

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042319\
 Data File : VW010100.D
 Acq On : 23 Apr 2019 16:30
 Operator : SY/VA
 Sample : K2455-22
 Misc : 5.05G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHS2

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_W\METHOD\SOM2WLM041519S.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	2.166	38	43	46	rBV2	3902	7217	0.00%	0.001%
2	3.763	303	305	308	rVB3	1474	1634	0.00%	0.000%
3	4.001	335	344	355	rBV3	22291	58348	0.02%	0.007%
4	4.123	356	364	375	rVV2	4478	14580	0.01%	0.002%
5	4.251	383	385	389	rVB3	1006	1225	0.00%	0.000%
6	4.397	404	409	410	rBV2	3836	6087	0.00%	0.001%
7	4.665	445	453	454	rBV3	1755	3250	0.00%	0.000%
8	4.915	480	494	507	rBV6	16506	78561	0.03%	0.010%
9	5.421	567	577	584	rBV7	5212	18236	0.01%	0.002%
10	5.927	651	660	670	rBV5	8032	25393	0.01%	0.003%
11	6.482	750	751	756	rVB3	1013	1314	0.00%	0.000%
12	6.848	804	811	812	rBV2	1801	2955	0.00%	0.000%
13	6.976	824	832	838	rVV6	3137	8335	0.00%	0.001%
14	7.080	842	849	857	rBV	19941	53120	0.02%	0.007%
15	7.256	869	878	892	rVB	98146	255976	0.11%	0.032%
16	7.500	916	918	921	rVV3	1140	1590	0.00%	0.000%
17	7.646	932	942	955	rVB2	55934	138162	0.06%	0.017%
18	7.921	981	987	990	rBV5	3578	6652	0.00%	0.001%
19	8.031	998	1005	1012	rVB7	3706	9141	0.00%	0.001%
20	8.152	1019	1025	1032	rVB7	3238	6469	0.00%	0.001%
21	8.274	1035	1045	1060	rBV2	91692	332722	0.14%	0.041%
22	8.421	1066	1069	1070	rBV2	1461	1280	0.00%	0.000%
23	8.567	1089	1093	1102	rVB7	4540	10304	0.00%	0.001%
24	8.683	1109	1112	1118	rBV3	2696	5208	0.00%	0.001%
25	8.841	1130	1138	1145	rBV	111229	226248	0.09%	0.028%
26	8.982	1159	1161	1164	rBV2	999	1190	0.00%	0.000%
27	9.061	1171	1174	1175	rBV3	1929	2197	0.00%	0.000%
28	9.219	1196	1200	1201	rBV3	1578	2311	0.00%	0.000%
29	9.274	1201	1209	1216	rBV	92748	185004	0.08%	0.023%
30	9.396	1225	1229	1234	rVB5	2827	4830	0.00%	0.001%
31	9.500	1243	1246	1249	rBV4	1321	1856	0.00%	0.000%
32	9.664	1271	1273	1275	rBV2	1734	1952	0.00%	0.000%
33	9.713	1278	1281	1283	rVV4	2053	2579	0.00%	0.000%
34	9.750	1283	1287	1294	rVB7	3610	7794	0.00%	0.001%

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 Title : VOC Analysis

35	9.902	1304	1312	1316	rVB7	2944	6396	0.00%	0.001%
36	9.951	1316	1320	1325	rVB7	1206	2502	0.00%	0.000%
37	10.036	1325	1334	1342	rBV	46083	87587	0.04%	0.011%
38	10.128	1347	1349	1352	rVV4	2106	2005	0.00%	0.000%
39	10.201	1357	1361	1365	rVB5	4780	7967	0.00%	0.001%
40	10.323	1374	1381	1386	rBV	120114	225476	0.09%	0.028%
41	10.384	1386	1391	1396	rBV	74555	125746	0.05%	0.016%
42	10.481	1403	1407	1408	rBV3	2147	2490	0.00%	0.000%
43	10.506	1408	1411	1416	rVB6	4206	6510	0.00%	0.001%
44	10.579	1417	1423	1430	rVV	34811	61893	0.03%	0.008%
45	10.750	1447	1451	1453	rBV4	4806	7380	0.00%	0.001%
46	10.926	1475	1480	1490	rBV	75153	138023	0.06%	0.017%
47	11.061	1497	1502	1507	rBV6	11293	25215	0.01%	0.003%
48	11.457	1562	1567	1569	rBV6	6283	12205	0.01%	0.002%
49	11.634	1590	1596	1602	rBV	208701	397699	0.16%	0.049%
50	11.731	1606	1612	1618	rBV	1693007	2716310	1.13%	0.335%
51	11.835	1623	1629	1644	rVB	11123869	20407210	8.46%	2.517%
52	12.176	1677	1685	1703	rVB3	13220511	26927499	11.17%	3.321%
53	12.463	1728	1732	1737	rBV	86719	128355	0.05%	0.016%
54	12.694	1766	1770	1773	rBV	83097	122229	0.05%	0.015%
55	12.743	1773	1778	1783	rVB	532793	812943	0.34%	0.100%
56	12.804	1783	1788	1793	rBV	771859	1233432	0.51%	0.152%
57	12.871	1793	1799	1802	rBV	3815729	6370324	2.64%	0.786%
58	12.944	1807	1811	1829	rVB	5334998	8442361	3.50%	1.041%
59	13.115	1831	1839	1846	rBV2	2902342	5673770	2.35%	0.700%
60	13.255	1851	1862	1866	rBV	17283926	28684417	11.90%	3.538%
61	13.304	1866	1870	1875	rVV	20611230	31727000	13.16%	3.913%
62	13.353	1875	1878	1888	rVB	7977705	12065020	5.00%	1.488%
63	13.444	1888	1893	1898	rBV3	241074	519432	0.22%	0.064%
64	13.591	1908	1917	1920	rBV	5772200	9261184	3.84%	1.142%
65	13.627	1920	1923	1932	rVB	3074126	4668960	1.94%	0.576%
66	13.719	1932	1938	1940	rBV2	705621	1168526	0.48%	0.144%
67	13.761	1940	1945	1948	rBV2	2896278	4408151	1.83%	0.544%
68	13.944	1968	1975	1982	rBV2	52005681	93591149	38.82%	11.543%
69	14.017	1982	1987	1988	rBV	770573	1041793	0.43%	0.128%
70	14.066	1989	1995	1998	rVV2	1506179	3475962	1.44%	0.429%
71	14.103	1998	2001	2004	rVB	1295078	1665956	0.69%	0.205%

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72	14.151	2004	2009	2015	rVB	1903730	3712216	1.54%	0.458%
73	14.237	2015	2023	2028	rBV	7187222	11429850	4.74%	1.410%
74	14.292	2028	2032	2036	rVB	1738534	2567778	1.07%	0.317%
75	14.340	2036	2040	2045	rVB	449205	651140	0.27%	0.080%
76	14.426	2045	2054	2056	rBV	1702395	2944641	1.22%	0.363%
77	14.468	2056	2061	2065	rBV2	3211948	5156064	2.14%	0.636%
78	14.560	2071	2076	2081	rBV	4603637	7038356	2.92%	0.868%
79	14.694	2093	2098	2102	rBV	1237364	2043675	0.85%	0.252%
80	14.731	2102	2104	2109	rVB2	648108	874448	0.36%	0.108%
81	14.798	2109	2115	2122	rBV3	3249478	6892638	2.86%	0.850%
82	14.877	2122	2128	2135	rVV	20720523	33608703	13.94%	4.145%
83	14.962	2135	2142	2150	rVB	22400576	37338179	15.49%	4.605%
84	15.060	2150	2158	2164	rBV	2414011	4721288	1.96%	0.582%
85	15.121	2164	2168	2174	rVB2	656015	1261421	0.52%	0.156%
86	15.194	2174	2180	2185	rBV5	409451	1138567	0.47%	0.140%
87	15.383	2203	2211	2220	rVB2	102540133	241081318	100.00%	29.734%
88	15.474	2220	2226	2232	rVB	1959492	3361151	1.39%	0.415%
89	15.560	2237	2240	2248	rVB	399572	645427	0.27%	0.080%
90	15.663	2251	2257	2260	rBV2	477822	941977	0.39%	0.116%
91	15.804	2275	2280	2283	rBV	557541	1013739	0.42%	0.125%
92	15.852	2283	2288	2293	rVV	1406035	2519345	1.05%	0.311%
93	15.980	2301	2309	2323	rVB	1551385	4500139	1.87%	0.555%
94	16.102	2324	2329	2335	rVB2	447659	867212	0.36%	0.107%
95	16.182	2337	2342	2344	rBV3	175699	324065	0.13%	0.040%
96	16.255	2349	2354	2367	rVB	804544	1931384	0.80%	0.238%
97	16.389	2369	2376	2378	rBV	486045	962282	0.40%	0.119%
98	16.456	2378	2387	2400	rVB2	49224737	114342647	47.43%	14.103%
99	16.572	2401	2406	2411	rBV	242681	530440	0.22%	0.065%
100	16.657	2411	2420	2430	rVB	21942846	48675245	20.19%	6.004%

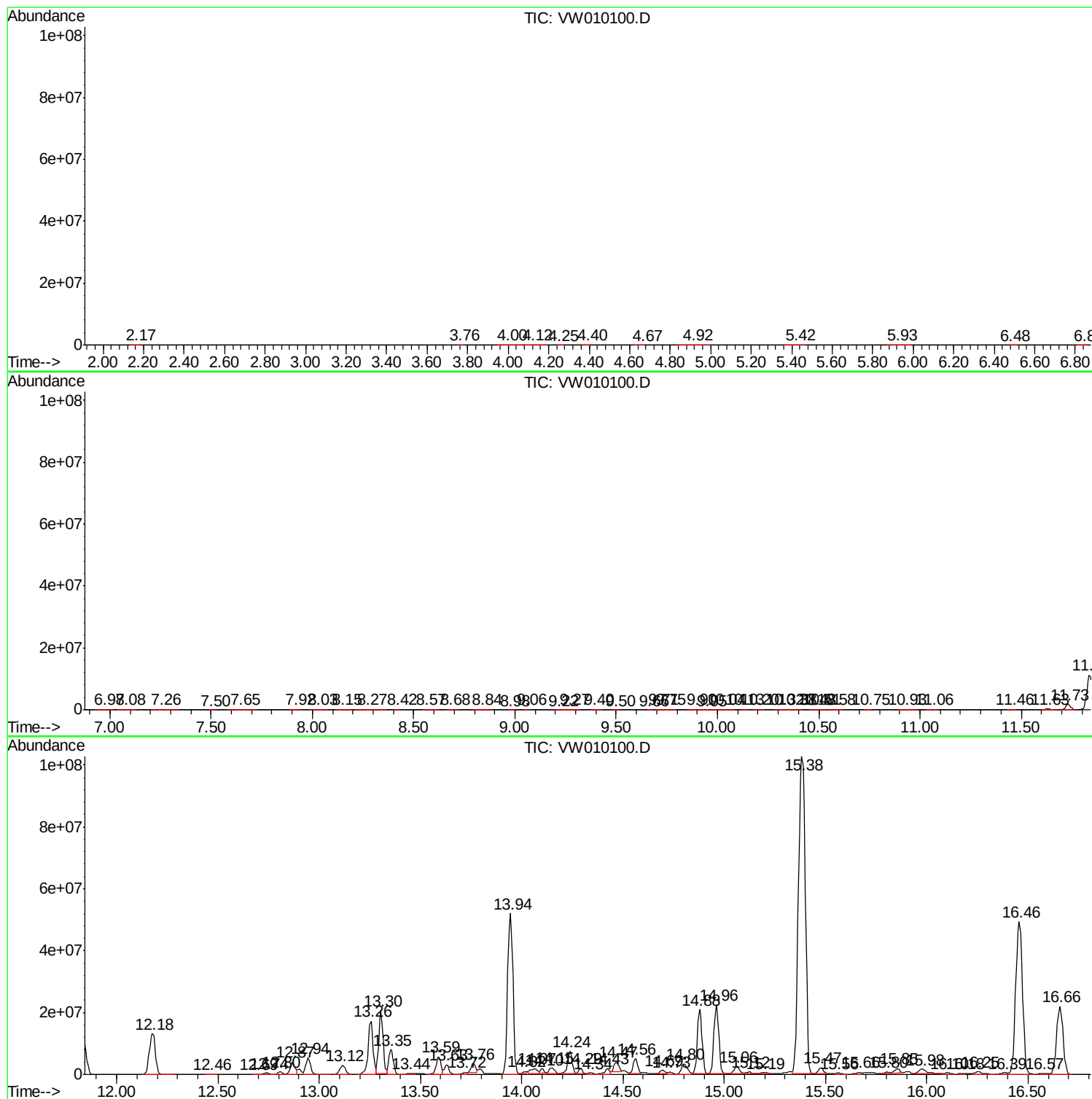
Sum of corrected areas: 810780132

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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



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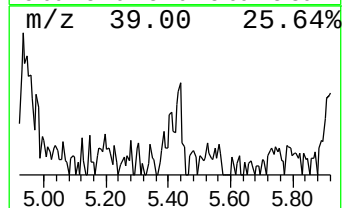
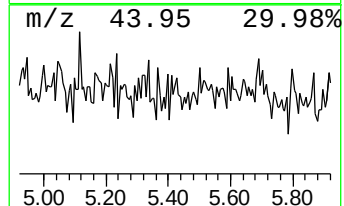
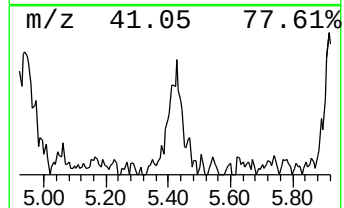
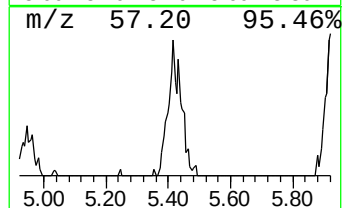
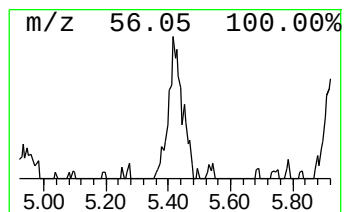
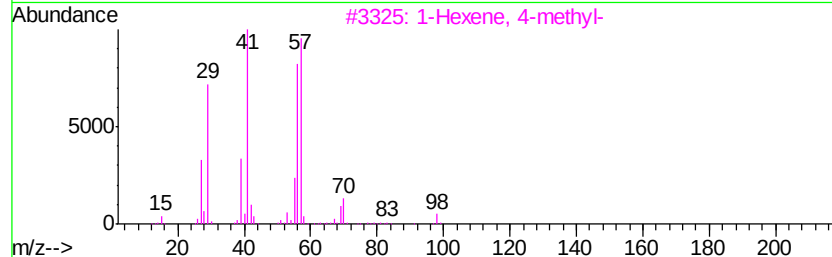
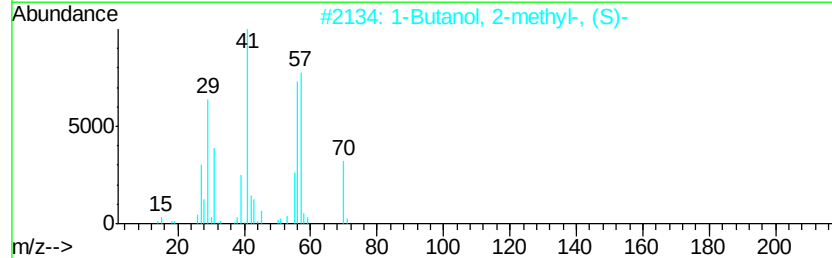
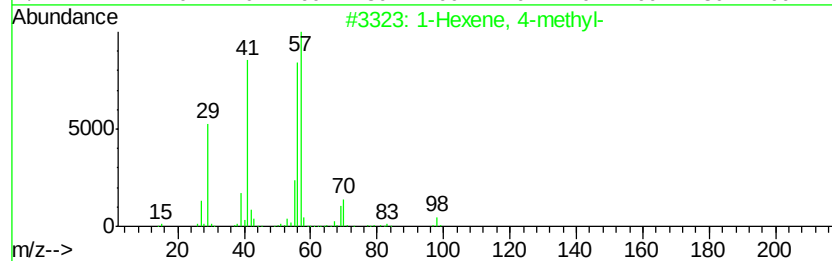
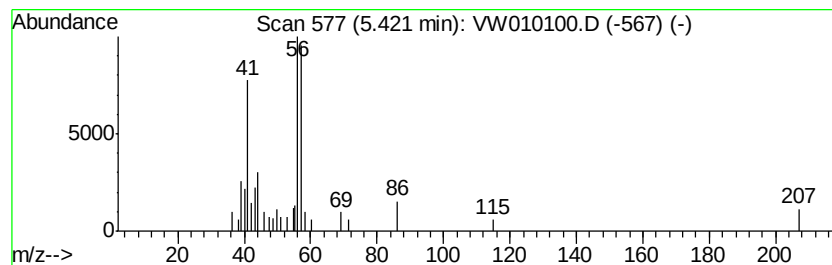
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Cyclic5.42 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	2.02 ug/L	18236	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	47
2			1-Butanol, 2-methyl-, (S)-	88	C5H12O	001565-80-6	43
3			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	38
4			Formic acid, butyl ester	102	C5H10O2	000592-84-7	38
5			Cyclobutane, ethyl-	84	C6H12	004806-61-5	32



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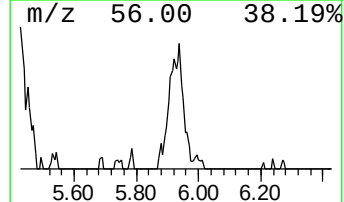
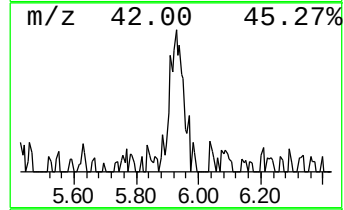
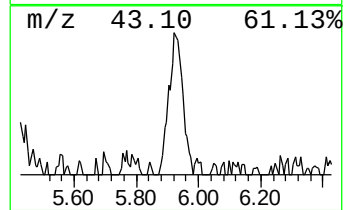
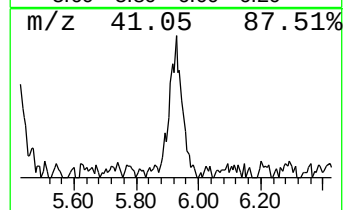
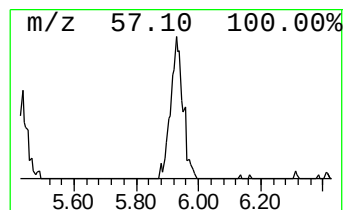
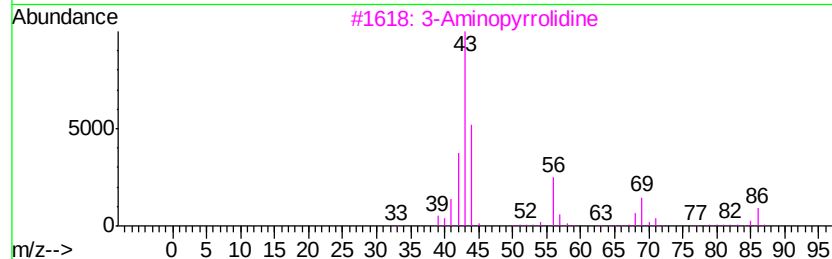
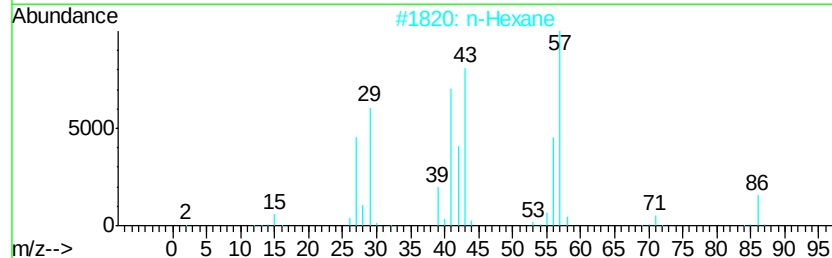
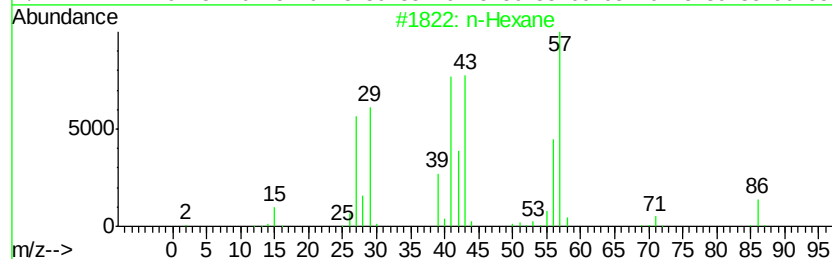
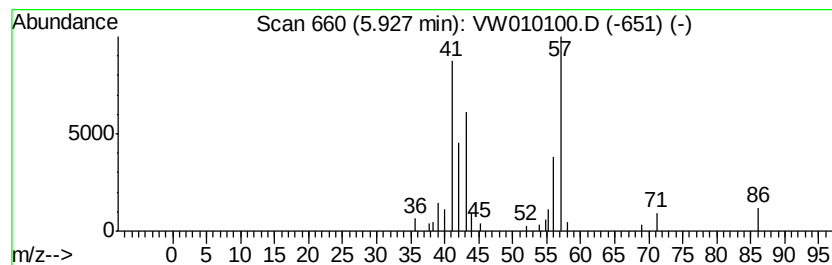
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Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	2.81 ug/L	25393	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	86
2		n-Hexane	86	C6H14	000110-54-3	80
3		3-Aminopyrrolidine	86	C4H10N2	079286-79-6	38
4		2-Butene	56	C4H8	000107-01-7	27
5		2-Butene, (Z)-	56	C4H8	000590-18-1	27



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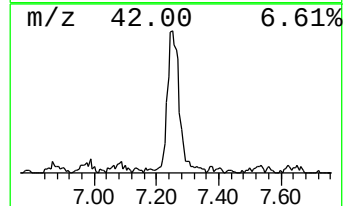
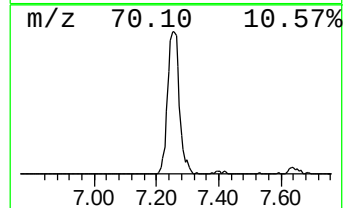
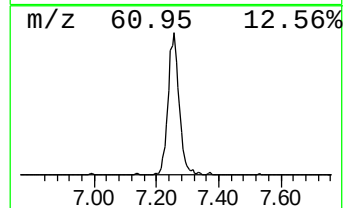
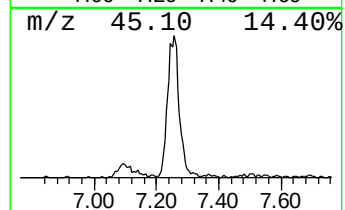
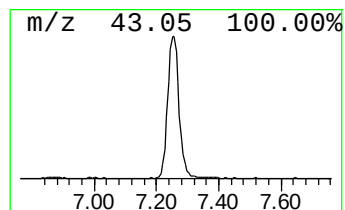
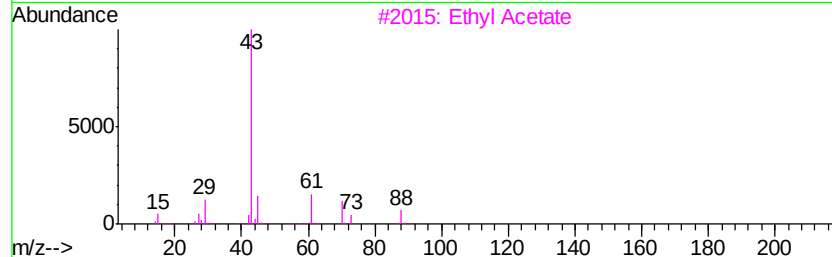
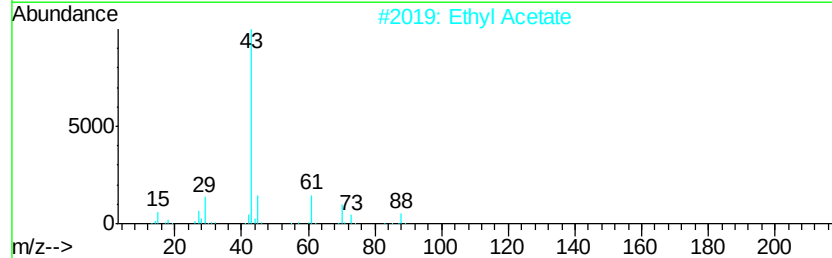
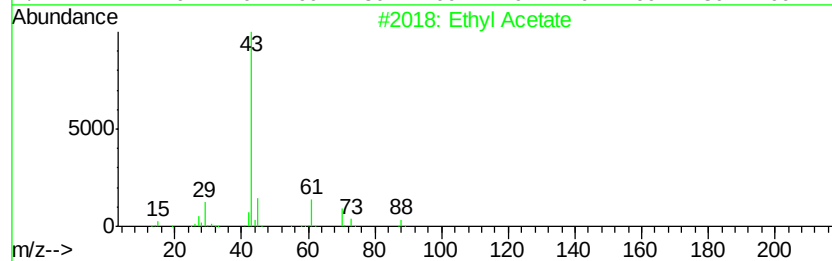
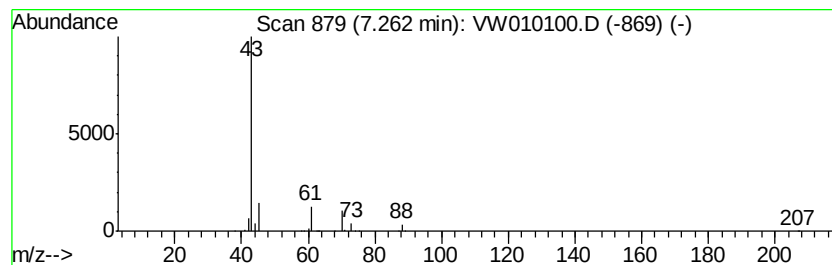
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethyl Acetate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	28.28 ug/L	255976	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethyl Acetate	88	C4H8O2	000141-78-6	86
2		Ethyl Acetate	88	C4H8O2	000141-78-6	78
3		Ethyl Acetate	88	C4H8O2	000141-78-6	78
4		Ethyl Acetate	88	C4H8O2	000141-78-6	64
5		CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHS2

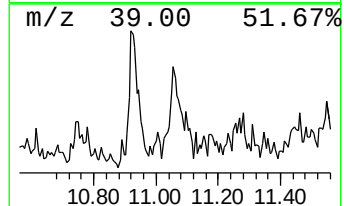
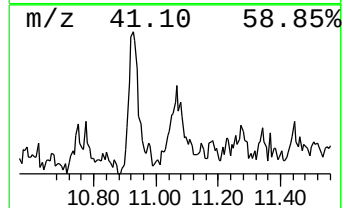
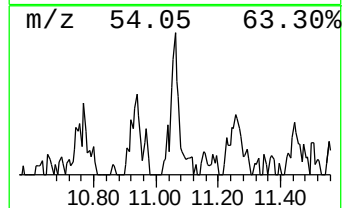
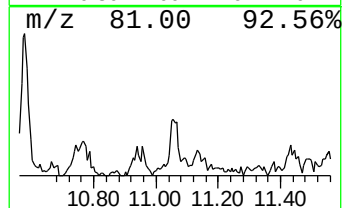
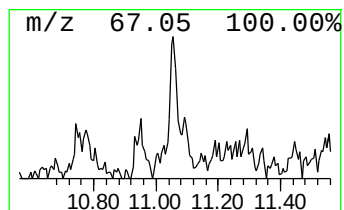
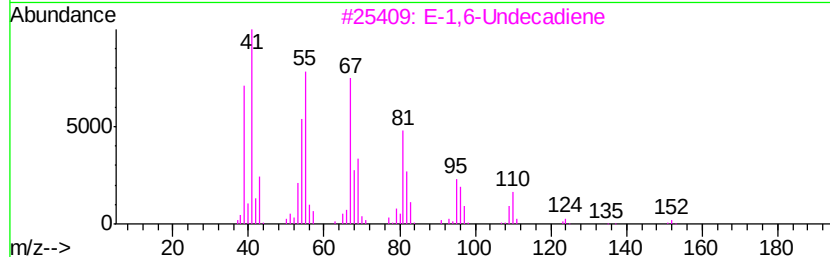
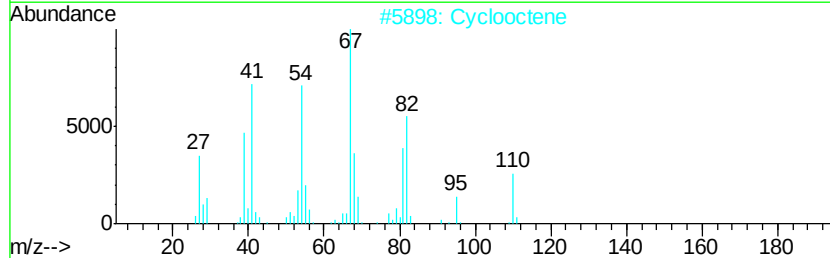
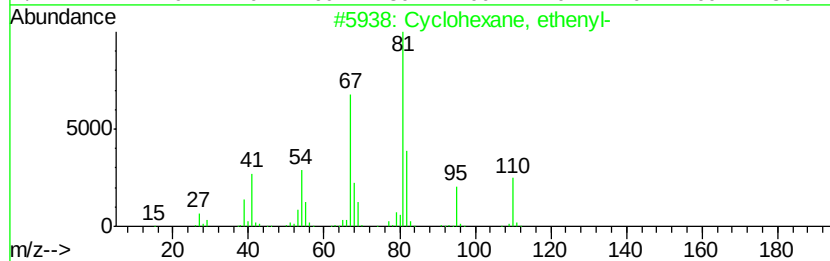
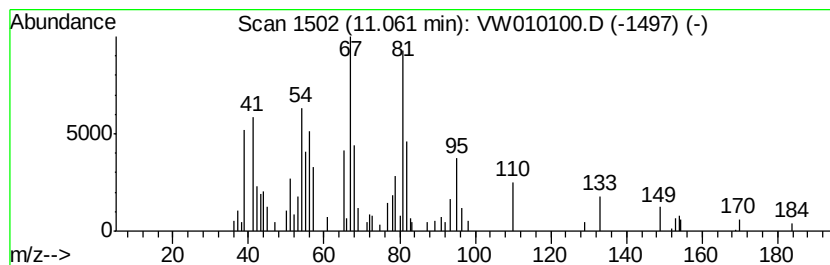
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Quant Title : VOC Analysis

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

Peak Number 5 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	1.59 ug/L	25215	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	45
2		Cyclooctene	110	C8H14	000931-88-4	42
3		E-1,6-Undecadiene	152	C11H20	1000245-71-2	42
4		Bicyclo[5.1.0]octane	110	C8H14	000286-43-1	42
5		1,4-Octadiene	110	C8H14	005675-25-2	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

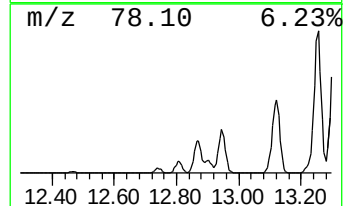
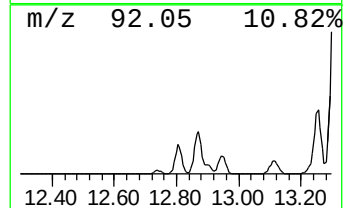
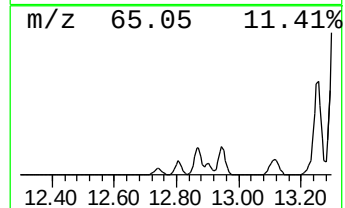
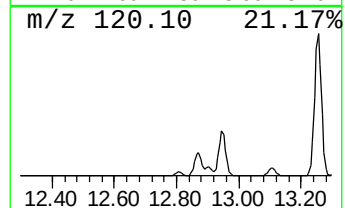
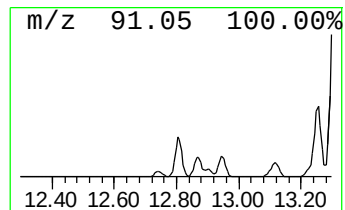
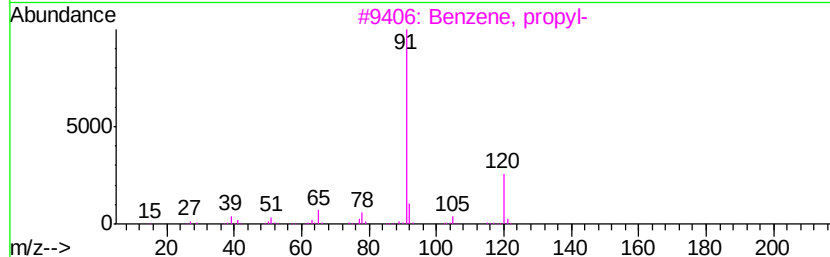
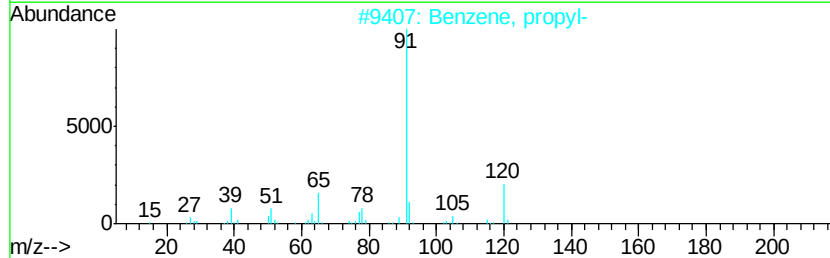
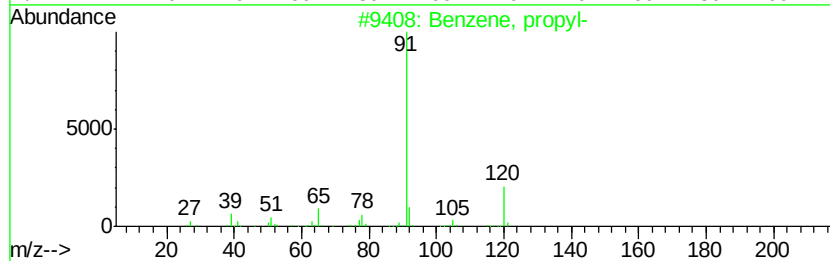
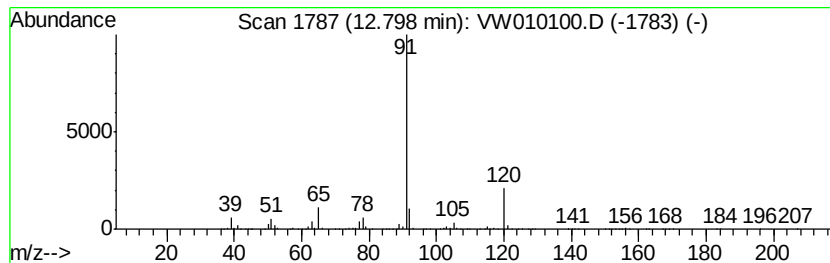
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Quant Title : VOC Analysis

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

Peak Number 6 Benzene, propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	3.33 ug/L	1233430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	90
2		Benzene, propyl-	120	C9H12	000103-65-1	90
3		Benzene, propyl-	120	C9H12	000103-65-1	87
4		Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5		Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

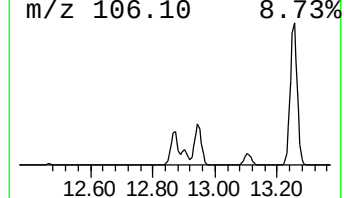
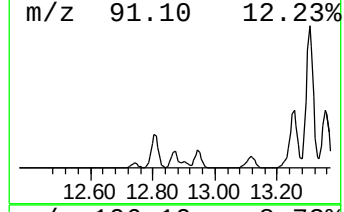
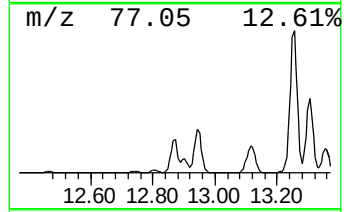
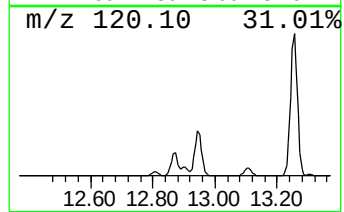
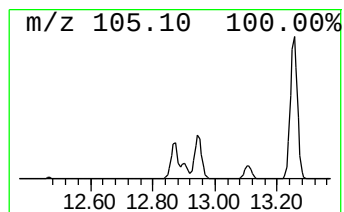
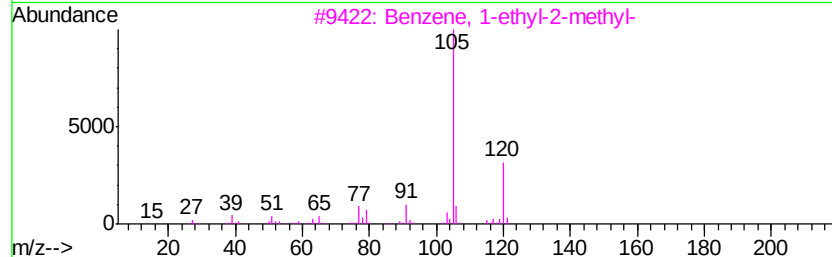
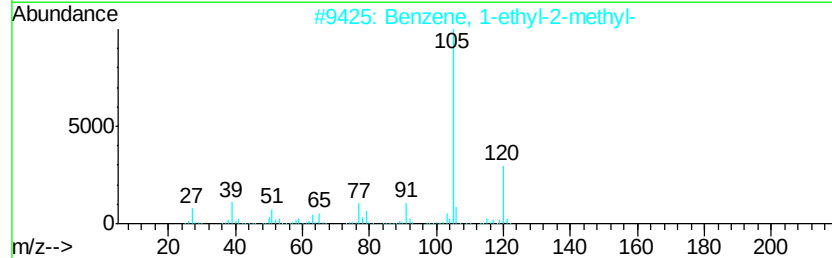
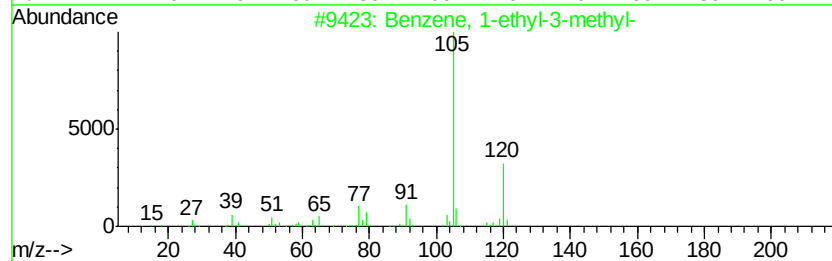
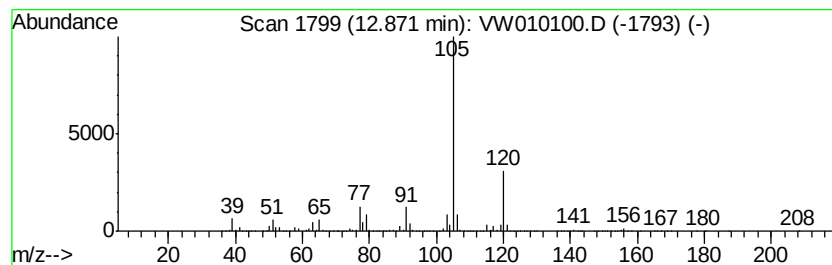
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	17.20 ug/L	6370320	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

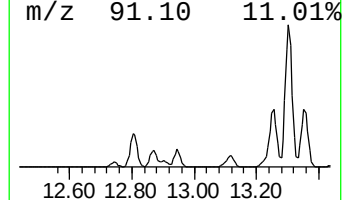
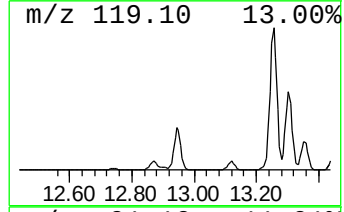
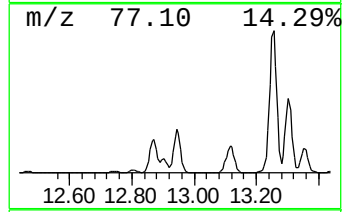
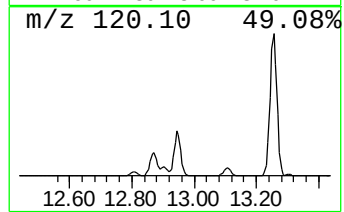
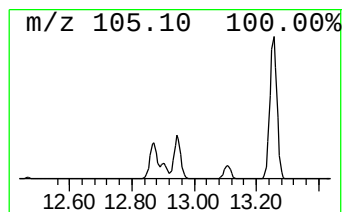
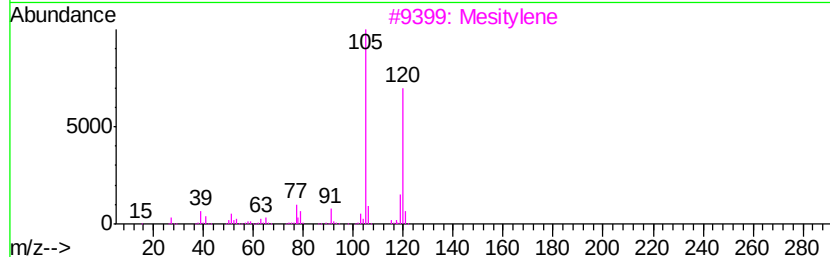
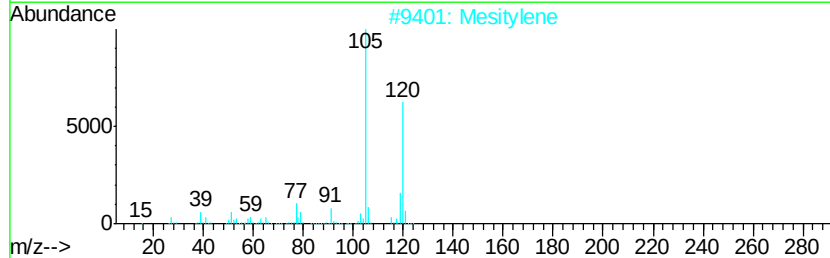
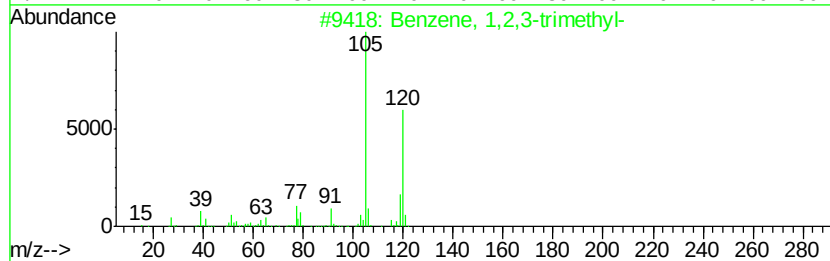
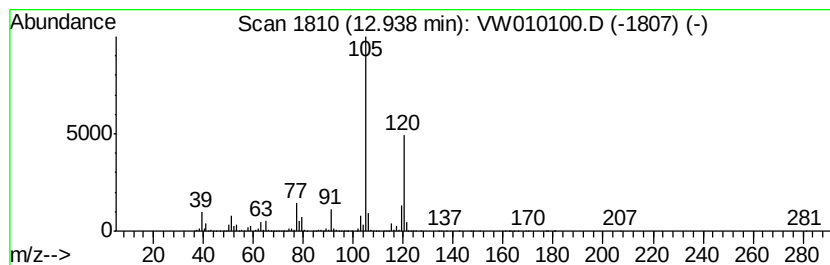
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	22.79 ug/L	8442360	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	95
3		Mesitylene	120	C9H12	000108-67-8	95
4		Mesitylene	120	C9H12	000108-67-8	95
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

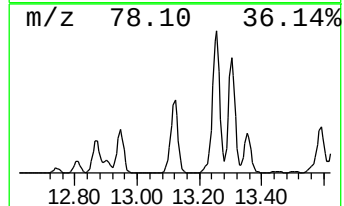
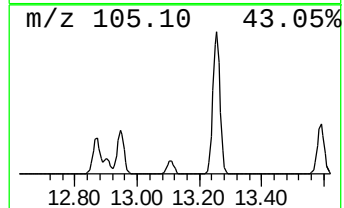
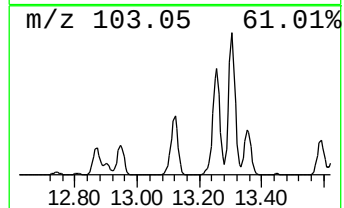
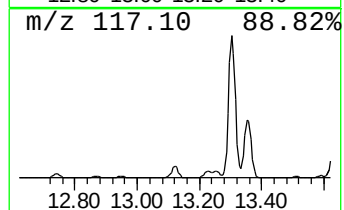
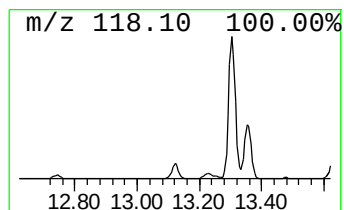
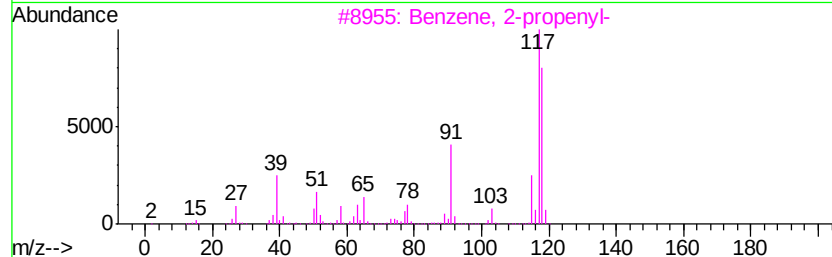
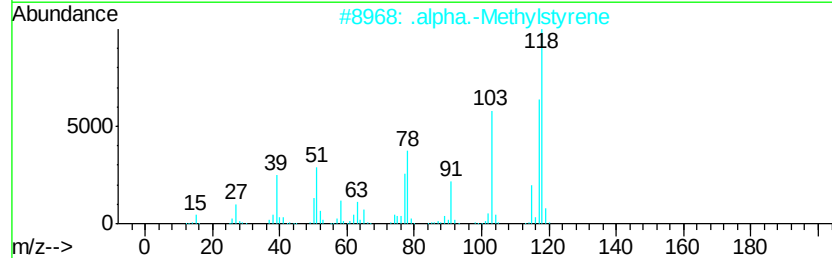
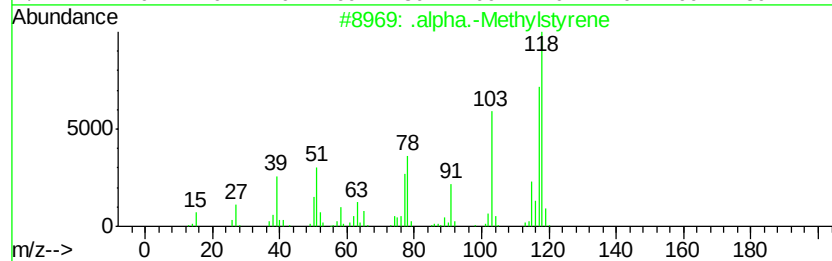
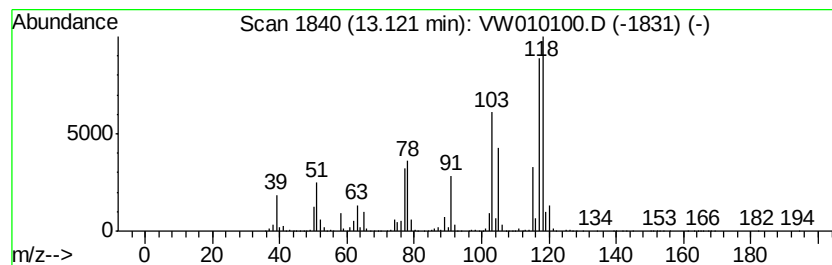
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Quant Title : VOC Analysis

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

Peak Number 9 .alpha.-Methylstyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	15.32 ug/L	5673770	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Methylstyrene	118	C9H10	000098-83-9	89
2		.alpha.-Methylstyrene	118	C9H10	000098-83-9	64
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	50
4		Benzene, 1-propenyl-	118	C9H10	000637-50-3	50
5		Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

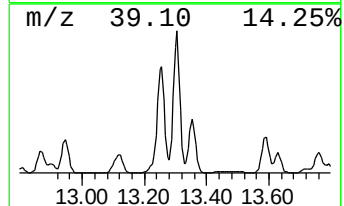
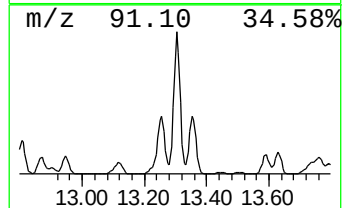
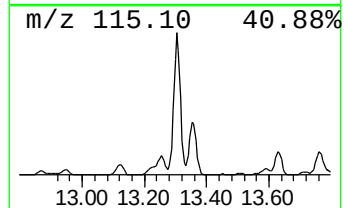
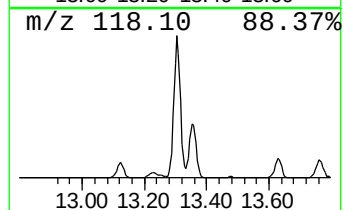
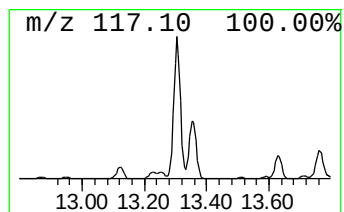
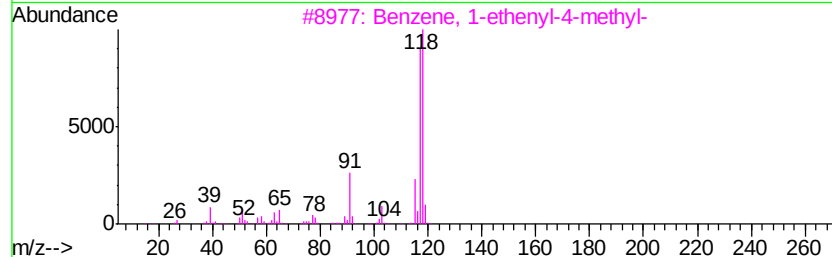
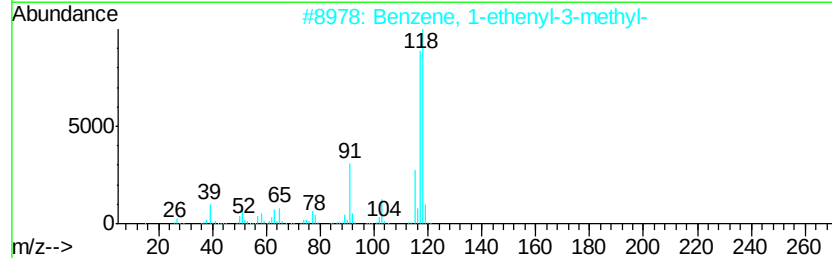
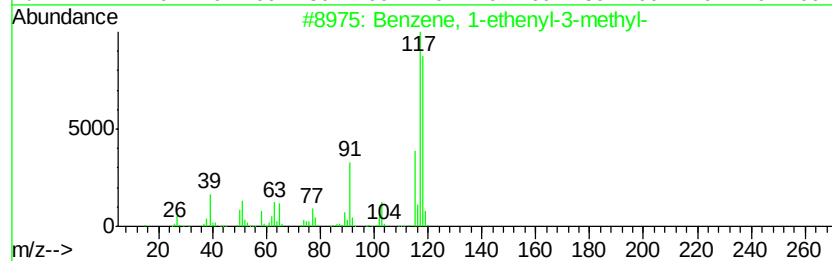
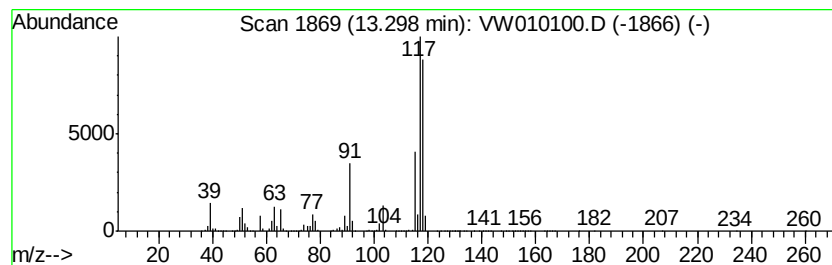
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethenyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	85.65 ug/L	31727000	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

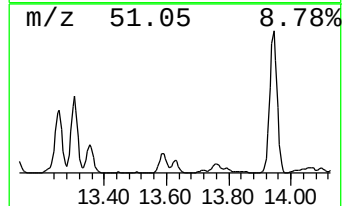
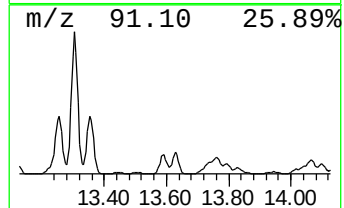
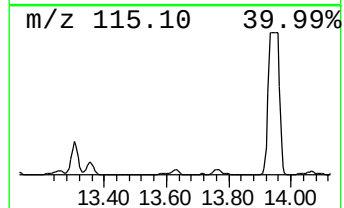
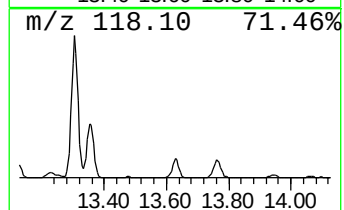
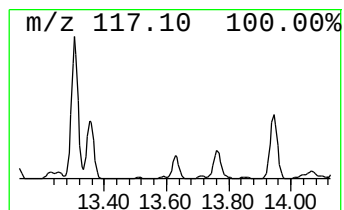
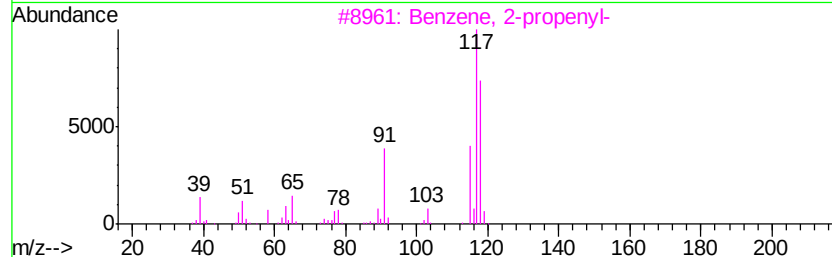
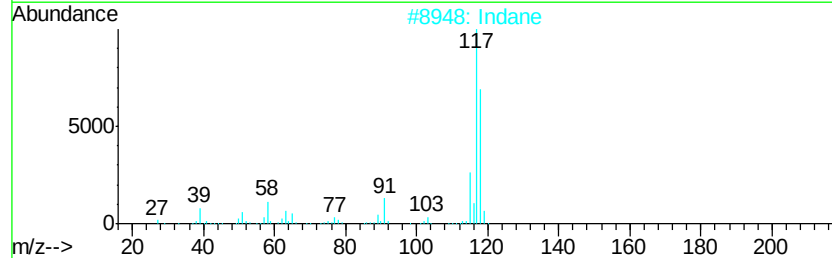
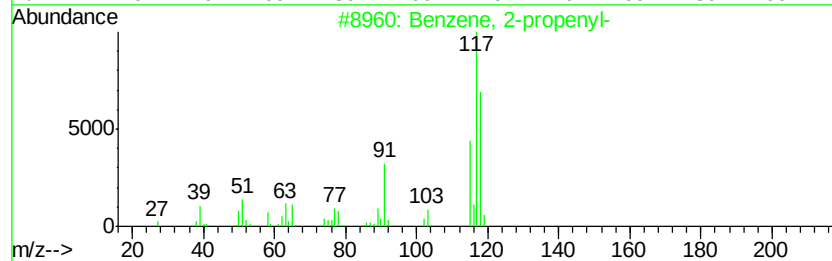
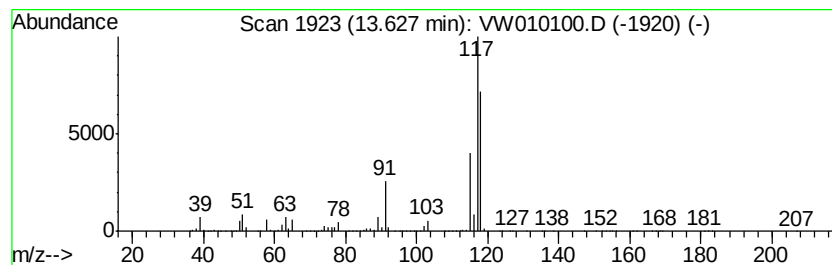
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 2-propenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	12.60 ug/L	4668960	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
2		Indane	118	C9H10	000496-11-7	76
3		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4		Indane	118	C9H10	000496-11-7	76
5		Indane	118	C9H10	000496-11-7	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

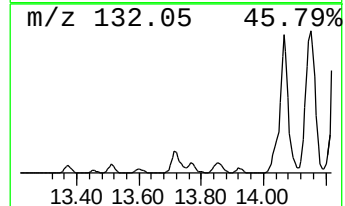
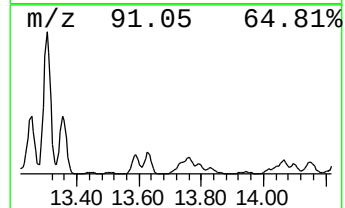
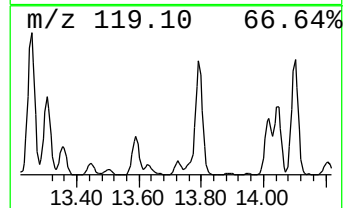
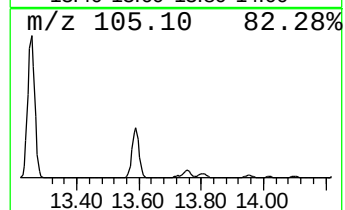
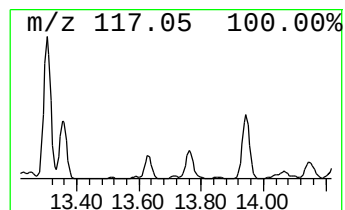
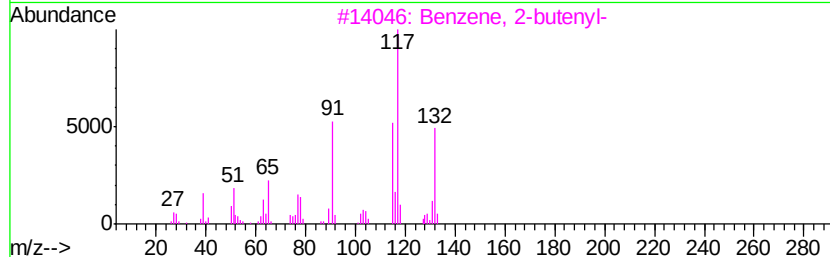
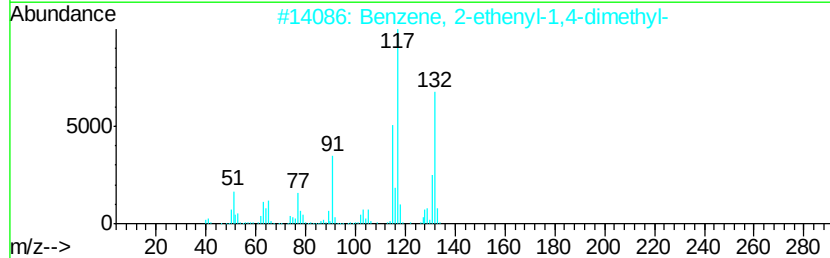
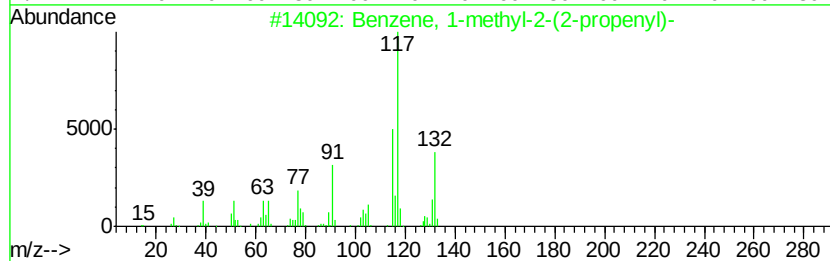
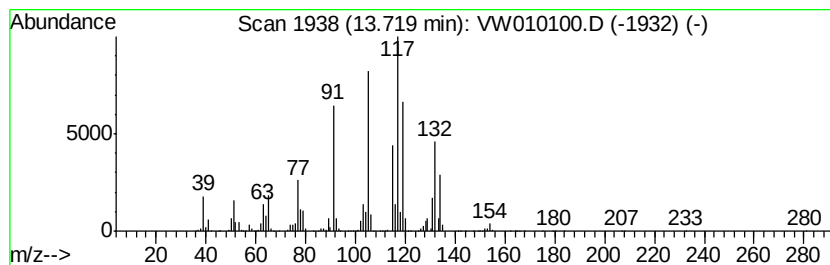
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 1-methyl-2-(2-prop... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	3.15 ug/L	1168530	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	96
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	93
4		2,4-Dimethylstyrene	132	C10H12	002234-20-0	92
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHS2

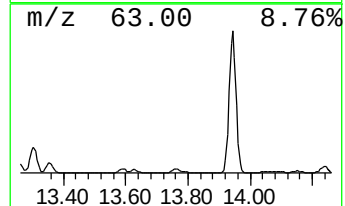
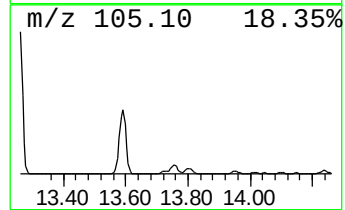
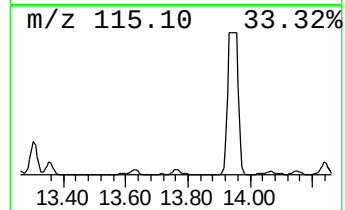
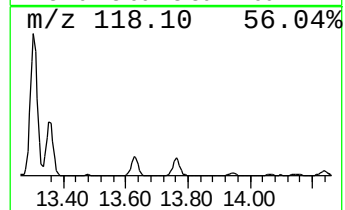
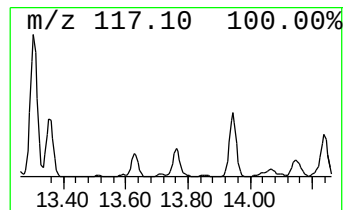
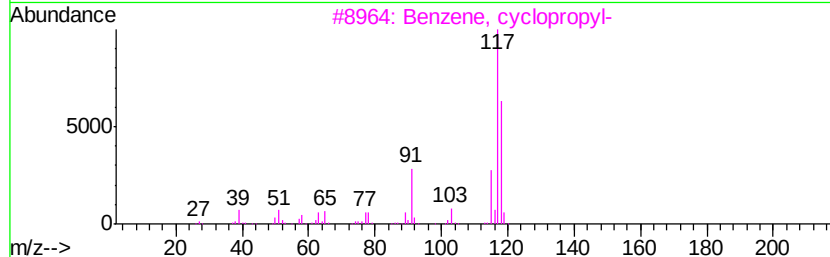
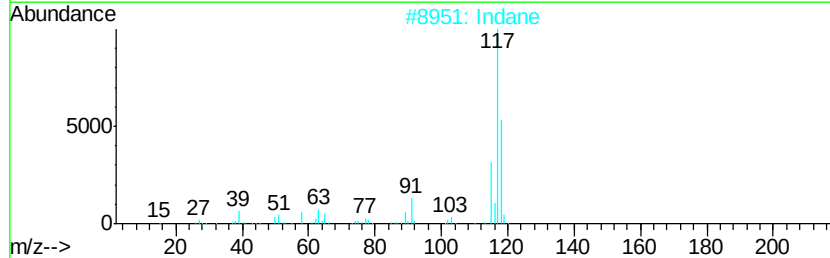
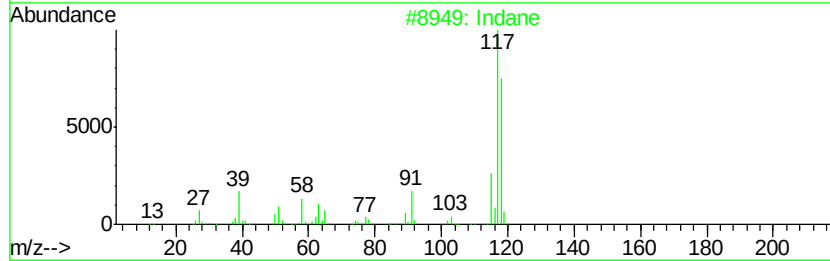
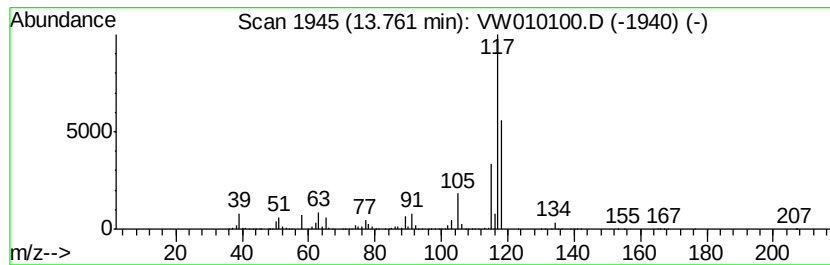
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Quant Title : VOC Analysis

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

Peak Number 16 Indane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	11.90 ug/L	4408150	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	68
2		Indane	118	C9H10	000496-11-7	68
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

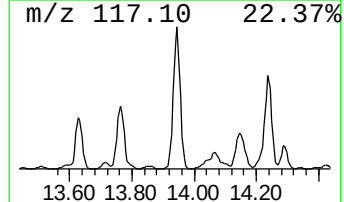
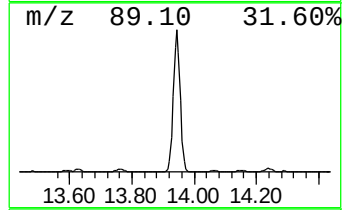
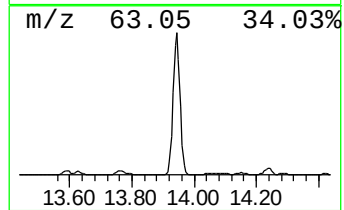
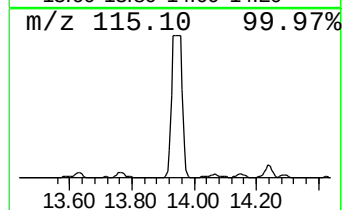
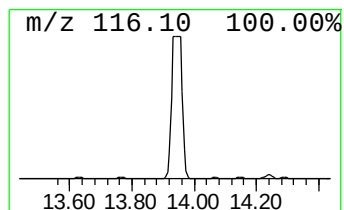
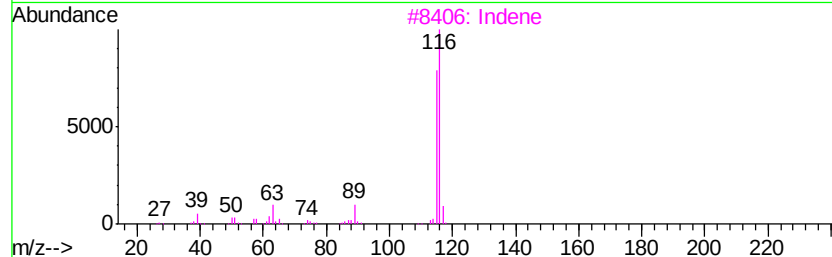
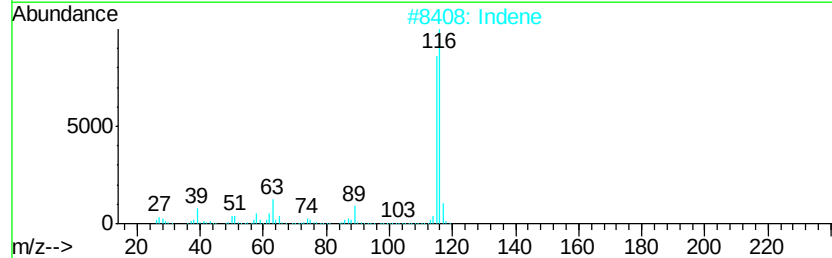
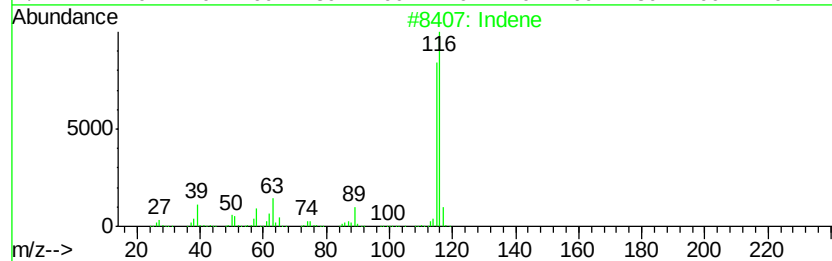
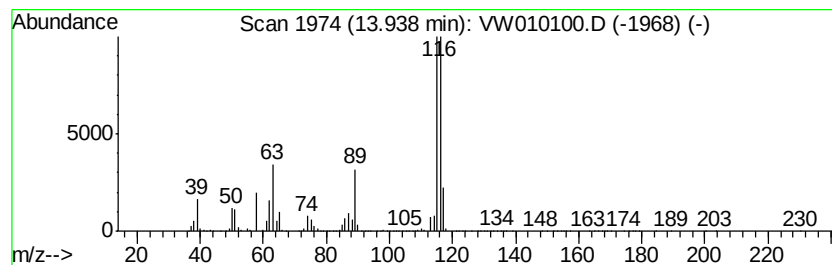
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Quant Title : VOC Analysis

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

Peak Number 17 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	252.64 ug/L	93591100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indene	116	C9H8	000095-13-6	97
2		Indene	116	C9H8	000095-13-6	95
3		Indene	116	C9H8	000095-13-6	94
4		1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	93
5		Benzene, 1-propynyl-	116	C9H8	000673-32-5	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

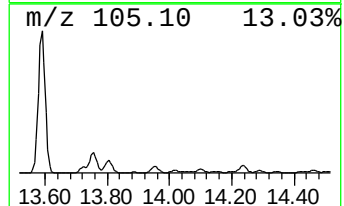
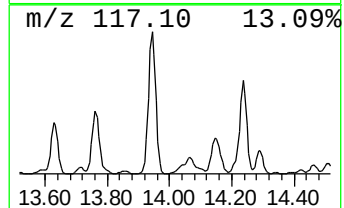
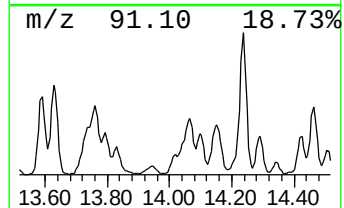
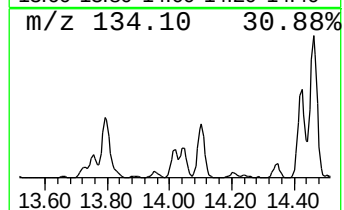
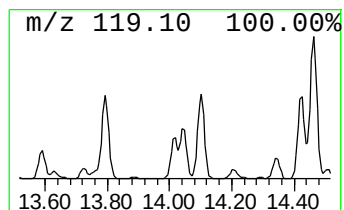
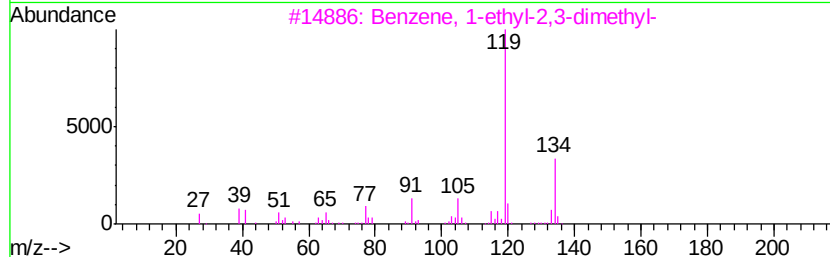
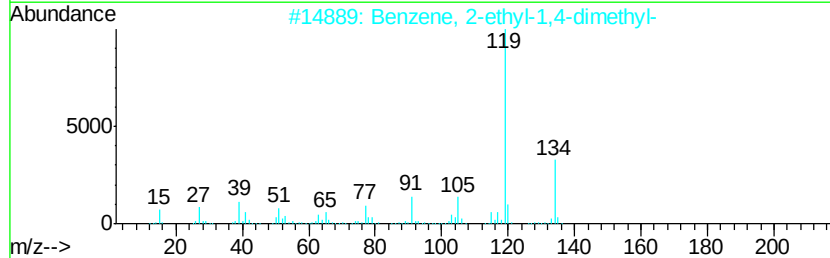
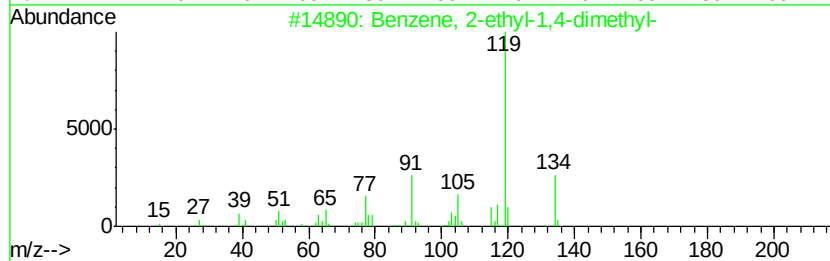
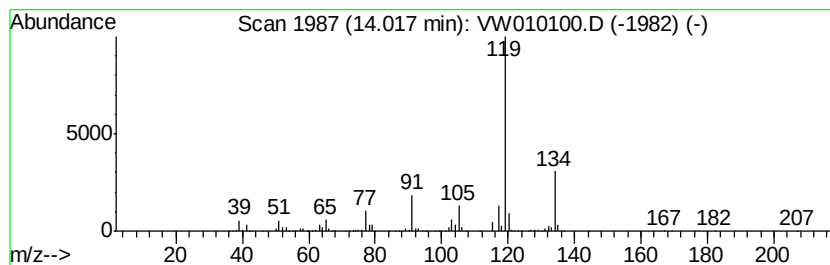
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	2.81 ug/L	1041790	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

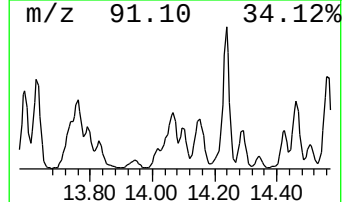
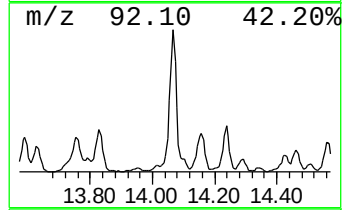
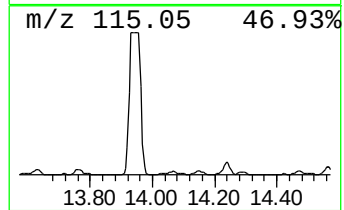
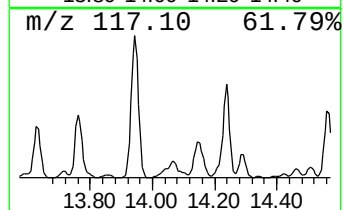
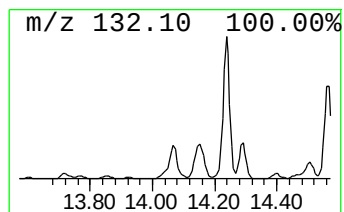
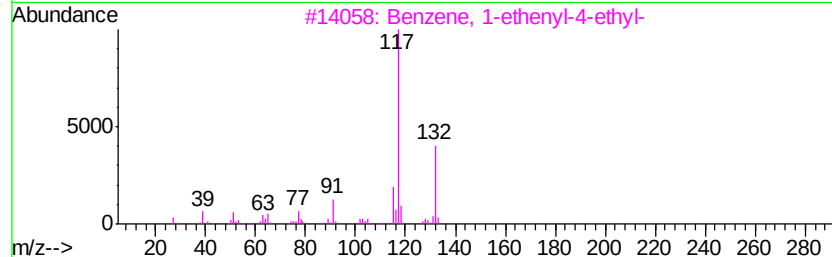
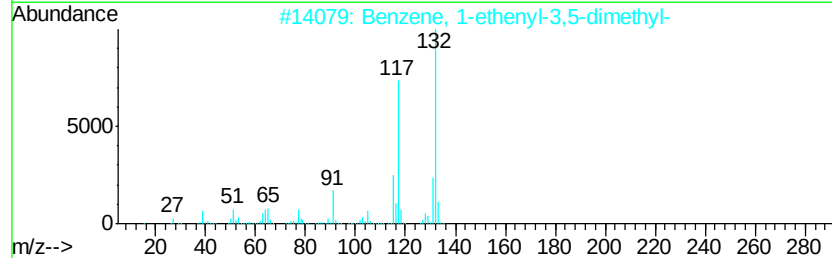
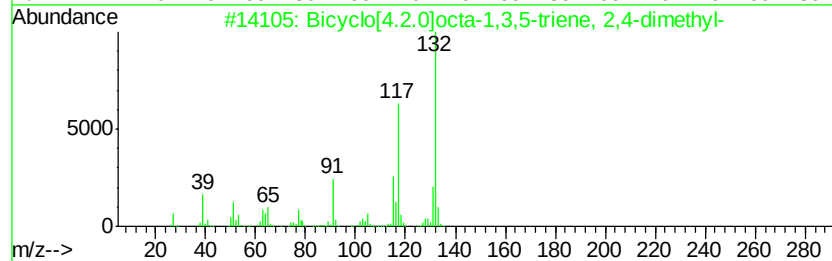
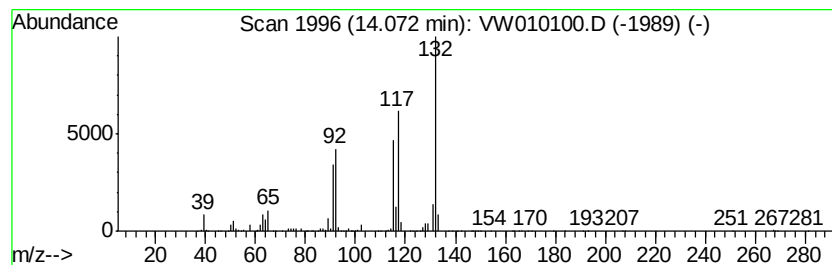
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Quant Title : VOC Analysis

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

Peak Number 19 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	9.38 ug/L	3475960	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
2		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	70
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5		1,1-Cyclopropanedicarbonitrile, ...	210	C14H14N2	074764-41-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHS2

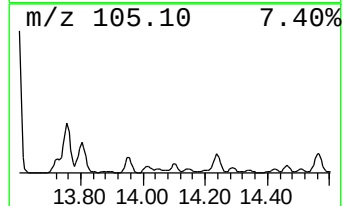
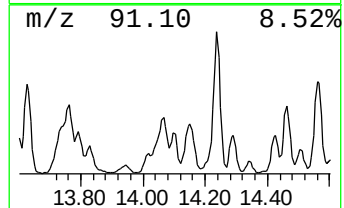
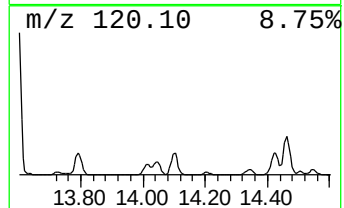
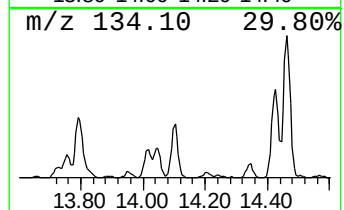
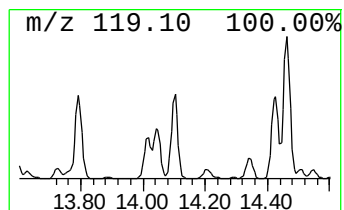
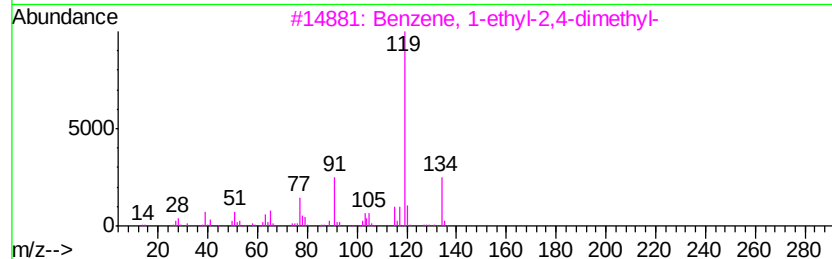
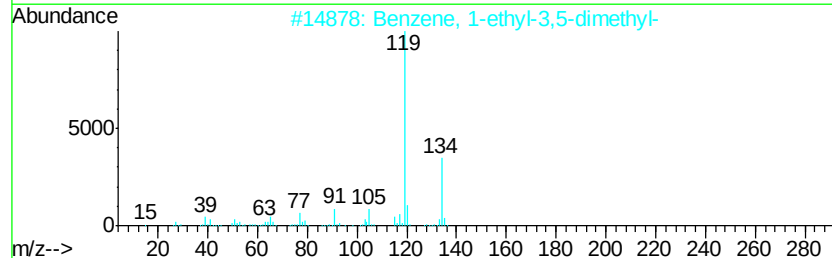
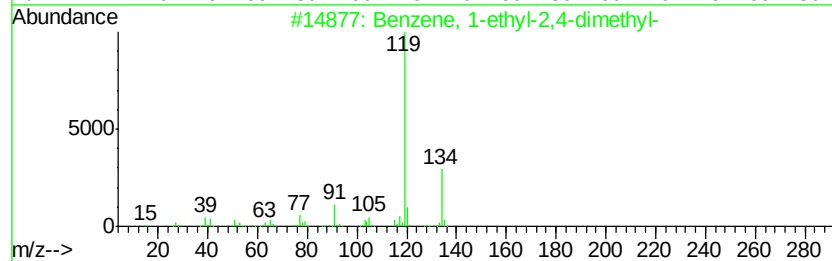
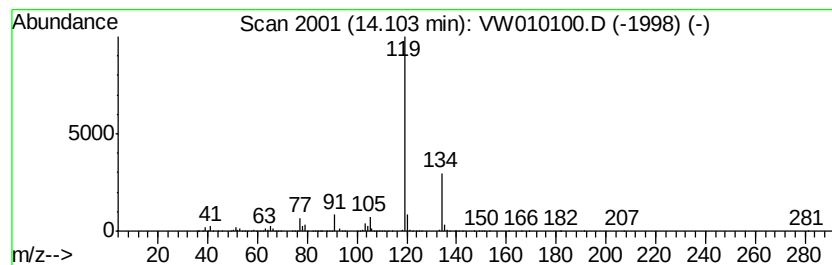
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	4.50 ug/L	1665960	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

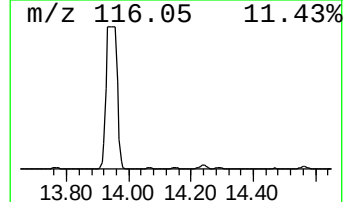
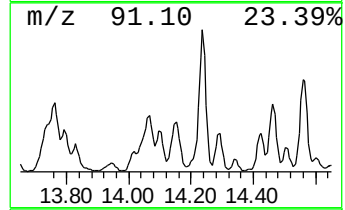
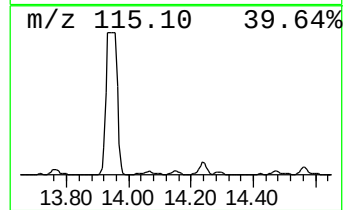
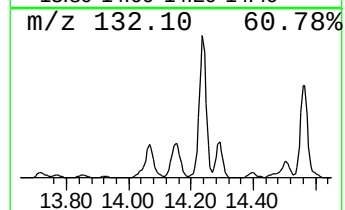
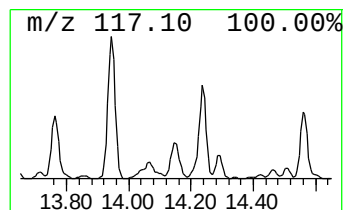
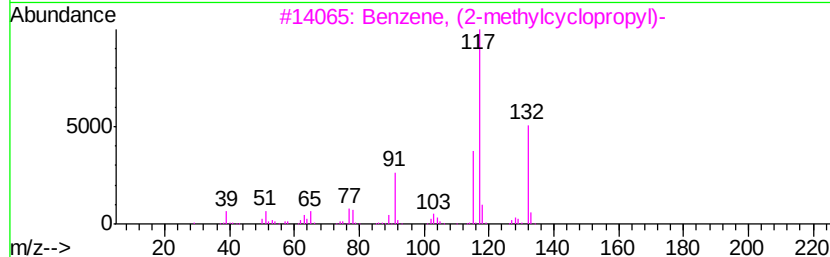
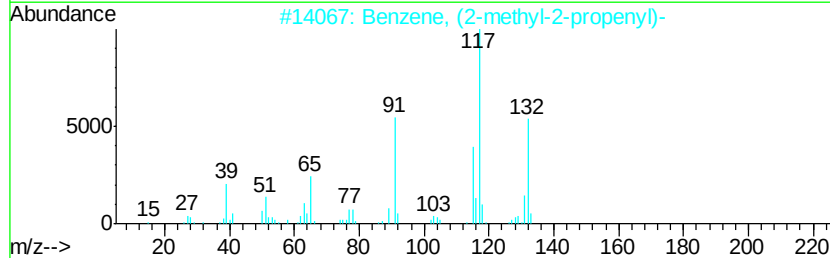
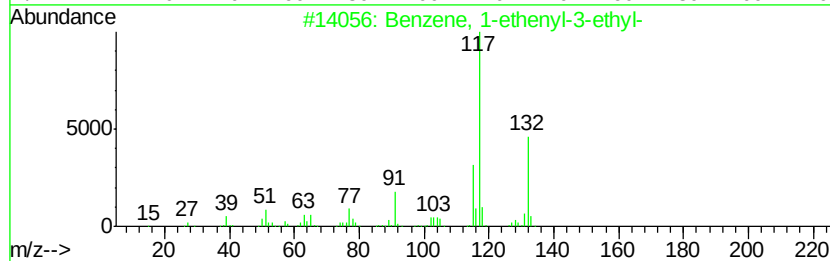
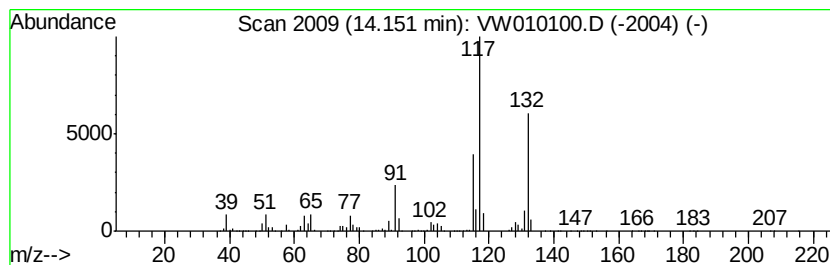
Instrument :
MSVOA_W
ClientSampleId :
GAHS2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.15	10.02 ug/L	3712220	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	94
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
5	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

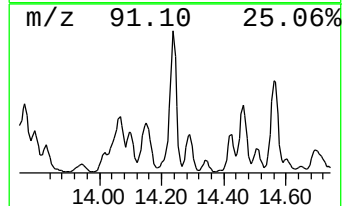
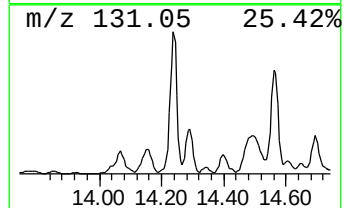
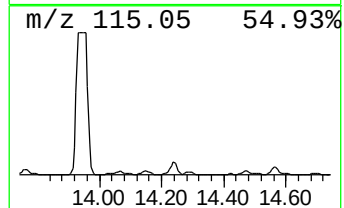
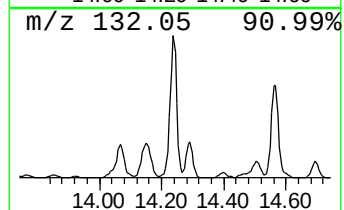
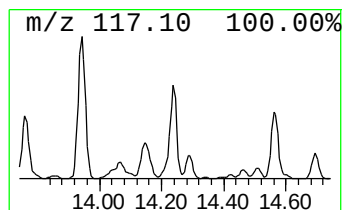
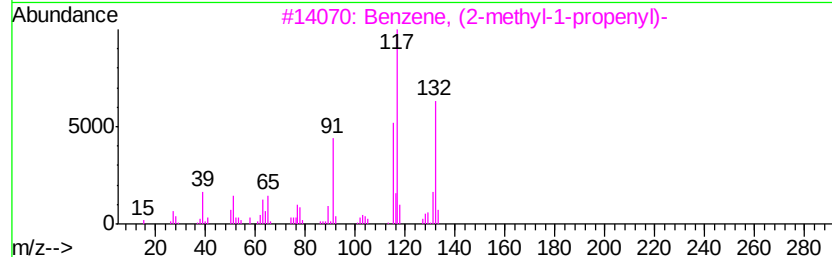
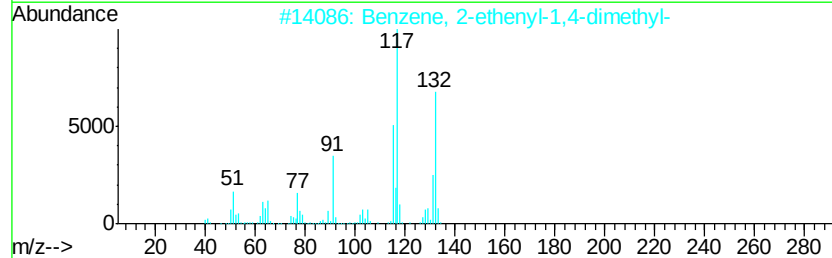
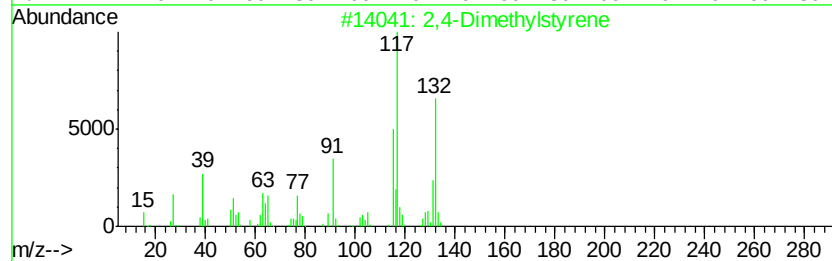
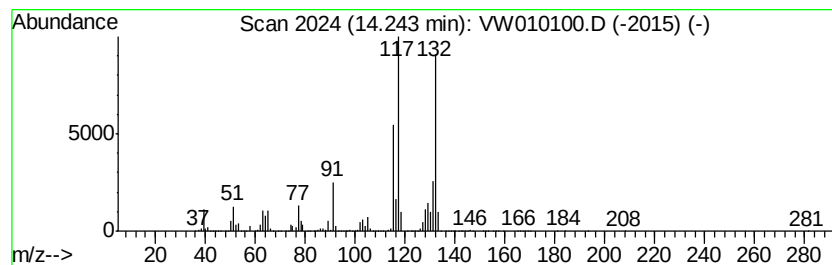
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Quant Title : VOC Analysis

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

Peak Number 22 2,4-Dimethylstyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	30.85 ug/L	11429900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	95
5		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

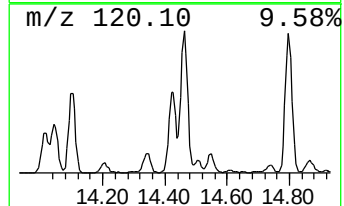
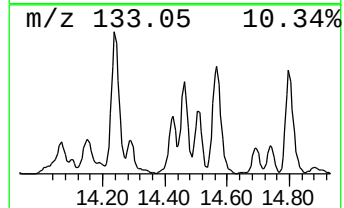
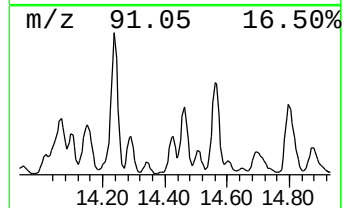
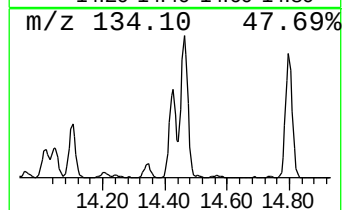
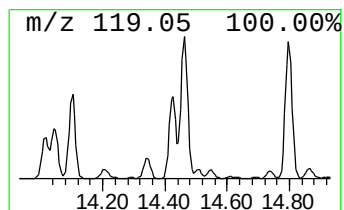
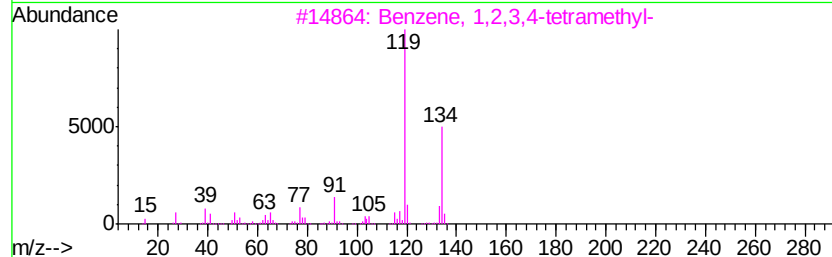
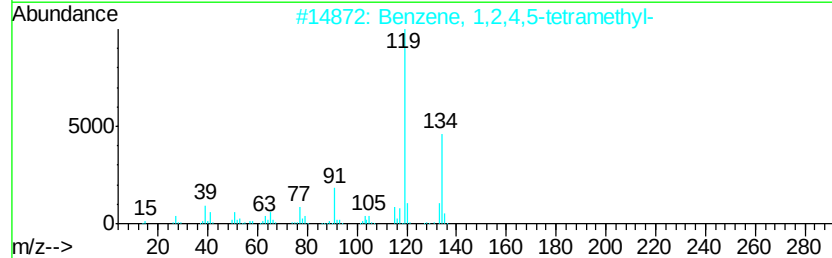
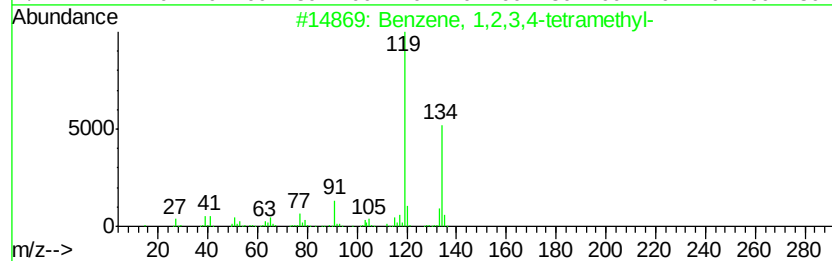
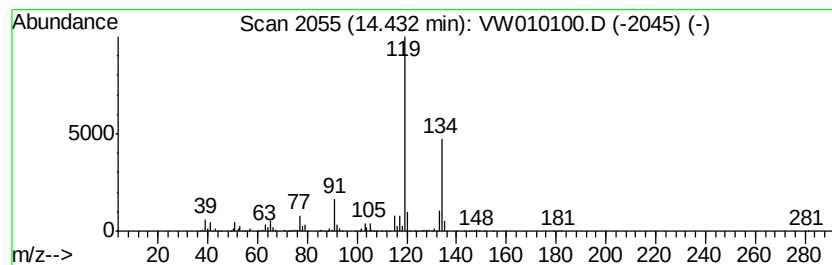
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	7.95 ug/L	2944640	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

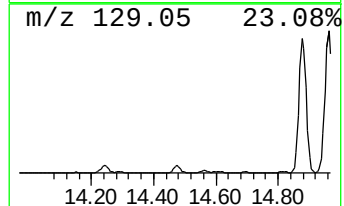
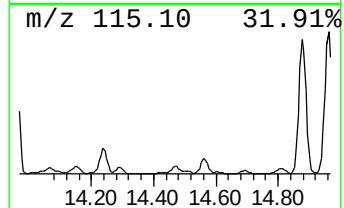
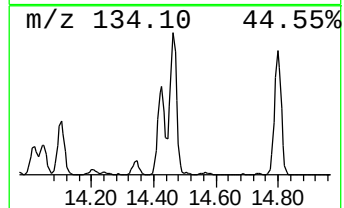
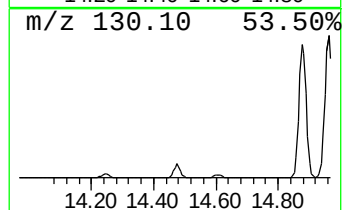
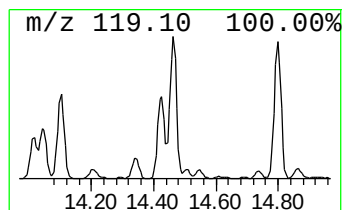
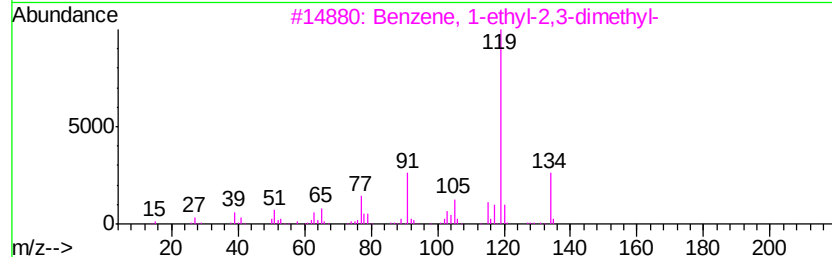
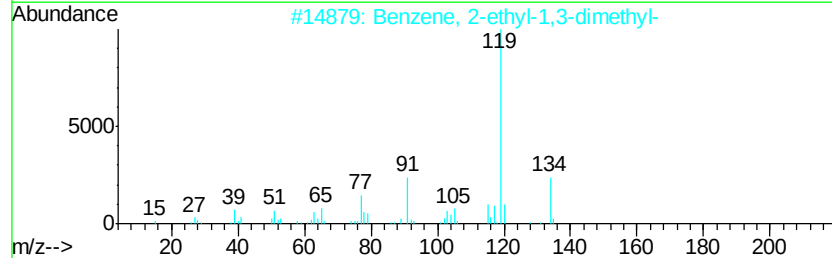
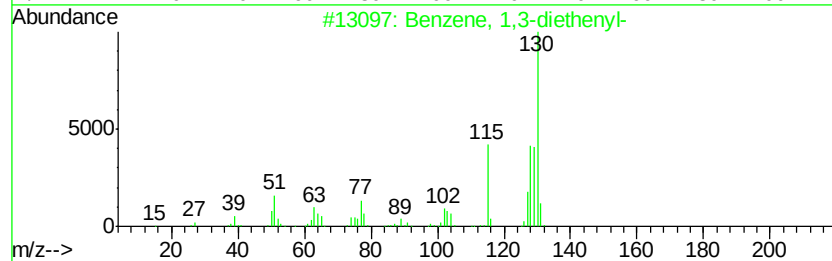
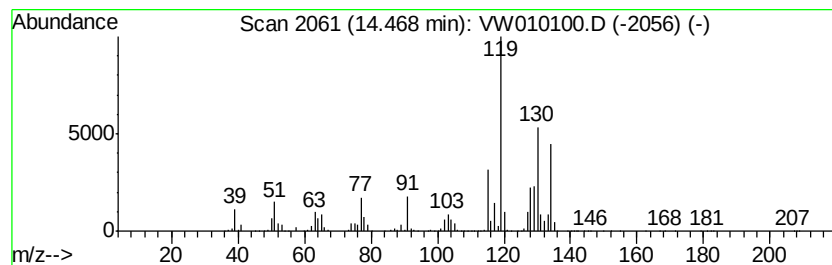
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,3-diethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	13.92 ug/L	5156060	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethenyl-	130	C10H10	000108-57-6	68
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	55
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	55
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

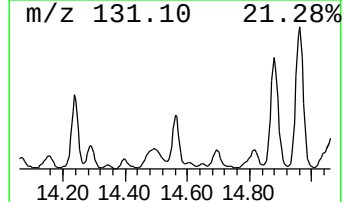
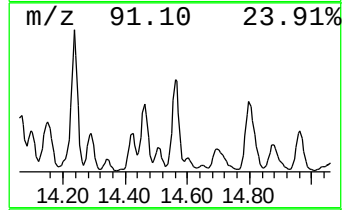
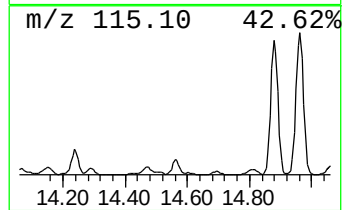
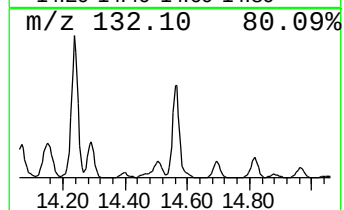
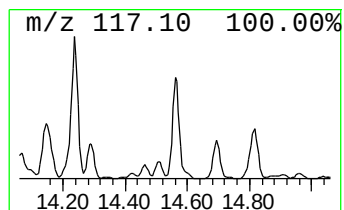
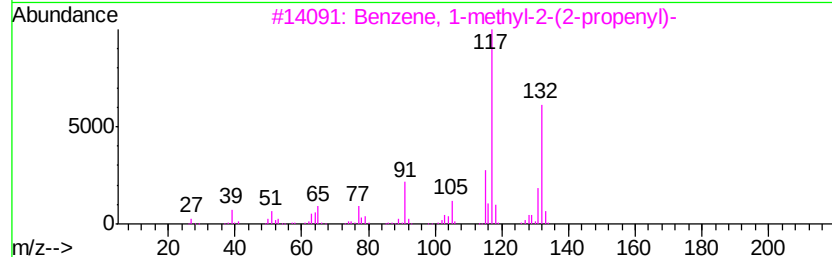
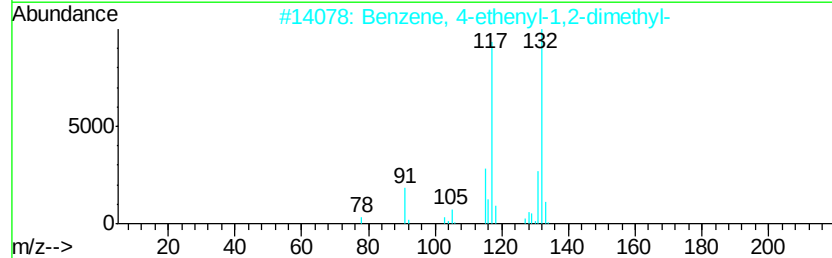
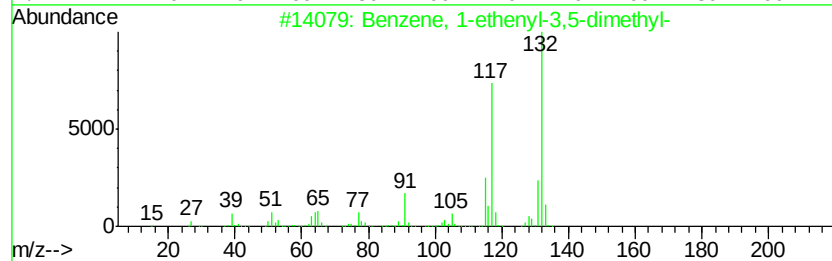
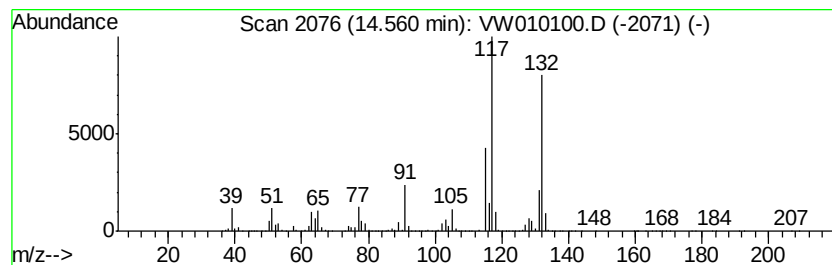
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	19.00 ug/L	7038360	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	97
2		Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	95
4		Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94
5		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

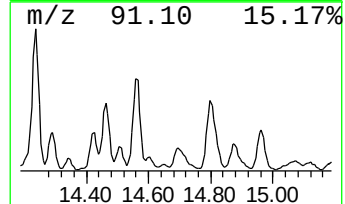
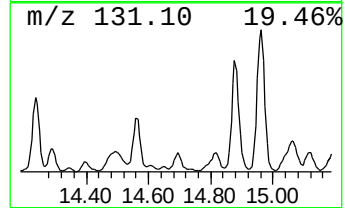
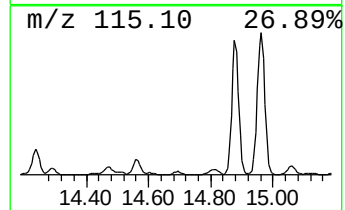
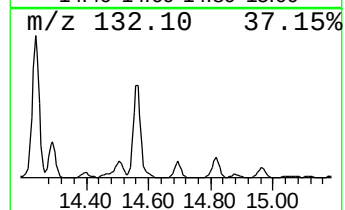
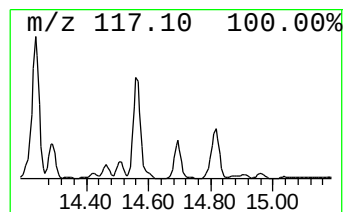
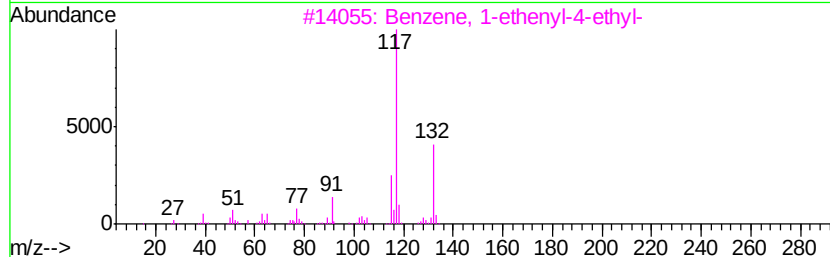
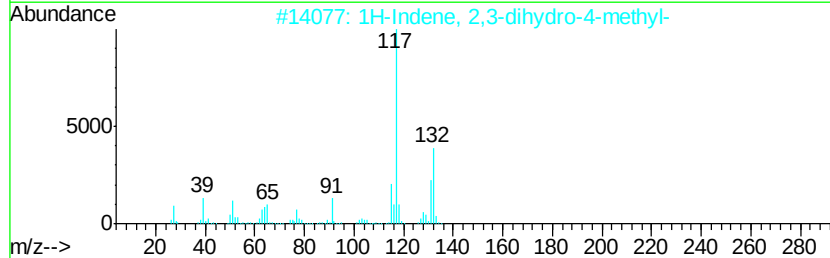
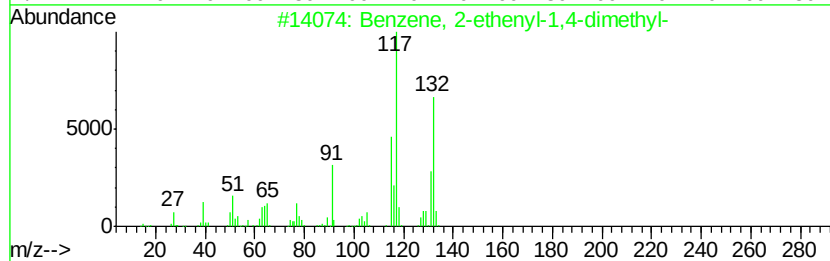
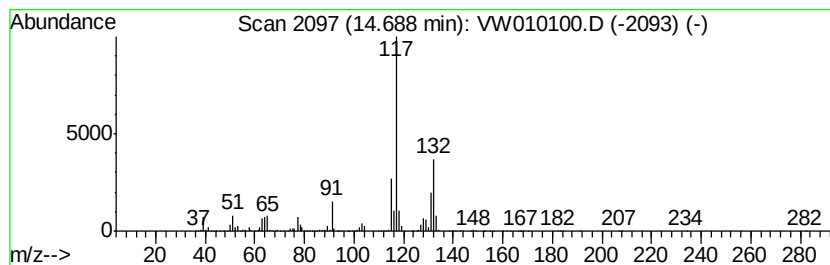
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.52 ug/L	2043680	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
3		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

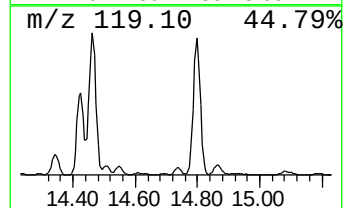
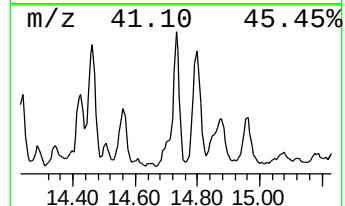
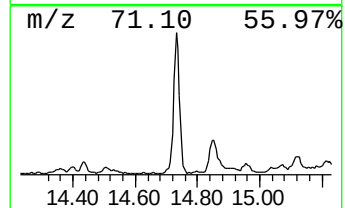
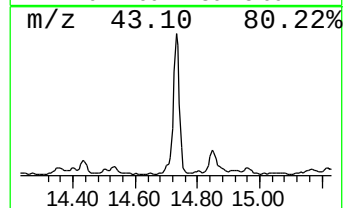
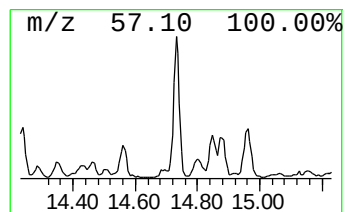
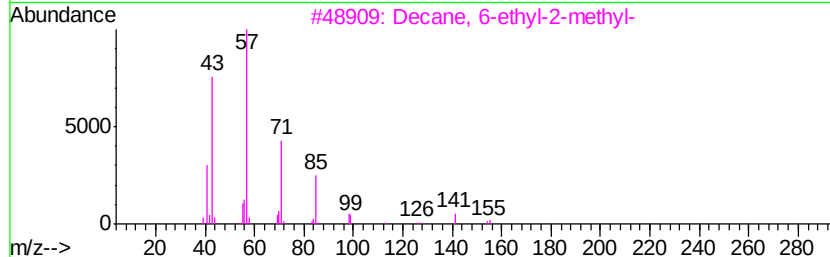
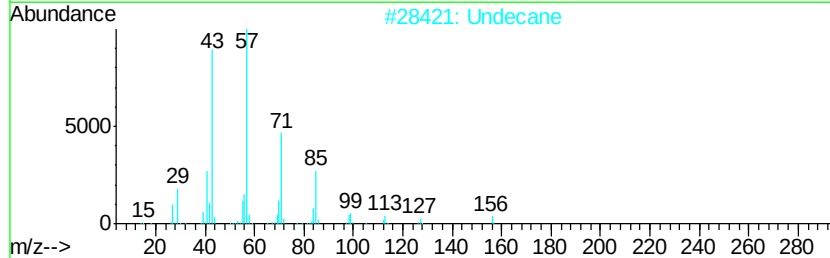
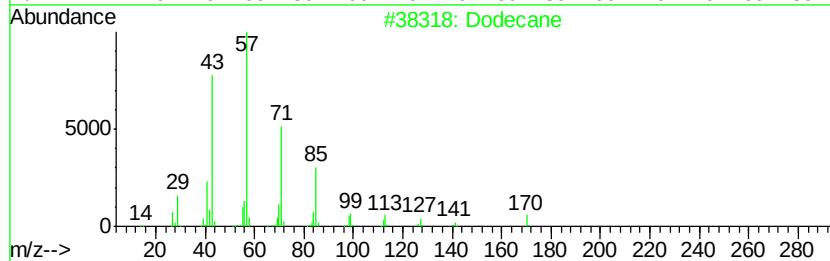
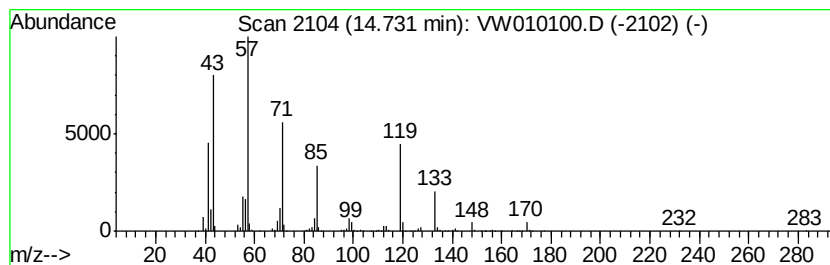
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.36 ug/L	874448	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	49
2		Undecane	156	C11H24	001120-21-4	46
3		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	43
4		Decane, 3-methyl-	156	C11H24	013151-34-3	43
5		Tridecane	184	C13H28	000629-50-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

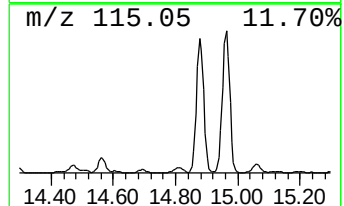
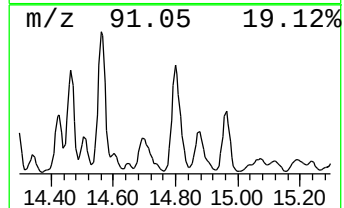
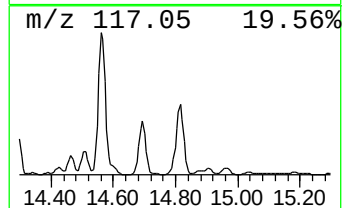
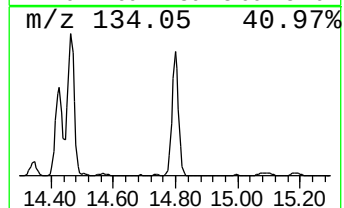
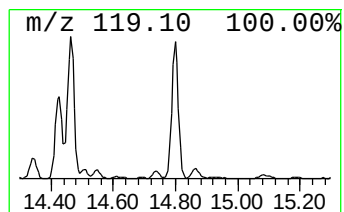
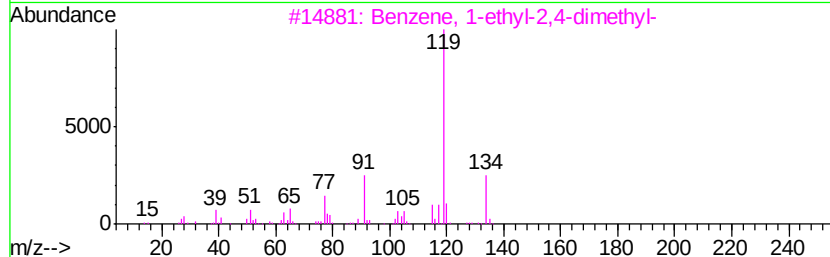
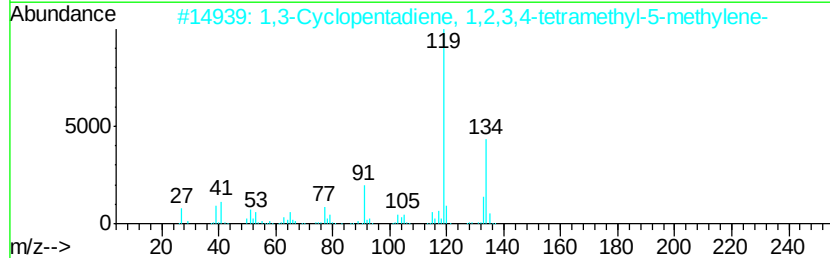
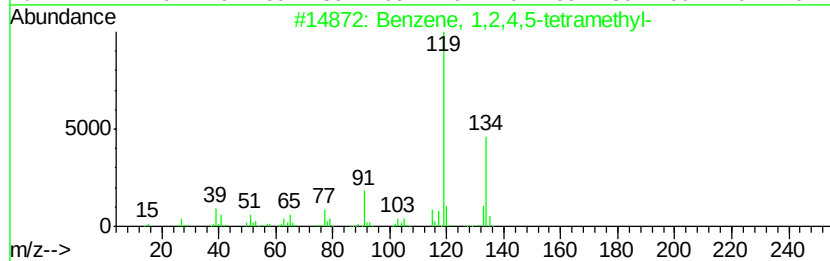
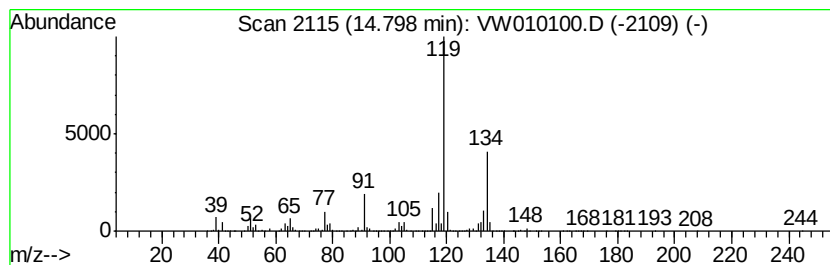
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	18.61 ug/L	6892640	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	90
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

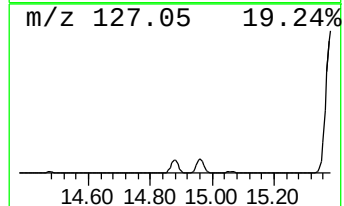
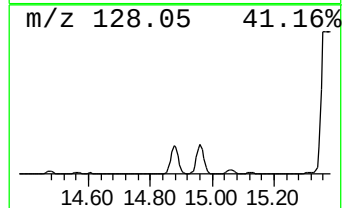
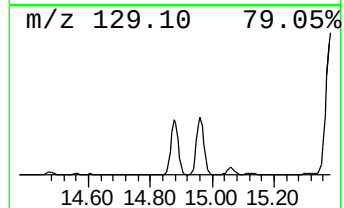
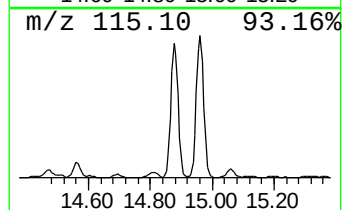
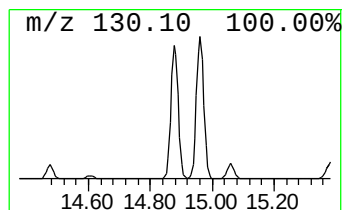
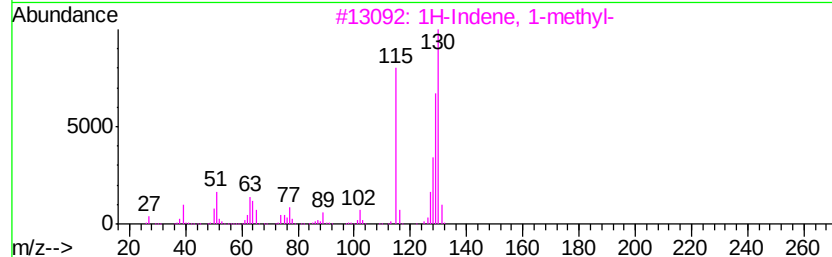
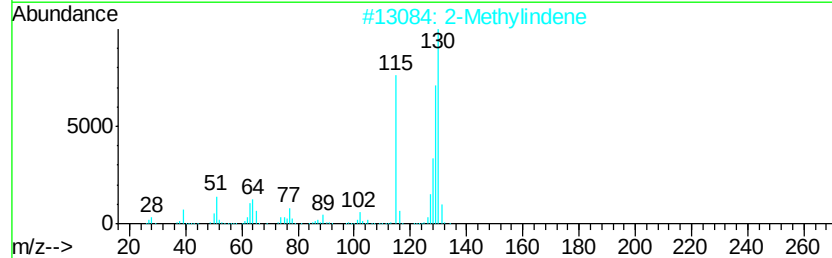
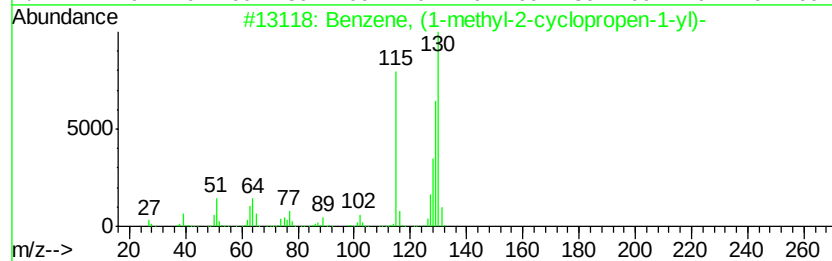
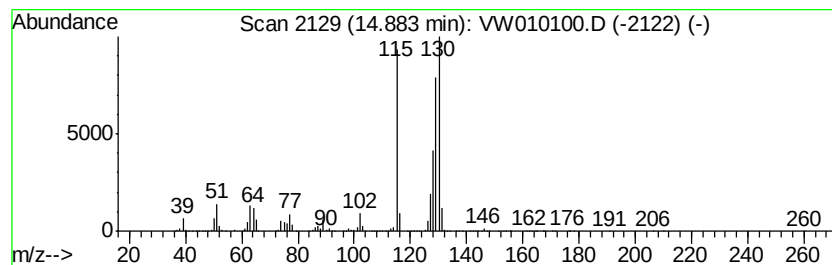
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, (1-methyl-2-cyclop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	90.72 ug/L	33608700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

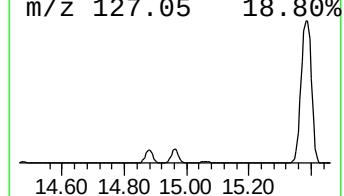
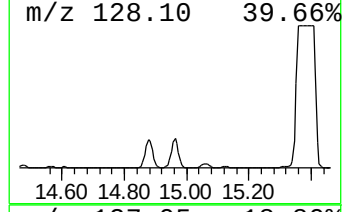
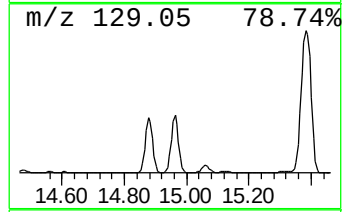
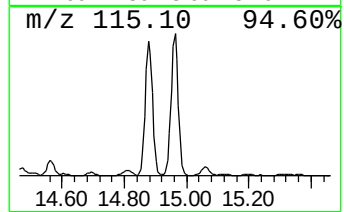
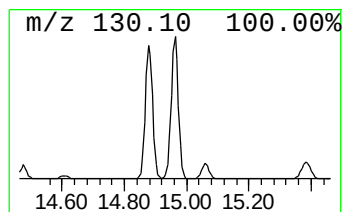
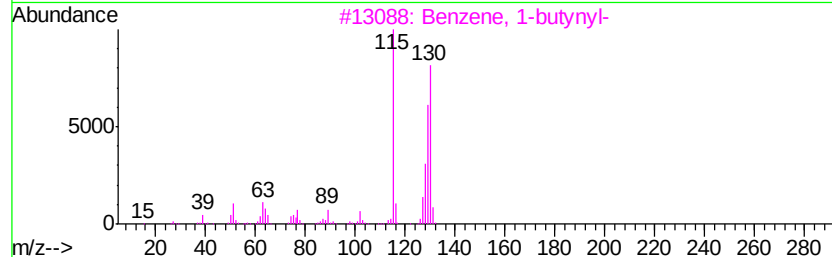
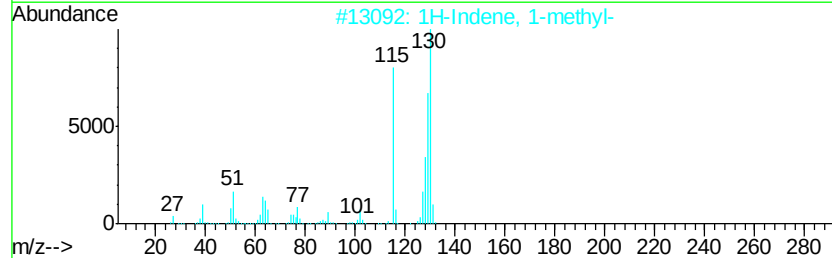
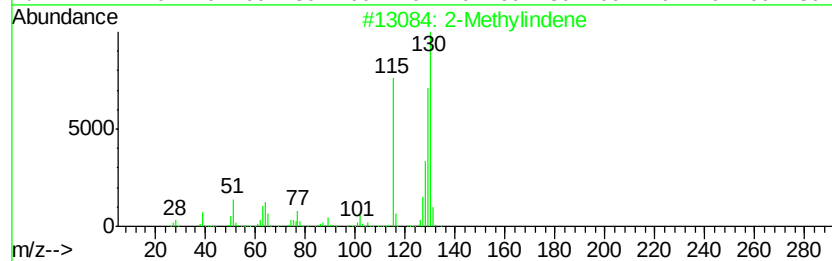
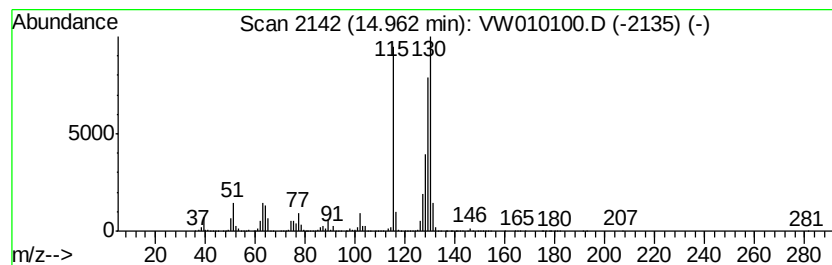
Instrument :
MSVOA_W
ClientSampleId :
GAHS2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 32 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.96	100.79 ug/L	37338200	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

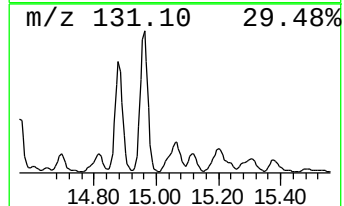
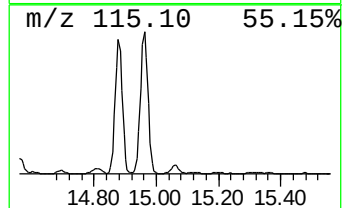
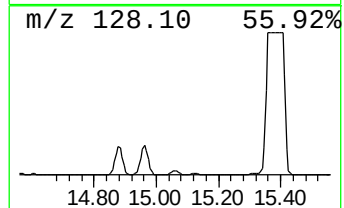
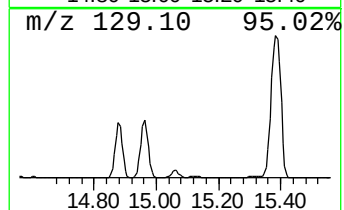
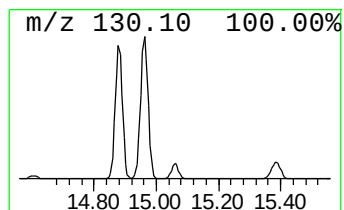
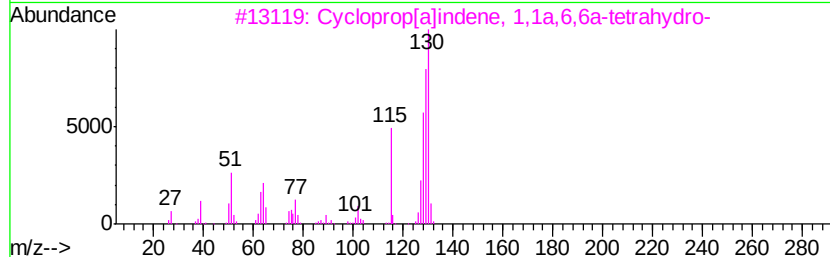
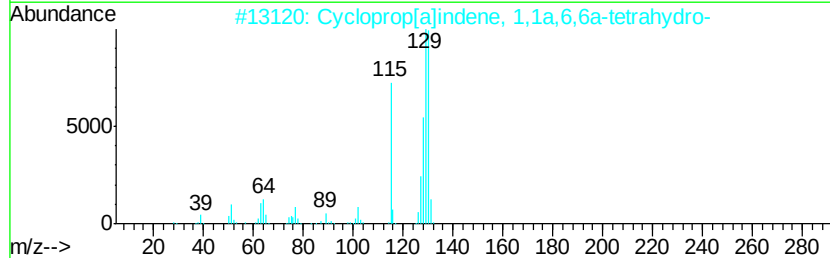
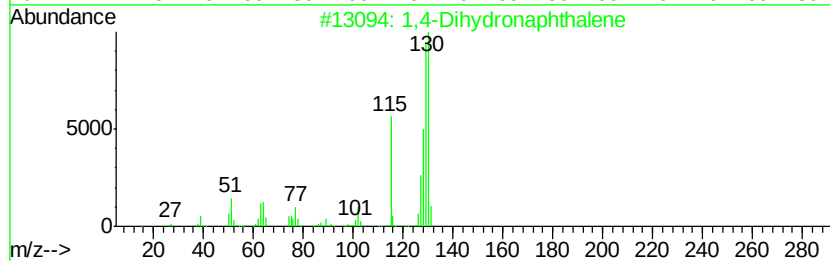
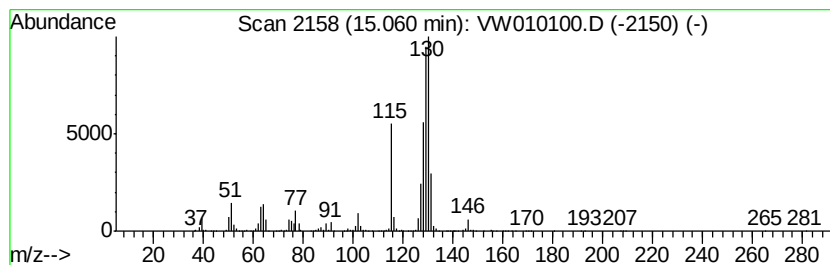
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Quant Title : VOC Analysis

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

Peak Number 33 1,4-Dihydronaphthalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	12.74 ug/L	4721290	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
4		Cycloprop[alindene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5		Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

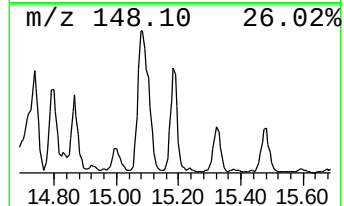
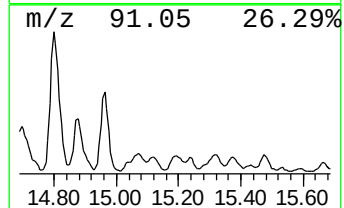
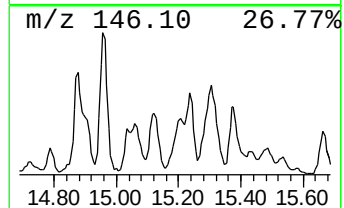
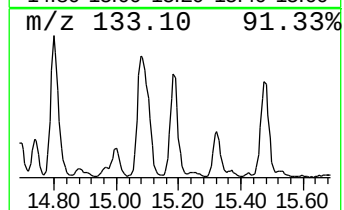
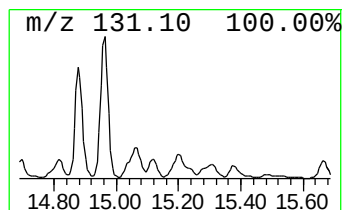
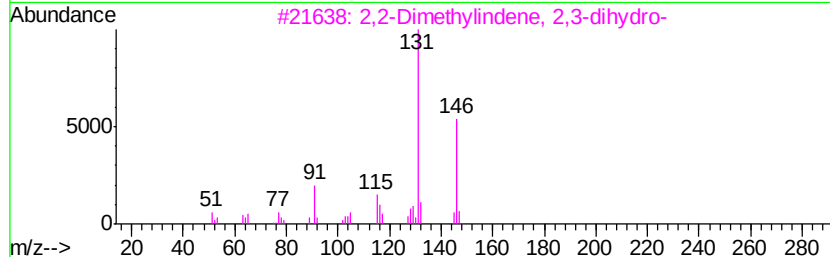
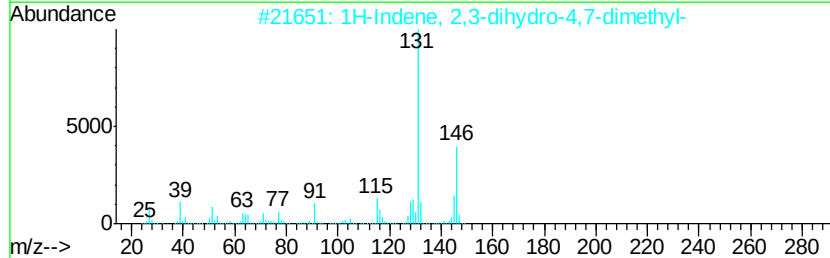
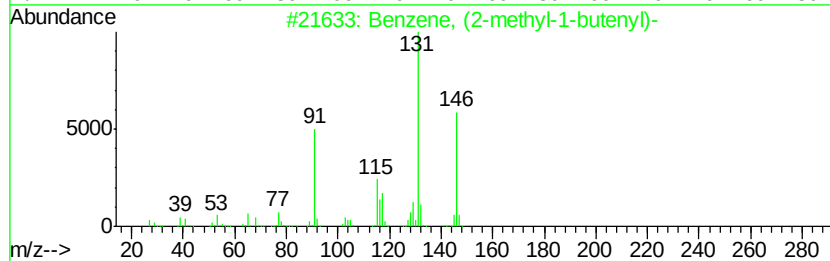
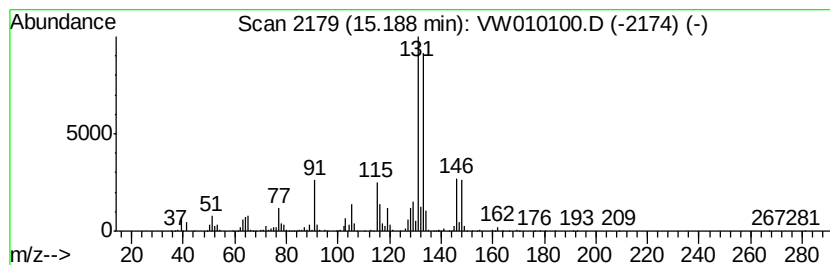
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, (2-methyl-1-butenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.07 ug/L	1138570	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	92
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

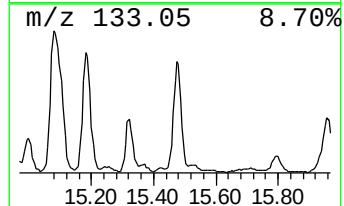
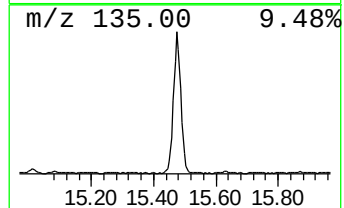
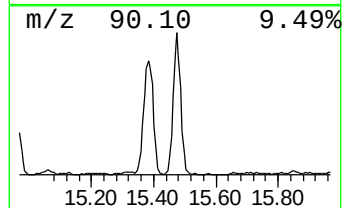
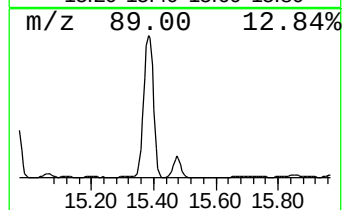
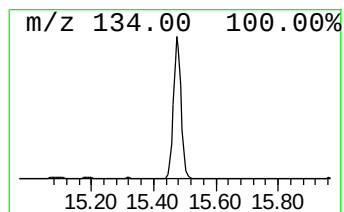
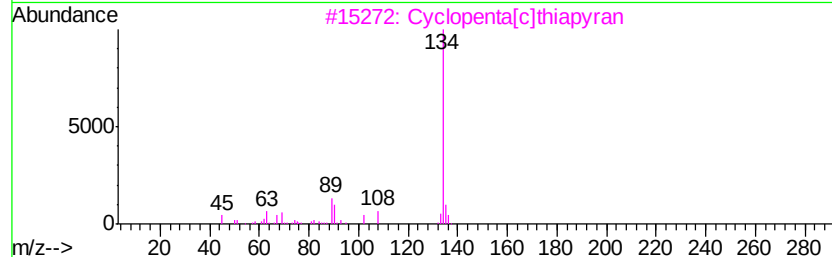
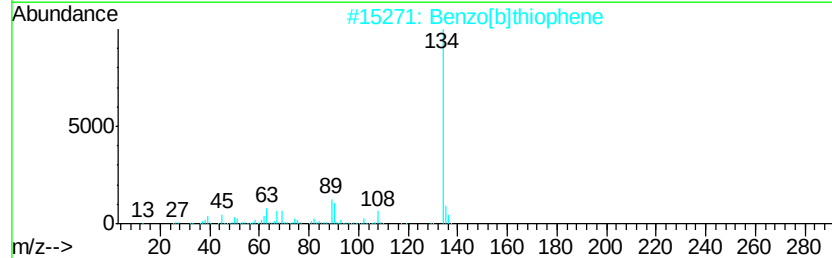
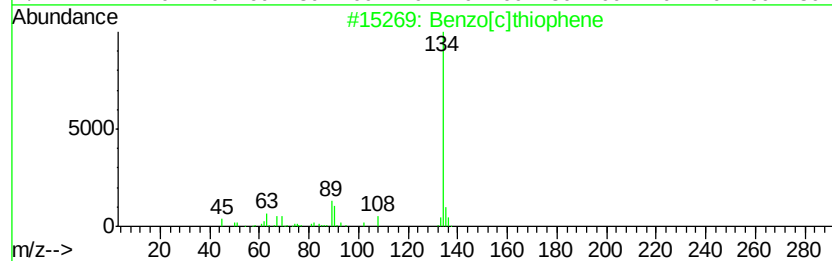
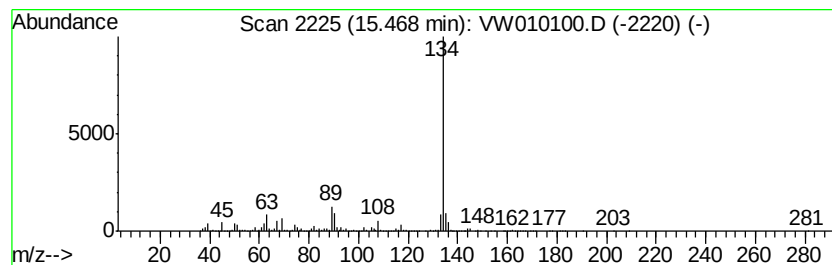
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Quant Title : VOC Analysis

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

Peak Number 37 Benzo[c]thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.07 ug/L	3361150	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2		Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3		Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4		Benzo[b]thiophene	134	C8H6S	000095-15-8	91
5		Benzo[b]thiophene	134	C8H6S	000095-15-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

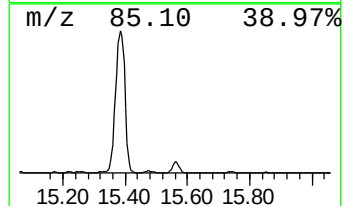
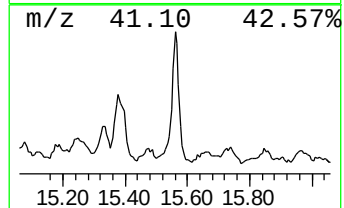
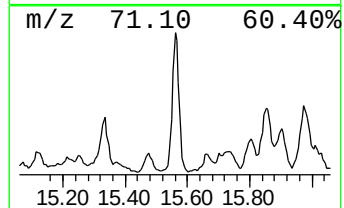
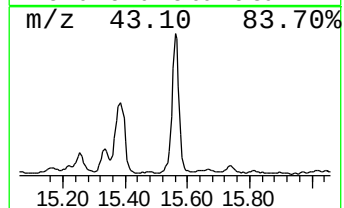
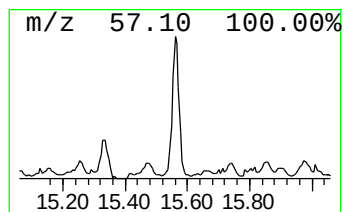
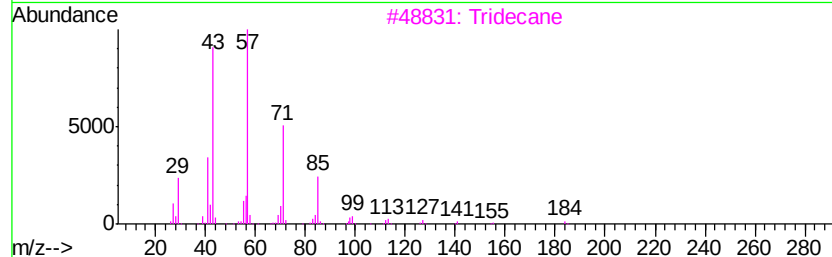
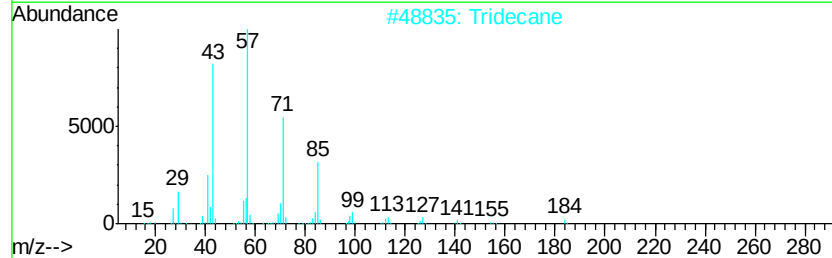
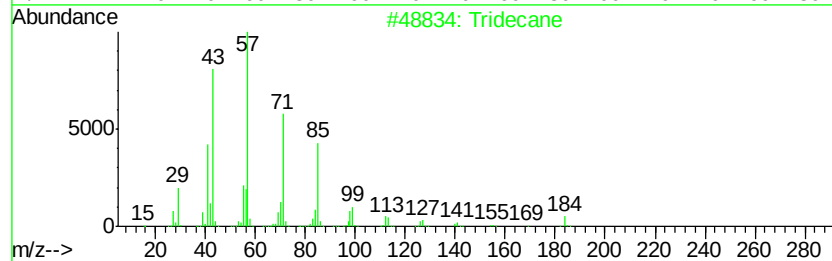
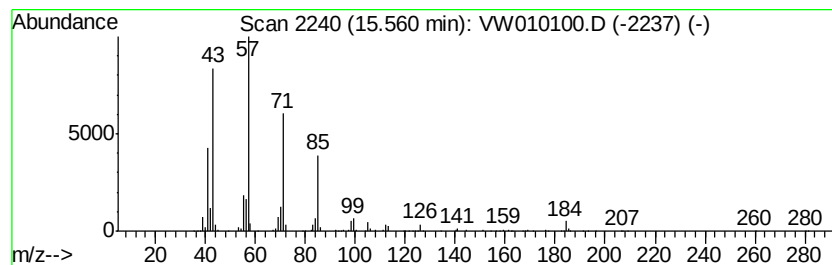
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Quant Title : VOC Analysis

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

Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	1.74 ug/L	645427	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	94
2			Tridecane	184	C13H28	000629-50-5	91
3			Tridecane	184	C13H28	000629-50-5	90
4			Hexadecane	226	C16H34	000544-76-3	86
5			Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

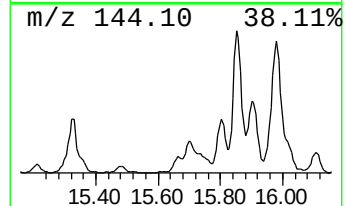
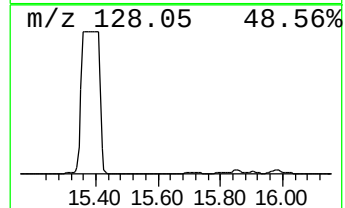
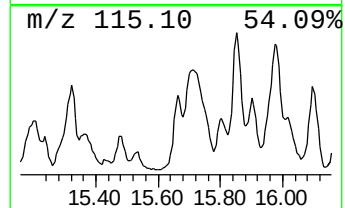
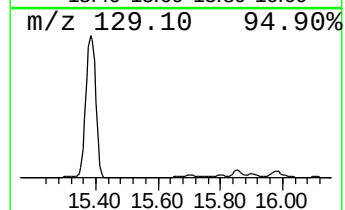
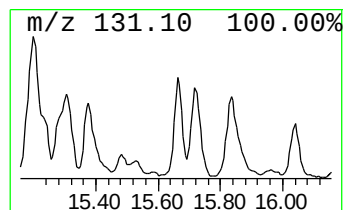
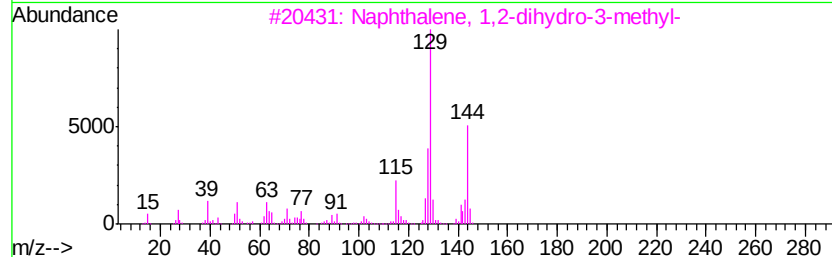
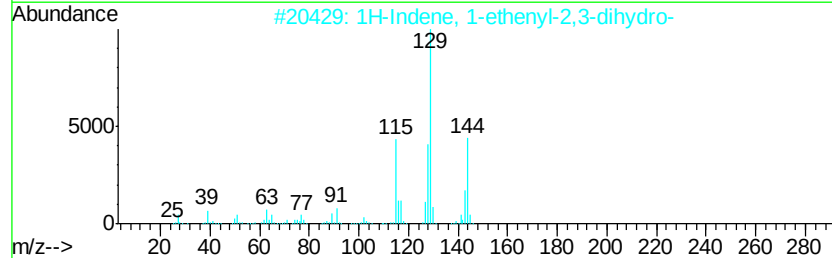
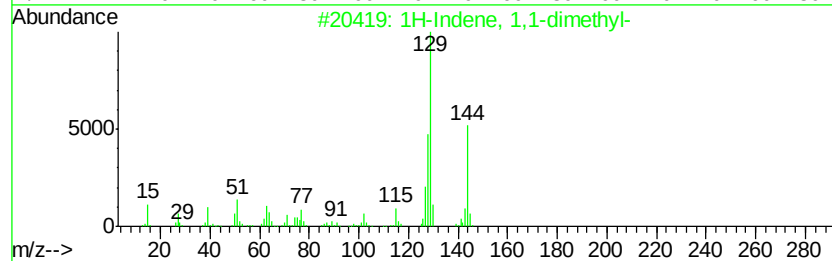
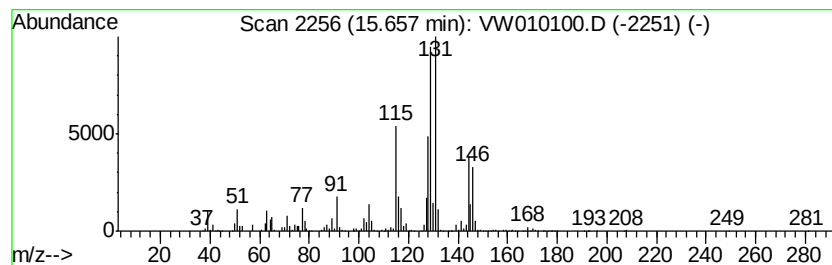
Instrument :
MSVOA_W
ClientSampleId :
GAHS2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 39 1H-Indene, 1,1-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.54 ug/L	941977	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1H-Indene, 1,1-dimethyl-	144 C11H12	018636-55-0	70
2	1H-Indene, 1-ethenyl-2,3-dihydro-	144 C11H12	051783-46-1	58
3	Naphthalene, 1,2-dihydro-3-methyl-	144 C11H12	002717-44-4	55
4	Naphthalene, 1,2-dihydro-6-methyl-	144 C11H12	002717-47-7	49
5	Benzene, 1-methyl-3-(1-methyl-2-...	146 C11H14	052161-57-6	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
GAHS2

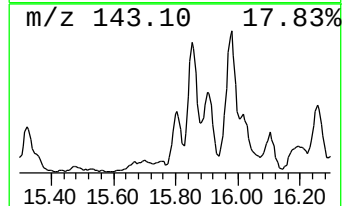
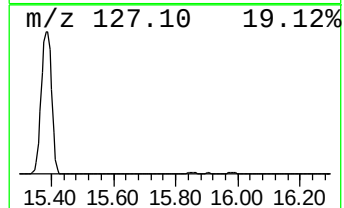
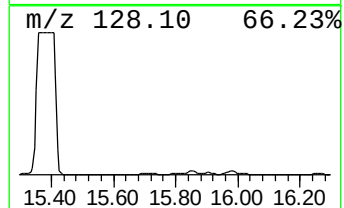
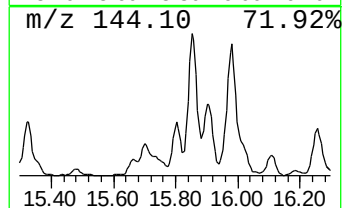
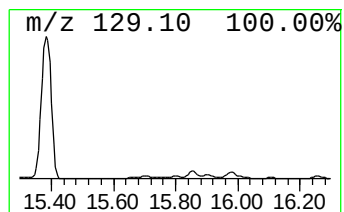
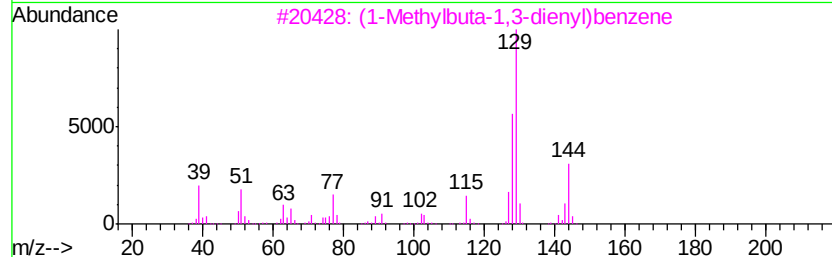
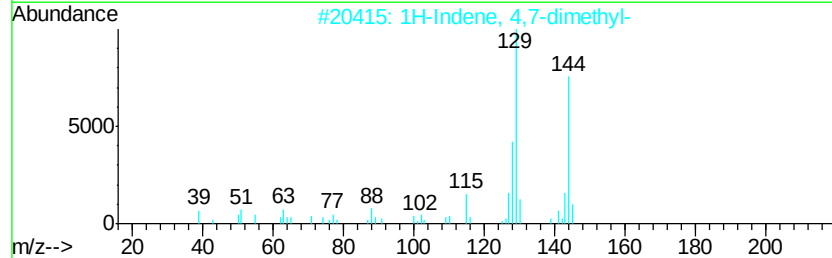
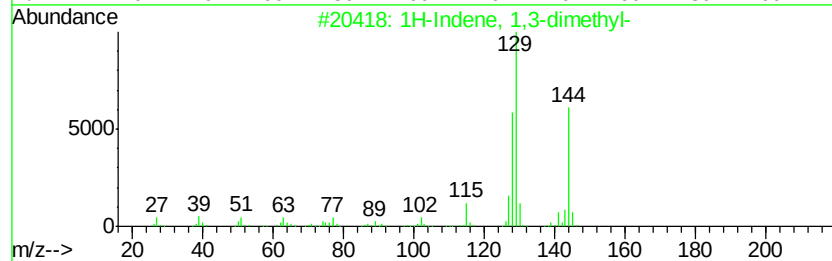
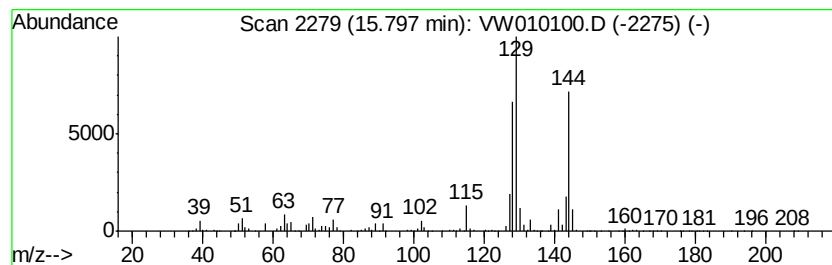
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Quant Title : VOC Analysis

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

Peak Number 40 1H-Indene, 1,3-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	2.74 ug/L	1013740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2		1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
3		(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	91
4		1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
5		1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHS2

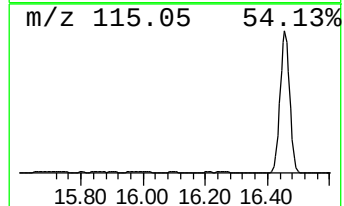
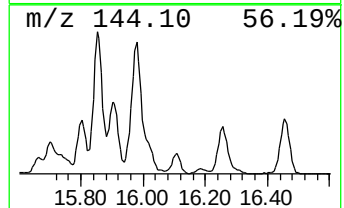
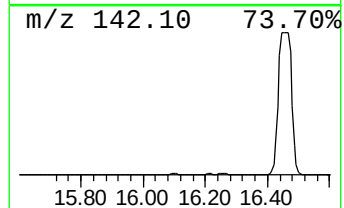
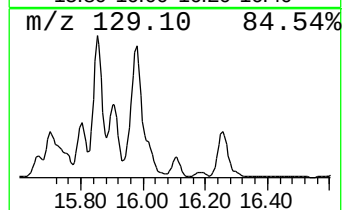
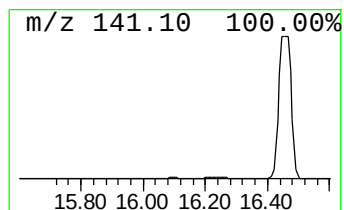
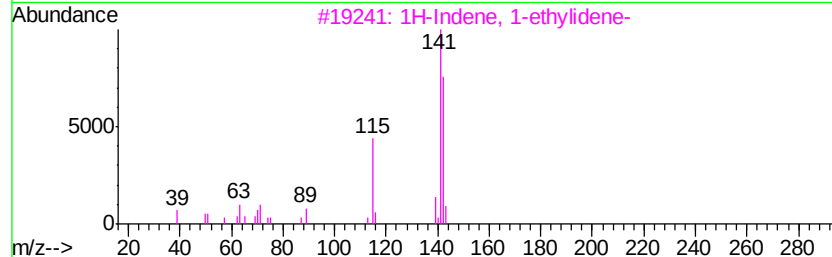
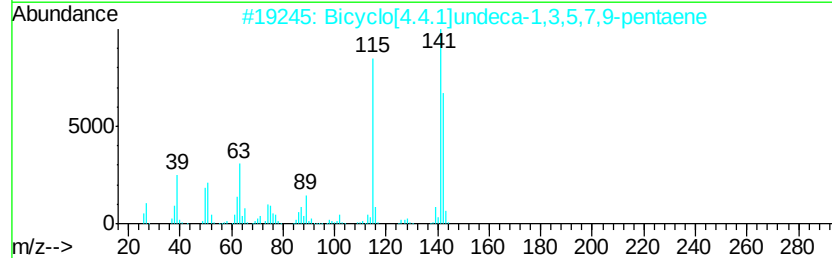
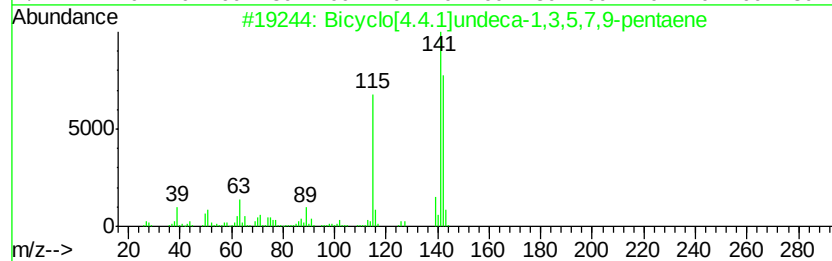
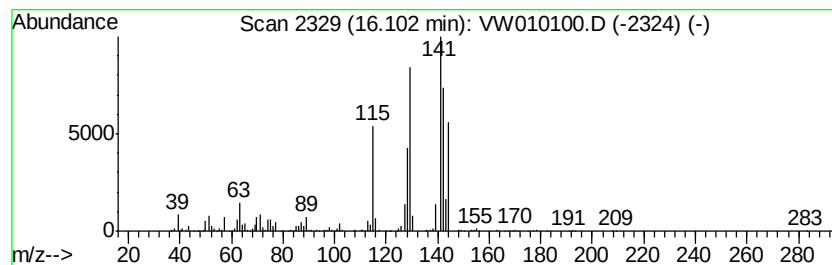
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Quant Title : VOC Analysis

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

Peak Number 43 Bicyclo[4.4.1]undeca-1,3,5,... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	2.34 ug/L	867212	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90
2		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	89
3		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70
5		Benzocycloheptatriene	142	C11H10	000264-09-5	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042319\
Data File : VW010100.D
Acq On : 23 Apr 2019 16:30
Operator : SY/VA
Sample : K2455-22
Misc : 5.05G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

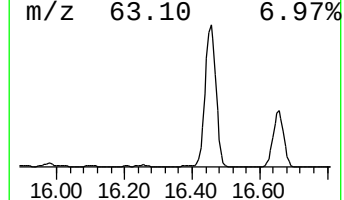
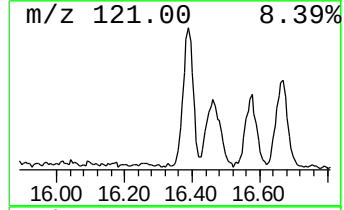
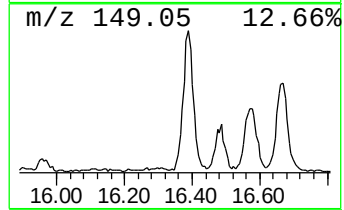
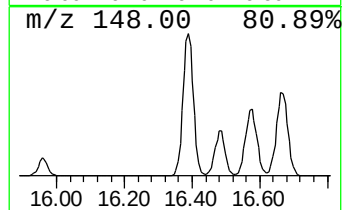
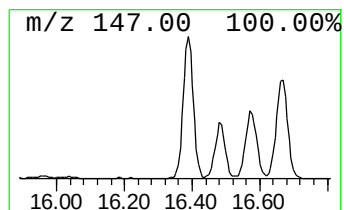
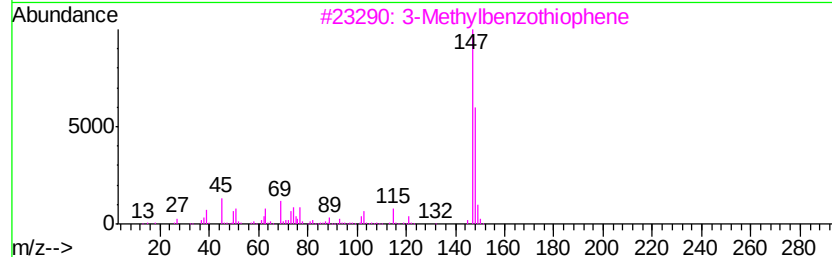
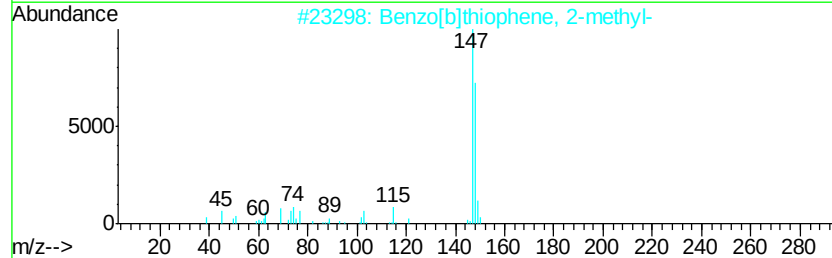
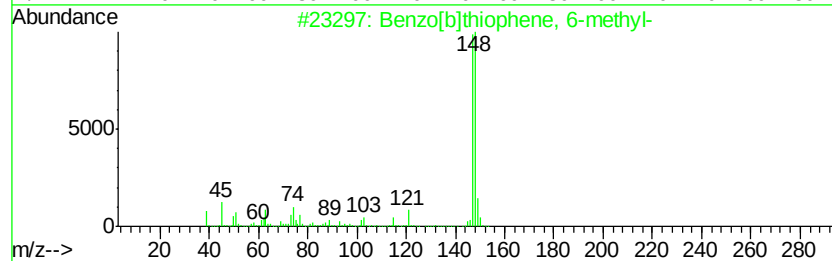
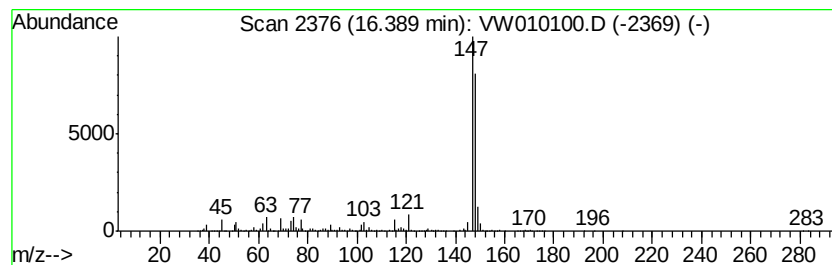
Instrument :
MSVOA_W
ClientSampleId :
GAHS2

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 45 Benzo[b]thiophene, 6-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	2.60 ug/L	962282	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[b]thiophene, 6-methyl-	148 C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 2-methyl-	148 C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148 C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 2-methyl-	148 C9H8S	001195-14-8	91
5	Benzo[b]thiophene, 5-methyl-	148 C9H8S	014315-14-1	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW042319\
 Data File : VW010100.D
 Acq On : 23 Apr 2019 16:30
 Operator : SY/VA
 Sample : K2455-22
 Misc : 5.05G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHS2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.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
(DEL) Alkane: Cyc...	5.42	2.0	ug/L	18236	1	8.84	226248	25.0
(DEL) Alkane: Str...	5.93	2.8	ug/L	25393	1	8.84	226248	25.0
Ethyl Acetate	7.26	28.3	ug/L	255976	1	8.84	226248	25.0
unknown-01	11.06	1.6	ug/L	25215	2	11.63	397699	25.0
Benzene, propyl-	12.80	3.3	ug/L	1233430	3	13.56	9261180	25.0
Benzene, 1-ethyl-...	12.87	17.2	ug/L	6370320	3	13.56	9261180	25.0
Benzene, 1,2,3-tr...	12.94	22.8	ug/L	8442360	3	13.56	9261180	25.0
.alpha.-Methylsty...	13.12	15.3	ug/L	5673770	3	13.56	9261180	25.0
Benzene, 1-etheny...	13.30	85.7	ug/L	31727000	3	13.56	9261180	25.0
Benzene, 2-propenyl-	13.63	12.6	ug/L	4668960	3	13.56	9261180	25.0
Benzene, 1-methyl...	13.72	3.1	ug/L	1168530	3	13.56	9261180	25.0
Indane	13.76	11.9	ug/L	4408150	3	13.56	9261180	25.0
Indene	13.94	252.6	ug/L	93591100	3	13.56	9261180	25.0
Benzene, 2-ethyl-...	14.02	2.8	ug/L	1041790	3	13.56	9261180	25.0
Bicyclo[4.2.0]oct...	14.07	9.4	ug/L	3475960	3	13.56	9261180	25.0
Benzene, 1-ethyl-...	14.10	4.5	ug/L	1665960	3	13.56	9261180	25.0
Benzene, 1-etheny...	14.15	10.0	ug/L	3712220	3	13.56	9261180	25.0
2,4-Dimethylstyrene	14.24	30.9	ug/L	11429900	3	13.56	9261180	25.0
Benzene, 1,2,3,4-...	14.43	8.0	ug/L	2944640	3	13.56	9261180	25.0
Benzene, 1,3-diet...	14.47	13.9	ug/L	5156060	3	13.56	9261180	25.0
Benzene, 1-etheny...	14.56	19.0	ug/L	7038360	3	13.56	9261180	25.0
Benzene, 2-etheny...	14.69	5.5	ug/L	2043680	3	13.56	9261180	25.0
(DEL) Alkane: Str...	14.73	2.4	ug/L	874448	3	13.56	9261180	25.0
Benzene, 1,2,4,5-...	14.80	18.6	ug/L	6892640	3	13.56	9261180	25.0
Benzene, (1-methy...	14.88	90.7	ug/L	33608700	3	13.56	9261180	25.0
2-Methylindene	14.96	100.8	ug/L	37338200	3	13.56	9261180	25.0
1,4-Dihydronaphth...	15.06	12.7	ug/L	4721290	3	13.56	9261180	25.0
Benzene, (2-methy...	15.19	3.1	ug/L	1138570	3	13.56	9261180	25.0
Benzo[c]thiophene	15.47	9.1	ug/L	3361150	3	13.56	9261180	25.0
(DEL) Alkane: Str...	15.56	1.7	ug/L	645427	3	13.56	9261180	25.0
1H-Indene, 1,1-di...	15.66	2.5	ug/L	941977	3	13.56	9261180	25.0
1H-Indene, 1,3-di...	15.80	2.7	ug/L	1013740	3	13.56	9261180	25.0
Bicyclo[4.4.1]und...	16.10	2.3	ug/L	867212	3	13.56	9261180	25.0
Benzo[b]thiophene...	16.39	2.6	ug/L	962282	3	13.56	9261180	25.0