LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

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\SOM2VLM041019S.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	2.135	317	325	335	rVB2	15566	21842	0.35%	0.198%
2	2.242	355	358	361	rVB	747	424	0.01%	0.004%
3	2.296	373	375	379	rBV4	657	408	0.01%	0.004%
4	2.338	386	388	390	rBV2	786	373	0.01%	0.003%
5	2.412	408	411	414	rBV2	457	301	0.00%	0.003%
6	2.502	436	439	442	rBV	800	581	0.01%	0.005%
7	2.541	443	451	460	rVB3	5595	8589	0.14%	0.078%
8	2.576	460	462	468	rBV3	455	446	0.01%	0.004%
9	2.772	520	523	527	rVB	459	326	0.01%	0.003%
10	2.843	543	545	549	rBV3	624	380	0.01%	0.003%
11	3.055	607	611	613	rBV2	860	569	0.01%	0.005%
12	3.209	656	659	662	rBV	485	289	0.00%	0.003%
13	3.225	662	664	669	rVB3	767	447	0.01%	0.004%
14	3.251	669	672	675	rBV3	349	311	0.00%	0.003%
15	3.338	697	699	704	rVB	519	272	0.00%	0.002%
16	3.492	743	747	751	rVB2	660	503	0.01%	0.005%
17	3.515	751	754	756	rBV2	691	453	0.01%	0.004%
18	3.544	759	763	766	rBV3	567	399	0.01%	0.004%
19	3.637	787	792	793	rBV2	431	277	0.00%	0.003%
20	3.708	812	814	819	rVB2	562	408	0.01%	0.004%
21	3.769	830	833	835	rBV	453	321	0.01%	0.003%
22	3.952	878	890	892	rBV3	1869	3469	0.06%	0.031%
23	4.254	982	984	986	rBV2	510	283	0.00%	0.003%
24	4.402	1016	1030	1045	rBV3	13055	33595	0.54%	0.305%
25	4.531	1068	1070	1075	rBV3	558	299	0.00%	0.003%
26	4.891	1176	1182	1184	rBV2	625	416	0.01%	0.004%
27	4.933	1191	1195	1199	rBV3	427	403	0.01%	0.004%
28	5.097	1232	1246	1264	rVV6	26152	68109	1.09%	0.618%
29	5.283	1302	1304	1311	rVB	443	354	0.01%	0.003%
30	5.331	1316	1319	1325	rVB2	667	577	0.01%	0.005%
31	5.409	1340	1343	1346	rVB2	584	345	0.01%	0.003%
32	5.428	1346	1349	1350	rBV	561	294	0.00%	0.003%
33	5.528	1376	1380	1382	rVB	547	393	0.01%	0.004%
34	5.666	1413	1423	1436	rBV	24360	48776	0.78%	0.443%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

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\SOM2VLM041019S.M
Title : VOC Analysis

35	5.817	1467	1470	1476	rBV4	513	480	0.01%	0.004%
36	5.852	1477	1481	1486	rVB2	689	571	0.01%	0.005%
37	6.119	1553	1564	1582	rVB5	15402	33709	0.54%	0.306%
38	6.187	1582	1585	1586	rVV	515	272	0.00%	0.002%
39	6.351	1634	1636	1639	rBV	477	290	0.00%	0.003%
40	6.447	1663	1666	1669	rVB2	556	284	0.00%	0.003%
41	6.582	1706	1708	1711	rVB	640	404	0.01%	0.004%
42	7.032	1840	1848	1859	rBV4	6893	11861	0.19%	0.108%
43	7.097	1866	1868	1873	rVB4	801	617	0.01%	0.006%
44	7.364	1940	1951	1966	rVV3	24419	44671	0.71%	0.405%
45	7.476	1982	1986	1990	rBV3	727	568	0.01%	0.005%
46	7.521	1999	2000	2006	rBV	401	349	0.01%	0.003%
47	7.547	2006	2008	2010	rVB	622	292	0.00%	0.003%
48	7.666	2037	2045	2056	rBV6	4110	7564	0.12%	0.069%
49	7.791	2081	2084	2088	rBV3	436	315	0.01%	0.003%
50	7.984	2140	2144	2148	rVV3	582	498	0.01%	0.005%
51	8.058	2164	2167	2173	rVV2	487	496	0.01%	0.005%
52	8.148	2186	2195	2198	rBV4	4012	5760	0.09%	0.052%
53	8.450	2286	2289	2294	rBV2	980	652	0.01%	0.006%
54	8.669	2354	2357	2358	rBV	594	307	0.00%	0.003%
55	8.717	2370	2372	2374	rVB3	726	281	0.00%	0.003%
56	8.736	2374	2378	2381	rBV	581	474	0.01%	0.004%
57	8.794	2394	2396	2399	rBV2	748	422	0.01%	0.004%
58	8.814	2400	2402	2405	rVB2	851	451	0.01%	0.004%
59	8.836	2406	2409	2416	rBV3	435	473	0.01%	0.004%
60	8.897	2416	2428	2444	rBV	36654	62454	1.00%	0.567%
61	9.084	2484	2486	2488	rBV2	767	325	0.01%	0.003%
62	9.183	2506	2517	2527	rBV2	18624	33054	0.53%	0.300%
63	9.408	2583	2587	2588	rBV2	470	306	0.00%	0.003%
64	9.498	2611	2615	2620	rBV2	524	611	0.01%	0.006%
65	9.592	2632	2644	2659	rBV4	13297	27376	0.44%	0.248%
66	9.688	2672	2674	2678	rBV2	489	360	0.01%	0.003%
67	9.839	2718	2721	2724	rVB	587	347	0.01%	0.003%
68	10.261	2844	2852	2864	rVB3	17224	27974	0.45%	0.254%
69	10.347	2874	2879	2882	rBV3	405	379	0.01%	0.003%
70	10.399	2889	2895	2898	rBV5	1909	1885	0.03%	0.017%
71	10.492	2914	2924	2943	rBV3	30652	68127	1.09%	0.618%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

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\SOM2VLM041019S.M
Title : VOC Analysis

72	10.582	2945	2952	2962	rVB2	20592	31368	0.50%	0.285%
73	10.704	2987	2990	2993	rVB3	445	310	0.00%	0.003%
74	10.788	3007	3016	3019	rBV3	9287	14324	0.23%	0.130%
75	10.871	3040	3042	3044	rBV	620	287	0.00%	0.003%
76	10.958	3054	3069	3081	rBV2	87517	143093	2.28%	1.299%
77	11.032	3082	3092	3100	rBV	109959	175510	2.80%	1.593%
78	11.296	3163	3174	3187	rBV	39097	64424	1.03%	0.585%
79	11.383	3190	3201	3212	rBV2	43981	70033	1.12%	0.636%
80	11.444	3212	3220	3231	rVB2	20543	31581	0.50%	0.287%
81	11.502	3236	3238	3243	rVB3	881	440	0.01%	0.004%
82	11.576	3252	3261	3271	rBV4	17056	32972	0.53%	0.299%
83	11.675	3282	3292	3305	rVB3	42874	80536	1.28%	0.731%
84	11.794	3317	3329	3347	rBV	469357	730372	11.65%	6.629%
85	11.961	3372	3381	3383	rBV4	9692	13474	0.21%	0.122%
86	12.039	3398	3405	3408	rBV3	14534	19052	0.30%	0.173%
87	12.241	3460	3468	3478	rVB	65000	98440	1.57%	0.893%
88	12.299	3478	3486	3498	rVB5	20345	32013	0.51%	0.291%
89	12.405	3515	3519	3521	rBV4	1821	1541	0.02%	0.014%
90	12.460	3528	3536	3544	rBV3	17211	24757	0.39%	0.225%
91	12.514	3544	3553	3567	rBV3	36572	78206	1.25%	0.710%
92	12.637	3582	3591	3603	rBV2	42240	71219	1.14%	0.646%
93	12.772	3627	3633	3647	rVB2	16642	23772	0.38%	0.216%
94	12.929	3673	3682	3692	rVB3	50555	77542	1.24%	0.704%
95	12.994	3692	3702	3715	rBV	216179	323571	5.16%	2.937%
96	13.103	3724	3736	3751	rVB	277412	456789	7.29%	4.146%
97	13.553	3862	3876	3895	rBV	4119149	6268207	100.00%	56.893%
98	14.145	4052	4060	4069	rBV4	19671	33210	0.53%	0.301%
99	14.685	4216	4228	4249	rBV	727616	1106918	17.66%	10.047%
100	14.868	4274	4285	4302	rBV	308585	483040	7.71%	4.384%

Sum of corrected areas: 11017492

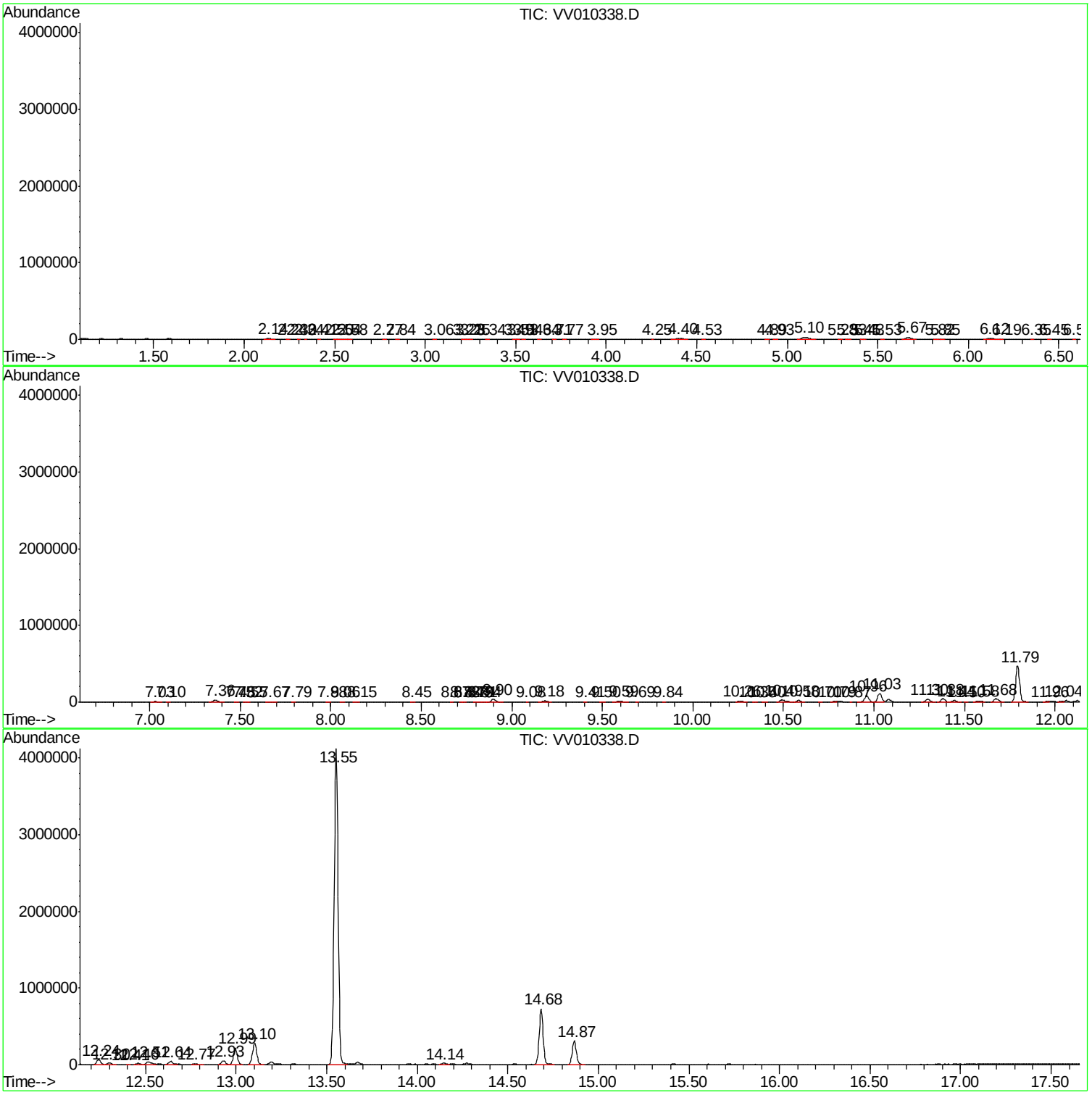
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.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\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

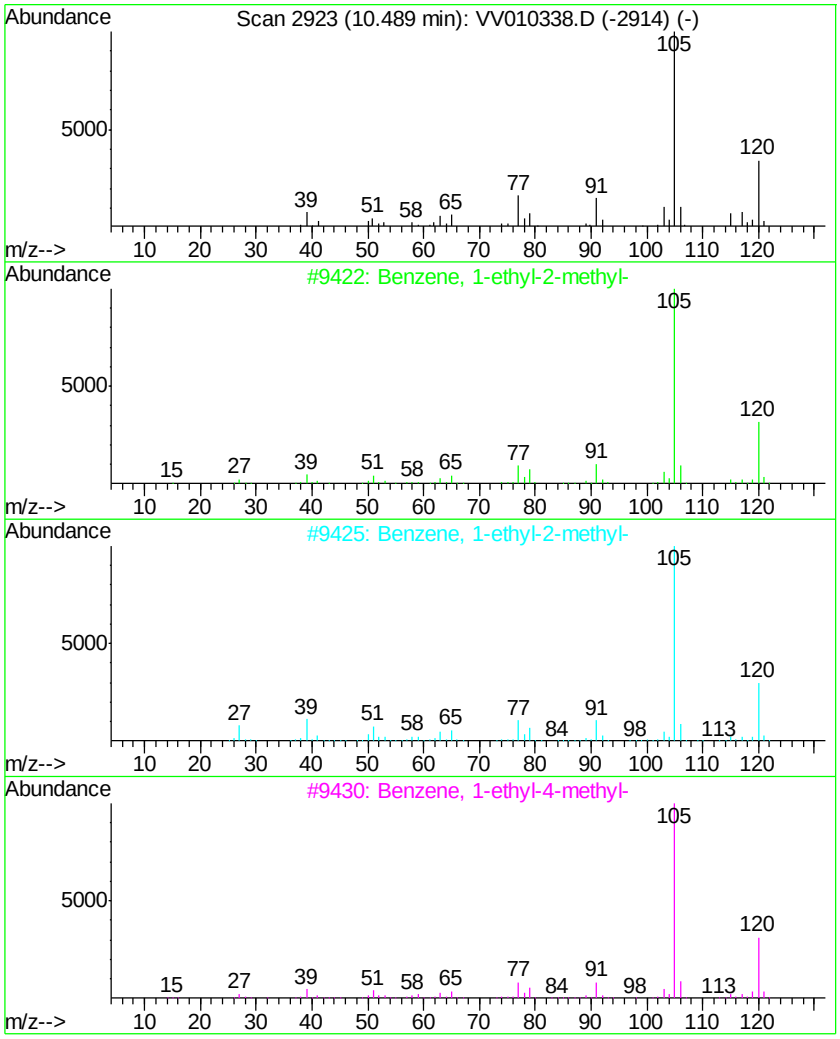
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

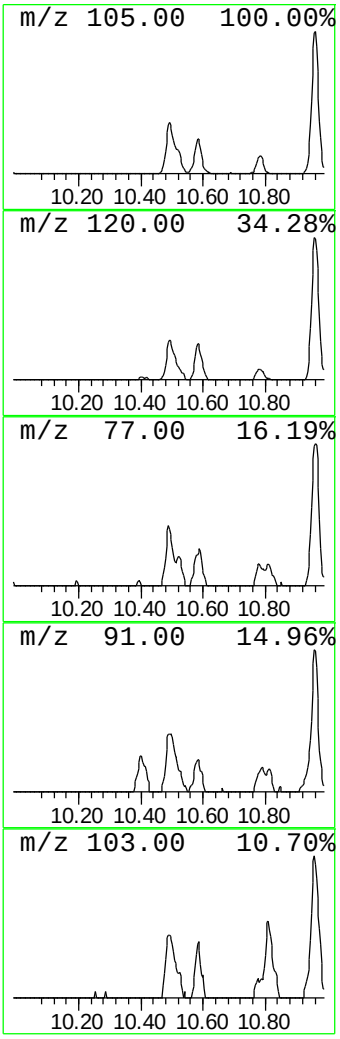
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	26.44 ug/L	68127	1,4-Dichlorobenzene-d4	11.30

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

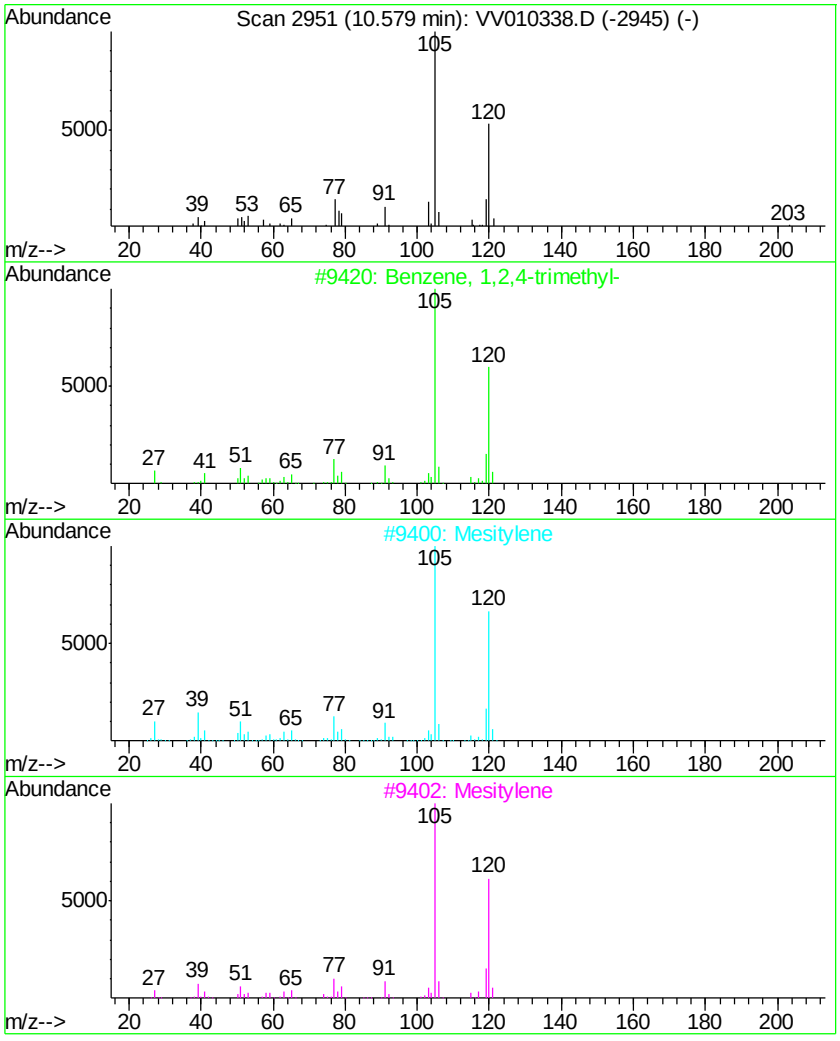
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

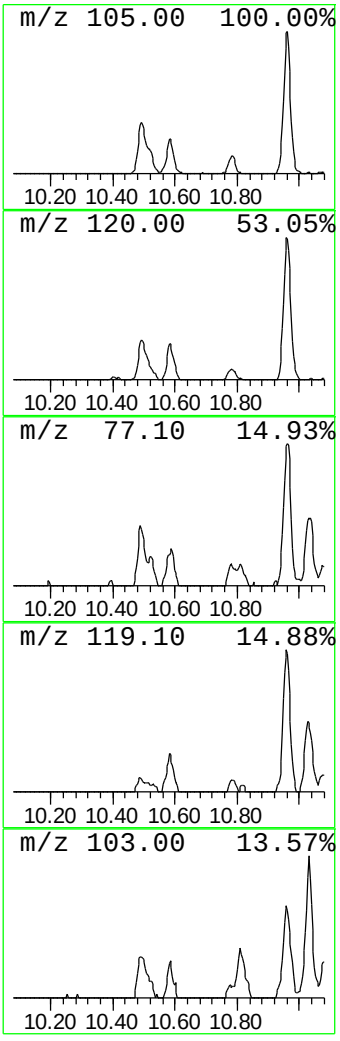
****

Peak Number 3 Benzene, 1,2,4-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	12.17 ug/L	31368	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
2	Mesitylene	120	C9H12	000108-67-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Mesitylene	120	C9H12	000108-67-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

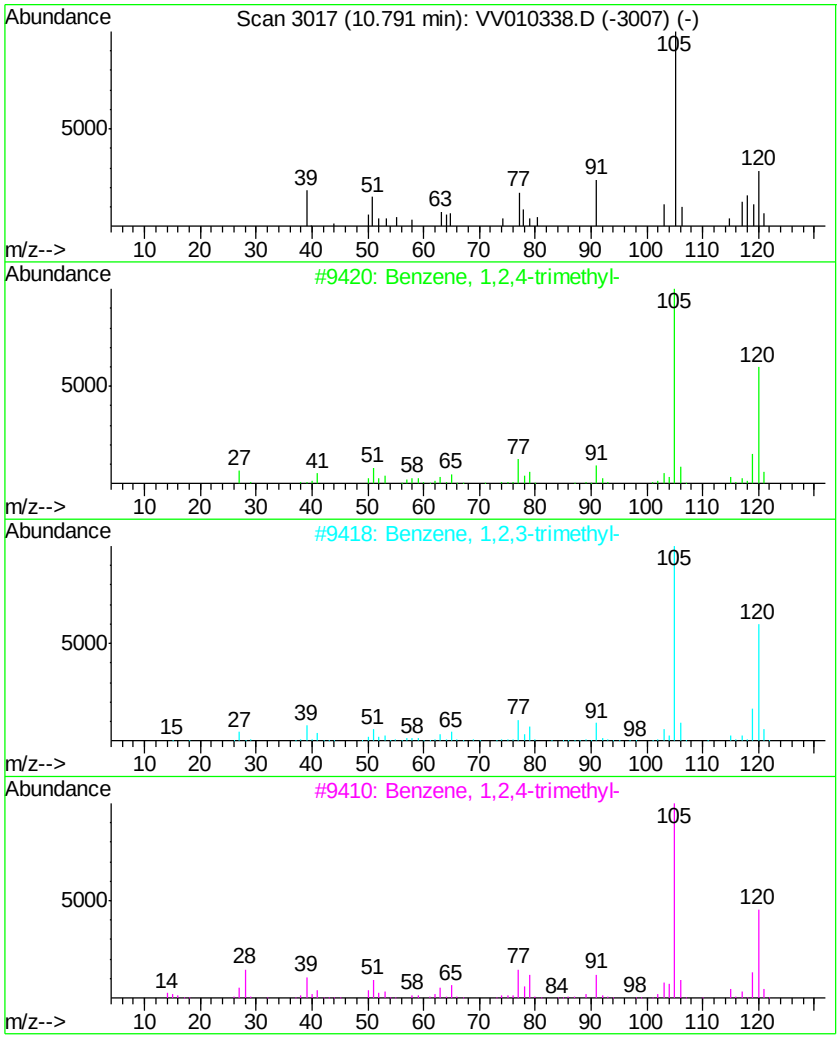
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

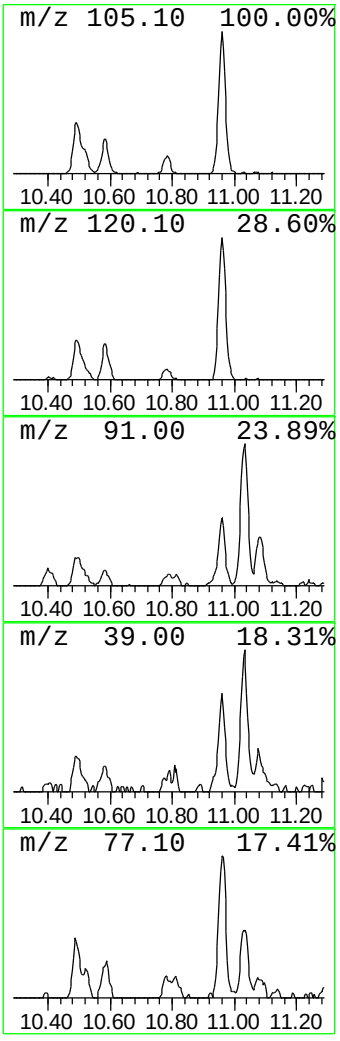
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	5.56 ug/L	14324	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	59
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	59
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	59
4	2,4-Nonadiyne	120	C9H12	063621-15-8	58
5	Mesitylene	120	C9H12	000108-67-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

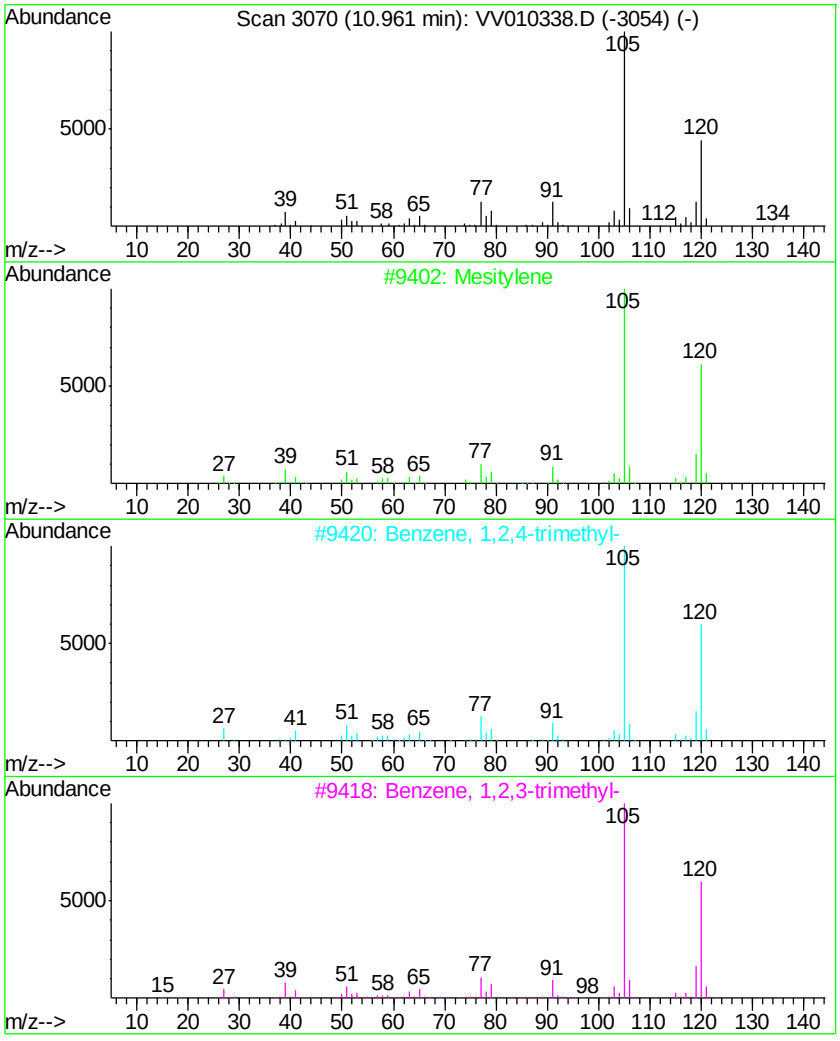
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

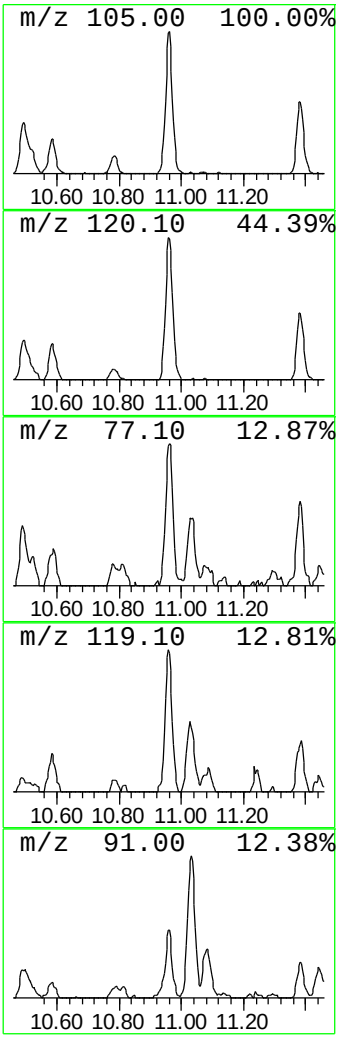
****

Peak Number 5 Mesitylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	55.53 ug/L	143093	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

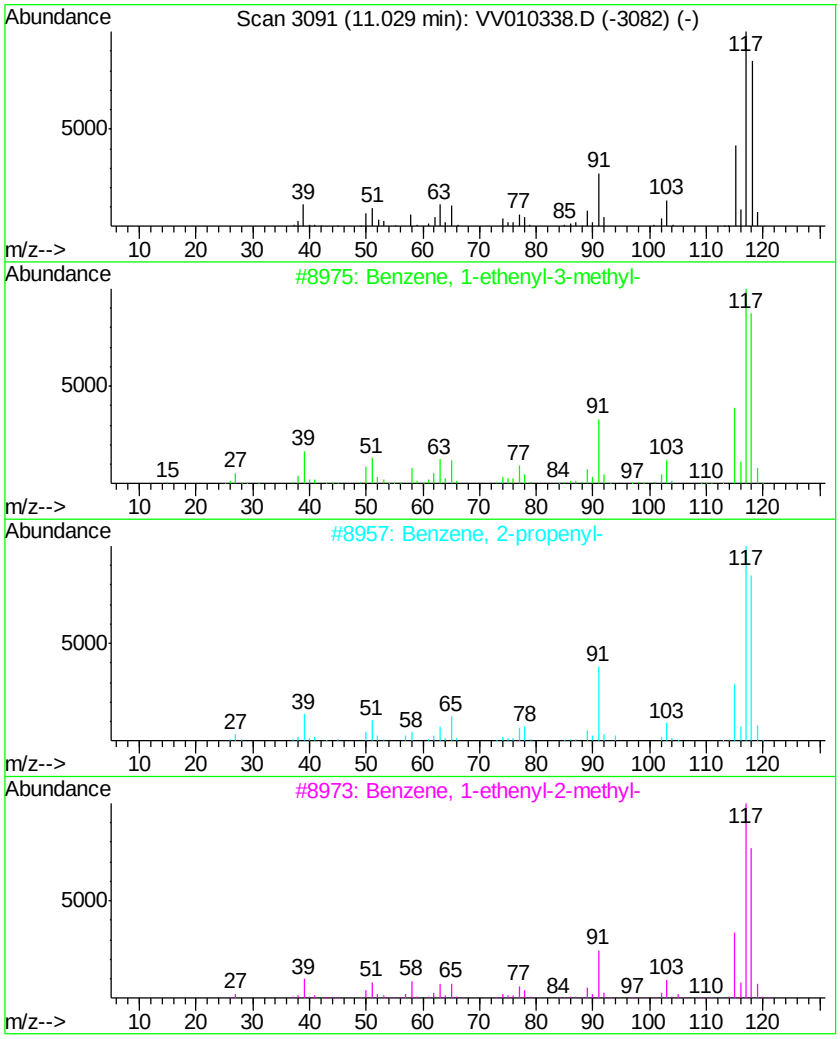
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

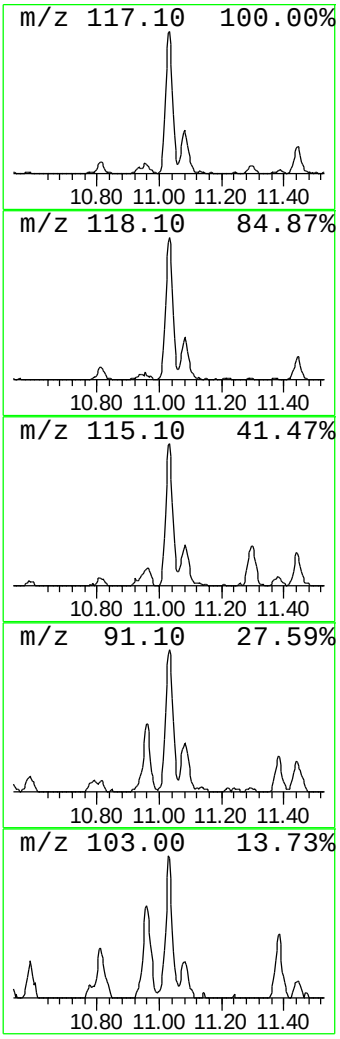
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	68.11 ug/L	175510	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	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	95
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

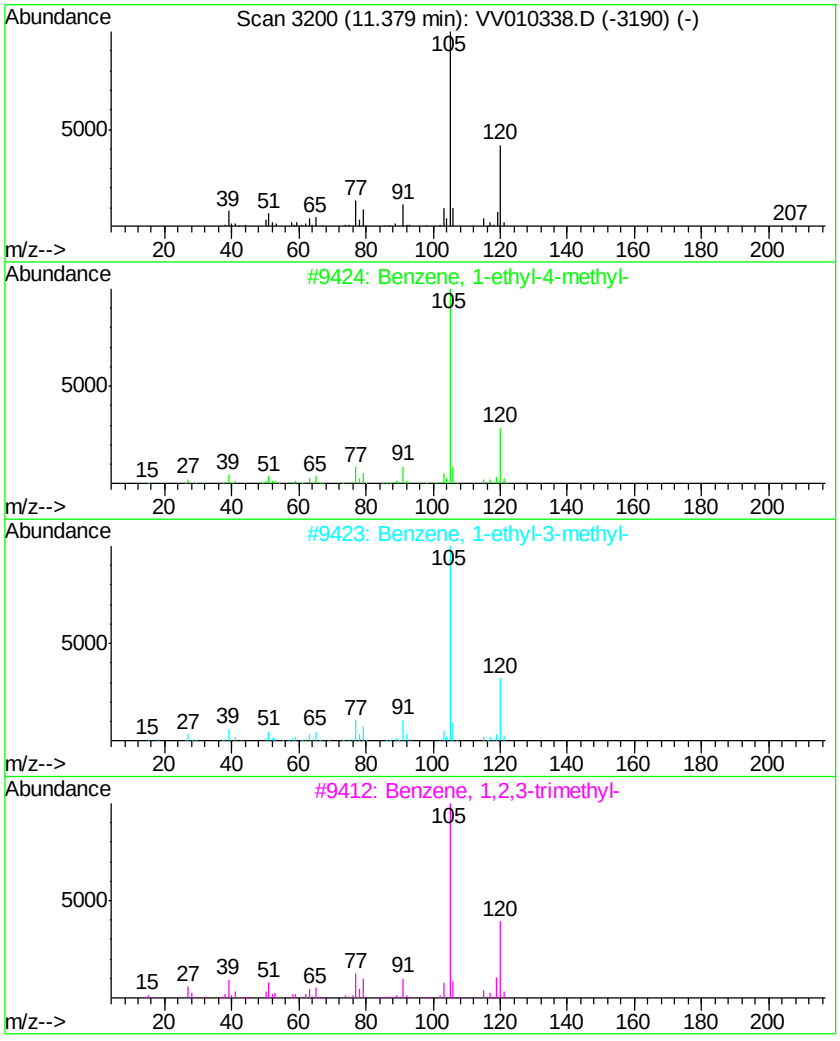
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

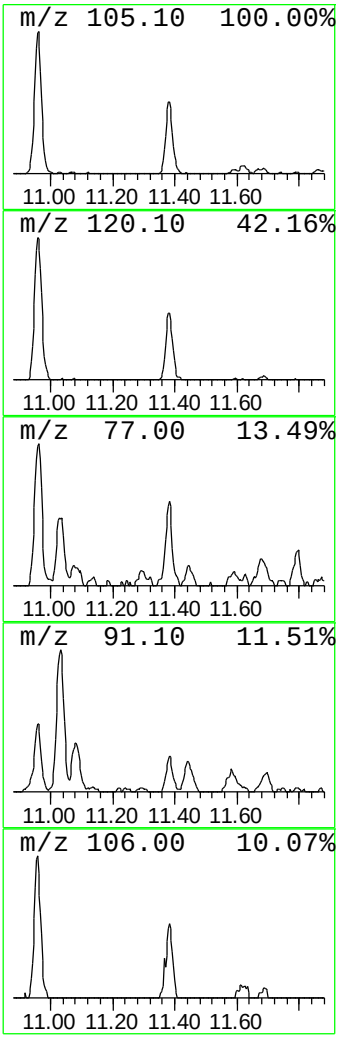
****

Peak Number 7 Benzene, 1-ethyl-4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	27.18 ug/L	70033	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	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

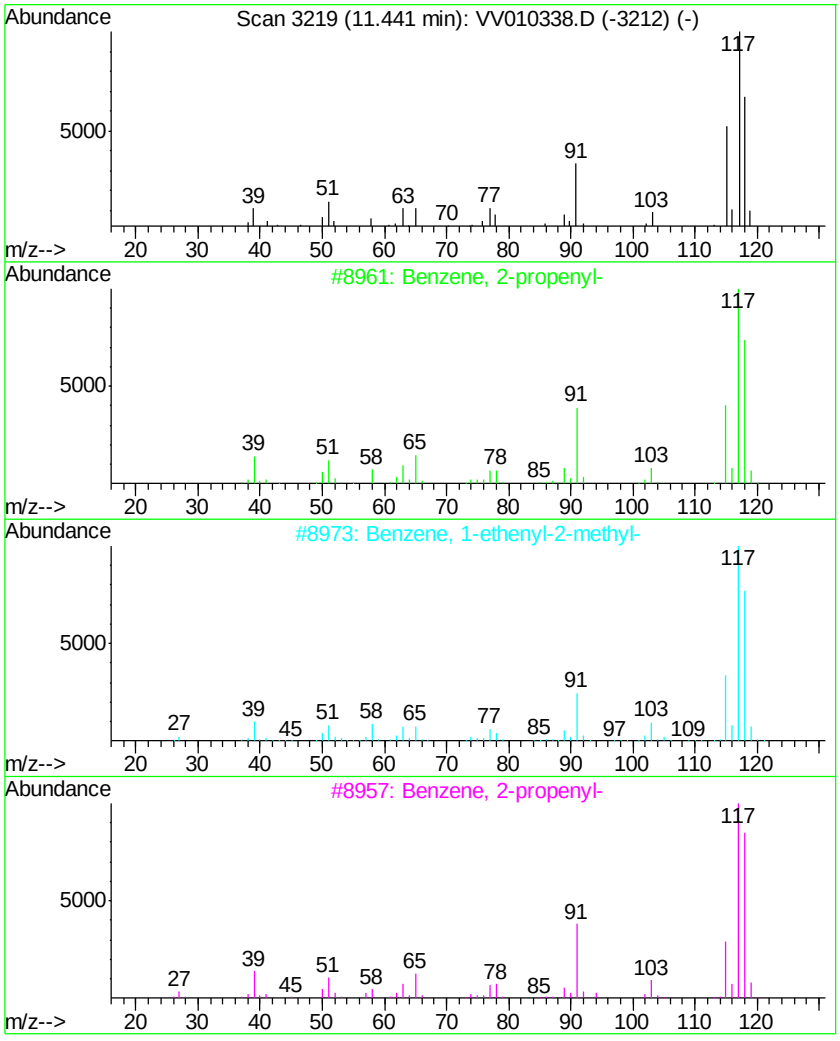
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

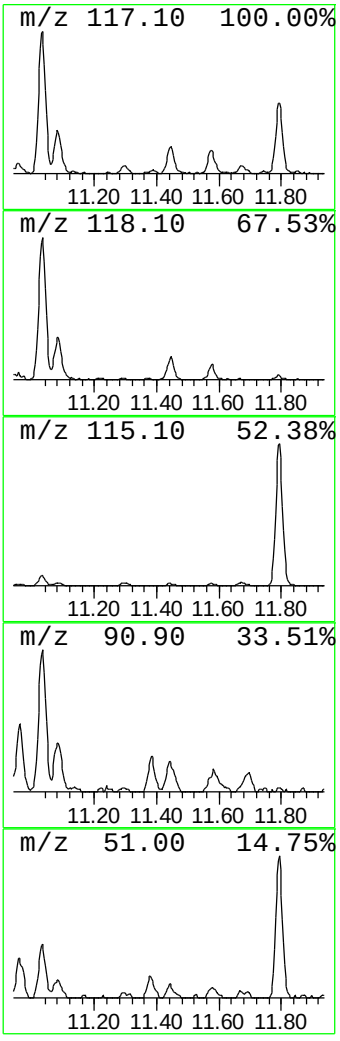
****

Peak Number 8 Benzene, 2-propenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	12.26 ug/L	31581	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	90
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90





Library Search Compound Report

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Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

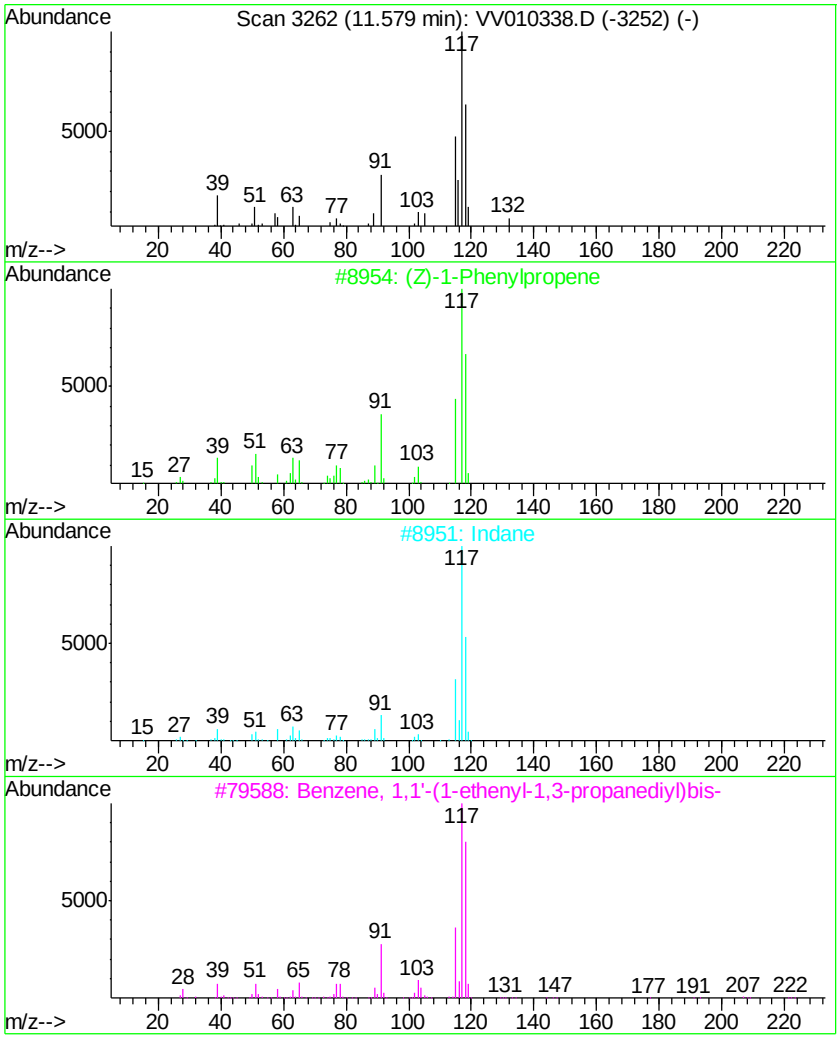
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

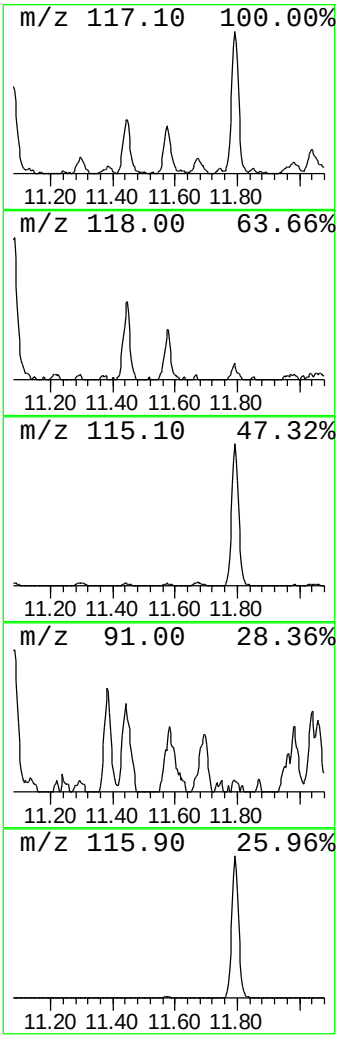
****

Peak Number 9 (Z)-1-Phenylpropene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	12.79 ug/L	32972	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
2	Indane	118	C9H10	000496-11-7	58
3	Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	53
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	52





Library Search Compound Report

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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

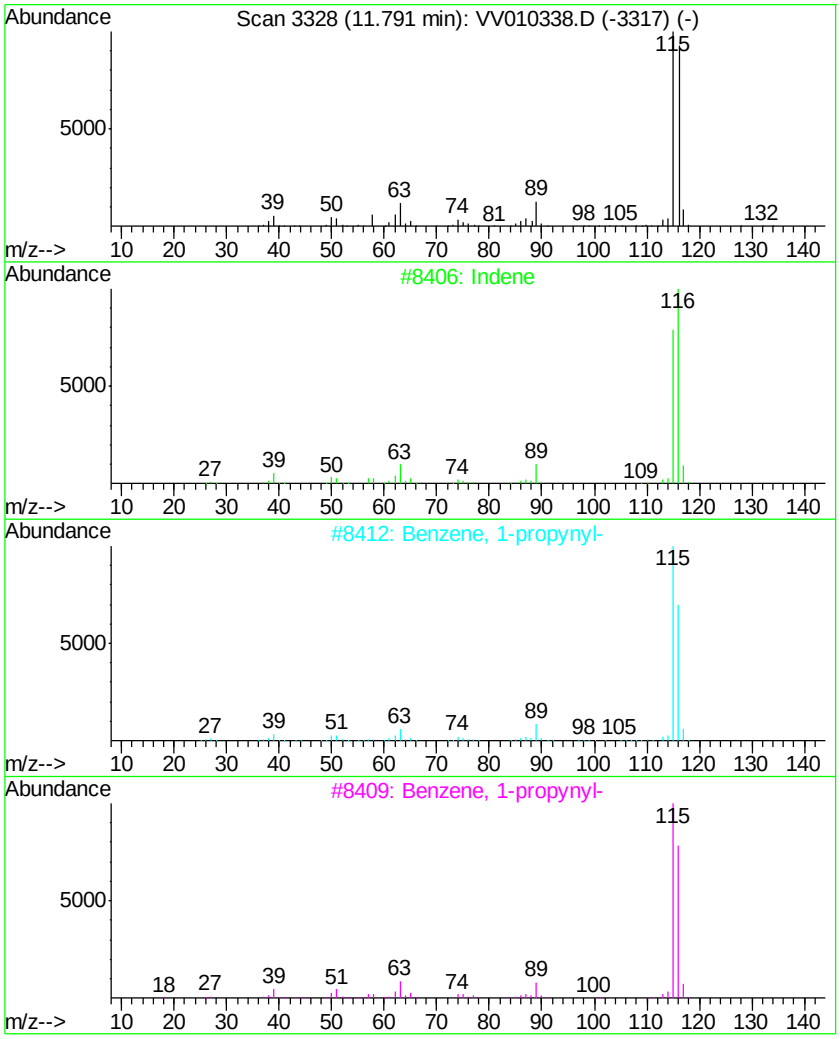
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

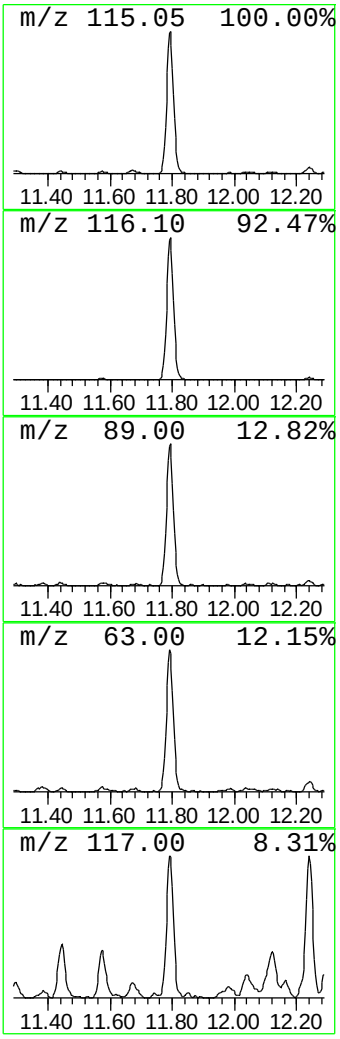
****

Peak Number 10 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	283.42 ug/L	730372	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Library Search Compound Report

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Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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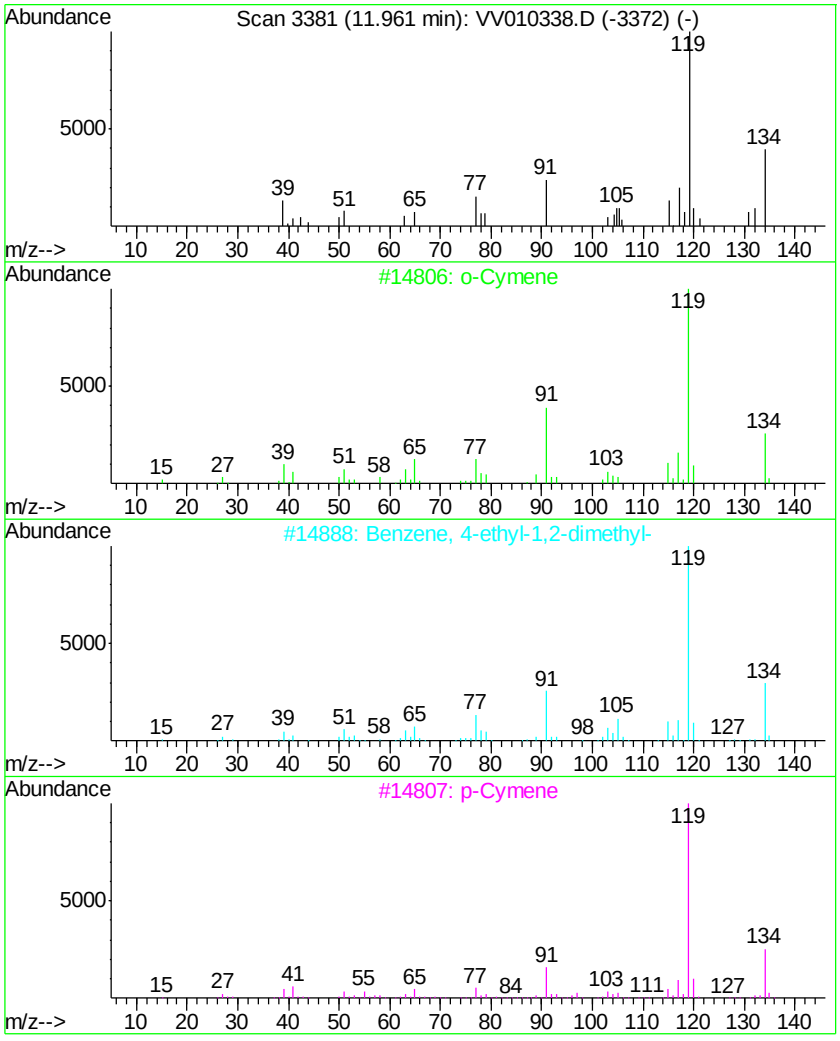
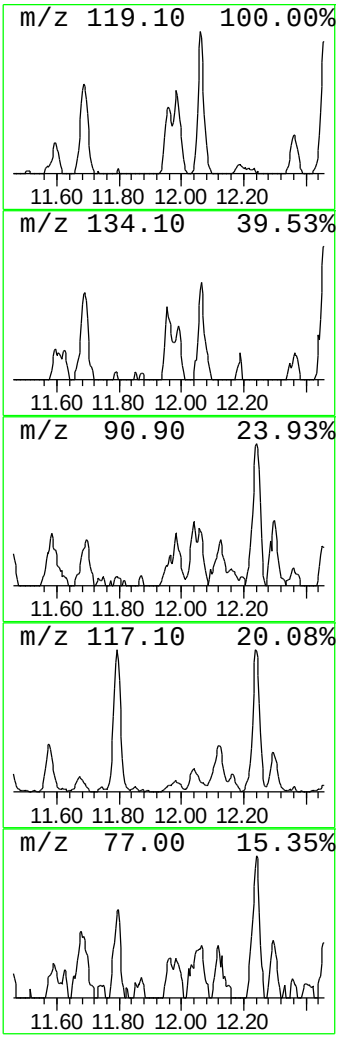
Peak Number 11 o-Cymene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.23 ug/L	13474	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	80
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
3	p-Cymene	134	C10H14	000099-87-6	64
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5	p-Cymene	134	C10H14	000099-87-6	64





Library Search Compound Report

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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

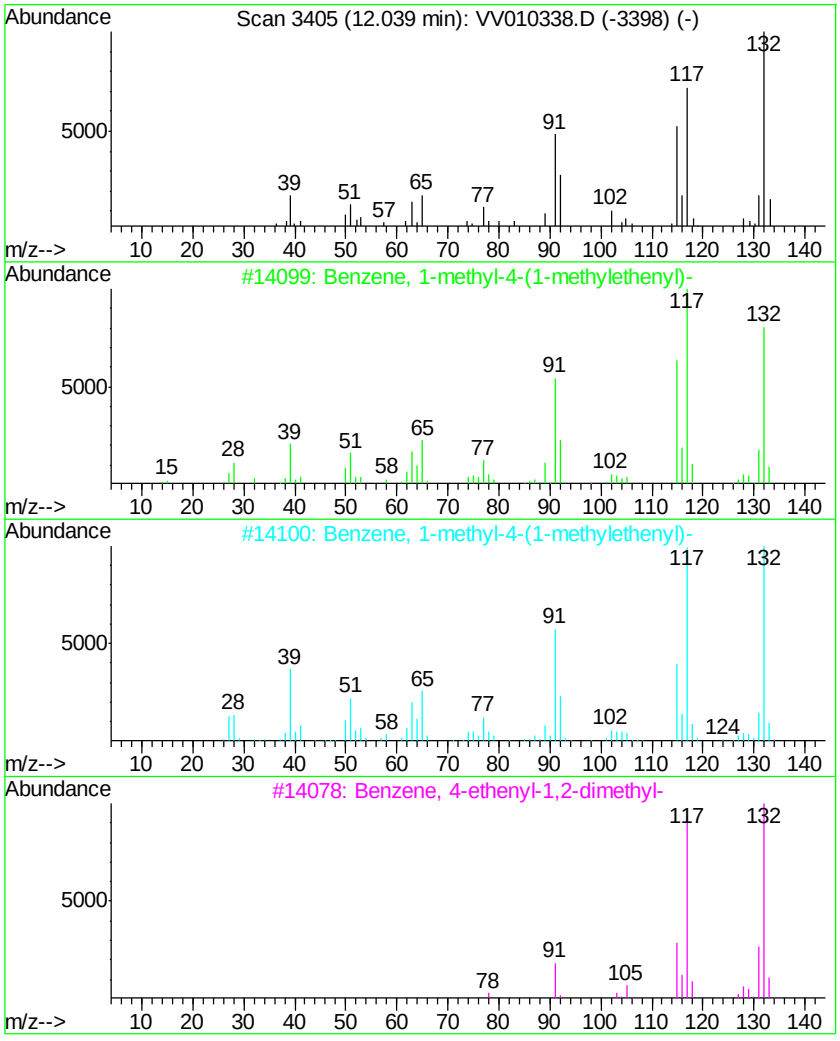
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

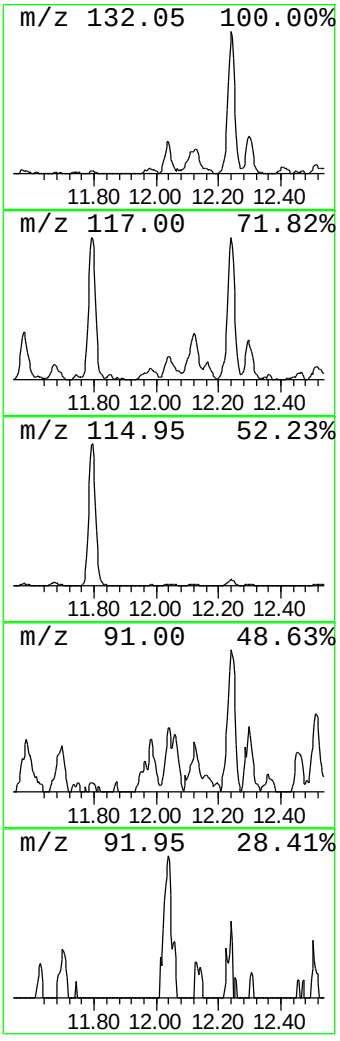
****

Peak Number 12 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	7.39 ug/L	19052	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	83
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	76
3	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	76
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	68
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	58





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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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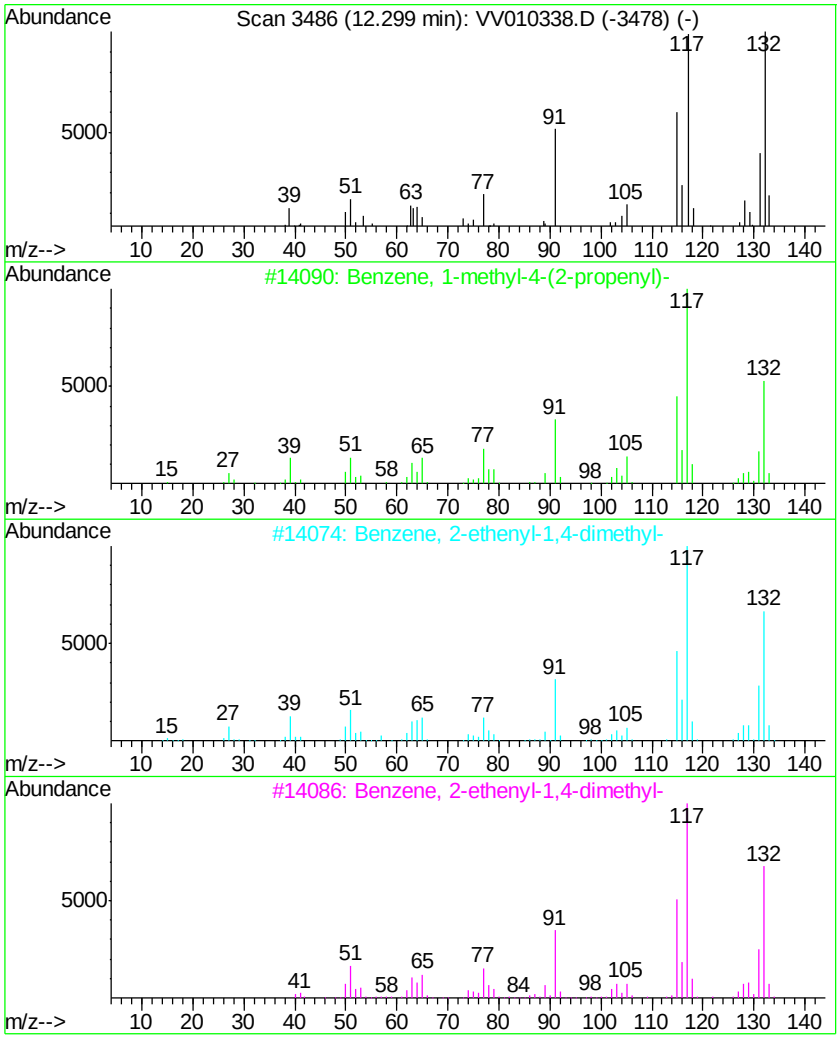
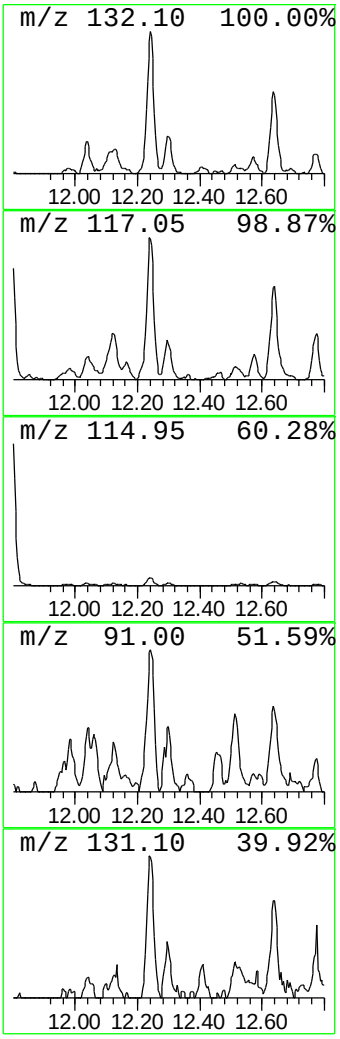
Peak Number 14 Benzene, 1-methyl-4-(2-prop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	12.42 ug/L	32013	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	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
5	o-Isopropenyltoluene	132	C10H12	007399-49-7	87





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Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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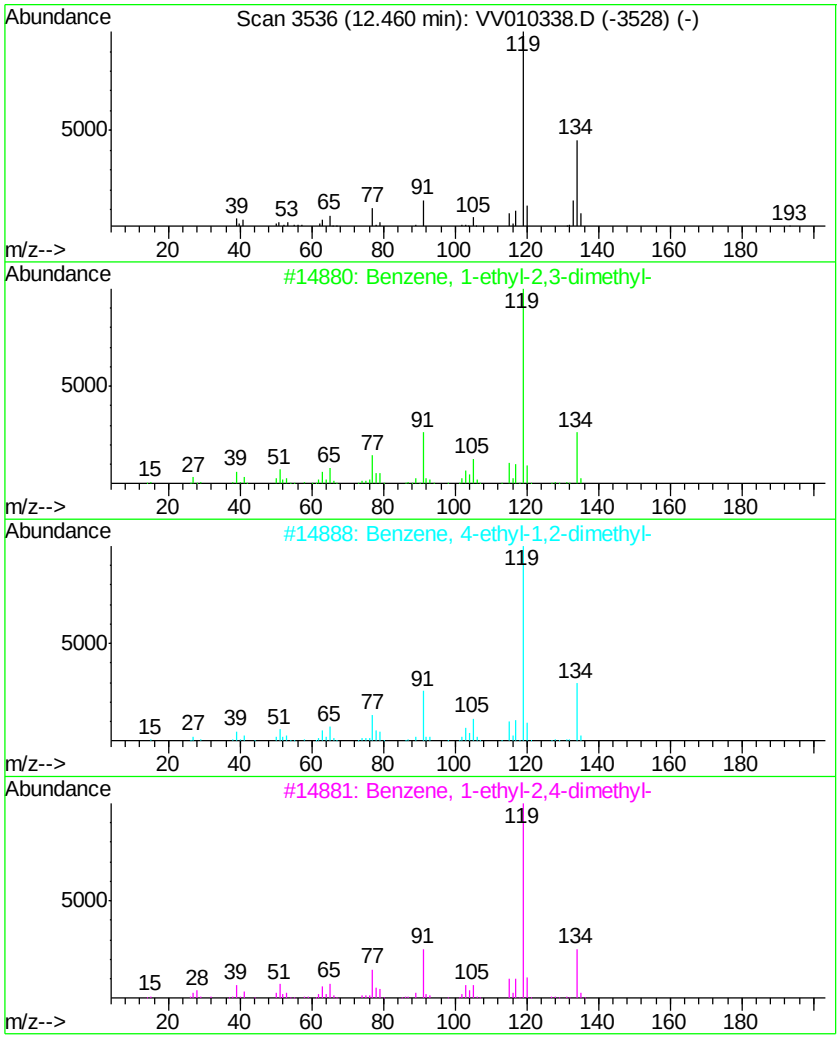
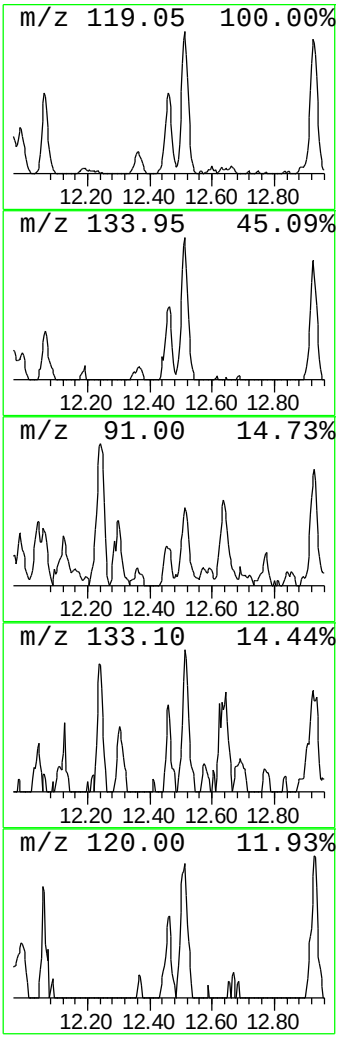
Peak Number 15 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	9.61 ug/L	24757	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Library Search Compound Report

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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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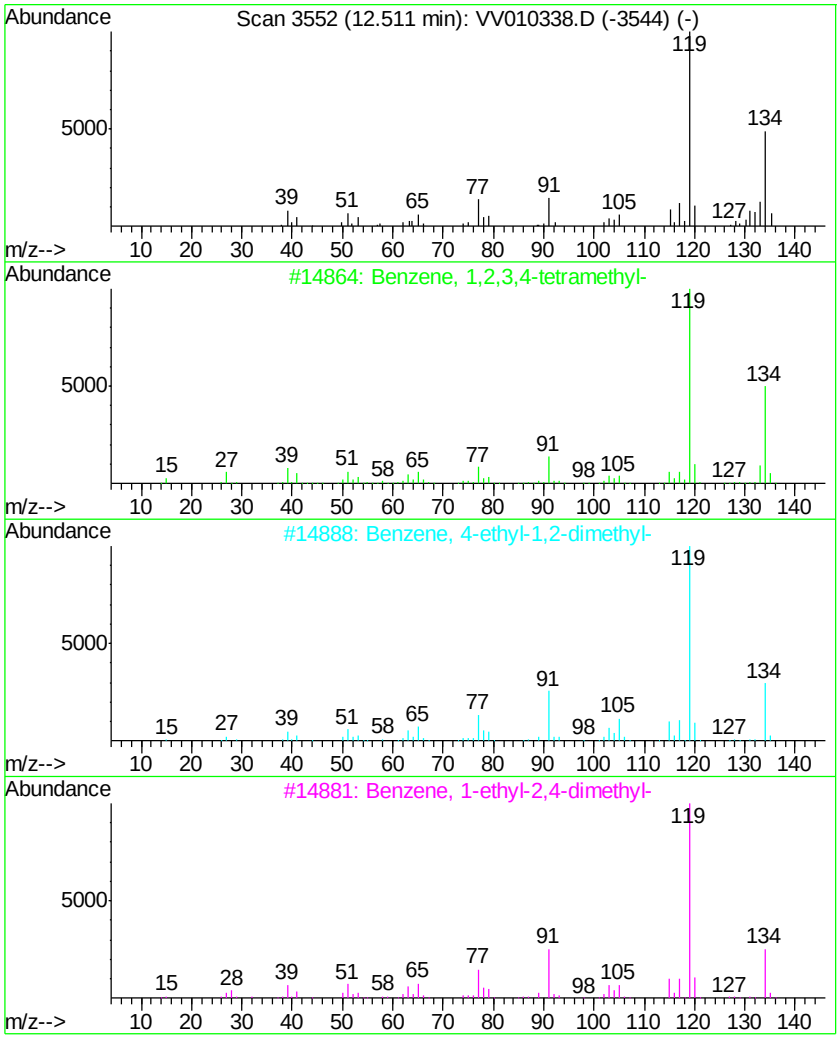
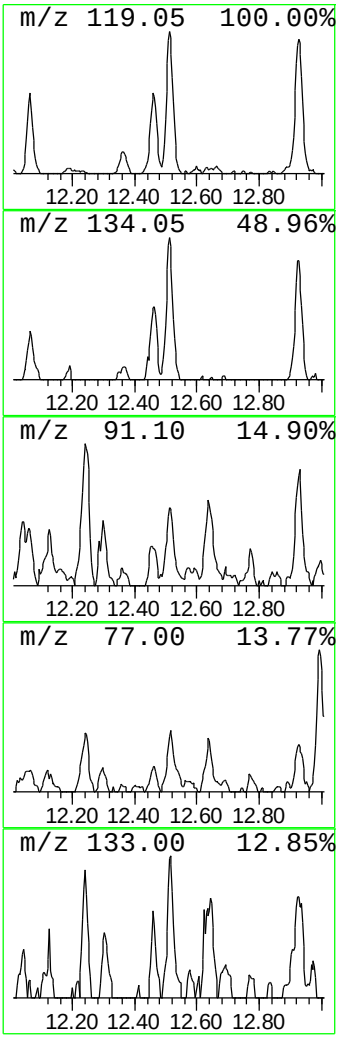
Peak Number 16 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	30.35 ug/L	78206	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

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Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

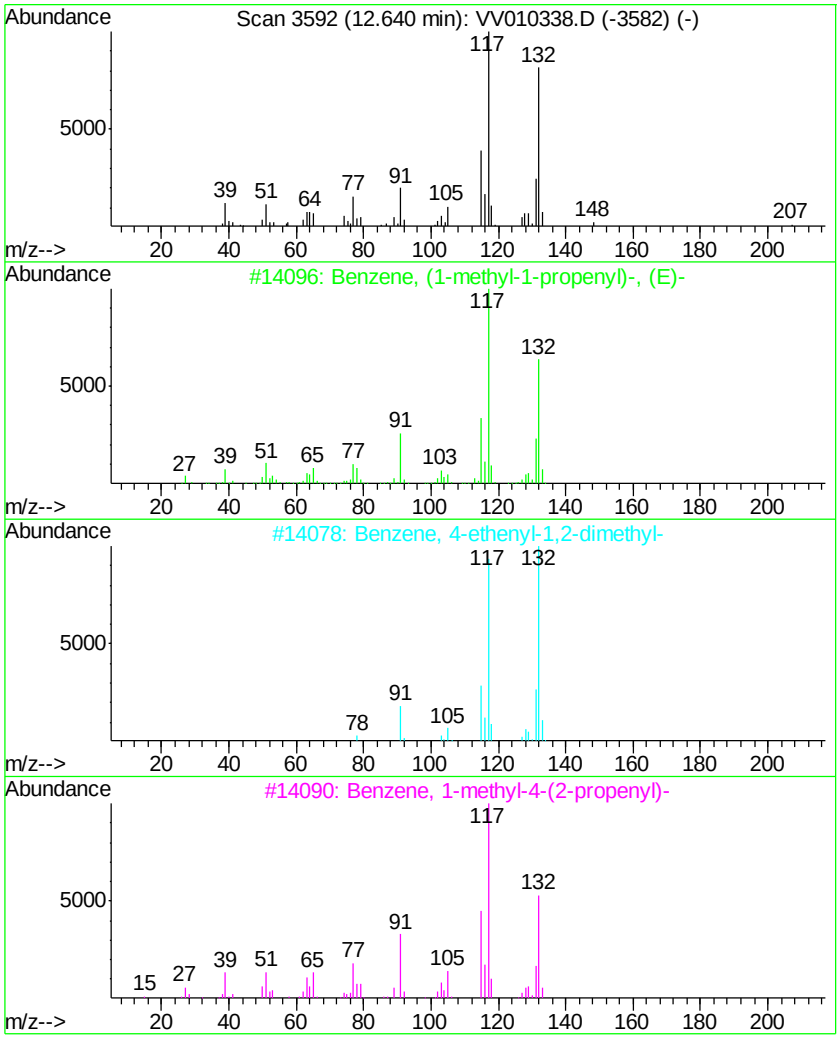
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

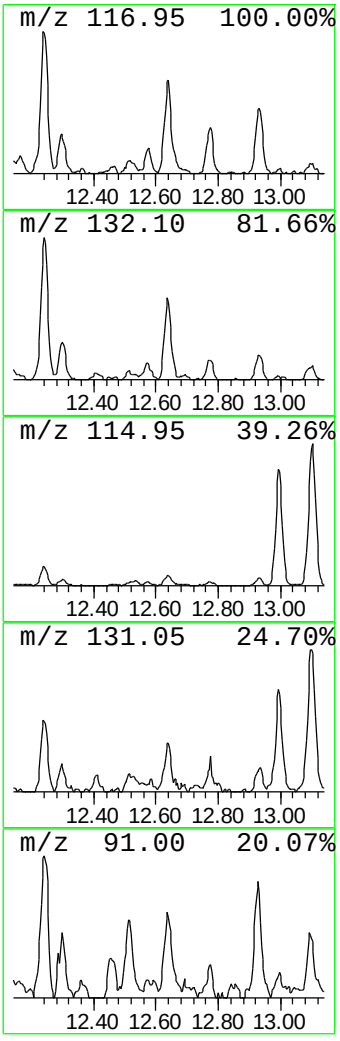
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, (1-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	27.64 ug/L	71219	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	93
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	93
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	91
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	91





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Data File : VV010338.D
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Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

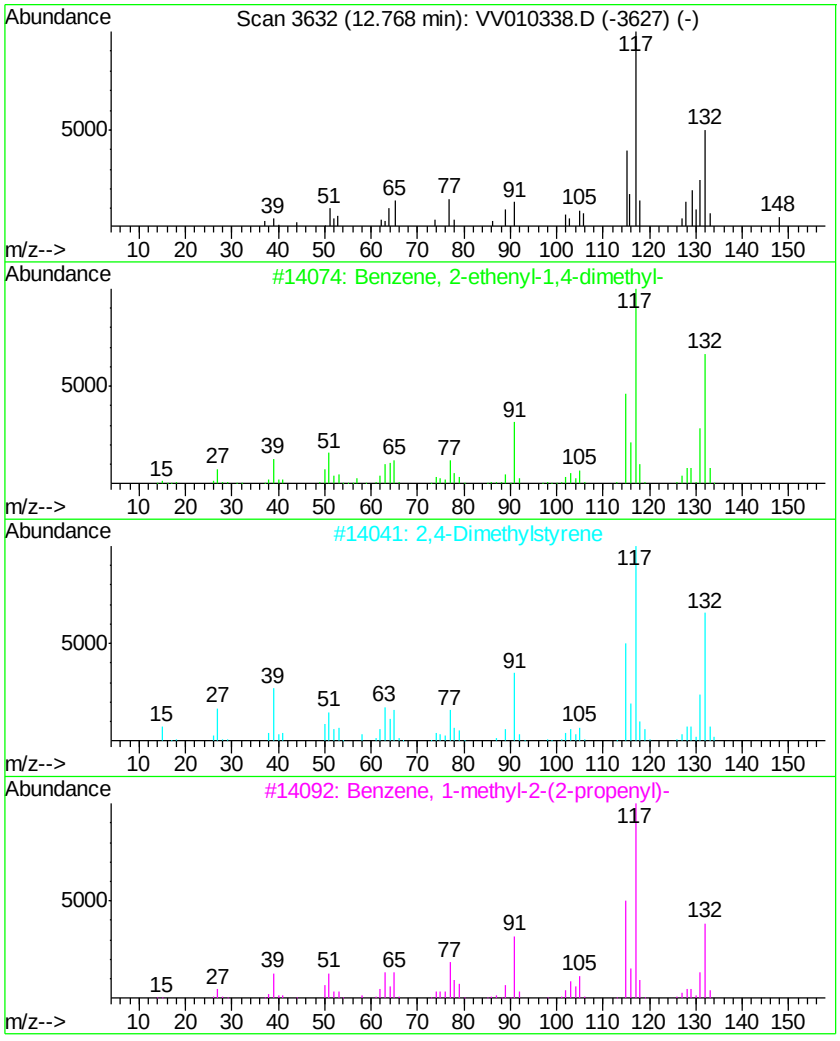
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

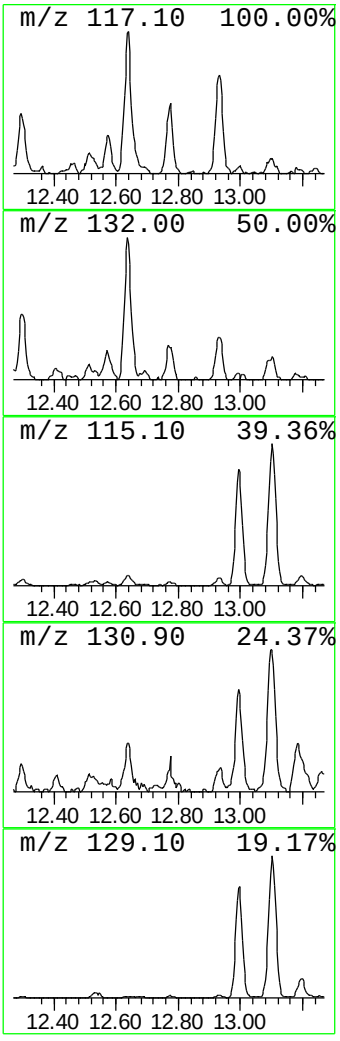
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	9.22 ug/L	23772	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	91
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	81
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	81





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Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

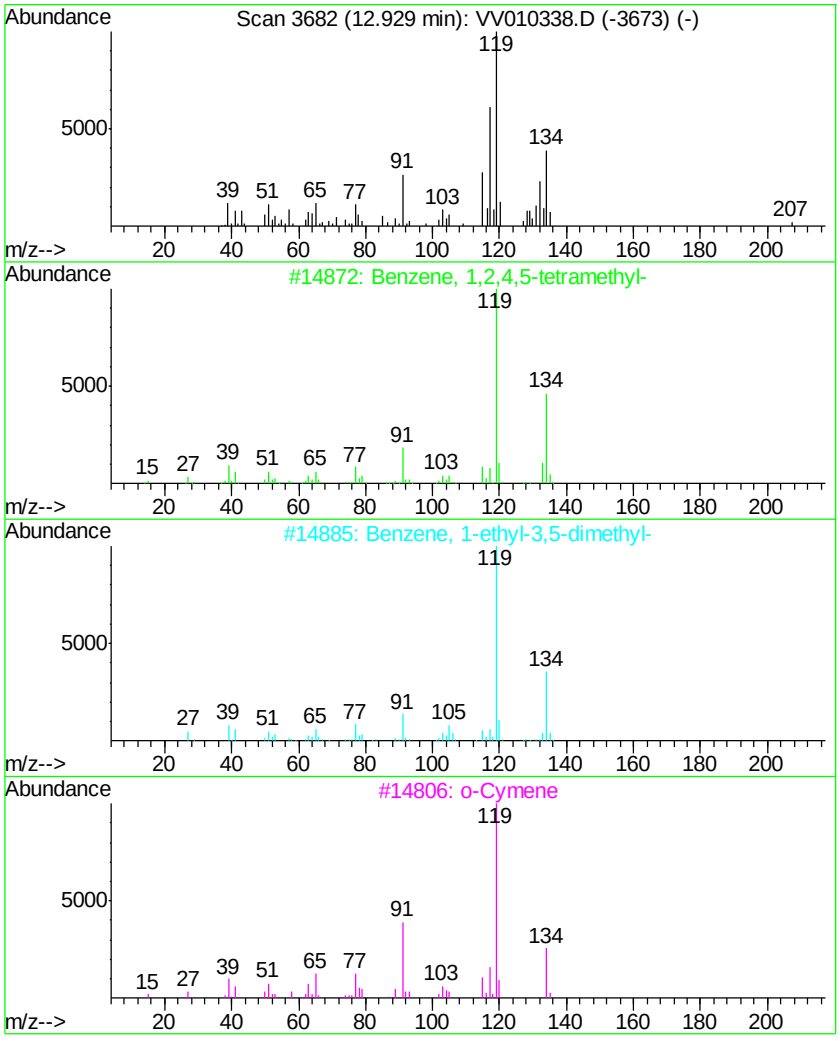
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

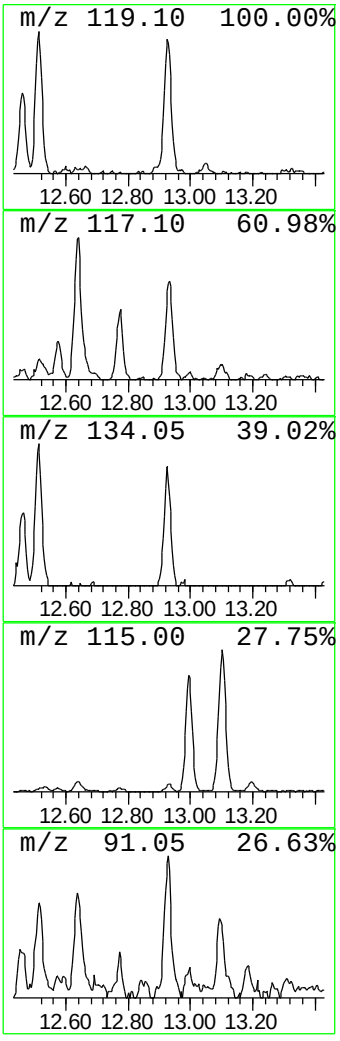
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	30.09 ug/L	77542	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
3	o-Cymene	134	C10H14	000527-84-4	58
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58
5	p-Cymene	134	C10H14	000099-87-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

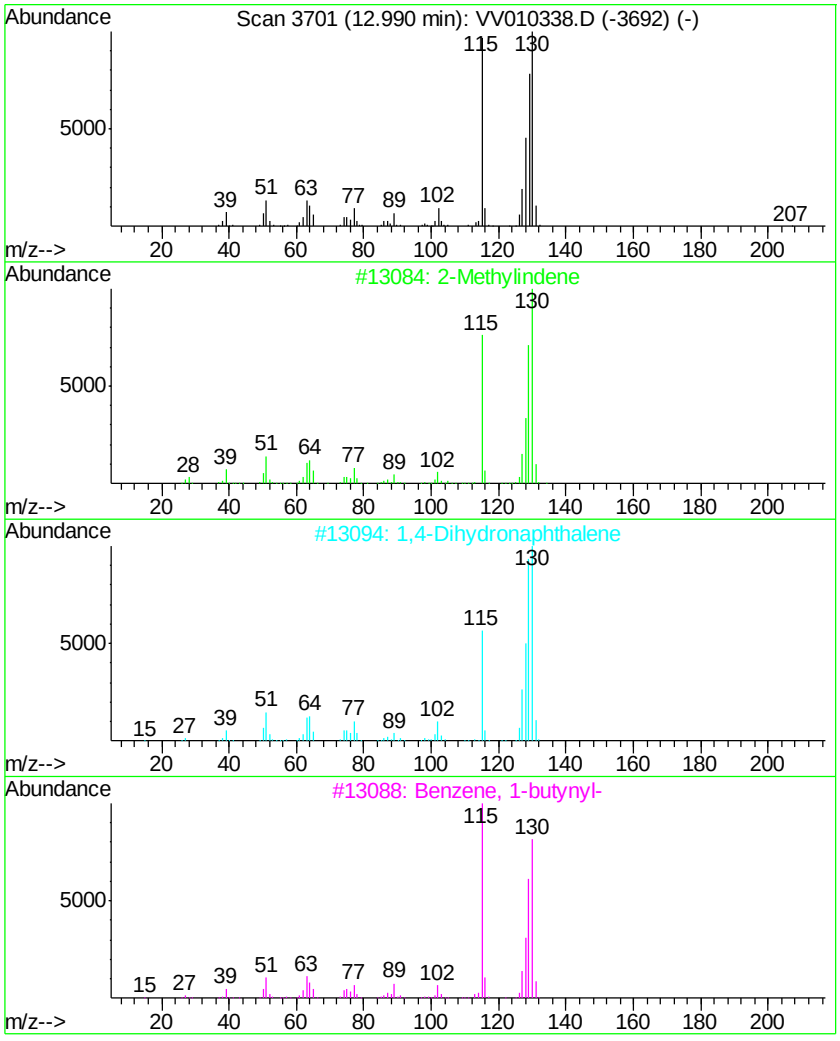
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

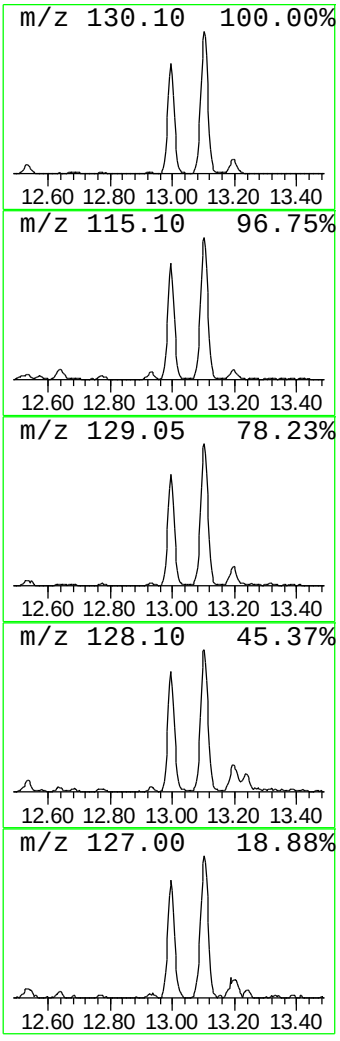
****

Peak Number 20 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	125.56 ug/L	323571	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	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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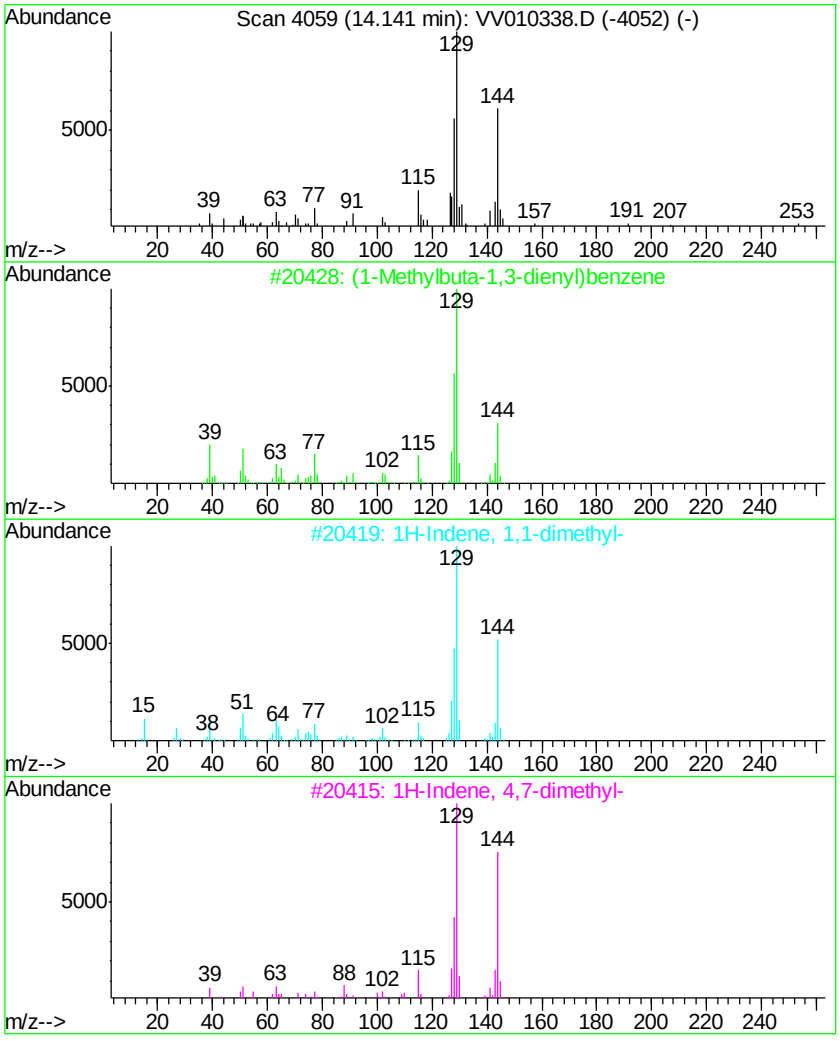
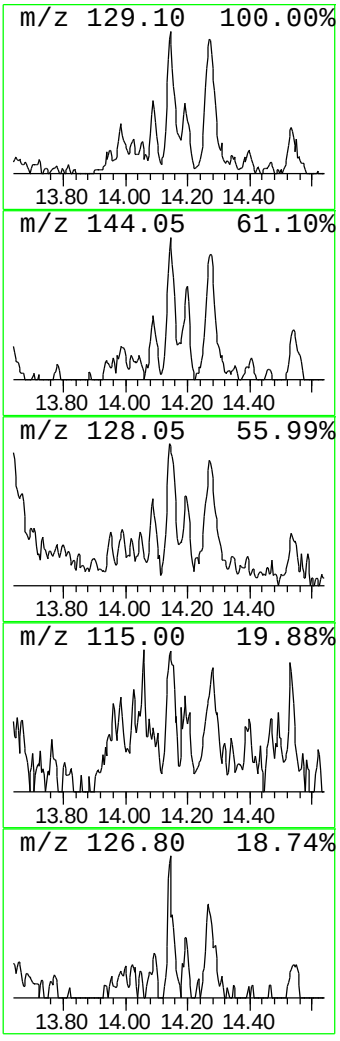
Peak Number 23 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	12.89 ug/L	33210	1,4-Dichlorobenzene-d4	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	87
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	81
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	74
4	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	72
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis

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

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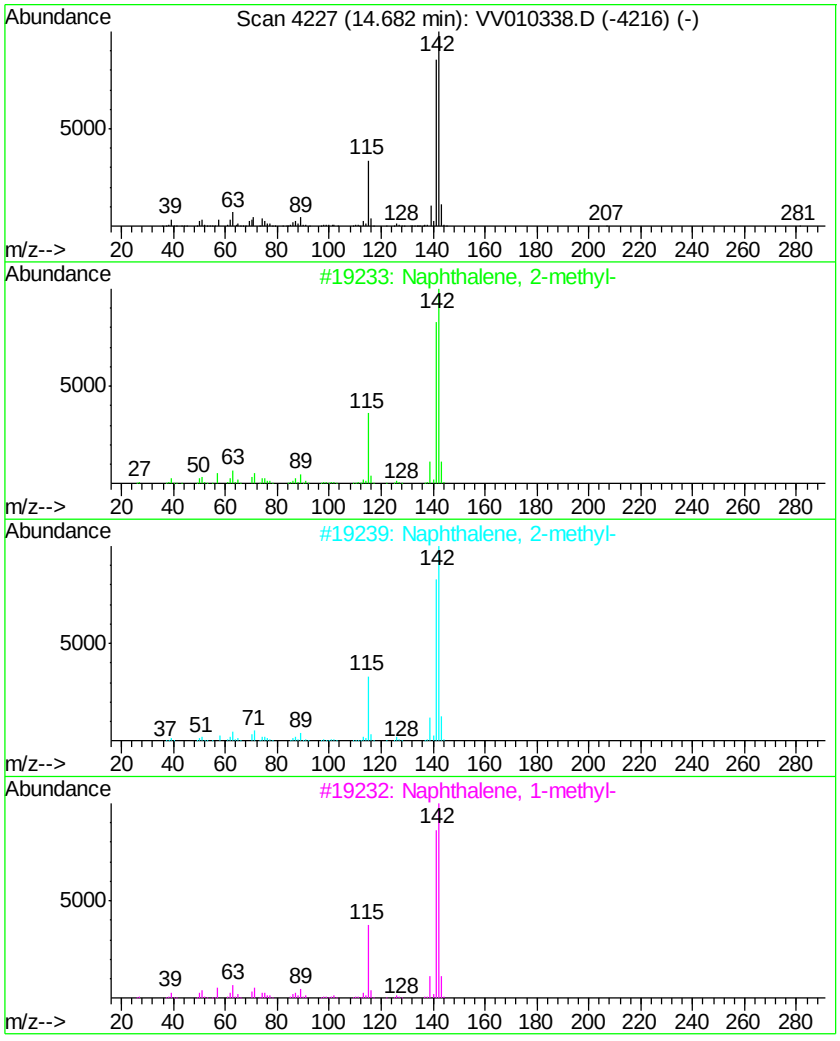
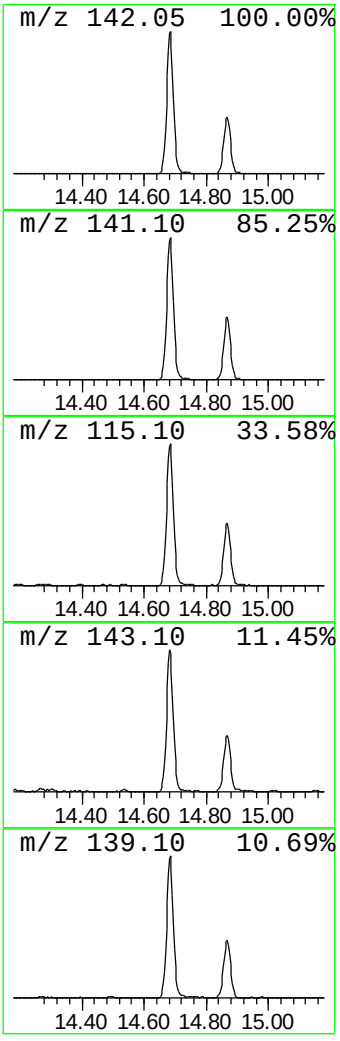
Peak Number 24 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	429.54 ug/L	1106920	1,4-Dichlorobenzene-d4	11.30

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041619\
Data File : VV010338.D
Acq On : 16 Apr 2019 17:43
Operator : SY/MD
Sample : K2402-11
Misc : 5.02G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAHJ1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.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-...	10.49	26.4	ug/L	68127	3	11.30	64424	25.0
Benzene, 1,2,4-tr...	10.58	12.2	ug/L	31368	3	11.30	64424	25.0
Benzene, 1,2,3-tr...	10.79	5.6	ug/L	14324	3	11.30	64424	25.0
Mesitylene	10.96	55.5	ug/L	143093	3	11.30	64424	25.0
Benzene, 1-etheny...	11.03	68.1	ug/L	175510	3	11.30	64424	25.0
Benzene, 1-ethyl-...	11.38	27.2	ug/L	70033	3	11.30	64424	25.0
Benzene, 2-propenyl-	11.44	12.3	ug/L	31581	3	11.30	64424	25.0
(Z)-1-Phenylpropene	11.58	12.8	ug/L	32972	3	11.30	64424	25.0
Indene	11.79	283.4	ug/L	730372	3	11.30	64424	25.0
o-Cymene	11.96	5.2	ug/L	13474	3	11.30	64424	25.0
Benzene, 1-methyl...	12.04	7.4	ug/L	19052	3	11.30	64424	25.0
Benzene, 1-methyl...	12.30	12.4	ug/L	32013	3	11.30	64424	25.0
Benzene, 1-ethyl-...	12.46	9.6	ug/L	24757	3	11.30	64424	25.0
Benzene, 1,2,3,4-...	12.51	30.4	ug/L	78206	3	11.30	64424	25.0
Benzene, (1-methy...	12.64	27.6	ug/L	71219	3	11.30	64424	25.0
Benzene, 2-etheny...	12.77	9.2	ug/L	23772	3	11.30	64424	25.0
Benzene, 1,2,4,5-...	12.93	30.1	ug/L	77542	3	11.30	64424	25.0
2-Methylindene	12.99	125.6	ug/L	323571	3	11.30	64424	25.0
(1-Methylbuta-1,3...	14.14	12.9	ug/L	33210	3	11.30	64424	25.0
Naphthalene, 1-me...	14.68	429.5	ug/L	1106920	3	11.30	64424	25.0