LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

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\SOM2VLM041819S.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	2.129	315	323	334	rVB	37456	55701	1.94%	0.595%
2	2.541	441	451	461	rVB2	7504	11030	0.38%	0.118%
3	2.621	472	476	483	rBV4	688	857	0.03%	0.009%
4	2.650	483	485	488	rVV	562	378	0.01%	0.004%
5	2.679	492	494	499	rVB2	464	375	0.01%	0.004%
6	2.811	531	535	537	rBV	450	351	0.01%	0.004%
7	2.910	563	566	569	rBV	744	523	0.02%	0.006%
8	2.939	573	575	580	rVB2	982	630	0.02%	0.007%
9	2.978	584	587	590	rVB3	594	349	0.01%	0.004%
10	3.055	608	611	613	rBV3	634	419	0.01%	0.004%
11	3.068	613	615	616	rBV	896	422	0.01%	0.005%
12	3.264	672	676	680	rBV4	931	699	0.02%	0.007%
13	3.512	750	753	760	rVB3	1038	839	0.03%	0.009%
14	3.540	760	762	766	rVB2	691	361	0.01%	0.004%
15	3.563	766	769	772	rBV2	891	623	0.02%	0.007%
16	3.582	772	775	778	rBV2	428	295	0.01%	0.003%
17	3.717	814	817	820	rBV2	416	305	0.01%	0.003%
18	3.946	879	888	889	rBV3	4588	5581	0.19%	0.060%
19	4.081	924	930	934	rBV4	651	737	0.03%	0.008%
20	4.405	1016	1031	1048	rBV2	27933	72254	2.51%	0.771%
21	4.585	1085	1087	1093	rVB2	533	349	0.01%	0.004%
22	4.698	1118	1122	1125	rVB3	485	376	0.01%	0.004%
23	5.100	1231	1247	1264	rBV3	64393	161895	5.63%	1.728%
24	5.447	1350	1355	1357	rBV2	567	459	0.02%	0.005%
25	5.524	1373	1379	1380	rBV	534	411	0.01%	0.004%
26	5.669	1410	1424	1437	rBV2	54825	113300	3.94%	1.209%
27	5.849	1478	1480	1485	rVB2	675	371	0.01%	0.004%
28	5.923	1498	1503	1507	rVB2	932	695	0.02%	0.007%
29	5.952	1507	1512	1516	rBV4	798	869	0.03%	0.009%
30	6.052	1542	1543	1548	rBV4	493	388	0.01%	0.004%
31	6.122	1552	1565	1578	rBV3	37000	76155	2.65%	0.813%
32	6.228	1593	1598	1606	rVB5	982	1520	0.05%	0.016%
33	6.270	1606	1611	1613	rBV	515	432	0.02%	0.005%
34	6.666	1729	1734	1737	rVV3	288	381	0.01%	0.004%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

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\SOM2VLM041819S.M
Title : VOC Analysis

35	6.814	1777	1780	1783	rVV2	776	527	0.02%	0.006%
36	6.852	1788	1792	1795	rVB2	406	353	0.01%	0.004%
37	7.032	1838	1848	1865	rBV2	19414	35503	1.23%	0.379%
38	7.119	1872	1875	1880	rVB	852	616	0.02%	0.007%
39	7.145	1880	1883	1886	rVB2	634	407	0.01%	0.004%
40	7.199	1895	1900	1902	rBV2	371	316	0.01%	0.003%
41	7.309	1928	1934	1937	rBV4	883	890	0.03%	0.010%
42	7.363	1937	1951	1968	rBV2	69843	130281	4.53%	1.391%
43	7.527	1998	2002	2005	rBV4	522	342	0.01%	0.004%
44	7.669	2035	2046	2058	rBV3	12070	19404	0.67%	0.207%
45	7.833	2094	2097	2099	rBV	765	362	0.01%	0.004%
46	8.019	2152	2155	2161	rVB5	1053	1093	0.04%	0.012%
47	8.061	2165	2168	2171	rVB4	446	311	0.01%	0.003%
48	8.087	2171	2176	2181	rBV3	341	443	0.02%	0.005%
49	8.138	2183	2192	2205	rBV3	14227	27537	0.96%	0.294%
50	8.463	2288	2293	2294	rBV2	581	288	0.01%	0.003%
51	8.473	2294	2296	2301	rVB	428	334	0.01%	0.004%
52	8.553	2314	2321	2325	rVB3	682	577	0.02%	0.006%
53	8.582	2325	2330	2332	rBV2	430	330	0.01%	0.004%
54	8.624	2339	2343	2347	rVB2	692	511	0.02%	0.005%
55	8.646	2347	2350	2353	rBV2	593	359	0.01%	0.004%
56	8.897	2416	2428	2444	rBV	78699	141712	4.93%	1.513%
57	9.109	2491	2494	2500	rBV2	536	474	0.02%	0.005%
58	9.183	2508	2517	2530	rVV7	2740	5178	0.18%	0.055%
59	9.232	2530	2532	2537	rVB2	574	467	0.02%	0.005%
60	9.492	2610	2613	2617	rBV	790	655	0.02%	0.007%
61	9.592	2636	2644	2649	rBV6	2385	3529	0.12%	0.038%
62	9.762	2694	2697	2700	rBV3	471	335	0.01%	0.004%
63	9.836	2718	2720	2726	rVB3	468	434	0.02%	0.005%
64	9.923	2744	2747	2751	rVB2	510	407	0.01%	0.004%
65	9.945	2751	2754	2758	rBV2	578	428	0.01%	0.005%
66	9.984	2758	2766	2769	rBV3	640	904	0.03%	0.010%
67	10.193	2827	2831	2833	rBV2	518	368	0.01%	0.004%
68	10.260	2843	2852	2865	rBV3	39002	61434	2.14%	0.656%
69	10.338	2872	2876	2880	rBV4	474	427	0.01%	0.005%
70	10.495	2917	2925	2931	rBV4	7968	13729	0.48%	0.147%
71	10.585	2942	2953	2964	rVV3	14428	22454	0.78%	0.240%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

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\SOM2VLM041819S.M
Title : VOC Analysis

72	10.627	2964	2966	2969	rVV3	713	405	0.01%	0.004%
73	10.640	2969	2970	2976	rVB	885	538	0.02%	0.006%
74	10.781	3006	3014	3018	rBV2	4367	5400	0.19%	0.058%
75	10.961	3058	3070	3082	rBV	50310	78357	2.72%	0.836%
76	11.032	3082	3092	3101	rVV2	58744	92974	3.23%	0.992%
77	11.080	3102	3107	3118	rVB3	18666	28642	1.00%	0.306%
78	11.296	3164	3174	3191	rBV	83790	136333	4.74%	1.455%
79	11.383	3193	3201	3212	rVB2	26401	41354	1.44%	0.441%
80	11.444	3212	3220	3236	rVB4	11102	18515	0.64%	0.198%
81	11.521	3242	3244	3248	rBV	864	661	0.02%	0.007%
82	11.579	3253	3262	3271	rBV4	12786	22882	0.80%	0.244%
83	11.672	3282	3291	3308	rVB2	94032	171723	5.97%	1.833%
84	11.791	3317	3328	3338	rBV	61051	97642	3.39%	1.042%
85	11.961	3371	3381	3383	rBV3	11628	14776	0.51%	0.158%
86	12.039	3398	3405	3408	rBV5	19147	25172	0.87%	0.269%
87	12.241	3460	3468	3478	rVB	96860	145645	5.06%	1.555%
88	12.299	3479	3486	3495	rVB2	30804	45573	1.58%	0.486%
89	12.514	3544	3553	3566	rBV4	56060	112413	3.91%	1.200%
90	12.637	3583	3591	3604	rBV2	69250	118828	4.13%	1.268%
91	12.772	3626	3633	3642	rBV4	21496	30721	1.07%	0.328%
92	12.929	3676	3682	3692	rVB2	76518	110515	3.84%	1.180%
93	12.993	3694	3702	3713	rVB	170531	259724	9.03%	2.773%
94	13.100	3725	3735	3749	rVB2	235151	385690	13.41%	4.117%
95	13.190	3754	3763	3778	rBV8	32053	70953	2.47%	0.757%
96	13.550	3865	3875	3892	rVB	1879127	2876890	100.00%	30.711%
97	14.682	4216	4227	4246	rBV	1467232	2213119	76.93%	23.625%
98	14.865	4274	4284	4300	rVB	663213	1026520	35.68%	10.958%
99	15.720	4541	4550	4568	rVB	85724	149370	5.19%	1.595%
100	15.862	4587	4594	4601	rBV2	66674	102289	3.56%	1.092%

Sum of corrected areas: 9367673

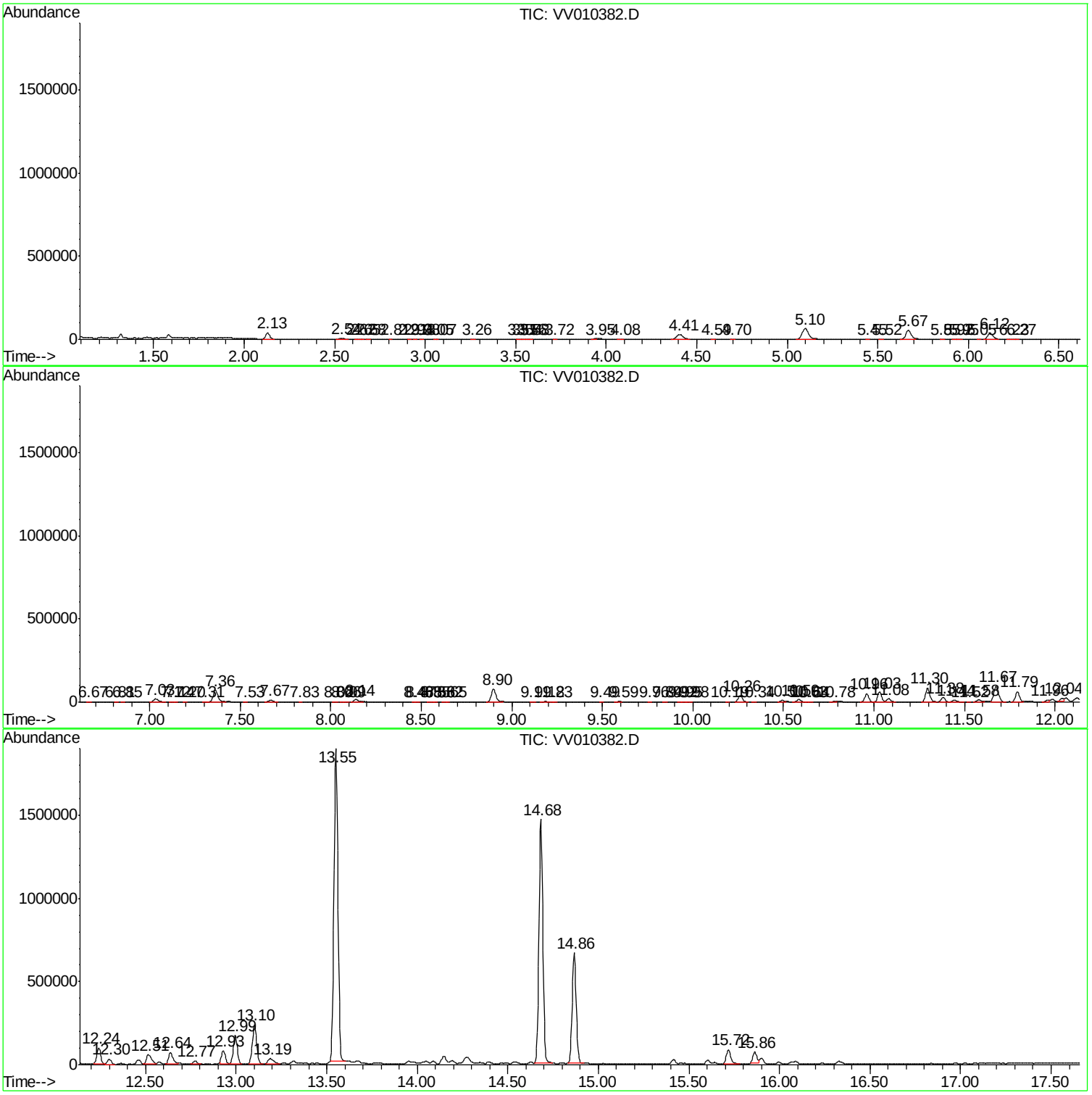
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.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\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

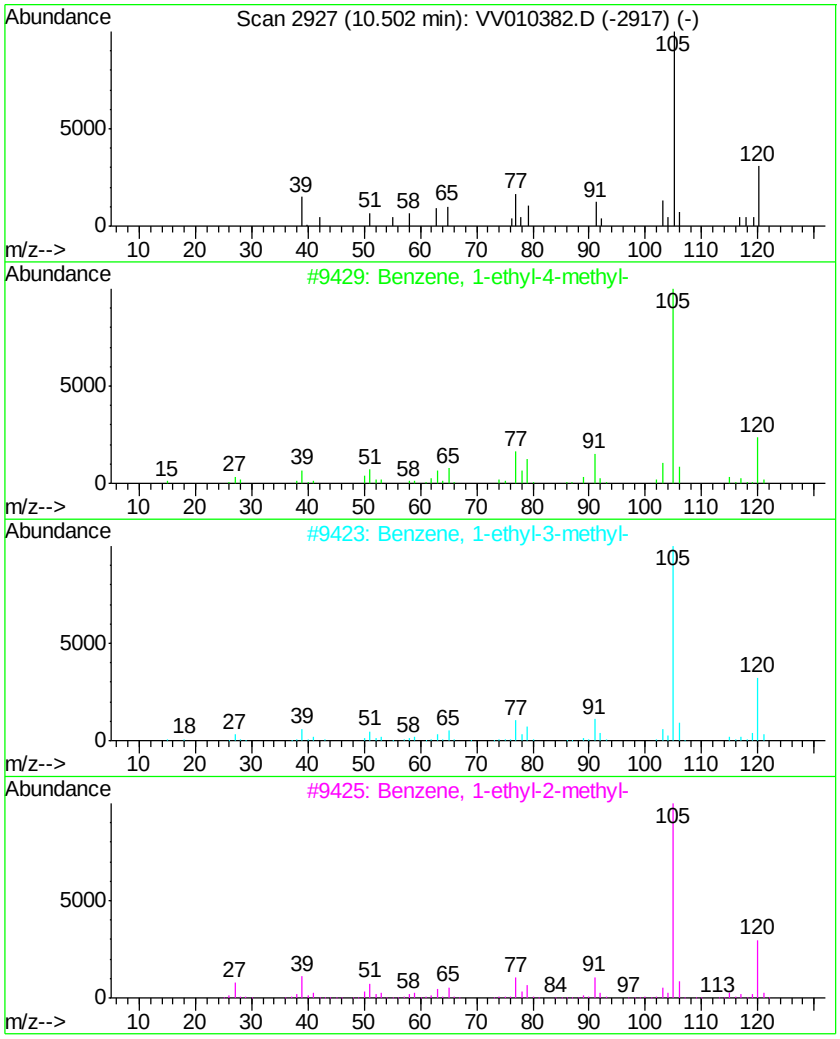
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

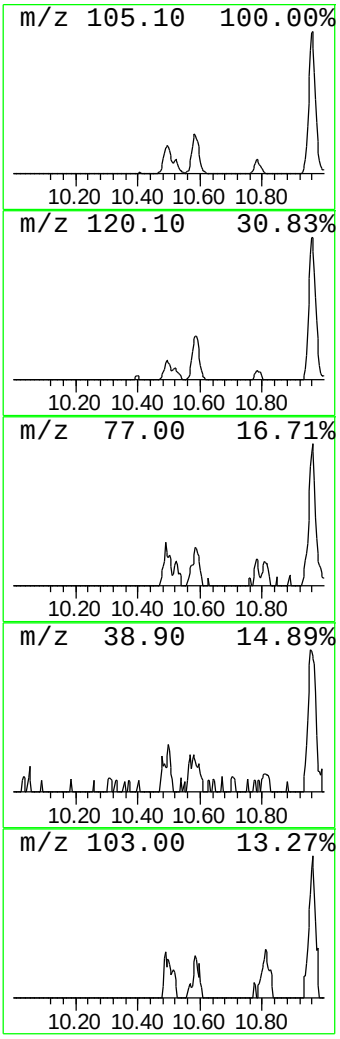
****

Peak Number 2 Benzene, 1-ethyl-4-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.52 ug/L	13729	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	80
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

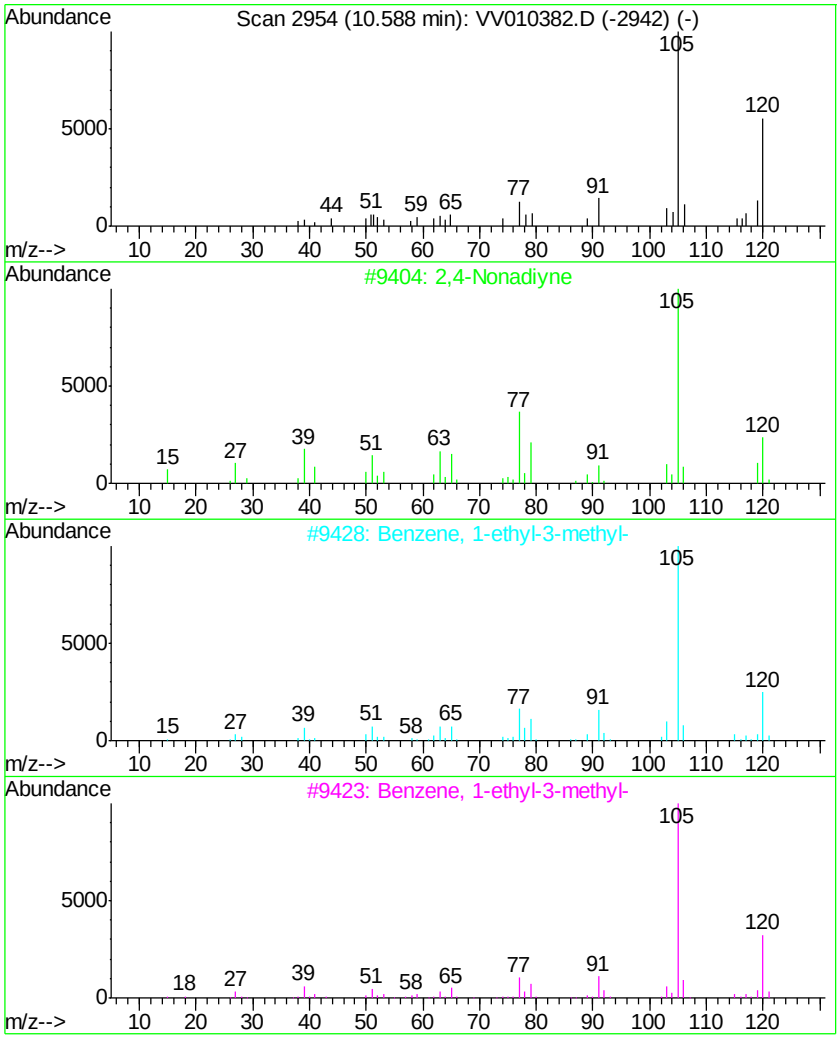
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

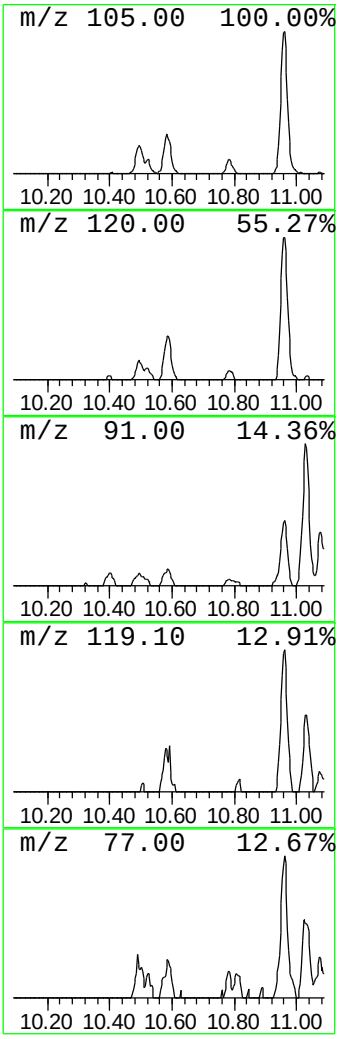
****

Peak Number 3 2,4-Nonadiyne Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	4.12 ug/L	22454	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Nonadiyne	120	C9H12	063621-15-8	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	80
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

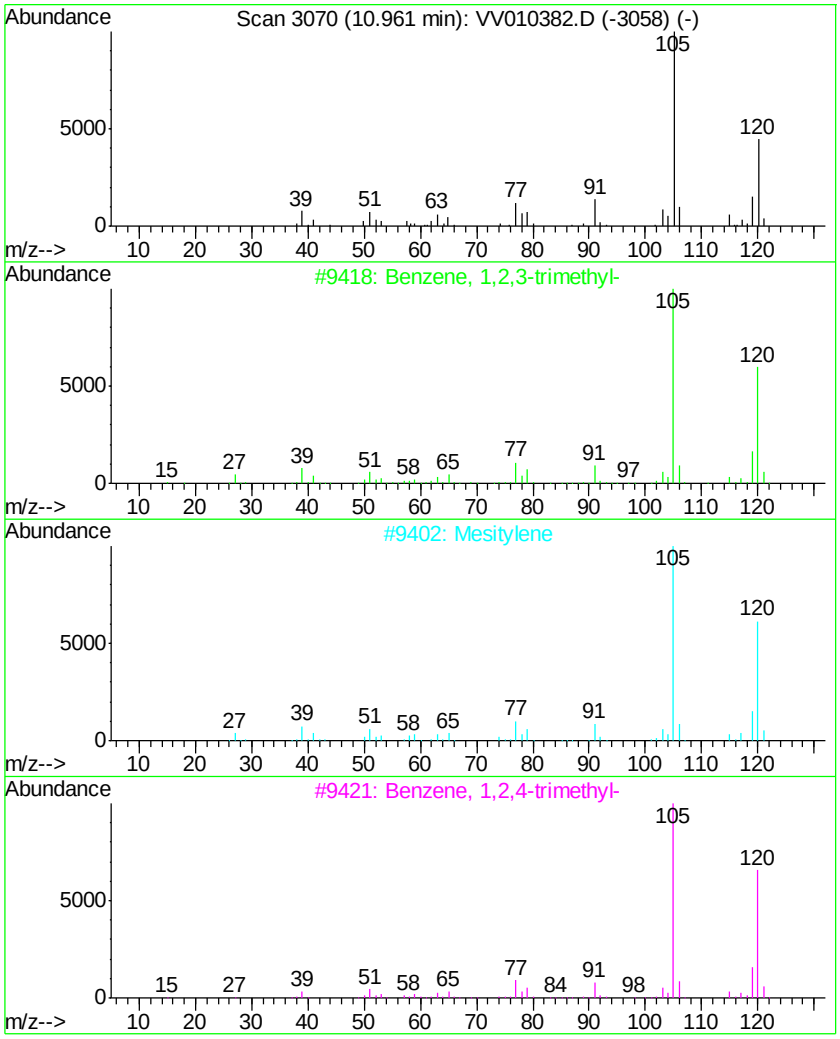
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

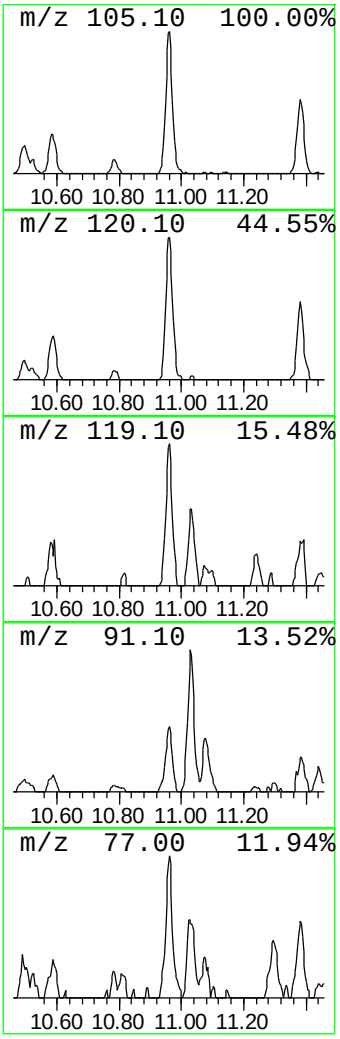
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	14.37 ug/L	78357	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

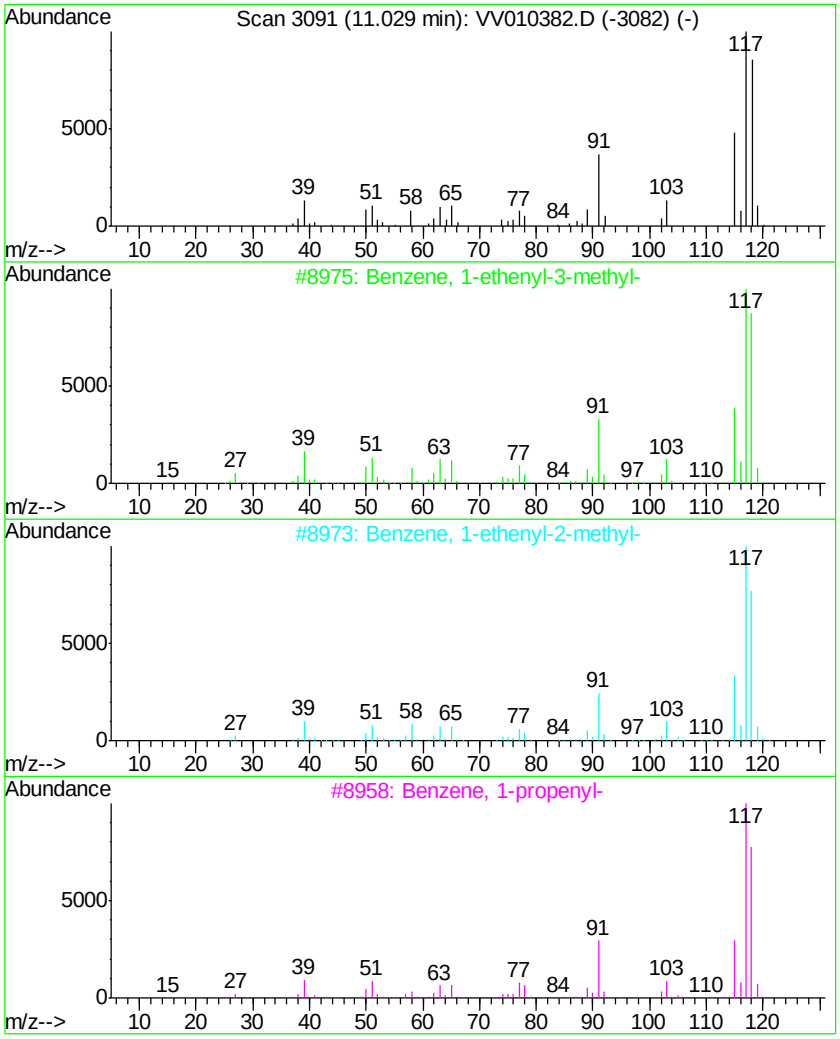
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

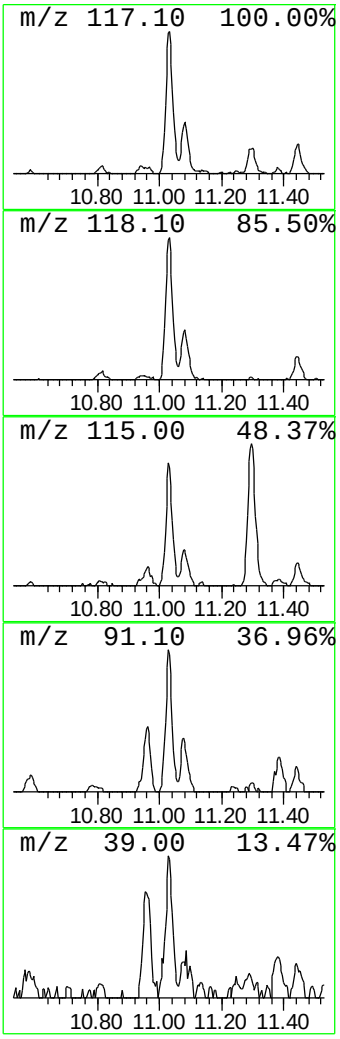
****

Peak Number 5 Benzene, 1-ethenyl-3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	17.05 ug/L	92974	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	93
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

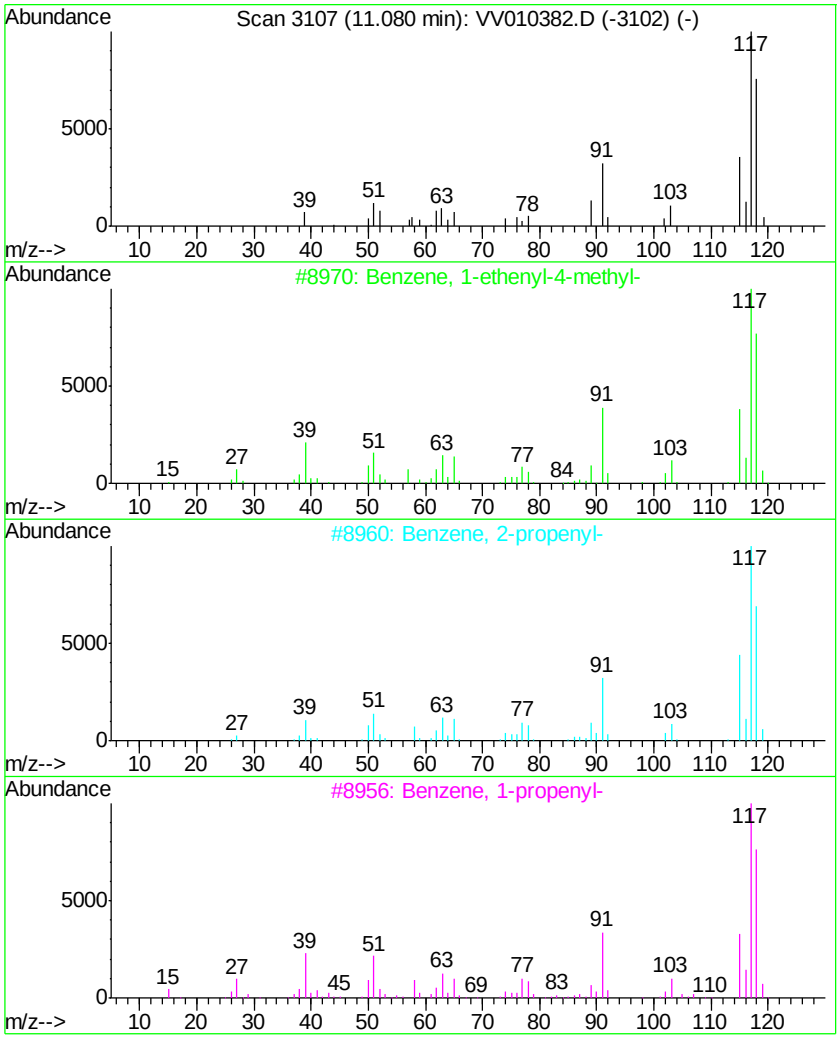
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

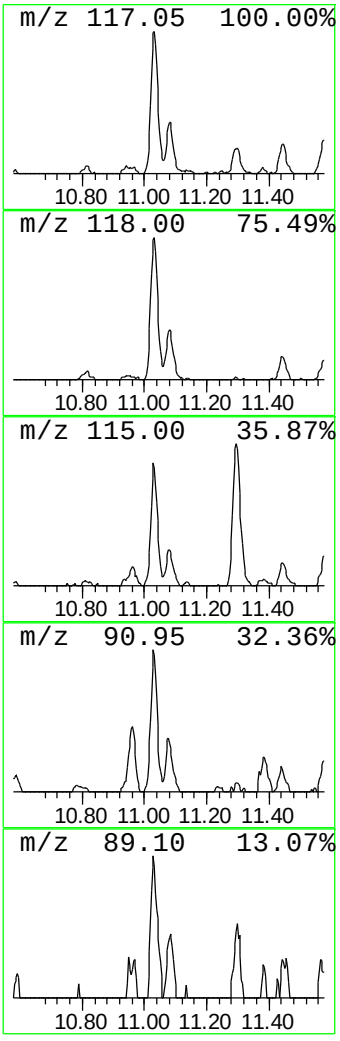
****

Peak Number 6 Benzene, 1-ethenyl-4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	5.25 ug/L	28642	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	91
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
5	Indane	118	C9H10	000496-11-7	87





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Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

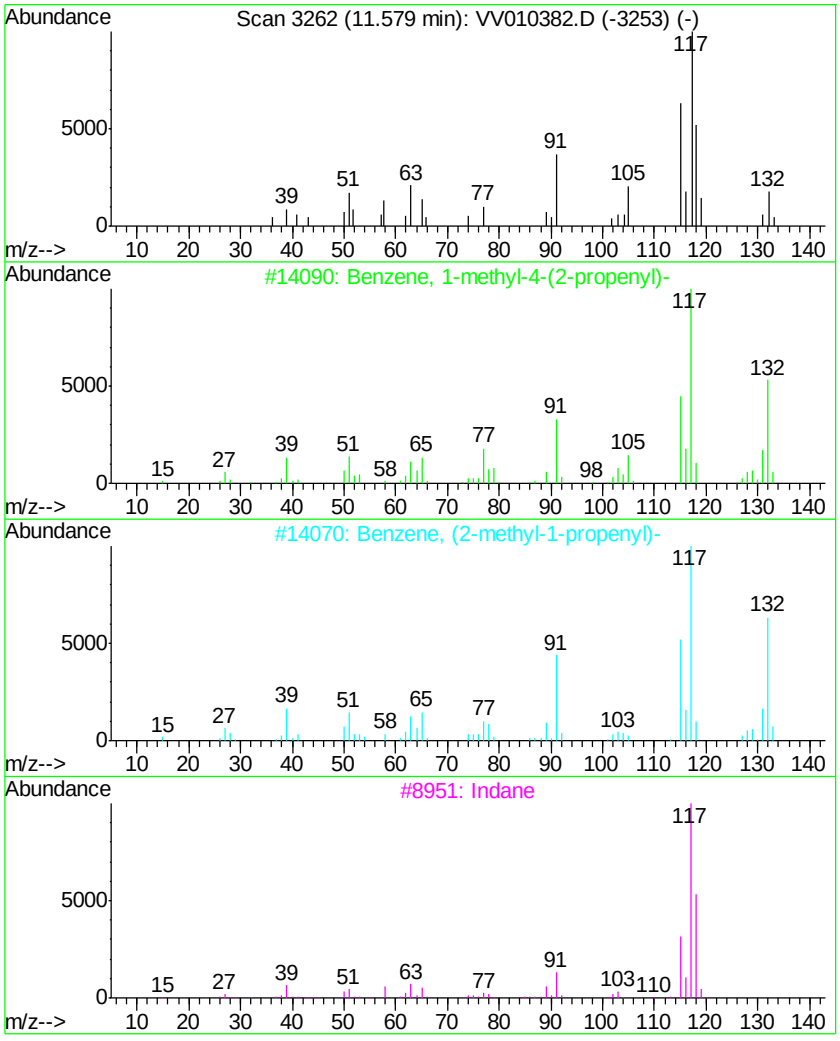
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

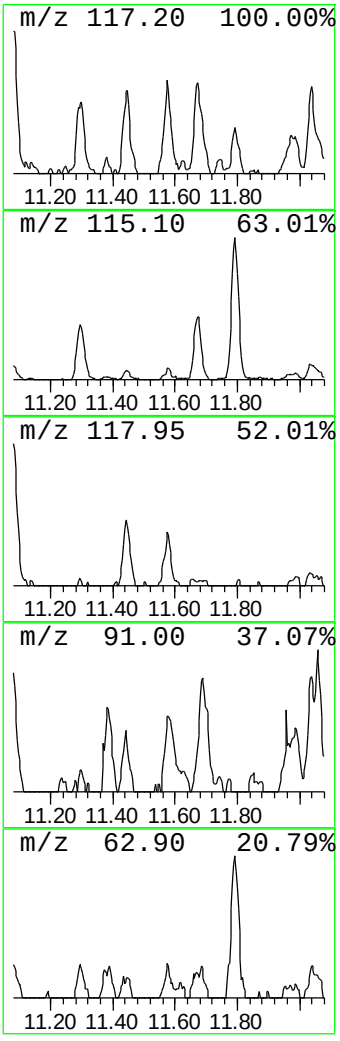
****

Peak Number 9 Benzene, 1-methyl-4-(2-prop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	4.20 ug/L	22882	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	62
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	60
3	Indane	118	C9H10	000496-11-7	60
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	58
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	49





Library Search Compound Report

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Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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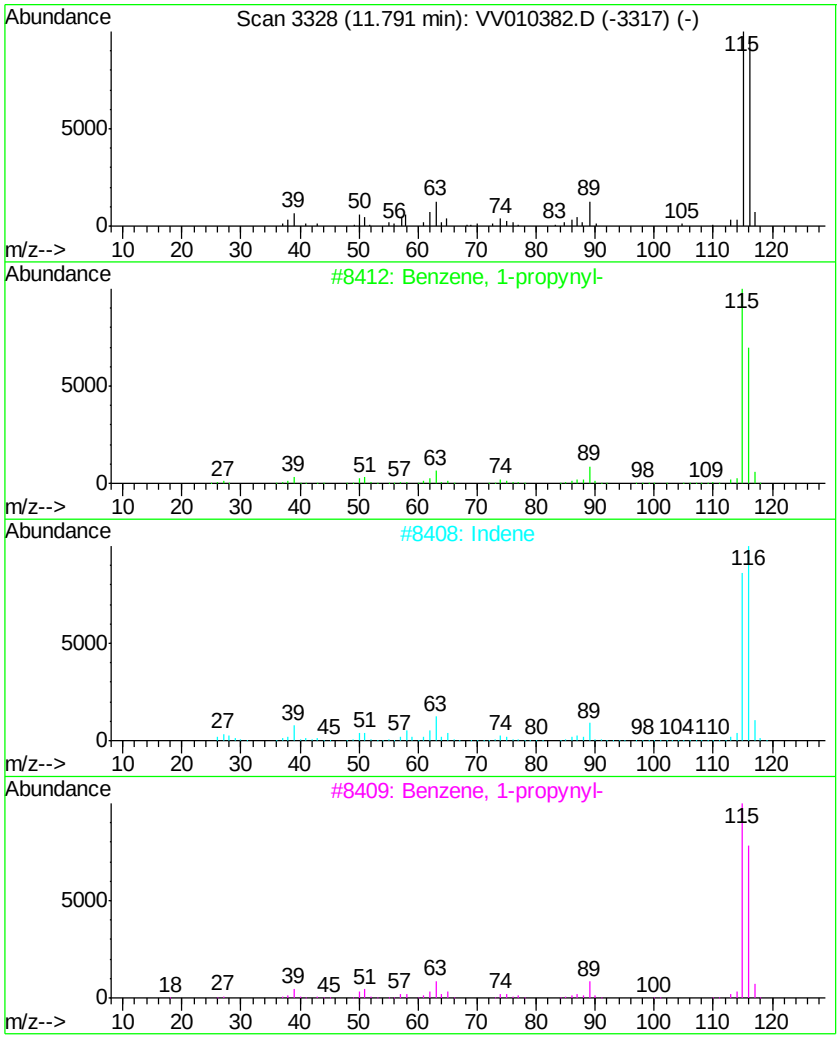
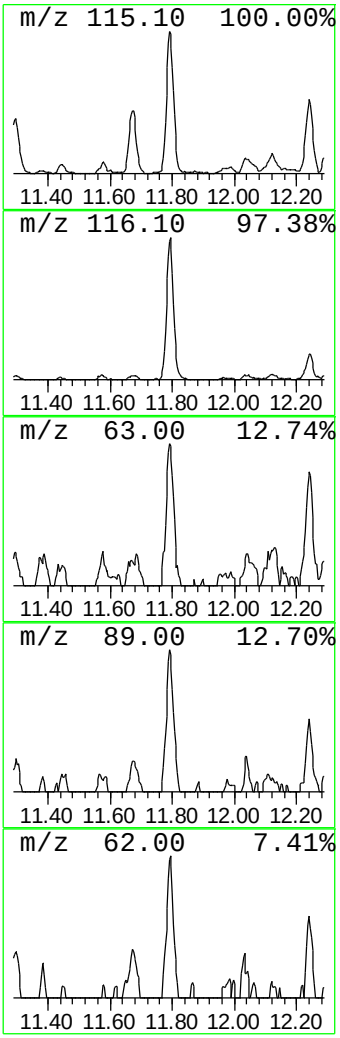
Peak Number 10 Benzene, 1-propynyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	17.91 ug/L	97642	1,4-Dichlorobenzene-d4	11.30

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	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Indene	116	C9H8	000095-13-6	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Library Search Compound Report

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Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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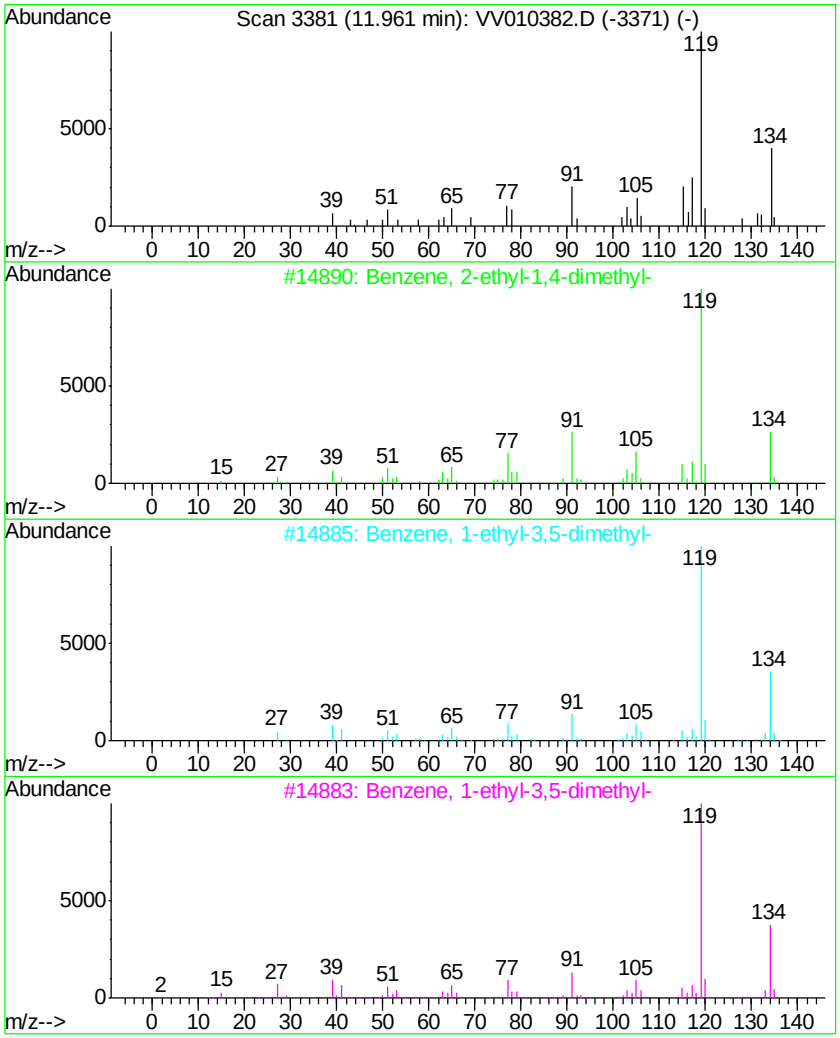
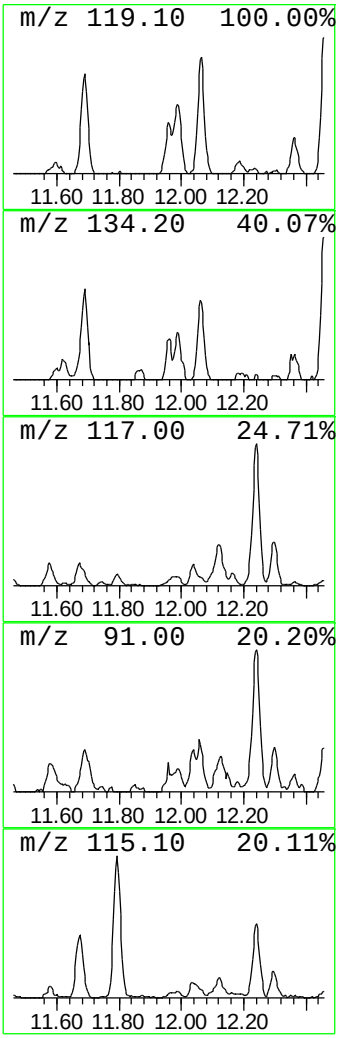
Peak Number 11 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.71 ug/L	14776	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	74
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





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Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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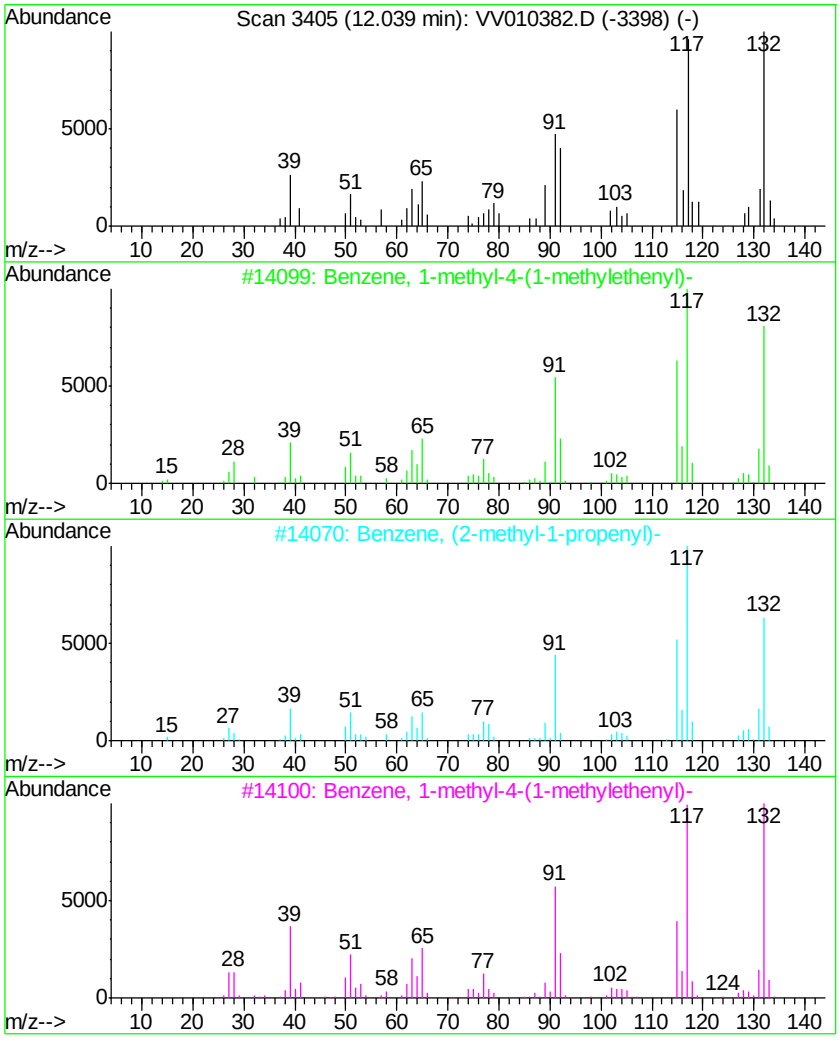
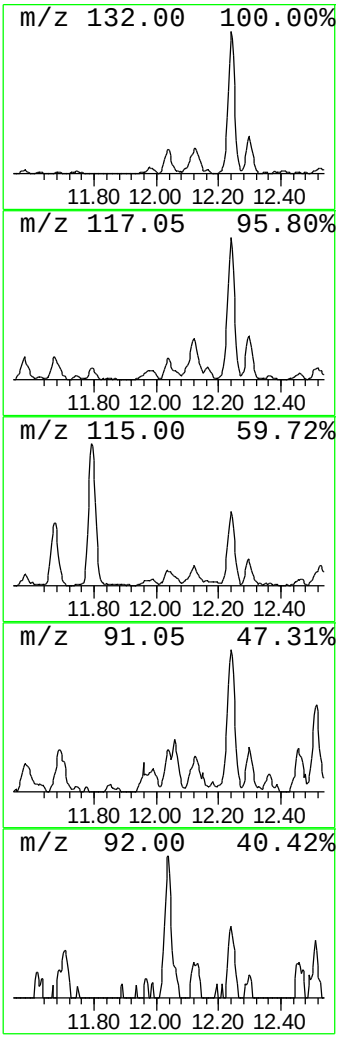
Peak Number 12 Benzene, 1-methyl-4-(1-meth... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.62 ug/L	25172	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	94
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	89
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
5	o-Isopropenyltoluene	132	C10H12	007399-49-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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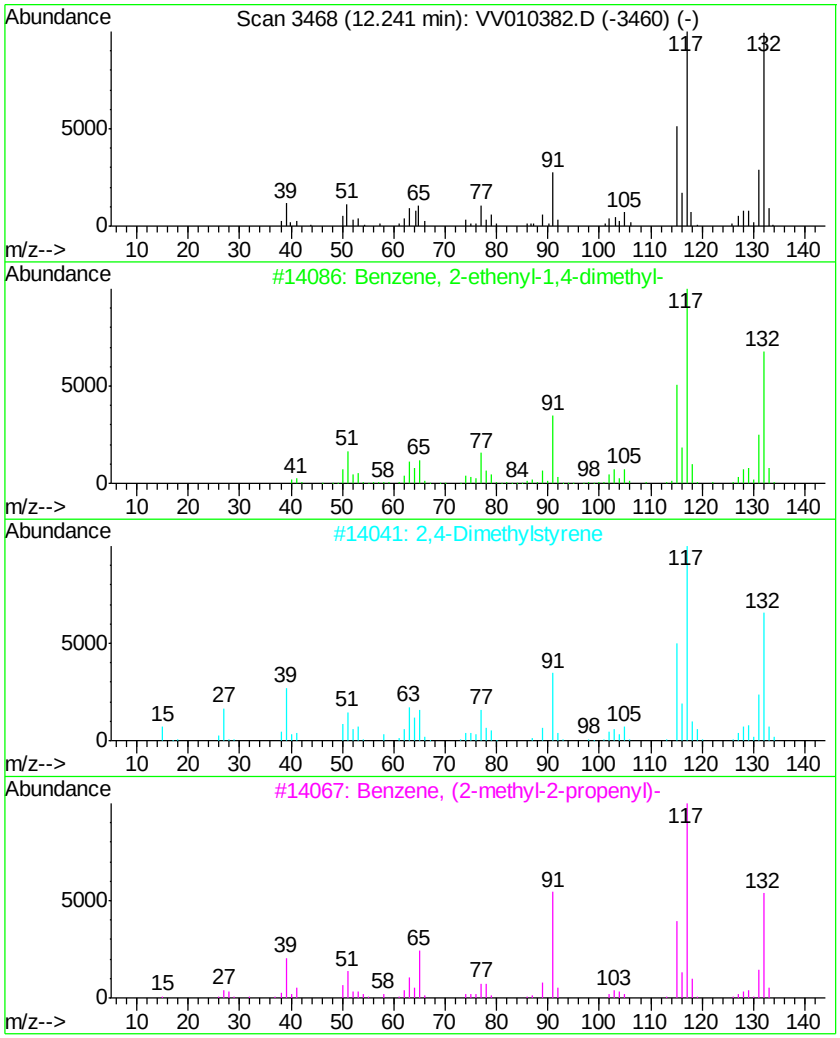
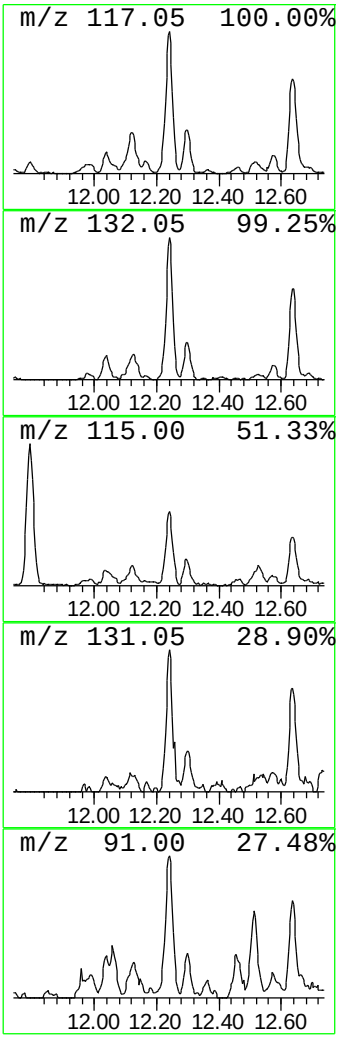
Peak Number 13 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	26.71 ug/L	145645	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
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Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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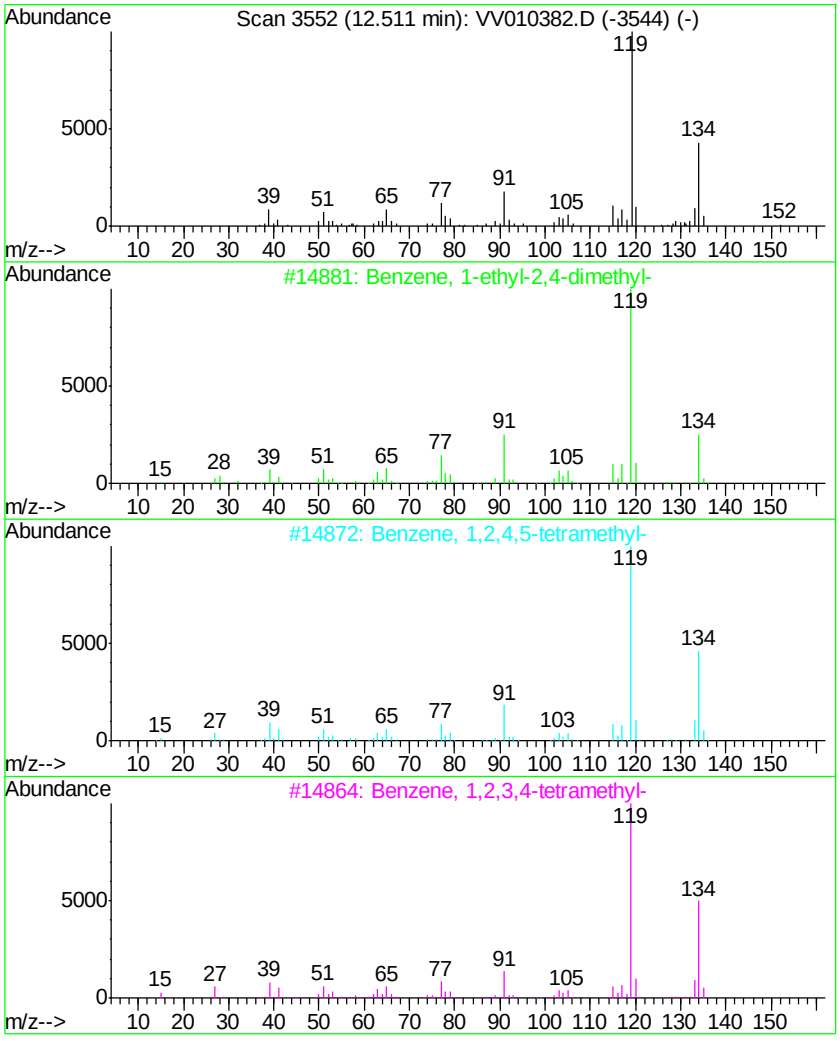
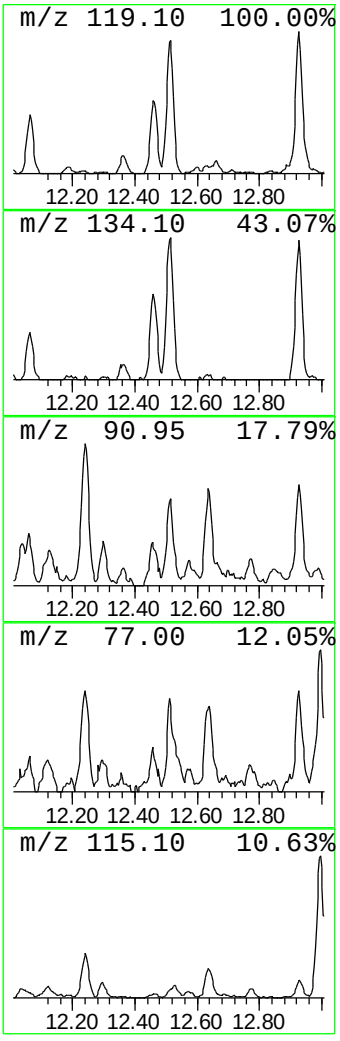
Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	20.61 ug/L	112413	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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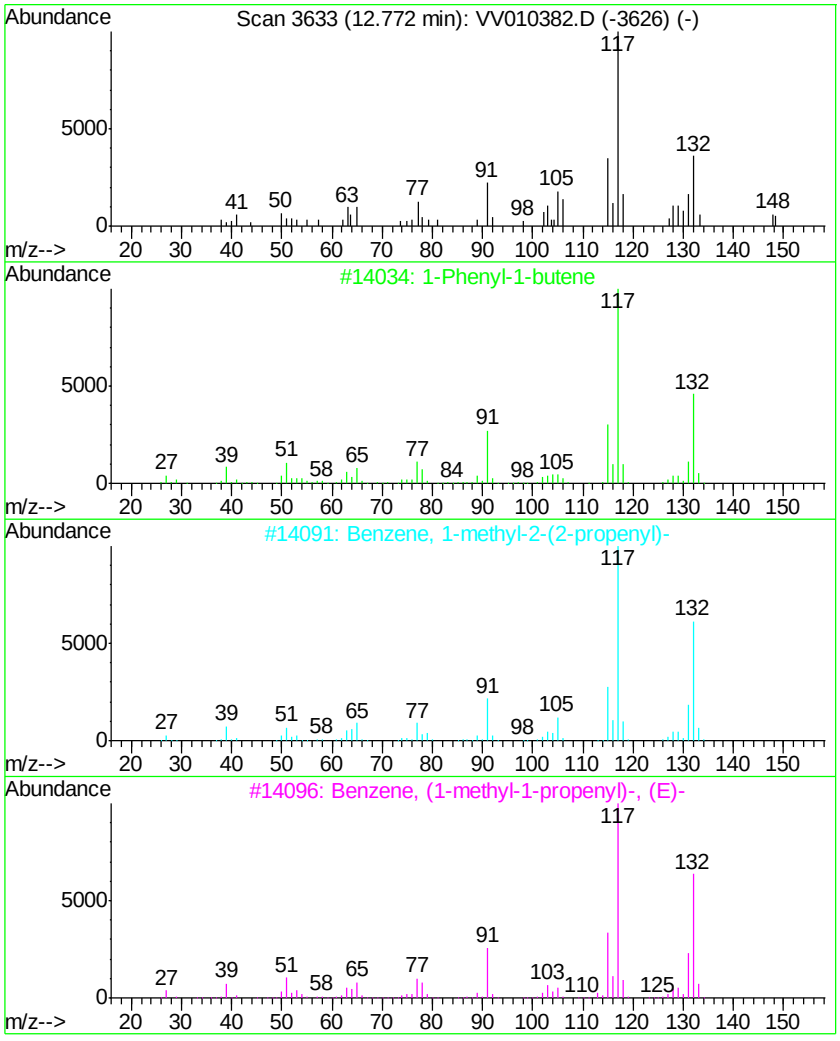
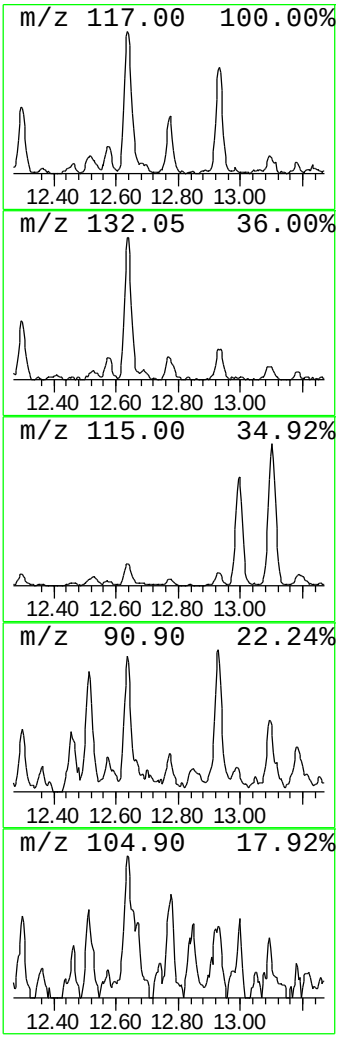
Peak Number 17 1-Phenyl-1-butene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	5.63 ug/L	30721	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	81
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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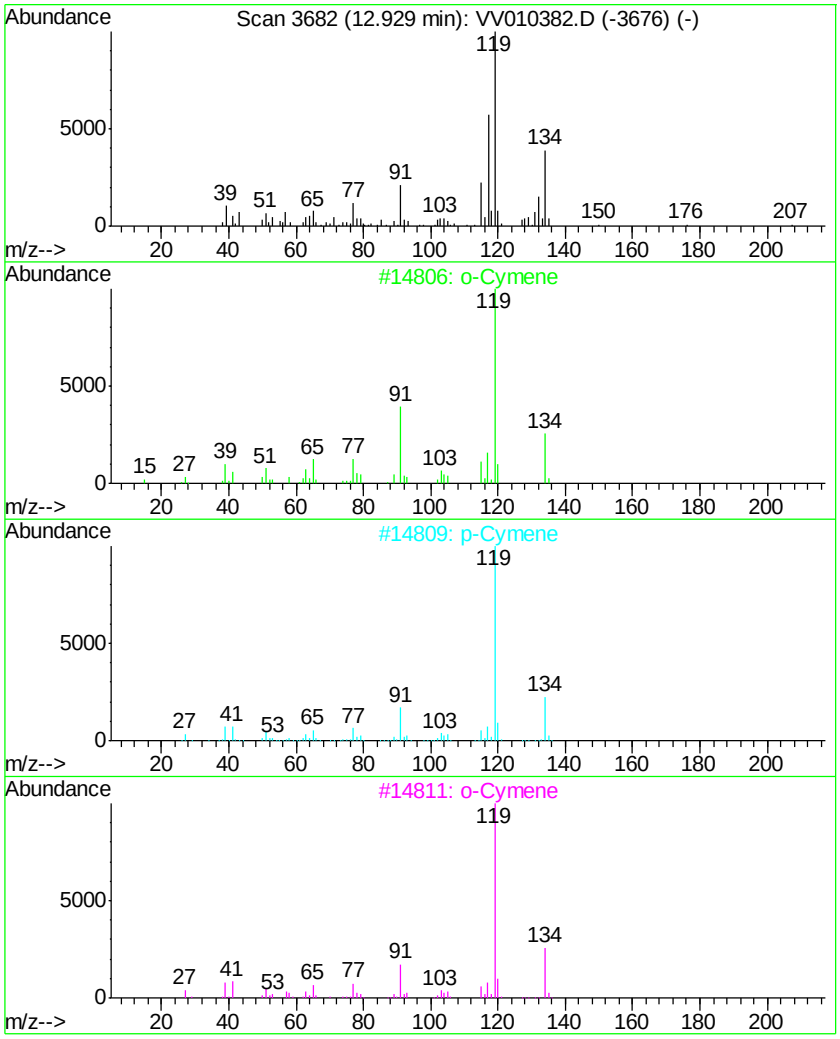
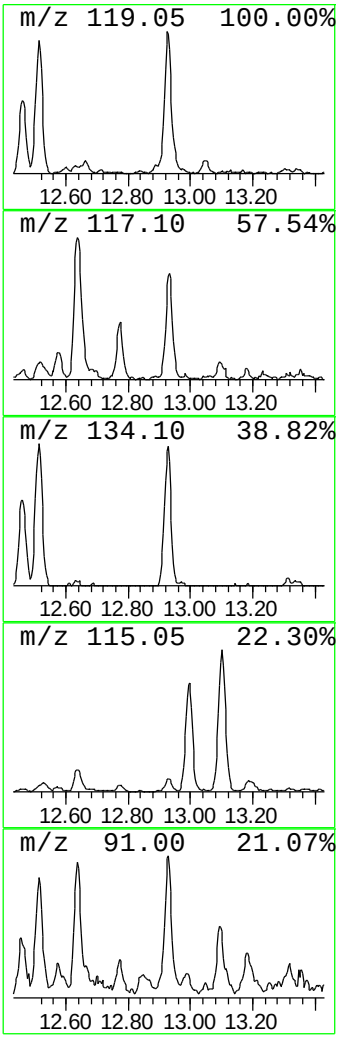
Peak Number 18 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	20.27 ug/L	110515	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	64
2	p-Cymene	134	C10H14	000099-87-6	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	o-Cymene	134	C10H14	000527-84-4	60
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60





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Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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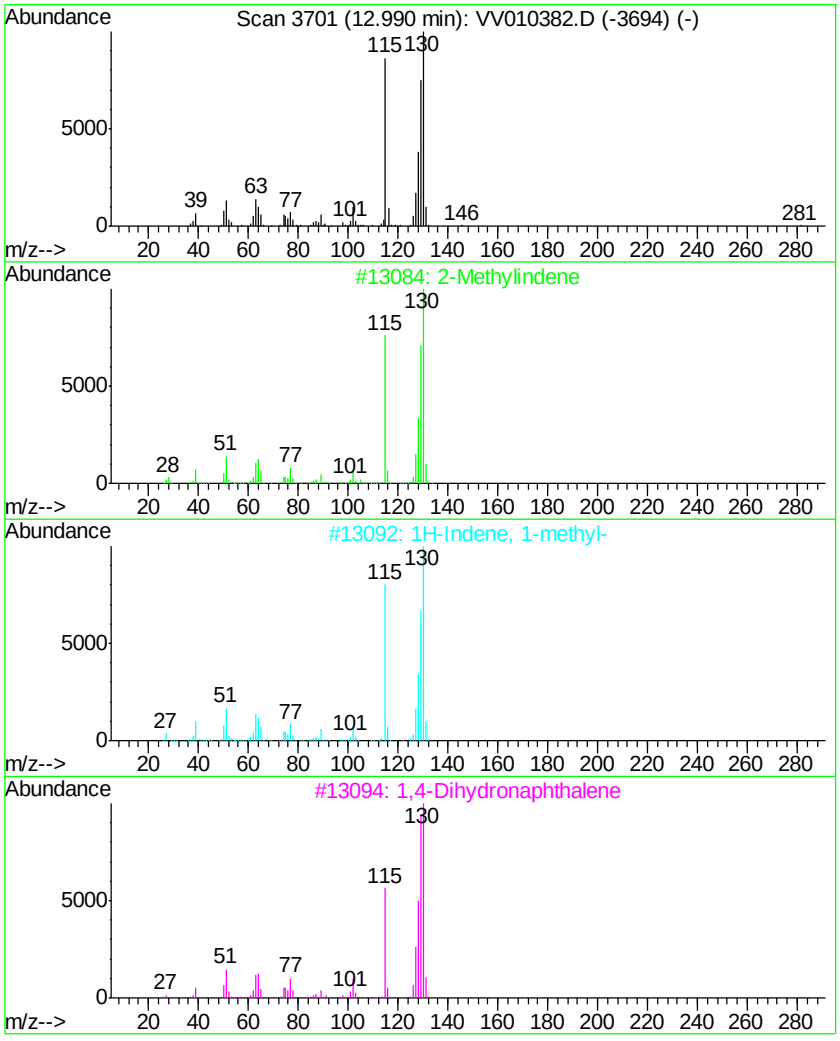
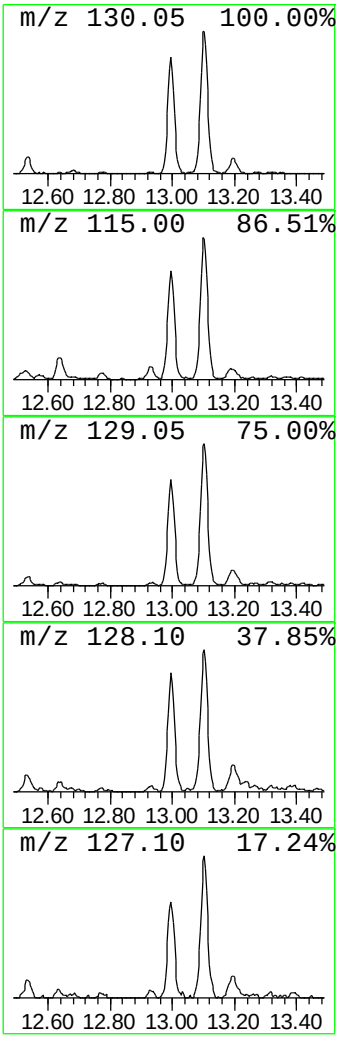
Peak Number 19 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	47.63 ug/L	259724	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	2-Methylindene	130	C10H10	002177-47-1	94





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Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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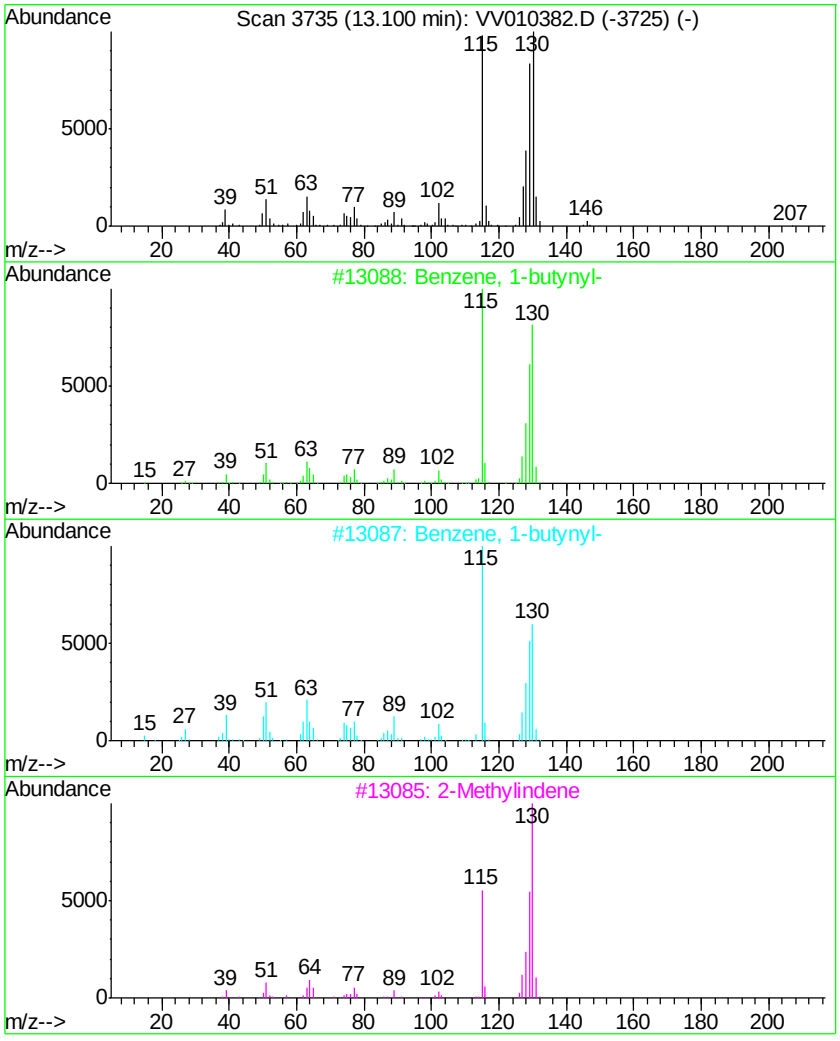
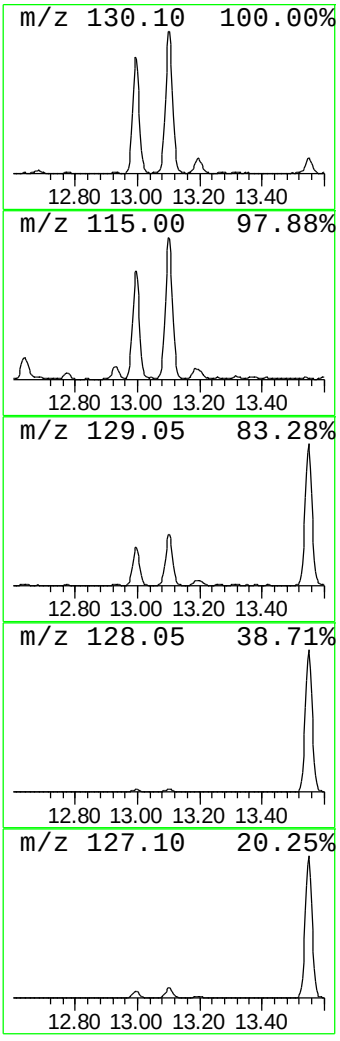
Peak Number 20 Benzene, 1-butynyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	70.73 ug/L	385690	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	2-Methylindene	130	C10H10	002177-47-1	91
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
5	2-Methylindene	130	C10H10	002177-47-1	91





Library Search Compound Report

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Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

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

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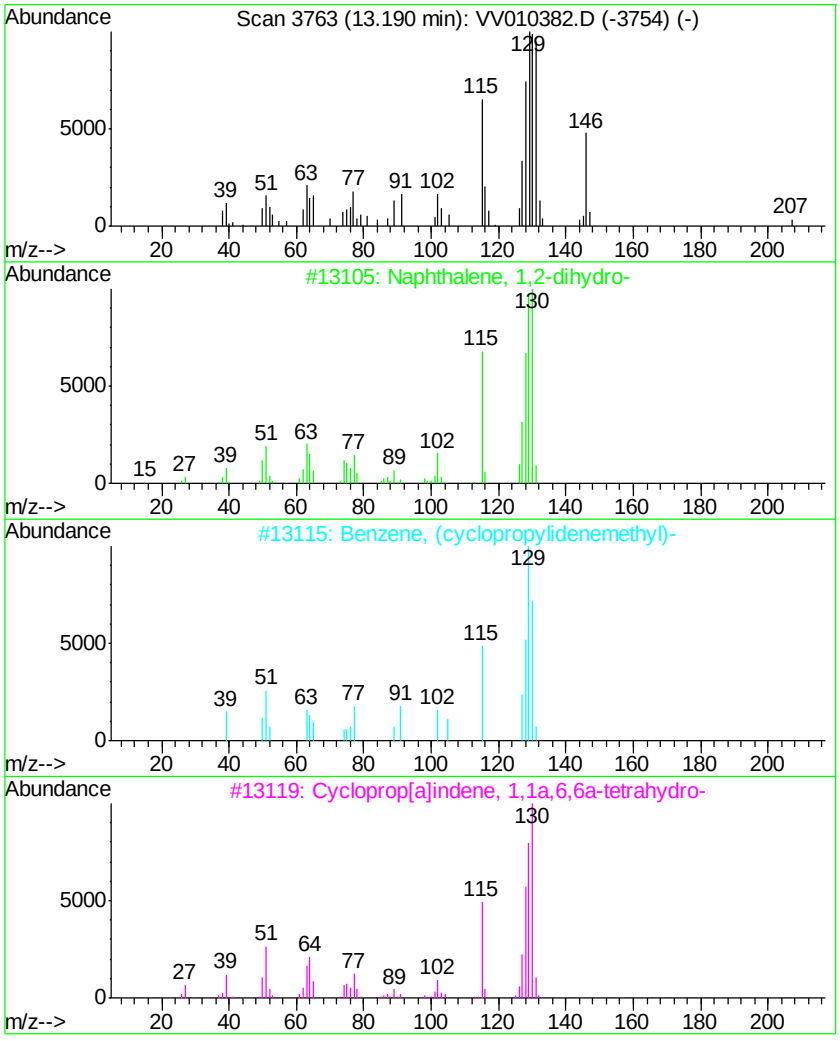
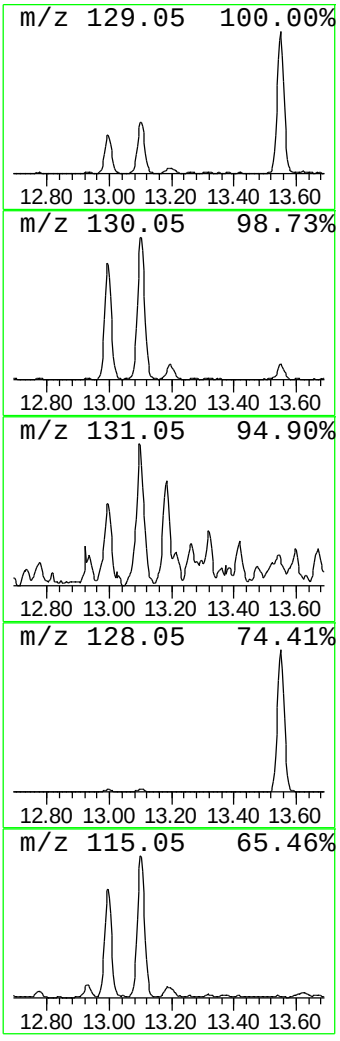
Peak Number 21 Naphthalene, 1,2-dihydro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	13.01 ug/L	70953	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	86
2	Benzene, (cyclopropylidenemethyl)-	130	C10H10	007555-67-1	60
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	46
4	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	46
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

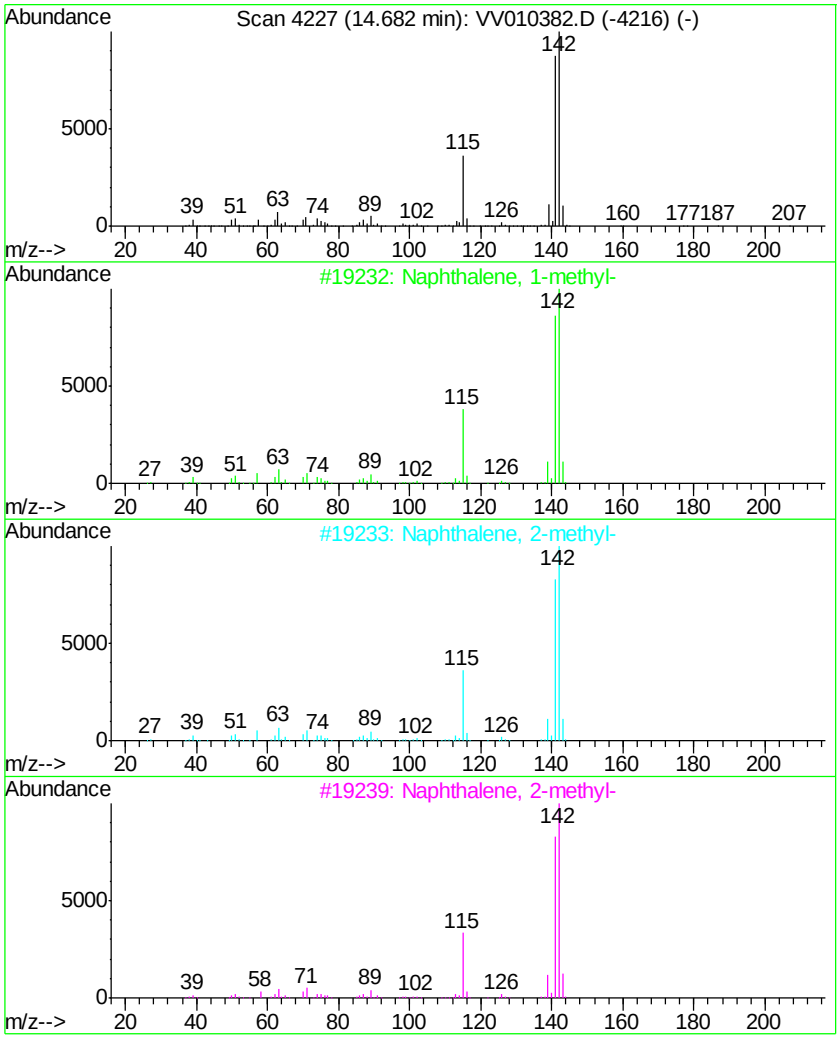
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

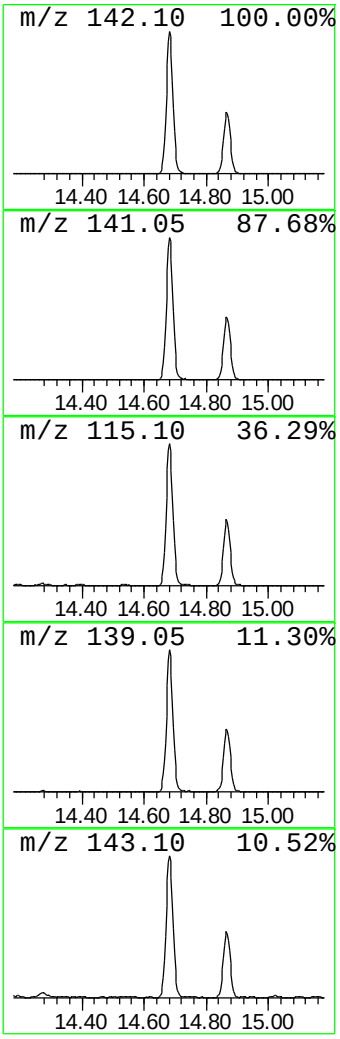
****

Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	405.83 ug/L	2213120	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis

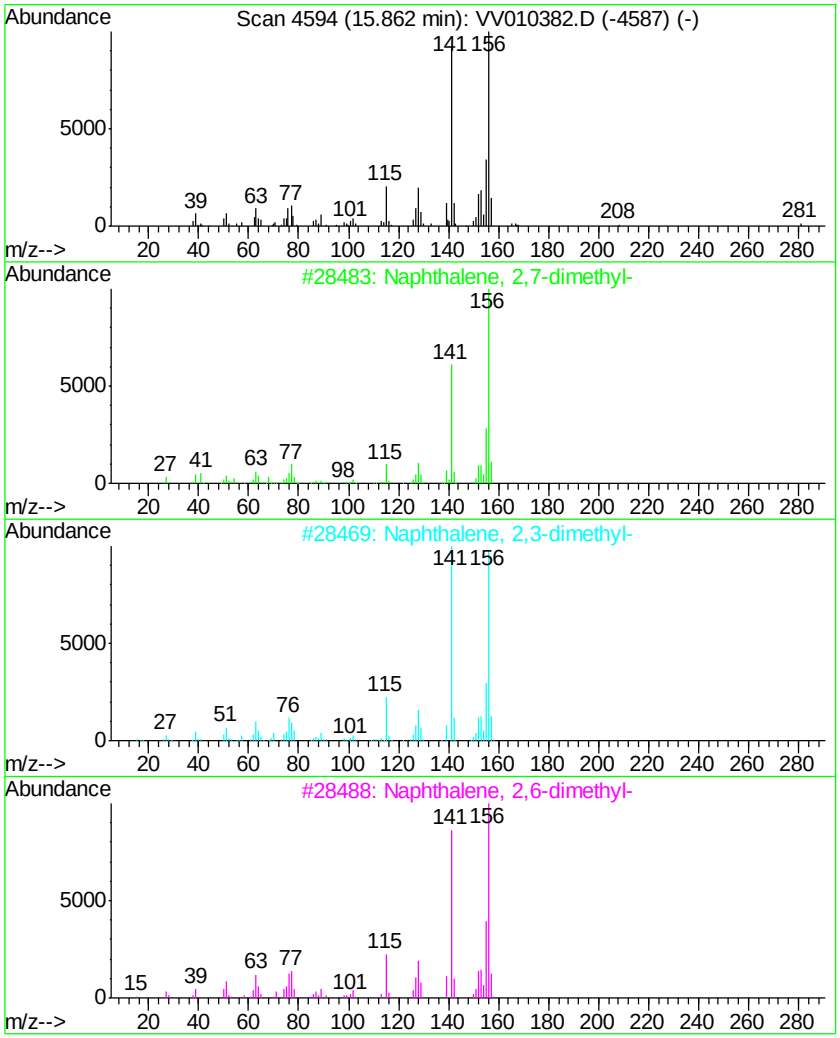
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

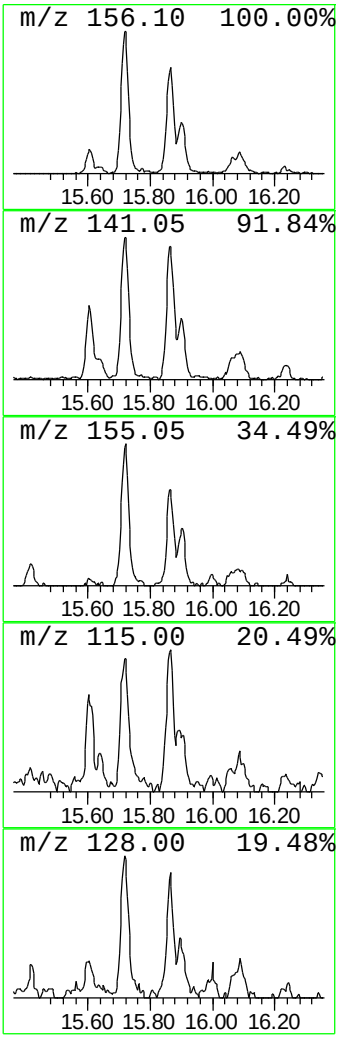
****

Peak Number 26 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	18.76 ug/L	102289	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010382.D
Acq On : 19 Apr 2019 12:36
Operator : SY/MD
Sample : K2402-07
Misc : 5.04G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHH9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.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-ethyl-...	10.50	2.5	ug/L	13729	3	11.30	136333	25.0
2,4-Nonadiyne	10.59	4.1	ug/L	22454	3	11.30	136333	25.0
Benzene, 1,2,3-tr...	10.96	14.4	ug/L	78357	3	11.30	136333	25.0
Benzene, 1-etheny...	11.03	17.1	ug/L	92974	3	11.30	136333	25.0
Benzene, 1-etheny...	11.08	5.3	ug/L	28642	3	11.30	136333	25.0
Benzene, 1-methyl...	11.58	4.2	ug/L	22882	3	11.30	136333	25.0
Benzene, 1-propynyl-	11.79	17.9	ug/L	97642	3	11.30	136333	25.0
Benzene, 2-ethyl-...	11.96	2.7	ug/L	14776	3	11.30	136333	25.0
Benzene, 1-methyl...	12.04	4.6	ug/L	25172	3	11.30	136333	25.0
Benzene, 2-etheny...	12.24	26.7	ug/L	145645	3	11.30	136333	25.0
Benzene, 1-ethyl-...	12.51	20.6	ug/L	112413	3	11.30	136333	25.0
1-Phenyl-1-butene	12.77	5.6	ug/L	30721	3	11.30	136333	25.0
o-Cymene	12.93	20.3	ug/L	110515	3	11.30	136333	25.0
2-Methylindene	12.99	47.6	ug/L	259724	3	11.30	136333	25.0
Benzene, 1-butynyl-	13.10	70.7	ug/L	385690	3	11.30	136333	25.0
Naphthalene, 1,2-...	13.19	13.0	ug/L	70953	3	11.30	136333	25.0
Naphthalene, 1-me...	14.68	405.8	ug/L	2213120	3	11.30	136333	25.0
Naphthalene, 2,7-...	15.86	18.8	ug/L	102289	3	11.30	136333	25.0