

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040619\
 Data File : VV010159.D
 Acq On : 06 Apr 2019 17:46
 Operator : SY/MD
 Sample : K2188-06RE
 Misc : 3.13G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF662RE

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.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	1.206	32	36	49	rBV3	13176	18101	2.22%	0.326%
2	1.318	65	71	79	rVB	103095	102234	12.54%	1.842%
3	1.576	145	151	161	rVB	102480	119809	14.69%	2.159%
4	2.129	313	323	334	rBV	249102	354762	43.50%	6.393%
5	2.315	372	381	390	rBV	21536	31984	3.92%	0.576%
6	2.537	438	450	467	rBV2	52288	90709	11.12%	1.635%
7	2.666	488	490	492	rVB2	716	306	0.04%	0.006%
8	2.685	494	496	500	rVB3	790	494	0.06%	0.009%
9	3.129	631	634	639	rBV3	500	462	0.06%	0.008%
10	3.154	639	642	646	rVV	433	262	0.03%	0.005%
11	3.318	688	693	696	rBV4	729	756	0.09%	0.014%
12	3.486	740	745	748	rVB2	544	442	0.05%	0.008%
13	3.505	748	751	753	rBV	606	329	0.04%	0.006%
14	3.611	782	784	790	rVB3	442	312	0.04%	0.006%
15	3.643	790	794	796	rBV3	390	293	0.04%	0.005%
16	3.746	822	826	829	rBV2	645	516	0.06%	0.009%
17	3.900	870	874	875	rBV2	391	251	0.03%	0.005%
18	3.942	877	887	909	rBV2	20248	55593	6.82%	1.002%
19	4.084	929	931	932	rBV2	594	266	0.03%	0.005%
20	4.170	957	958	966	rVB3	521	454	0.06%	0.008%
21	4.331	1005	1008	1010	rBV3	502	276	0.03%	0.005%
22	4.399	1011	1029	1053	rBV	143981	358805	43.99%	6.466%
23	4.576	1081	1084	1085	rBV3	495	300	0.04%	0.005%
24	4.778	1144	1147	1149	rBV2	490	336	0.04%	0.006%
25	4.958	1188	1203	1213	rBV6	3980	9052	1.11%	0.163%
26	5.096	1228	1246	1274	rBV2	326485	815566	100.00%	14.698%
27	5.283	1302	1304	1307	rBV2	876	398	0.05%	0.007%
28	5.363	1326	1329	1331	rBV3	1144	812	0.10%	0.015%
29	5.379	1331	1334	1335	rBV3	934	487	0.06%	0.009%
30	5.537	1370	1383	1396	rBV6	8587	18211	2.23%	0.328%
31	5.666	1408	1423	1448	rBV	296399	607141	74.44%	10.942%
32	6.006	1527	1529	1531	rBV3	702	367	0.04%	0.007%
33	6.119	1550	1564	1589	rBV	176893	367647	45.08%	6.626%
34	6.283	1611	1615	1617	rBV2	1046	761	0.09%	0.014%

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35	6.334	1629	1631	1633	rBV3	521	253	0.03%	0.005%
36	6.373	1638	1643	1645	rBV3	511	371	0.05%	0.007%
37	6.402	1645	1652	1655	rBV4	1522	1900	0.23%	0.034%
38	6.482	1671	1677	1678	rBV2	408	331	0.04%	0.006%
39	6.588	1706	1710	1712	rBV2	501	360	0.04%	0.006%
40	6.637	1721	1725	1726	rBV4	491	350	0.04%	0.006%
41	6.653	1726	1730	1732	rBV3	1053	799	0.10%	0.014%
42	6.714	1742	1749	1751	rBV5	1628	1945	0.24%	0.035%
43	6.768	1761	1766	1767	rBV2	515	349	0.04%	0.006%
44	6.791	1767	1773	1776	rBV4	1650	1719	0.21%	0.031%
45	6.920	1810	1813	1814	rBV2	928	378	0.05%	0.007%
46	7.032	1837	1848	1864	rVB	36983	65135	7.99%	1.174%
47	7.289	1926	1928	1930	rBV2	585	306	0.04%	0.006%
48	7.360	1938	1950	1964	rBV	348540	614639	75.36%	11.077%
49	7.778	2078	2080	2083	rVB2	906	433	0.05%	0.008%
50	7.797	2083	2086	2087	rBV2	752	279	0.03%	0.005%
51	7.839	2094	2099	2104	rBV7	2867	3800	0.47%	0.068%
52	7.974	2137	2141	2146	rBV4	845	1084	0.13%	0.020%
53	8.058	2164	2167	2168	rBV3	1016	499	0.06%	0.009%
54	8.135	2179	2191	2214	rBV	67000	130394	15.99%	2.350%
55	8.366	2258	2263	2265	rBV4	2463	2487	0.30%	0.045%
56	8.411	2273	2277	2279	rBV4	573	518	0.06%	0.009%
57	8.649	2349	2351	2355	rBV2	642	356	0.04%	0.006%
58	8.897	2416	2428	2446	rBV	335396	561672	68.87%	10.122%
59	9.058	2468	2478	2490	rBV	34017	55712	6.83%	1.004%
60	9.183	2508	2517	2530	rVB	34821	66482	8.15%	1.198%
61	9.347	2565	2568	2570	rBV2	1540	1131	0.14%	0.020%
62	9.431	2588	2594	2601	rBV10	3652	4903	0.60%	0.088%
63	9.498	2608	2615	2618	rBV6	3163	3821	0.47%	0.069%
64	9.591	2635	2644	2658	rVB3	21249	35113	4.31%	0.633%
65	9.710	2679	2681	2684	rBV2	673	473	0.06%	0.009%
66	9.826	2711	2717	2721	rBV5	1733	1925	0.24%	0.035%
67	9.980	2759	2765	2770	rVB6	2852	3500	0.43%	0.063%
68	10.096	2798	2801	2802	rBV2	507	250	0.03%	0.005%
69	10.260	2841	2852	2869	rVB	99202	158825	19.47%	2.862%
70	10.402	2881	2896	2898	rBV2	5247	7695	0.94%	0.139%
71	10.495	2918	2925	2942	rVB3	15141	33679	4.13%	0.607%

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72	10.588	2947	2954	2961	rVB4	4036	5613	0.69%	0.101%
73	10.788	3007	3016	3017	rBV4	9286	11963	1.47%	0.216%
74	10.958	3062	3069	3078	rBV4	13192	21011	2.58%	0.379%
75	11.138	3117	3125	3126	rBV3	3009	2814	0.35%	0.051%
76	11.196	3140	3143	3145	rBV2	1590	1217	0.15%	0.022%
77	11.225	3145	3152	3163	rVB3	10305	17572	2.15%	0.317%
78	11.296	3163	3174	3190	rBV	186969	320490	39.30%	5.776%
79	11.575	3251	3261	3271	rBV2	24028	41060	5.03%	0.740%
80	11.675	3282	3292	3311	rVB	148670	250897	30.76%	4.522%
81	11.759	3316	3318	3320	rBV3	1201	732	0.09%	0.013%
82	11.861	3346	3350	3353	rBV5	1857	1858	0.23%	0.033%
83	12.067	3407	3414	3419	rBV6	2796	4347	0.53%	0.078%
84	12.164	3432	3444	3454	rBV2	21081	35468	4.35%	0.639%
85	12.296	3478	3485	3488	rBV5	1843	2411	0.30%	0.043%
86	12.434	3526	3528	3529	rBV	1026	413	0.05%	0.007%
87	12.569	3565	3570	3572	rVB2	778	592	0.07%	0.011%
88	12.726	3612	3619	3621	rBV6	2483	2705	0.33%	0.049%
89	12.771	3626	3633	3640	rVV3	11495	16416	2.01%	0.296%
90	12.929	3675	3682	3691	rVB4	14100	21465	2.63%	0.387%
91	12.964	3691	3693	3695	rBV3	859	487	0.06%	0.009%
92	13.096	3727	3734	3744	rVB5	8268	11540	1.41%	0.208%
93	13.263	3777	3786	3796	rVB3	25933	42043	5.16%	0.758%
94	13.511	3860	3863	3865	rBV3	981	585	0.07%	0.011%
95	13.578	3882	3884	3885	rBV2	1448	605	0.07%	0.011%
96	13.717	3925	3927	3930	rBV3	752	451	0.06%	0.008%
97	13.762	3935	3941	3947	rBV7	6173	9592	1.18%	0.173%
98	13.881	3976	3978	3980	rBV2	997	551	0.07%	0.010%
99	14.012	4017	4019	4022	rBV3	904	607	0.07%	0.011%
100	14.887	4289	4291	4298	rBV4	940	937	0.11%	0.017%

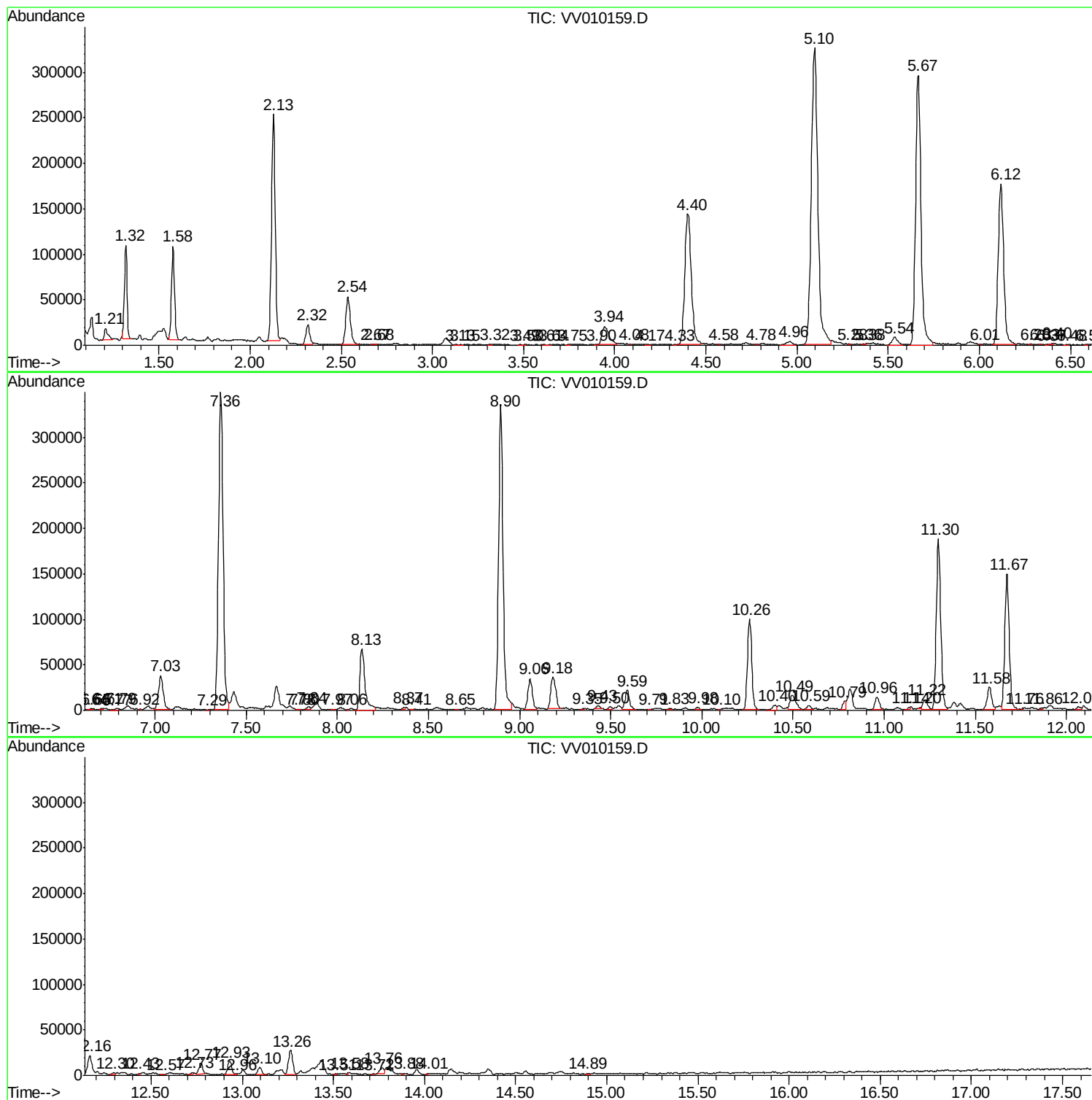
Sum of corrected areas: 5548802

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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



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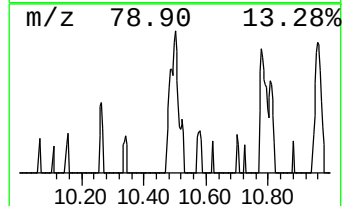
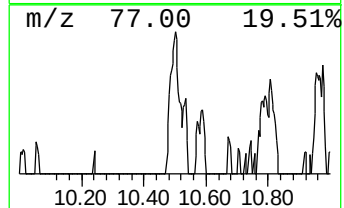
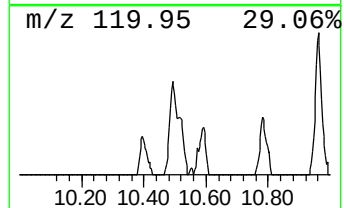
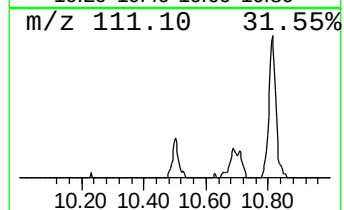
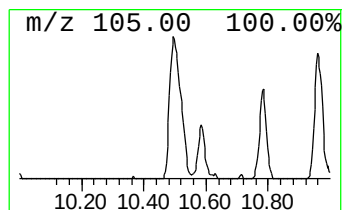
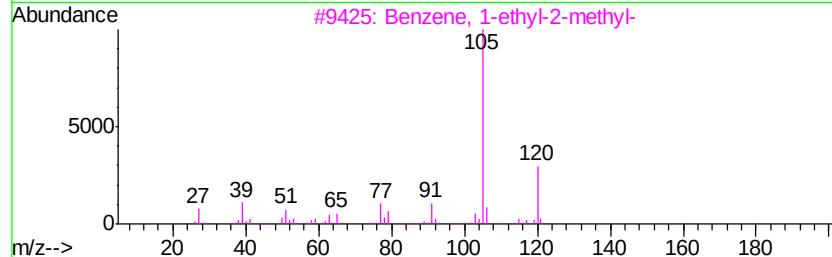
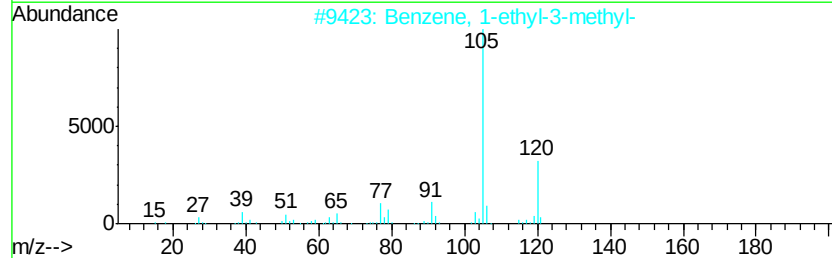
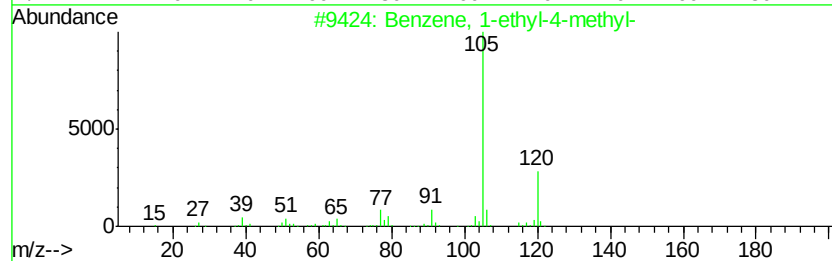
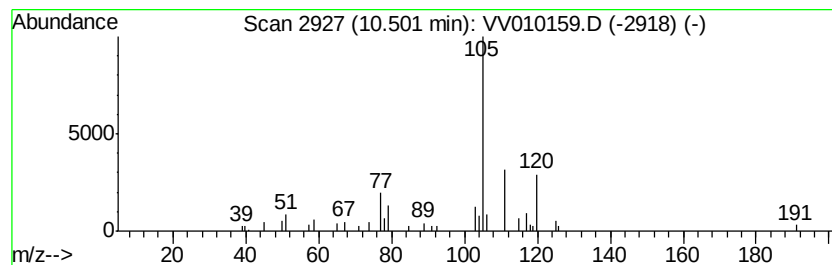
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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

Peak Number 2 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	2.63 ug/L	33679	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	62
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	62
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	62
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	62



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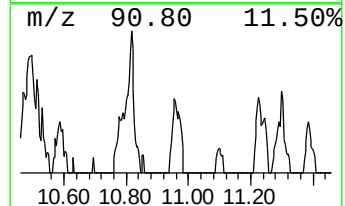
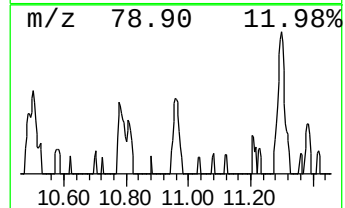
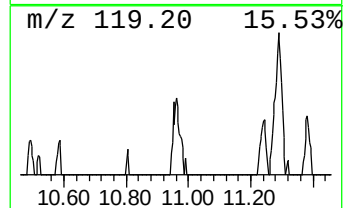
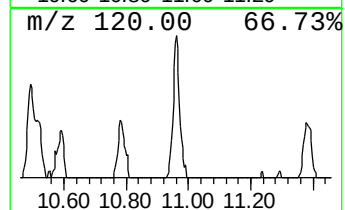
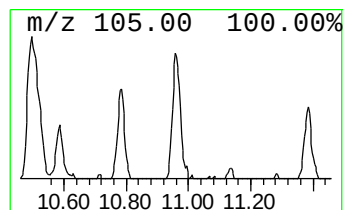
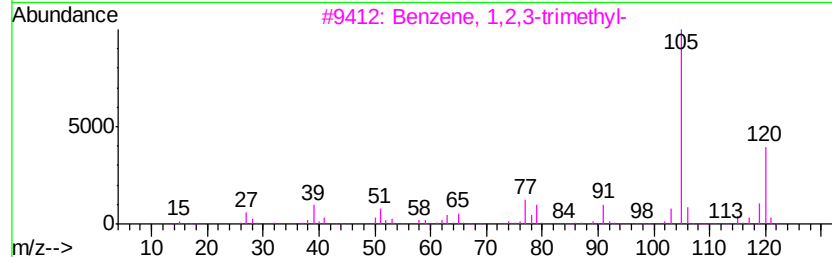
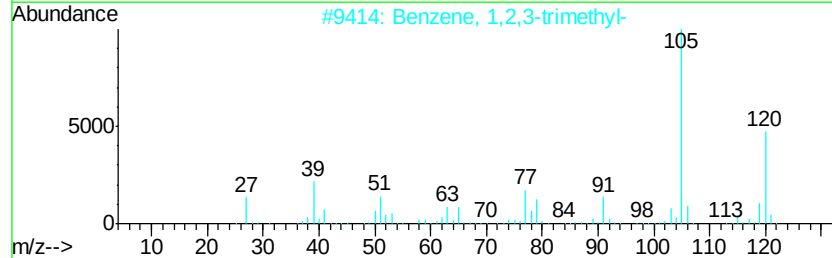
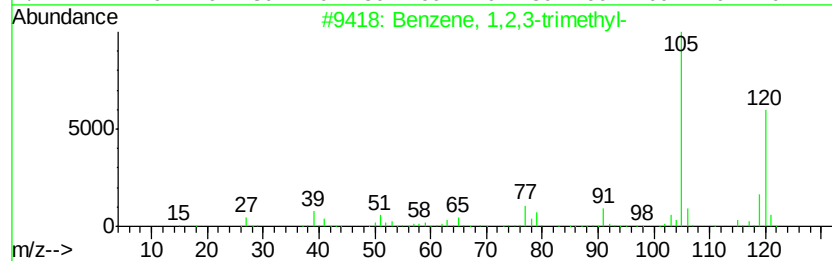
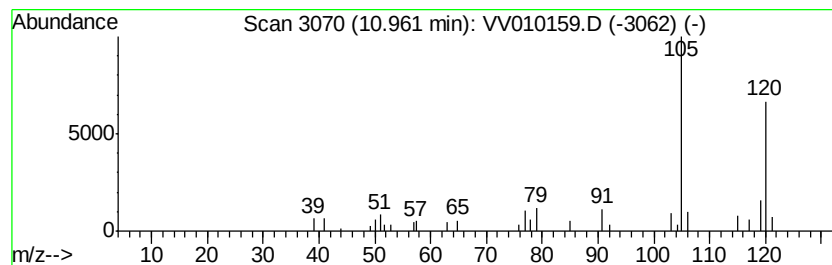
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	1.64 ug/L	21011	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



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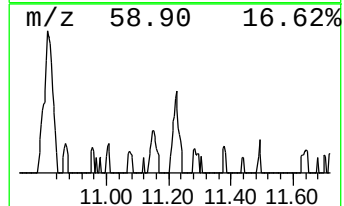
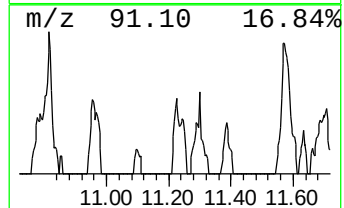
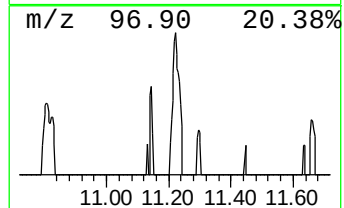
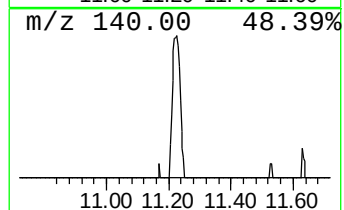
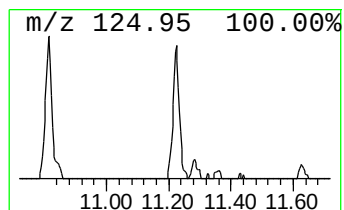
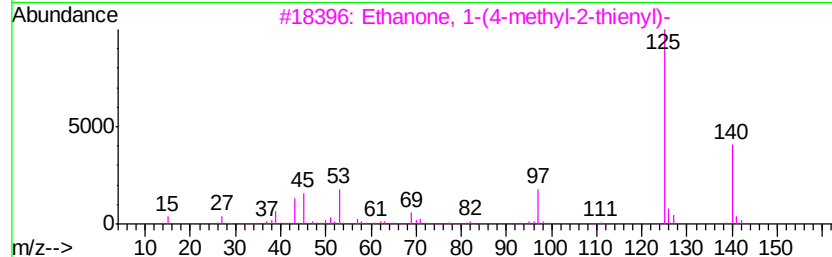
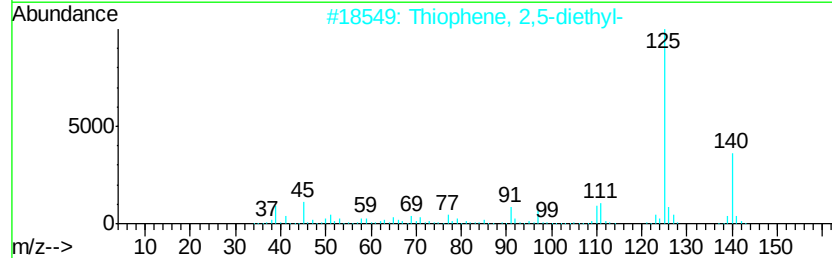
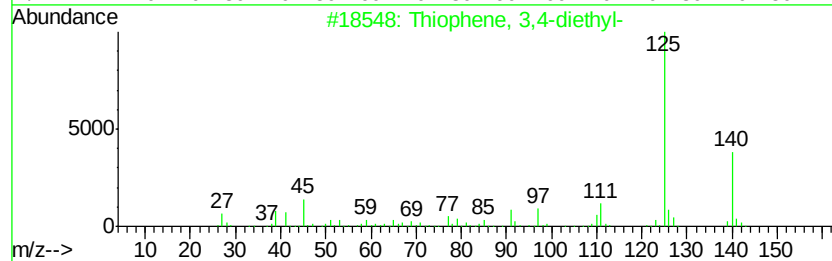
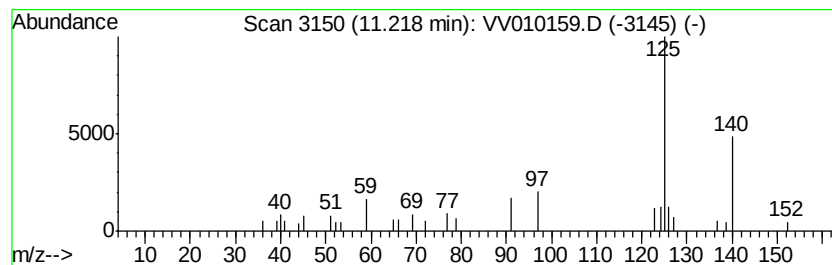
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Thiophene, 3,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	1.37 ug/L	17572	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 3,4-diethyl-	140	C8H12S	035686-14-7	72
2		Thiophene, 2,5-diethyl-	140	C8H12S	005069-23-8	64
3		Ethanone, 1-(4-methyl-2-thienyl)-	140	C7H8OS	013679-73-7	59
4		4-Aminothiophenol	125	C6H7NS	001193-02-8	53
5		2-Acetyl-5-methylthiophene	140	C7H8OS	013679-74-8	50



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Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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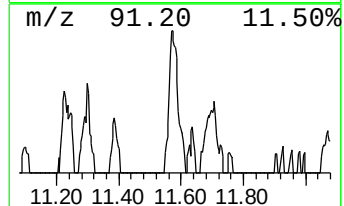
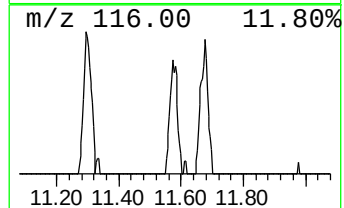
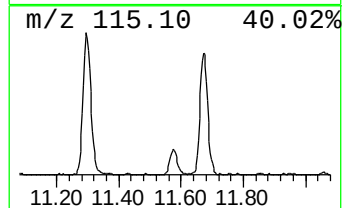
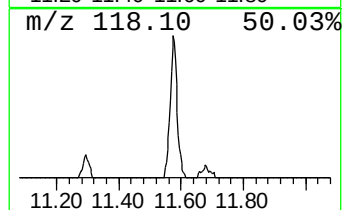
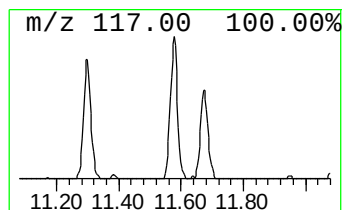
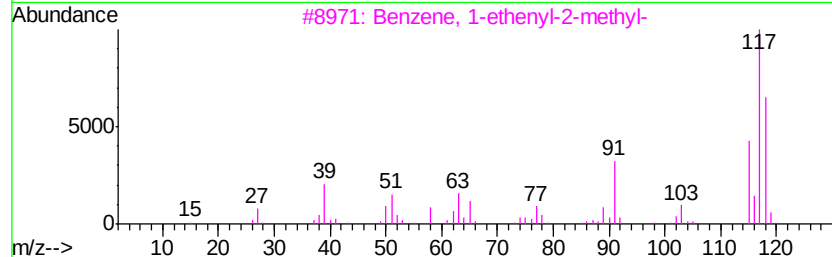
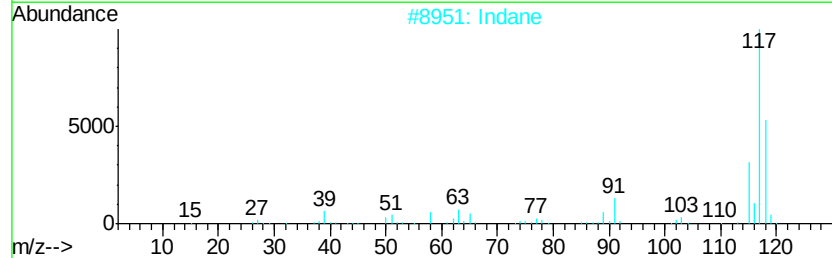
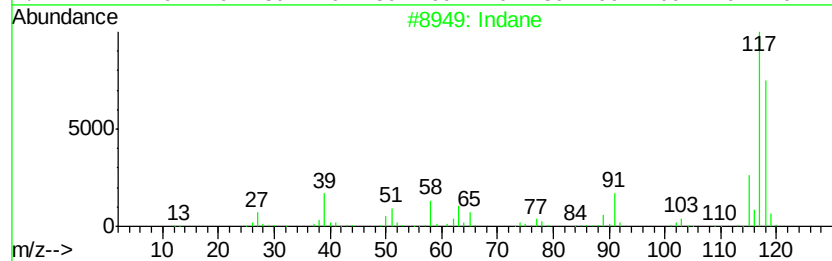
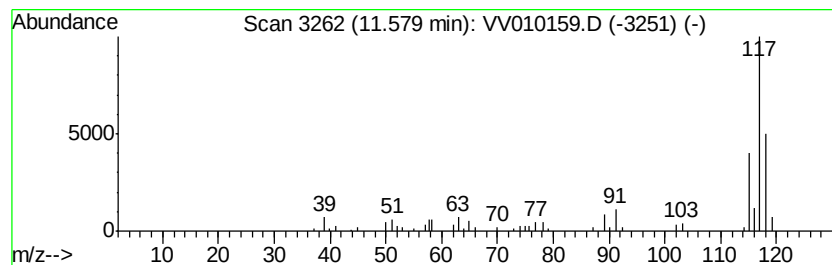
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Quant Title : VOC Analysis

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

Peak Number 5 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	3.20 ug/L	41060	1,4-Dichlorobenzene-d4	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	76
2	Indane		118	C9H10	000496-11-7	76
3	Benzene, 1-ethenyl-2-methyl-		118	C9H10	000611-15-4	70
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	...	118	C9H10	1000191-13-7	64
5	Indane		118	C9H10	000496-11-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040619\
Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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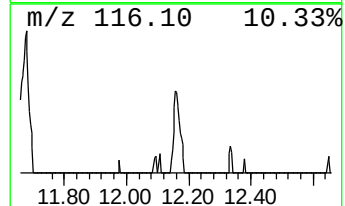
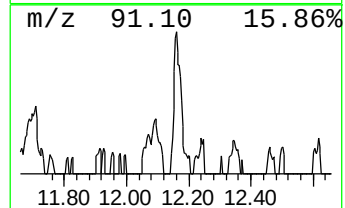
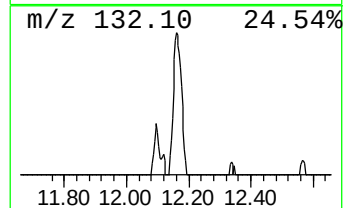
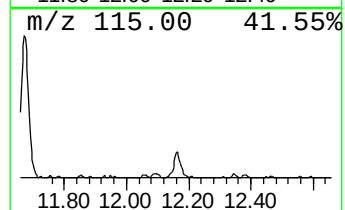
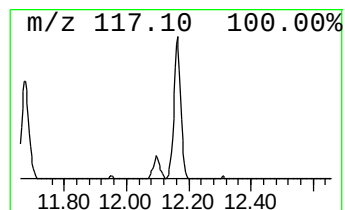
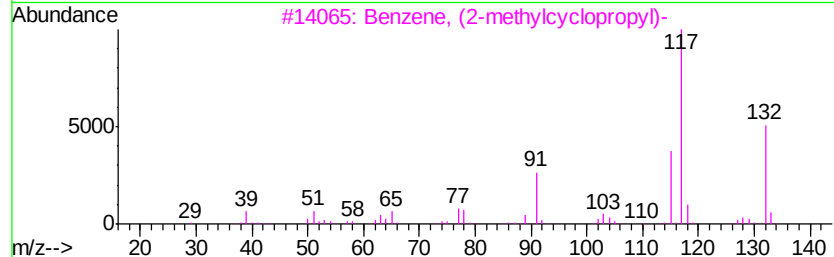
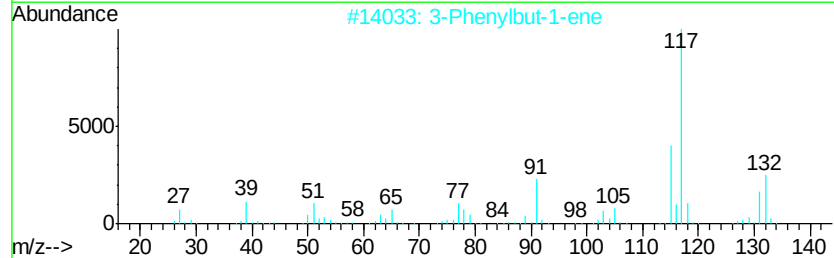
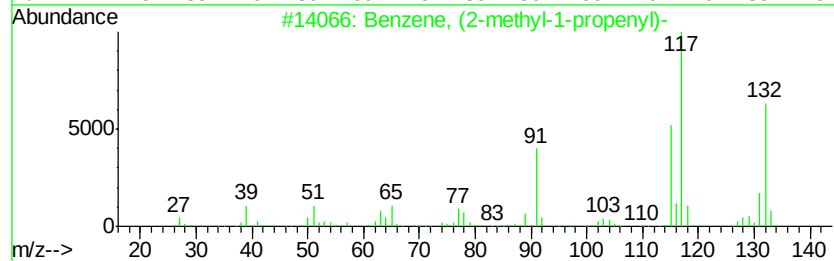
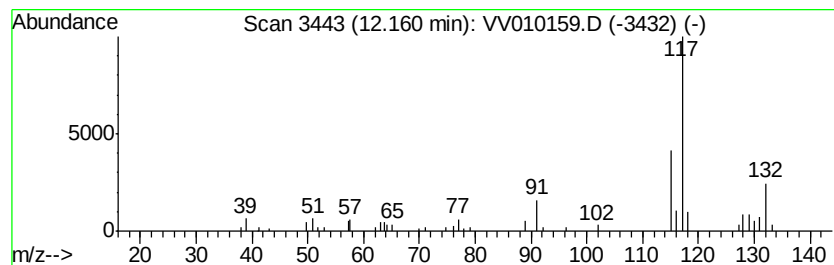
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, (2-methyl-1-propen... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.77 ug/L	35468	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040619\
Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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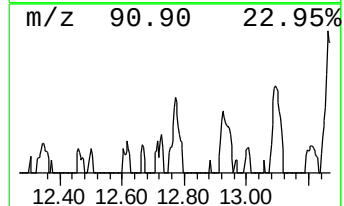
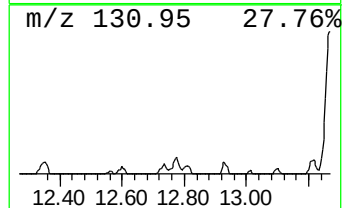
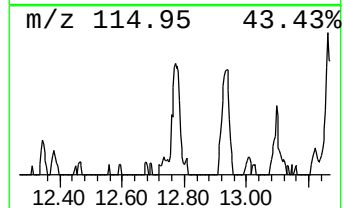
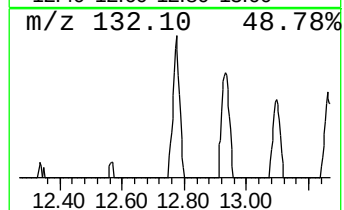
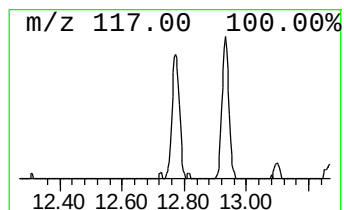
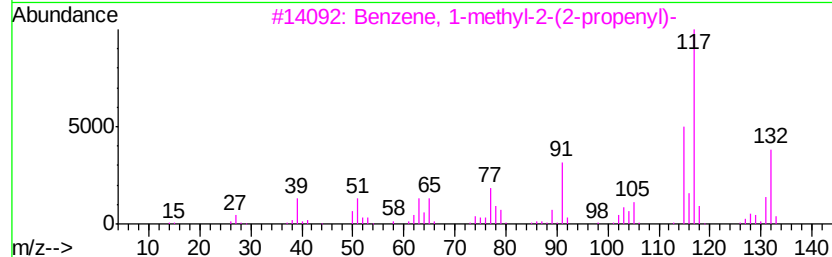
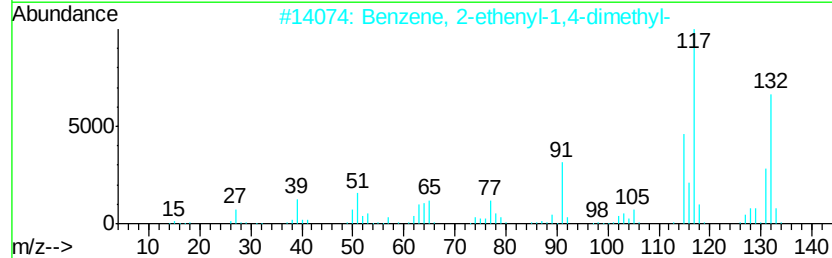
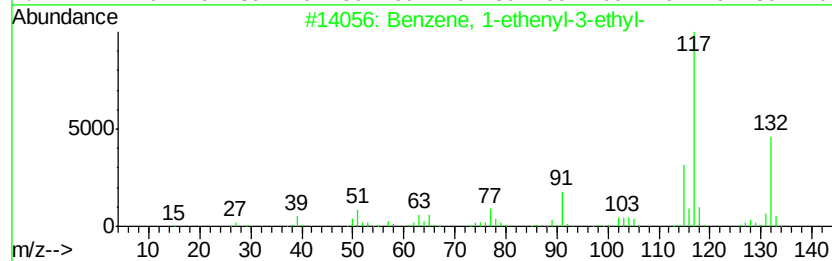
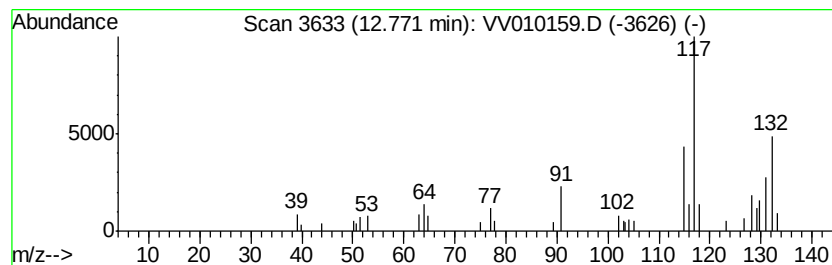
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Quant Title : VOC Analysis

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

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	1.28 ug/L	16416	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040619\
Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

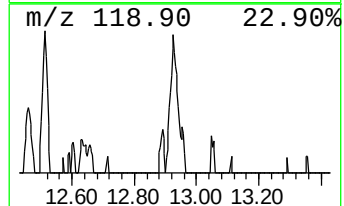
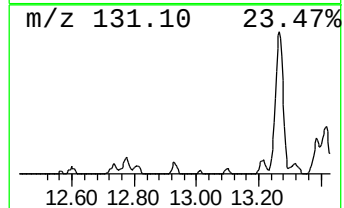
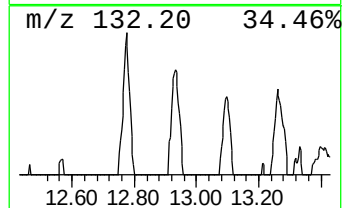
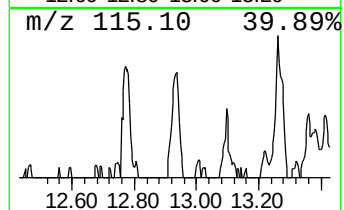
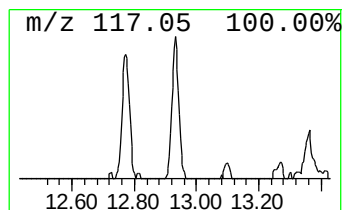
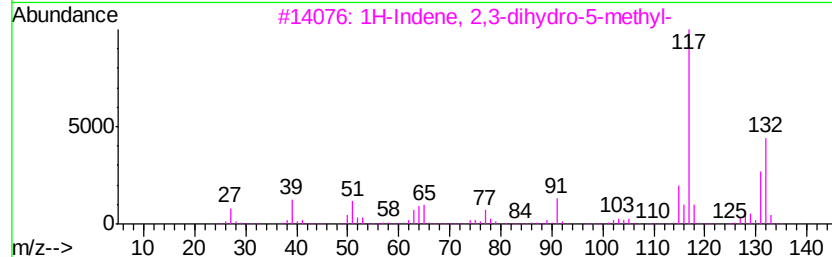
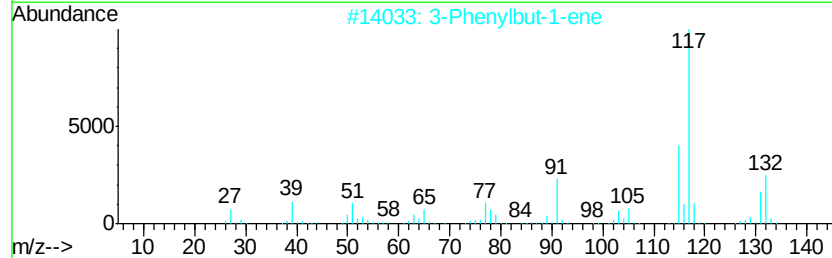
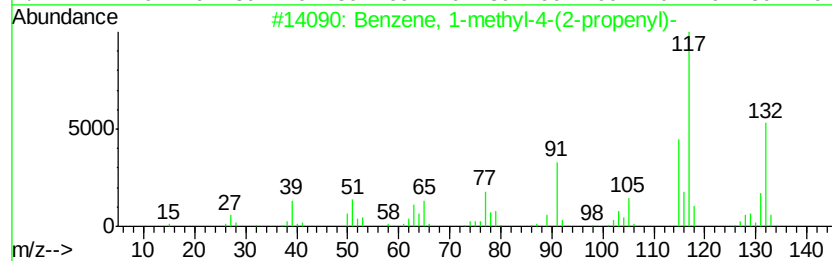
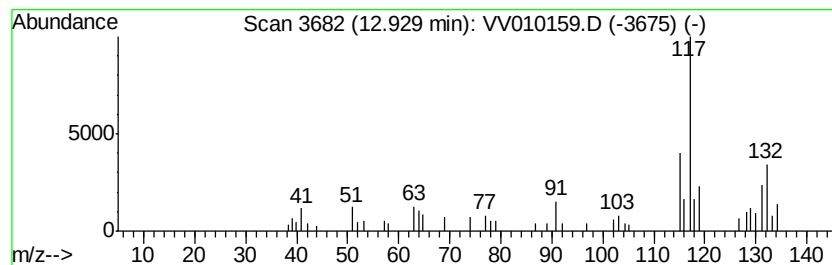
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-methyl-4-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.93	1.67 ug/L	21465	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	76
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV040619\
Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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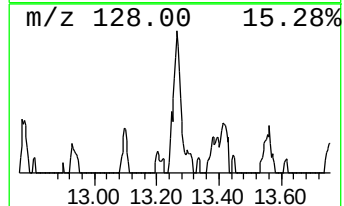
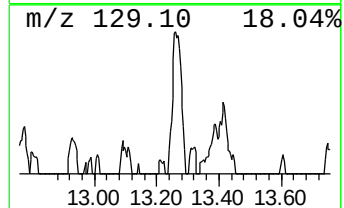
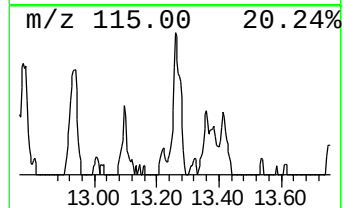
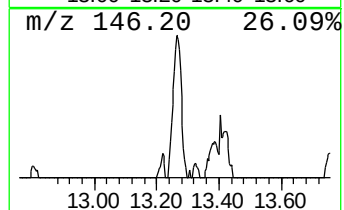
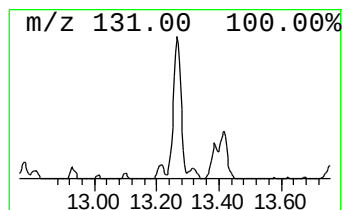
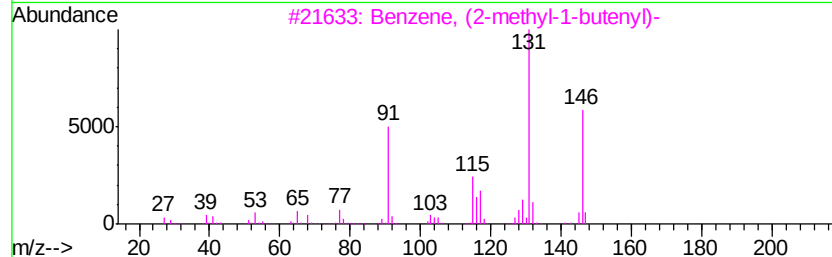
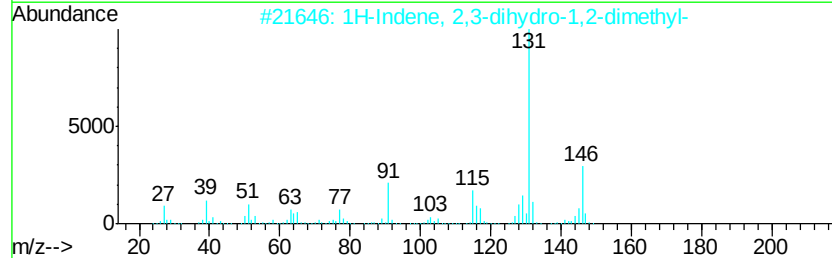
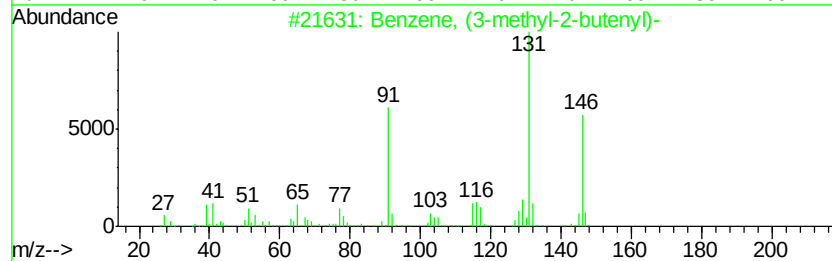
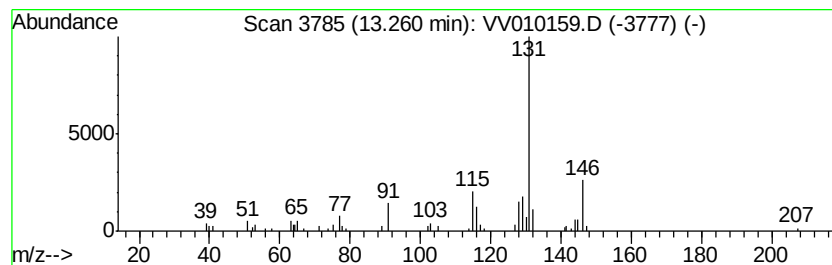
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Quant Title : VOC Analysis

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

Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.28 ug/L	42043	1,4-Dichlorobenzene-d4	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	90
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040619\
Data File : VV010159.D
Acq On : 06 Apr 2019 17:46
Operator : SY/MD
Sample : K2188-06RE
Misc : 3.13G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF662RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethyl-...	10.50	2.6	ug/L	33679	3	11.30	320490	25.0
Benzene, 1,2,3-tr...	10.96	1.6	ug/L	21011	3	11.30	320490	25.0
Thiophene, 3,4-di...	11.22	1.4	ug/L	17572	3	11.30	320490	25.0
Indane	11.58	3.2	ug/L	41060	3	11.30	320490	25.0
Benzene, (2-methy...	12.16	2.8	ug/L	35468	3	11.30	320490	25.0
Benzene, 1-etheny...	12.77	1.3	ug/L	16416	3	11.30	320490	25.0
Benzene, 1-methyl...	12.93	1.7	ug/L	21465	3	11.30	320490	25.0
Benzene, (3-methy...	13.26	3.3	ug/L	42043	3	11.30	320490	25.0