LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

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_V\METHOD\SOM2VLM050219S.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	1.209	33	37	41	rBV2	3662	3616	0.70%	0.089%
2	1.319	63	71	80	rVB	55577	55005	10.61%	1.358%
3	1.582	145	153	163	rBV	42278	48445	9.35%	1.196%
4	1.775	205	213	218	rVB4	933	1331	0.26%	0.033%
5	1.933	259	262	269	rVB4	630	684	0.13%	0.017%
6	1.971	269	274	280	rBV5	1303	1455	0.28%	0.036%
7	2.048	293	298	308	rVB5	1331	1928	0.37%	0.048%
8	2.129	312	323	335	rVV	97931	139541	26.92%	3.446%
9	2.187	335	341	351	rVB6	2154	3227	0.62%	0.080%
10	2.309	373	379	388	rVB5	1754	2596	0.50%	0.064%
11	2.537	442	450	459	rVB	5032	8097	1.56%	0.200%
12	2.804	529	533	536	rBV2	237	221	0.04%	0.005%
13	3.077	612	618	624	rBV	840	851	0.16%	0.021%
14	3.151	636	641	650	rBV2	278	435	0.08%	0.011%
15	3.618	780	786	790	rBV2	332	447	0.09%	0.011%
16	3.833	848	853	855	rBV	334	319	0.06%	0.008%
17	3.936	874	885	901	rBV	12408	30429	5.87%	0.752%
18	4.402	1013	1030	1055	rBV	89450	222936	43.00%	5.506%
19	4.714	1123	1127	1130	rBV2	310	258	0.05%	0.006%
20	4.968	1203	1206	1209	rBV	342	268	0.05%	0.007%
21	5.097	1228	1246	1272	rBV2	206384	518401	100.00%	12.803%
22	5.466	1358	1361	1368	rVB	362	401	0.08%	0.010%
23	5.662	1408	1422	1444	rBV	184115	376402	72.61%	9.296%
24	5.945	1501	1510	1521	rVB5	2199	4121	0.79%	0.102%
25	6.016	1526	1532	1535	rBV2	292	308	0.06%	0.008%
26	6.068	1541	1548	1550	rBV2	177	224	0.04%	0.006%
27	6.116	1550	1563	1590	rBV2	116027	241952	46.67%	5.975%
28	6.338	1628	1632	1636	rVB	443	350	0.07%	0.009%
29	6.360	1636	1639	1645	rBV2	386	447	0.09%	0.011%
30	6.399	1645	1651	1653	rBV2	181	212	0.04%	0.005%
31	6.560	1697	1701	1705	rVB2	346	278	0.05%	0.007%
32	6.585	1705	1709	1712	rBV	217	238	0.05%	0.006%
33	6.675	1730	1737	1741	rVB2	267	332	0.06%	0.008%
34	6.698	1741	1744	1749	rBV2	275	294	0.06%	0.007%

LSC Area Percent Report

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Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

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_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

35	6.775	1765	1768	1772	rBV	244	210	0.04%	0.005%
36	6.810	1776	1779	1787	rVB2	397	371	0.07%	0.009%
37	6.849	1787	1791	1794	rBV2	308	335	0.06%	0.008%
38	7.029	1835	1847	1866	rBV	59212	106896	20.62%	2.640%
39	7.145	1877	1883	1886	rBV3	288	401	0.08%	0.010%
40	7.203	1896	1901	1905	rBV3	370	398	0.08%	0.010%
41	7.360	1933	1950	1967	rBV	249971	451787	87.15%	11.158%
42	7.611	2025	2028	2031	rVB2	326	213	0.04%	0.005%
43	7.662	2031	2044	2062	rBV	35693	60428	11.66%	1.492%
44	7.833	2094	2097	2102	rBV2	455	371	0.07%	0.009%
45	7.871	2106	2109	2115	rBV3	377	368	0.07%	0.009%
46	7.907	2116	2120	2125	rBV2	200	217	0.04%	0.005%
47	7.949	2130	2133	2134	rVV	341	210	0.04%	0.005%
48	7.978	2137	2142	2148	rVV2	754	848	0.16%	0.021%
49	8.019	2148	2155	2162	rVB6	2679	3936	0.76%	0.097%
50	8.132	2180	2190	2205	rBV	43725	78740	15.19%	1.945%
51	8.373	2262	2265	2268	rVB2	330	246	0.05%	0.006%
52	8.402	2268	2274	2277	rBV2	302	372	0.07%	0.009%
53	8.473	2290	2296	2300	rBV	438	487	0.09%	0.012%
54	8.502	2300	2305	2309	rVV	263	246	0.05%	0.006%
55	8.595	2330	2334	2337	rBV	265	212	0.04%	0.005%
56	8.649	2348	2351	2355	rVB2	346	218	0.04%	0.005%
57	8.672	2355	2358	2366	rBV2	286	398	0.08%	0.010%
58	8.897	2412	2428	2463	rBV	266205	455294	87.83%	11.244%
59	9.048	2472	2475	2478	rBV2	294	263	0.05%	0.006%
60	9.180	2510	2516	2525	rVB3	925	1206	0.23%	0.030%
61	9.608	2637	2649	2670	rVB	17961	30554	5.89%	0.755%
62	9.817	2711	2714	2720	rVB2	242	219	0.04%	0.005%
63	9.881	2729	2734	2736	rBV	195	212	0.04%	0.005%
64	9.910	2739	2743	2745	rBV2	312	270	0.05%	0.007%
65	10.260	2841	2852	2868	rVV	86255	136319	26.30%	3.367%
66	10.328	2868	2873	2880	rVB2	234	327	0.06%	0.008%
67	10.424	2896	2903	2911	rVB3	1484	1940	0.37%	0.048%
68	10.498	2916	2926	2928	rBV2	595	762	0.15%	0.019%
69	10.553	2937	2943	2945	rBV2	975	1102	0.21%	0.027%
70	10.585	2949	2953	2960	rVB3	1393	1529	0.29%	0.038%
71	10.666	2975	2978	2984	rVB2	310	287	0.06%	0.007%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
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Sample : K2603-04
Misc : 5.09G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

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 >
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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Title : VOC Analysis

72	10.920	3053	3057	3060	rVV4	423	349	0.07%	0.009%
73	10.958	3063	3069	3074	rVV4	1337	1618	0.31%	0.040%
74	11.029	3078	3091	3101	rBV	26801	40553	7.82%	1.002%
75	11.077	3101	3106	3117	rVB4	6058	9122	1.76%	0.225%
76	11.135	3117	3124	3126	rBV2	401	565	0.11%	0.014%
77	11.196	3136	3143	3147	rBV6	1469	1804	0.35%	0.045%
78	11.238	3151	3156	3162	rVB3	869	1080	0.21%	0.027%
79	11.292	3162	3173	3192	rBV	229261	375543	72.44%	9.275%
80	11.370	3193	3197	3198	rBV3	964	672	0.13%	0.017%
81	11.434	3212	3217	3218	rBV2	487	364	0.07%	0.009%
82	11.530	3243	3247	3252	rVB2	468	320	0.06%	0.008%
83	11.592	3253	3266	3270	rBV8	2405	4416	0.85%	0.109%
84	11.672	3279	3291	3307	rVB	220369	358552	69.16%	8.855%
85	11.752	3310	3316	3318	rBV4	827	880	0.17%	0.022%
86	11.791	3319	3328	3336	rBV	18764	29699	5.73%	0.733%
87	11.964	3373	3382	3383	rBV5	2277	2658	0.51%	0.066%
88	12.035	3399	3404	3407	rBV6	2756	3224	0.62%	0.080%
89	12.119	3424	3430	3439	rVB8	3239	4786	0.92%	0.118%
90	12.241	3459	3468	3477	rVV4	27323	40118	7.74%	0.991%
91	12.302	3478	3487	3497	rVB8	11288	19160	3.70%	0.473%
92	12.514	3544	3553	3566	rBV4	19604	38958	7.52%	0.962%
93	12.640	3584	3592	3596	rBV4	8768	12501	2.41%	0.309%
94	12.720	3614	3617	3618	rBV3	1228	765	0.15%	0.019%
95	12.887	3663	3669	3672	rBV7	2004	2632	0.51%	0.065%
96	12.926	3673	3681	3695	rVV4	21560	38516	7.43%	0.951%
97	12.993	3697	3702	3712	rVB5	6870	10551	2.04%	0.261%
98	13.103	3726	3736	3746	rVB8	15158	31443	6.07%	0.777%
99	15.865	4590	4595	4600	rVB6	6507	7518	1.45%	0.186%
100	15.987	4627	4633	4639	rBV9	4618	6493	1.25%	0.160%

Sum of corrected areas: 4049101

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
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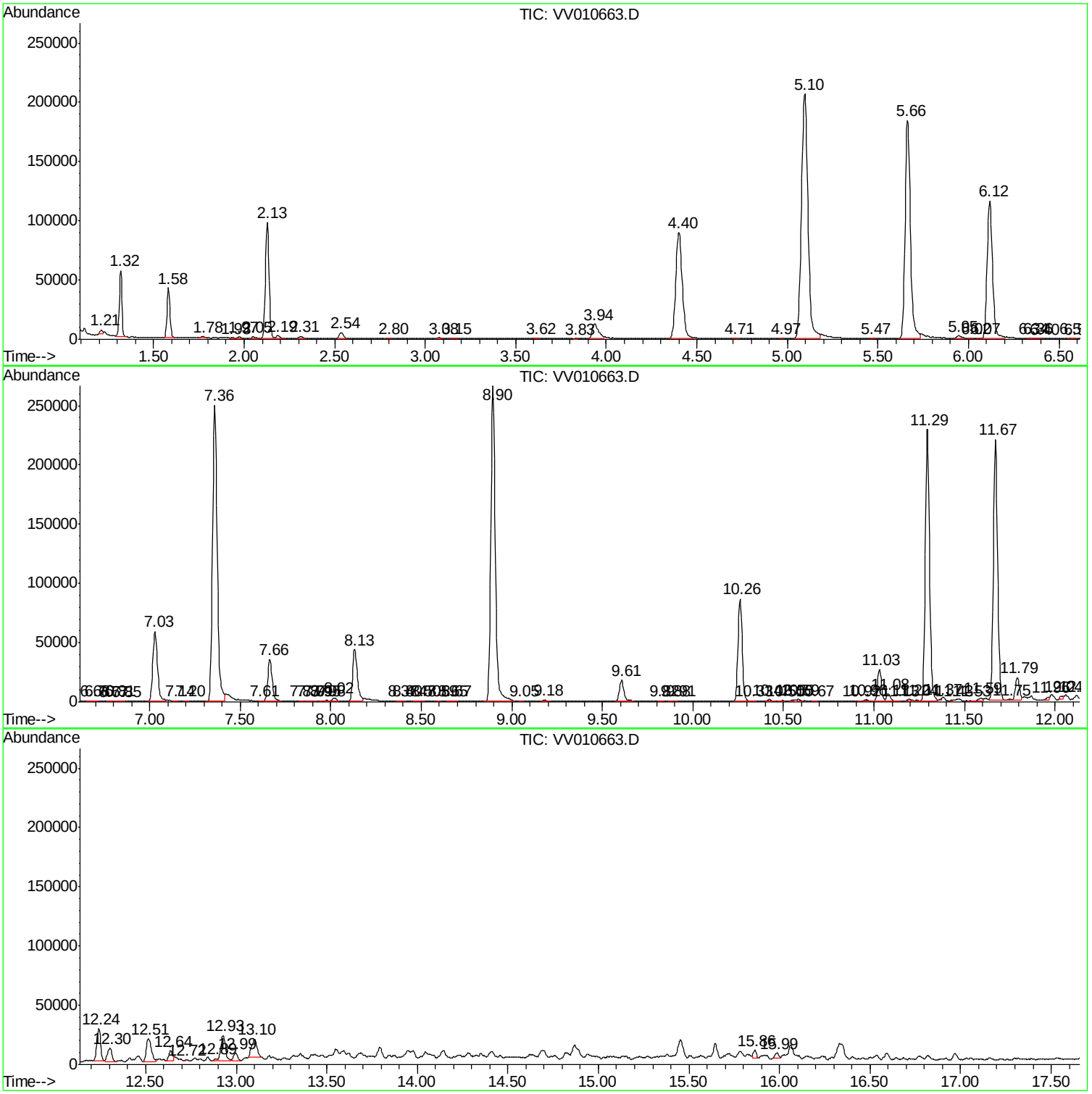
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
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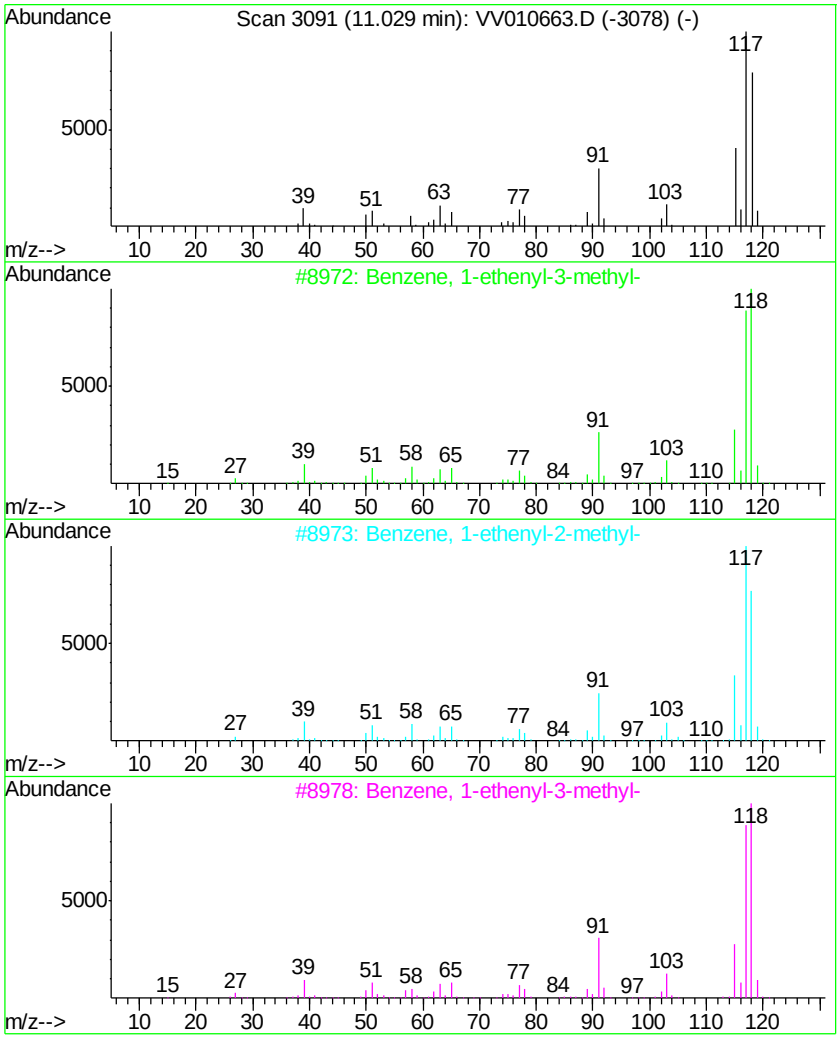
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

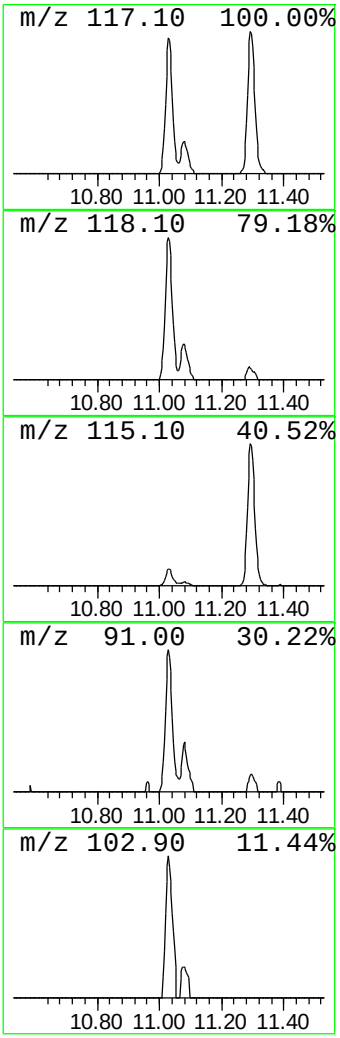
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	2.70 ug/L	40553	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

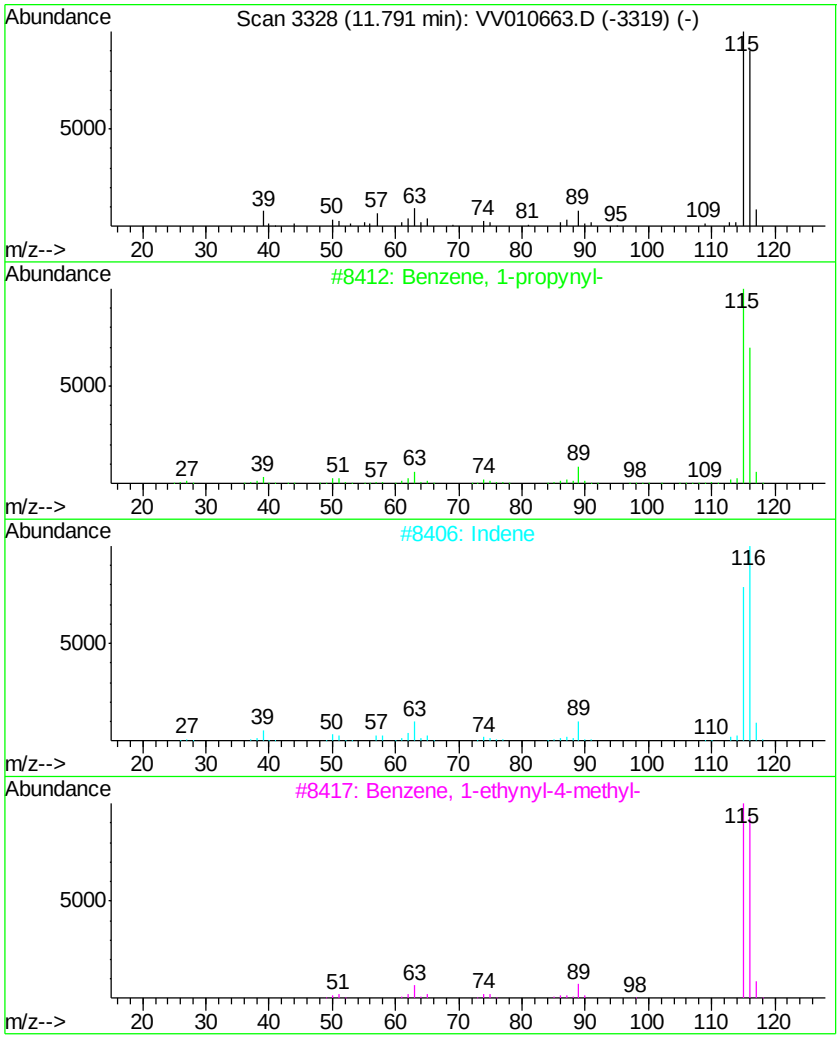
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

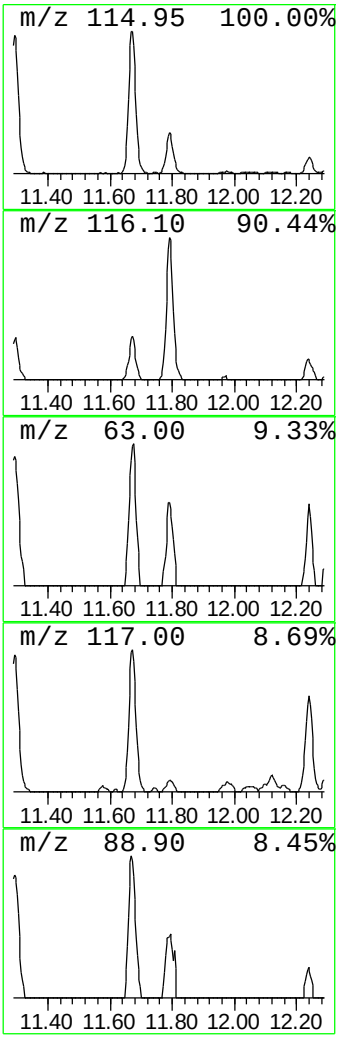
****

Peak Number 3 Benzene, 1-propynyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	1.98 ug/L	29699	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
2	Indene	116	C9H8	000095-13-6	94
3	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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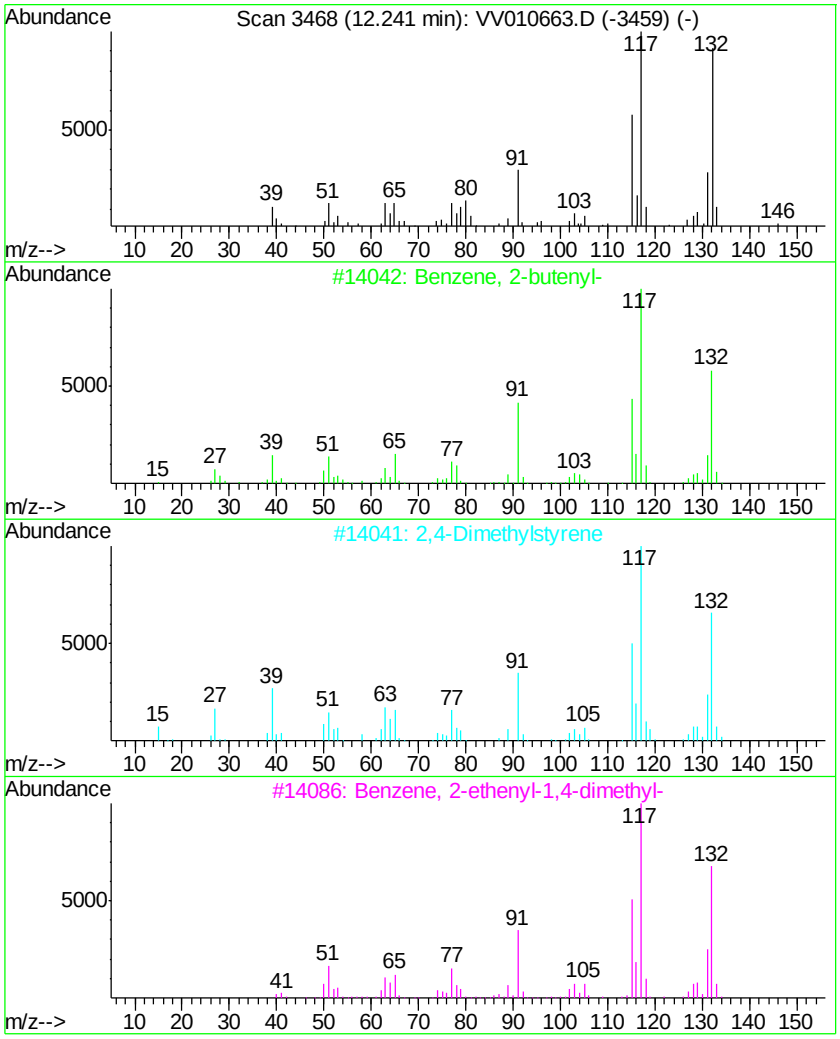
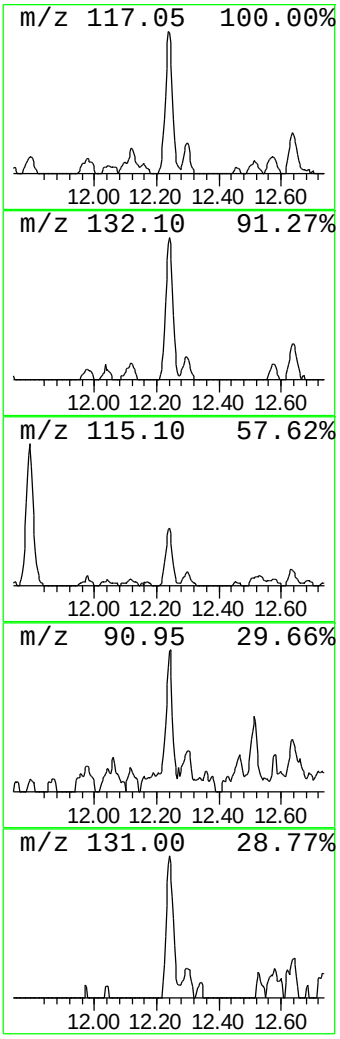
Peak Number 4 Benzene, 2-butenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.67 ug/L	40118	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

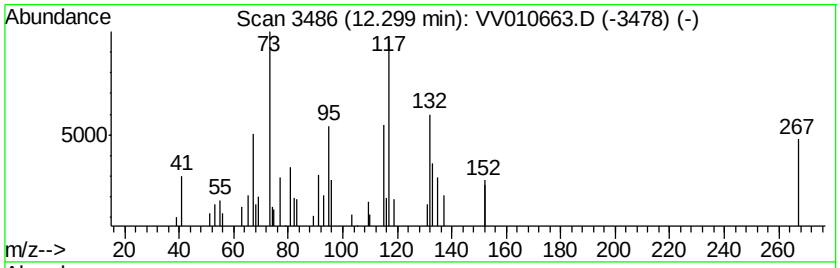
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

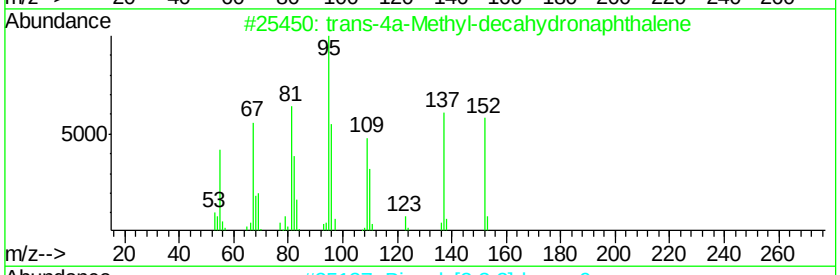
****

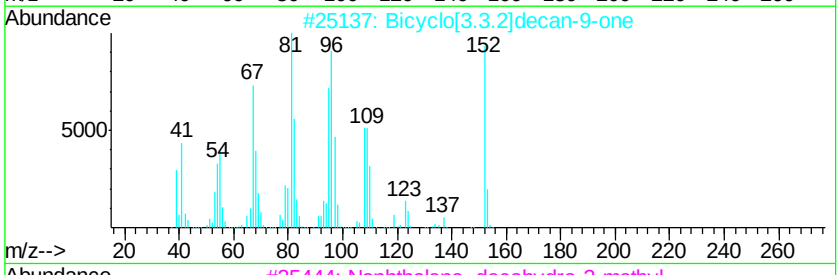
Peak Number 5 unknown-01 Concentration Rank 8

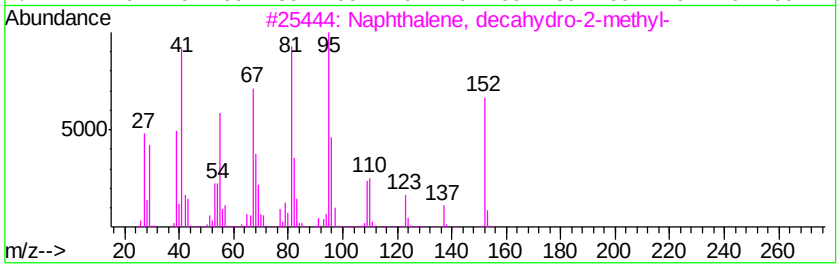
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	1.28 ug/L	19160	1,4-Dichlorobenzene-d4	11.29

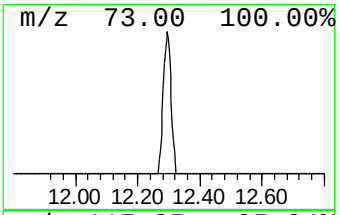
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	38
2	Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	25
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	25
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	20
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	18

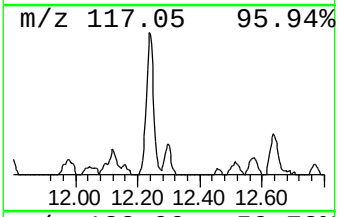


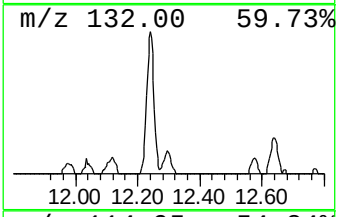


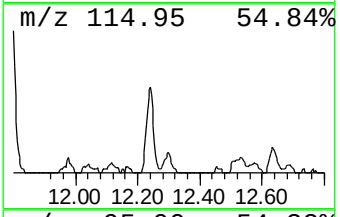


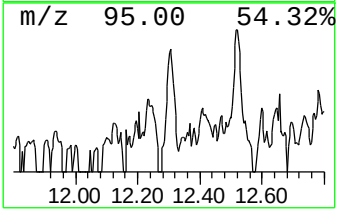












Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

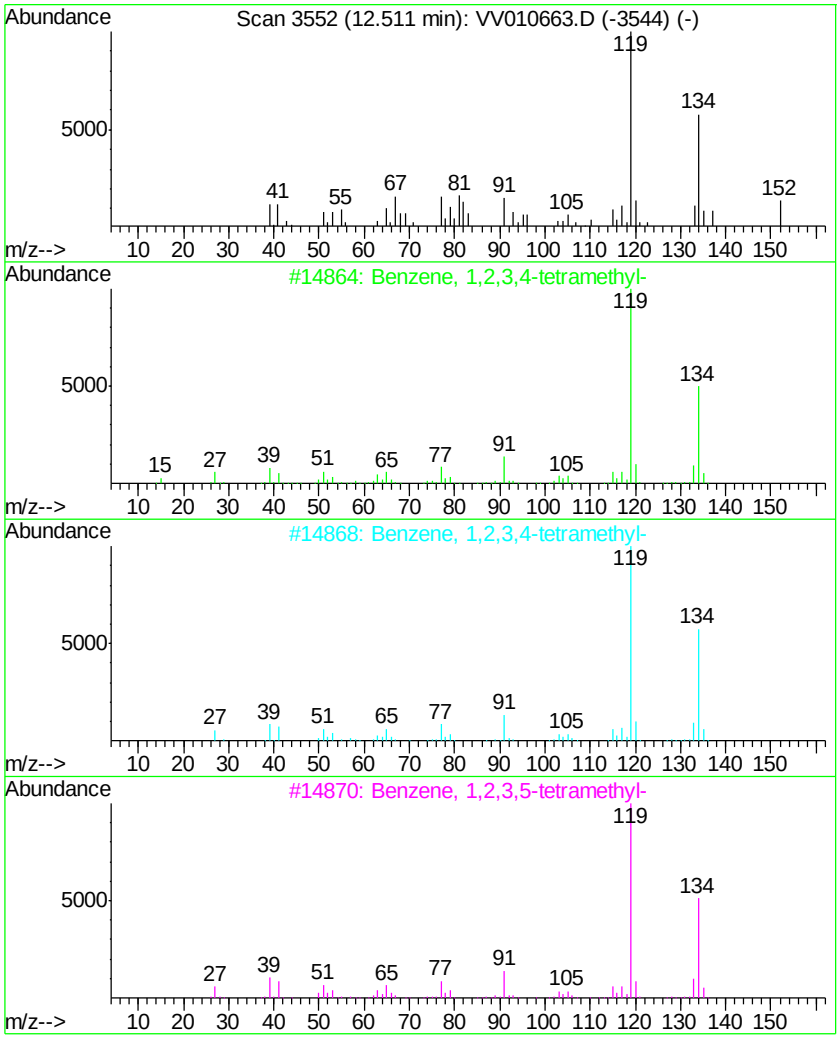
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

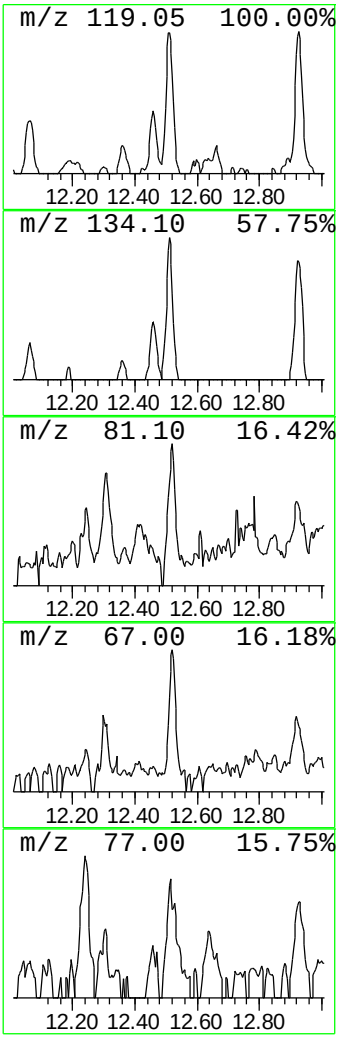
****

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.59 ug/L	38958	1,4-Dichlorobenzene-d4	11.29

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

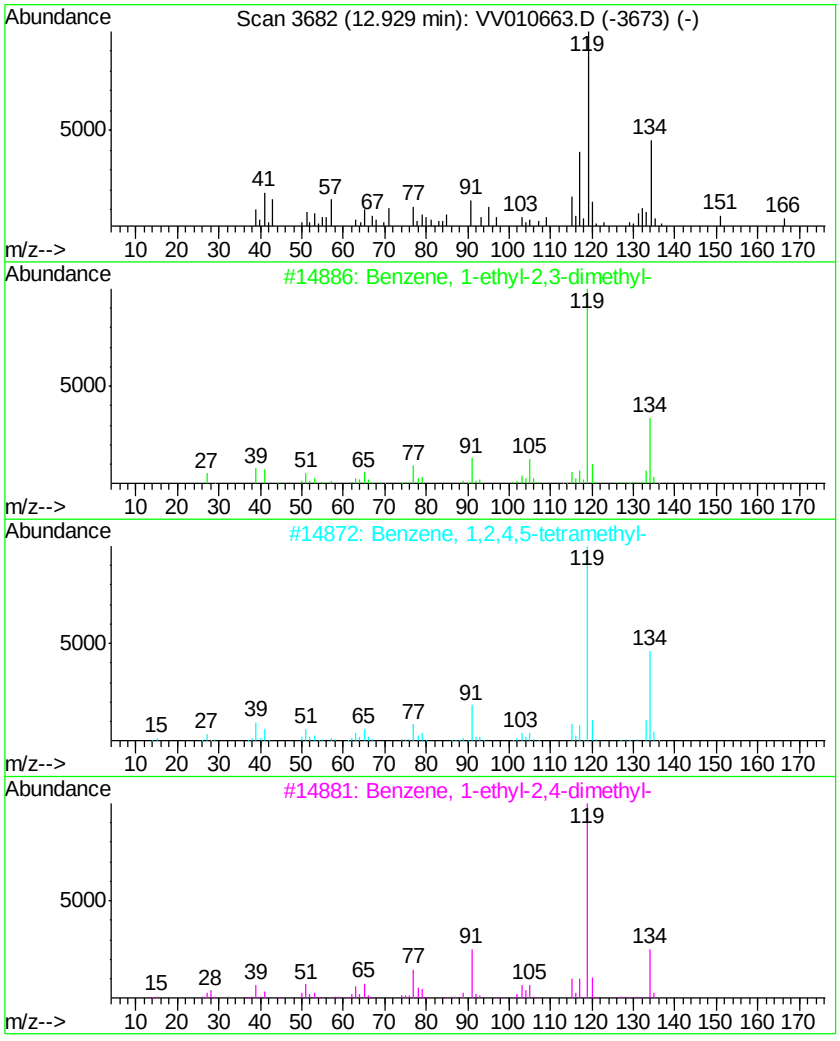
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

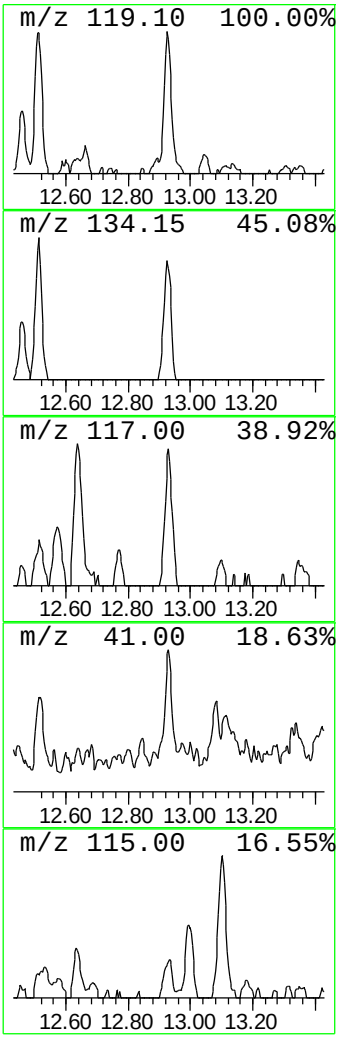
****

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.56 ug/L	38516	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	68
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis

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

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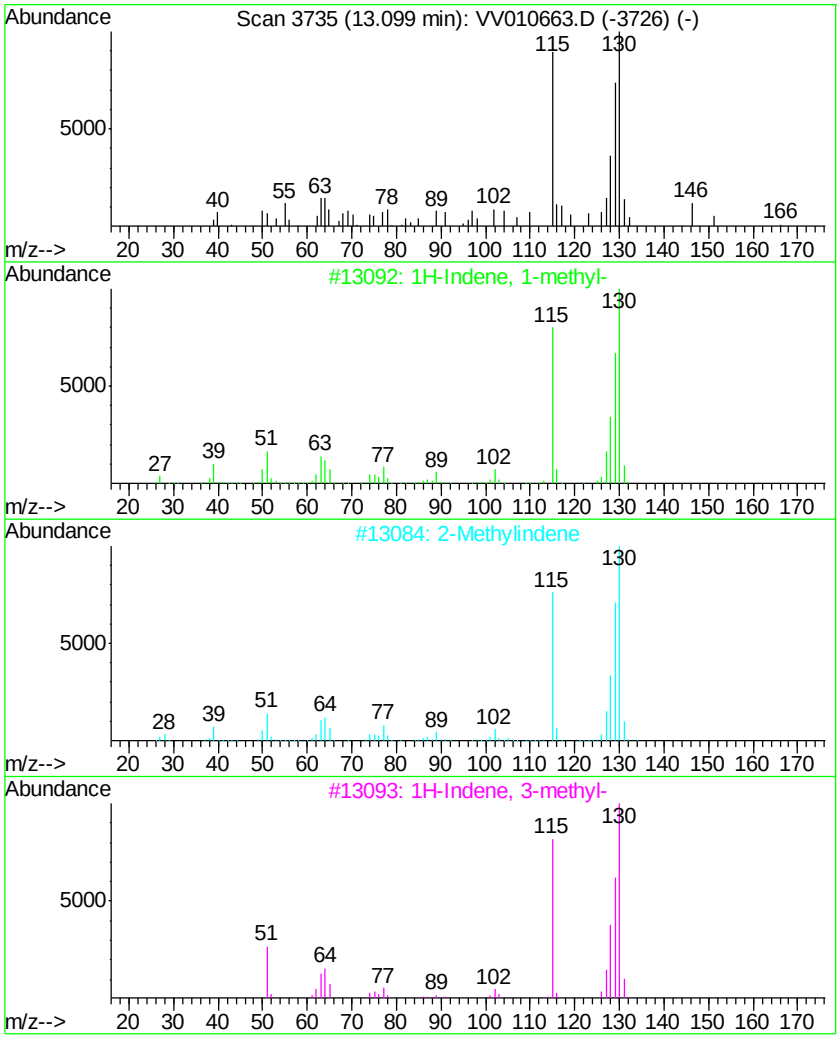
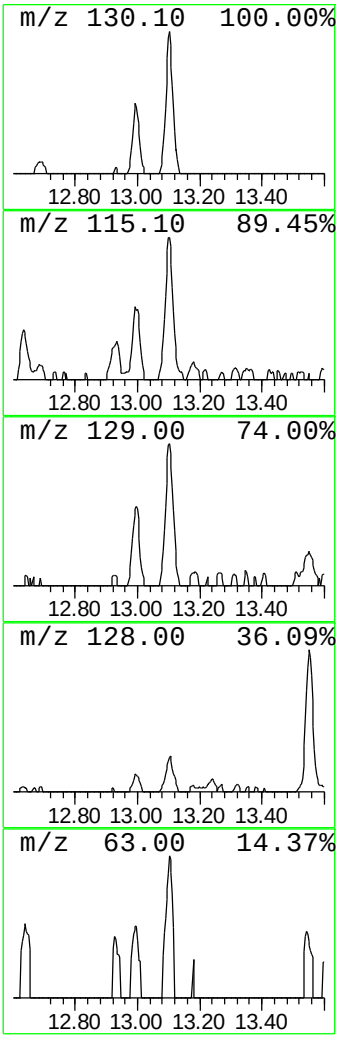
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.09 ug/L	31443	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	89
2	2-Methylindene	130	C10H10	002177-47-1	76
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	76
4	2-Methylindene	130	C10H10	002177-47-1	76
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050219\
Data File : VV010663.D
Acq On : 03 May 2019 16:44
Operator : SY/MD
Sample : K2603-04
Misc : 5.09G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJ56

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.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
Benzene, 1-etheny...	11.03	2.7	ug/L	40553	3	11.29	375543	25.0
Benzene, 1-propynyl-	11.79	2.0	ug/L	29699	3	11.29	375543	25.0
Benzene, 2-butenyl-	12.24	2.7	ug/L	40118	3	11.29	375543	25.0
unknown-01	12.30	1.3	ug/L	19160	3	11.29	375543	25.0
Benzene, 1,2,3,4-...	12.51	2.6	ug/L	38958	3	11.29	375543	25.0
Benzene, 1-ethyl-...	12.93	2.6	ug/L	38516	3	11.29	375543	25.0
1H-Indene, 1-methyl-	13.10	2.1	ug/L	31443	3	11.29	375543	25.0