LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.177	19	27	32	rBV2	26251	26967	0.76%	0.051%
2	1.392	84	94	105	rBV	372225	431911	12.18%	0.810%
3	1.466	109	117	126	rVV	177541	192440	5.43%	0.361%
4	1.540	133	140	157	rVB2	38899	59404	1.67%	0.111%
5	1.672	173	181	196	rVB	269011	344470	9.71%	0.646%
6	1.746	199	204	214	rVB3	16013	21117	0.60%	0.040%
7	2.171	331	336	347	rVB4	19913	30494	0.86%	0.057%
8	2.257	348	363	372	rVV	510874	833963	23.51%	1.564%
9	2.306	372	378	398	rVB	151102	244937	6.91%	0.459%
10	2.685	484	496	508	rBV	113937	205052	5.78%	0.385%
11	3.167	633	646	660	rBV3	29558	67668	1.91%	0.127%
12	3.418	706	724	725	rBV10	16308	25555	0.72%	0.048%
13	3.540	752	762	778	rVB8	8136	19166	0.54%	0.036%
14	3.968	879	895	912	rBV6	27341	75164	2.12%	0.141%
15	4.068	913	926	939	rBV5	14284	34196	0.96%	0.064%
16	4.151	939	952	964	rBV	262871	692395	19.52%	1.299%
17	4.624	1079	1099	1118	rBV	385343	929022	26.19%	1.742%
18	4.749	1129	1138	1153	rVB6	14849	35949	1.01%	0.067%
19	4.968	1193	1206	1222	rBV6	18854	47770	1.35%	0.090%
20	5.315	1289	1314	1325	rBV2	833259	2472967	69.72%	4.638%
21	5.531	1362	1381	1411	rVB	98039	258846	7.30%	0.485%
22	5.765	1437	1454	1465	rBV7	13111	34487	0.97%	0.065%
23	5.862	1470	1484	1509	rBV	607740	1224576	34.53%	2.297%
24	6.164	1566	1578	1605	rVB3	97409	223563	6.30%	0.419%
25	6.309	1605	1623	1639	rBV	573942	1157678	32.64%	2.171%
26	6.402	1643	1652	1677	rVB5	50110	123252	3.48%	0.231%
27	6.514	1679	1687	1694	rBV2	19355	31915	0.90%	0.060%
28	6.563	1695	1702	1706	rBV2	13327	18756	0.53%	0.035%
29	6.685	1727	1740	1772	rBV	1924294	3506072	98.85%	6.575%
30	7.045	1840	1852	1864	rVB6	14057	28387	0.80%	0.053%
31	7.206	1887	1902	1925	rBV	334974	615669	17.36%	1.155%
32	7.399	1949	1962	1967	rBV	238745	388623	10.96%	0.729%
33	7.437	1967	1974	1991	rVB	485515	852410	24.03%	1.599%
34	7.543	1995	2007	2018	rBV	1149519	1982633	55.90%	3.718%

LSC Area Percent Report

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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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	7.614	2018	2029	2050	rVB	2091953	3546771	100.00%	6.652%
36	7.826	2084	2095	2108	rBV	288939	508860	14.35%	0.954%
37	7.894	2108	2116	2139	rVB3	89530	221173	6.24%	0.415%
38	8.135	2180	2191	2205	rBV	348400	572836	16.15%	1.074%
39	8.209	2205	2214	2219	rBV5	40509	67075	1.89%	0.126%
40	8.241	2219	2224	2229	rVV2	33765	42683	1.20%	0.080%
41	8.289	2229	2239	2262	rVV	1009429	1751781	49.39%	3.285%
42	8.395	2262	2272	2284	rVV	598050	909753	25.65%	1.706%
43	8.508	2300	2307	2325	rVB3	31326	58916	1.66%	0.110%
44	8.884	2411	2424	2450	rBV	705422	1147525	32.35%	2.152%
45	9.067	2457	2481	2519	rBV	929134	1656041	46.69%	3.106%
46	9.228	2519	2531	2553	rBV	550828	900955	25.40%	1.690%
47	9.350	2556	2569	2585	rBV	2035020	3287510	92.69%	6.165%
48	9.585	2634	2642	2653	rBV	24752	38837	1.09%	0.073%
49	9.755	2683	2695	2722	rVB	1432730	2389989	67.38%	4.482%
50	9.907	2734	2742	2758	rBV2	22414	47325	1.33%	0.089%
51	10.016	2770	2776	2785	rBV9	11581	21250	0.60%	0.040%
52	10.144	2805	2816	2827	rVB2	65053	108315	3.05%	0.203%
53	10.305	2853	2866	2873	rBV7	12750	24857	0.70%	0.047%
54	10.408	2887	2898	2914	rVV	739818	1202730	33.91%	2.256%
55	10.566	2934	2947	2961	rBV2	135762	236241	6.66%	0.443%
56	10.656	2963	2975	2994	rVV	646059	1368271	38.58%	2.566%
57	10.749	2994	3004	3029	rVB	451608	745457	21.02%	1.398%
58	10.897	3040	3050	3056	rBV2	77255	118281	3.33%	0.222%
59	10.948	3056	3066	3087	rVB	381522	639852	18.04%	1.200%
60	11.125	3109	3121	3137	rBV	1547479	2382806	67.18%	4.469%
61	11.241	3149	3157	3165	rBV3	29345	50101	1.41%	0.094%
62	11.299	3171	3175	3182	rBV2	13588	17151	0.48%	0.032%
63	11.402	3200	3207	3214	rBV2	51166	72780	2.05%	0.136%
64	11.460	3215	3225	3241	rVB	918104	1487375	41.94%	2.789%
65	11.546	3242	3252	3266	rVB	688785	1037932	29.26%	1.947%
66	11.742	3301	3313	3322	rBV	413250	746326	21.04%	1.400%
67	11.784	3323	3326	3332	rVV2	122907	154578	4.36%	0.290%
68	11.836	3332	3342	3363	rVB2	1209433	2349870	66.25%	4.407%
69	11.958	3372	3380	3395	rBV3	59651	107461	3.03%	0.202%
70	12.032	3395	3403	3416	rVB2	62775	105966	2.99%	0.199%
71	12.122	3420	3431	3436	rBV	130412	209335	5.90%	0.393%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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	12.154	3437	3441	3452	rVB	117659	152759	4.31%	0.286%
73	12.228	3455	3464	3472	rBV2	183072	271942	7.67%	0.510%
74	12.331	3486	3496	3525	rVB2	146218	334724	9.44%	0.628%
75	12.530	3548	3558	3567	rBV2	69760	112855	3.18%	0.212%
76	12.595	3571	3578	3582	rVV3	40477	60208	1.70%	0.113%
77	12.627	3582	3588	3596	rVV	129946	193669	5.46%	0.363%
78	12.681	3596	3605	3623	rVB	219022	346565	9.77%	0.650%
79	12.768	3624	3632	3637	rBV9	17459	28150	0.79%	0.053%
80	12.942	3677	3686	3702	rVB	146560	224423	6.33%	0.421%
81	13.099	3719	3735	3747	rBV2	375744	622577	17.55%	1.168%
82	13.167	3751	3756	3765	rVB8	33756	53372	1.50%	0.100%
83	13.218	3765	3772	3778	rBV2	11824	16451	0.46%	0.031%
84	13.267	3779	3787	3809	rVB4	89016	168945	4.76%	0.317%
85	13.376	3813	3821	3830	rBV6	55518	94688	2.67%	0.178%
86	13.434	3832	3839	3847	rVB2	37389	53954	1.52%	0.101%
87	13.488	3847	3856	3862	rBV4	55922	91389	2.58%	0.171%
88	13.588	3881	3887	3905	rVB3	46333	103403	2.92%	0.194%
89	13.720	3914	3928	3952	rBV	884784	1486105	41.90%	2.787%
90	13.839	3957	3965	3982	rVV	52818	104784	2.95%	0.197%
91	13.926	3982	3992	4006	rVV	33329	79487	2.24%	0.149%
92	13.990	4008	4012	4022	rVB6	17293	26366	0.74%	0.049%
93	14.131	4048	4056	4071	rVB2	39421	68218	1.92%	0.128%
94	14.315	4103	4113	4125	rBV6	35662	80905	2.28%	0.152%
95	14.456	4148	4157	4166	rBV5	15303	27847	0.79%	0.052%
96	14.517	4169	4176	4190	rVB5	33743	58477	1.65%	0.110%
97	14.662	4215	4221	4229	rVB8	15012	21354	0.60%	0.040%
98	14.855	4271	4281	4298	rBV	262938	465410	13.12%	0.873%
99	15.041	4327	4339	4354	rBV	209515	367099	10.35%	0.688%
100	16.045	4642	4651	4658	rBV5	18775	32986	0.93%	0.062%

Sum of corrected areas: 53321551

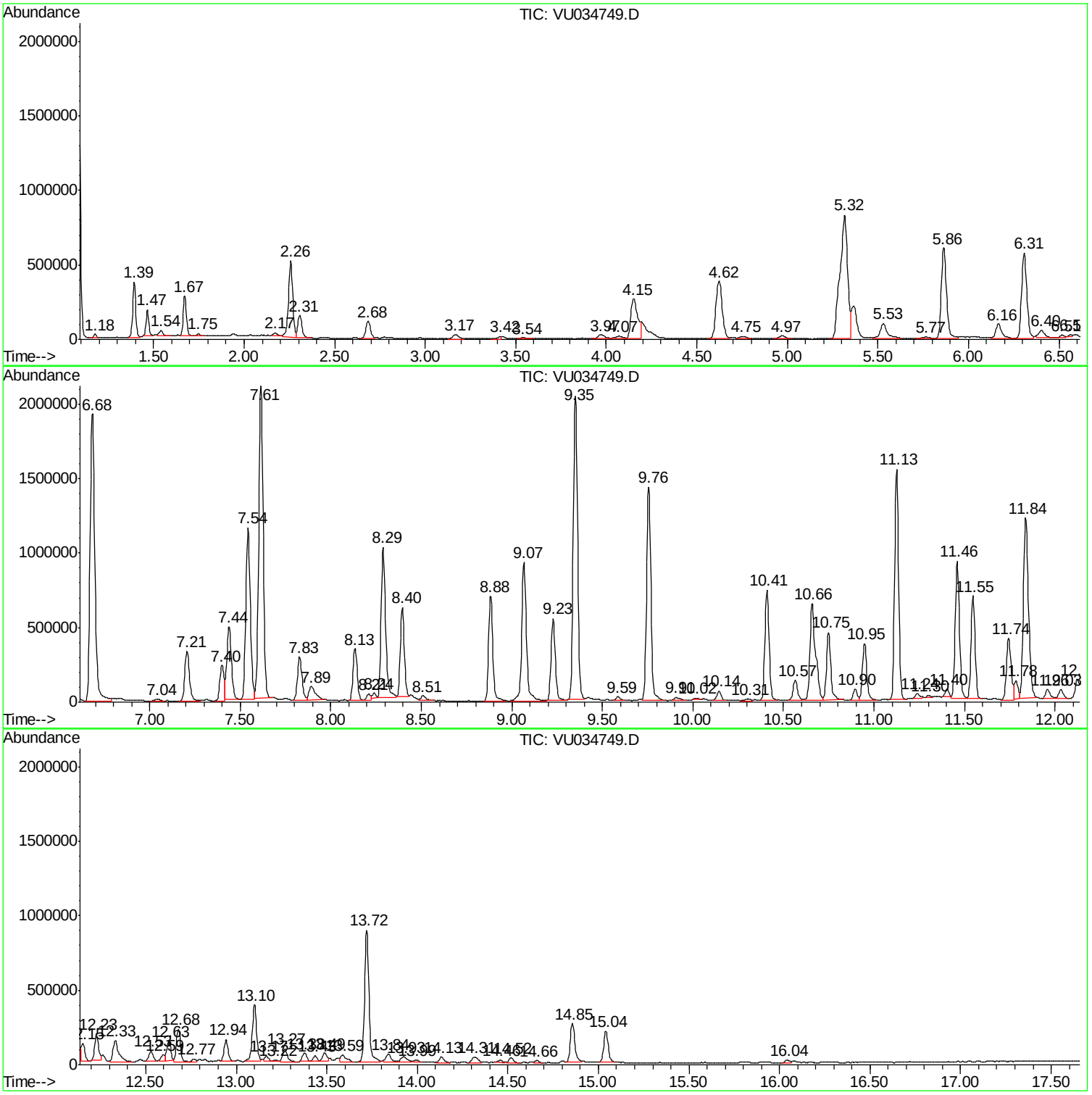
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

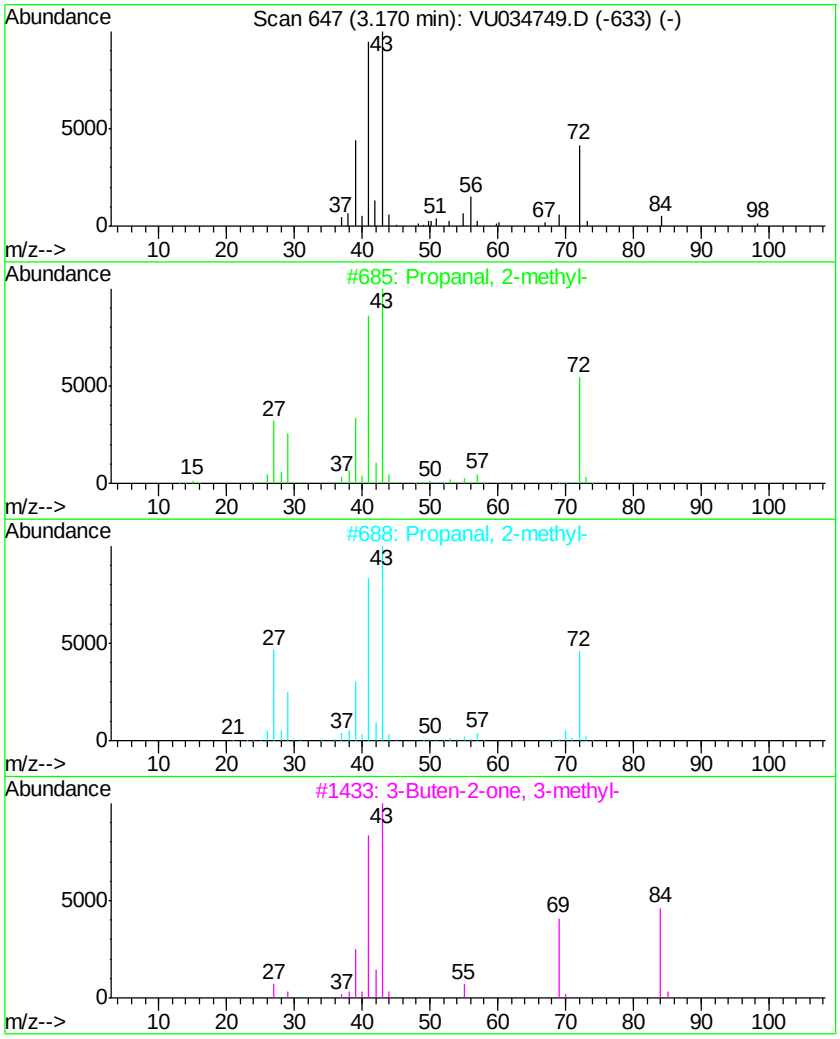
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

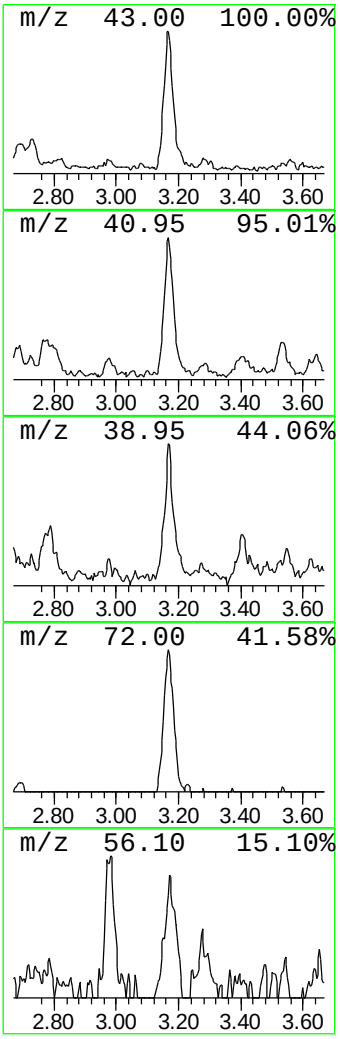
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	2.76 ug/L	67668	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	80
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	50
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	38
5	5,9-Dodecadien-2-one, 6,10-dimet...	208	C14H24O	1000132-10-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

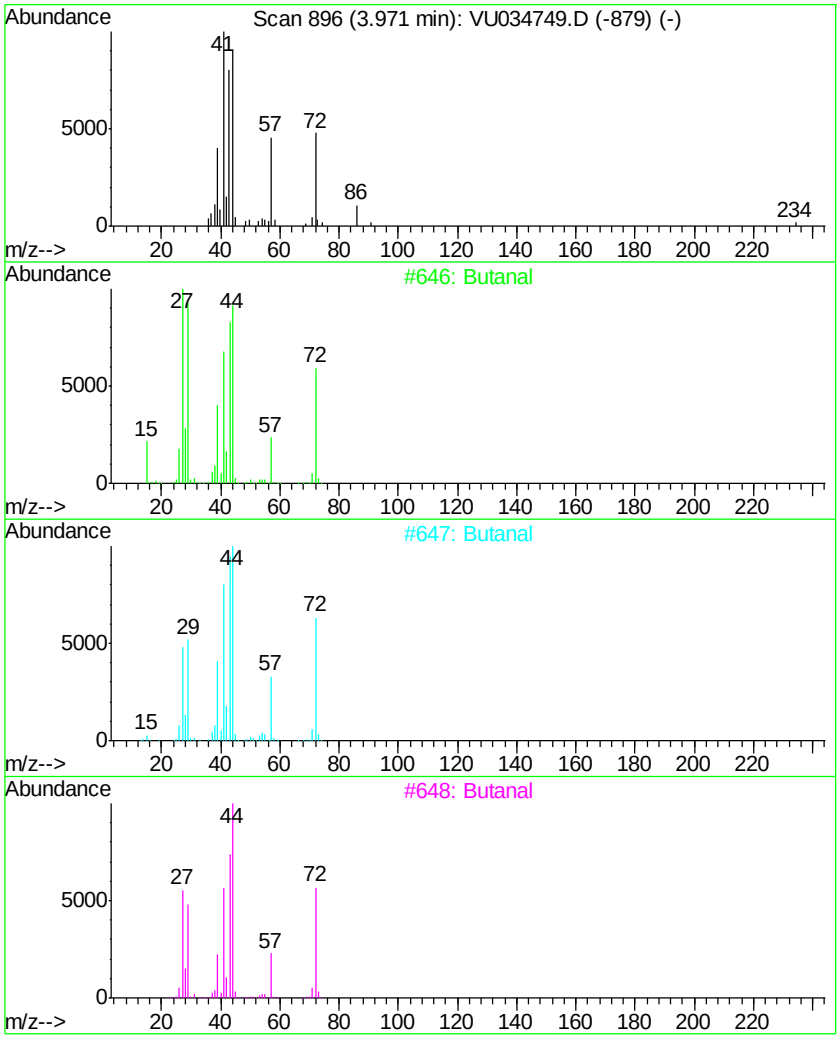
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

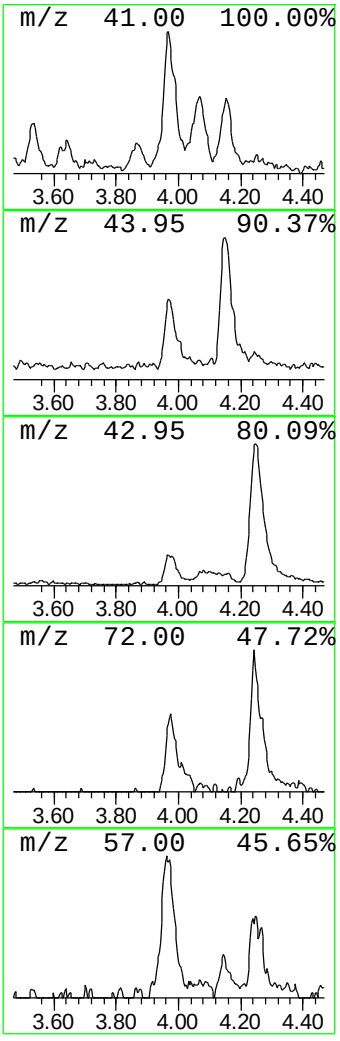
****

Peak Number 3 Butanal Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.97	3.07 ug/L	75164	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	87
2	Butanal	72	C4H8O	000123-72-8	83
3	Butanal	72	C4H8O	000123-72-8	58
4	Butanal	72	C4H8O	000123-72-8	53
5	Propane	44	C3H8	000074-98-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

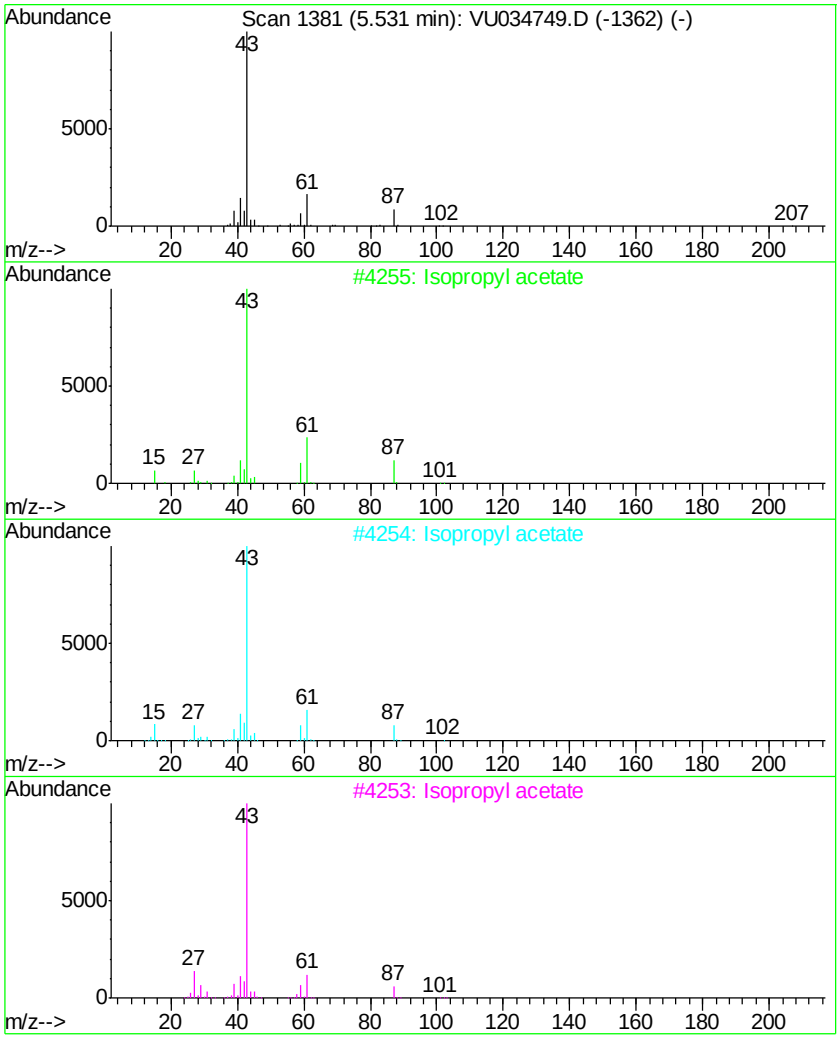
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

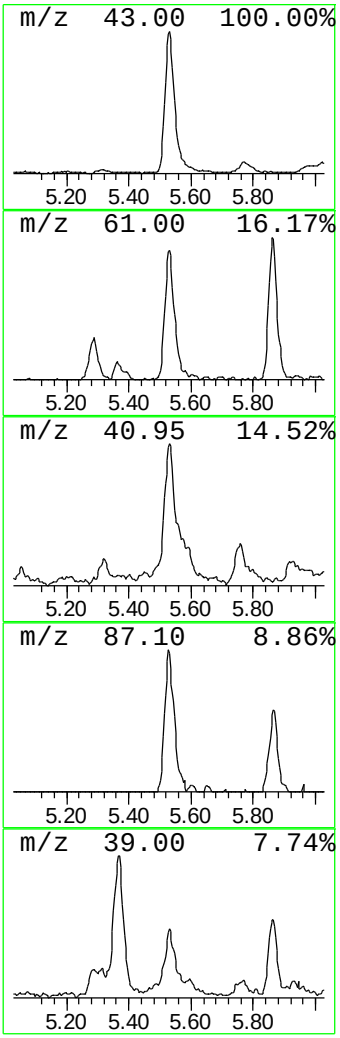
****

Peak Number 4 Isopropyl acetate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.53	10.57 ug/L	258846	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	Acetaldehyde, O-ethyloxime-	87	C4H9NO	1000288-34-6	9
5	Isopropyl acetate	102	C5H10O2	000108-21-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

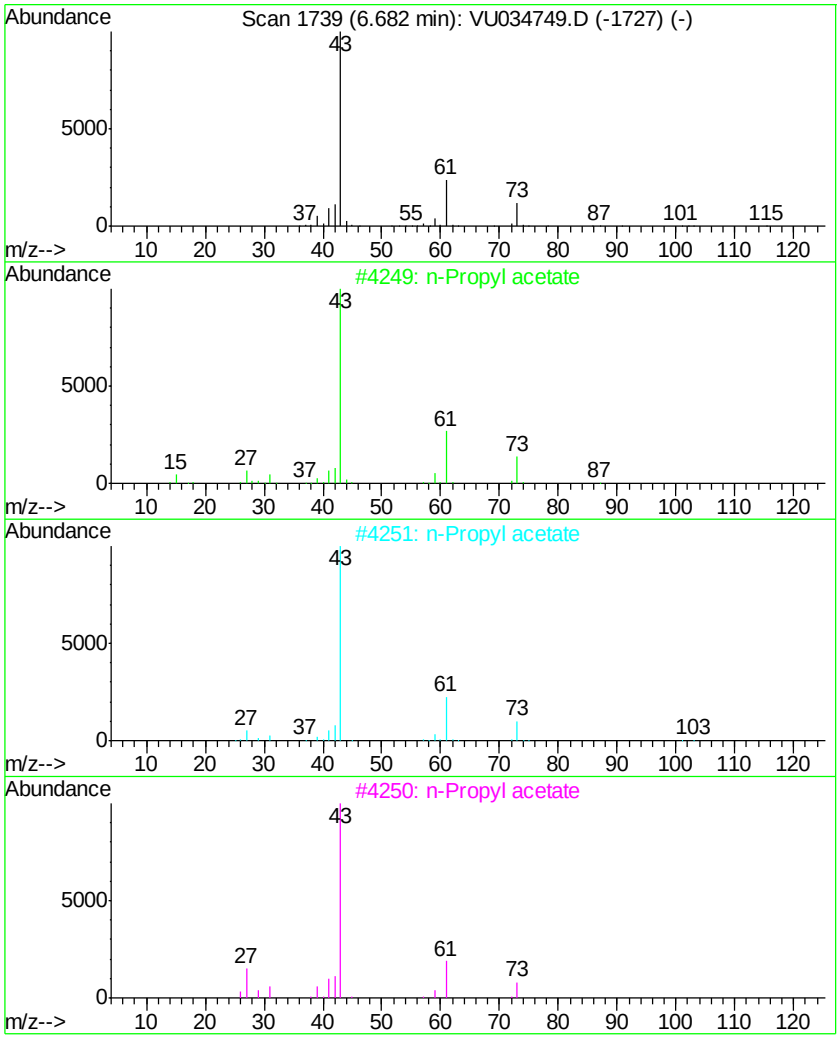
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

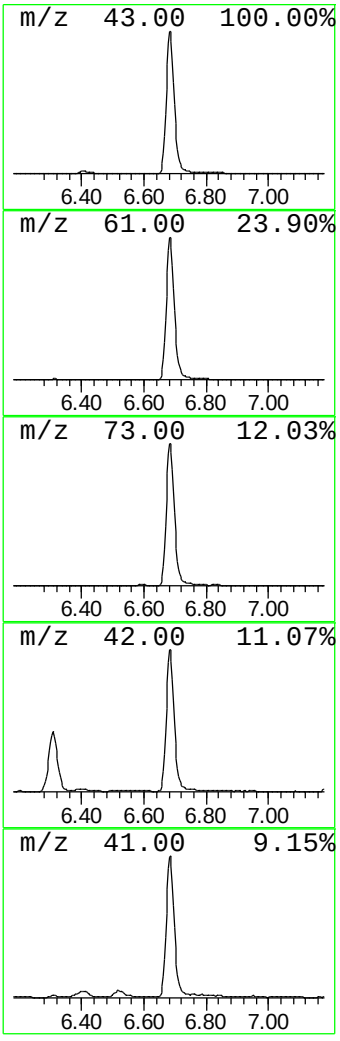
****

Peak Number 5 n-Propyl acetate Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	143.16 ug/L	3506070	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	78
4	Isobutylamine	73	C4H11N	000078-81-9	7
5	1-Butanamine	73	C4H11N	000109-73-9	7





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

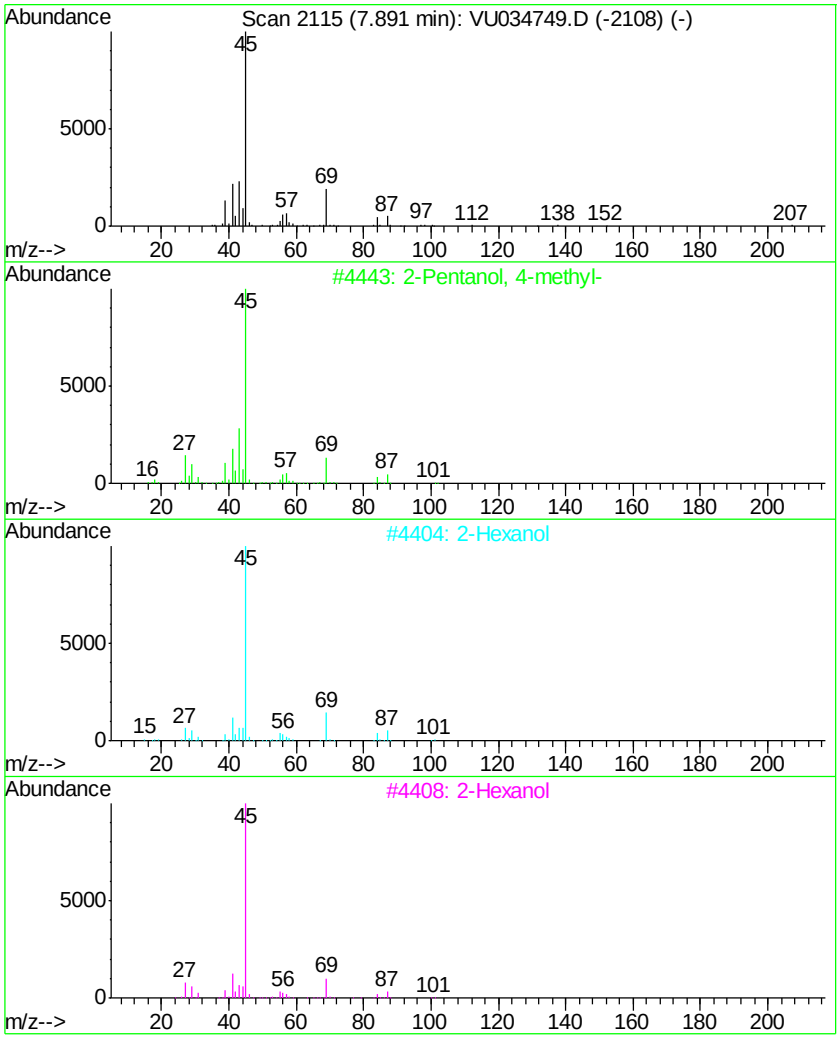
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

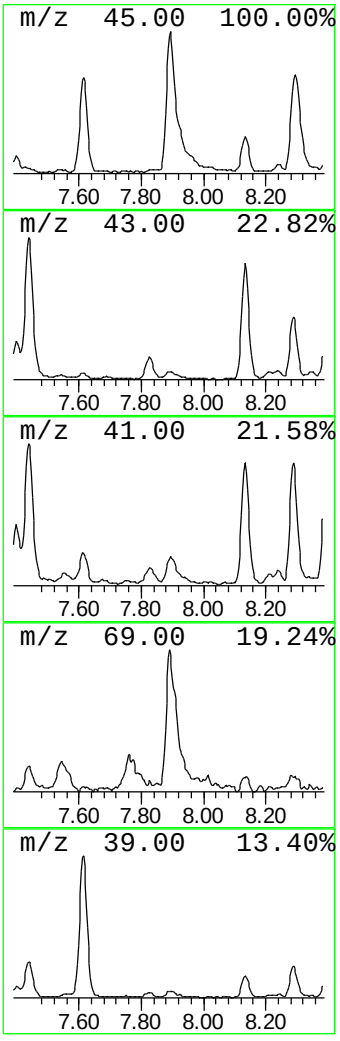
****

Peak Number 7 2-Pentanol, 4-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	6.68 ug/L	221173	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Hexanol	102	C6H14O	000626-93-7	83
4	2-Hexanol, (R)-	102	C6H14O	026549-24-6	78
5	2-Octanol	130	C8H18O	000123-96-6	78





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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

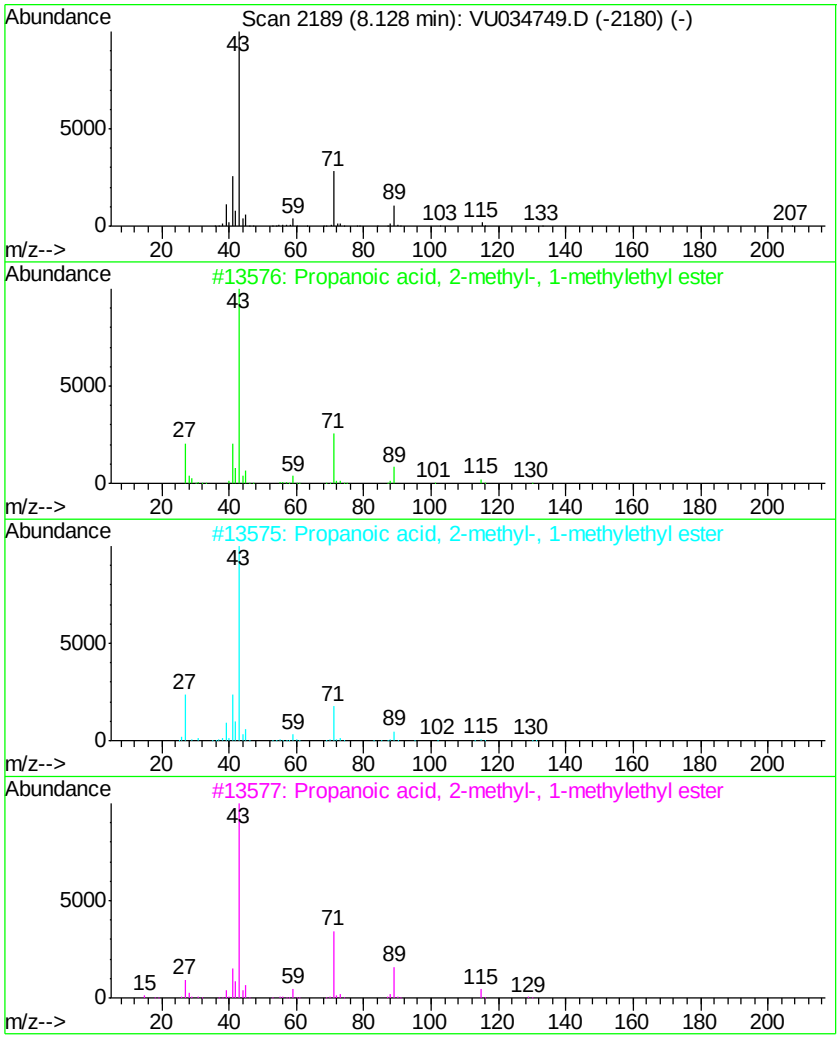
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

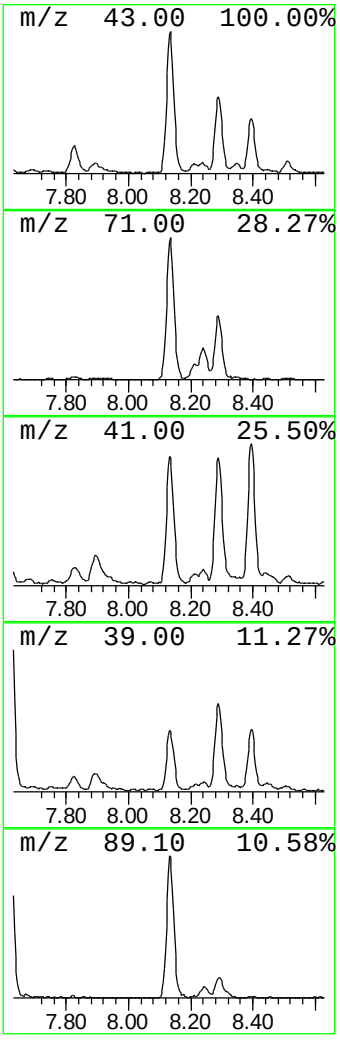
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Propanoic acid, 2-methyl-, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	17.30 ug/L	572836	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	59
3	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	59
4	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	40
5	Propanoic acid, 2-methyl-, penty...	158	C9H18O2	002445-72-9	38





Library Search Compound Report

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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

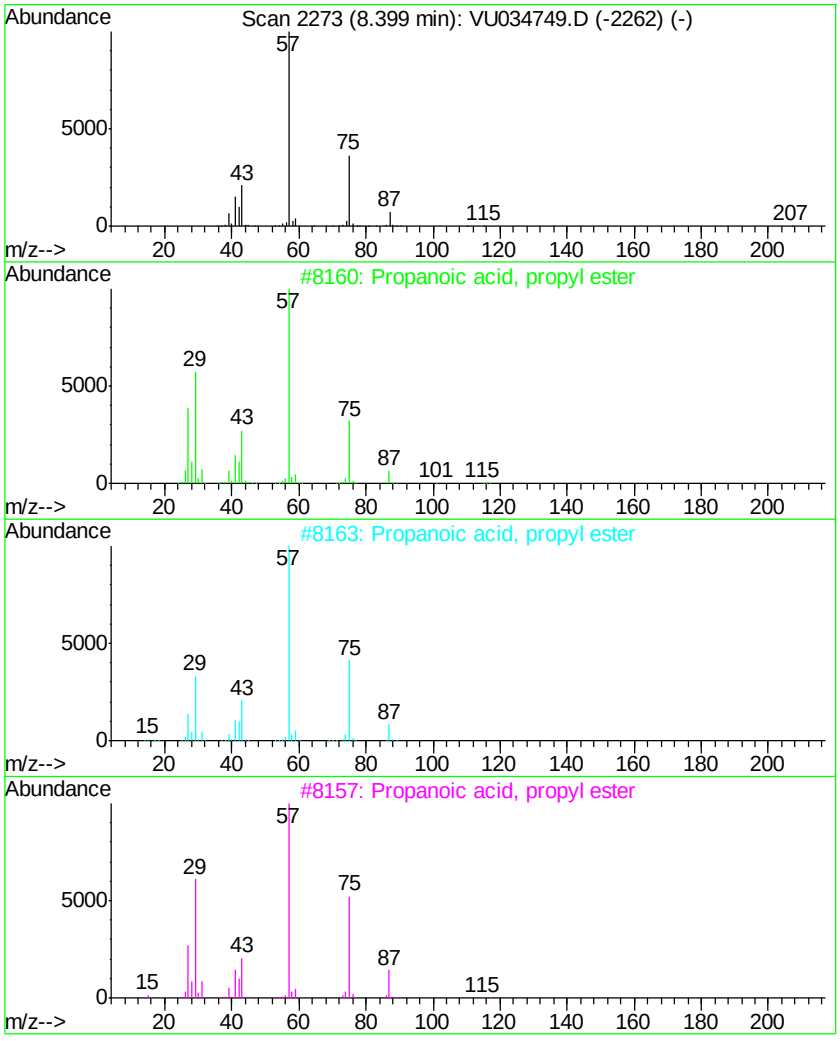
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

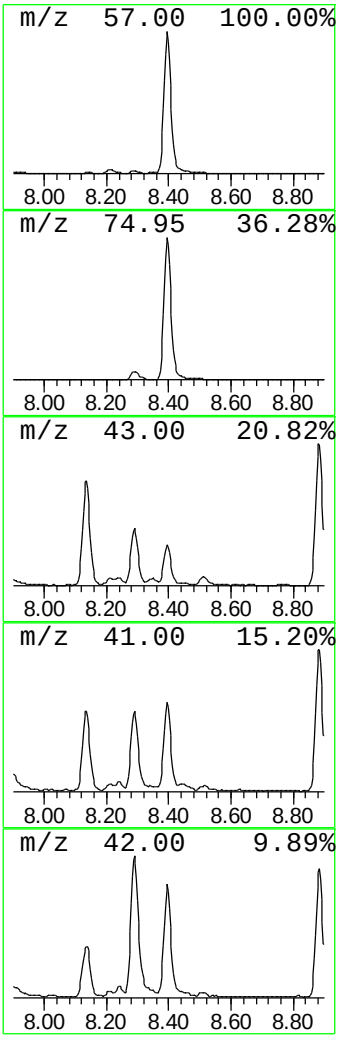
****

Peak Number 9 Propanoic acid, propyl ester Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.40	27.47 ug/L	909753	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	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	36





Library Search Compound Report

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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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Quant Title : VOC Analysis

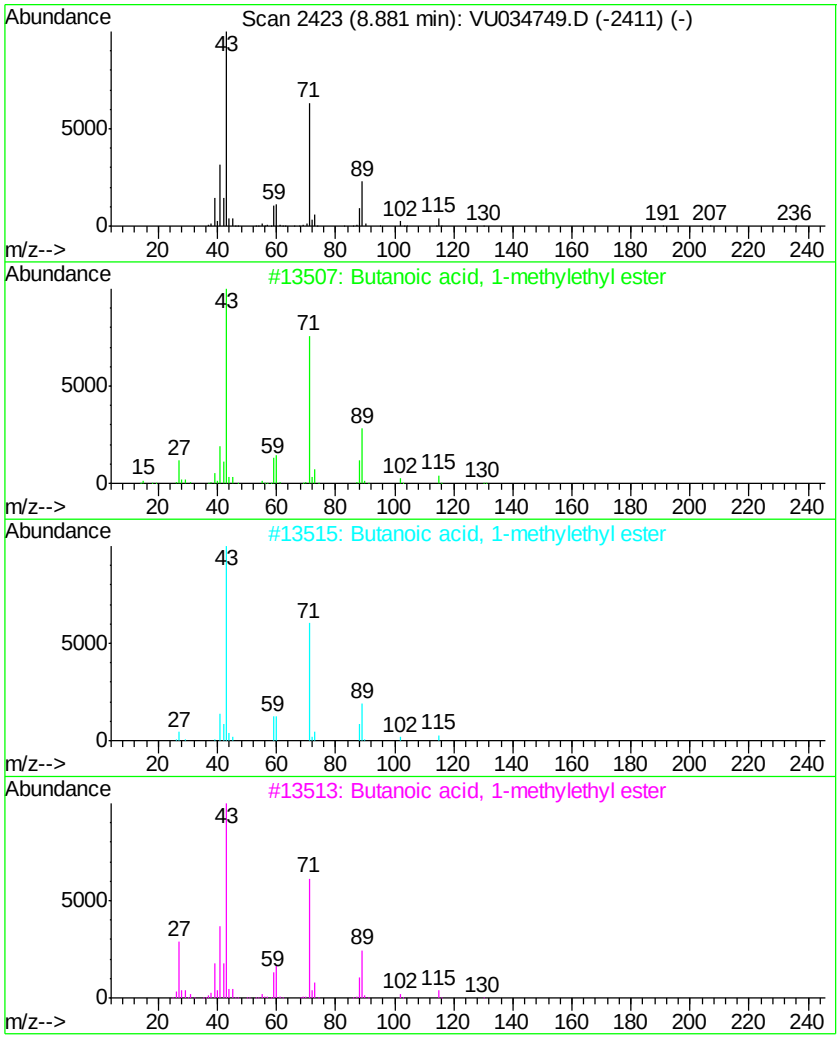
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

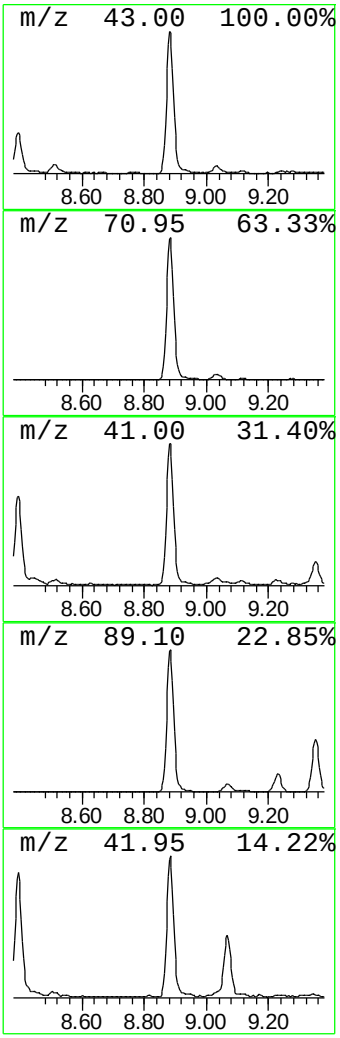
****

Peak Number 10 Butanoic acid, 1-methylethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	34.65 ug/L	1147530	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	95
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-, 1-met...	130	C7H14O2	000617-50-5	72





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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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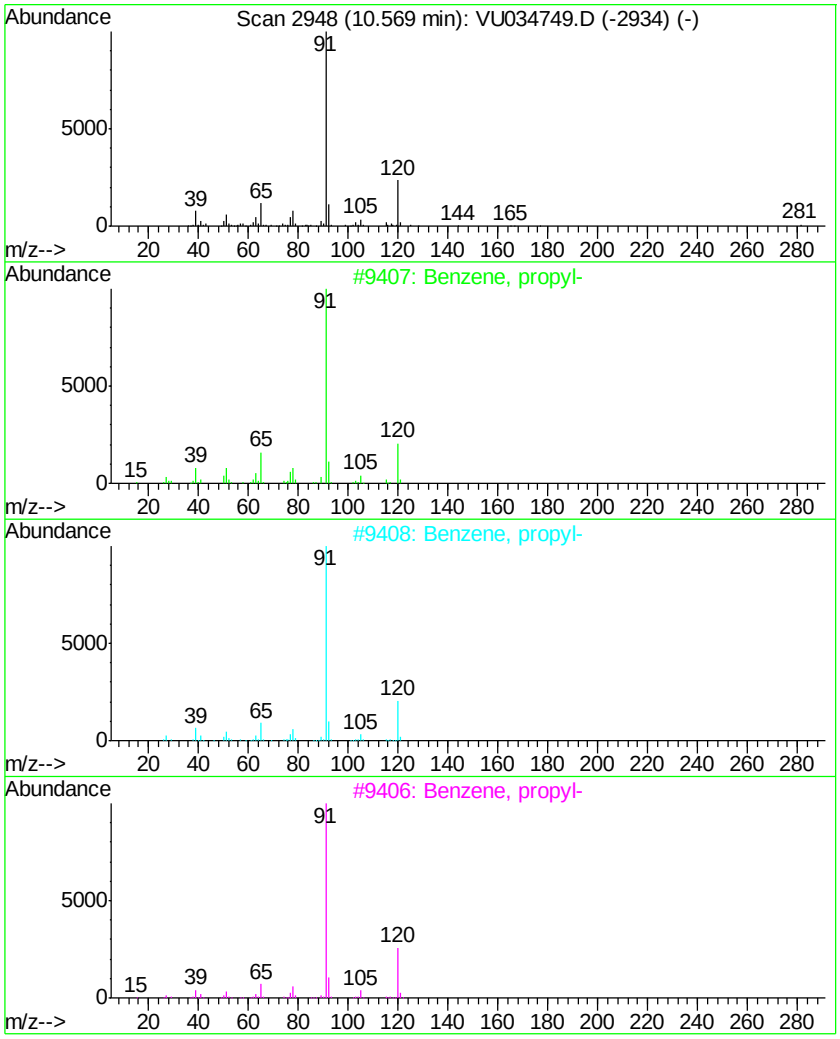
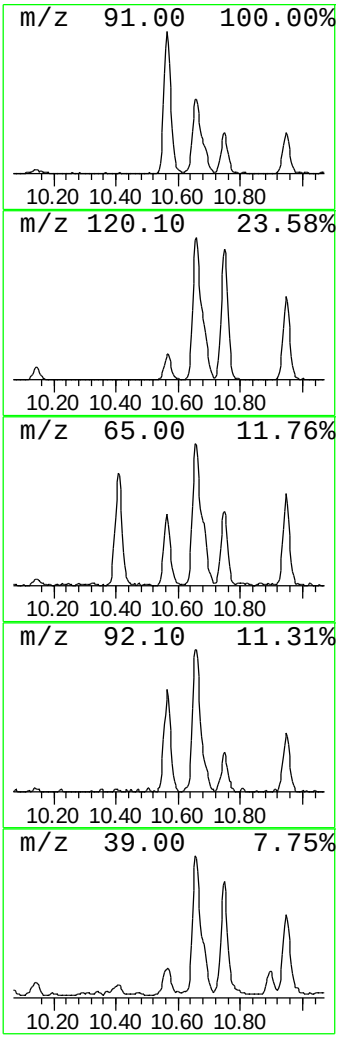
Peak Number 11 Benzene, propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	7.94 ug/L	236241	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	64
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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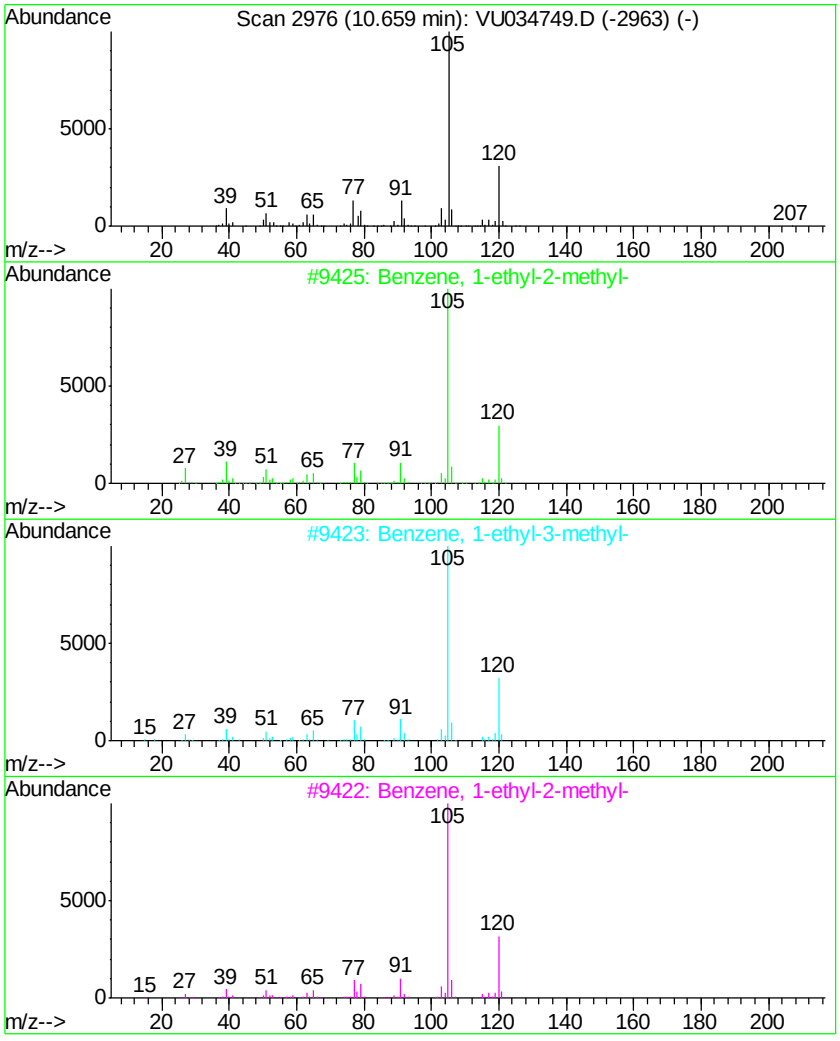
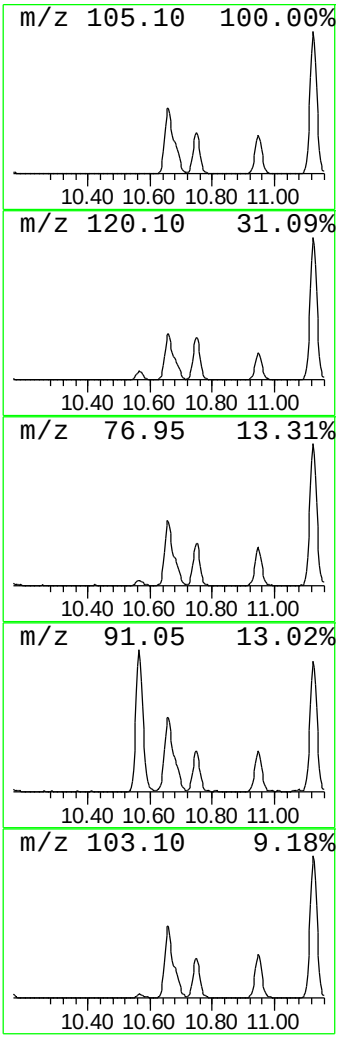
Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	46.00 ug/L	1368270	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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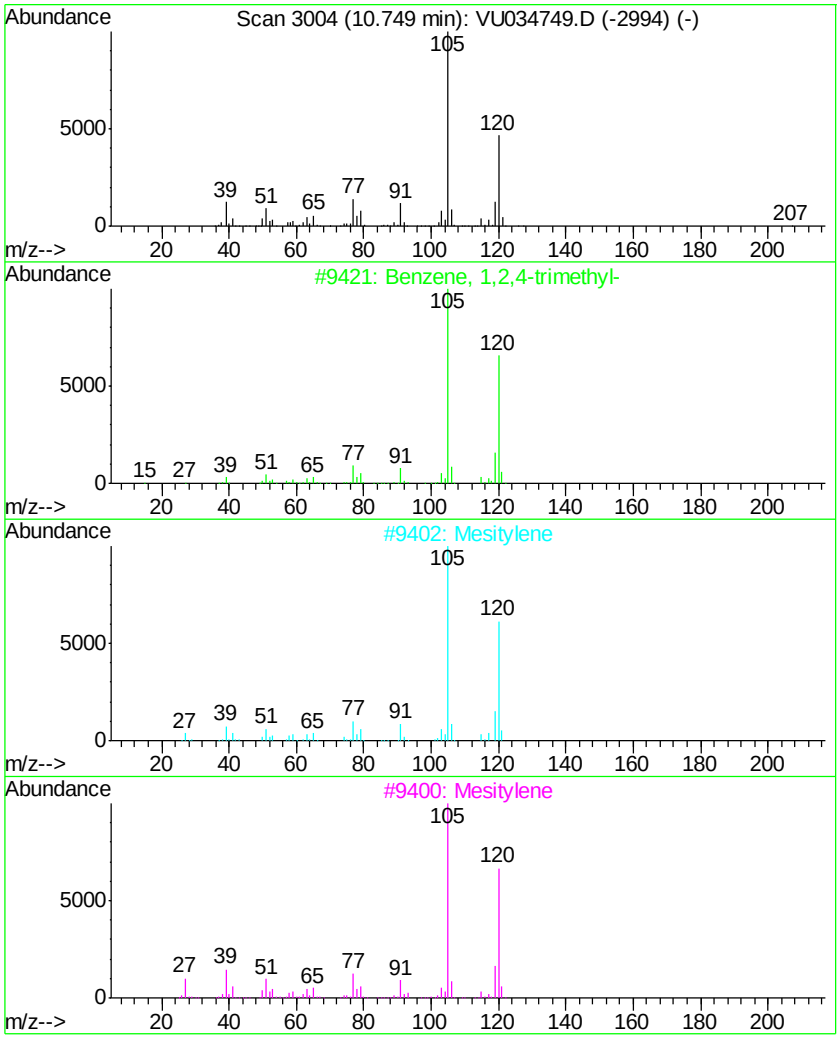
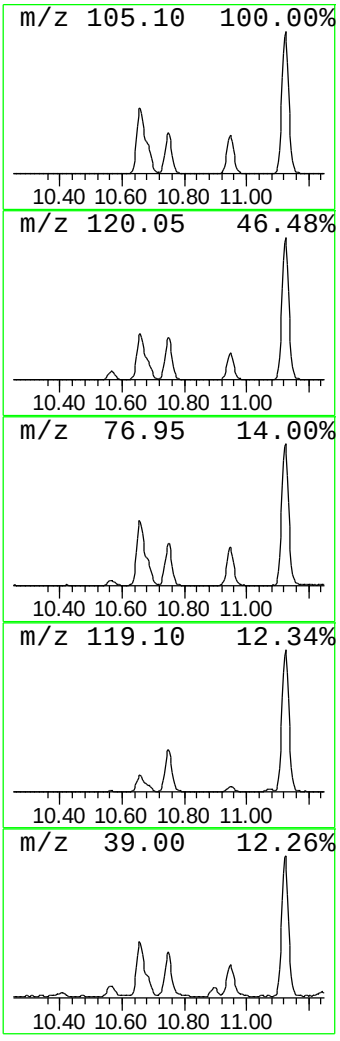
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	25.06 ug/L	745457	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	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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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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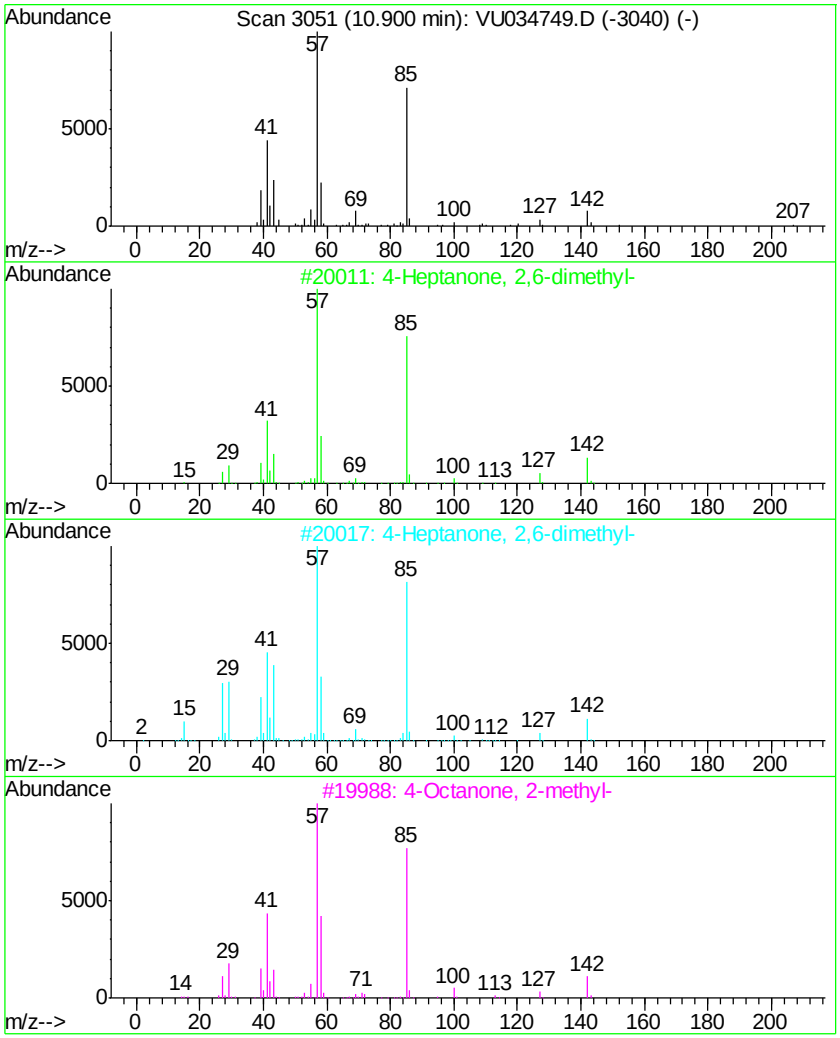
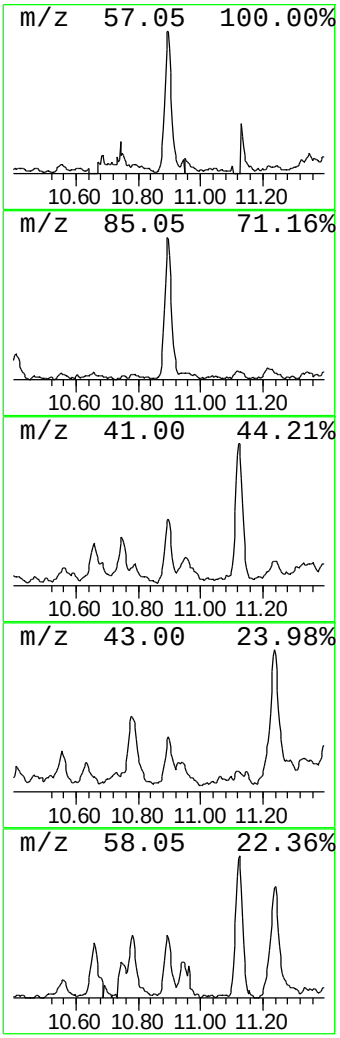
Peak Number 14 4-Heptanone, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.98 ug/L	118281	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	83
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	80
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	72
4	t-Butyl isobutyl ketone	142	C9H18O	014705-50-1	59
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	59





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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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Quant Title : VOC Analysis

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

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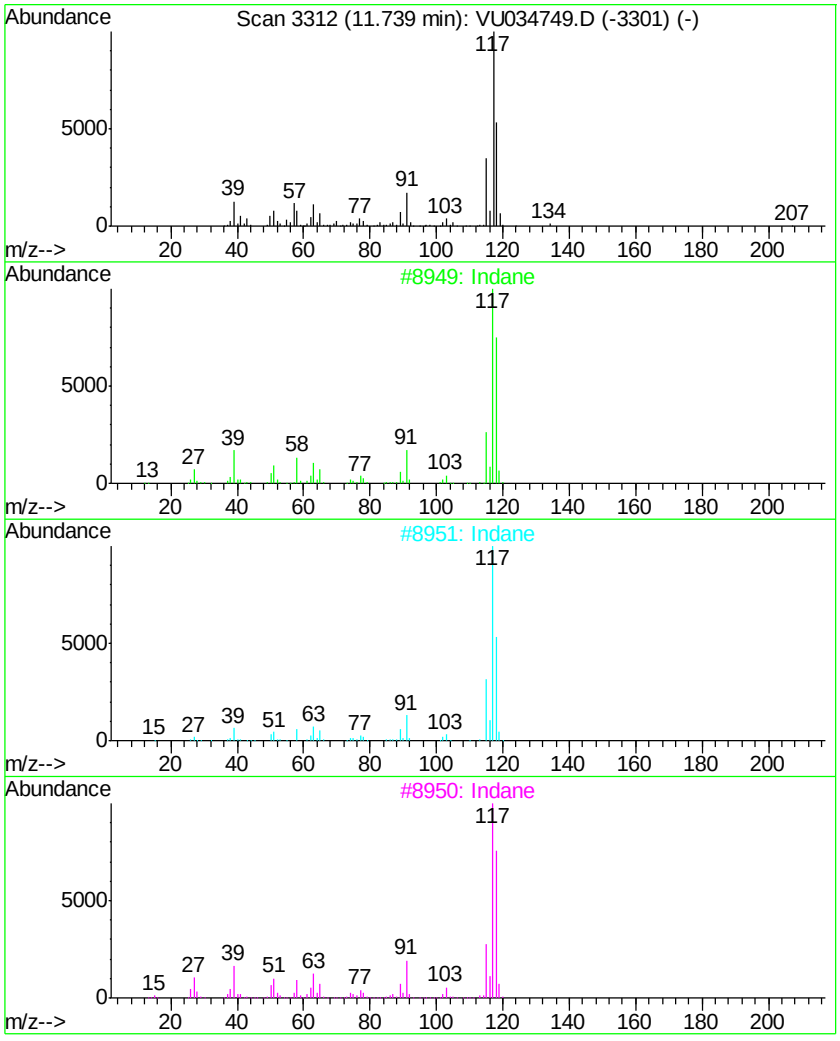
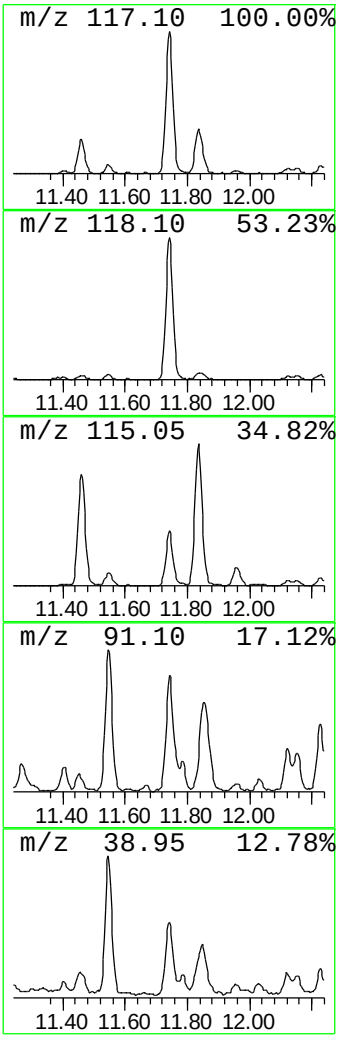
Peak Number 18 Indane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	25.09 ug/L	746326	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, 2-propenyl-	118	C9H10	000300-57-2	81
5	Indane	118	C9H10	000496-11-7	81





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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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Quant Title : VOC Analysis

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

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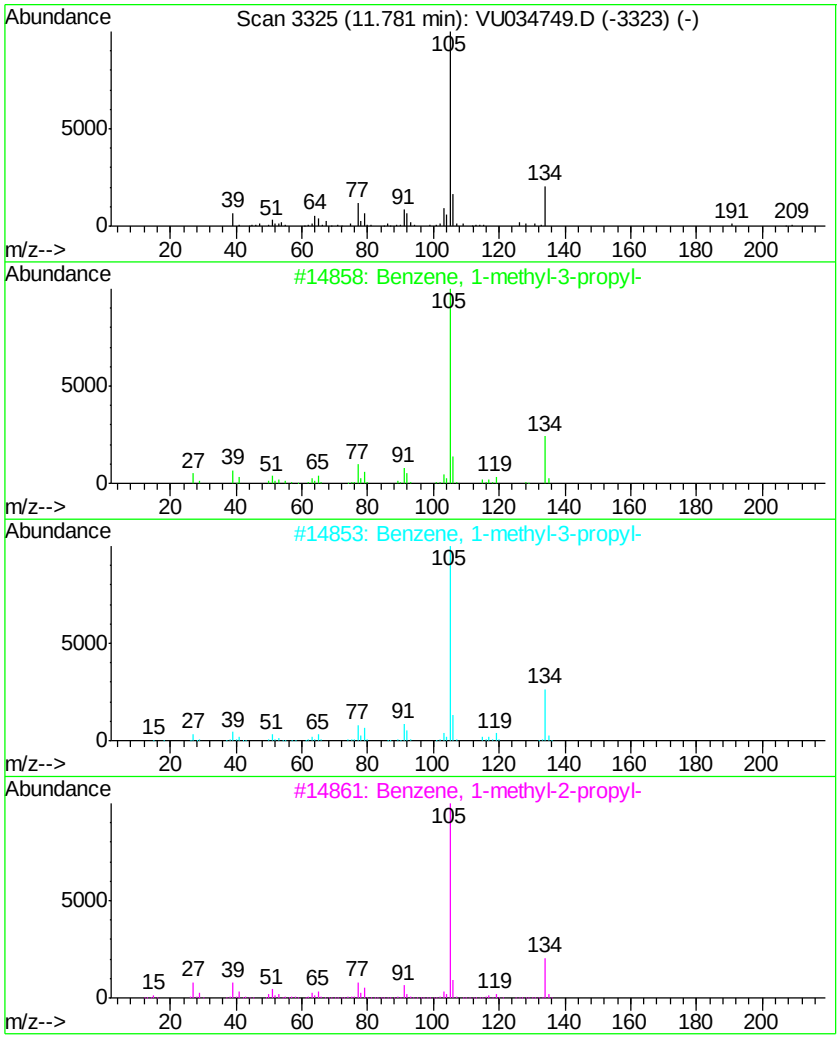
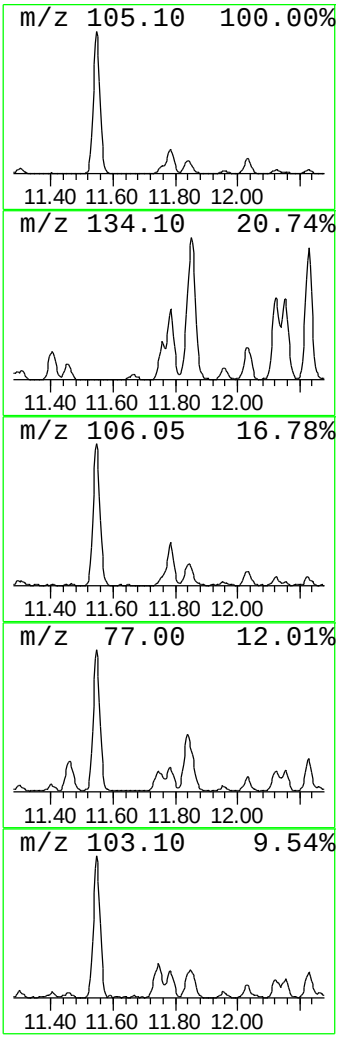
Peak Number 19 Benzene, 1-methyl-3-propyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	5.20 ug/L	154578	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	80
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	72





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Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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Quant Title : VOC Analysis

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

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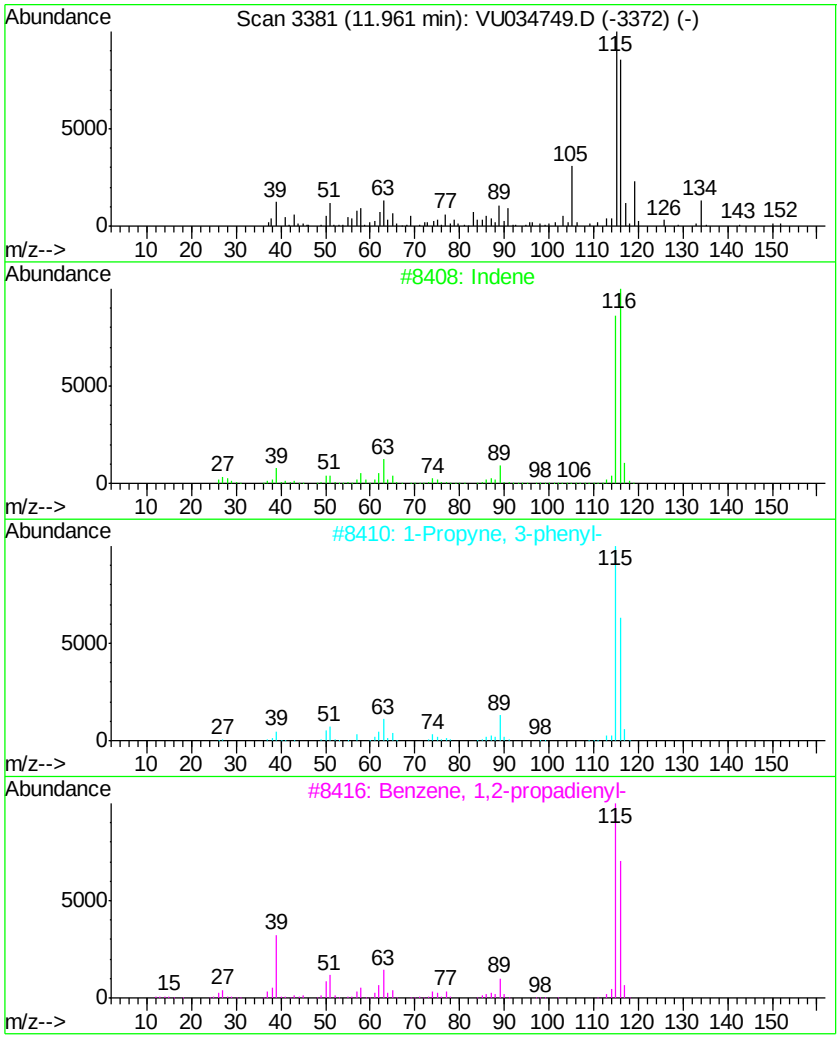
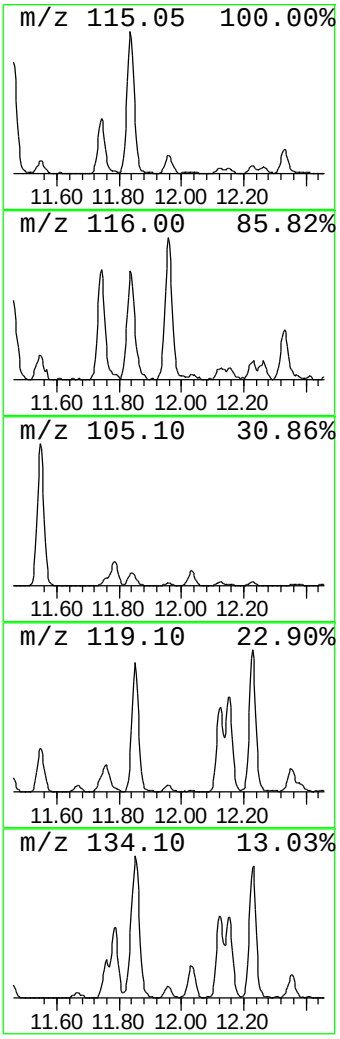
Peak Number 20 Indene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.61 ug/L	107461	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	93
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	93
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	76





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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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Quant Title : VOC Analysis

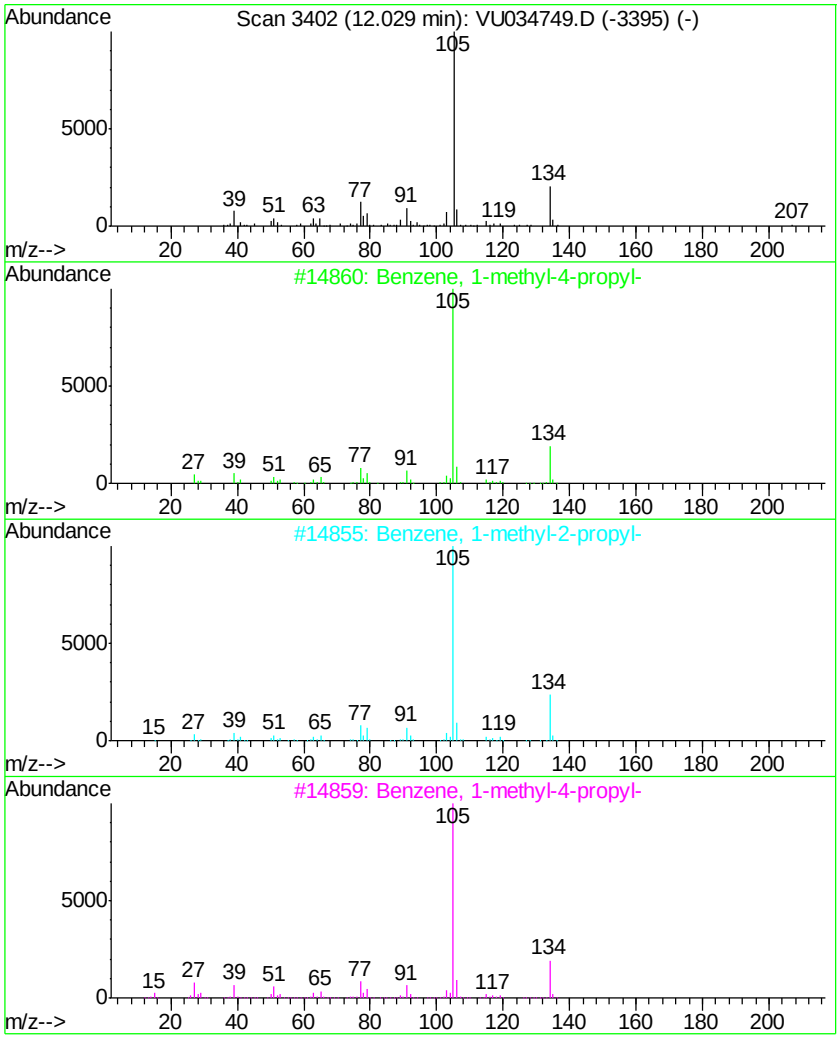
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

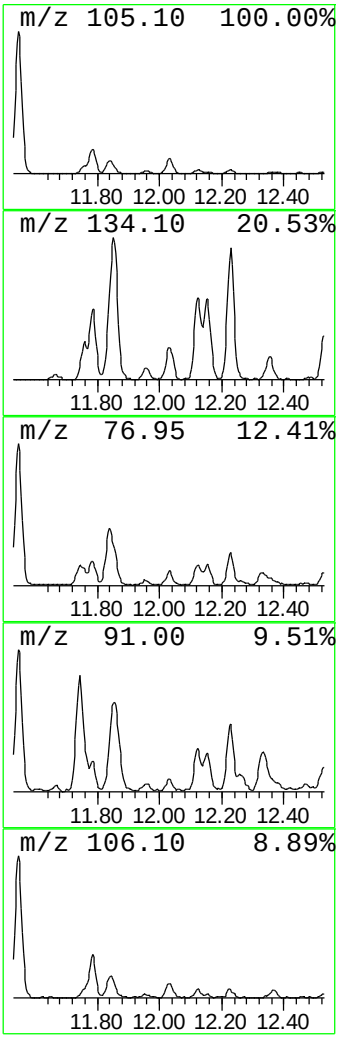
****

Peak Number 21 Benzene, 1-methyl-4-propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.56 ug/L	105966	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	90
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	83





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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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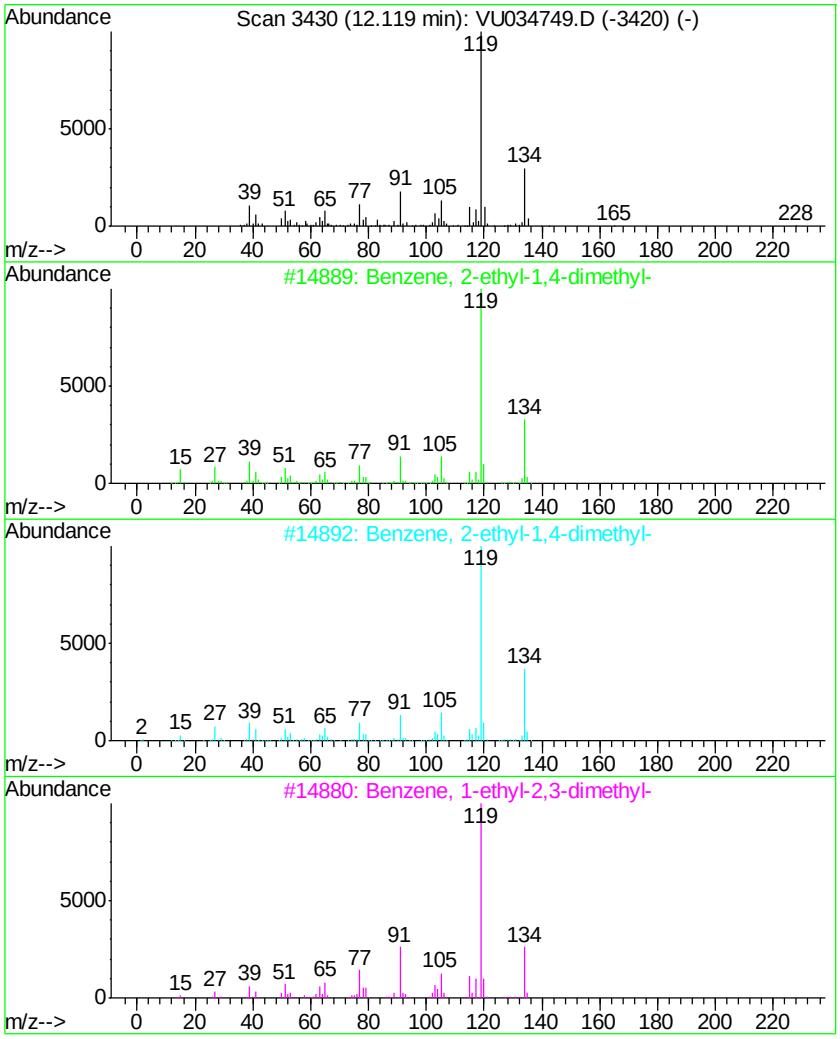
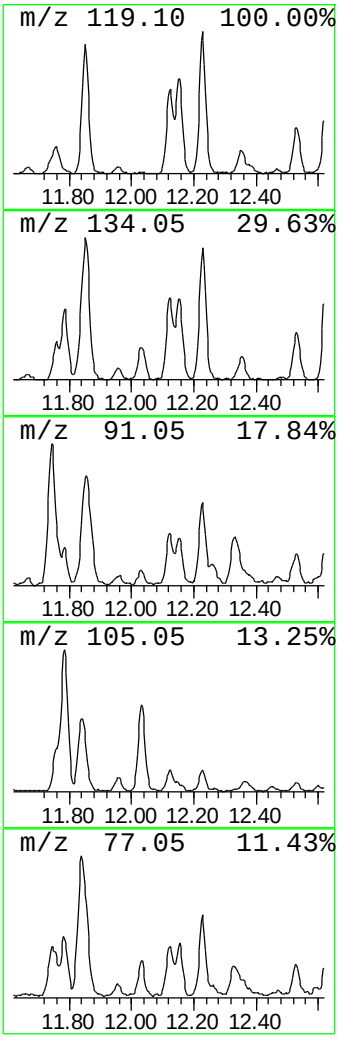
Peak Number 22 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.04 ug/L	209335	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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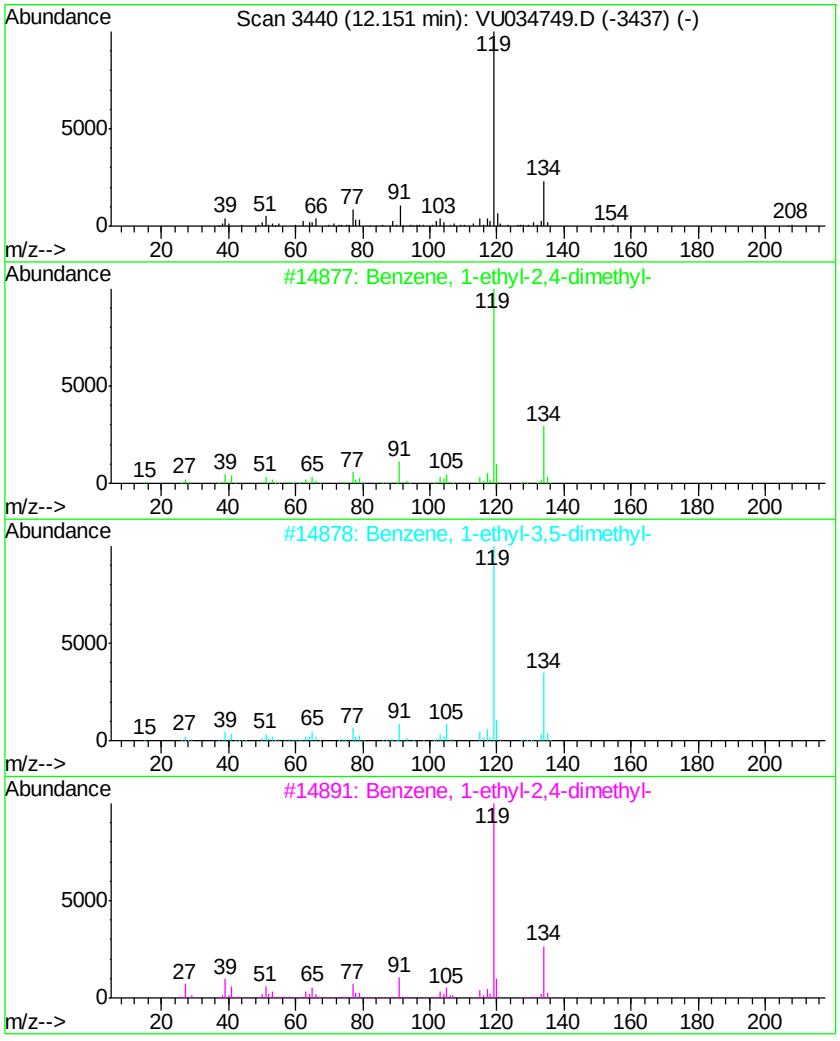
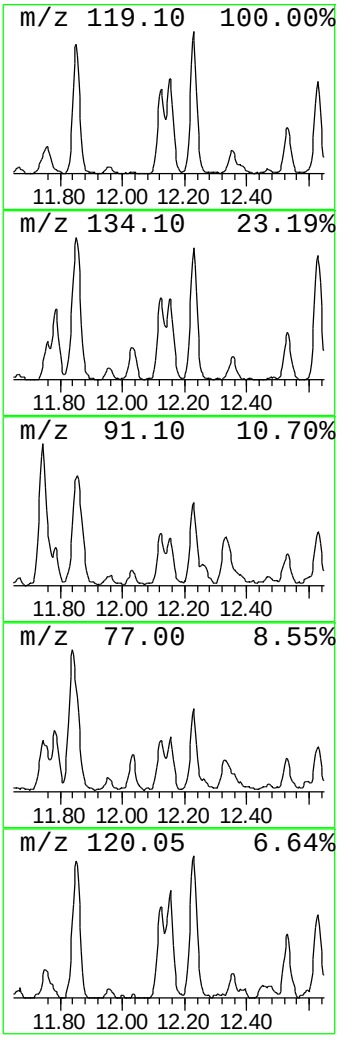
Peak Number 23 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	5.14 ug/L	152759	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83
4	Benzene, tert-butyl-	134	C10H14	000098-06-6	80
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	80





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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

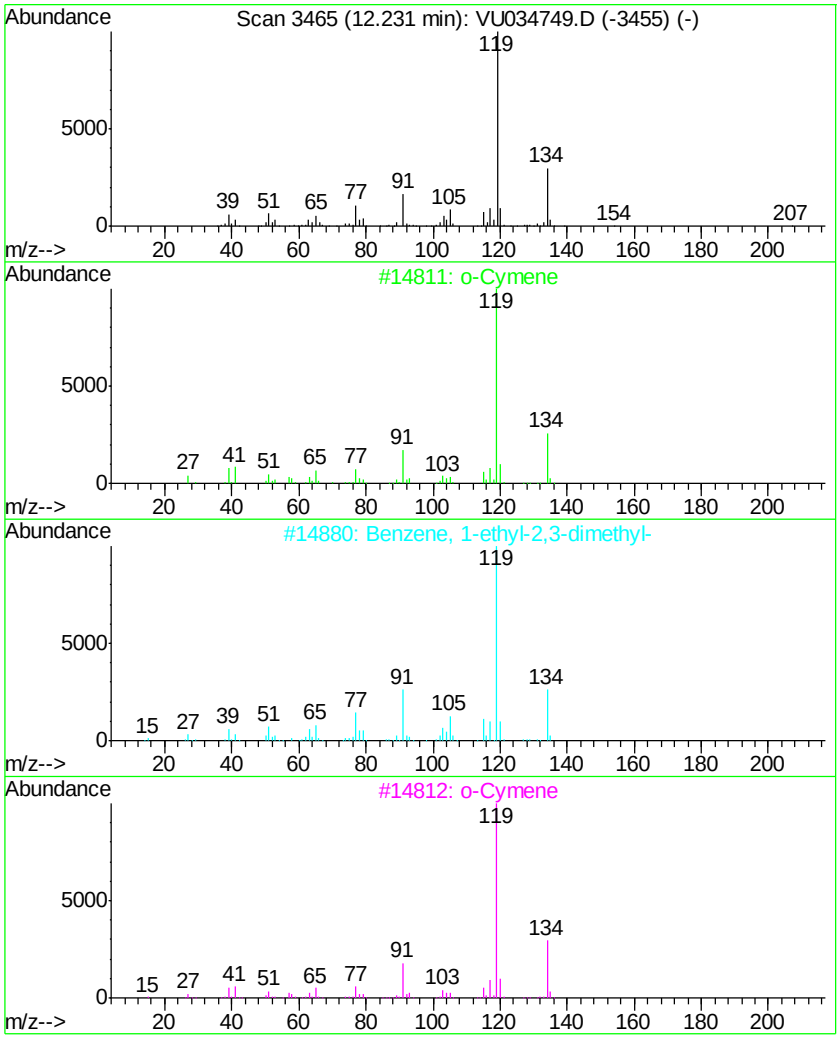
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

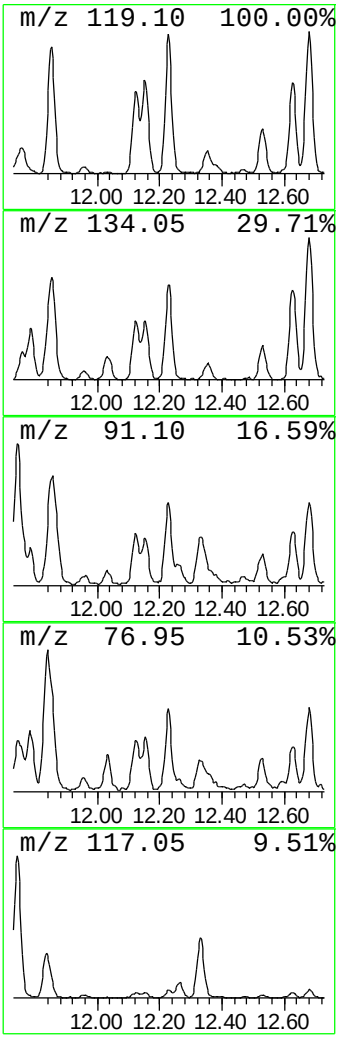
****

Peak Number 24 o-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	9.14 ug/L	271942	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	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	p-Cymene	134	C10H14	000099-87-6	94





Library Search Compound Report

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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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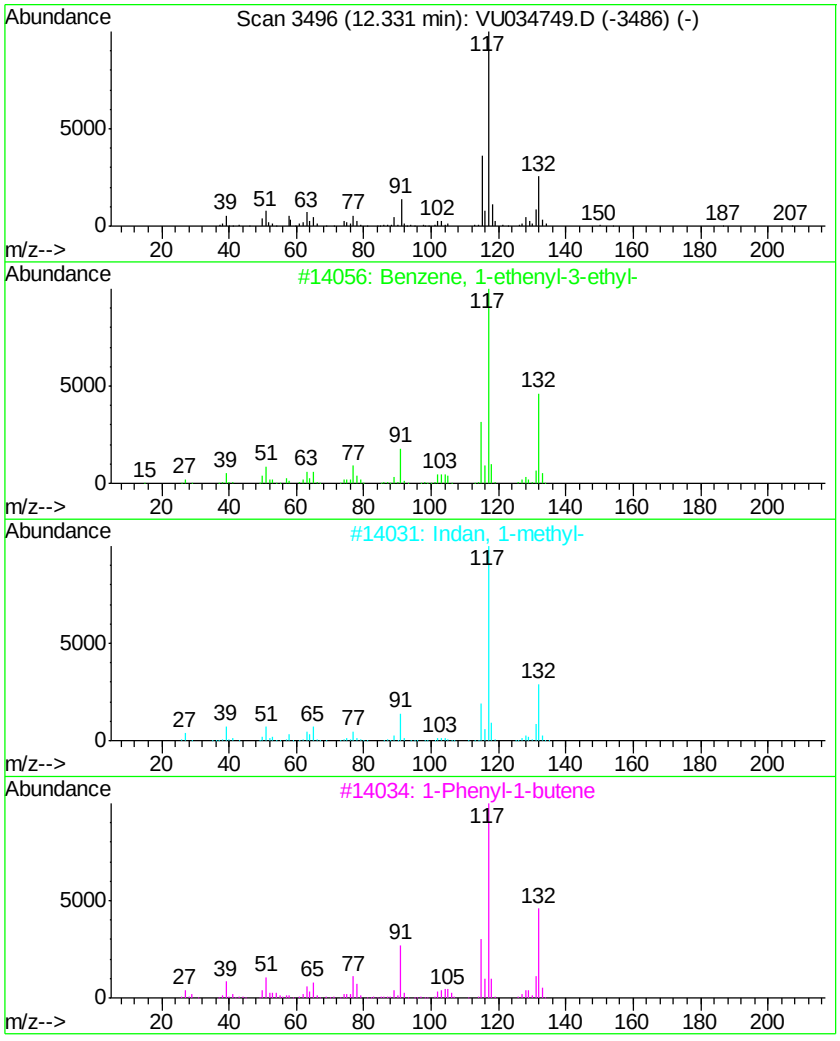
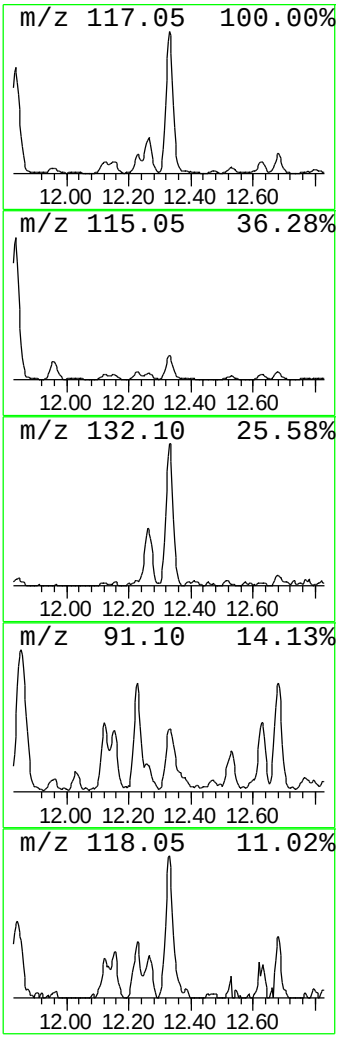
Peak Number 25 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	11.25 ug/L	334724	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	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Library Search Compound Report

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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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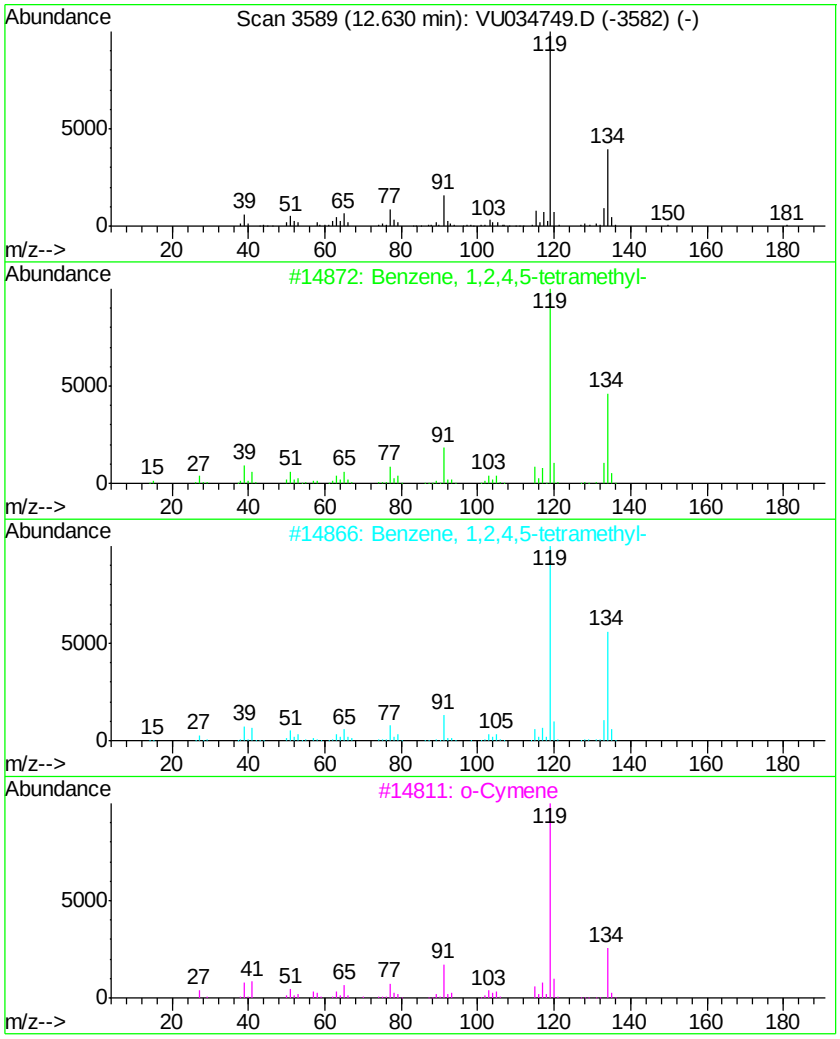
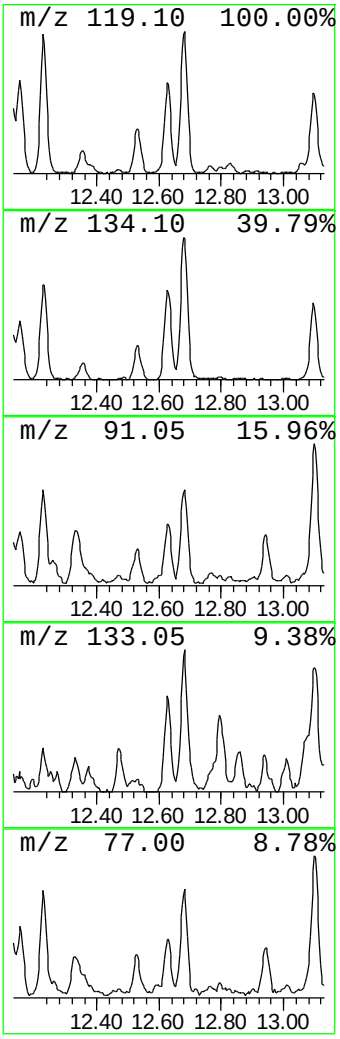
Peak Number 27 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	6.51 ug/L	193669	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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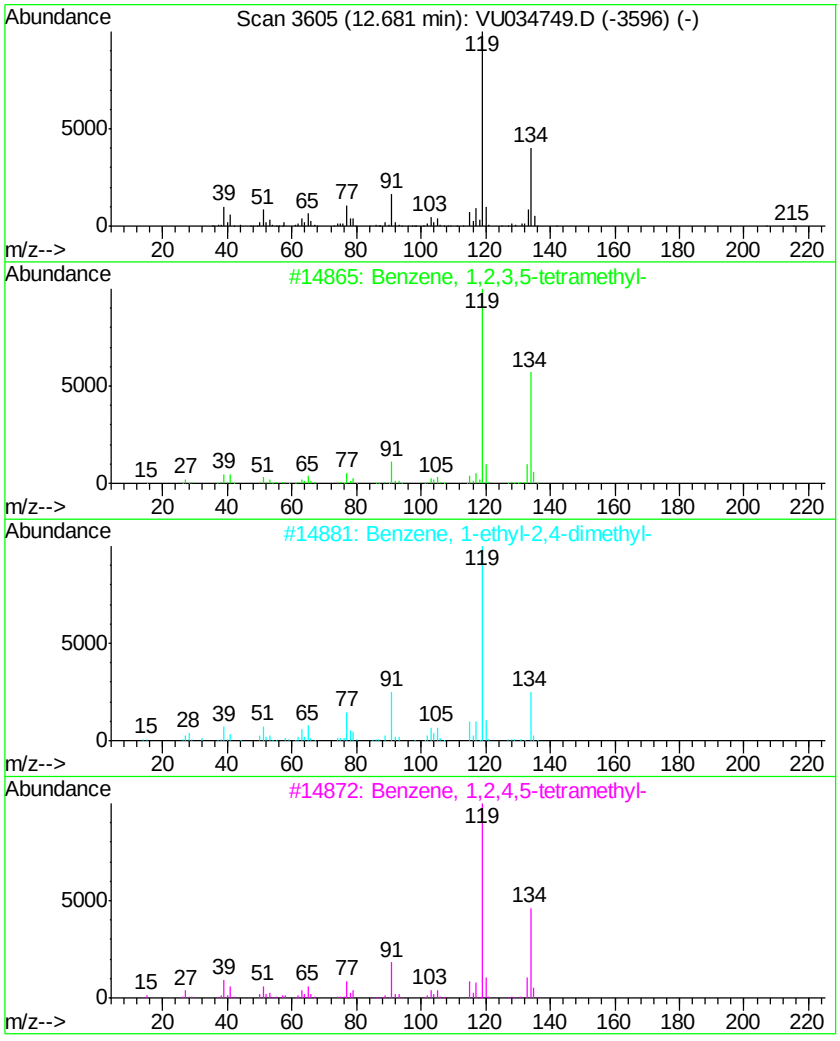
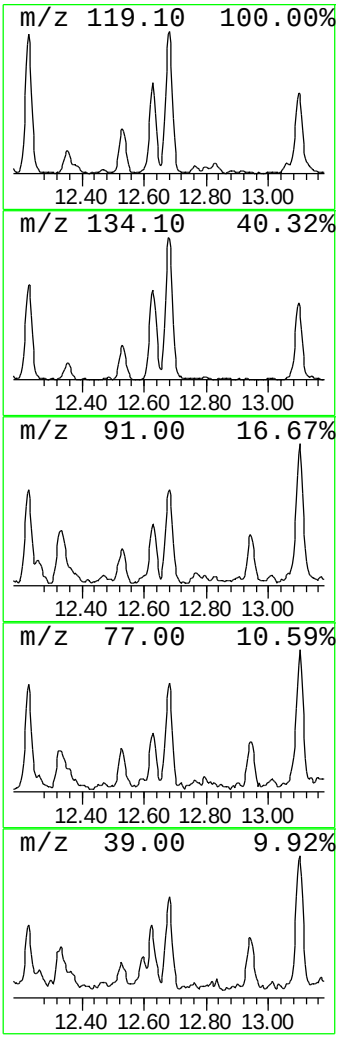
Peak Number 28 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	11.65 ug/L	346565	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	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	p-Cymene	134	C10H14	000099-87-6	95





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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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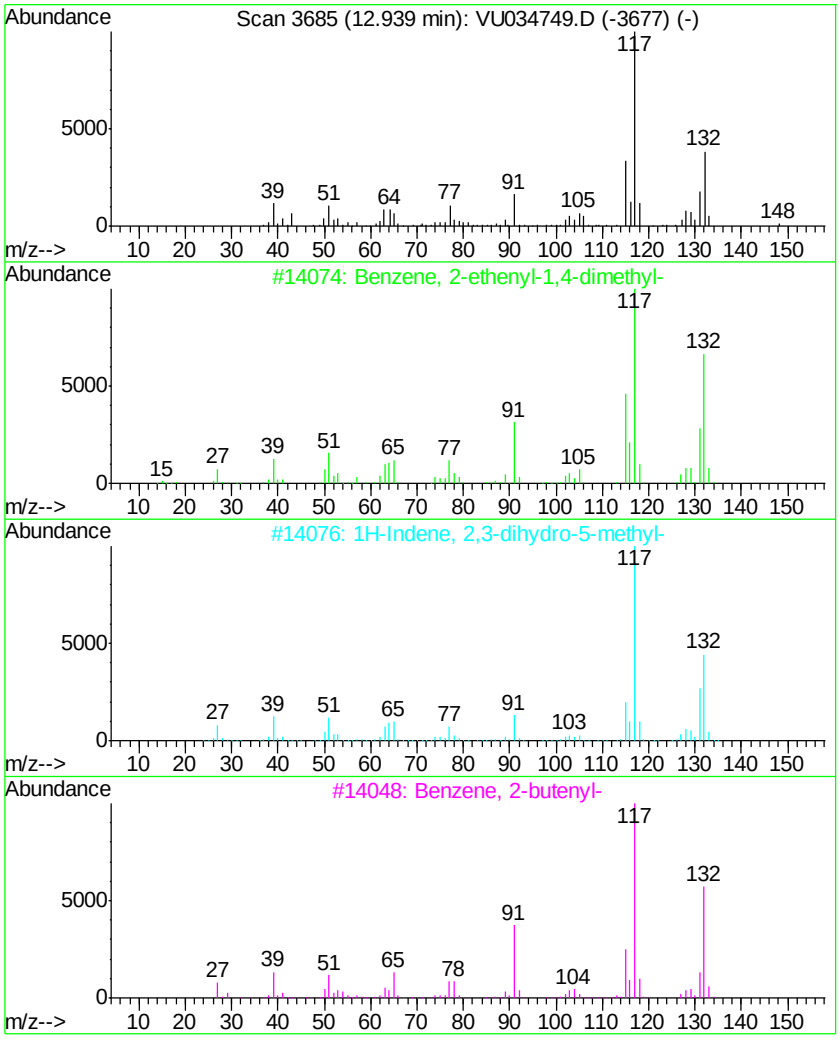
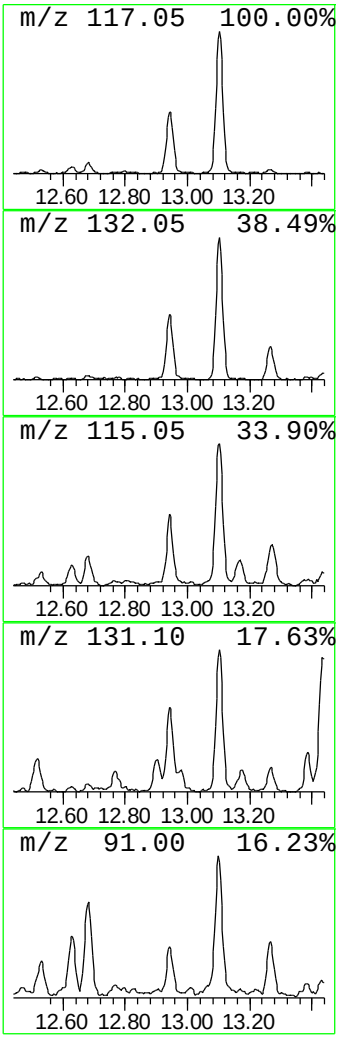
Peak Number 29 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	7.54 ug/L	224423	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-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





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Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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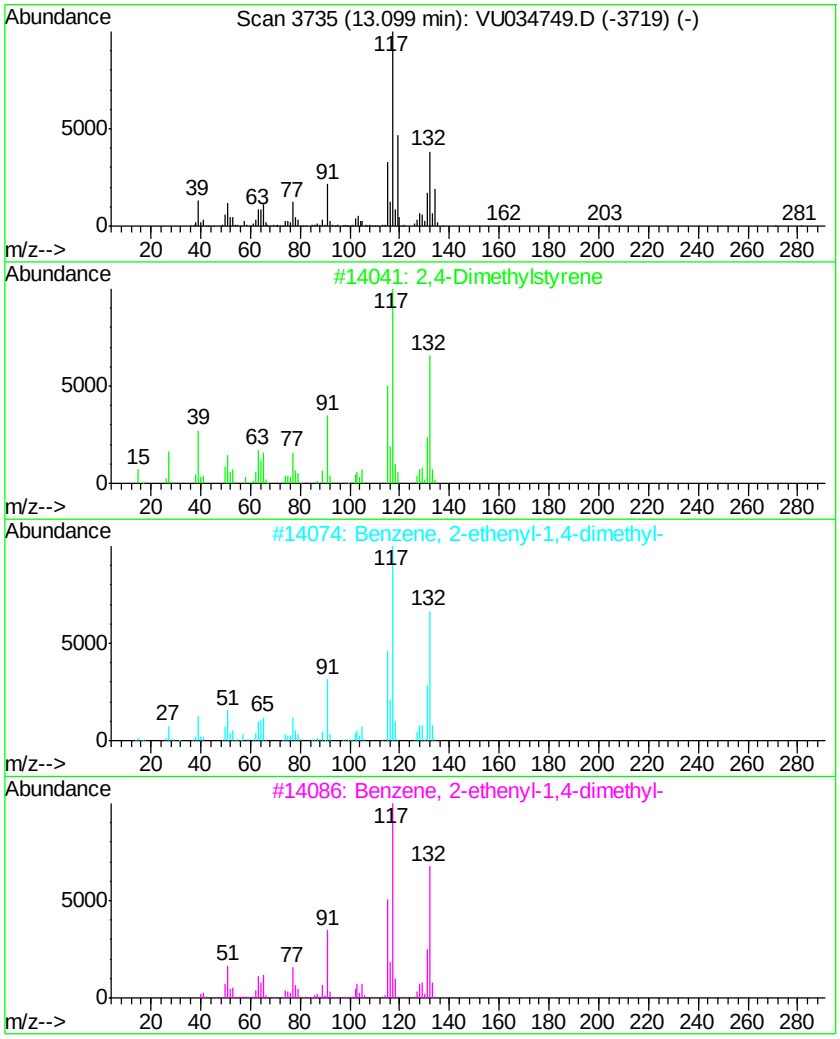
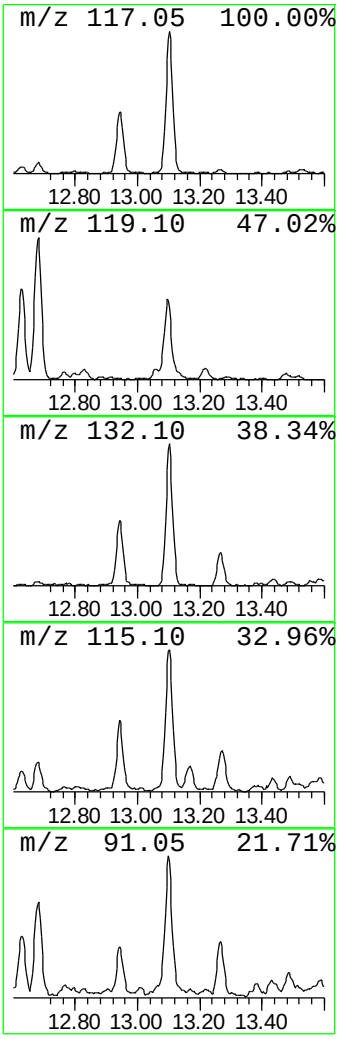
Peak Number 30 2,4-Dimethylstyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	20.93 ug/L	622577	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	95
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	89





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Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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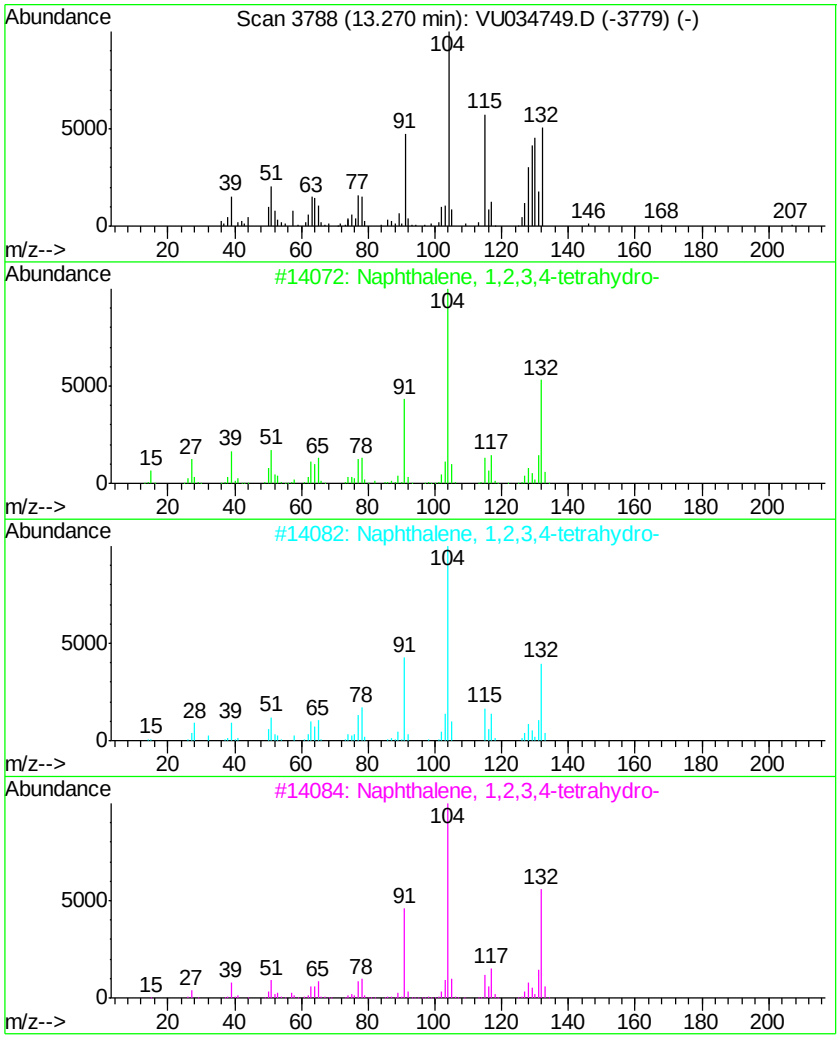
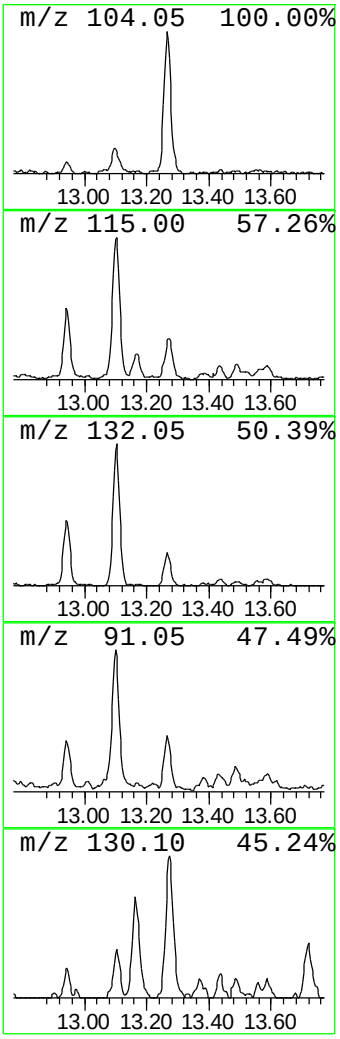
Peak Number 31 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	5.68 ug/L	168945	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	78
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	60
5	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	43





Library Search Compound Report

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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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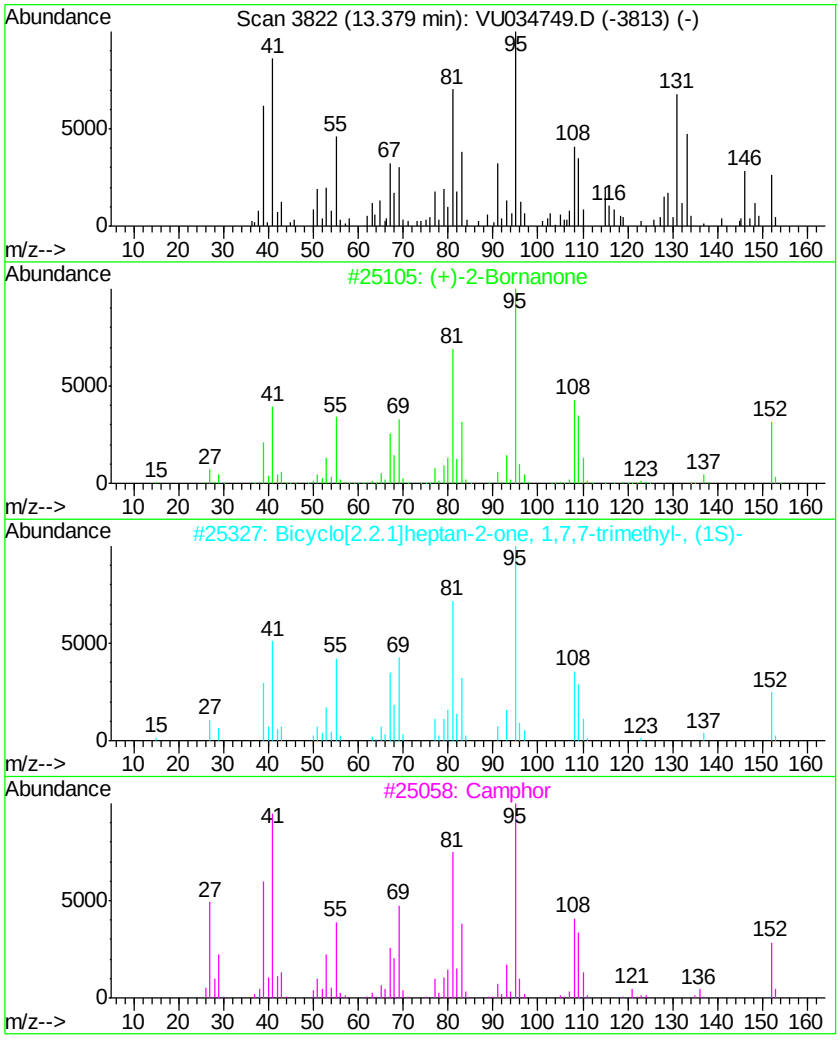
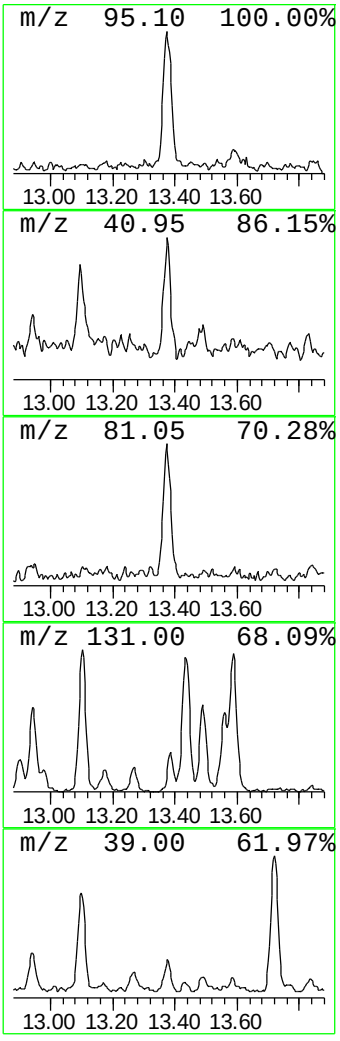
Peak Number 32 (+)-2-Bornanone Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.18 ug/L	94688	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	92
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	90
3	Camphor	152	C10H16O	000076-22-2	90
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	86
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	86





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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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

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

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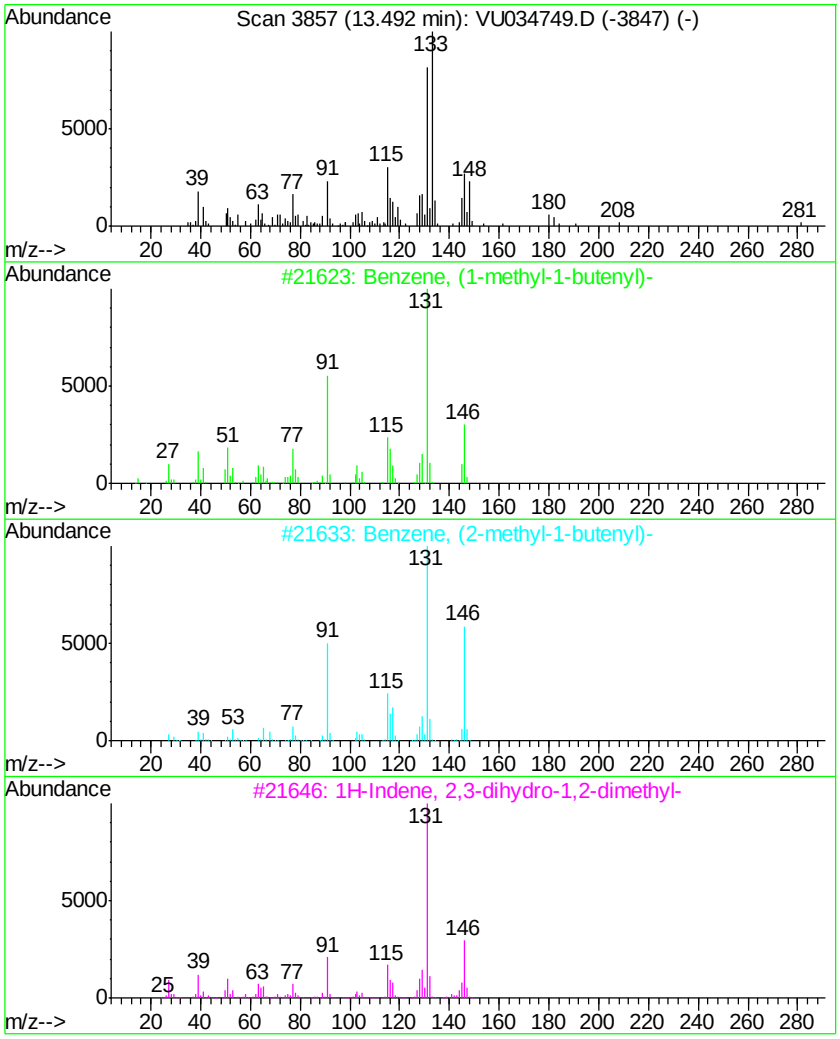
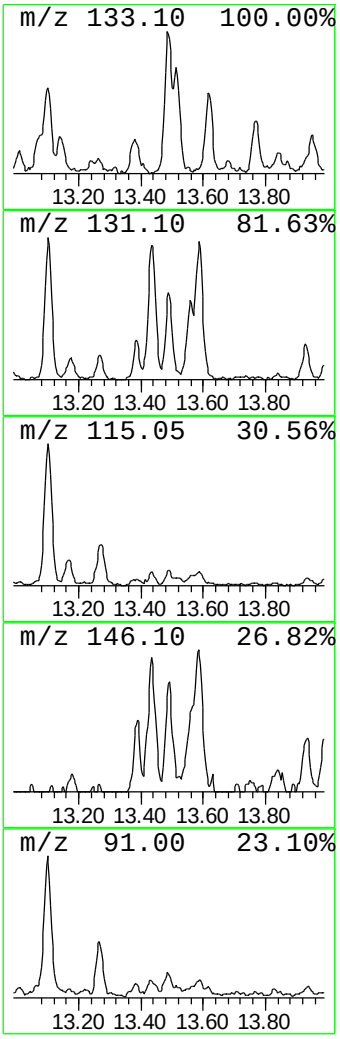
Peak Number 33 Benzene, (1-methyl-1-butenyl)- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.07 ug/L	91389	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	64
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	50
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50





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Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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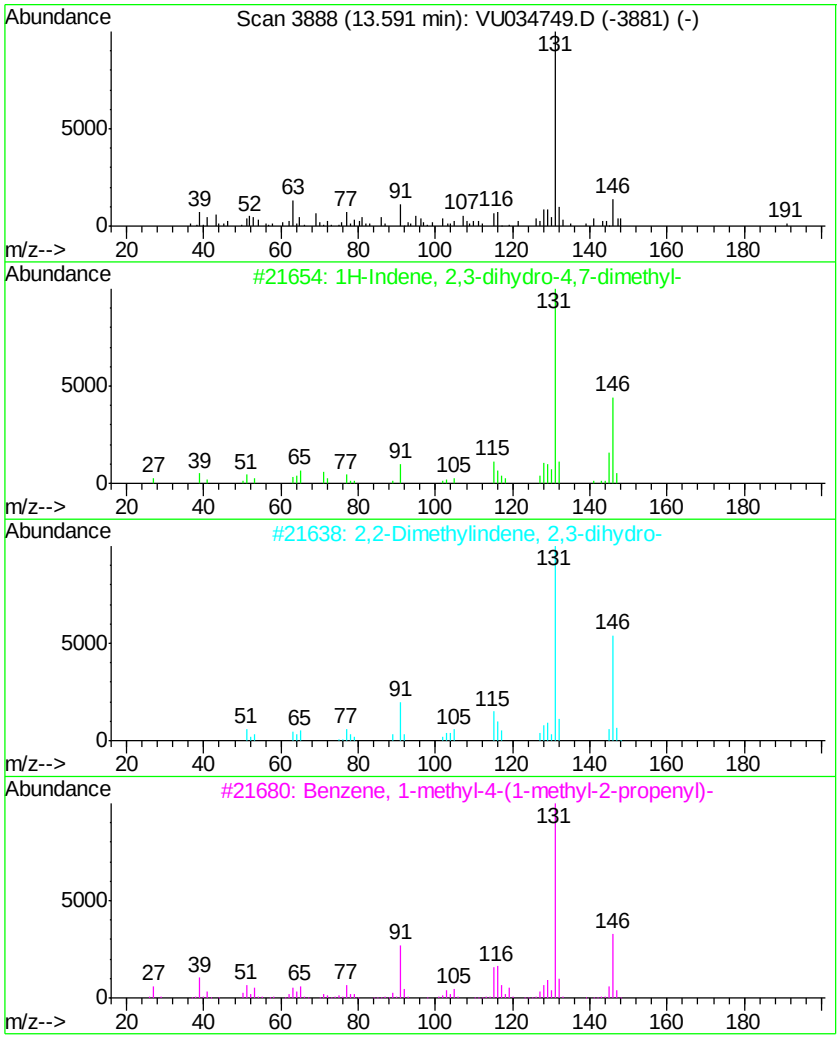
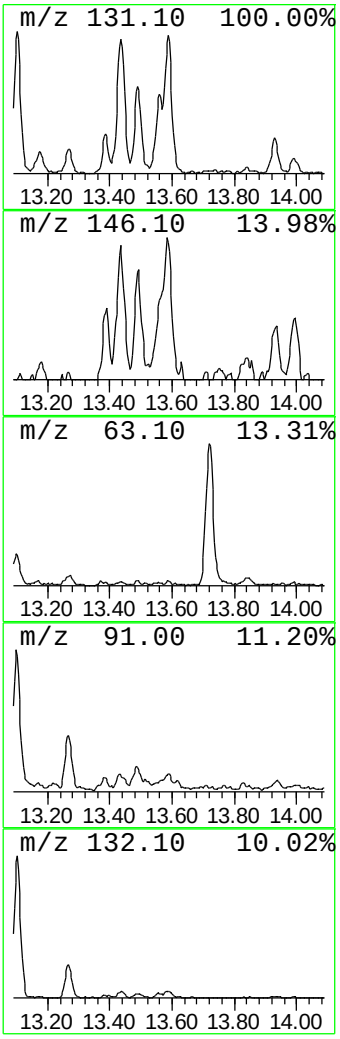
Peak Number 34 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.48 ug/L	103403	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	86
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	86
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	86
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	80
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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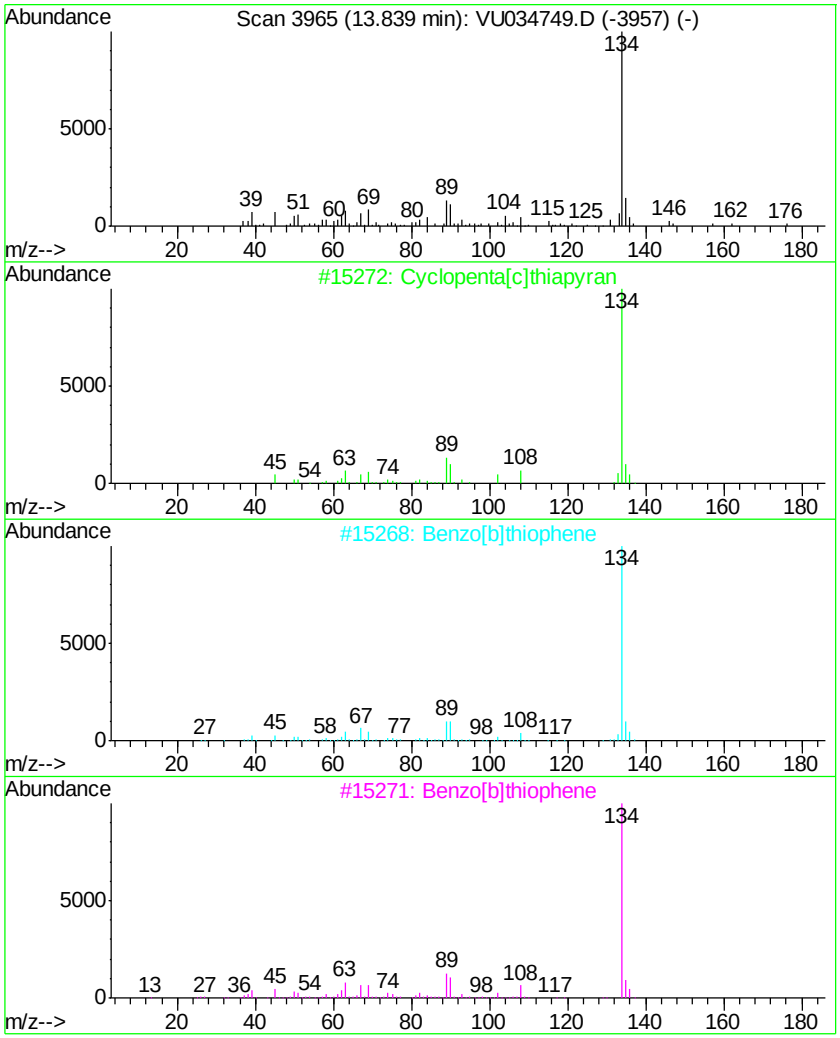
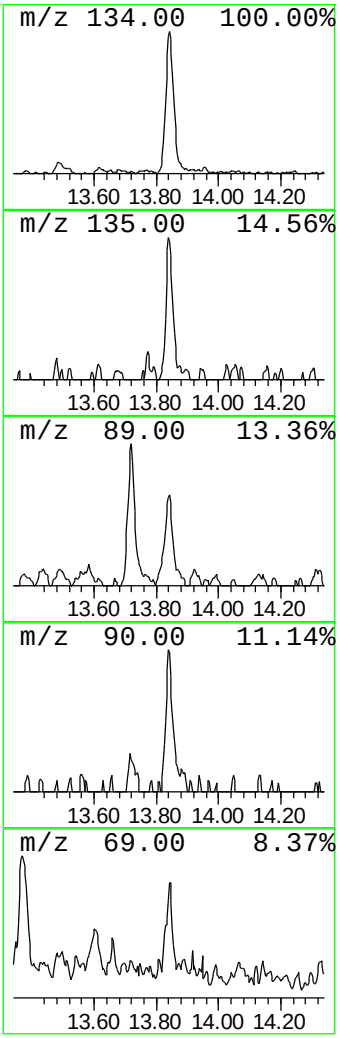
Peak Number 36 Cyclopenta[c]thiapyran Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	3.52 ug/L	104784	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	91
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
4	Benzo[c]thiophene	134	C8H6S	000270-82-6	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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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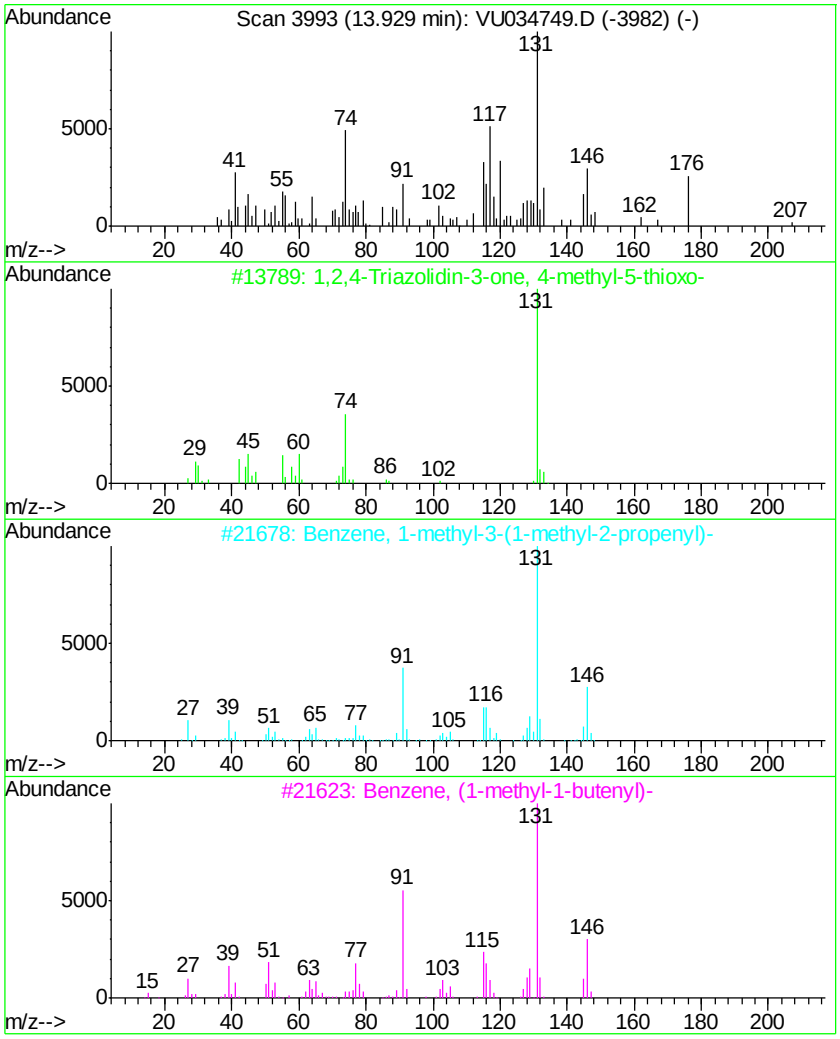
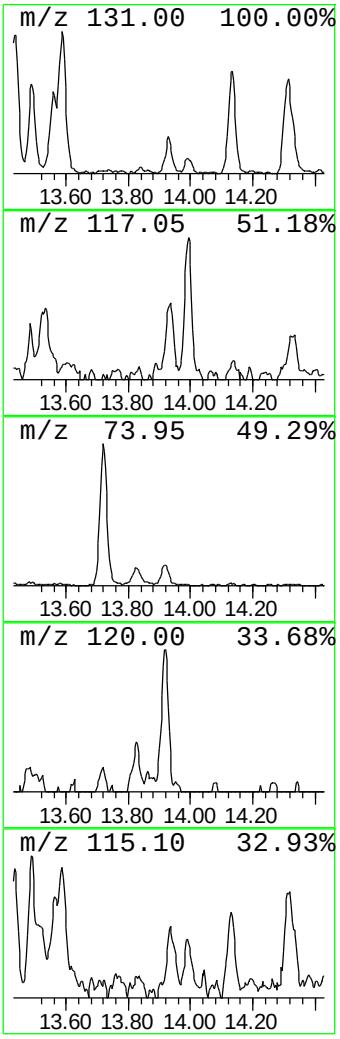
Peak Number 37 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	2.67 ug/L	79487	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Triazolidin-3-one, 4-methy...	131	C3H5N3OS	022244-61-7	43
2	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	42
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	42
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
5	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034749.D
Acq On : 23 Sep 2019 21:42
Operator : JC/SP
Sample : K4932-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG7

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
Propanal, 2-methyl-	3.17	2.8	ug/L	67668	1	5.86	1224580	50.0
Butanal	3.97	3.1	ug/L	75164	1	5.86	1224580	50.0
Isopropyl acetate	5.53	10.6	ug/L	258846	1	5.86	1224580	50.0
n-Propyl acetate	6.68	143.2	ug/L	3506070	1	5.86	1224580	50.0
2-Pentanol, 4-met...	7.89	6.7	ug/L	221173	2	9.07	1656040	50.0
Propanoic acid, 2...	8.13	17.3	ug/L	572836	2	9.07	1656040	50.0
Propanoic acid, p...	8.40	27.5	ug/L	909753	2	9.07	1656040	50.0
Butanoic acid, 1-...	8.88	34.6	ug/L	1147530	2	9.07	1656040	50.0
Benzene, propyl-	10.57	7.9	ug/L	236241	3	11.46	1487380	50.0
Benzene, 1-ethyl-...	10.66	46.0	ug/L	1368270	3	11.46	1487380	50.0
Benzene, 1,2,4-tr...	10.75	25.1	ug/L	745457	3	11.46	1487380	50.0
4-Heptanone, 2,6-...	10.90	4.0	ug/L	118281	3	11.46	1487380	50.0
Indane	11.74	25.1	ug/L	746326	3	11.46	1487380	50.0
Benzene, 1-methyl...	11.78	5.2	ug/L	154578	3	11.46	1487380	50.0
Indene	11.96	3.6	ug/L	107461	3	11.46	1487380	50.0
Benzene, 1-methyl...	12.03	3.6	ug/L	105966	3	11.46	1487380	50.0
Benzene, 2-ethyl-...	12.12	7.0	ug/L	209335	3	11.46	1487380	50.0
Benzene, 1-ethyl-...	12.15	5.1	ug/L	152759	3	11.46	1487380	50.0
o-Cymene	12.23	9.1	ug/L	271942	3	11.46	1487380	50.0
Benzene, 1-etheny...	12.33	11.3	ug/L	334724	3	11.46	1487380	50.0
Benzene, 1,2,4,5-...	12.63	6.5	ug/L	193669	3	11.46	1487380	50.0
Benzene, 1,2,3,5-...	12.68	11.7	ug/L	346565	3	11.46	1487380	50.0
Benzene, 2-etheny...	12.94	7.5	ug/L	224423	3	11.46	1487380	50.0
2,4-Dimethylstyrene	13.10	20.9	ug/L	622577	3	11.46	1487380	50.0
Naphthalene, 1,2,...	13.27	5.7	ug/L	168945	3	11.46	1487380	50.0
(+)-2-Bornanone	13.38	3.2	ug/L	94688	3	11.46	1487380	50.0
Benzene, (1-methy...	13.49	3.1	ug/L	91389	3	11.46	1487380	50.0
1H-Indene, 2,3-di...	13.59	3.5	ug/L	103403	3	11.46	1487380	50.0
Cyclopenta[c]thia...	13.84	3.5	ug/L	104784	3	11.46	1487380	50.0
unknown-01	13.93	2.7	ug/L	79487	3	11.46	1487380	50.0