LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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	334959	357997	6.40%	0.525%
2	1.466	111	117	125	rVV	19509	24268	0.43%	0.036%
3	1.544	132	141	151	rVB2	41781	59762	1.07%	0.088%
4	1.669	172	180	193	rBV	263397	339472	6.06%	0.498%
5	2.167	330	335	344	rBV2	22475	30943	0.55%	0.045%
6	2.257	353	363	373	rBV	479535	731376	13.07%	1.073%
7	2.306	373	378	393	rVB	62056	98305	1.76%	0.144%
8	2.431	406	417	428	rBV	26783	50197	0.90%	0.074%
9	2.685	480	496	516	rBV	345122	639648	11.43%	0.939%
10	2.775	516	524	542	rVB6	15236	35080	0.63%	0.051%
11	2.971	574	585	597	rVB8	10844	22797	0.41%	0.033%
12	3.598	773	780	788	rBV7	11227	24609	0.44%	0.036%
13	4.071	912	927	939	rBV4	29593	73781	1.32%	0.108%
14	4.154	940	953	998	rBV2	221826	759303	13.56%	1.114%
15	4.650	1088	1107	1126	rBV	384231	932923	16.67%	1.369%
16	4.756	1130	1140	1157	rVB3	29294	67453	1.20%	0.099%
17	4.971	1191	1207	1220	rBV4	52140	126815	2.27%	0.186%
18	5.315	1289	1314	1323	rBV2	809384	2385771	42.62%	3.501%
19	5.363	1324	1329	1351	rVB2	447735	912311	16.30%	1.339%
20	5.502	1362	1372	1381	rVB5	14350	28499	0.51%	0.042%
21	5.862	1471	1484	1512	rBV	631978	1303054	23.28%	1.912%
22	6.154	1561	1575	1602	rVB3	480727	1147595	20.50%	1.684%
23	6.309	1609	1623	1638	rBV	563995	1124222	20.08%	1.650%
24	6.402	1638	1652	1675	rVB5	86597	236318	4.22%	0.347%
25	6.563	1695	1702	1711	rVB	16576	28348	0.51%	0.042%
26	6.701	1735	1745	1755	rBV2	10457	22163	0.40%	0.033%
27	6.801	1767	1776	1791	rVV2	13929	37513	0.67%	0.055%
28	7.045	1844	1852	1861	rVV3	21314	37577	0.67%	0.055%
29	7.206	1890	1902	1929	rBV	324297	615700	11.00%	0.903%
30	7.437	1954	1974	1989	rBV	292227	577050	10.31%	0.847%
31	7.543	1994	2007	2018	rBV	1125543	1957317	34.97%	2.872%
32	7.614	2018	2029	2048	rVB	3305250	5597764	100.00%	8.214%
33	7.829	2085	2096	2109	rBV	228645	398339	7.12%	0.585%
34	7.894	2109	2116	2138	rVB5	37687	109665	1.96%	0.161%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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	8.135	2181	2191	2204	rBV	127247	215973	3.86%	0.317%
36	8.209	2204	2214	2228	rVB4	86244	146904	2.62%	0.216%
37	8.292	2228	2240	2270	rBV2	845217	1737868	31.05%	2.550%
38	8.440	2279	2286	2303	rVB5	47586	106919	1.91%	0.157%
39	8.884	2403	2424	2433	rBV2	76702	135046	2.41%	0.198%
40	9.067	2452	2481	2491	rBV	963223	1680780	30.03%	2.466%
41	9.228	2519	2531	2553	rBV	881569	1427780	25.51%	2.095%
42	9.350	2556	2569	2583	rVV	3330675	5389247	96.27%	7.908%
43	9.421	2585	2591	2601	rVV2	83028	156915	2.80%	0.230%
44	9.476	2601	2608	2617	rVV	66900	111299	1.99%	0.163%
45	9.588	2635	2643	2653	rBV5	28211	52525	0.94%	0.077%
46	9.675	2663	2670	2677	rBV10	14367	22831	0.41%	0.034%
47	9.755	2684	2695	2731	rVB	2179483	3544017	63.31%	5.200%
48	9.900	2731	2740	2760	rBV	101610	209752	3.75%	0.308%
49	10.019	2764	2777	2784	rBV10	28446	59854	1.07%	0.088%
50	10.145	2807	2816	2826	rVB2	101488	158349	2.83%	0.232%
51	10.302	2858	2865	2874	rVB8	22967	38527	0.69%	0.057%
52	10.415	2890	2900	2912	rBV8	19272	44816	0.80%	0.066%
53	10.566	2936	2947	2957	rBV	190123	318486	5.69%	0.467%
54	10.656	2959	2975	2993	rVV	961728	2104564	37.60%	3.088%
55	10.749	2993	3004	3036	rVV	767725	1356902	24.24%	1.991%
56	10.897	3040	3050	3056	rVV2	88833	145332	2.60%	0.213%
57	10.948	3056	3066	3087	rVB	574096	945672	16.89%	1.388%
58	11.054	3095	3099	3108	rVB9	18837	25957	0.46%	0.038%
59	11.125	3109	3121	3136	rBV	2532794	3813924	68.13%	5.596%
60	11.234	3146	3155	3170	rVV	271063	457315	8.17%	0.671%
61	11.405	3201	3208	3215	rVB2	80334	112745	2.01%	0.165%
62	11.460	3215	3225	3241	rVB	993753	1630752	29.13%	2.393%
63	11.546	3242	3252	3265	rBV	1151708	1724060	30.80%	2.530%
64	11.743	3301	3313	3322	rBV	707805	1288696	23.02%	1.891%
65	11.839	3333	3343	3367	rVB4	1398308	3035345	54.22%	4.454%
66	11.958	3372	3380	3394	rVV5	58022	130572	2.33%	0.192%
67	12.032	3395	3403	3415	rVB2	92699	164093	2.93%	0.241%
68	12.122	3420	3431	3437	rBV3	260612	459406	8.21%	0.674%
69	12.228	3455	3464	3471	rBV	286174	439080	7.84%	0.644%
70	12.331	3486	3496	3517	rVB2	309332	589396	10.53%	0.865%
71	12.530	3549	3558	3567	rBV3	132067	208035	3.72%	0.305%

LSC Area Percent Report

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Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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	12.595	3569	3578	3583	rVV2	195396	322240	5.76%	0.473%
73	12.627	3583	3588	3596	rVV2	230326	324901	5.80%	0.477%
74	12.681	3596	3605	3623	rVB	380586	598725	10.70%	0.879%
75	12.765	3626	3631	3637	rBV5	26495	36792	0.66%	0.054%
76	12.942	3677	3686	3700	rVB	361480	543676	9.71%	0.798%
77	13.099	3725	3735	3747	rVV2	783457	1247197	22.28%	1.830%
78	13.164	3750	3755	3766	rVB4	82709	130611	2.33%	0.192%
79	13.267	3778	3787	3805	rVB3	207571	367929	6.57%	0.540%
80	13.376	3810	3821	3831	rVV5	213957	388135	6.93%	0.570%
81	13.434	3831	3839	3848	rVV2	116259	193154	3.45%	0.283%
82	13.488	3848	3856	3870	rVV5	140597	288966	5.16%	0.424%
83	13.559	3872	3878	3881	rVV2	69449	102916	1.84%	0.151%
84	13.588	3881	3887	3905	rVB4	147797	300890	5.38%	0.442%
85	13.720	3915	3928	3954	rVB	2657860	4237081	75.69%	6.217%
86	13.839	3955	3965	3979	rVB2	180870	307503	5.49%	0.451%
87	13.929	3987	3993	4005	rVV5	42194	78792	1.41%	0.116%
88	13.990	4006	4012	4022	rVB2	47810	73147	1.31%	0.107%
89	14.131	4046	4056	4070	rBV2	108556	186622	3.33%	0.274%
90	14.312	4103	4112	4125	rBV5	92797	200904	3.59%	0.295%
91	14.456	4150	4157	4167	rVV4	34594	54383	0.97%	0.080%
92	14.514	4167	4175	4189	rVB5	94026	167149	2.99%	0.245%
93	14.659	4212	4220	4231	rVB6	33356	61732	1.10%	0.091%
94	14.797	4254	4263	4270	rBV	52414	83850	1.50%	0.123%
95	14.855	4270	4281	4309	rVV	960978	1612181	28.80%	2.366%
96	14.967	4309	4316	4327	rVV3	17952	38777	0.69%	0.057%
97	15.041	4328	4339	4354	rVV	594325	981281	17.53%	1.440%
98	15.784	4553	4570	4576	rBV	15810	36616	0.65%	0.054%
99	15.897	4595	4605	4611	rBV8	17925	33544	0.60%	0.049%
100	16.041	4641	4650	4656	rBV3	40534	65310	1.17%	0.096%

Sum of corrected areas: 68148673

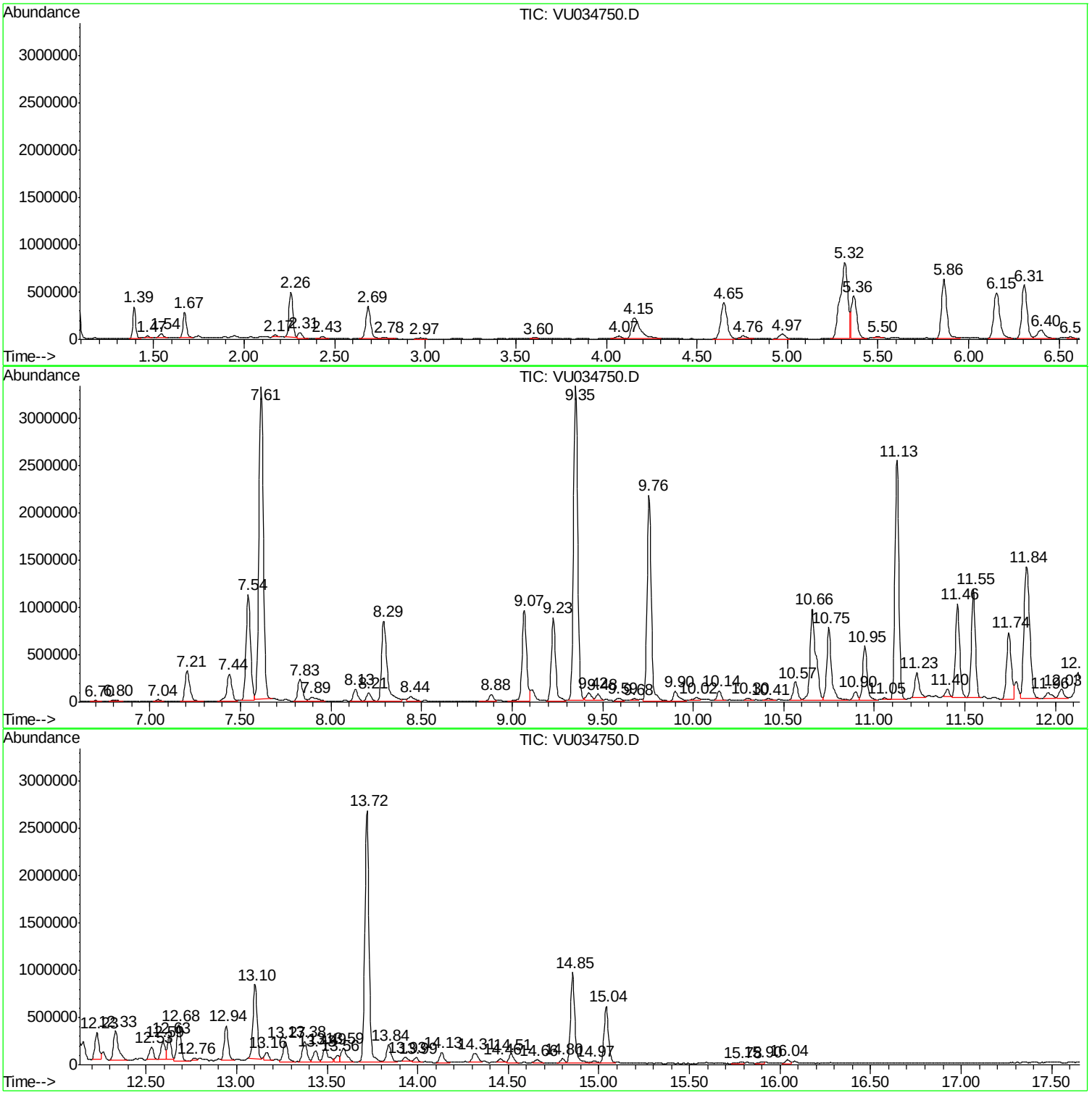
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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 : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

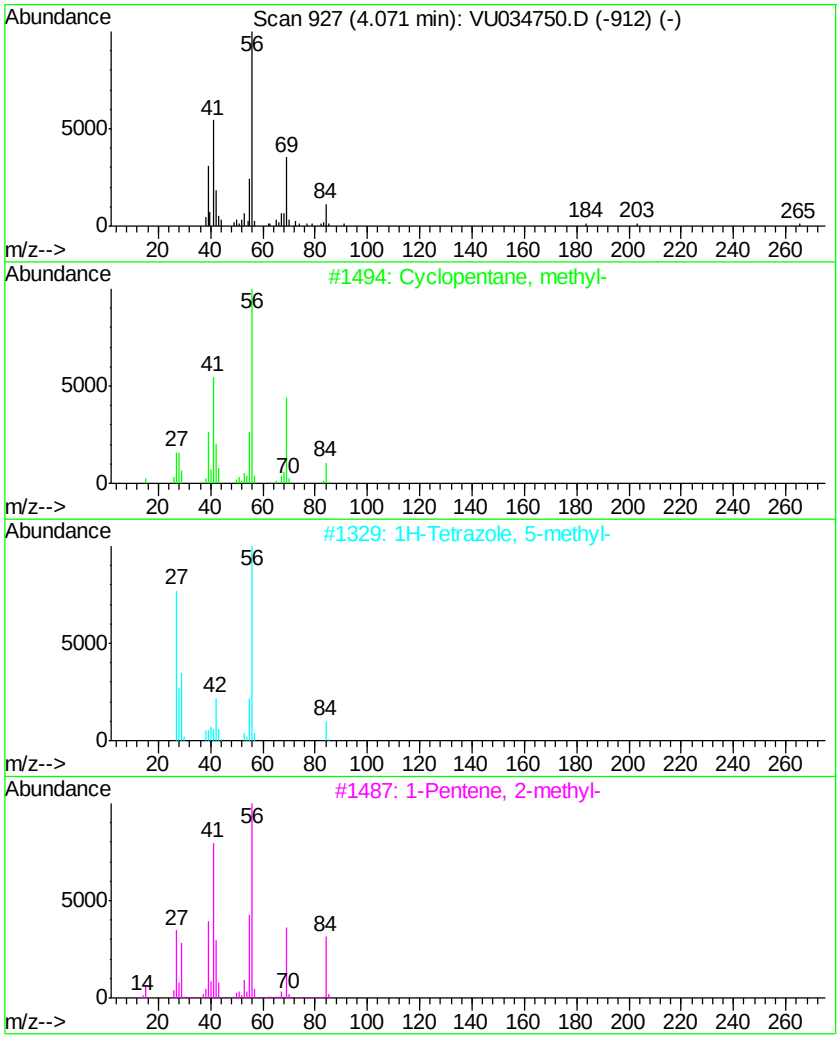
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

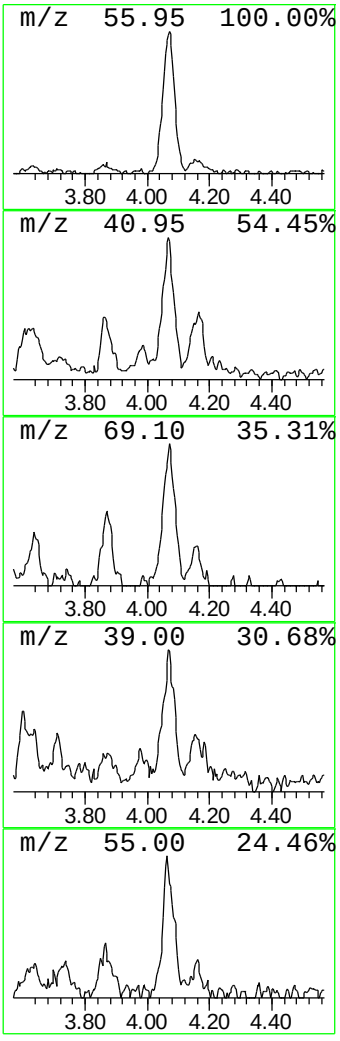
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.07	2.83 ug/L	73781	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	78
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

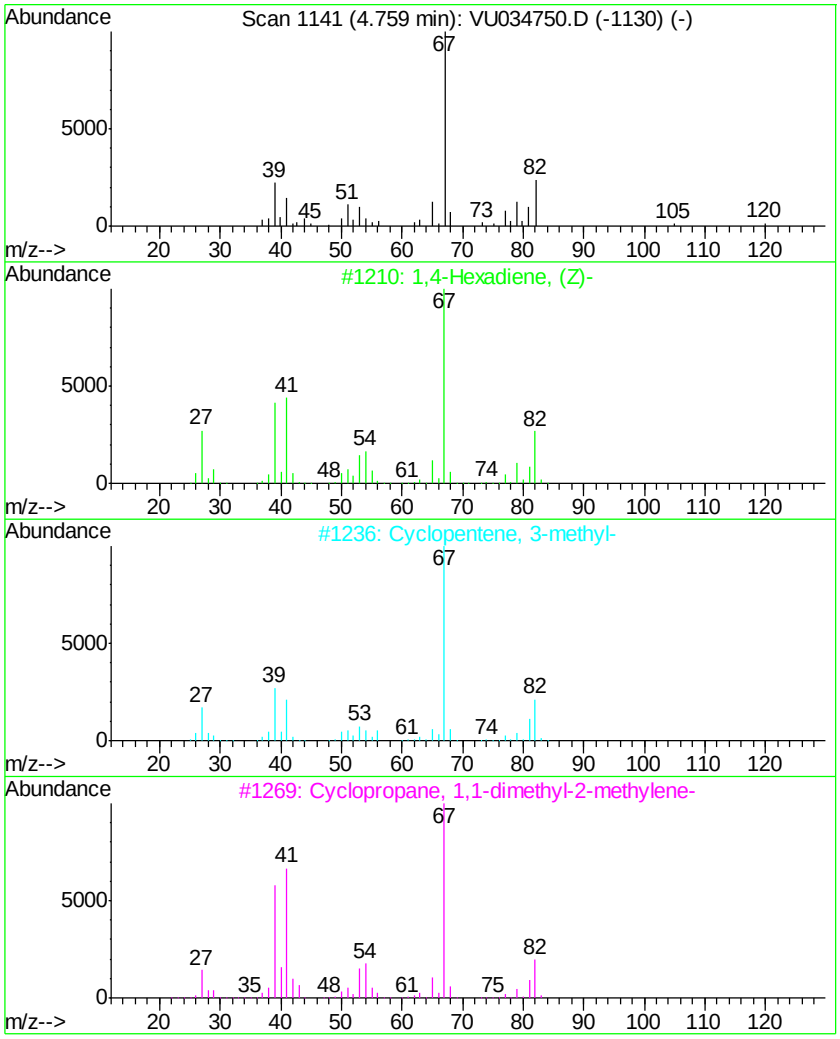
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

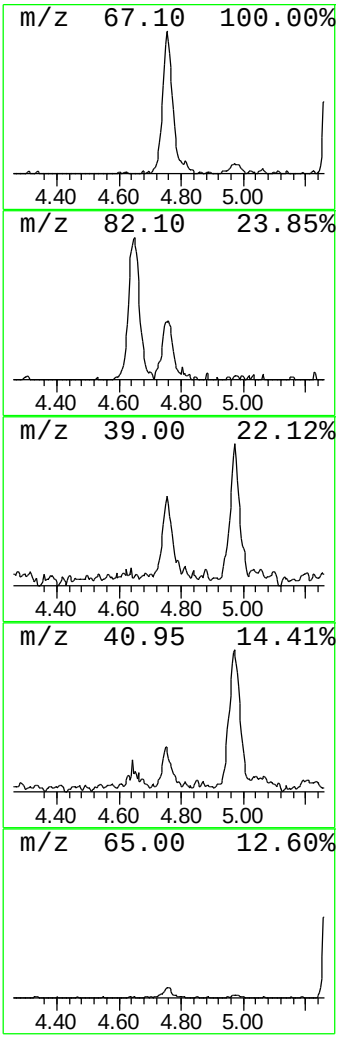
****

Peak Number 2 1,4-Hexadiene, (Z)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	2.59 ug/L	67453	1,4-Difluorobenzene	5.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	72
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72
3	Cyclopropane, 1,1-dimethyl-2-met...	82	C6H10	004372-94-5	72
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	72
5	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

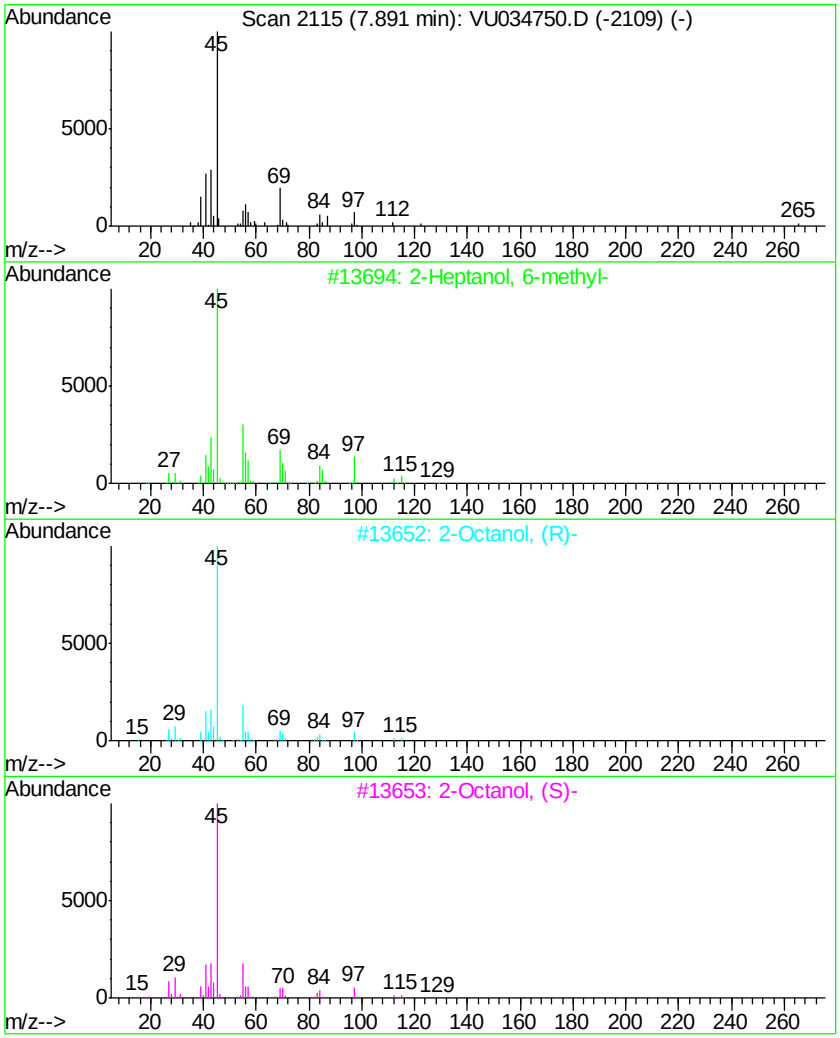
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

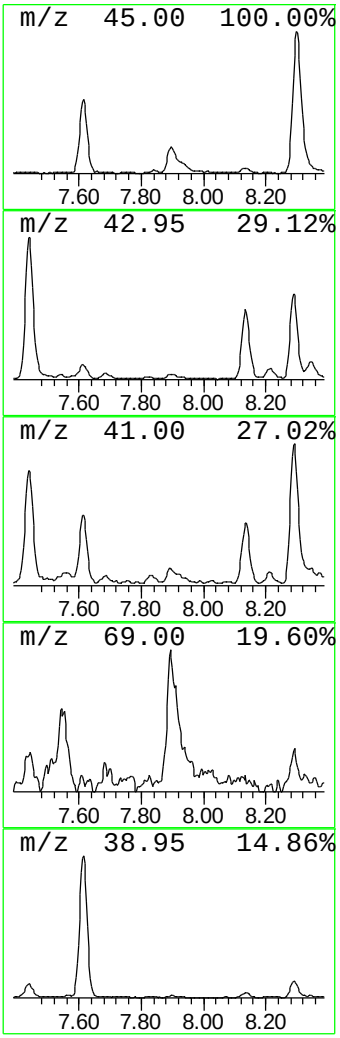
****

Peak Number 4 2-Heptanol, 6-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	3.26 ug/L	109665	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanol, 6-methyl-	130	C8H18O	004730-22-7	78
2	2-Octanol, (R)-	130	C8H18O	005978-70-1	72
3	2-Octanol, (S)-	130	C8H18O	006169-06-8	72
4	2-Octanol, (R)-	130	C8H18O	005978-70-1	64
5	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

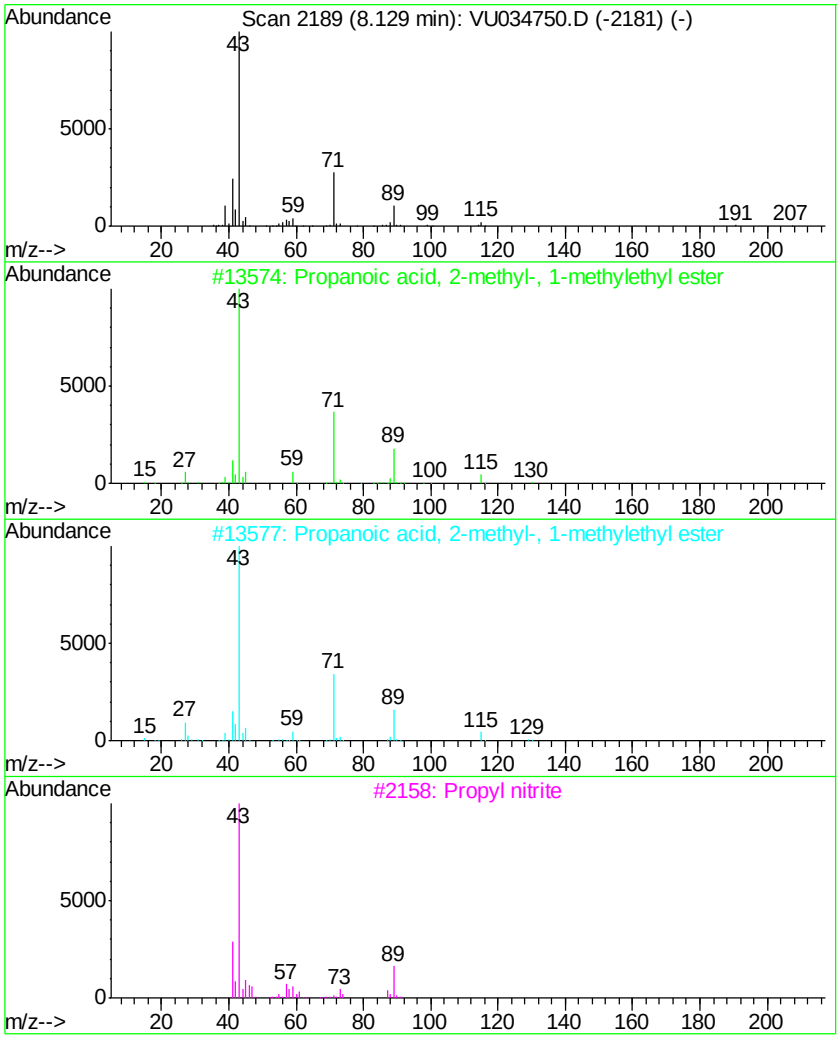
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

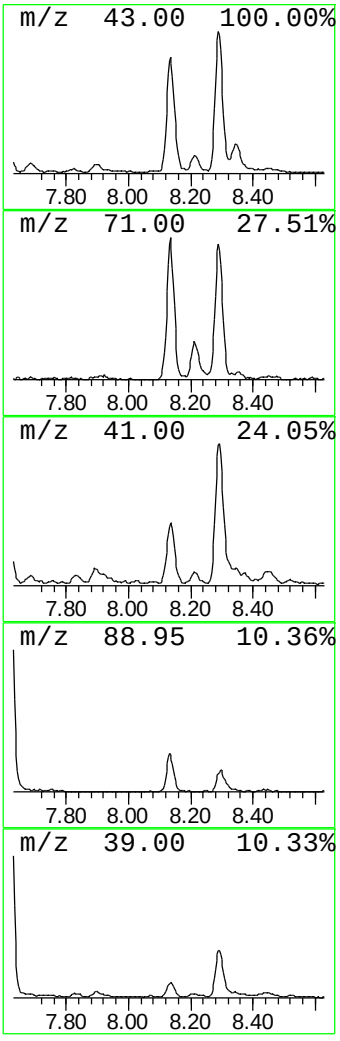
****

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	6.42 ug/L	215973	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	64
2	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	53
3	Propyl nitrite	89	C3H7NO2	000543-67-9	50
4	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	50
5	Propanoic acid, 2-methyl-, 1-met...	130	C7H14O2	000617-50-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

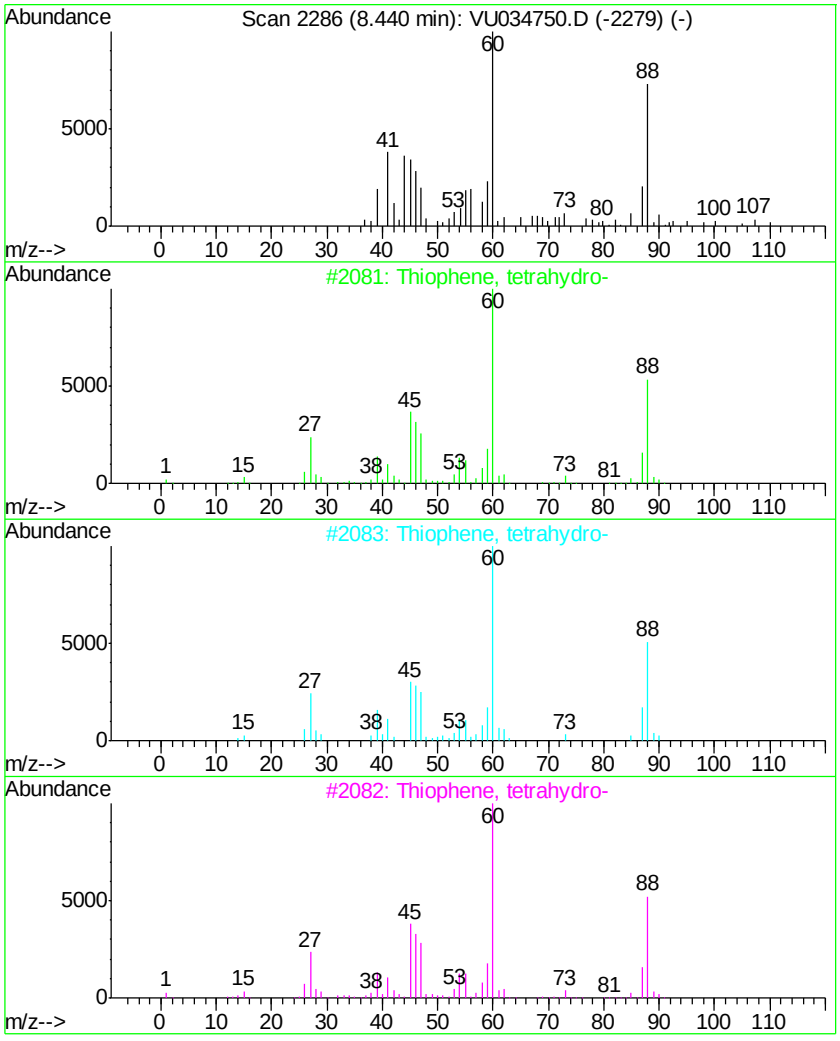
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

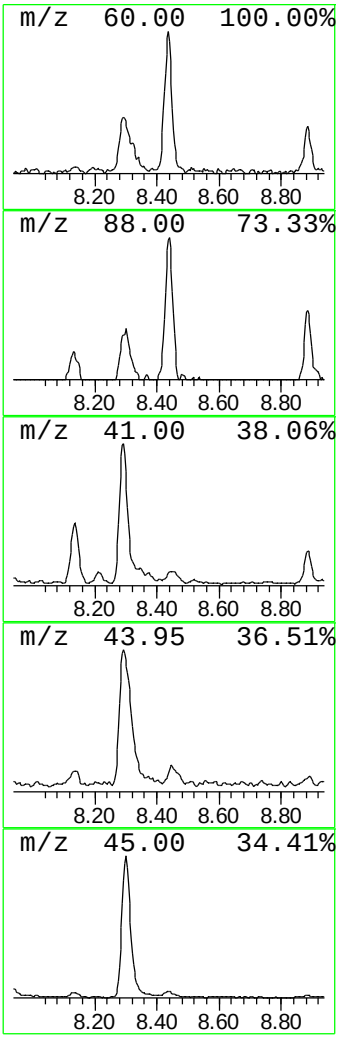
****

Peak Number 6 Thiophene, tetrahydro- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	3.18 ug/L	106919	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	90
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	86
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	72
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	59
5	Phospholane	88	C4H9P	003466-00-0	45





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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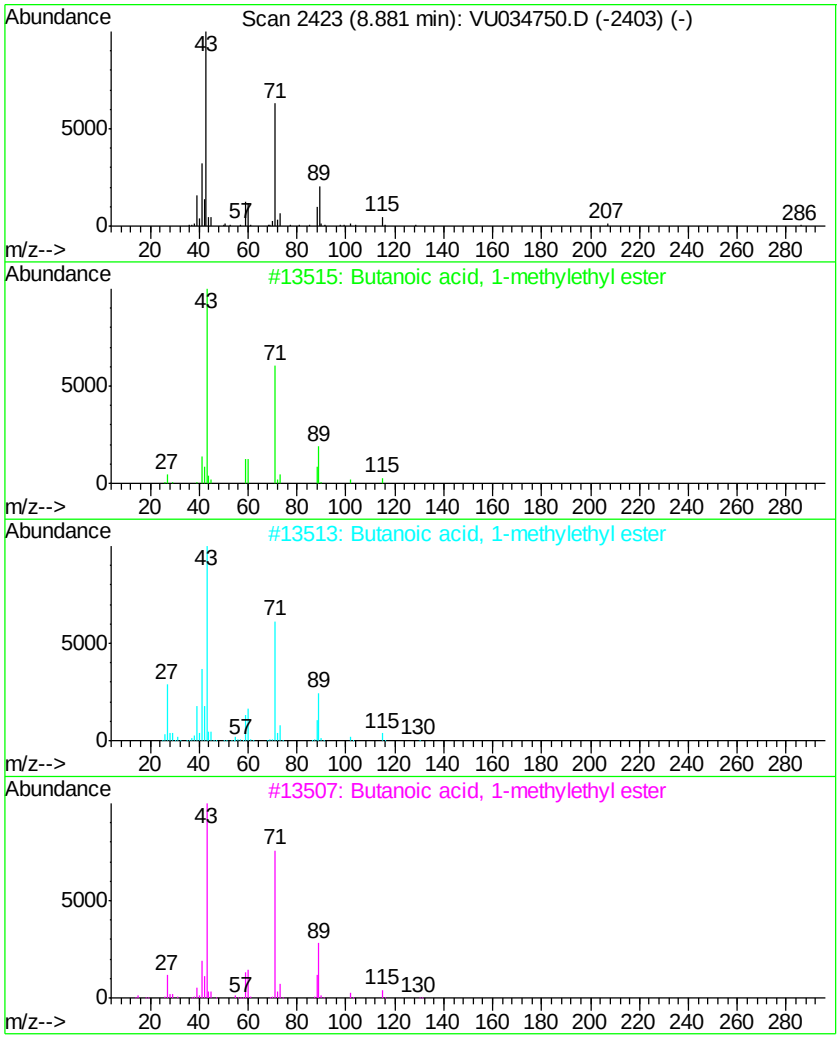
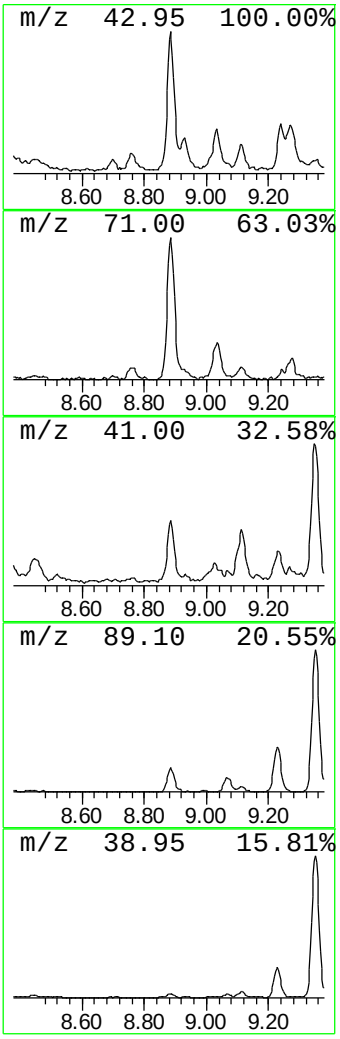
Peak Number 7 Butanoic acid, 1-methylethy... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	4.02 ug/L	135046	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	83
2	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	78
3	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	72
4	Butanoic acid, 1-methylethyl ester	130	C7H14O2	000638-11-9	64
5	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	53





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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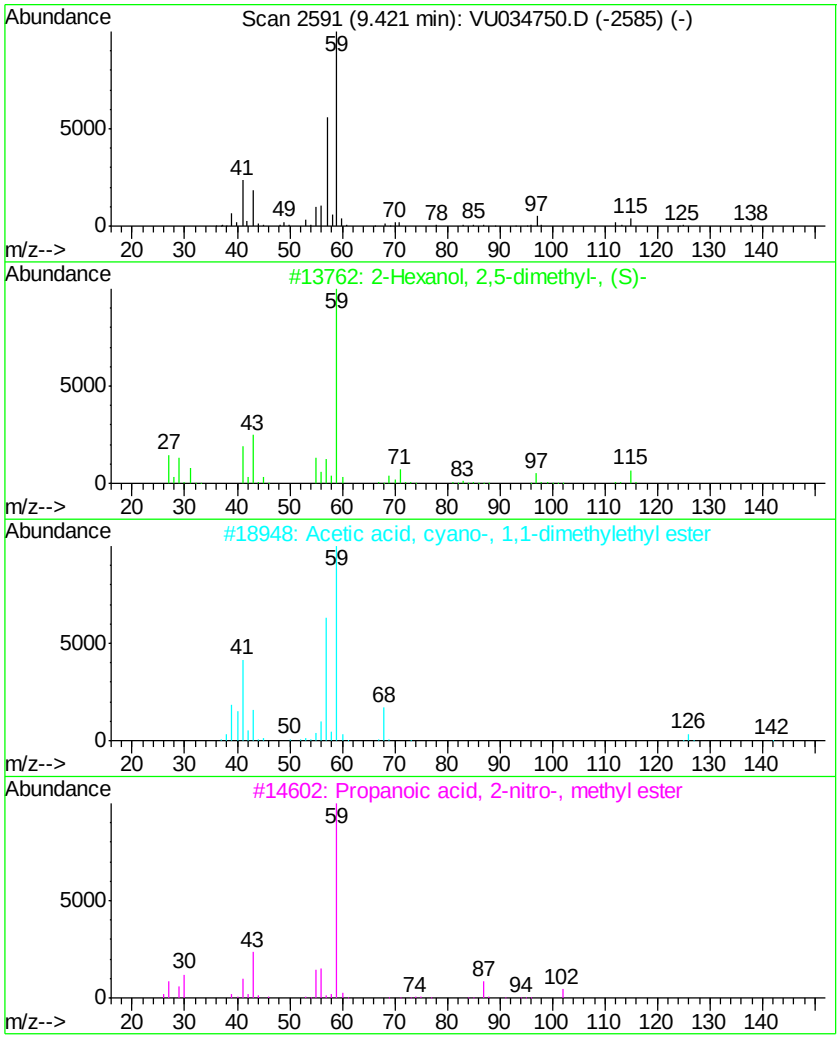
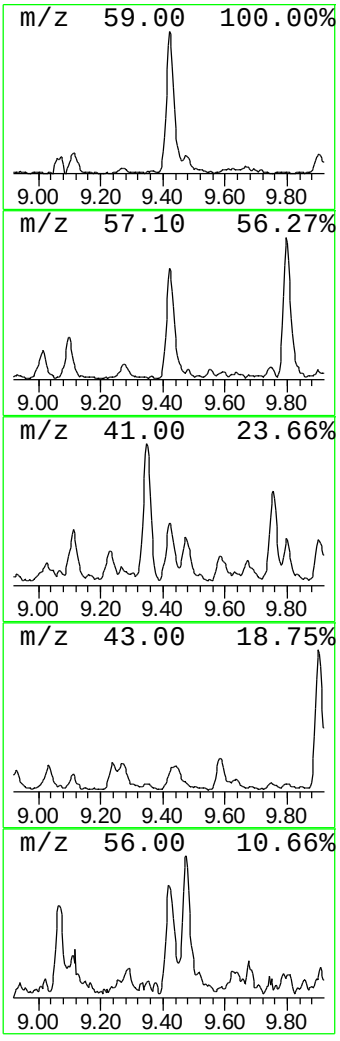
Peak Number 8 2-Hexanol, 2,5-dimethyl-, (S)- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.67 ug/L	156915	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2,5-dimethyl-, (S)-	130	C8H18O	003730-60-7	74
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	56
3	Propanoic acid, 2-nitro-, methyl...	133	C4H7NO4	006118-50-9	38
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	38
5	2,3-Dimethyl-4-penten-2-ol	114	C7H14O	019781-52-3	38





Library Search Compound Report

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Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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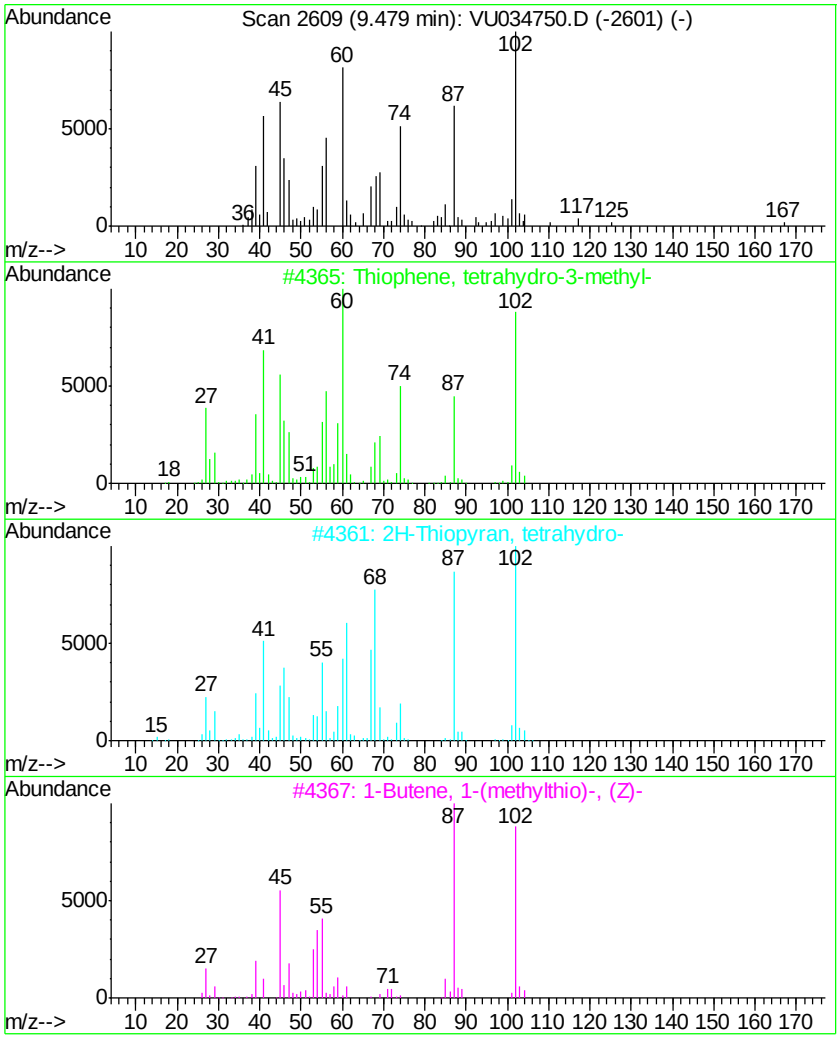
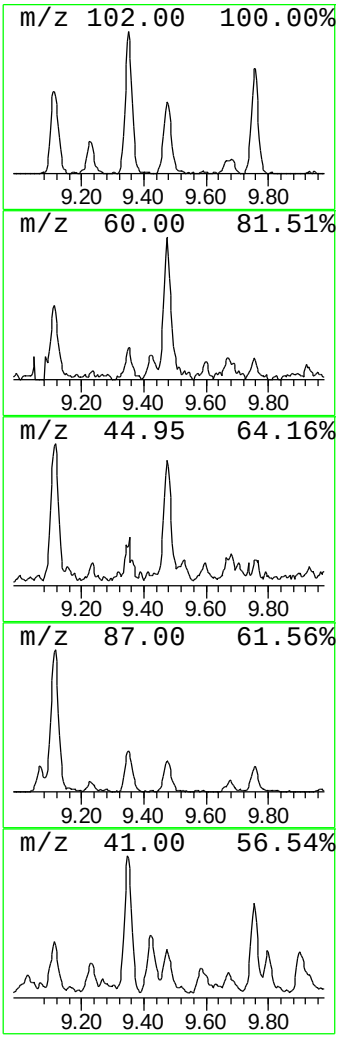
Peak Number 9 Thiophene, tetrahydro-3-met... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	3.31 ug/L	111299	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	95
2	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	43
3	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	38
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	38
5	Methyl.alpha.d-rhamnopyranoside	178	C7H14O5	001128-40-1	38





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Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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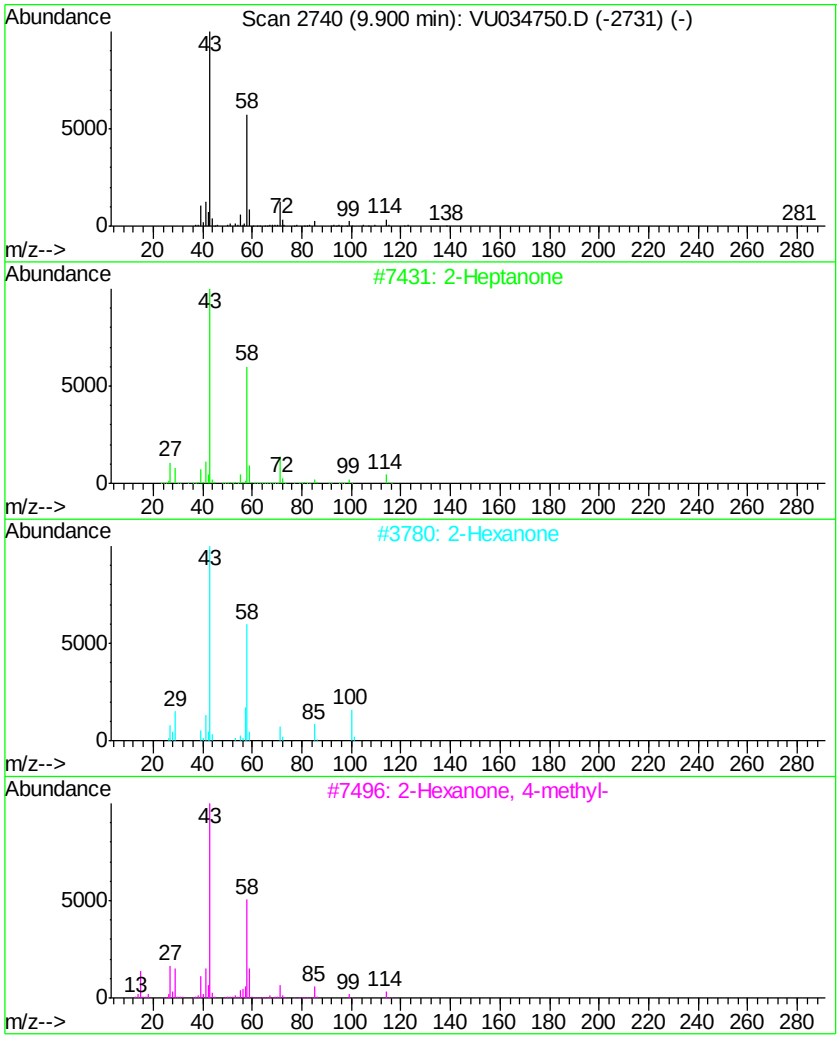
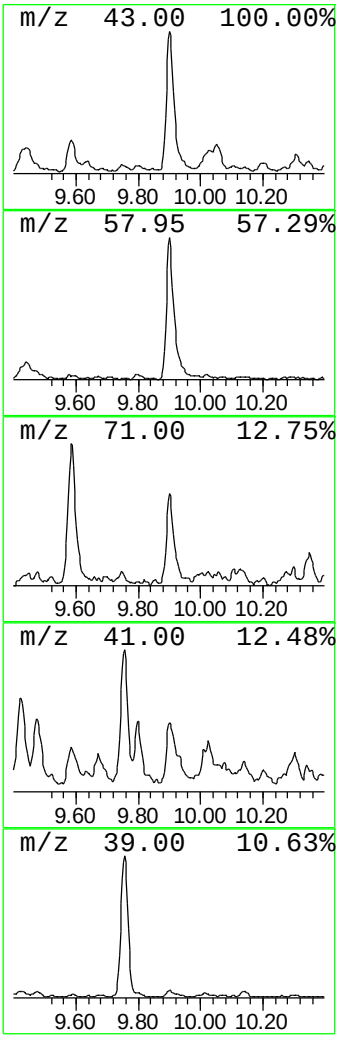
Peak Number 10 2-Heptanone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	6.24 ug/L	209752	Chlorobenzene-d5	9.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	91
2	2-Hexanone	100	C6H12O	000591-78-6	72
3	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	64
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	58
5	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	56





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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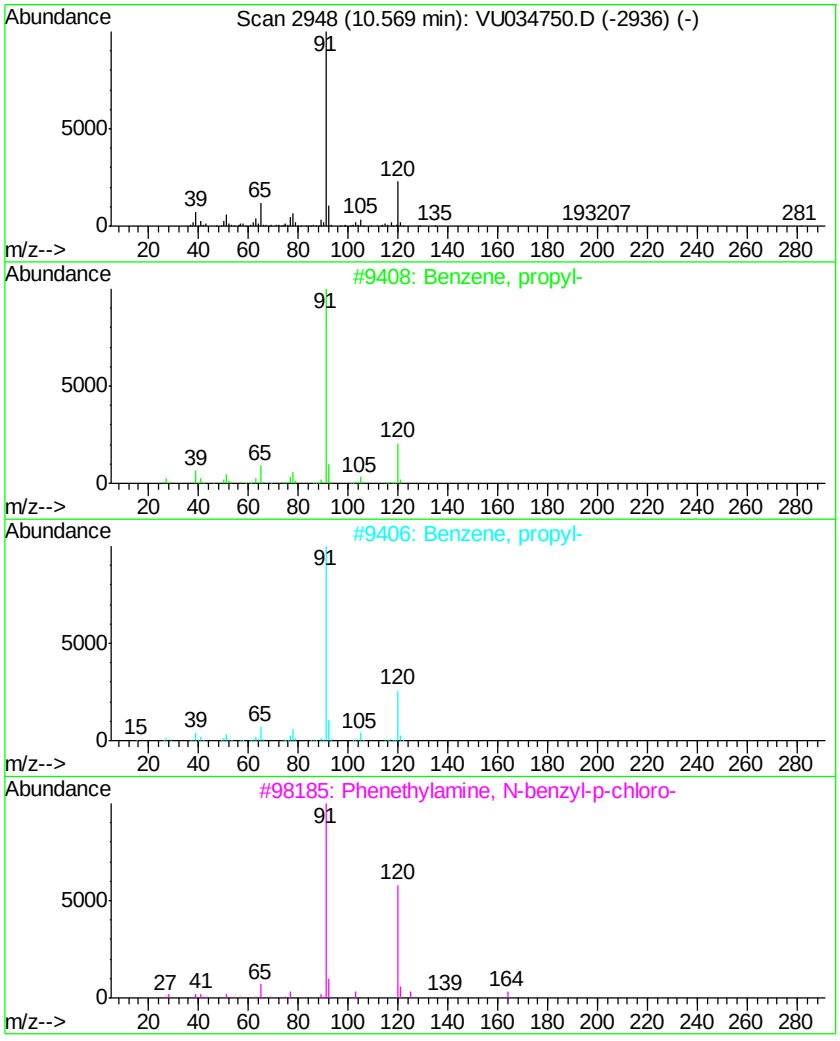
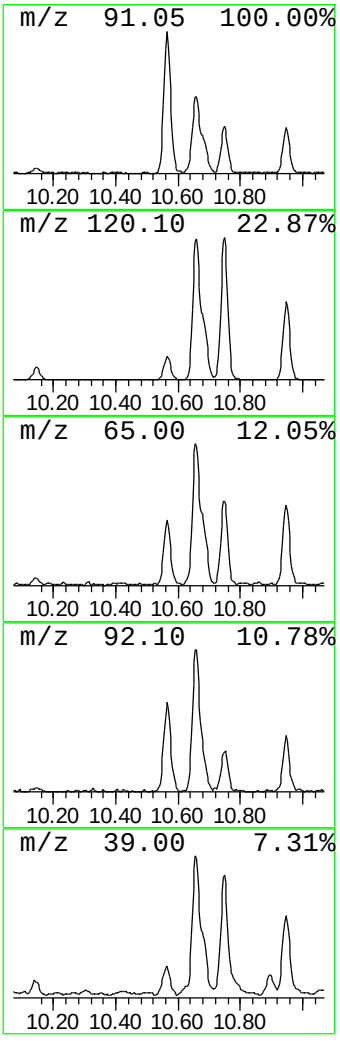
Peak Number 11 Benzene, propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	9.77 ug/L	318486	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	80
3	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
4	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	78
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





Library Search Compound Report

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Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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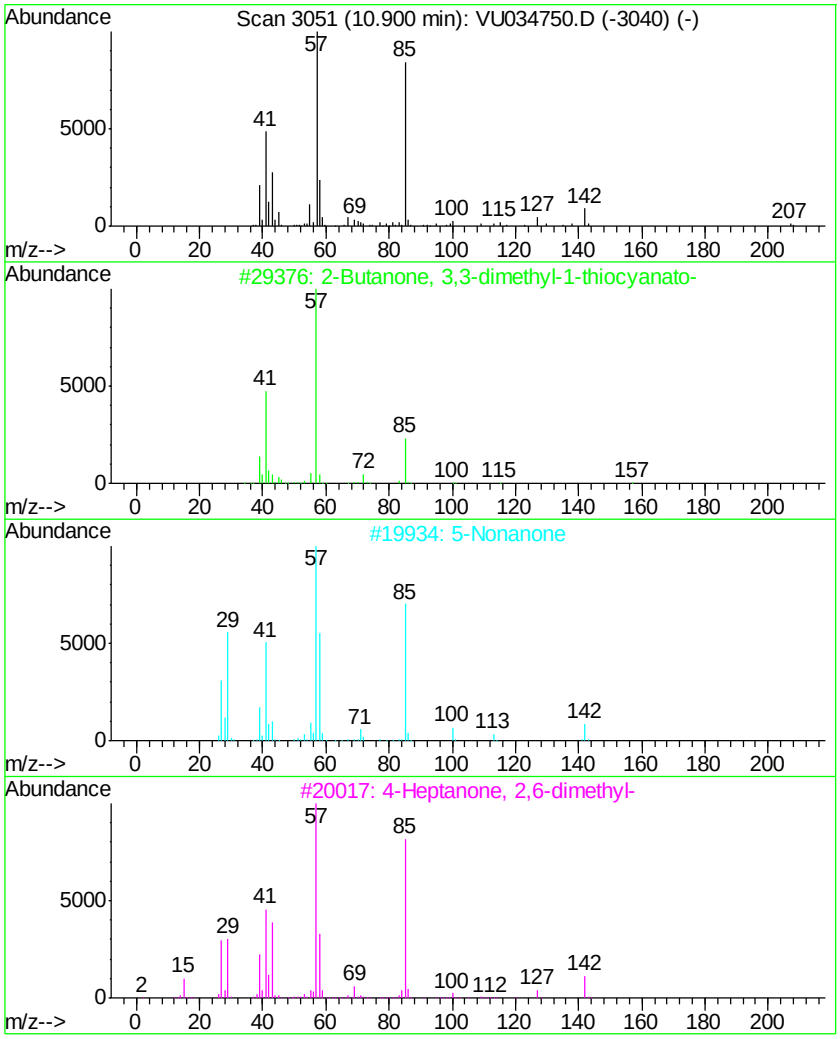
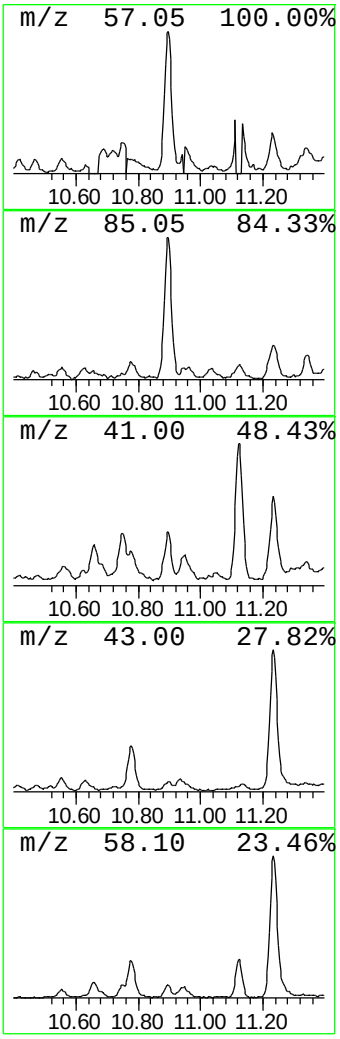
Peak Number 14 2-Butanone, 3,3-dimethyl-1-... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	4.46 ug/L	145332	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 3,3-dimethyl-1-thioc...	157	C7H11NOS	057518-71-5	53
2	5-Nonanone	142	C9H18O	000502-56-7	50
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	49
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	46
5	Pentanethioic acid, S-propyl ester	160	C8H16OS	002432-76-0	40





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Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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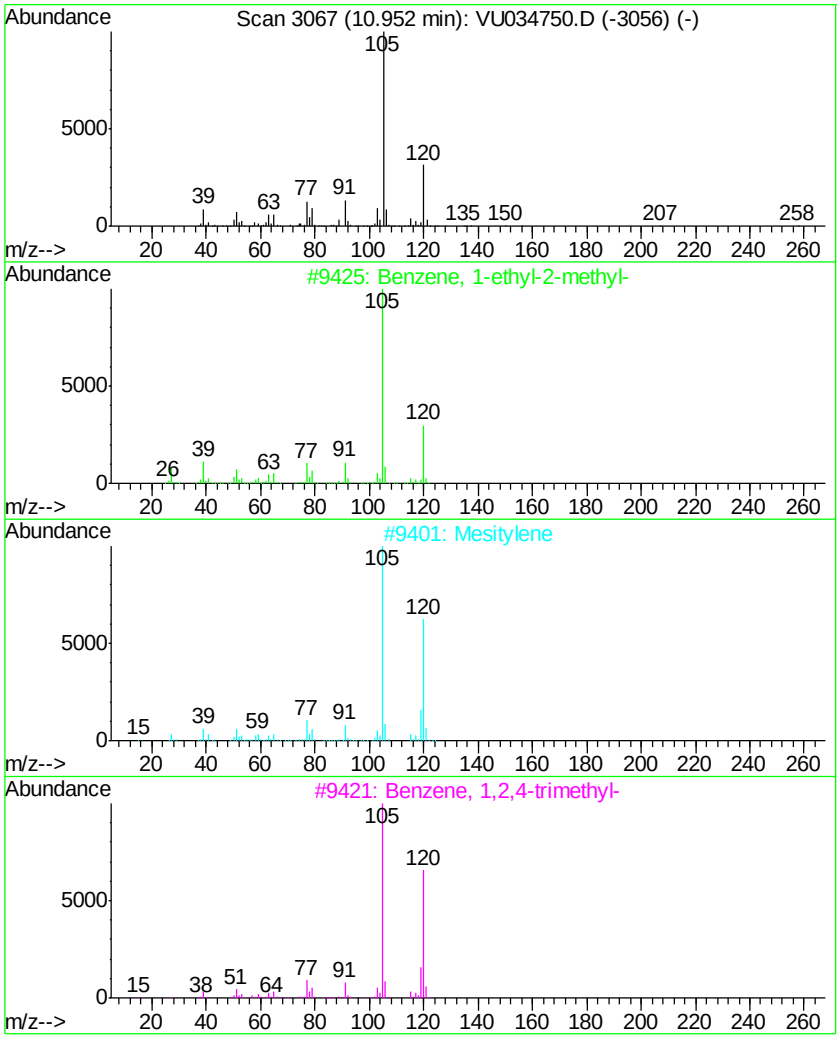
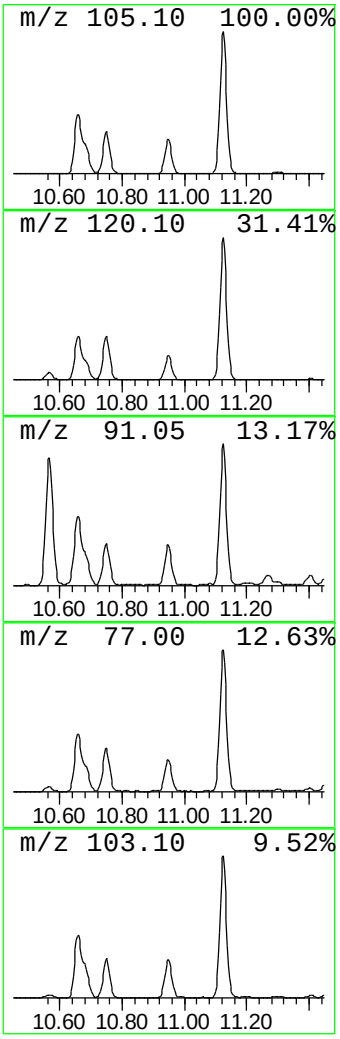
Peak Number 15 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	29.00 ug/L	945672	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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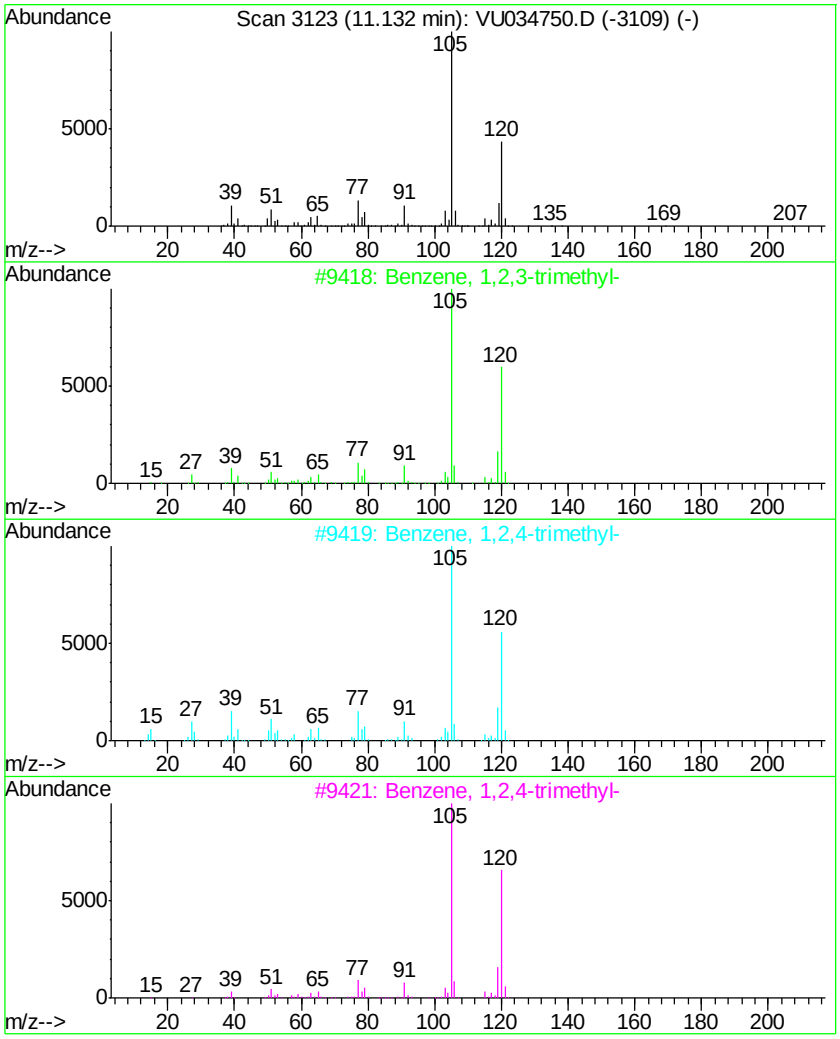
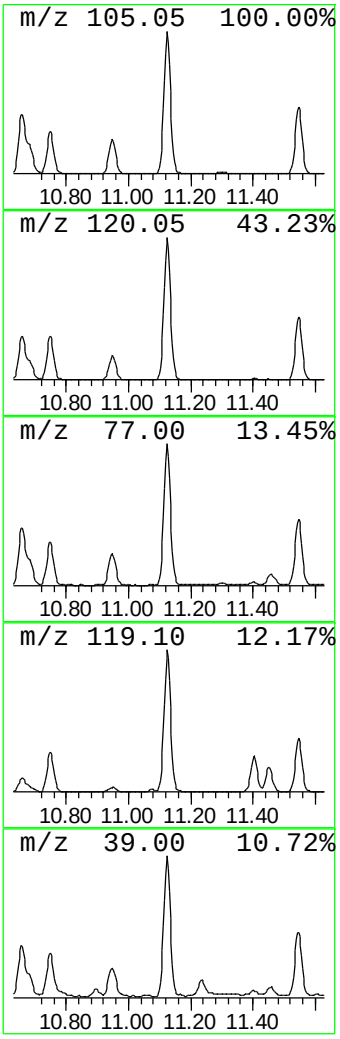
Peak Number 16 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	116.94 ug/L	3813920	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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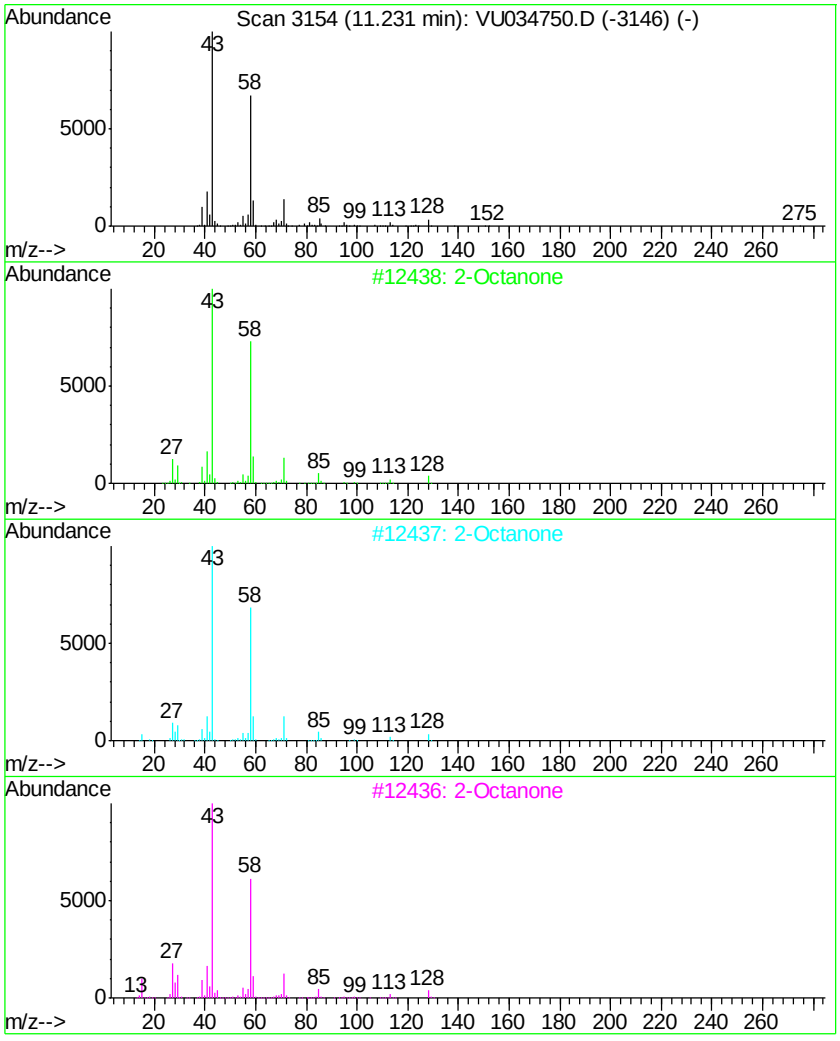
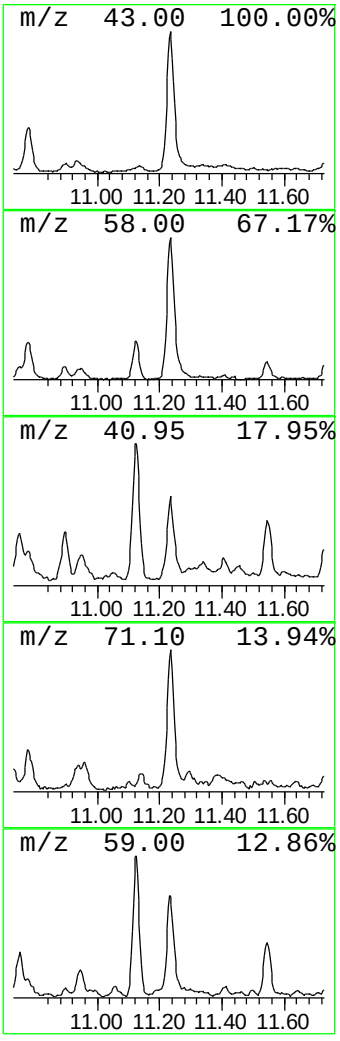
Peak Number 17 2-Octanone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	14.02 ug/L	457315	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octanone	128	C8H16O	000111-13-7	91
2	2-Octanone	128	C8H16O	000111-13-7	91
3	2-Octanone	128	C8H16O	000111-13-7	90
4	2-Octanone	128	C8H16O	000111-13-7	87
5	2-Heptanone, 6-methyl-	128	C8H16O	000928-68-7	78





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Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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Quant Title : VOC Analysis

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

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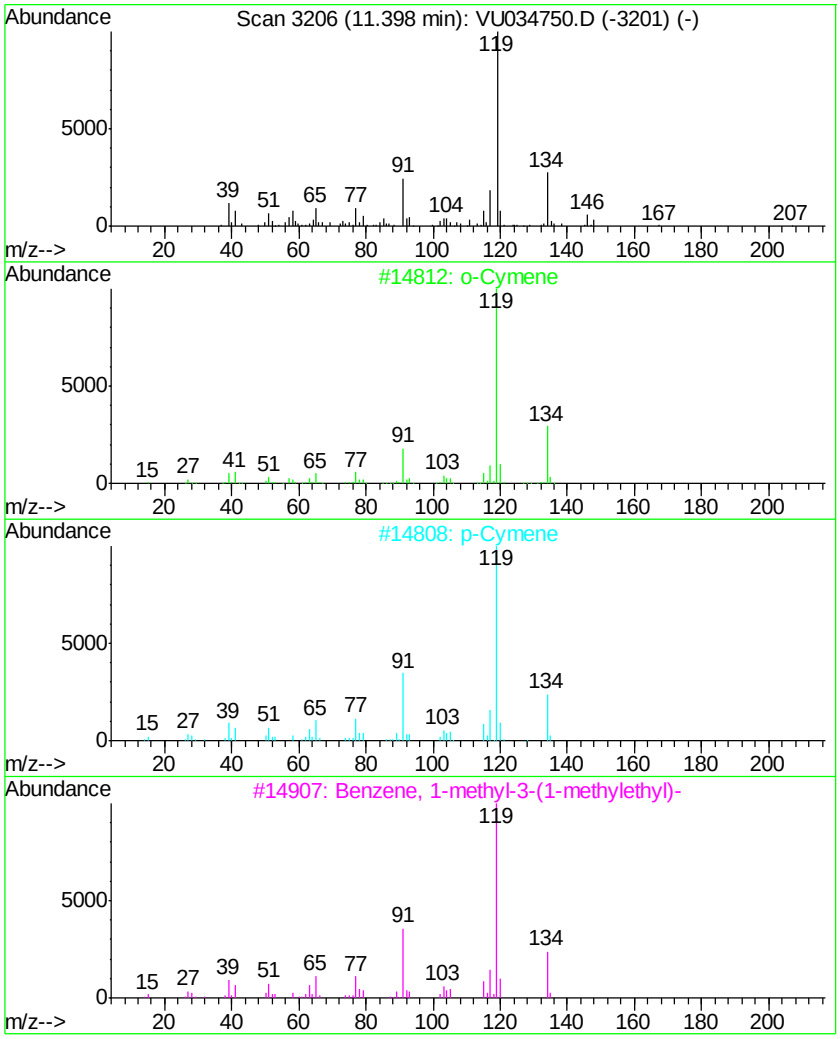
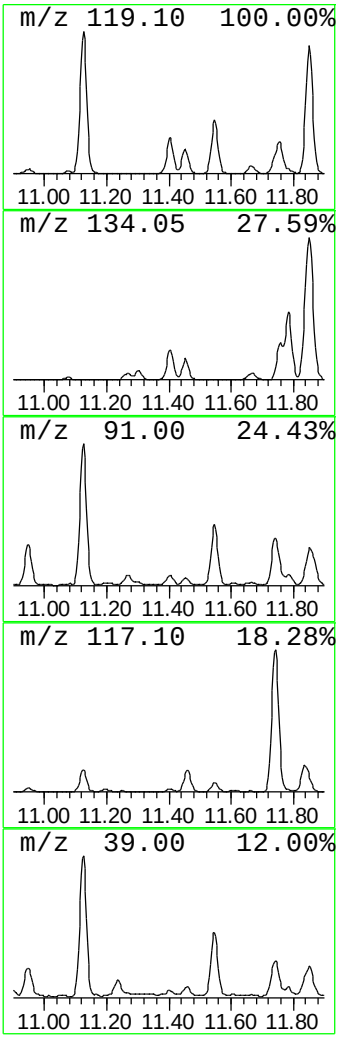
Peak Number 18 o-Cymene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.46 ug/L	112745	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	p-Cymene	134	C10H14	000099-87-6	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87





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Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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Quant Title : VOC Analysis

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

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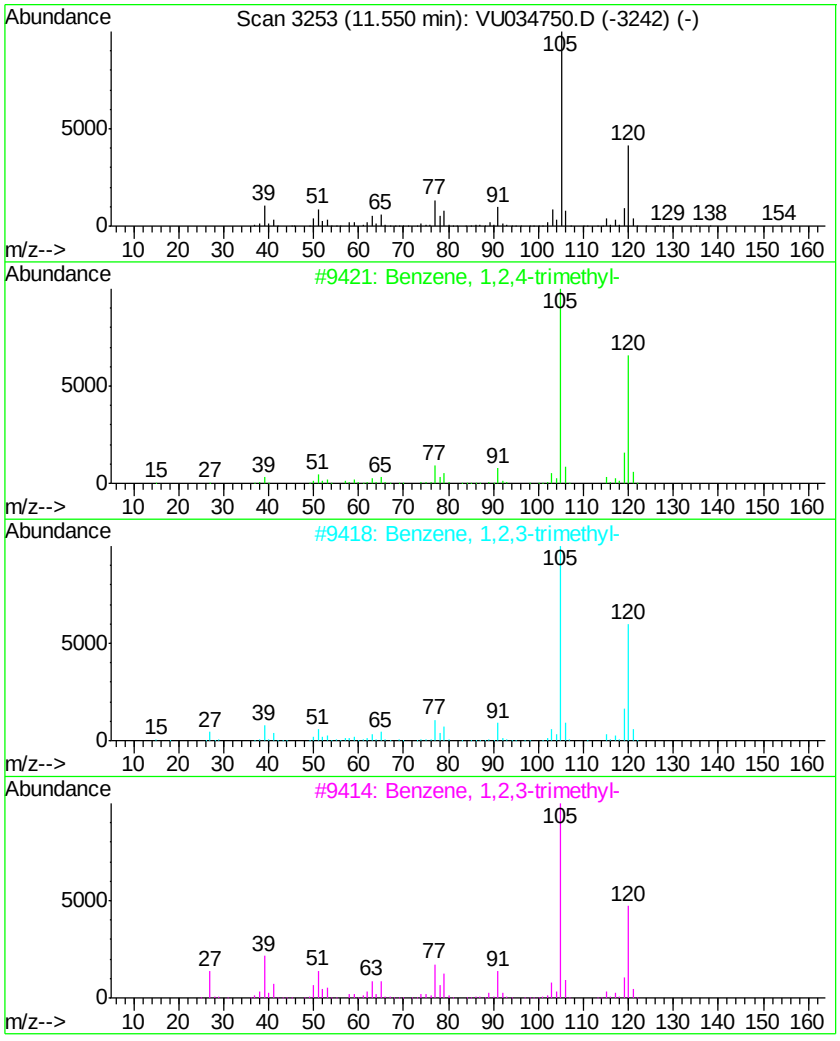
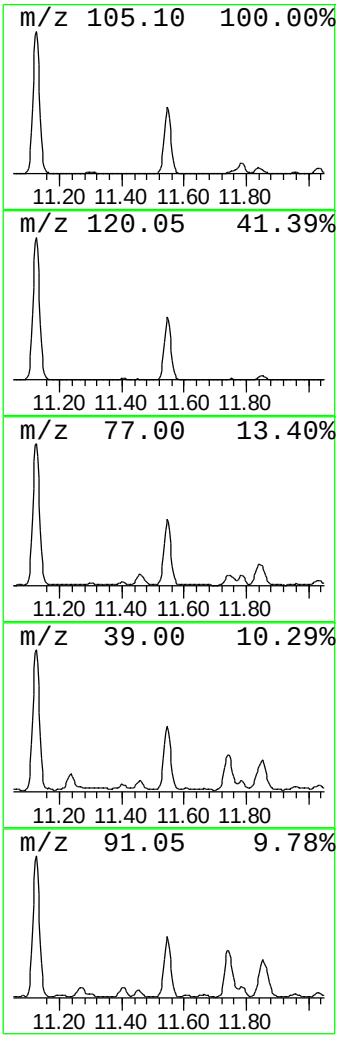
Peak Number 19 Benzene, 1,2,4-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	52.86 ug/L	1724060	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

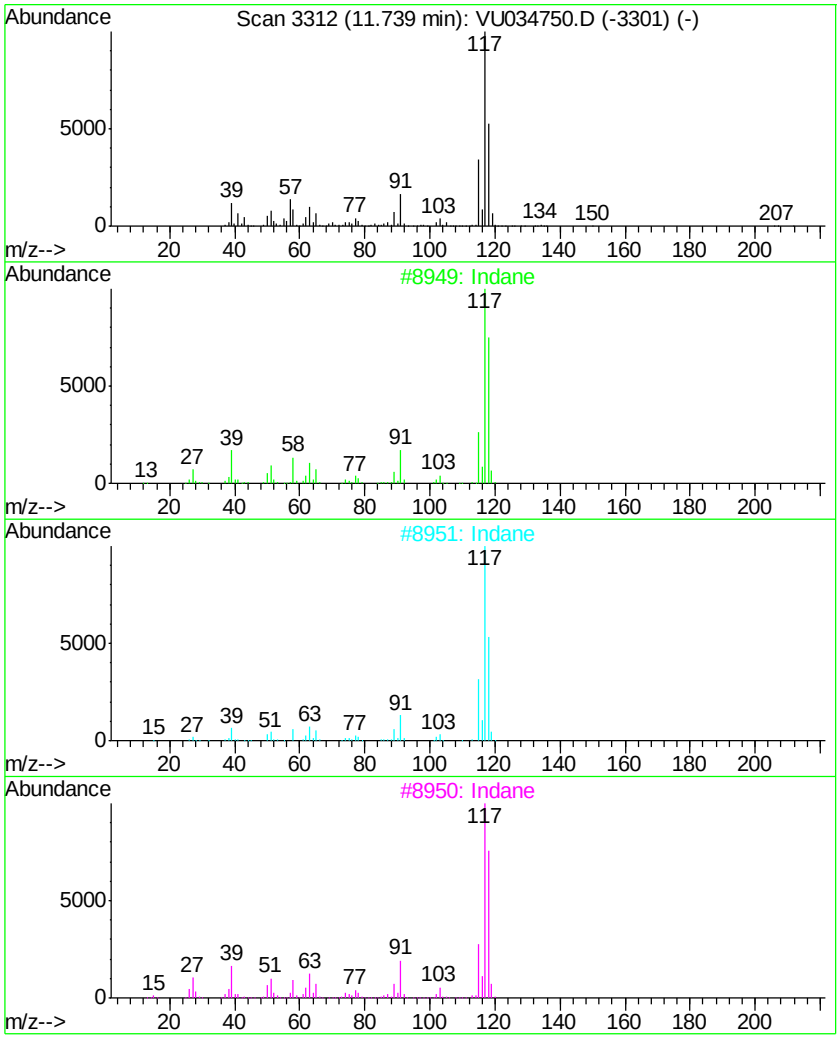
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

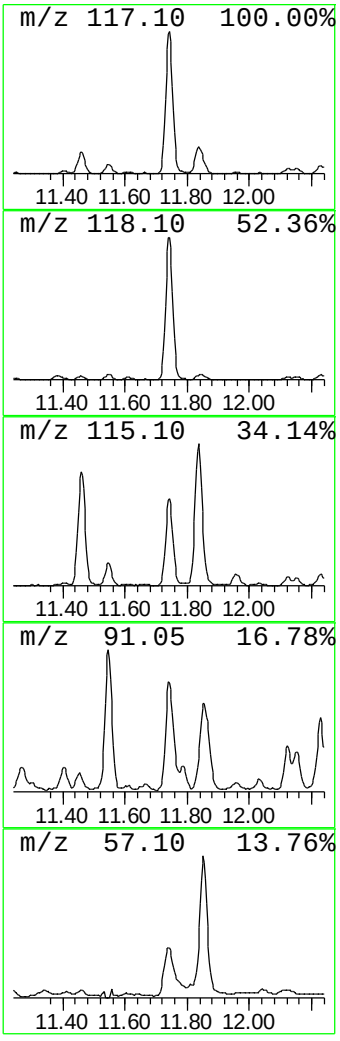
****

Peak Number 20 Indane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	39.51 ug/L	1288700	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

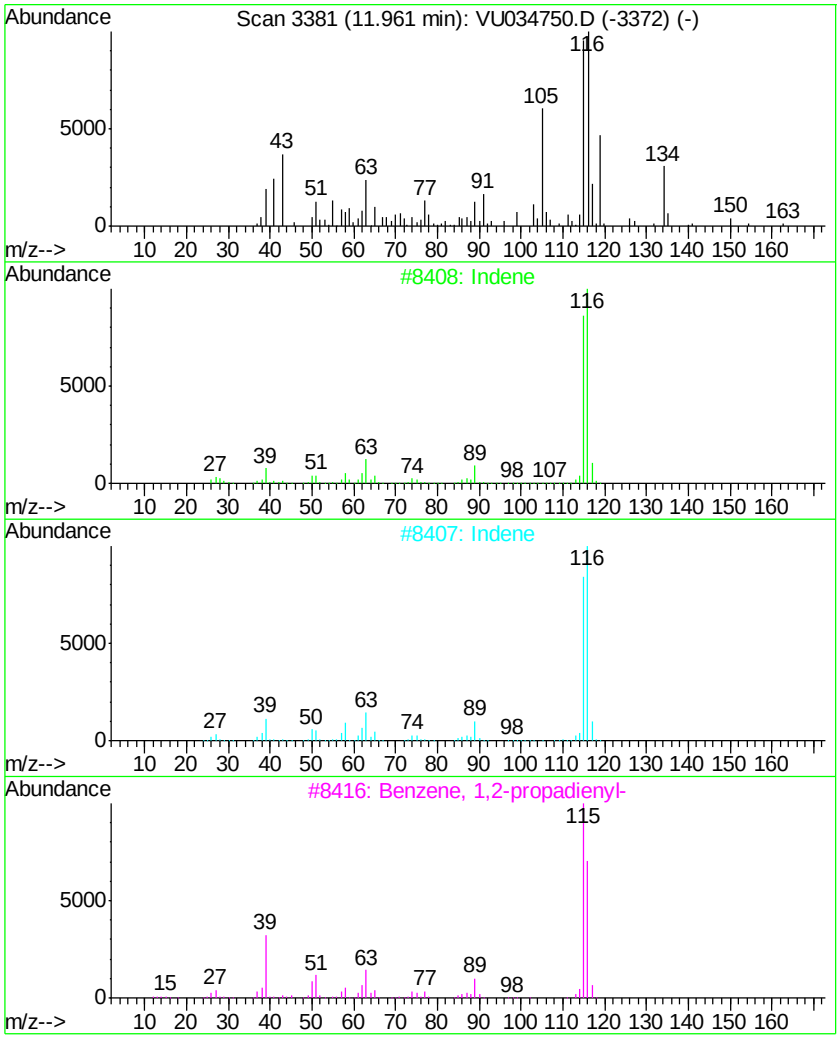
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

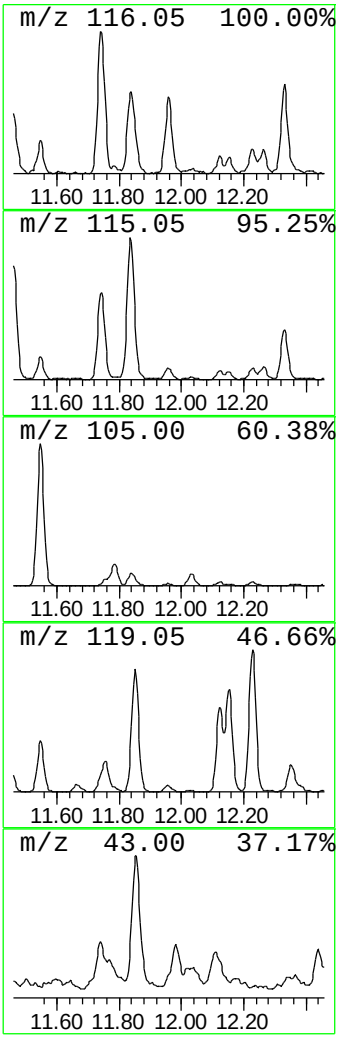
****

Peak Number 21 Indene Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.00 ug/L	130572	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	76
2	Indene	116	C9H8	000095-13-6	70
3	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	70
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	60
5	Indene	116	C9H8	000095-13-6	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

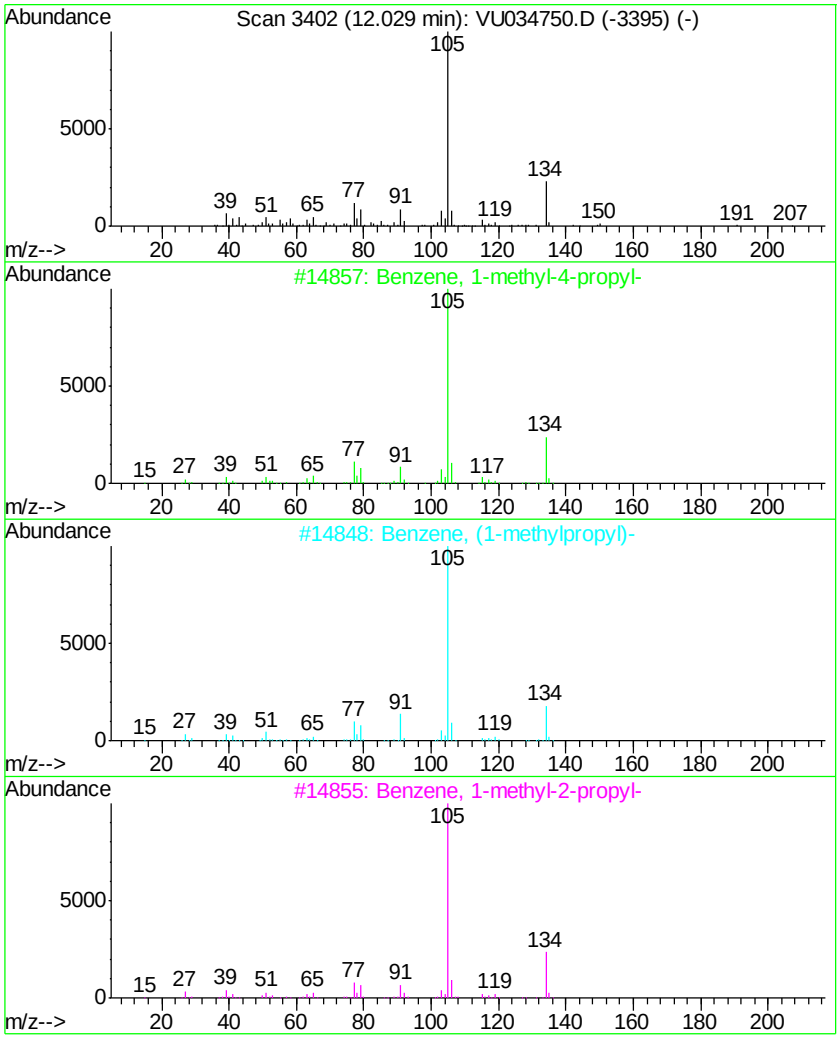
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

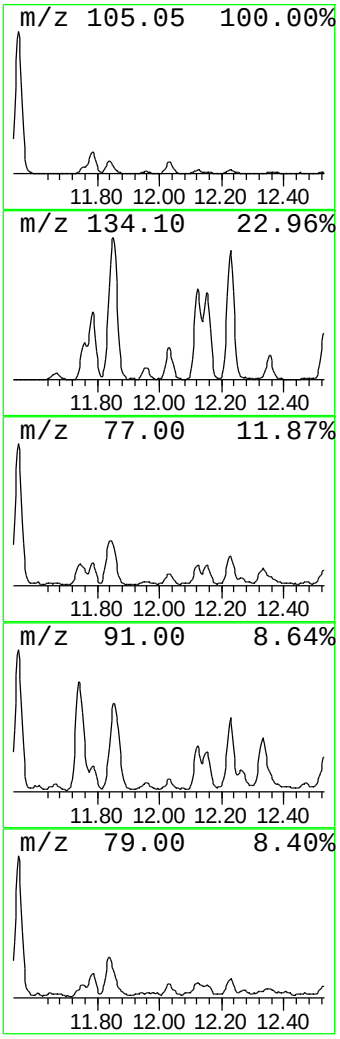
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Benzene, 1-methyl-4-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	5.03 ug/L	164093	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-methylpropyl)-	134	C10H14	000135-98-8	90
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	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

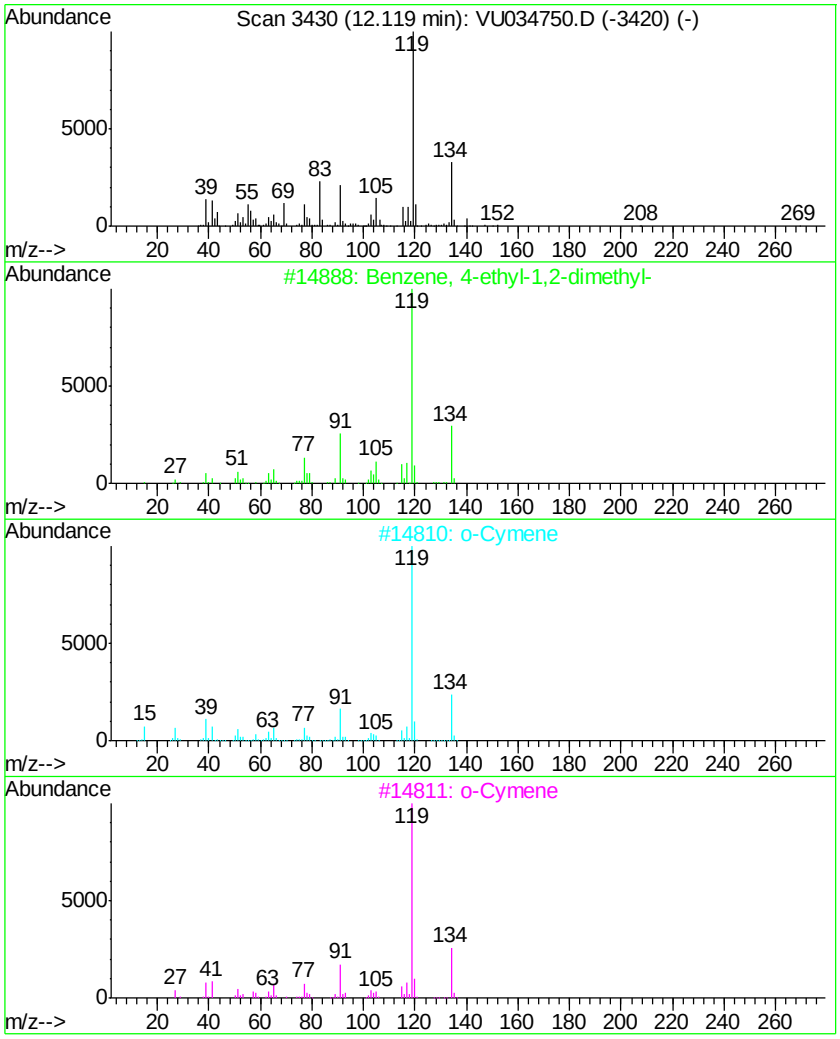
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

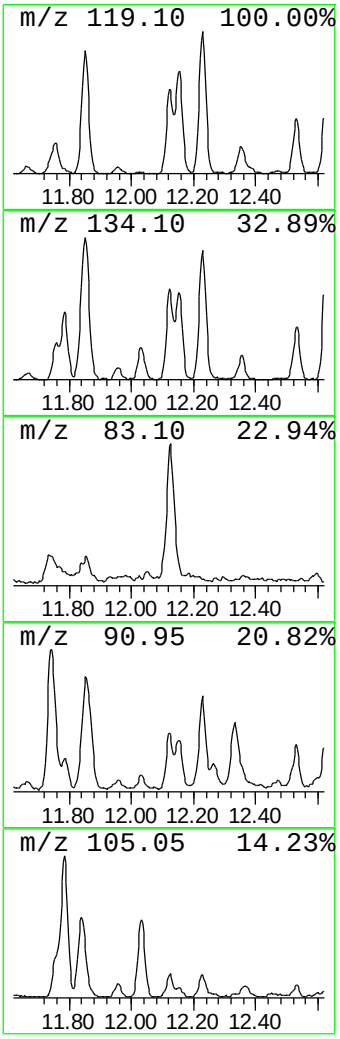
****

Peak Number 23 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	14.09 ug/L	459406	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	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

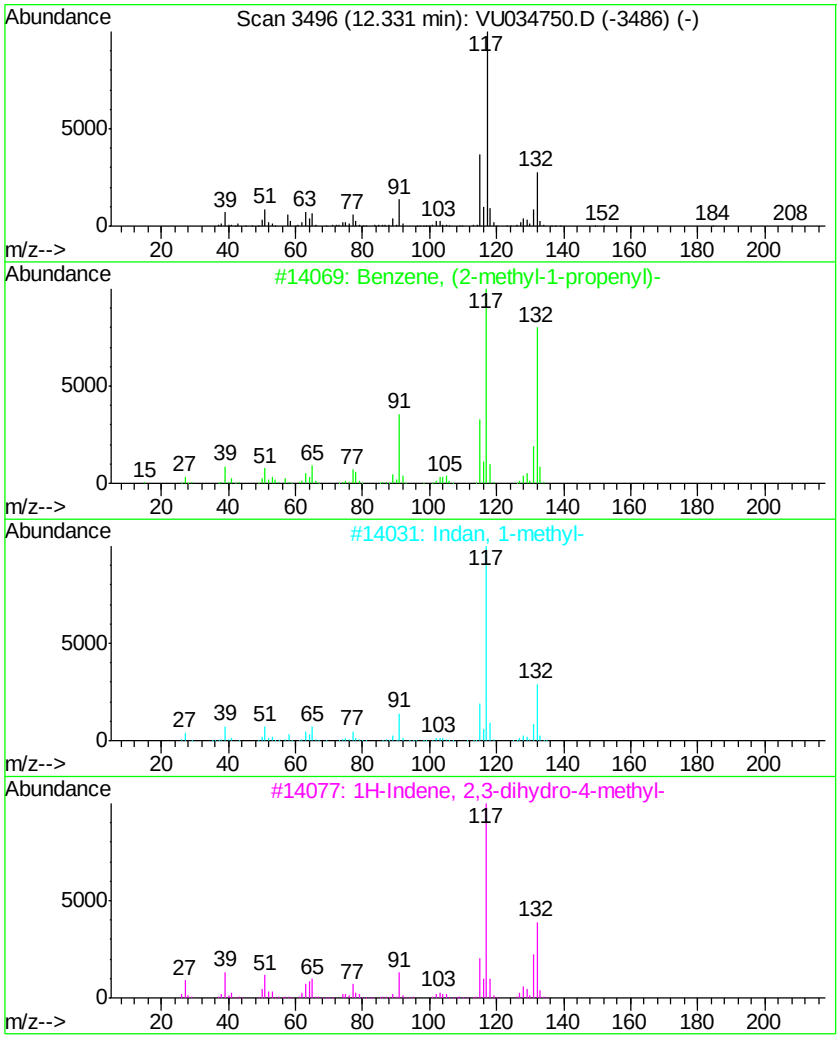
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

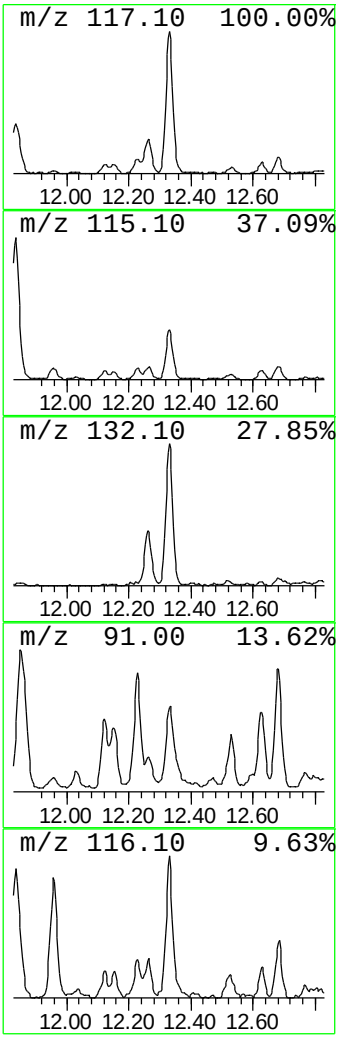
****

Peak Number 25 Benzene, (2-methyl-1-propen... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	18.07 ug/L	589396	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

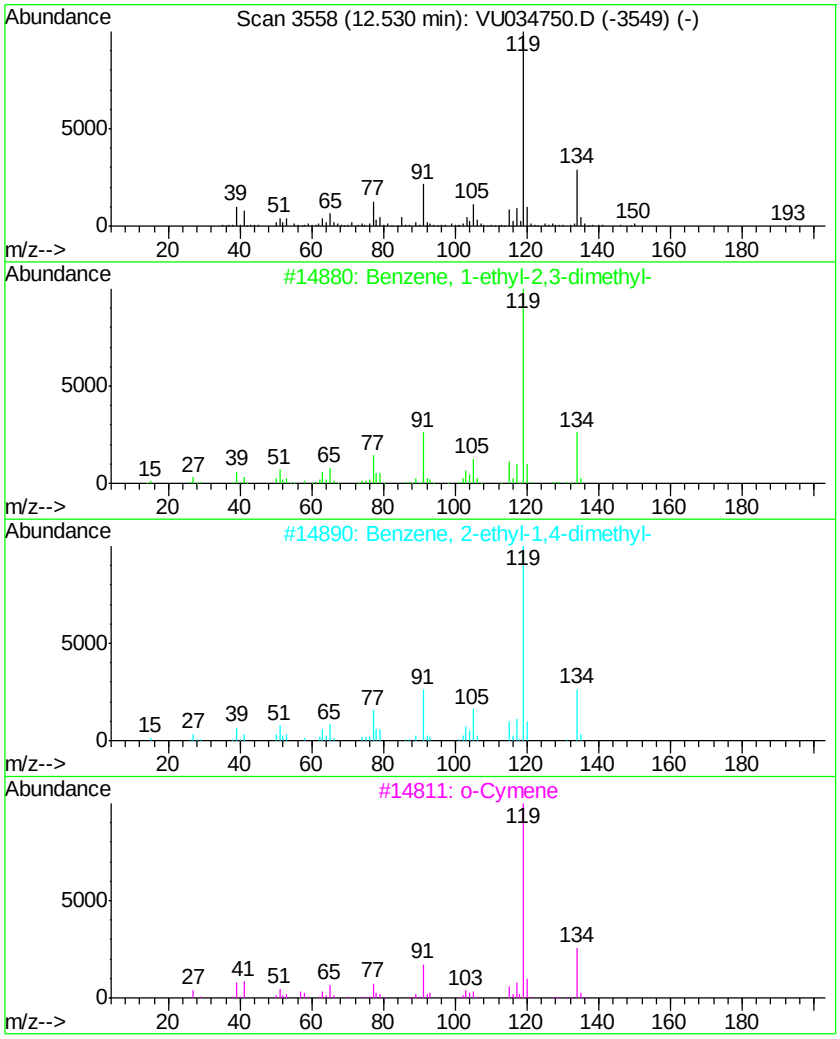
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

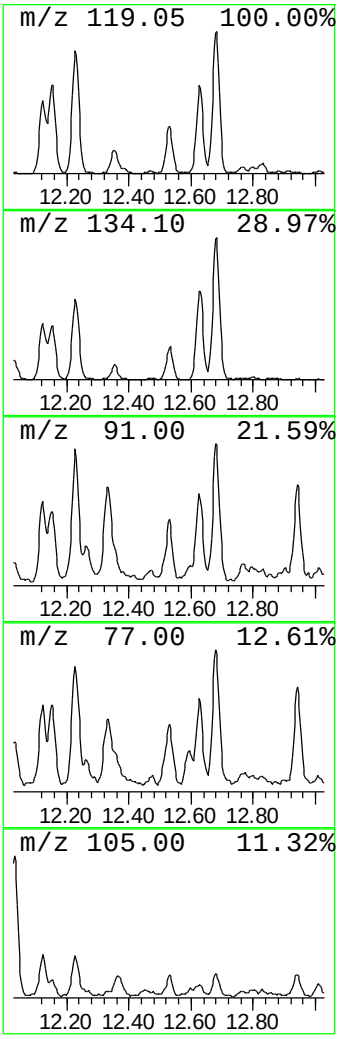
****

Peak Number 26 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	6.38 ug/L	208035	1,4-Dichlorobenzene-d4	11.46

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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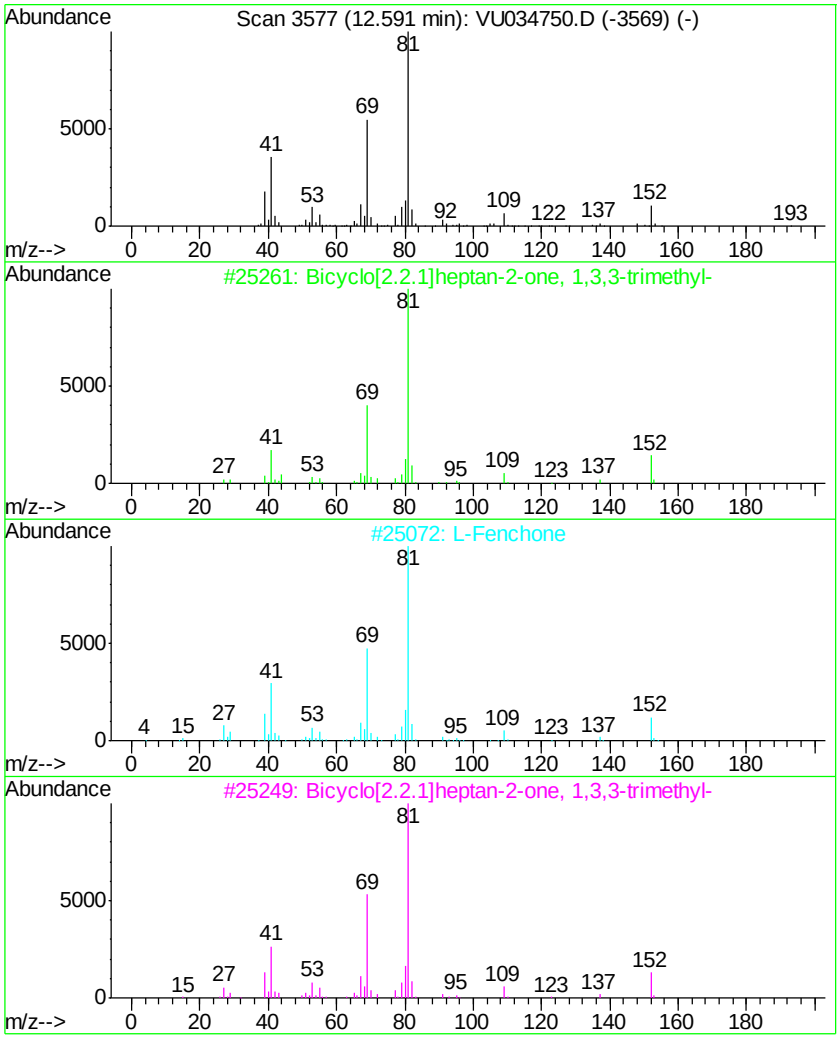
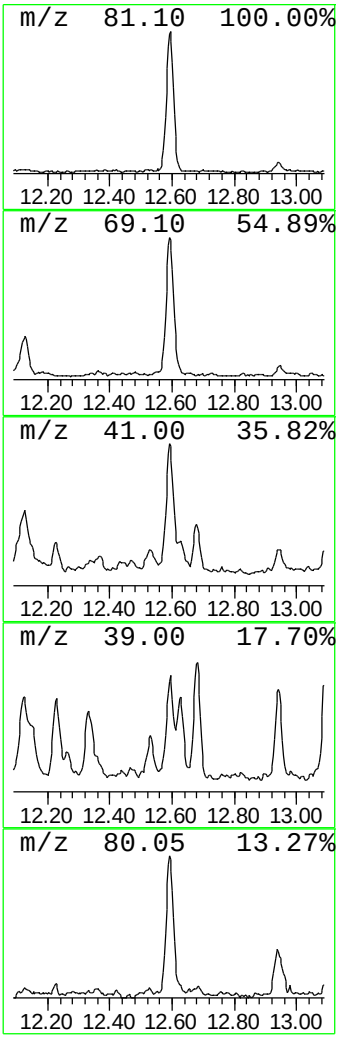
Peak Number 27 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	9.88 ug/L	322240	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91
2	L-Fenchone	152	C10H16O	007787-20-4	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	91
5	D-Fenchone	152	C10H16O	004695-62-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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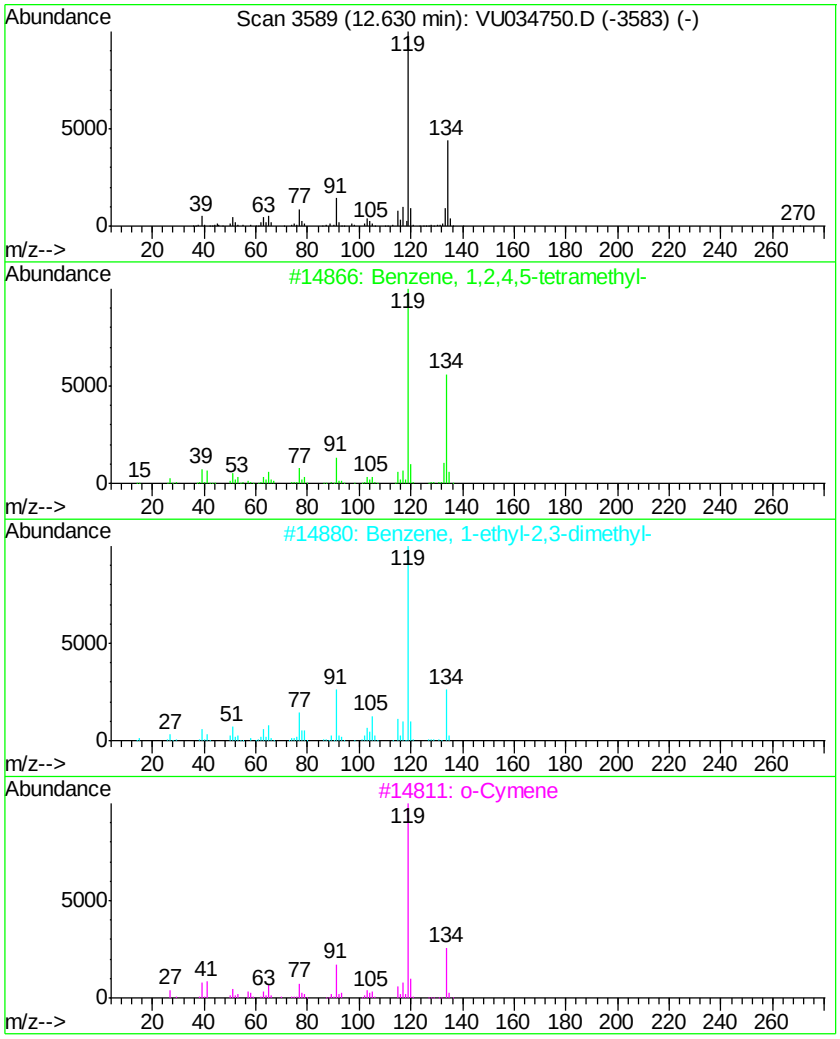
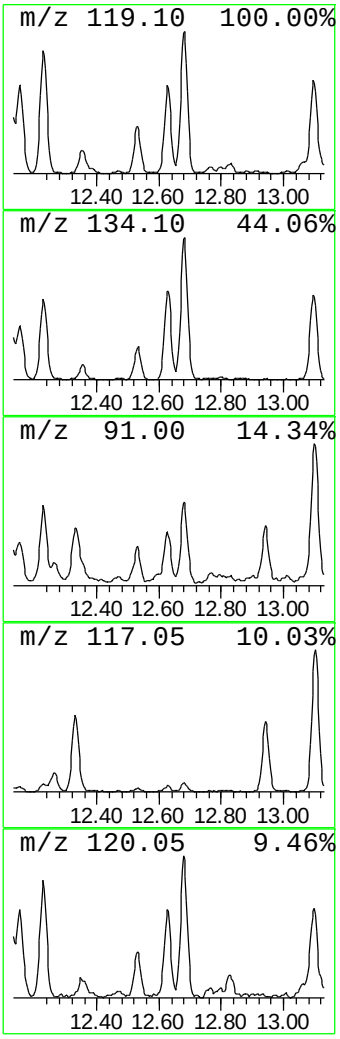
Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	9.96 ug/L	324901	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-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

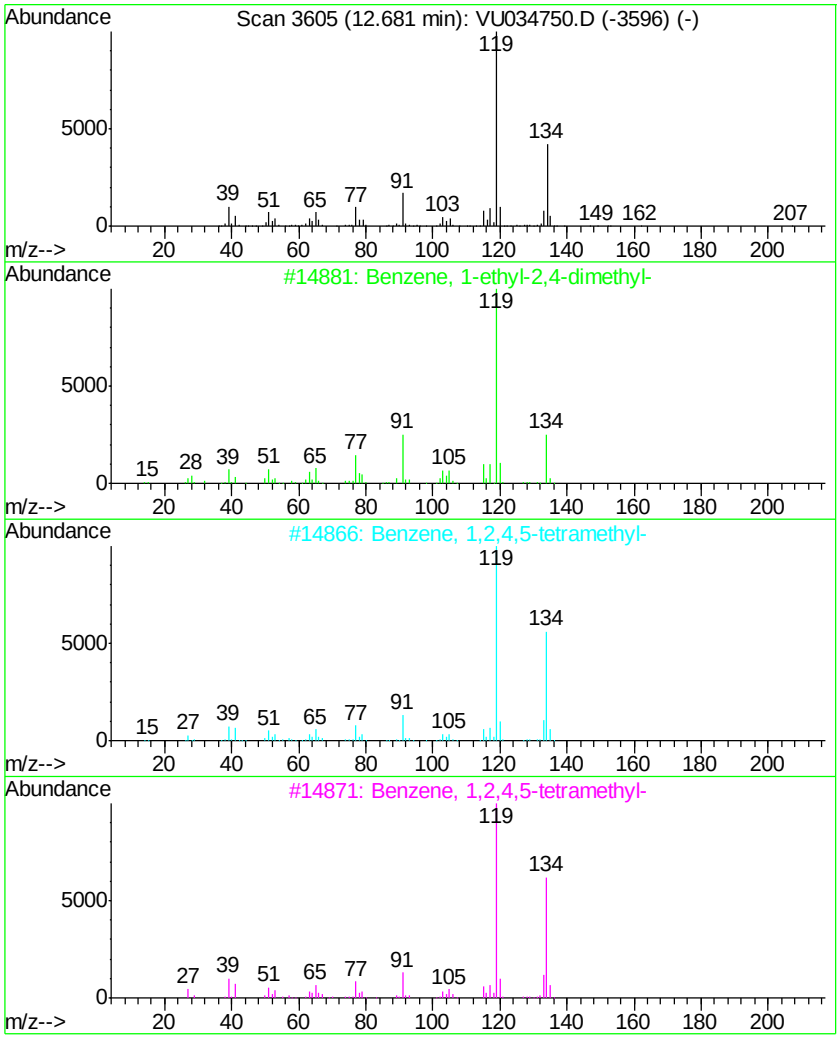
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

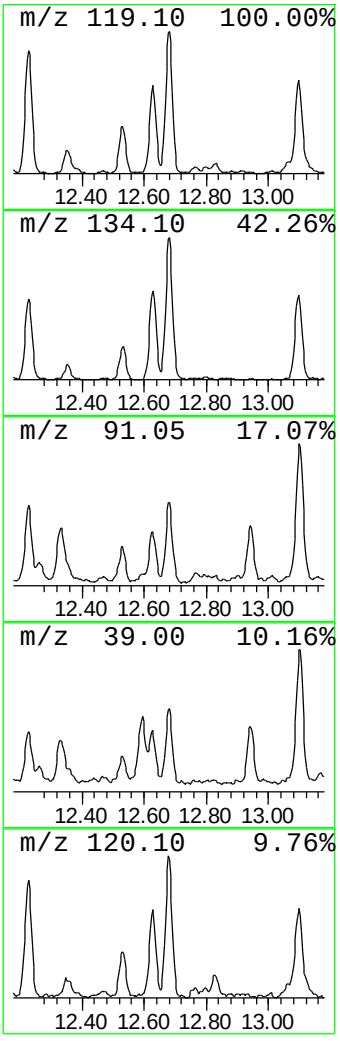
****

Peak Number 29 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	18.36 ug/L	598725	1,4-Dichlorobenzene-d4	11.46

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





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

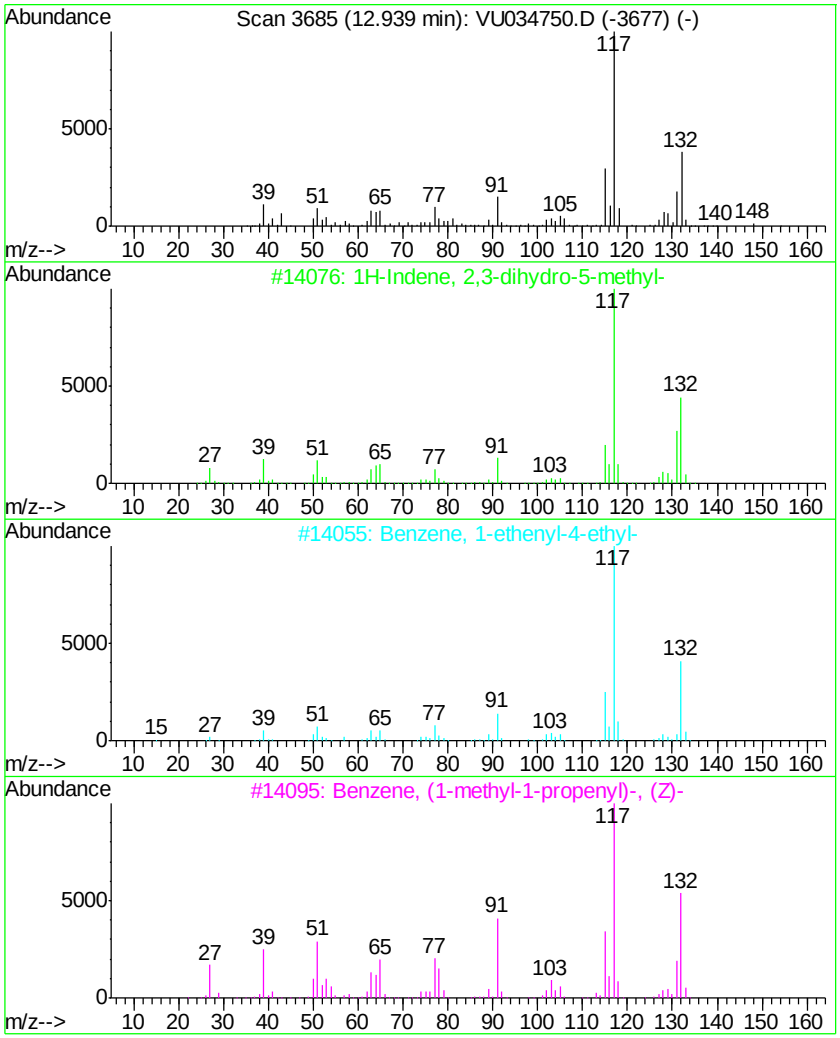
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis

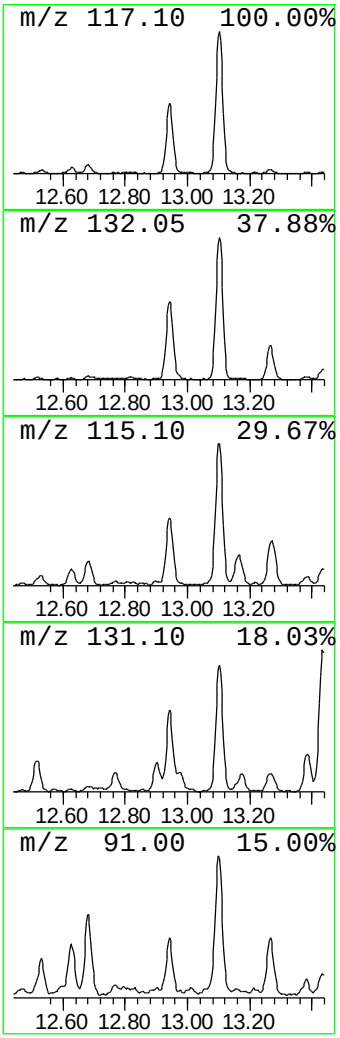
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	16.67 ug/L	543676	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





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Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

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

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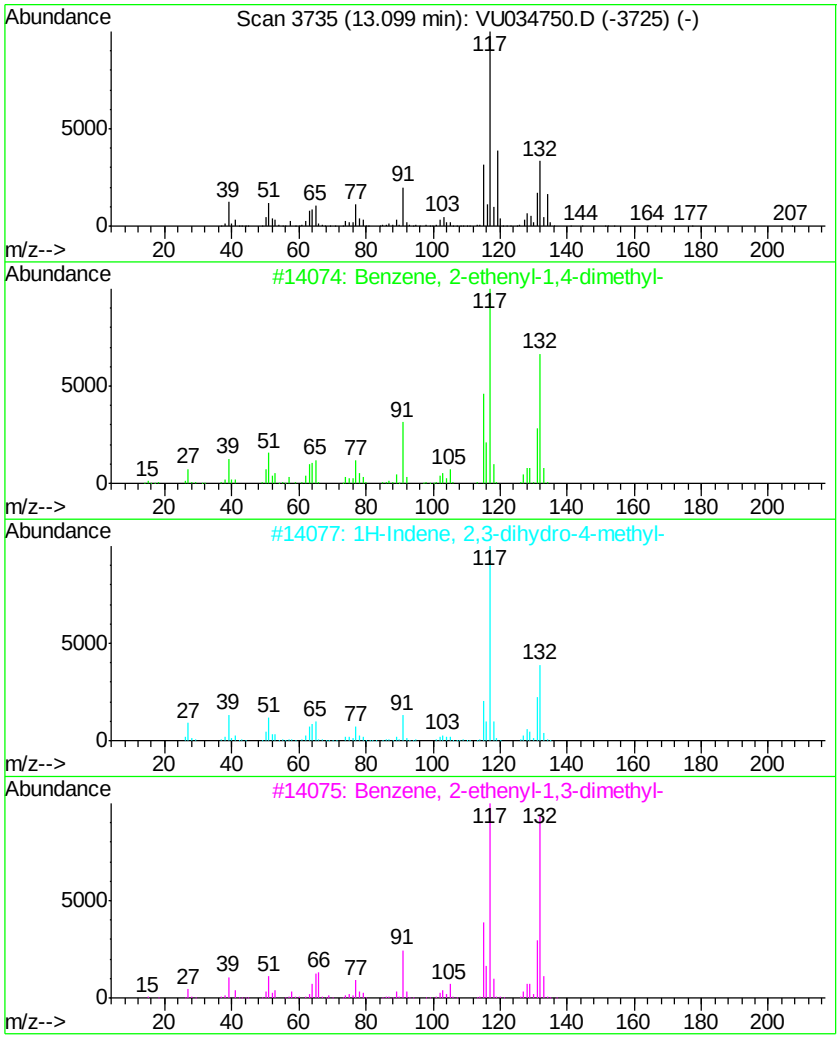
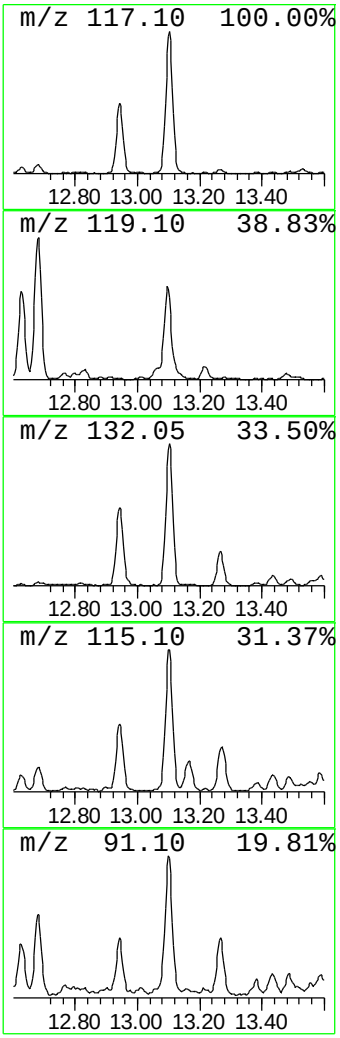
Peak Number 31 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	38.24 ug/L	1247200	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	92
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	89
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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

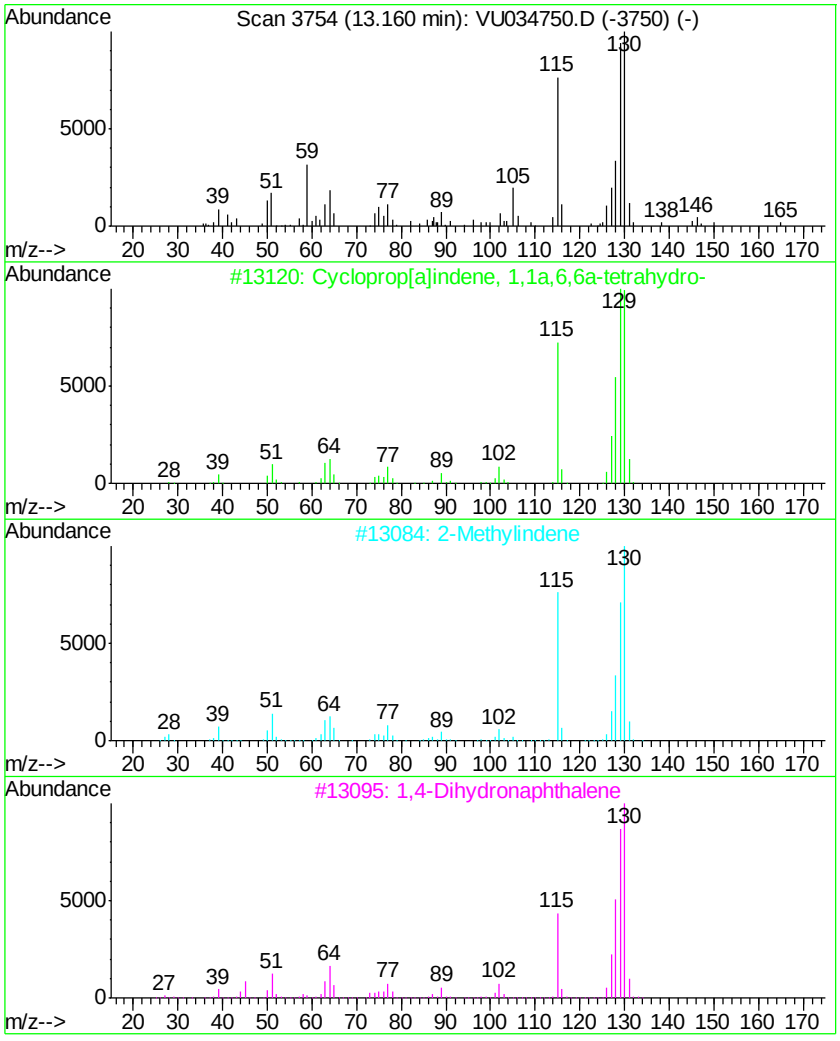
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

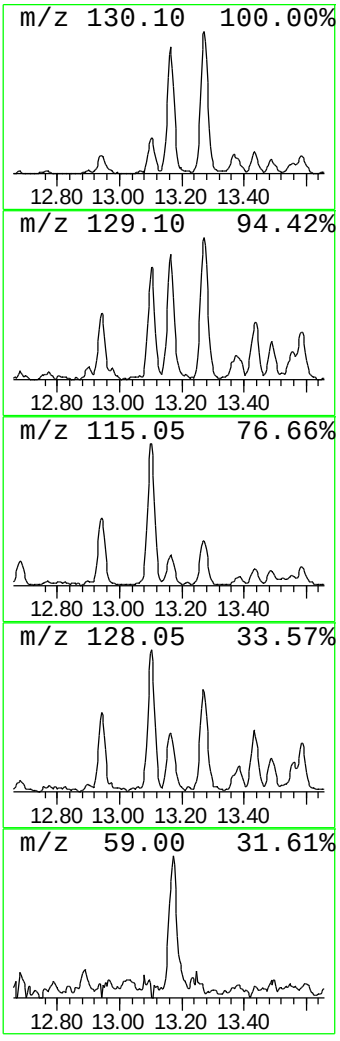
****

Peak Number 32 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.00 ug/L	130611	1,4-Dichlorobenzene-d4	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
2	2-Methylindene	130	C10H10	002177-47-1	93
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	92
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
5	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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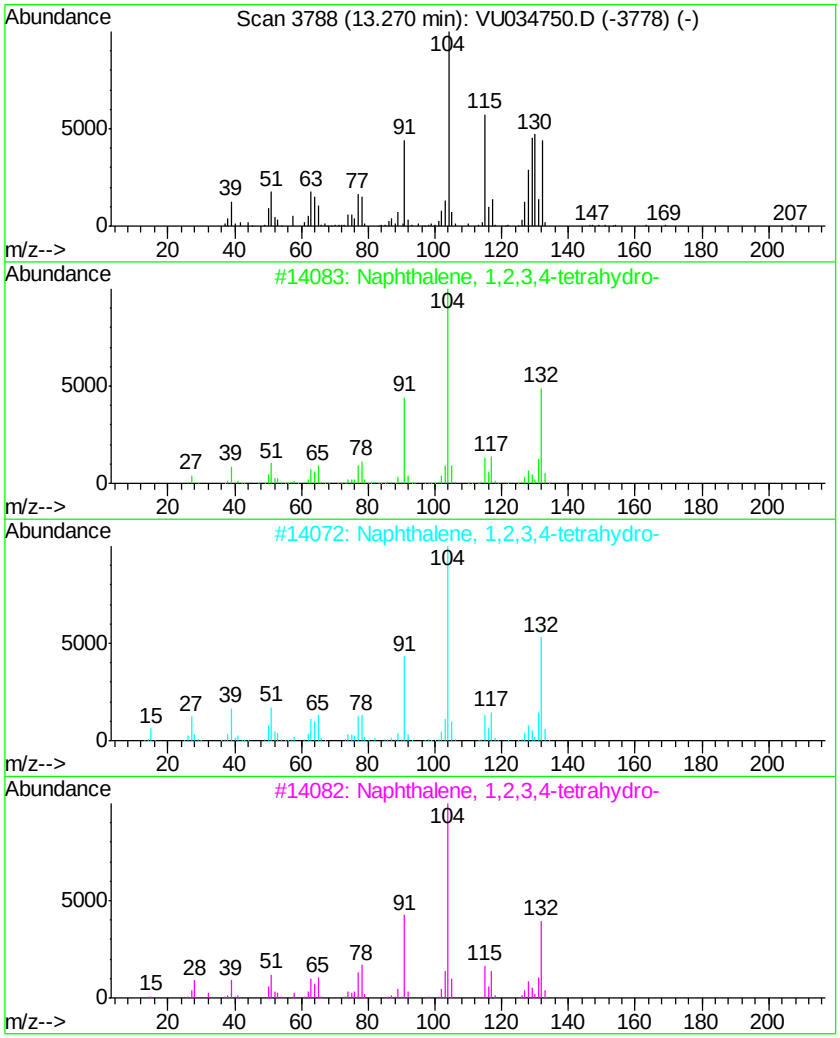
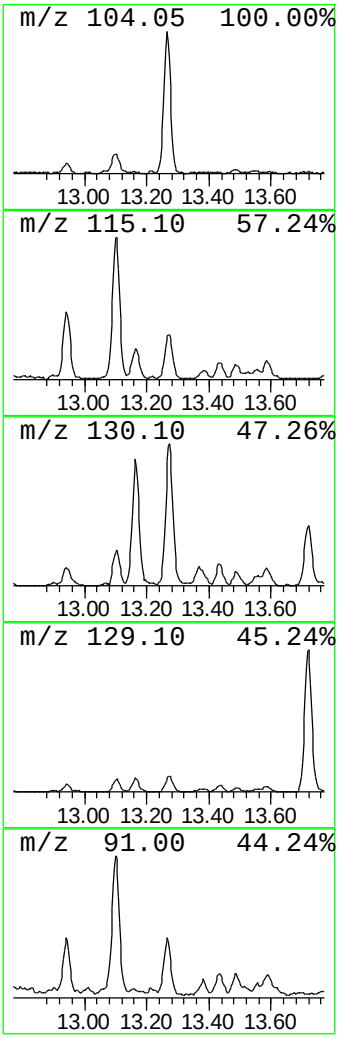
Peak Number 33 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	11.28 ug/L	367929	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	70
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	70
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	55
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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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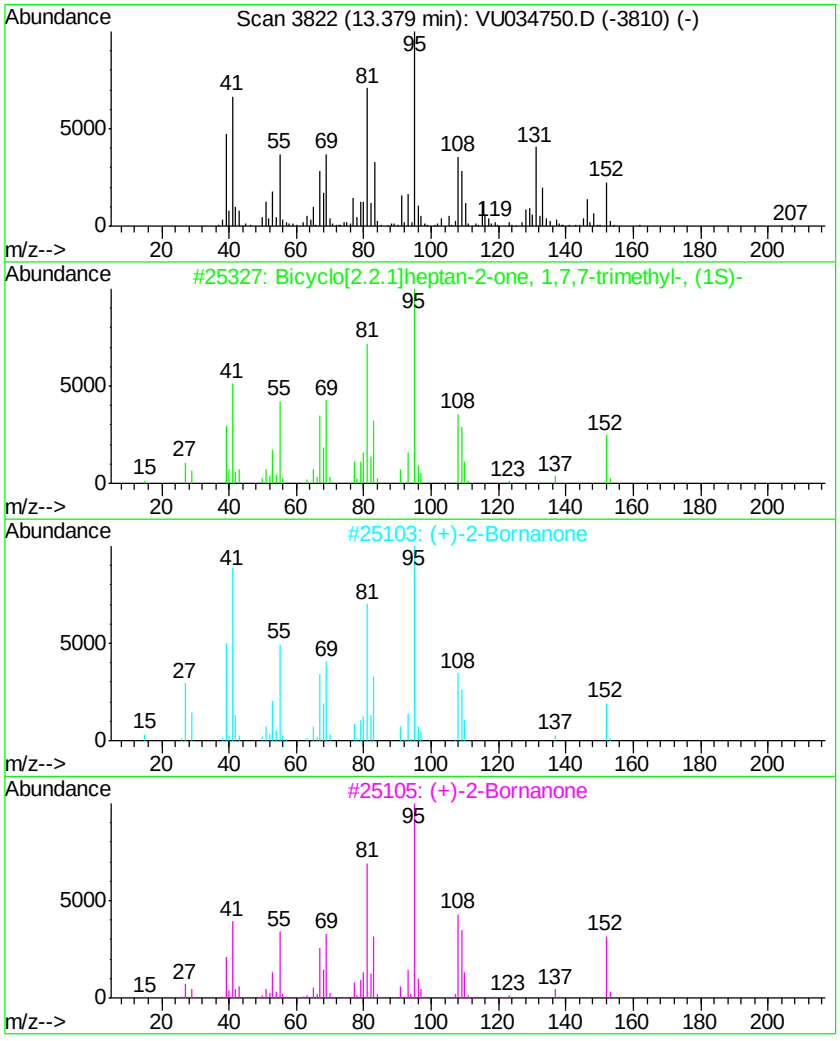
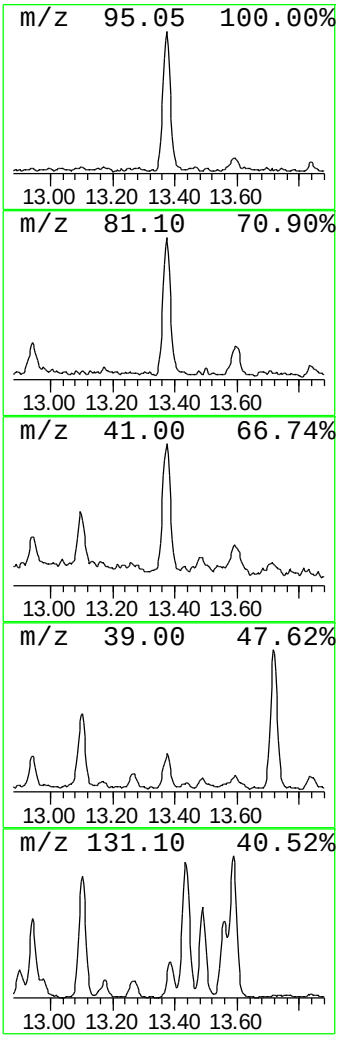
Peak Number 34 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	11.90 ug/L	388135	1,4-Dichlorobenzene-d4	11.46

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092319\
Data File : VU034750.D
Acq On : 23 Sep 2019 22:06
Operator : JC/SP
Sample : K4932-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BFDG8

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	2.8	ug/L	73781	1	5.86	1303050	50.0
1,4-Hexadiene, (Z)-	4.76	2.6	ug/L	67453	1	5.86	1303050	50.0
2-Heptanol, 6-met...	7.89	3.3	ug/L	109665	2	9.07	1680780	50.0
Propanoic acid, 2...	8.13	6.4	ug/L	215973	2	9.07	1680780	50.0
Thiophene, tetrah...	8.44	3.2	ug/L	106919	2	9.07	1680780	50.0
Butanoic acid, 1-...	8.88	4.0	ug/L	135046	2	9.07	1680780	50.0
2-Hexanol, 2,5-di...	9.42	4.7	ug/L	156915	2	9.07	1680780	50.0
Thiophene, tetrah...	9.48	3.3	ug/L	111299	2	9.07	1680780	50.0
2-Heptanone	9.90	6.2	ug/L	209752	2	9.07	1680780	50.0
Benzene, propyl-	10.57	9.8	ug/L	318486	3	11.46	1630750	50.0
2-Butanone, 3,3-d...	10.90	4.5	ug/L	145332	3	11.46	1630750	50.0
Benzene, 1-ethyl-...	10.95	29.0	ug/L	945672	3	11.46	1630750	50.0
Benzene, 1,2,3-tr...	11.13	116.9	ug/L	3813920	3	11.46	1630750	50.0
2-Octanone	11.23	14.0	ug/L	457315	3	11.46	1630750	50.0
o-Cymene	11.40	3.5	ug/L	112745	3	11.46	1630750	50.0
Benzene, 1,2,4-tr...	11.55	52.9	ug/L	1724060	3	11.46	1630750	50.0
Indane	11.74	39.5	ug/L	1288700	3	11.46	1630750	50.0
Indene	11.96	4.0	ug/L	130572	3	11.46	1630750	50.0
Benzene, 1-methyl...	12.03	5.0	ug/L	164093	3	11.46	1630750	50.0
Benzene, 4-ethyl-...	12.12	14.1	ug/L	459406	3	11.46	1630750	50.0
Benzene, (2-methy...	12.33	18.1	ug/L	589396	3	11.46	1630750	50.0
Benzene, 1-ethyl-...	12.53	6.4	ug/L	208035	3	11.46	1630750	50.0
Bicyclo[2.2.1]hep...	12.59	9.9	ug/L	322240	3	11.46	1630750	50.0
Benzene, 1,2,4,5-...	12.63	10.0	ug/L	324901	3	11.46	1630750	50.0
Benzene, 1-ethyl-...	12.68	18.4	ug/L	598725	3	11.46	1630750	50.0
1H-Indene, 2,3-di...	12.94	16.7	ug/L	543676	3	11.46	1630750	50.0
Benzene, 2-etheny...	13.10	38.2	ug/L	1247200	3	11.46	1630750	50.0
Cycloprop[a]inden...	13.16	4.0	ug/L	130611	3	11.46	1630750	50.0
Naphthalene, 1,2,...	13.27	11.3	ug/L	367929	3	11.46	1630750	50.0
Bicyclo[2.2.1]hep...	13.38	11.9	ug/L	388135	3	11.46	1630750	50.0