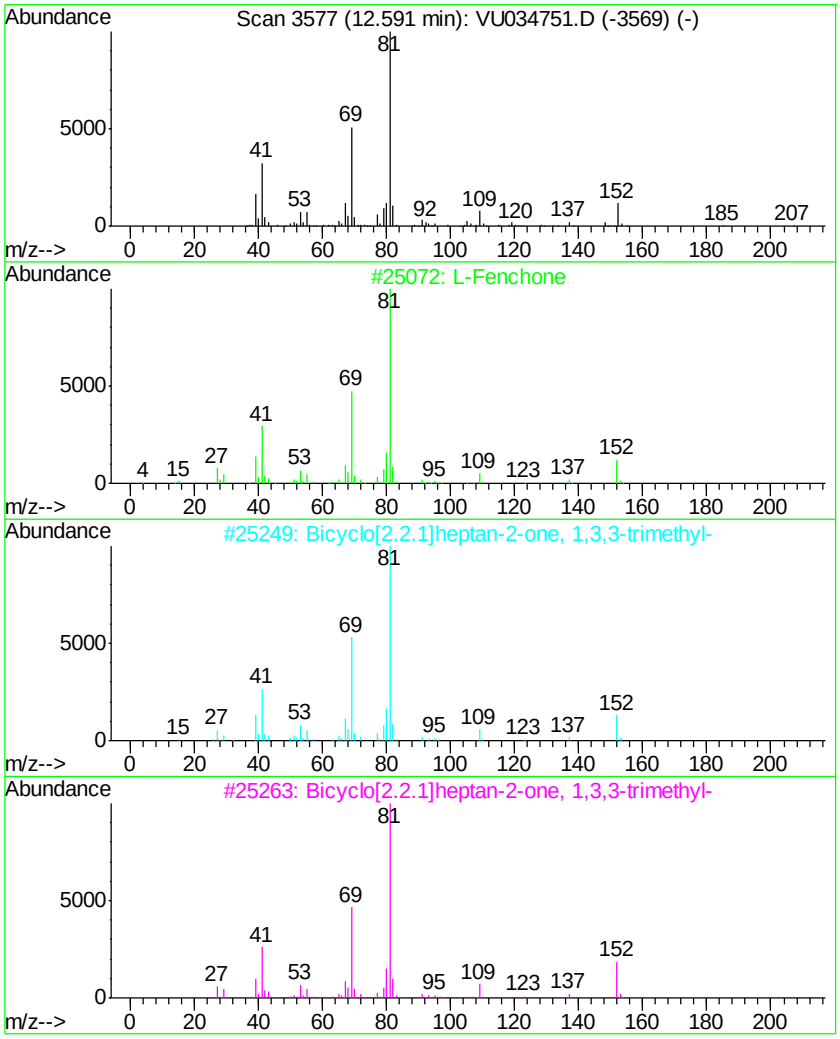

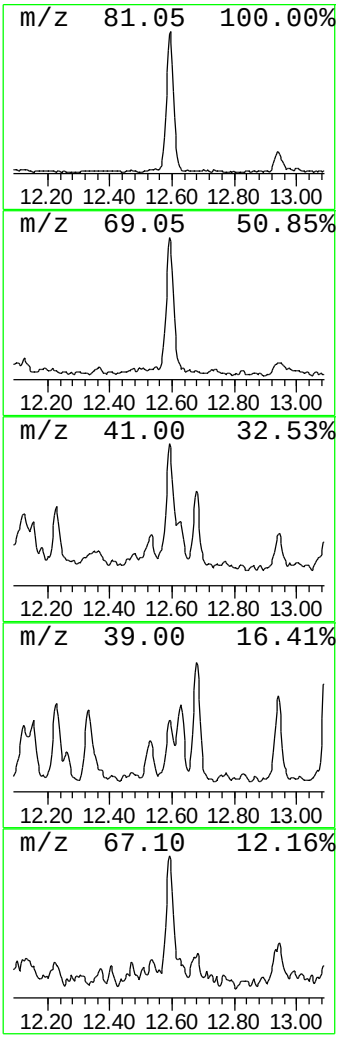

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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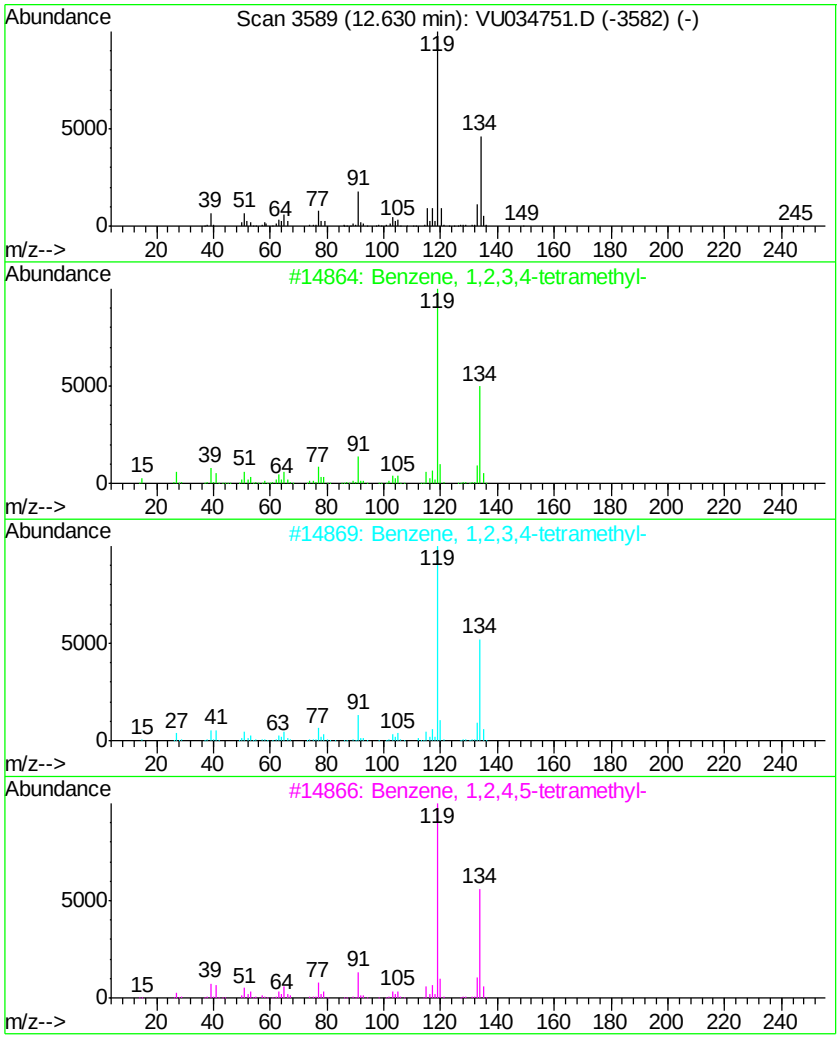
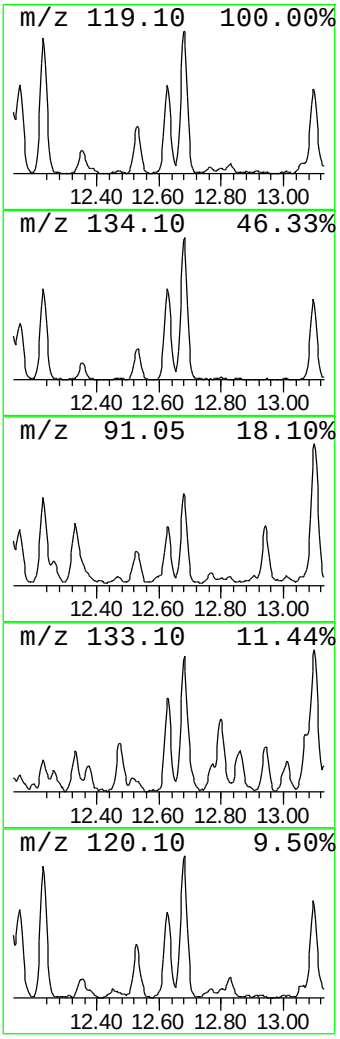
Peak Number 31 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	12.17 ug/L	415240	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	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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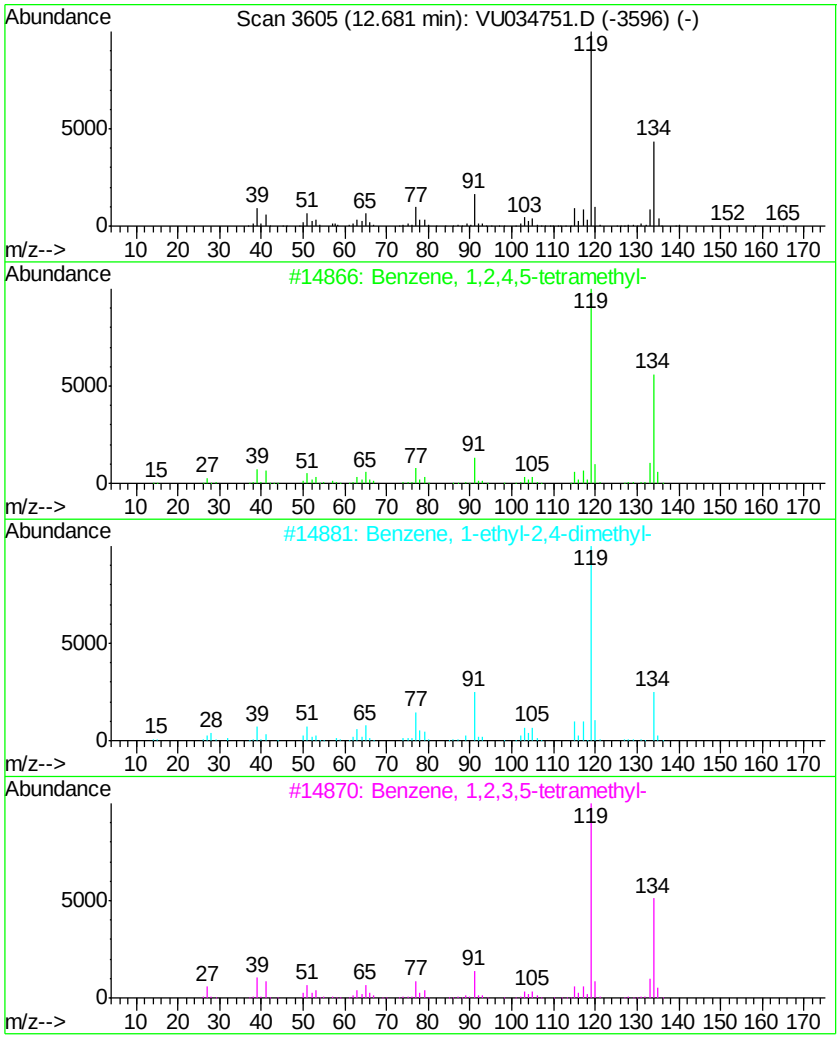
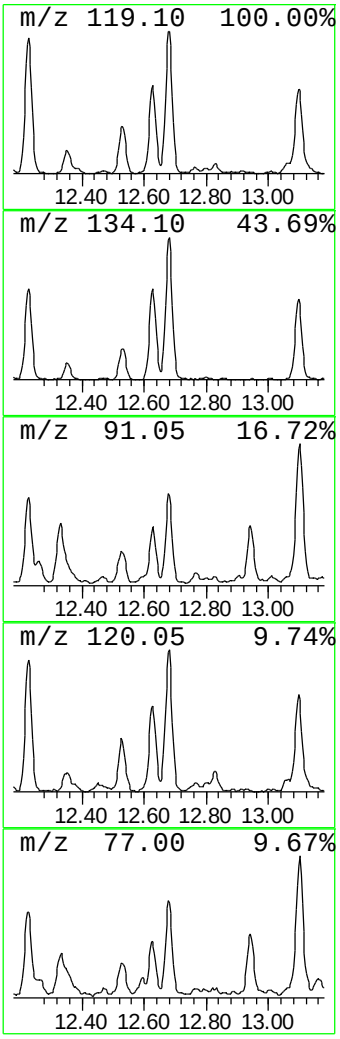
Peak Number 32 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	21.42 ug/L	730874	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





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Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

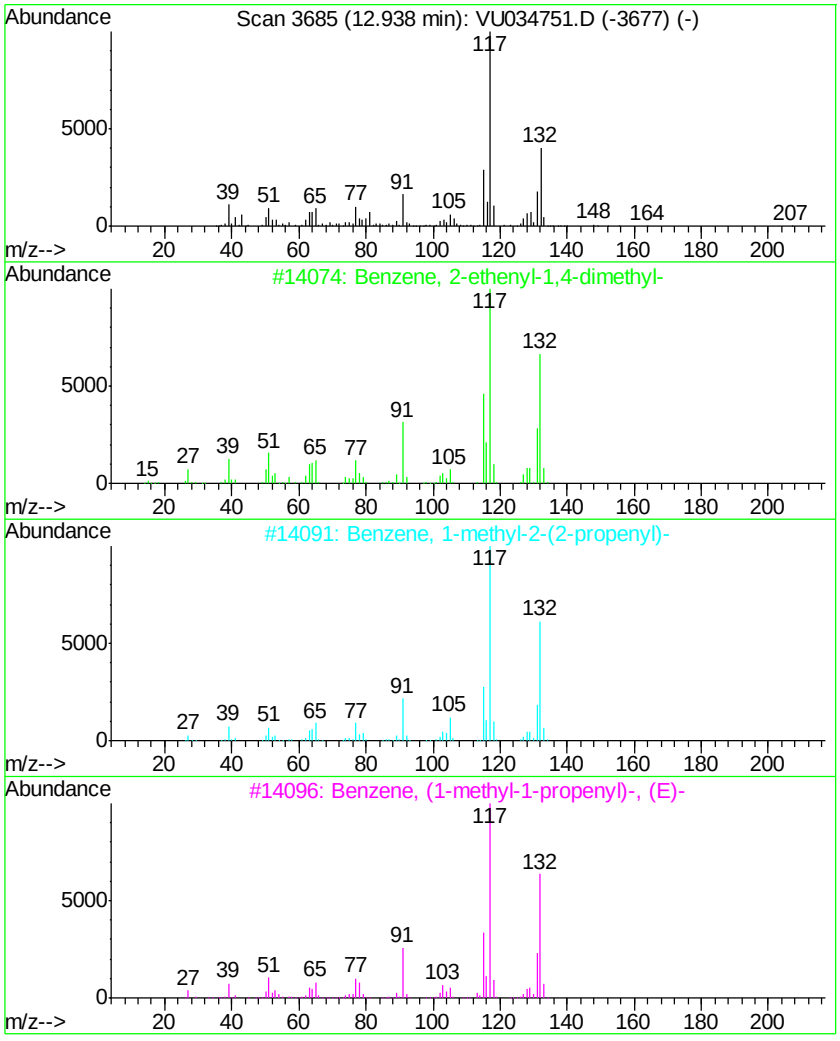
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

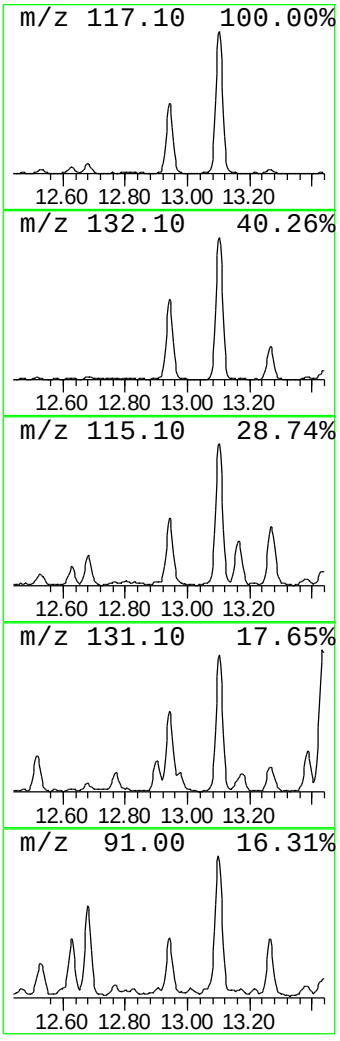
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	17.83 ug/L	608425	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	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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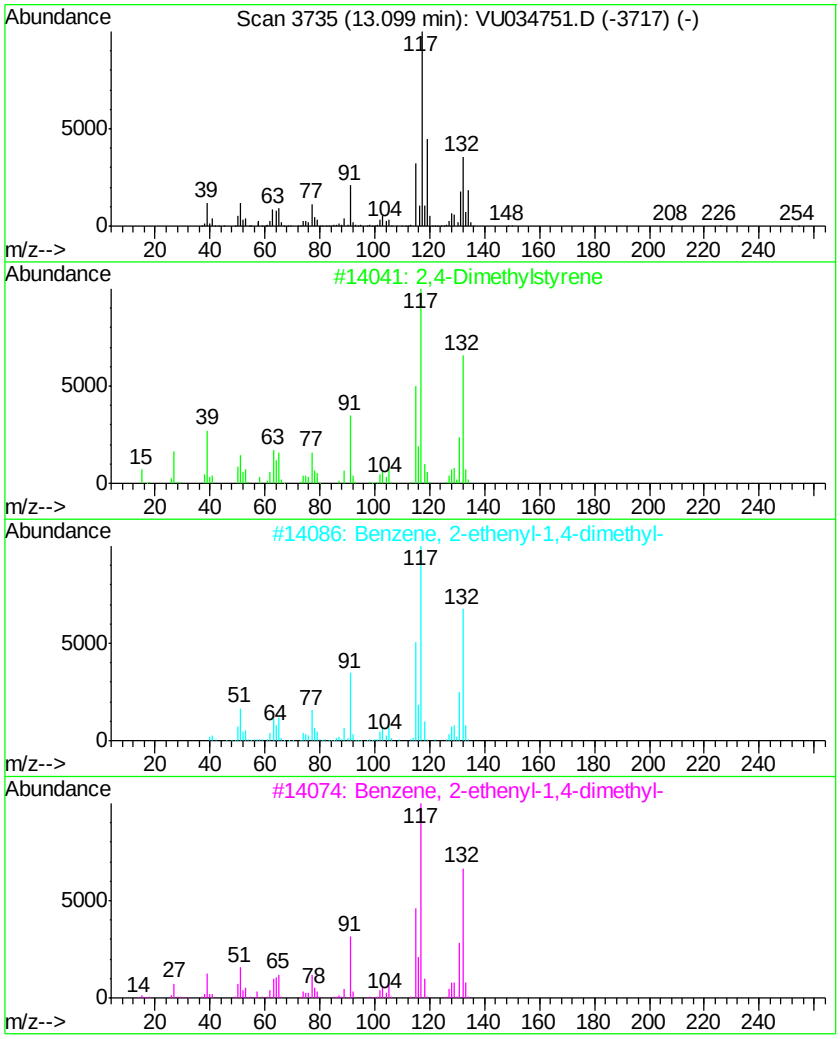
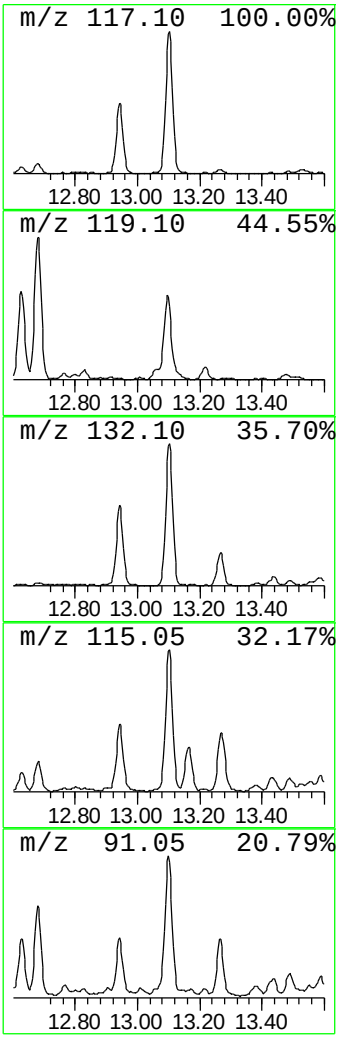
Peak Number 34 2,4-Dimethylstyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	44.03 ug/L	1502200	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylstyrene	132	C10H12	002234-20-0	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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

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

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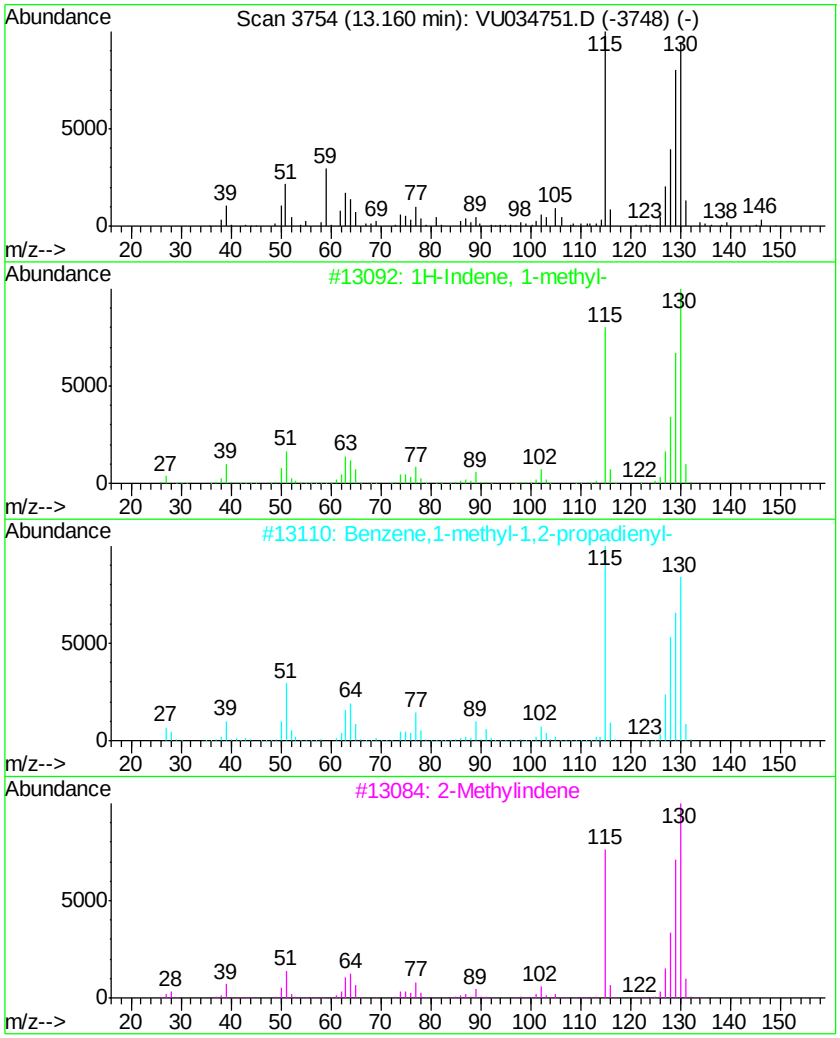
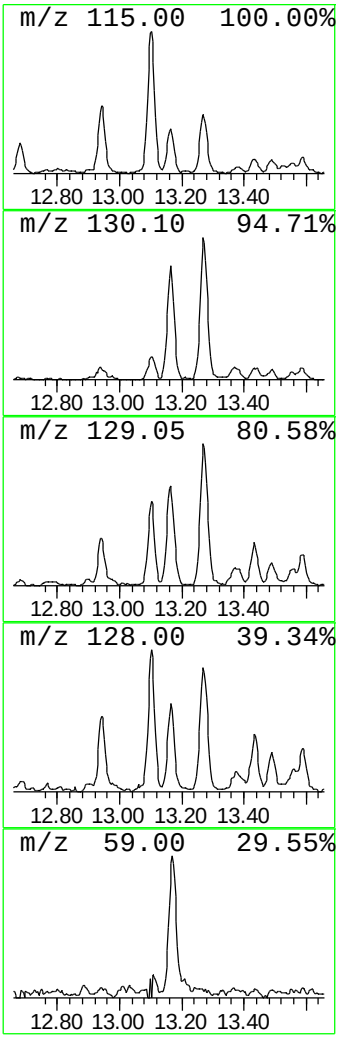
Peak Number 35 1H-Indene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	6.18 ug/L	210712	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
3	2-Methylindene	130	C10H10	002177-47-1	94
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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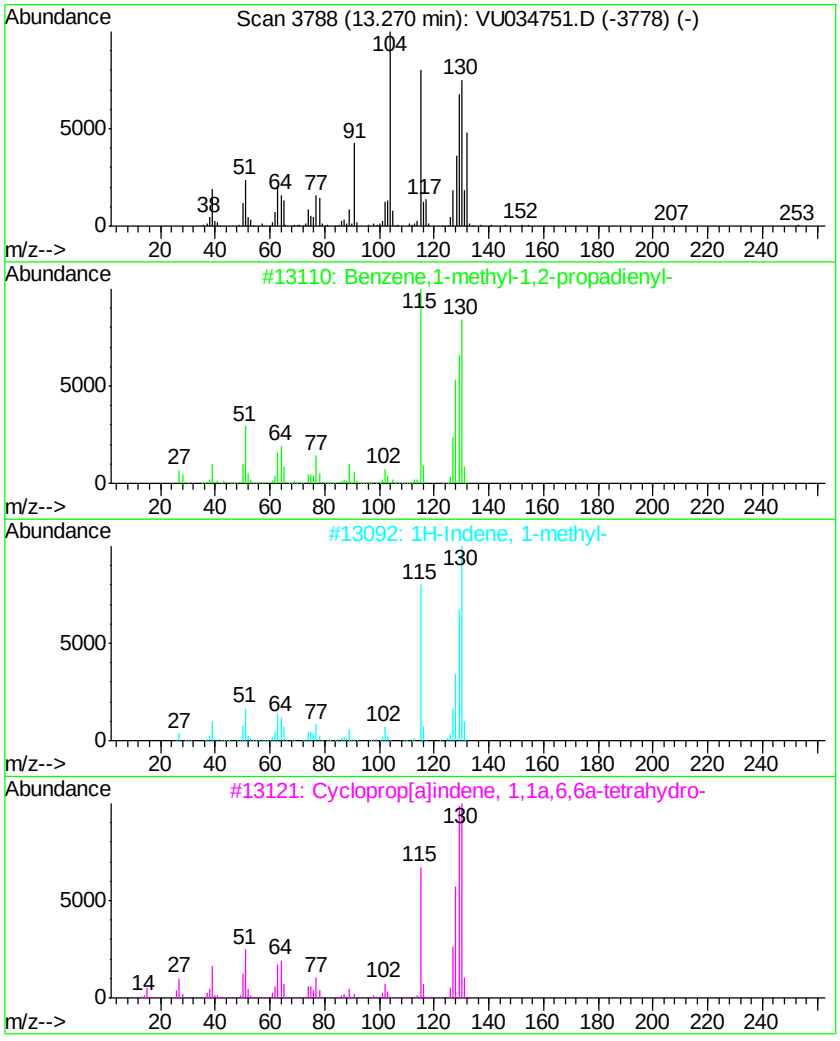
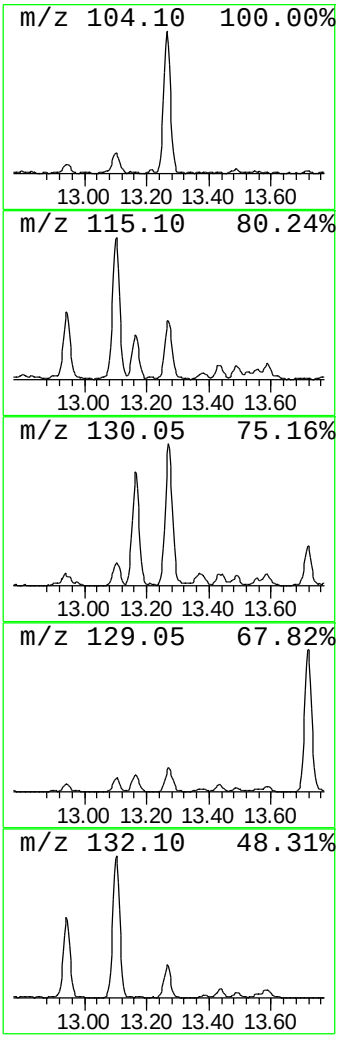
Peak Number 36 Benzene,1-methyl-1,2-propad... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	12.59 ug/L	429682	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	86
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	86
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	84
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	64
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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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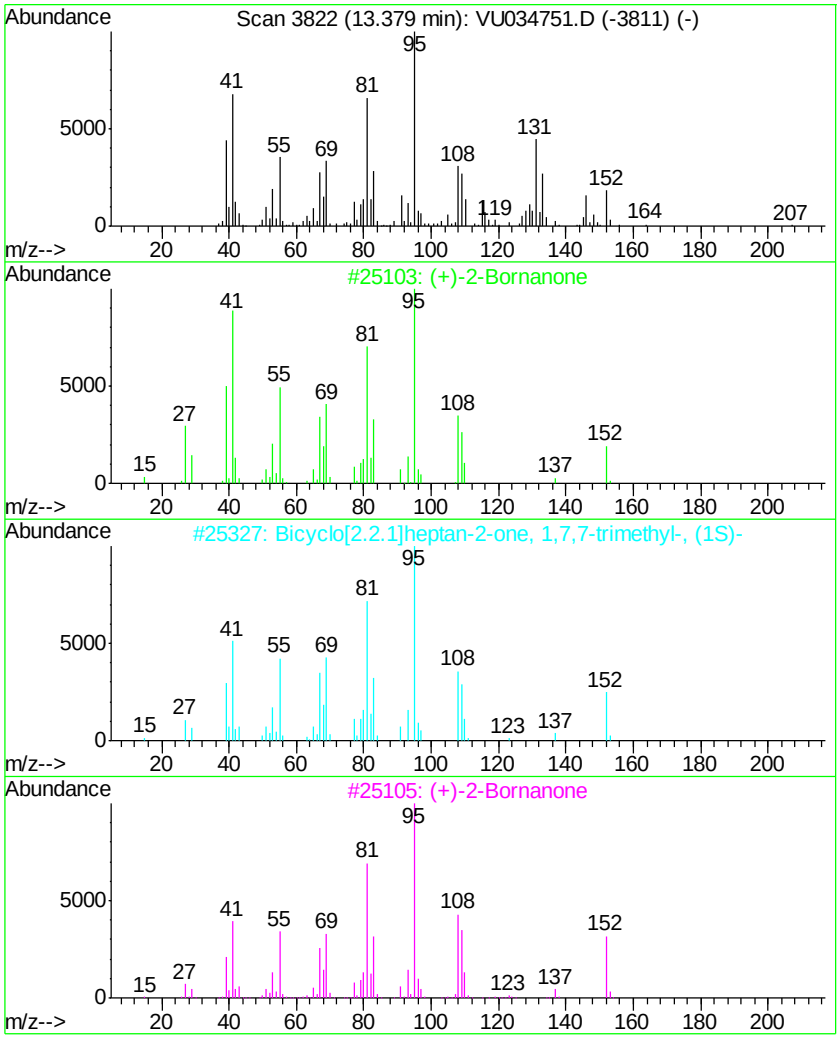
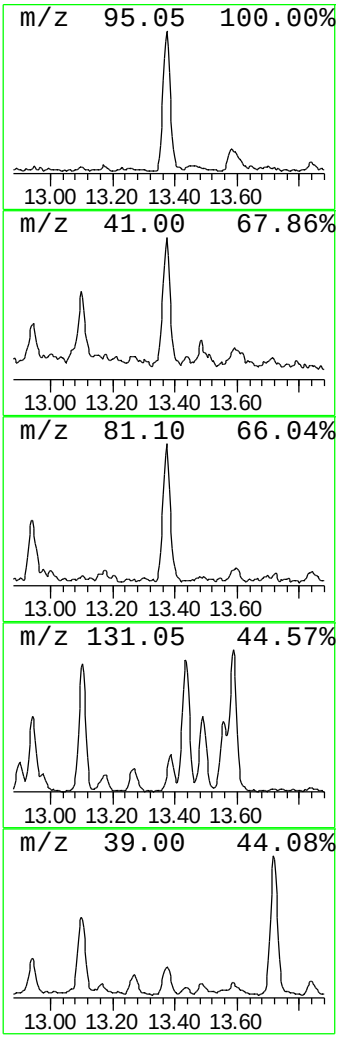
Peak Number 37 (+)-2-Bornanone Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	9.46 ug/L	322662	1,4-Dichlorobenzene-d4	11.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034751.D
Acq On : 23 Sep 2019 22:29
Operator : JC/SP
Sample : K4932-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG9

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	4.3	ug/L	113157	1	5.86	1329070	50.0
Cyclopentene, 1-m...	4.75	3.7	ug/L	97937	1	5.86	1329070	50.0
Isopropyl acetate	5.53	8.0	ug/L	212298	1	5.86	1329070	50.0
n-Propyl acetate	6.68	128.6	ug/L	3418820	1	5.86	1329070	50.0
2-Hexanol	7.89	23.0	ug/L	740721	2	9.07	1609730	50.0
Propanoic acid, 2...	8.13	16.5	ug/L	530425	2	9.07	1609730	50.0
Propanoic acid, p...	8.40	34.2	ug/L	1101300	2	9.07	1609730	50.0
Butanoic acid, 1-...	8.88	34.1	ug/L	1099050	2	9.07	1609730	50.0
Thiophene, tetrah...	9.48	3.1	ug/L	100689	2	9.07	1609730	50.0
2-Heptanone	9.91	2.8	ug/L	89307	2	9.07	1609730	50.0
Benzene, propyl-	10.57	16.2	ug/L	552485	3	11.46	1706070	50.0
Benzene, 1-ethyl-...	10.66	96.2	ug/L	3283660	3	11.46	1706070	50.0
Benzene, 1,2,3-tr...	10.75	49.3	ug/L	1680820	3	11.46	1706070	50.0
4-Heptanone, 2,6-...	10.89	5.9	ug/L	201329	3	11.46	1706070	50.0
2-Octanone	11.24	5.9	ug/L	201837	3	11.46	1706070	50.0
2-Octanol	11.32	10.8	ug/L	366737	3	11.46	1706070	50.0
Indane	11.74	64.6	ug/L	2204160	3	11.46	1706070	50.0
Indene	11.95	9.5	ug/L	324823	3	11.46	1706070	50.0
Benzene, 1-methyl...	12.03	5.9	ug/L	201727	3	11.46	1706070	50.0
Benzene, 4-ethyl-...	12.12	11.5	ug/L	392473	3	11.46	1706070	50.0
o-Cymene	12.15	9.1	ug/L	310897	3	11.46	1706070	50.0
Indan, 1-methyl-	12.33	20.3	ug/L	691114	3	11.46	1706070	50.0
Benzene, 2-ethyl-...	12.53	7.5	ug/L	254249	3	11.46	1706070	50.0
L-Fenchone	12.59	6.5	ug/L	220606	3	11.46	1706070	50.0
Benzene, 1,2,3,4-...	12.63	12.2	ug/L	415240	3	11.46	1706070	50.0
Benzene, 1,2,4,5-...	12.68	21.4	ug/L	730874	3	11.46	1706070	50.0
Benzene, 2-etheny...	12.94	17.8	ug/L	608425	3	11.46	1706070	50.0
2,4-Dimethylstyrene	13.10	44.0	ug/L	1502200	3	11.46	1706070	50.0
1H-Indene, 1-methyl-	13.16	6.2	ug/L	210712	3	11.46	1706070	50.0
Benzene,1-methyl-...	13.27	12.6	ug/L	429682	3	11.46	1706070	50.0
(+)-2-Bornanone	13.38	9.5	ug/L	322662	3	11.46	1706070	50.0