LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

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\SOM2VLM050719S.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	1.312	62	69	78	rVB	36957	36416	0.13%	0.051%
2	1.576	144	151	161	rVB	29528	35165	0.13%	0.049%
3	2.042	291	296	304	rVB5	1279	1740	0.01%	0.002%
4	2.119	309	320	333	rVV	51454	75486	0.27%	0.105%
5	2.264	360	365	368	rBV	313	343	0.00%	0.000%
6	2.302	371	377	388	rVB3	929	1835	0.01%	0.003%
7	2.531	436	448	459	rBV	12059	20224	0.07%	0.028%
8	2.647	482	484	488	rBV2	185	156	0.00%	0.000%
9	2.904	562	564	571	rVB	270	249	0.00%	0.000%
10	2.942	571	576	579	rBV2	364	418	0.00%	0.001%
11	3.019	596	600	603	rBV	264	193	0.00%	0.000%
12	3.106	621	627	634	rBV2	233	392	0.00%	0.001%
13	3.135	634	636	638	rBV	174	98	0.00%	0.000%
14	3.151	638	641	643	rBV	177	123	0.00%	0.000%
15	3.280	678	681	685	rVB2	150	127	0.00%	0.000%
16	3.364	703	707	710	rBV2	171	150	0.00%	0.000%
17	3.396	714	717	720	rBV2	172	109	0.00%	0.000%
18	3.425	723	726	729	rBV	148	131	0.00%	0.000%
19	3.460	734	737	739	rVB	186	104	0.00%	0.000%
20	3.888	867	870	873	rBV2	179	131	0.00%	0.000%
21	3.929	873	883	911	rBV2	5025	13672	0.05%	0.019%
22	4.097	931	935	939	rBV2	281	178	0.00%	0.000%
23	4.180	957	961	965	rBV2	167	141	0.00%	0.000%
24	4.267	982	988	990	rBV2	161	190	0.00%	0.000%
25	4.392	1009	1027	1045	rBV2	37269	96981	0.35%	0.135%
26	4.531	1068	1070	1074	rBV	193	109	0.00%	0.000%
27	4.579	1082	1085	1090	rVB	306	140	0.00%	0.000%
28	5.023	1221	1223	1226	rBV	144	100	0.00%	0.000%
29	5.090	1227	1244	1264	rBV2	91473	223819	0.80%	0.311%
30	5.296	1305	1308	1310	rBV	250	159	0.00%	0.000%
31	5.389	1334	1337	1340	rBV2	153	105	0.00%	0.000%
32	5.402	1340	1341	1344	rVB2	269	121	0.00%	0.000%
33	5.431	1344	1350	1351	rBV	246	189	0.00%	0.000%
34	5.550	1384	1387	1392	rVB2	203	156	0.00%	0.000%

LSC Area Percent Report

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Instrument : MSVOA_V
ClientSampleId : GAJA2RE

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\SOM2VLM050719S.M
Title : VOC Analysis

35	5.608	1401	1405	1407	rBV2	161	100	0.00%	0.000%
36	5.659	1407	1421	1437	rBV	75361	148991	0.53%	0.207%
37	5.836	1474	1476	1479	rVB	274	115	0.00%	0.000%
38	5.894	1489	1494	1498	rBV2	215	260	0.00%	0.000%
39	5.939	1506	1508	1509	rBV	342	126	0.00%	0.000%
40	6.113	1548	1562	1580	rBV2	51914	105085	0.38%	0.146%
41	6.193	1584	1587	1590	rVB	152	101	0.00%	0.000%
42	6.769	1761	1766	1768	rBV	171	173	0.00%	0.000%
43	6.810	1777	1779	1783	rVB2	305	181	0.00%	0.000%
44	6.971	1826	1829	1836	rBV2	208	215	0.00%	0.000%
45	7.026	1836	1846	1860	rBV	23461	42979	0.15%	0.060%
46	7.170	1888	1891	1894	rVB	260	172	0.00%	0.000%
47	7.273	1920	1923	1926	rVB	167	114	0.00%	0.000%
48	7.357	1936	1949	1964	rBV2	93523	165999	0.60%	0.231%
49	7.550	2007	2009	2012	rBV	215	137	0.00%	0.000%
50	7.579	2016	2018	2020	rVB	340	115	0.00%	0.000%
51	7.601	2020	2025	2027	rBV	167	201	0.00%	0.000%
52	7.659	2035	2043	2057	rVB3	13206	21577	0.08%	0.030%
53	7.765	2075	2076	2078	rBV	341	172	0.00%	0.000%
54	7.817	2090	2092	2095	rBV	156	107	0.00%	0.000%
55	7.971	2133	2140	2145	rBV2	407	588	0.00%	0.001%
56	8.132	2180	2190	2217	rBV2	16453	32127	0.12%	0.045%
57	8.389	2267	2270	2274	rVB2	183	130	0.00%	0.000%
58	8.424	2279	2281	2283	rBV2	196	104	0.00%	0.000%
59	8.717	2369	2372	2373	rBV	185	102	0.00%	0.000%
60	8.752	2380	2383	2386	rVB	200	100	0.00%	0.000%
61	8.894	2416	2427	2447	rBV	95460	160782	0.58%	0.224%
62	9.055	2473	2477	2482	rBV3	405	433	0.00%	0.001%
63	9.248	2534	2537	2540	rBV2	386	280	0.00%	0.000%
64	9.395	2581	2583	2587	rVB2	212	119	0.00%	0.000%
65	9.421	2588	2591	2594	rVB2	206	148	0.00%	0.000%
66	9.604	2639	2648	2662	rVB4	10390	18245	0.07%	0.025%
67	9.733	2686	2688	2692	rVB2	290	238	0.00%	0.000%
68	9.759	2692	2696	2698	rBV	341	297	0.00%	0.000%
69	9.813	2709	2713	2717	rBV2	258	239	0.00%	0.000%
70	9.920	2743	2746	2747	rBV	203	112	0.00%	0.000%
71	9.958	2754	2758	2759	rBV	560	322	0.00%	0.000%

LSC Area Percent Report

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Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

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\SOM2VLM050719S.M
Title : VOC Analysis

72	10.096	2799	2801	2804	rVB	380	176	0.00%	0.000%
73	10.122	2804	2809	2813	rBV3	375	365	0.00%	0.001%
74	10.206	2832	2835	2837	rVB	190	107	0.00%	0.000%
75	10.260	2841	2852	2867	rVB	31721	51920	0.19%	0.072%
76	10.399	2885	2895	2900	rBV3	4841	7368	0.03%	0.010%
77	10.492	2914	2924	2938	rBV	34501	77870	0.28%	0.108%
78	10.582	2945	2952	2983	rVB	145733	235096	0.84%	0.327%
79	10.781	3005	3014	3020	rBV	41205	68630	0.25%	0.095%
80	10.958	3060	3069	3080	rVB	318068	464389	1.67%	0.646%
81	11.029	3081	3091	3099	rBV	332100	494284	1.77%	0.687%
82	11.292	3166	3173	3183	rVB2	81847	121862	0.44%	0.169%
83	11.379	3191	3200	3211	rBV	379005	562545	2.02%	0.782%
84	11.440	3212	3219	3232	rVB	106431	160549	0.58%	0.223%
85	11.575	3251	3261	3269	rBV3	137220	265967	0.95%	0.370%
86	11.791	3320	3328	3337	rBV	390047	560875	2.01%	0.780%
87	11.961	3372	3381	3382	rBV2	142270	175509	0.63%	0.244%
88	12.038	3397	3405	3407	rBV	208077	270612	0.97%	0.376%
89	12.514	3544	3553	3565	rBV2	865613	1579740	5.67%	2.197%
90	12.636	3584	3591	3602	rBV2	638966	1063406	3.81%	1.479%
91	12.929	3675	3682	3692	rVB2	1260392	1829041	6.56%	2.543%
92	12.993	3695	3702	3713	rVB	1651707	2449407	8.79%	3.406%
93	13.103	3726	3736	3752	rVB	2461679	4035301	14.47%	5.611%
94	13.566	3866	3880	3894	rVB	15434776	27881651	100.00%	38.770%
95	14.688	4217	4229	4254	rVB	8972059	14302751	51.30%	19.888%
96	14.871	4274	4286	4301	rVB	5937595	9266913	33.24%	12.886%
97	15.411	4446	4454	4465	rVB	767490	1125717	4.04%	1.565%
98	15.717	4539	4549	4566	rBV	675140	1131658	4.06%	1.574%
99	15.861	4585	4594	4601	rBV	883128	1353606	4.85%	1.882%
100	16.324	4728	4738	4757	rVB	711245	1166996	4.19%	1.623%

Sum of corrected areas: 71915247

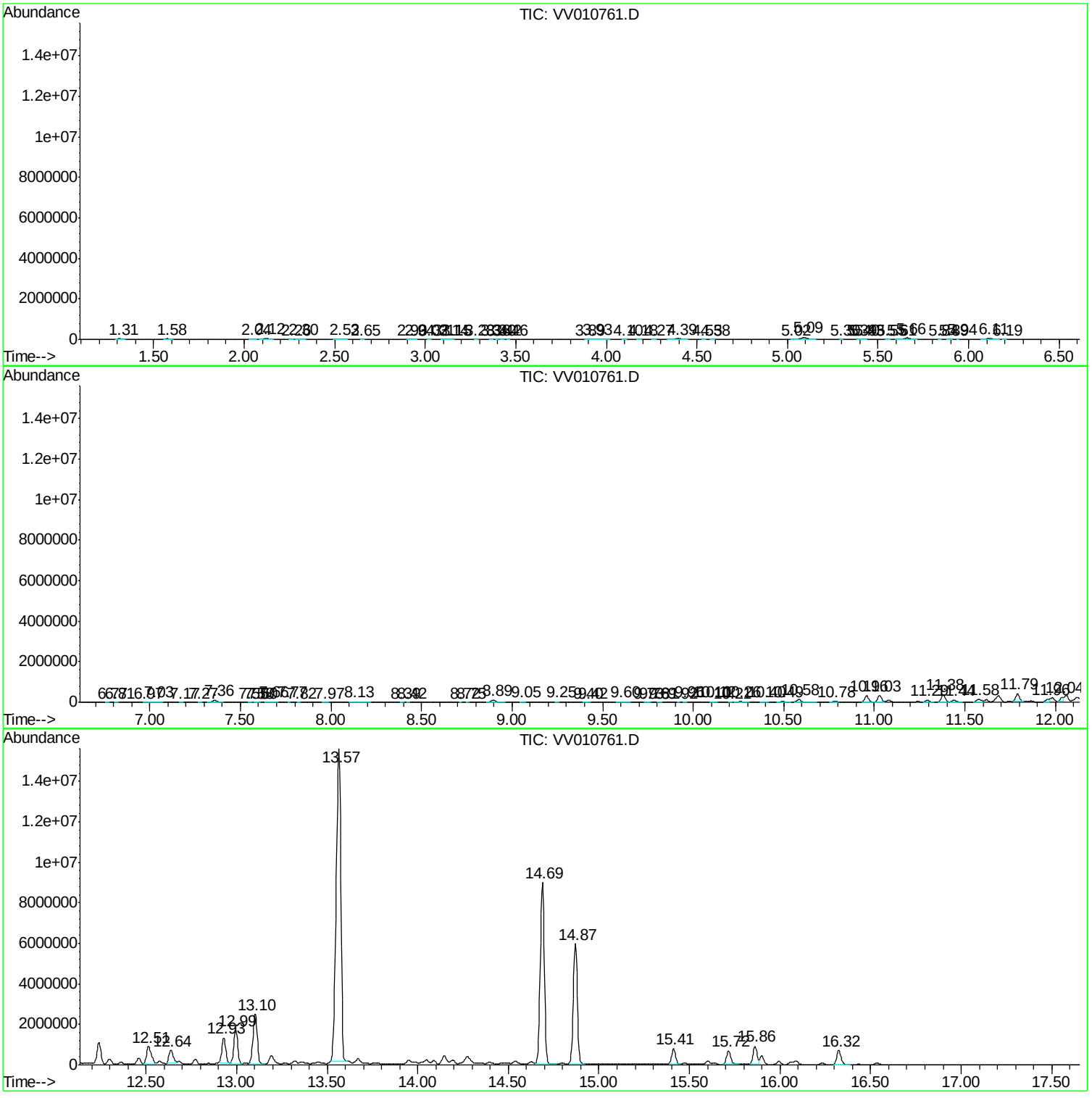
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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



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Instrument : MSVOA_V
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

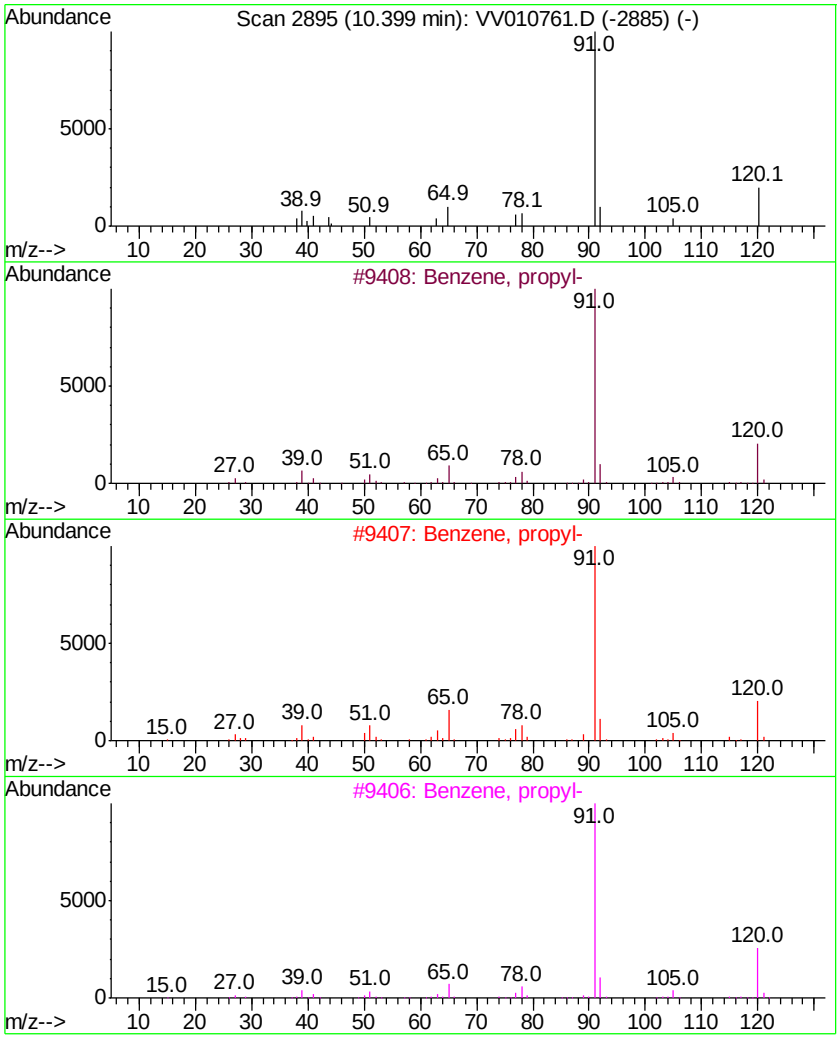
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

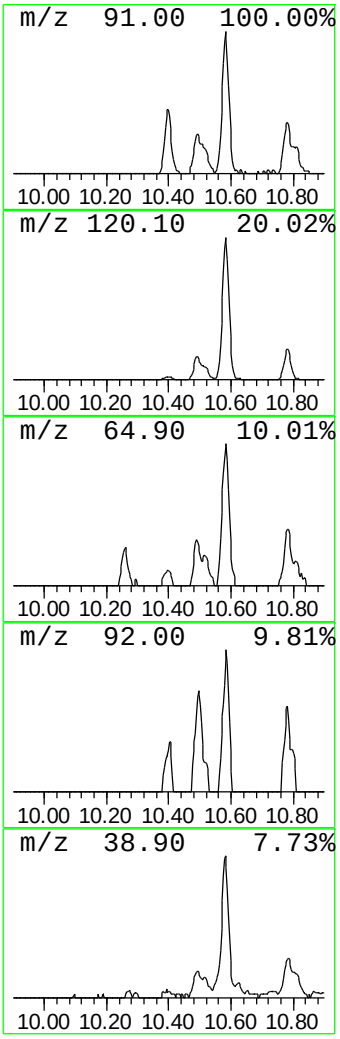
****

Peak Number 2 Benzene, propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	1.51 ug/L	7368	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	83
3	Benzene, propyl-	120	C9H12	000103-65-1	78
4	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	53
5	1,3,5-Cycloheptatriene, 7-ethyl-	120	C9H12	017634-51-4	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

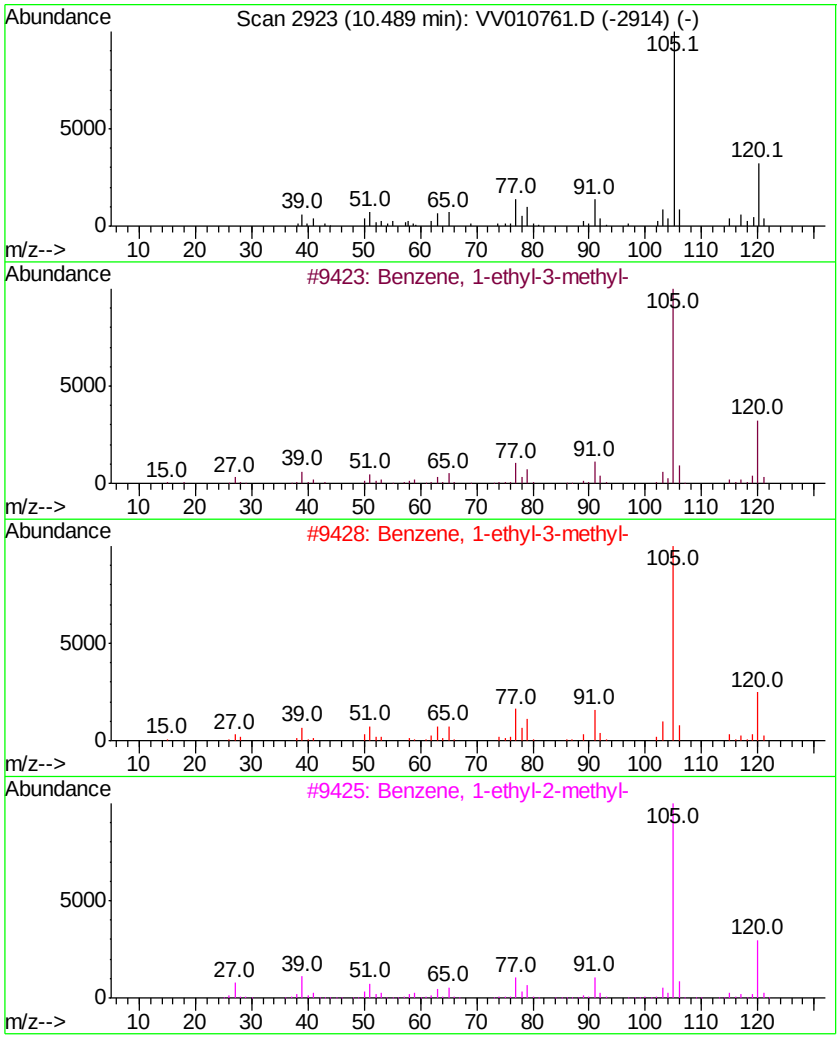
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

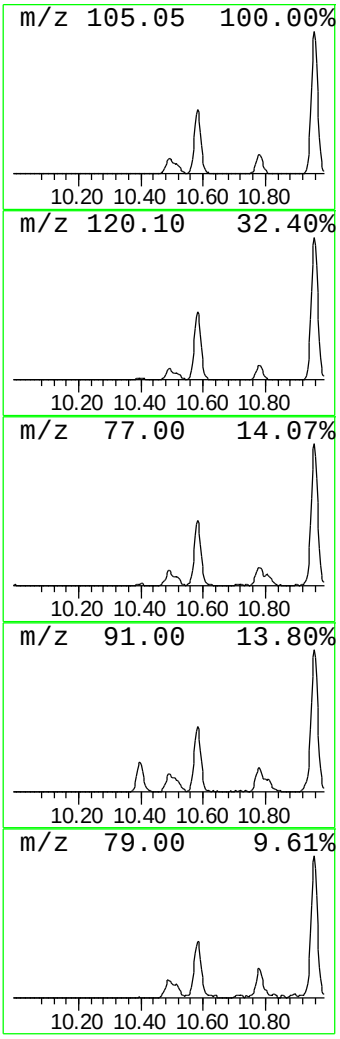
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	15.98 ug/L	77870	1,4-Dichlorobenzene-d4	11.29

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





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Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

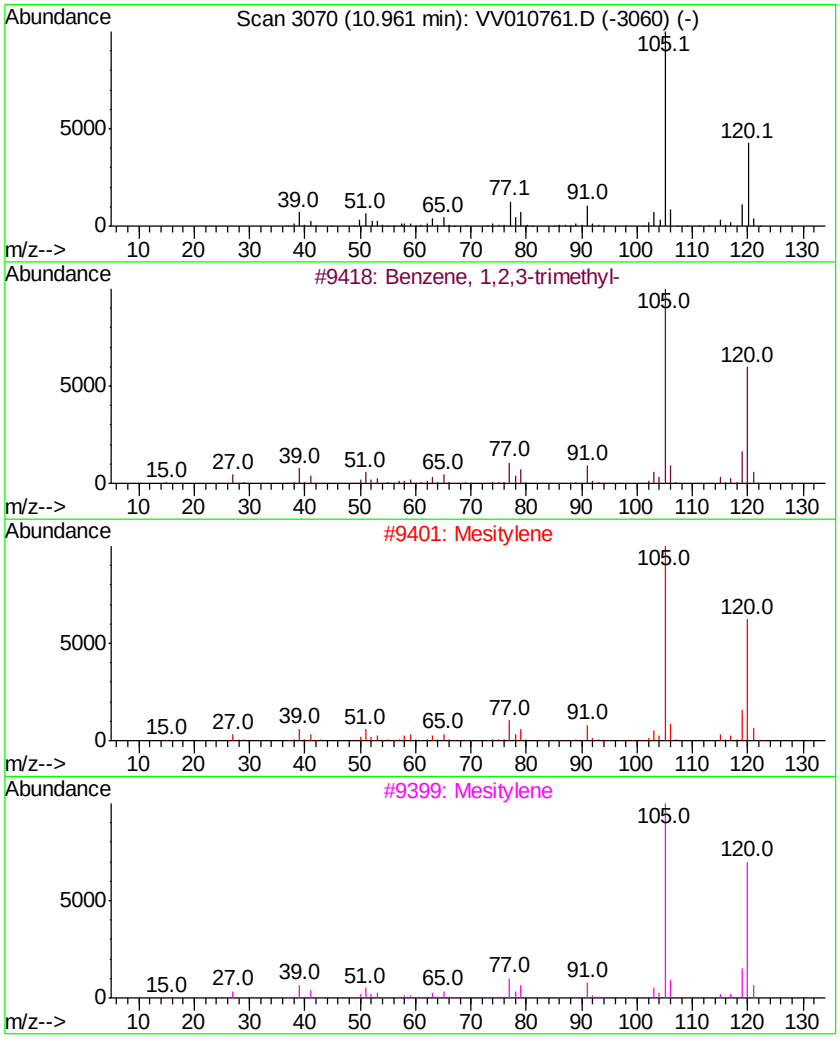
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

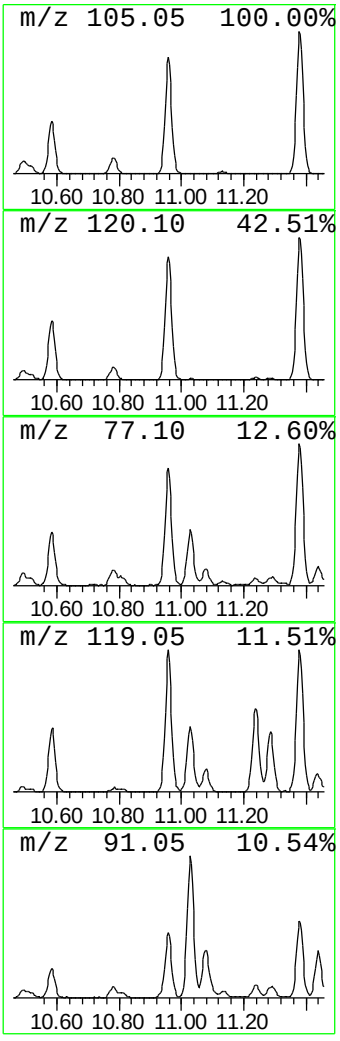
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	95.27 ug/L	464389	1,4-Dichlorobenzene-d4	11.29

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	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

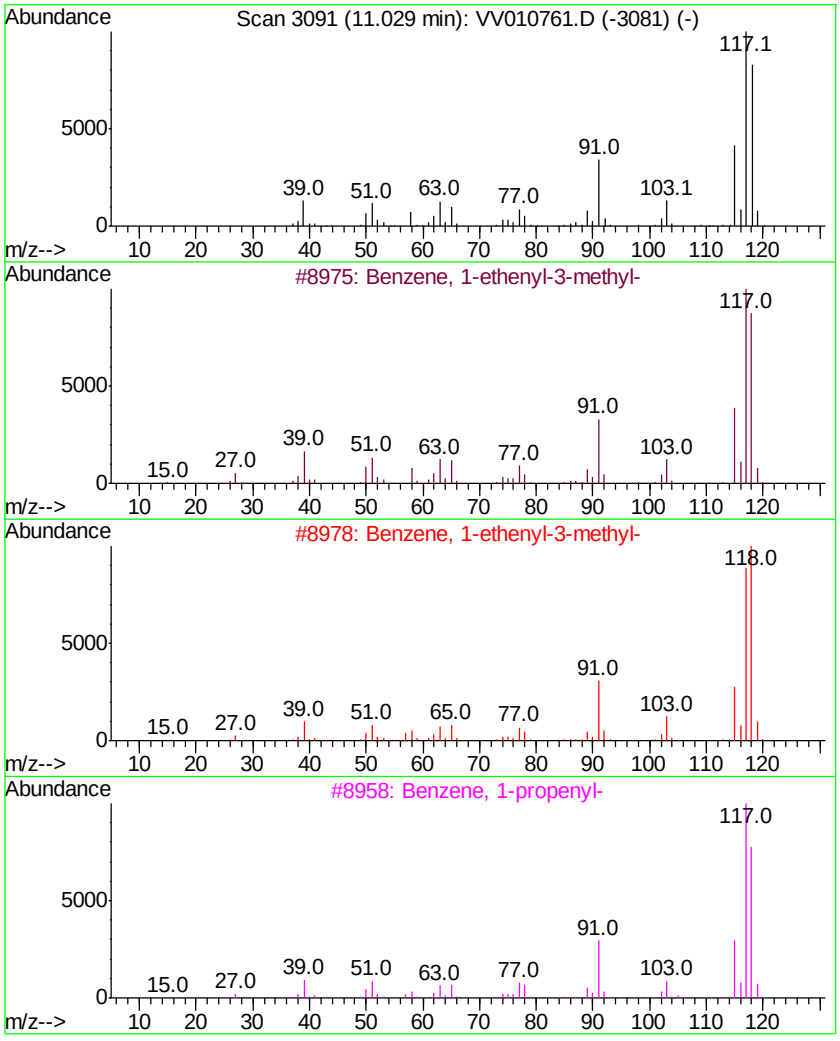
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

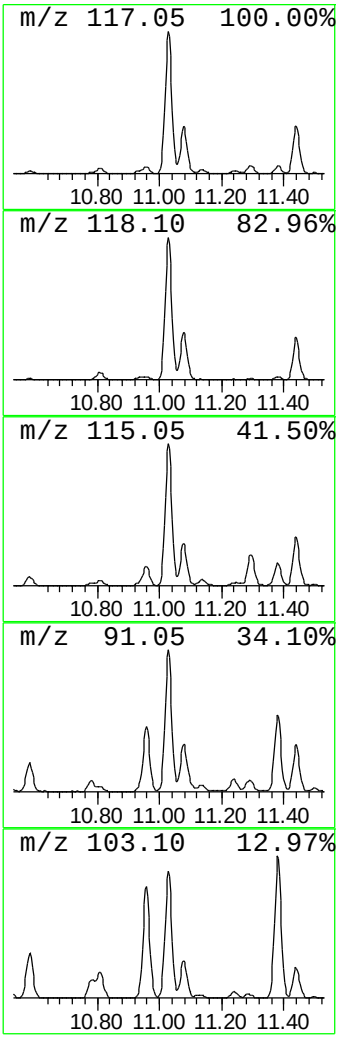
****

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	101.40 ug/L	494284	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-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

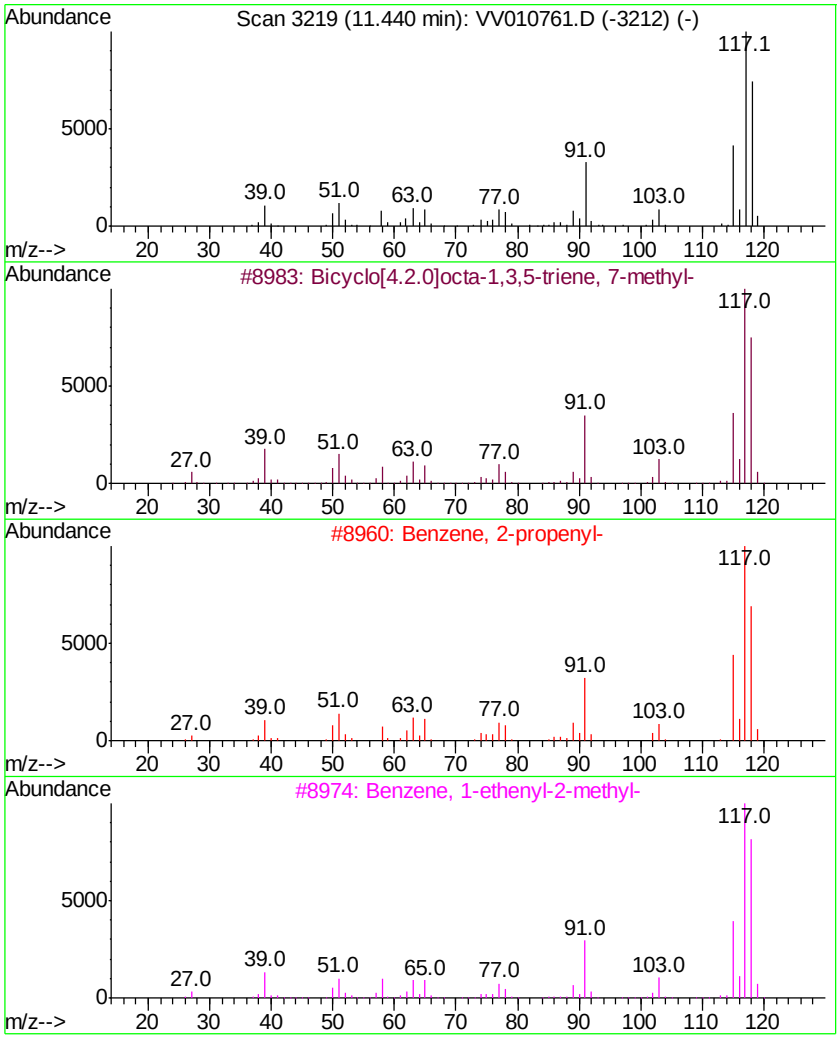
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

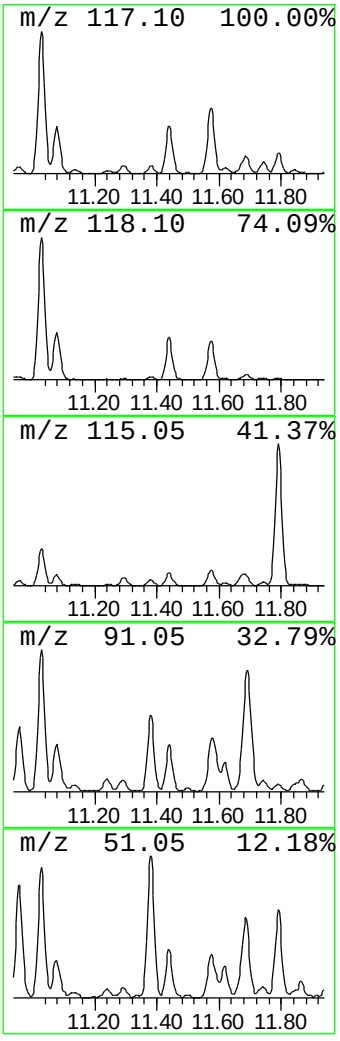
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	32.94 ug/L	160549	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	95
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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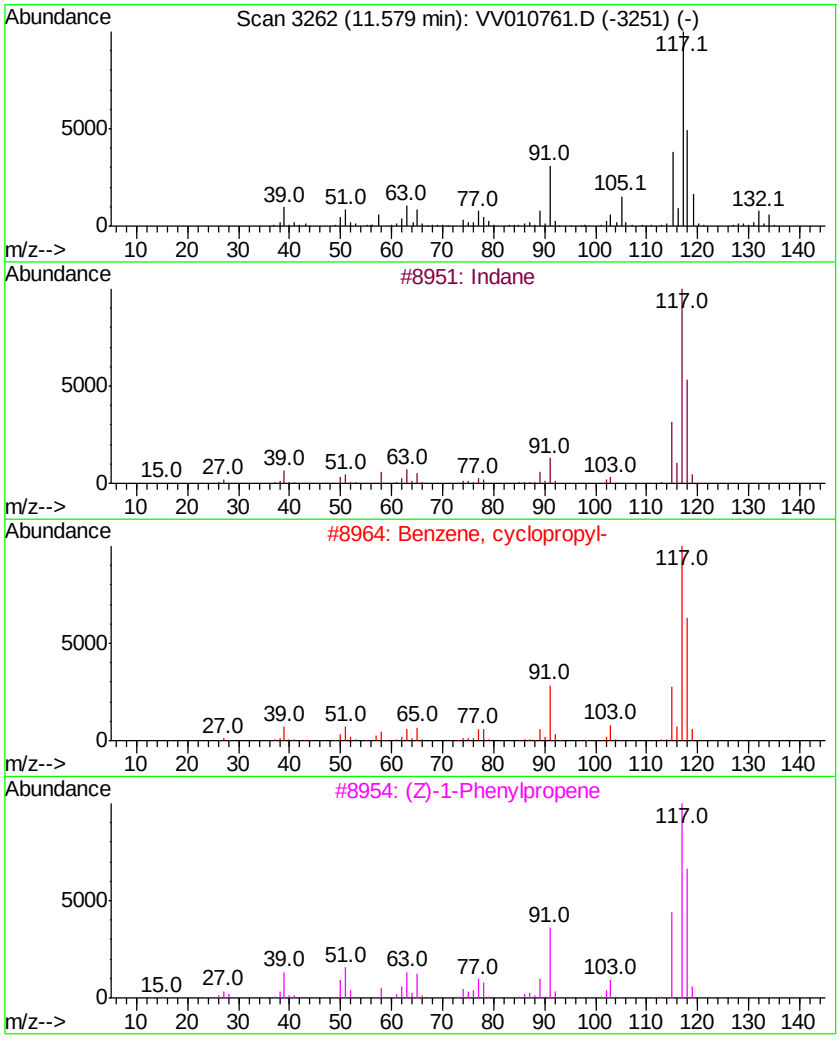
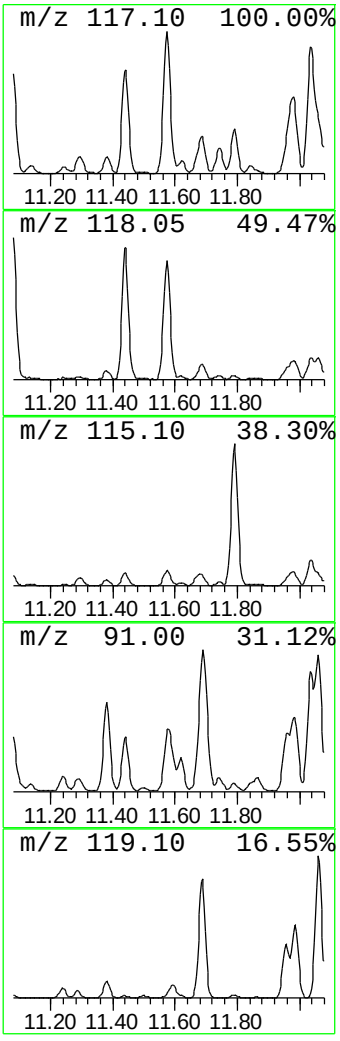
Peak Number 10 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	54.56 ug/L	265967	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	70
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

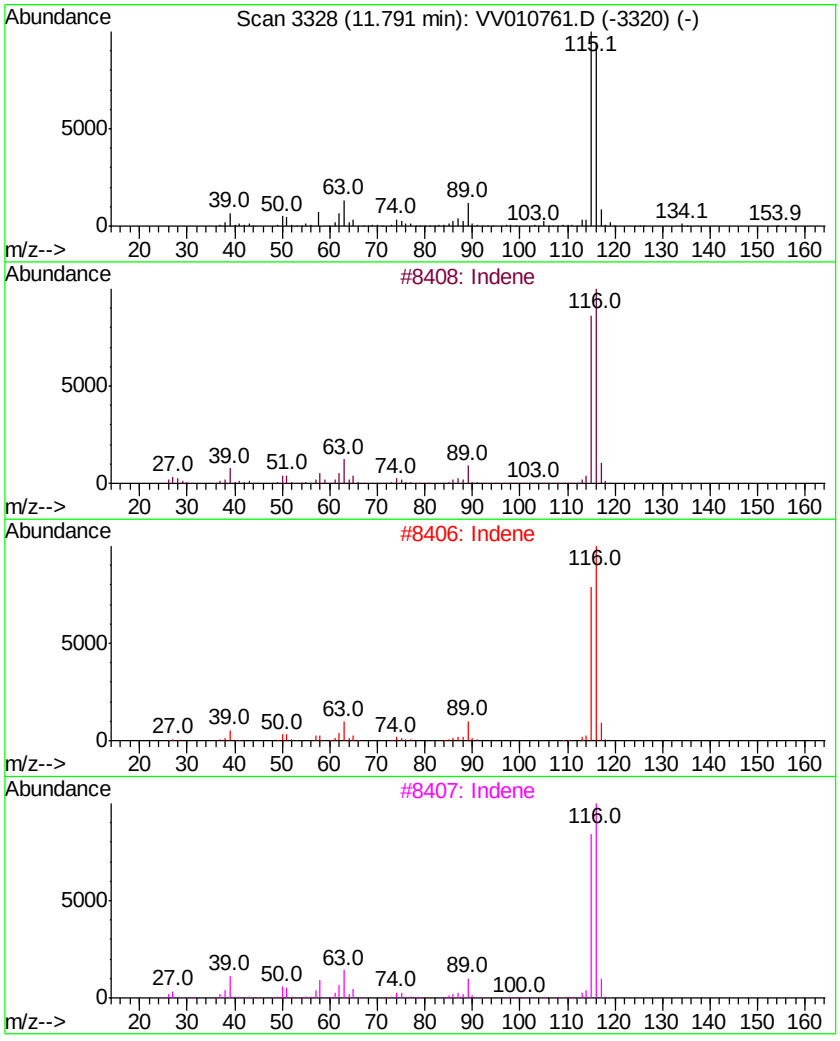
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

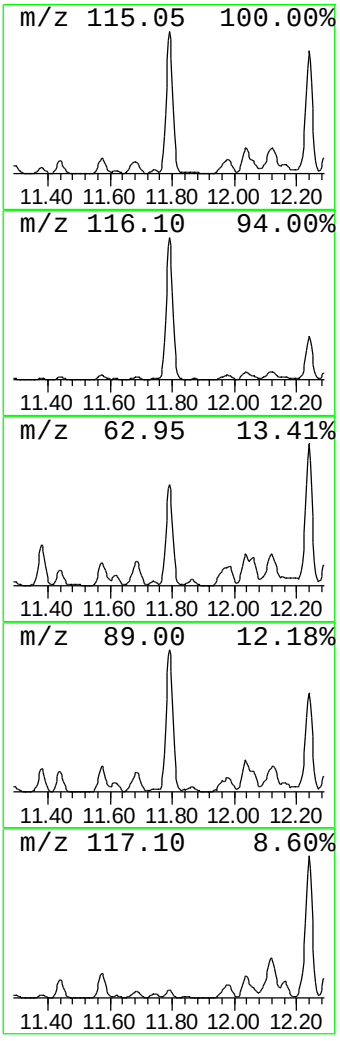
****

Peak Number 11 Indene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	115.06 ug/L	560875	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	94
3	Indene	116	C9H8	000095-13-6	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

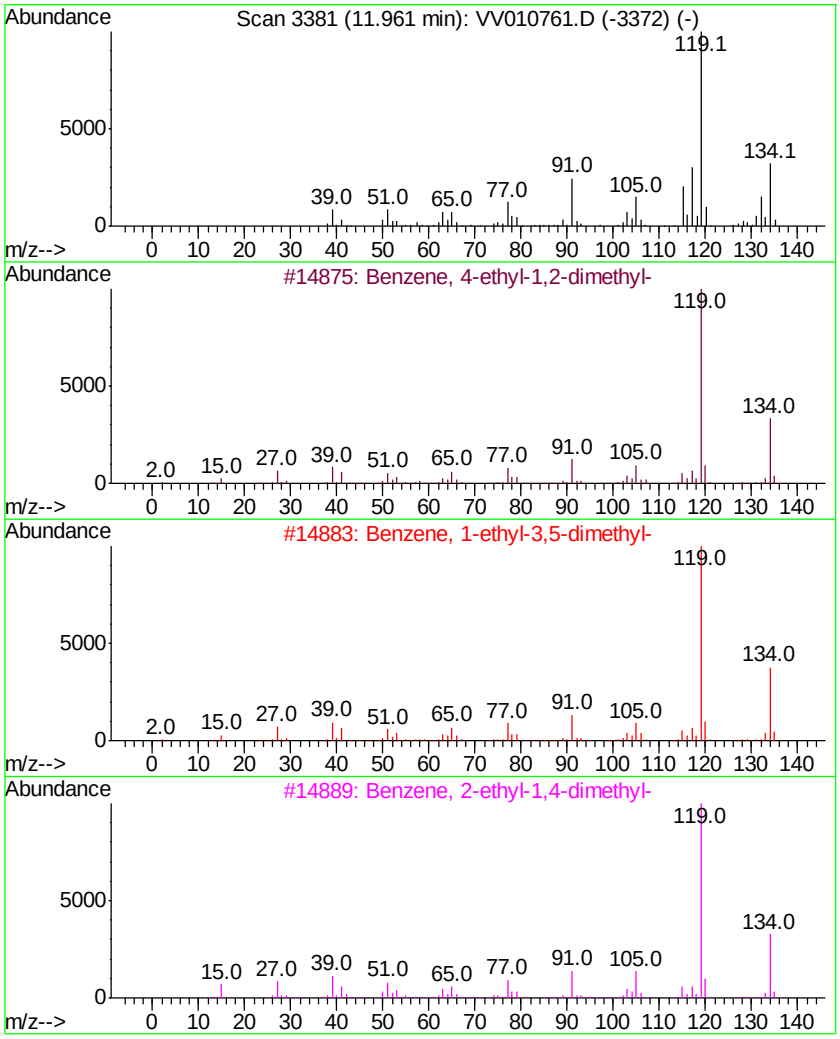
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

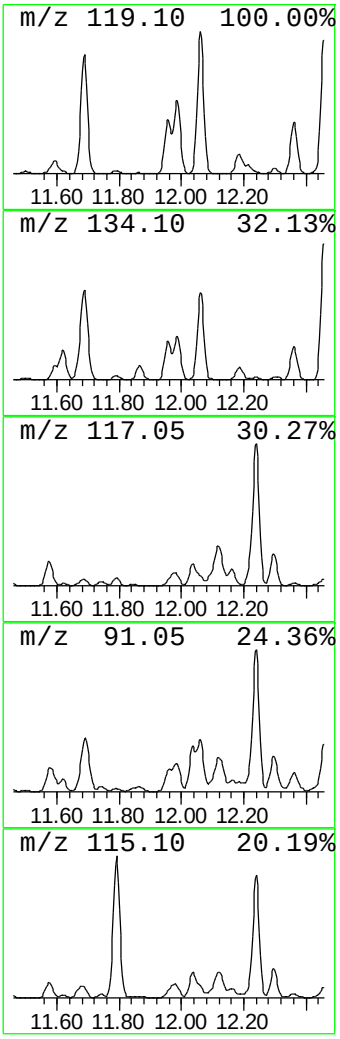
****

Peak Number 12 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	36.01 ug/L	175509	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	76
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	70





Library Search Compound Report

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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

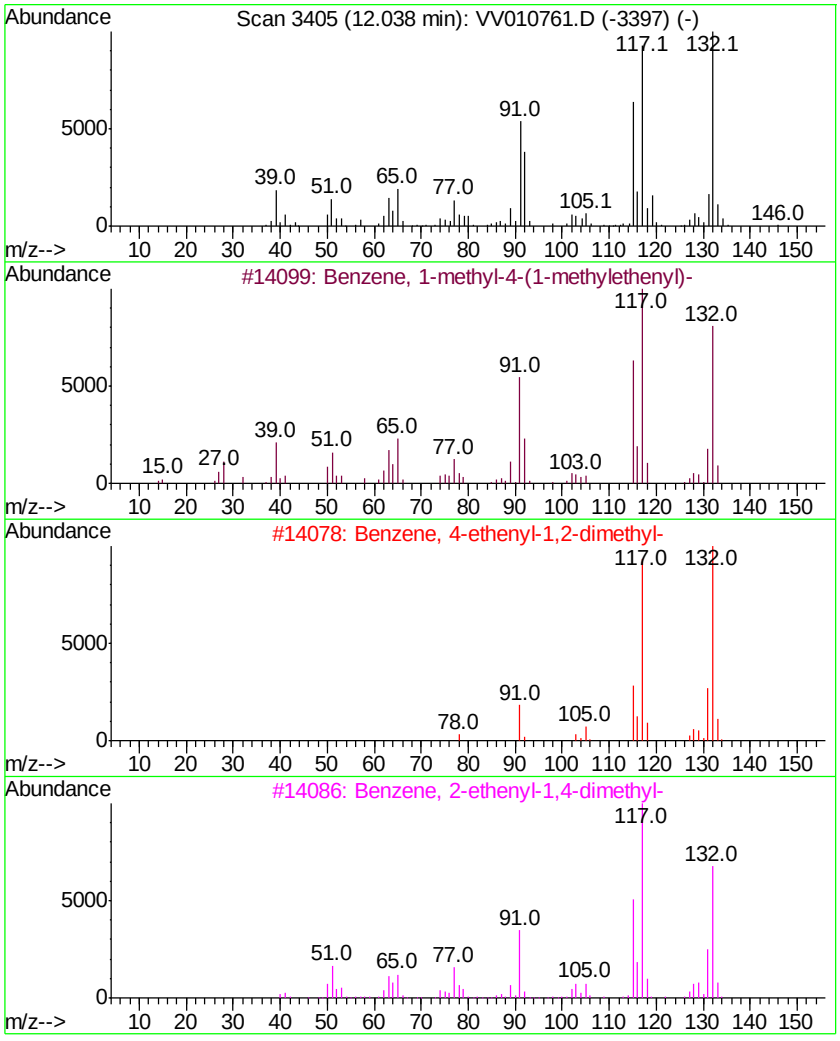
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

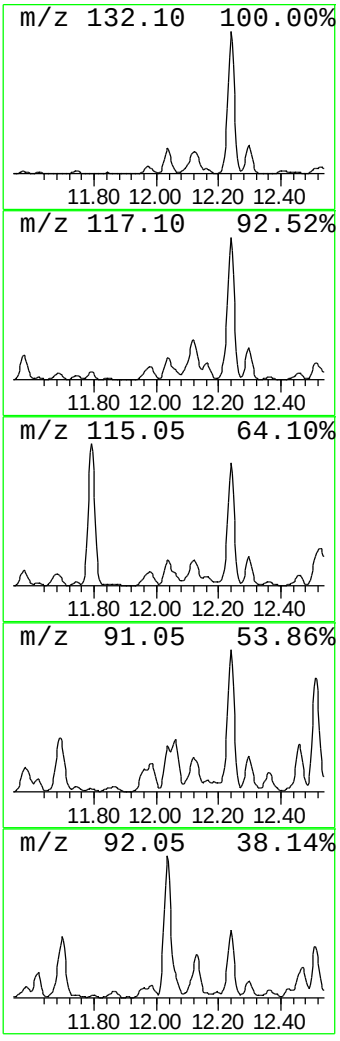
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	55.52 ug/L	270612	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	86
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	81
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	81
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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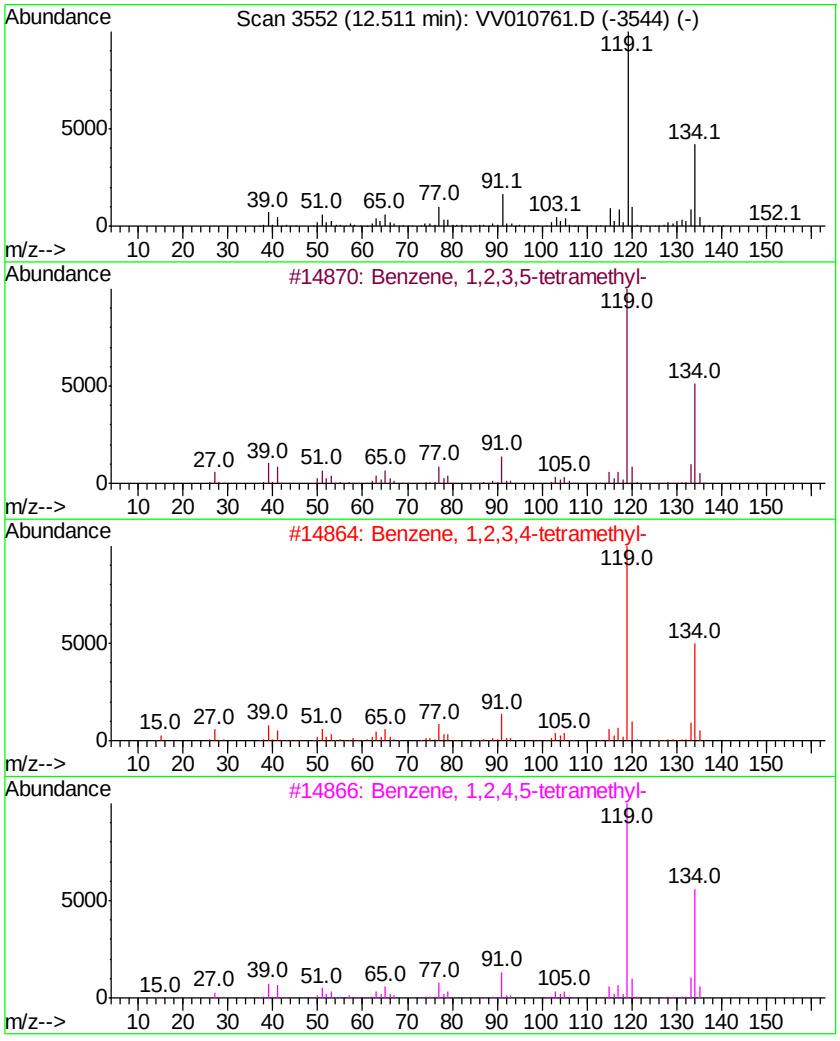
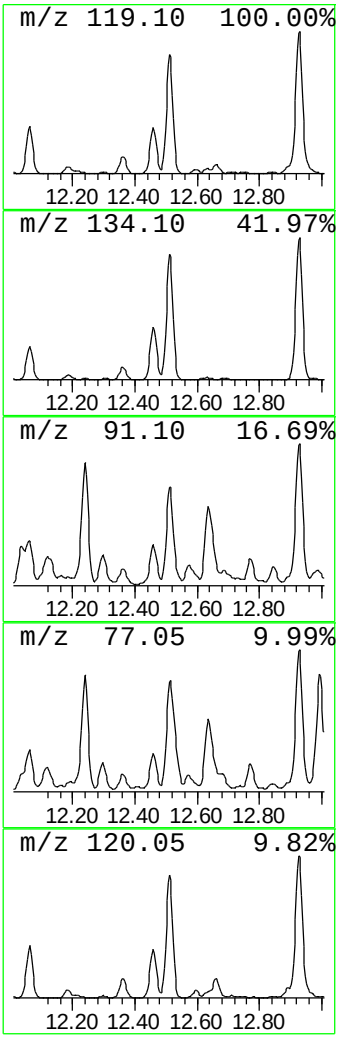
Peak Number 14 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	324.08 ug/L	1579740	1,4-Dichlorobenzene-d4	11.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
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Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

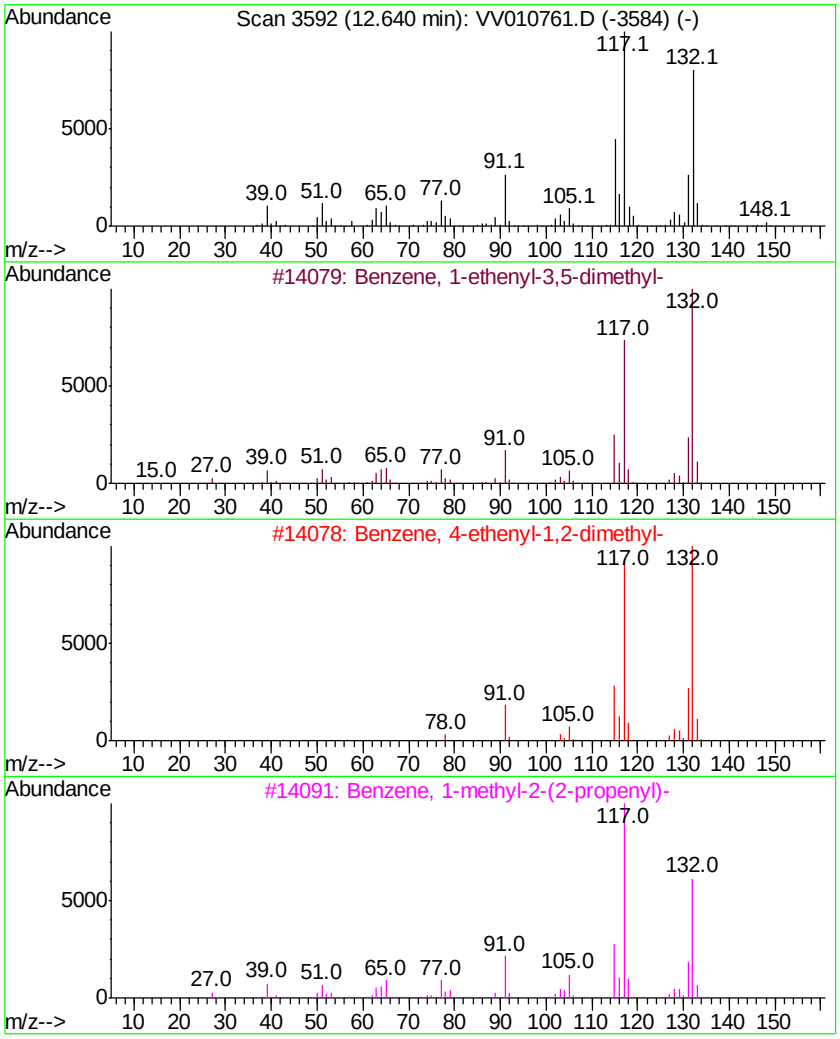
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

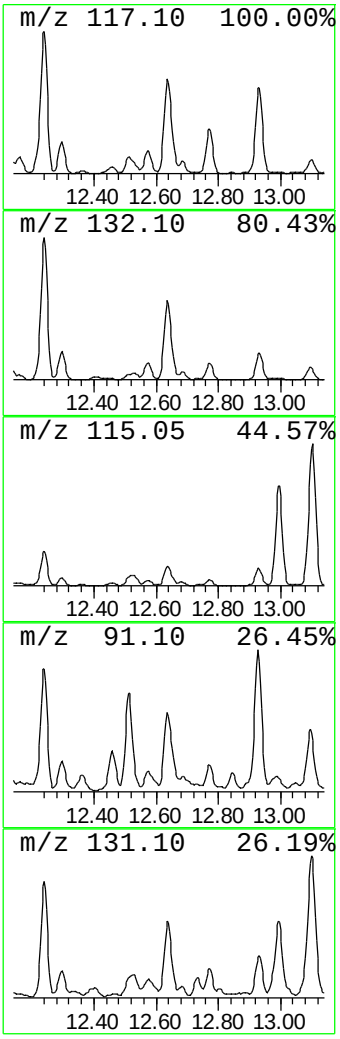
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	218.16 ug/L	1063410	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	97
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95





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Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

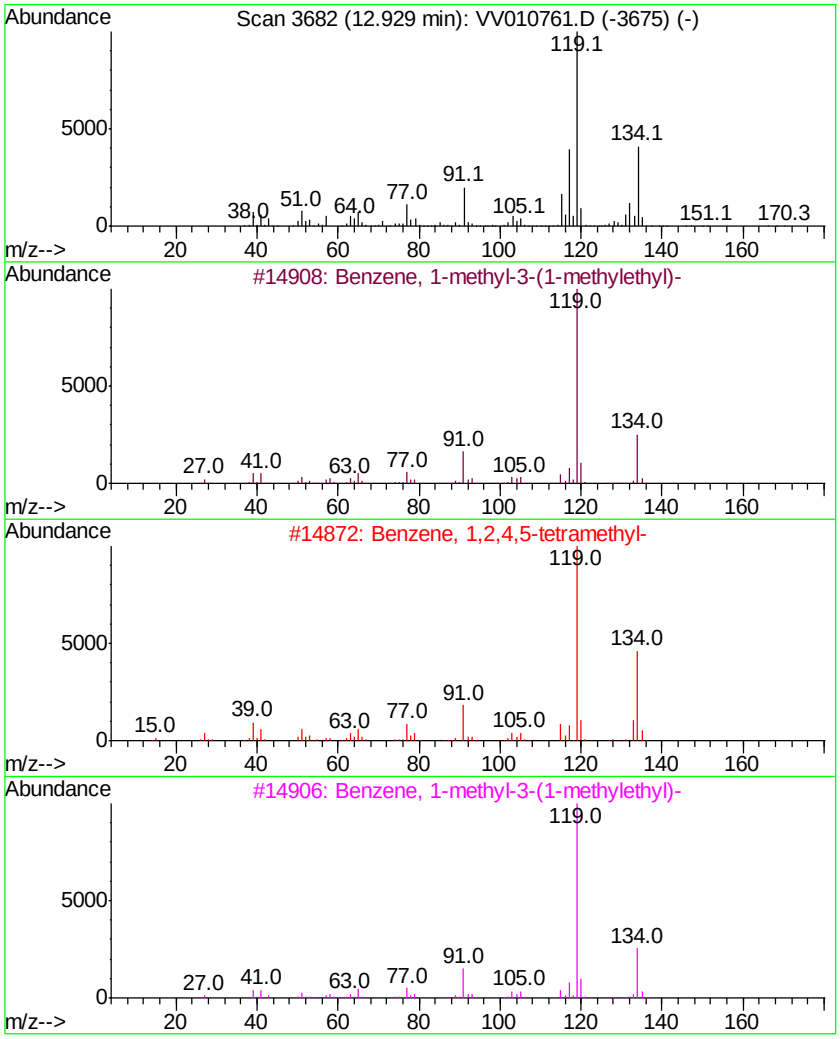
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

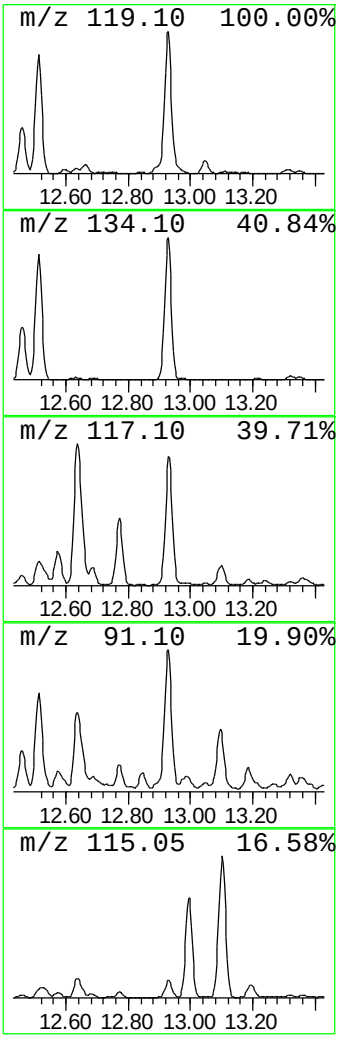
****

Peak Number 16 Benzene, 1-methyl-3-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	375.23 ug/L	1829040	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
4	o-Cymene	134	C10H14	000527-84-4	70
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70





Library Search Compound Report

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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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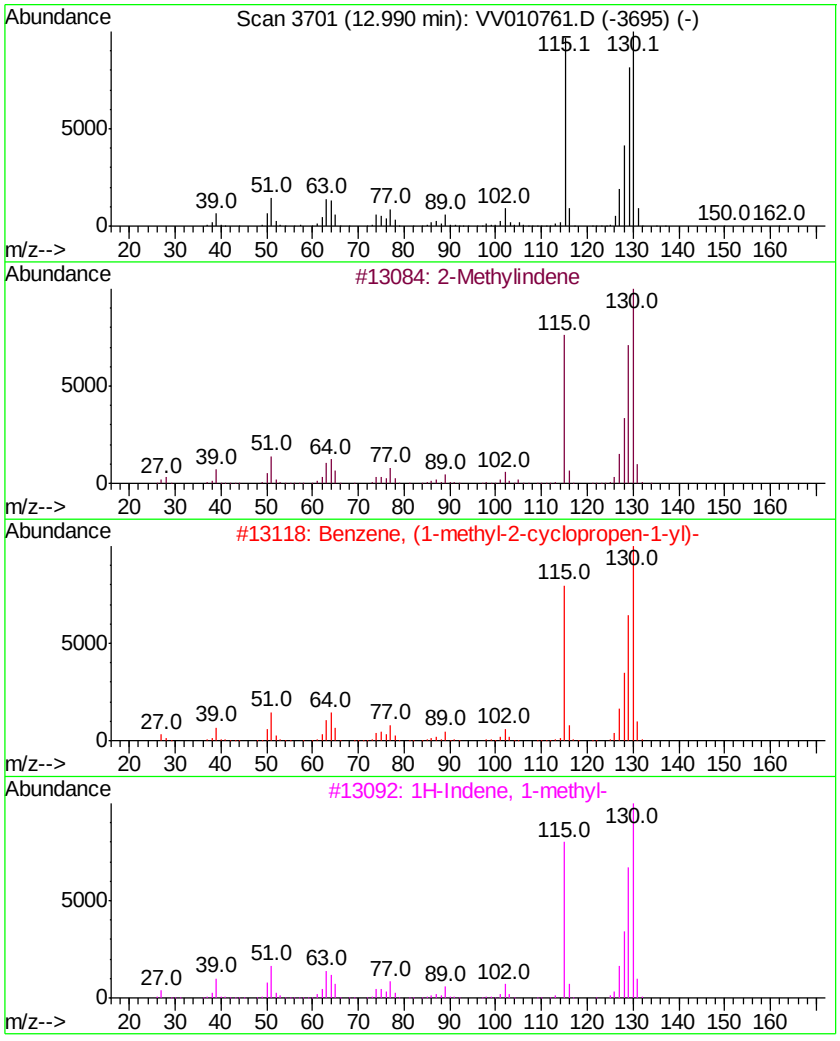
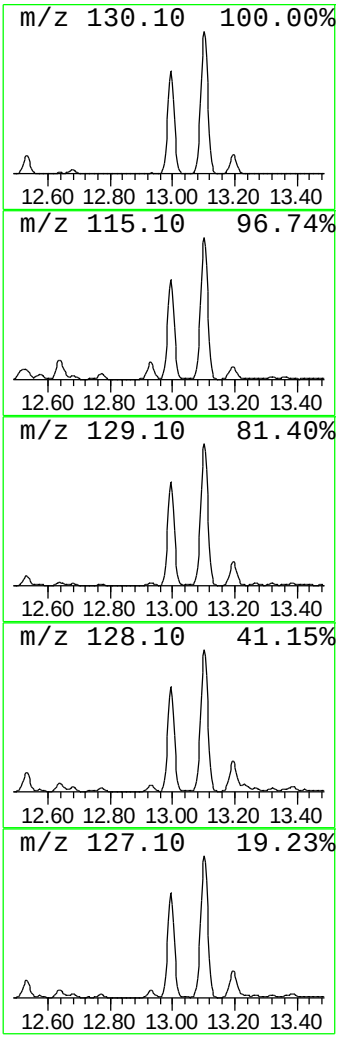
Peak Number 17 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	502.50 ug/L	2449410	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





Library Search Compound Report

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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

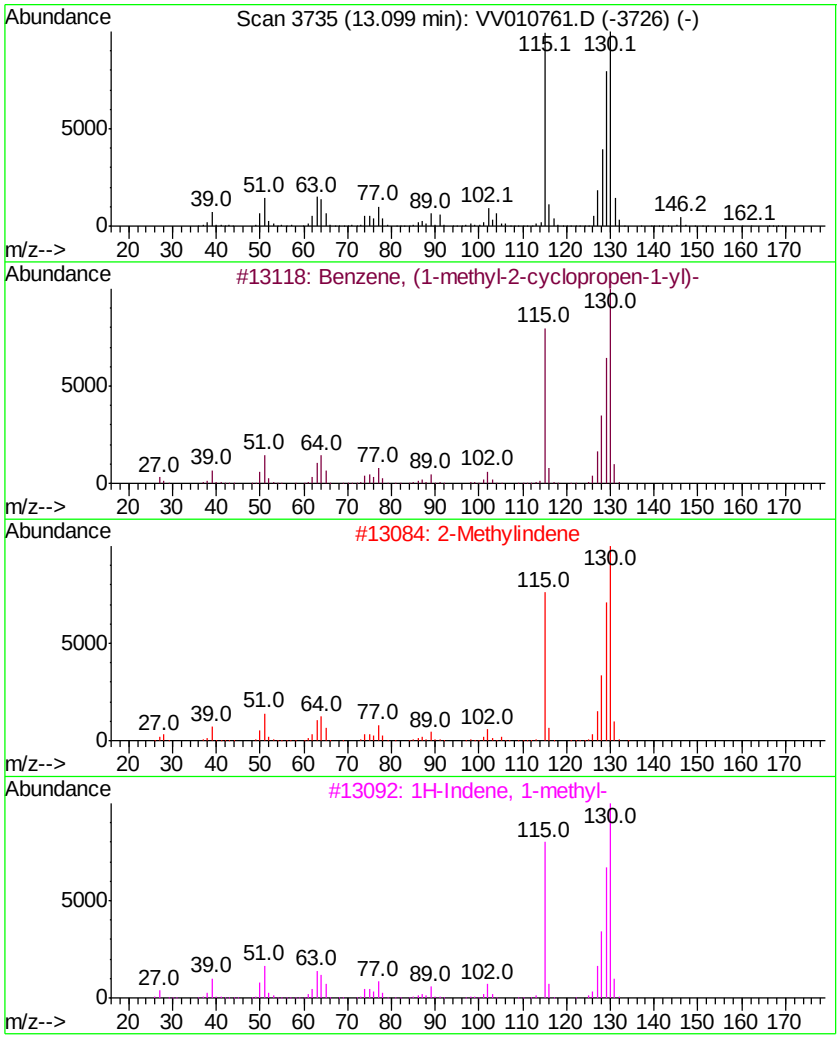
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

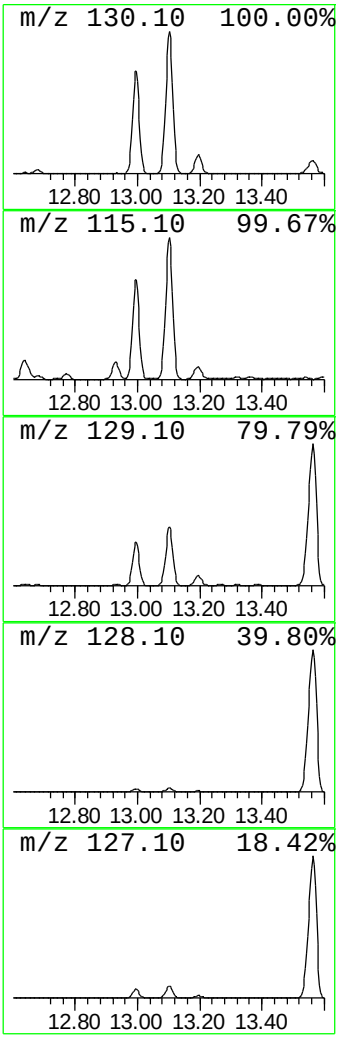
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, (1-methyl-2-cyclop... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	827.84 ug/L	4035300	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95





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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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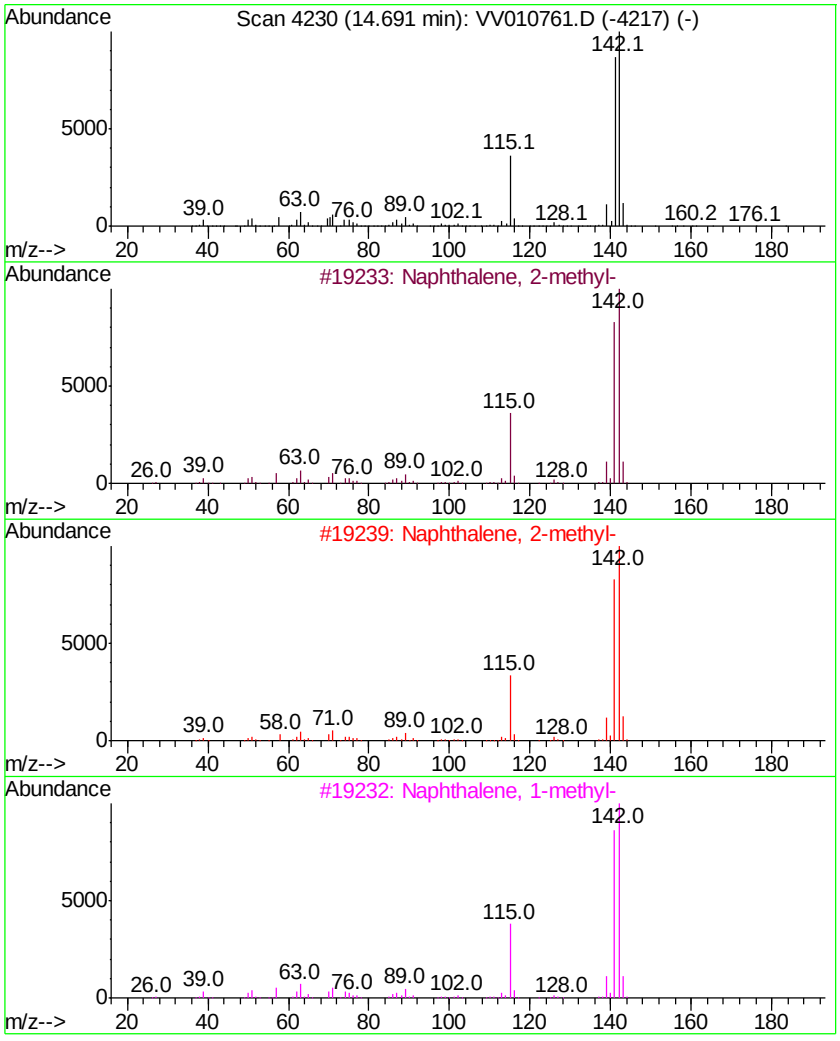
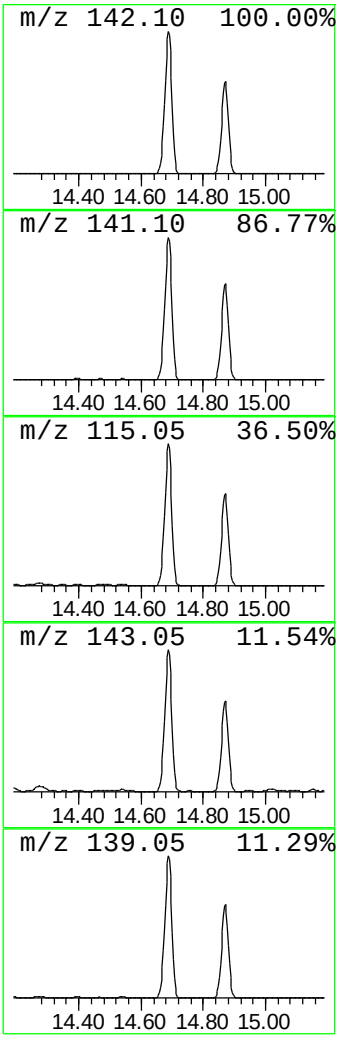
Peak Number 20 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2934.21 ug/L	14302800	1,4-Dichlorobenzene-d4	11.29

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

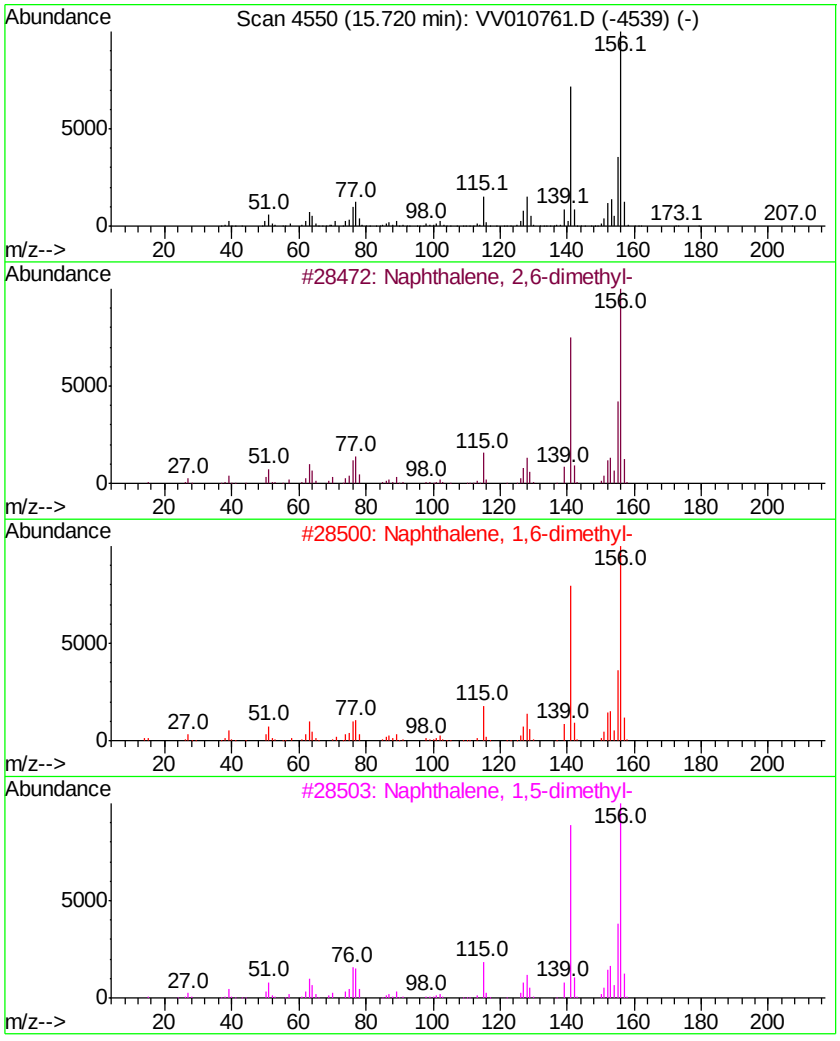
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

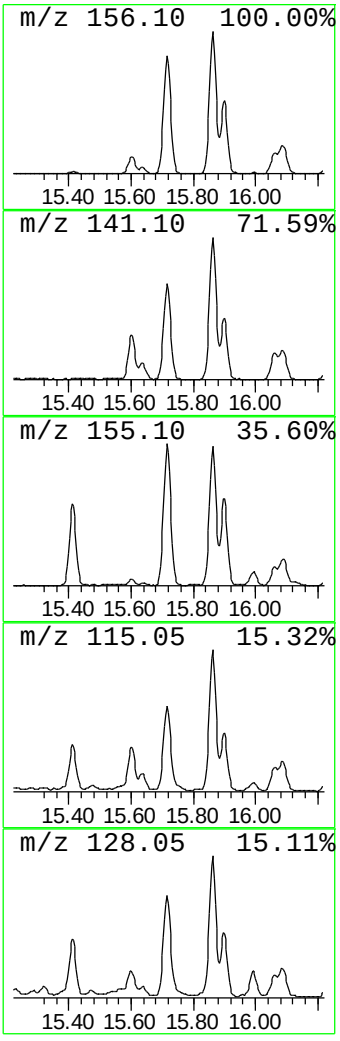
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	232.16 ug/L	1131660	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

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

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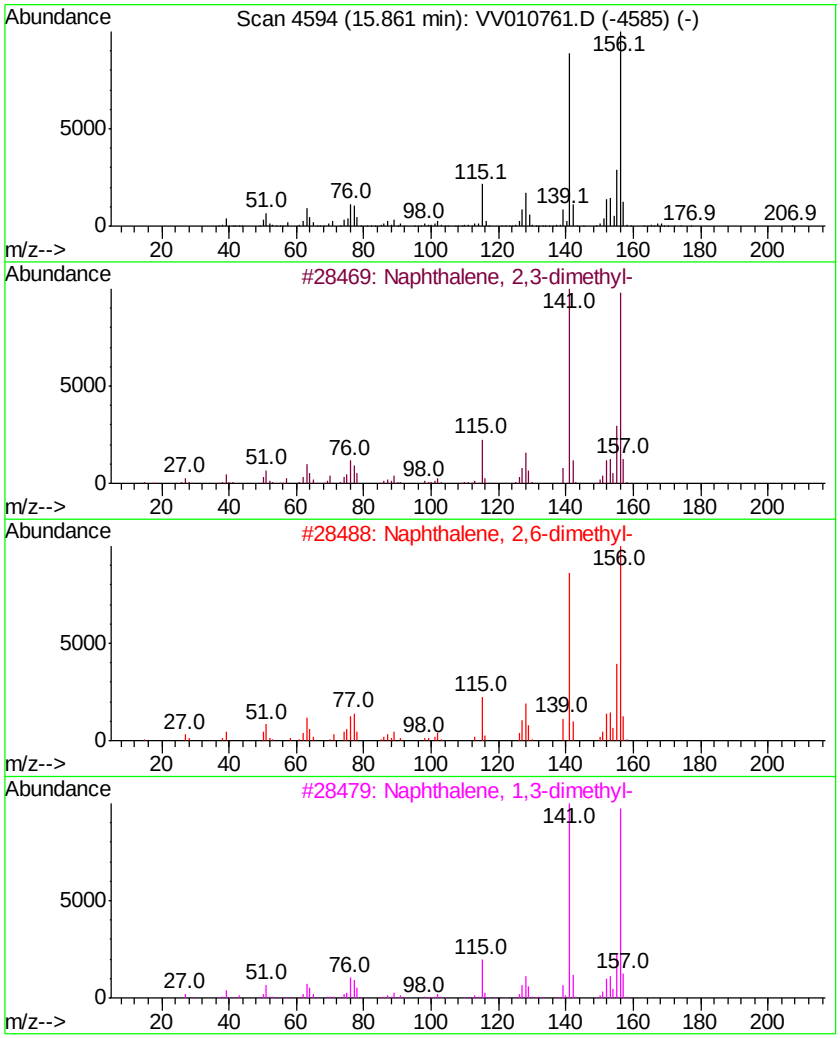
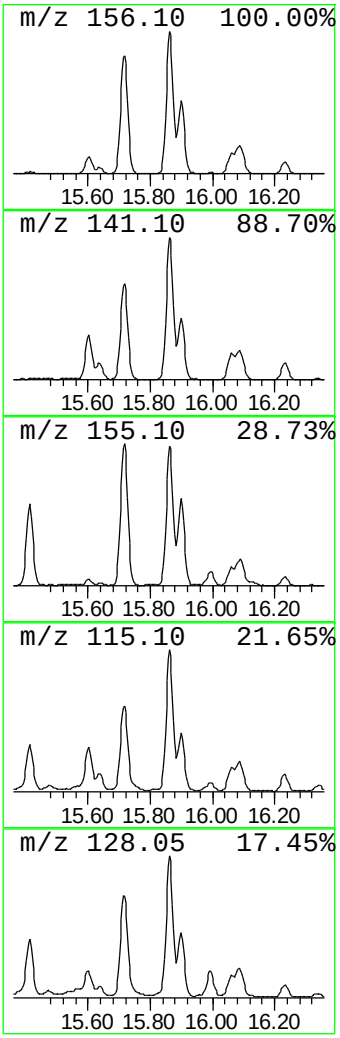
Peak Number 24 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	277.69 ug/L	1353610	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis

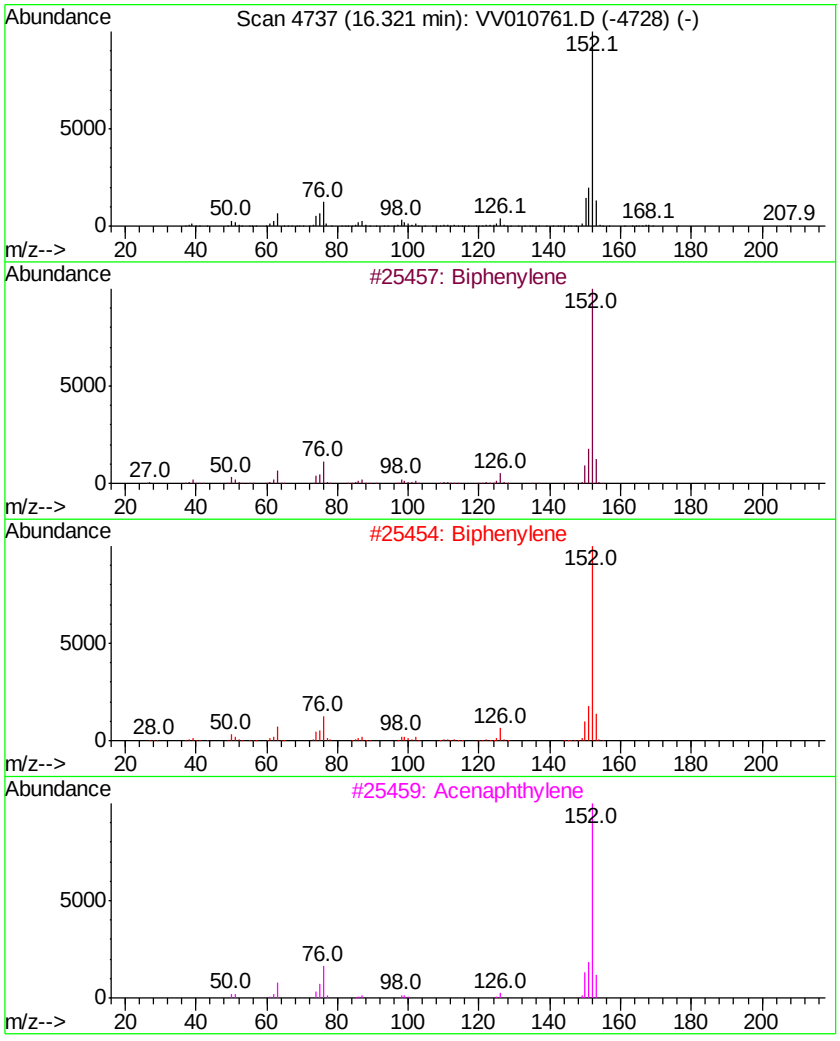
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

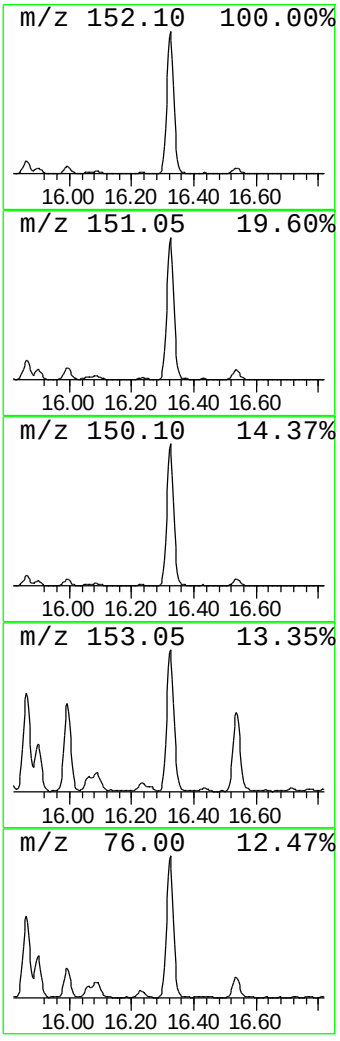
****

Peak Number 25 Biphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	239.41 ug/L	1167000	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	95
2	Biphenylene	152	C12H8	000259-79-0	91
3	Acenaphthylene	152	C12H8	000208-96-8	90
4	Acenaphthylene	152	C12H8	000208-96-8	87
5	Acenaphthylene	152	C12H8	000208-96-8	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV050719\
Data File : VV010761.D
Acq On : 09 May 2019 09:57
Operator : SY/MD
Sample : K2633-10RE
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : GAJA2RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.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, propyl-	10.40	1.5	ug/L	7368	3	11.29	121862	25.0
Benzene, 1-ethyl-...	10.49	16.0	ug/L	77870	3	11.29	121862	25.0
Benzene, 1,2,3-tr...	10.96	95.3	ug/L	464389	3	11.29	121862	25.0
Benzene, 1-etheny...	11.03	101.4	ug/L	494284	3	11.29	121862	25.0
Bicyclo[4.2.0]oct...	11.44	32.9	ug/L	160549	3	11.29	121862	25.0
Indane	11.58	54.6	ug/L	265967	3	11.29	121862	25.0
Indene	11.79	115.1	ug/L	560875	3	11.29	121862	25.0
Benzene, 4-ethyl-...	11.96	36.0	ug/L	175509	3	11.29	121862	25.0
Benzene, 1-methyl...	12.04	55.5	ug/L	270612	3	11.29	121862	25.0
Benzene, 1,2,3,5-...	12.51	324.1	ug/L	1579740	3	11.29	121862	25.0
Benzene, 1-etheny...	12.64	218.2	ug/L	1063410	3	11.29	121862	25.0
Benzene, 1-methyl...	12.93	375.2	ug/L	1829040	3	11.29	121862	25.0
2-Methylindene	12.99	502.5	ug/L	2449410	3	11.29	121862	25.0
Benzene, (1-methy...	13.10	827.8	ug/L	4035300	3	11.29	121862	25.0
Naphthalene, 1-me...	14.69	2934.2	ug/L	14302800	3	11.29	121862	25.0
Naphthalene, 2,6-...	15.72	232.2	ug/L	1131660	3	11.29	121862	25.0
Naphthalene, 2,3-...	15.86	277.7	ug/L	1353610	3	11.29	121862	25.0
Biphenylene	16.32	239.4	ug/L	1167000	3	11.29	121862	25.0