

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
 Data File : VW016666.D
 Acq On : 28 Sep 2020 13:49
 Operator : SY/VA
 Sample : L4171-06
 Misc : 6.08G/10ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y8

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\SOM2WLM091520S.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	2.367	68	76	91	rVB	119526	244901	1.87%	0.540%
2	2.904	156	164	179	rBV	85715	234118	1.79%	0.516%
3	4.032	336	349	362	rBV	239169	726475	5.55%	1.601%
4	4.129	362	365	376	rVB	12276	29821	0.23%	0.066%
5	4.934	479	497	522	rBV7	40037	242752	1.86%	0.535%
6	5.446	566	581	604	rBV	136709	501711	3.83%	1.105%
7	5.952	654	664	676	rVB2	16875	49891	0.38%	0.110%
8	6.726	776	791	807	rBV2	139875	555568	4.25%	1.224%
9	6.885	807	817	829	rVB	152383	475302	3.63%	1.047%
10	7.086	842	850	853	rBV	47669	113070	0.86%	0.249%
11	7.141	854	859	878	rVB	84924	268008	2.05%	0.591%
12	7.653	931	943	962	rBV	362906	924806	7.07%	2.038%
13	8.037	998	1006	1017	rVB	11852	30597	0.23%	0.067%
14	8.281	1032	1046	1062	rBV2	719243	2054271	15.70%	4.526%
15	8.848	1130	1139	1152	rBV	816346	1609072	12.30%	3.545%
16	9.079	1167	1177	1184	rBV2	44180	96876	0.74%	0.213%
17	9.281	1201	1210	1223	rBV	464604	997052	7.62%	2.197%
18	9.390	1223	1228	1238	rVB2	13061	26299	0.20%	0.058%
19	9.610	1253	1264	1271	rBV3	26974	60012	0.46%	0.132%
20	9.756	1280	1288	1299	rVB2	44125	90065	0.69%	0.198%
21	9.903	1304	1312	1316	rBV	32827	62601	0.48%	0.138%
22	9.994	1323	1327	1329	rBV2	15835	23653	0.18%	0.052%
23	10.037	1329	1334	1339	rBV	241094	419771	3.21%	0.925%
24	10.085	1339	1342	1347	rVB	33683	50957	0.39%	0.112%
25	10.128	1347	1349	1357	rVB	25777	39919	0.31%	0.088%
26	10.213	1357	1363	1365	rBV2	20237	32959	0.25%	0.073%
27	10.244	1366	1368	1374	rVB2	22546	34607	0.26%	0.076%
28	10.329	1374	1382	1396	rBV	1071557	1992116	15.23%	4.389%
29	10.451	1396	1402	1404	rBV3	17471	29990	0.23%	0.066%
30	10.494	1404	1409	1417	rVB	77537	156715	1.20%	0.345%
31	10.579	1417	1423	1429	rBV	159088	301213	2.30%	0.664%
32	10.671	1432	1438	1443	rBV	218714	395942	3.03%	0.872%
33	10.762	1448	1453	1459	rVV	97135	173228	1.32%	0.382%
34	10.927	1472	1480	1488	rBV	201896	357562	2.73%	0.788%

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 Title : VOC Analysis

35	11.067	1491	1503	1508	rBV2	87188	175003	1.34%	0.386%
36	11.146	1512	1516	1524	rVB3	34626	67009	0.51%	0.148%
37	11.232	1524	1530	1536	rBV	98091	169494	1.30%	0.373%
38	11.286	1536	1539	1543	rVB2	18895	26428	0.20%	0.058%
39	11.335	1543	1547	1552	rVB3	12171	20462	0.16%	0.045%
40	11.439	1558	1564	1572	rVB2	46510	85440	0.65%	0.188%
41	11.634	1588	1596	1607	rBV	1109085	1958241	14.97%	4.315%
42	11.731	1607	1612	1615	rBV4	16871	28413	0.22%	0.063%
43	11.878	1631	1636	1639	rBV	14845	24507	0.19%	0.054%
44	12.042	1656	1663	1670	rVB4	8350	17473	0.13%	0.038%
45	12.140	1670	1679	1685	rBV3	24399	60298	0.46%	0.133%
46	12.305	1701	1706	1708	rBV	11661	18625	0.14%	0.041%
47	12.341	1708	1712	1717	rVV3	24078	52382	0.40%	0.115%
48	12.390	1717	1720	1723	rVV	15013	25324	0.19%	0.056%
49	12.420	1723	1725	1728	rVV3	12161	19444	0.15%	0.043%
50	12.469	1728	1733	1738	rVV2	32188	67544	0.52%	0.149%
51	12.609	1750	1756	1763	rVB	136779	229543	1.75%	0.506%
52	12.695	1763	1770	1777	rBV	345275	587047	4.49%	1.293%
53	12.786	1780	1785	1792	rVV3	36482	99169	0.76%	0.219%
54	12.865	1792	1798	1801	rVV7	12108	26985	0.21%	0.059%
55	12.939	1804	1810	1816	rVV6	37431	103175	0.79%	0.227%
56	12.993	1816	1819	1823	rVV4	14112	24226	0.19%	0.053%
57	13.036	1823	1826	1830	rVV4	9799	17399	0.13%	0.038%
58	13.079	1830	1833	1837	rVV4	15821	26366	0.20%	0.058%
59	13.170	1843	1848	1858	rVB7	22257	58190	0.44%	0.128%
60	13.268	1858	1864	1865	rBV4	11754	19514	0.15%	0.043%
61	13.292	1865	1868	1873	rVV	25904	49293	0.38%	0.109%
62	13.384	1875	1883	1888	rVV3	94973	244699	1.87%	0.539%
63	13.445	1888	1893	1896	rVV3	48212	97194	0.74%	0.214%
64	13.499	1896	1902	1907	rVV	1372401	2216032	16.94%	4.883%
65	13.560	1907	1912	1921	rVV2	1198389	2521888	19.27%	5.557%
66	13.652	1923	1927	1931	rVV2	15724	32961	0.25%	0.073%
67	13.719	1932	1938	1942	rVV	356750	545950	4.17%	1.203%
68	13.762	1942	1945	1948	rVV	95876	147136	1.12%	0.324%
69	13.798	1948	1951	1955	rVV	202148	316323	2.42%	0.697%
70	13.853	1955	1960	1974	rVB	910476	1786360	13.65%	3.936%
71	14.072	1989	1996	2004	rBV3	82234	168793	1.29%	0.372%

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72	14.201	2005	2017	2022	rBV4	290354	699031	5.34%	1.540%
73	14.255	2022	2026	2028	rBV2	80982	128836	0.98%	0.284%
74	14.316	2033	2036	2043	rVV2	87486	150277	1.15%	0.331%
75	14.390	2043	2048	2049	rVV2	70442	92608	0.71%	0.204%
76	14.420	2049	2053	2061	rVB3	220473	388450	2.97%	0.856%
77	14.499	2061	2066	2072	rBV	358078	551245	4.21%	1.215%
78	14.603	2077	2083	2086	rBV	280472	421606	3.22%	0.929%
79	14.694	2093	2098	2104	rBV3	122863	237352	1.81%	0.523%
80	14.810	2109	2117	2123	rBV	348538	572763	4.38%	1.262%
81	14.877	2123	2128	2131	rBV3	69467	128229	0.98%	0.283%
82	14.914	2131	2134	2140	rVB	61427	108101	0.83%	0.238%
83	14.987	2140	2146	2149	rBV	61359	114269	0.87%	0.252%
84	15.030	2149	2153	2155	rVV3	98912	172129	1.32%	0.379%
85	15.060	2155	2158	2162	rVV4	150986	269617	2.06%	0.594%
86	15.133	2162	2170	2177	rVV	7622039	13083775	100.00%	28.828%
87	15.182	2177	2178	2187	rVB2	195032	230311	1.76%	0.507%
88	15.267	2187	2192	2198	rVB2	39479	76338	0.58%	0.168%
89	15.328	2198	2202	2206	rBV3	30700	51000	0.39%	0.112%
90	15.426	2211	2218	2222	rBV2	143898	298390	2.28%	0.657%
91	15.475	2222	2226	2232	rBV5	85331	176182	1.35%	0.388%
92	15.658	2248	2256	2262	rBV	146204	300246	2.29%	0.662%
93	15.822	2274	2283	2293	rBV5	54780	185880	1.42%	0.410%
94	15.950	2299	2304	2309	rBV	96180	182060	1.39%	0.401%
95	16.023	2309	2316	2330	rVB5	68933	267379	2.04%	0.589%
96	16.176	2332	2341	2352	rBV3	104651	273411	2.09%	0.602%
97	16.377	2364	2374	2380	rBV2	128700	315836	2.41%	0.696%
98	16.444	2380	2385	2398	rVB5	53920	172458	1.32%	0.380%
99	16.651	2407	2419	2425	rBV5	50624	160685	1.23%	0.354%
100	16.700	2425	2427	2433	rVB2	23368	40278	0.31%	0.089%

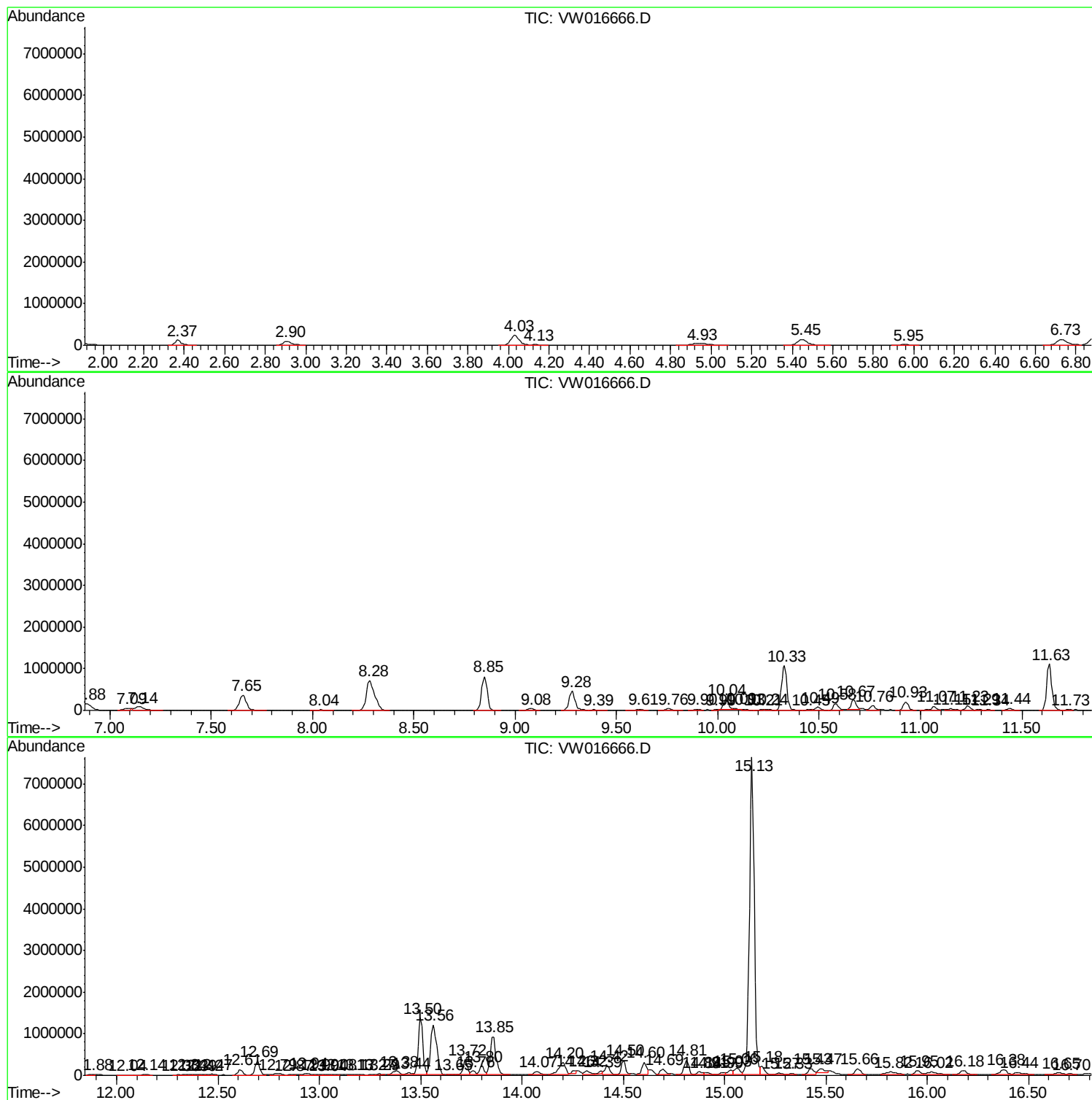
Sum of corrected areas: 45384972

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



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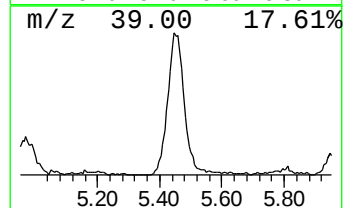
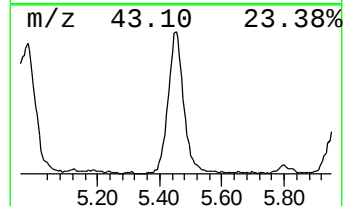
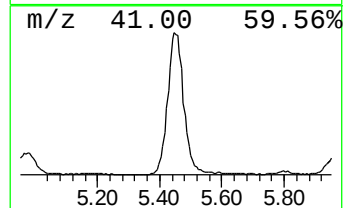
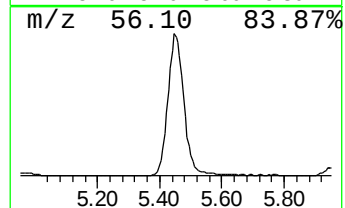
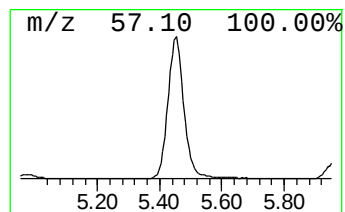
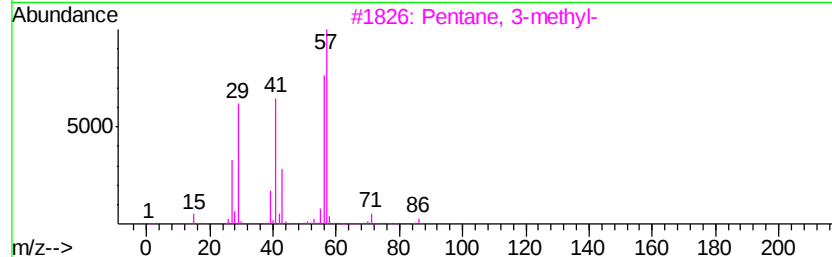
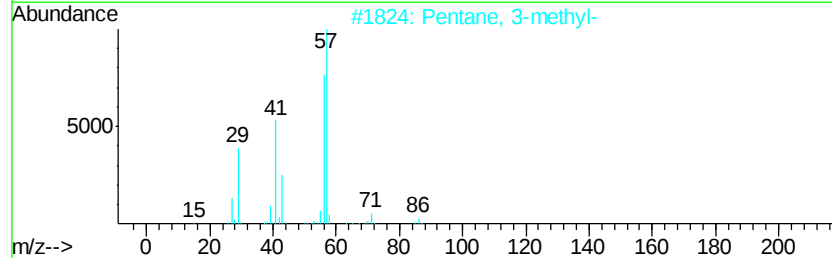
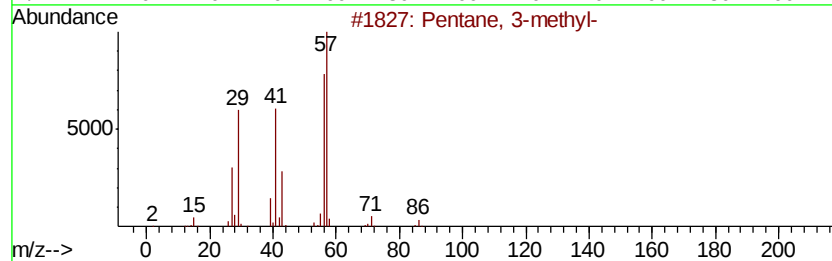
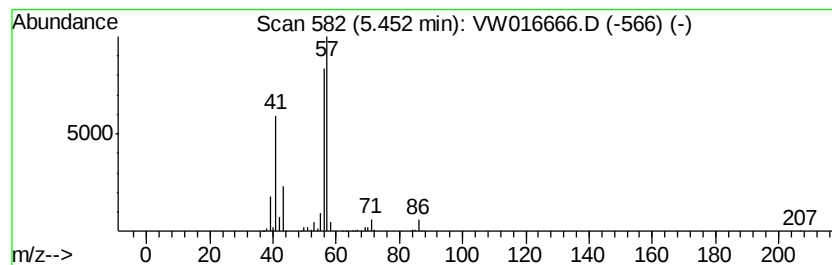
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.45	7.80 ug/L	501711	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2		Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3		Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
5		Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	50



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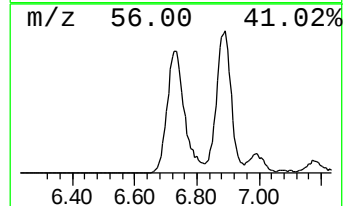
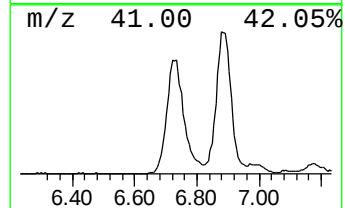
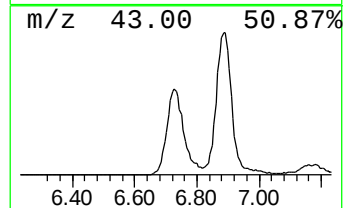
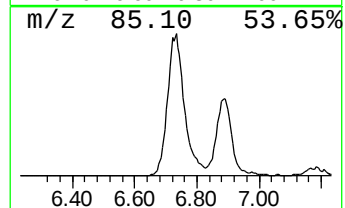
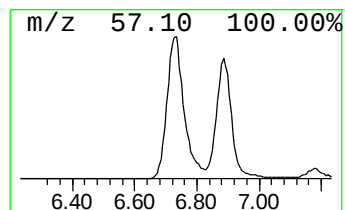
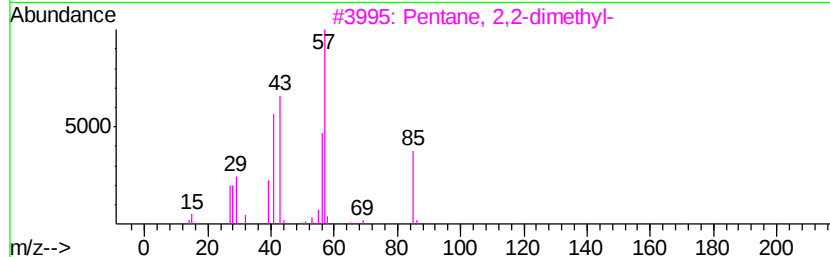
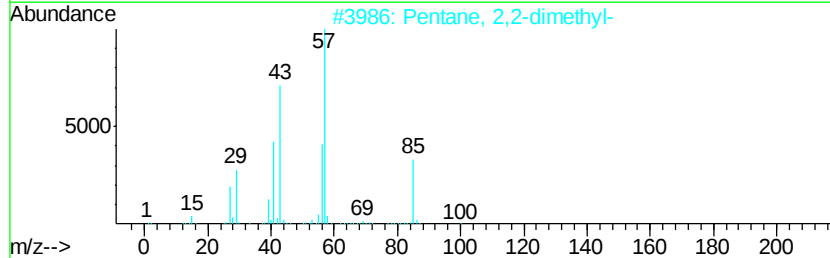
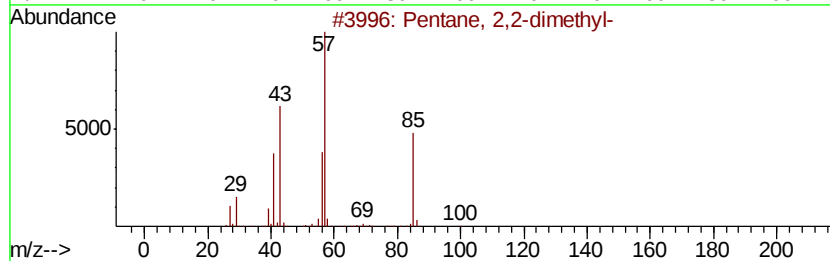
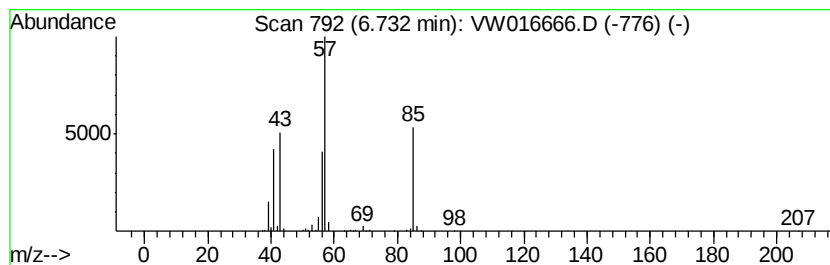
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TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	8.63 ug/L	555568	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	90
2		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	74
5		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64



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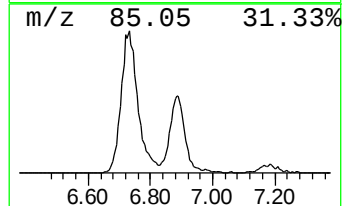
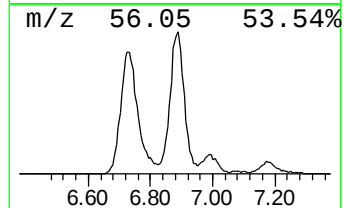
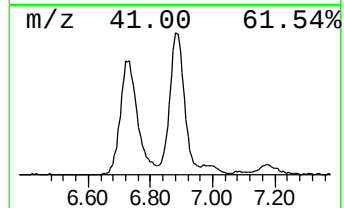
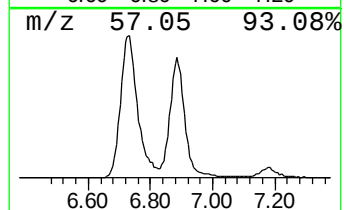
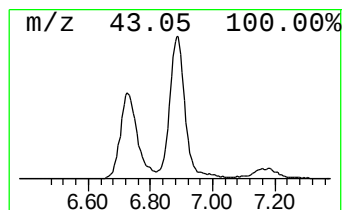
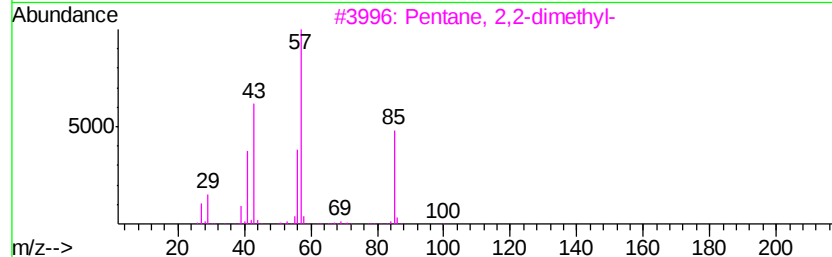
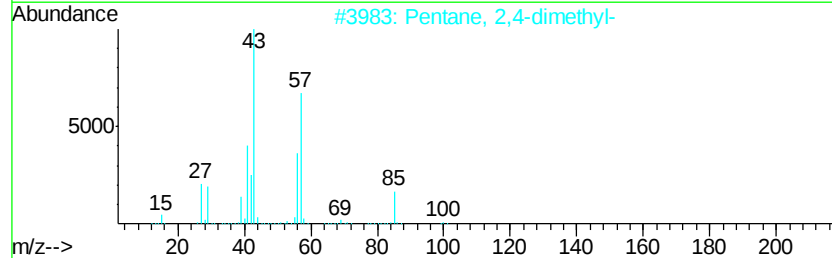
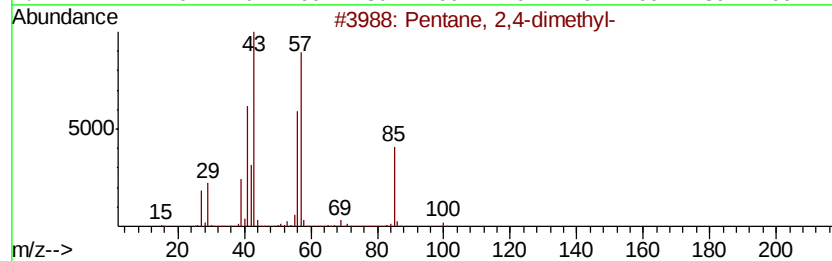
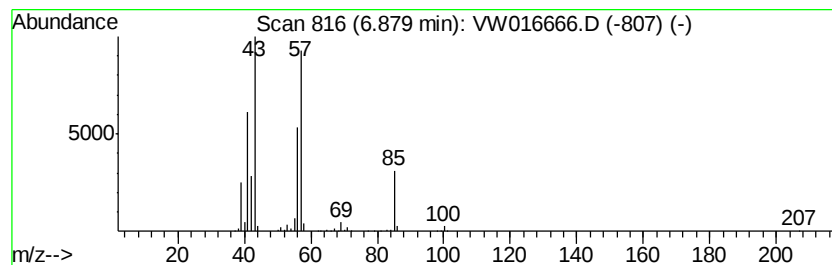
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	7.38 ug/L	475302	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	94
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64
4		Oxalic acid, butyl isoheptyl ester	230	C12H22O4	1000309-32-7	64
5		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3Y8

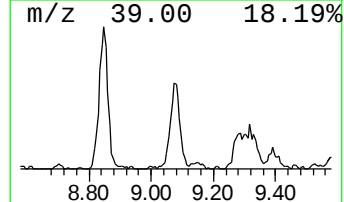
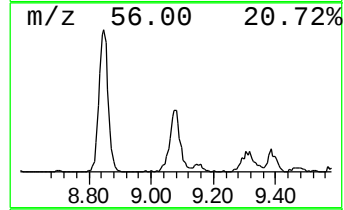
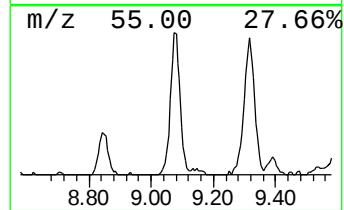
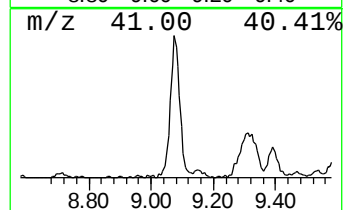
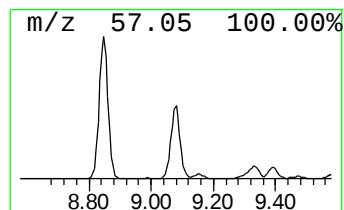
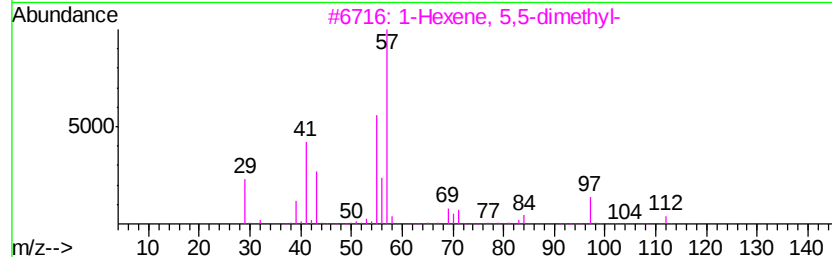
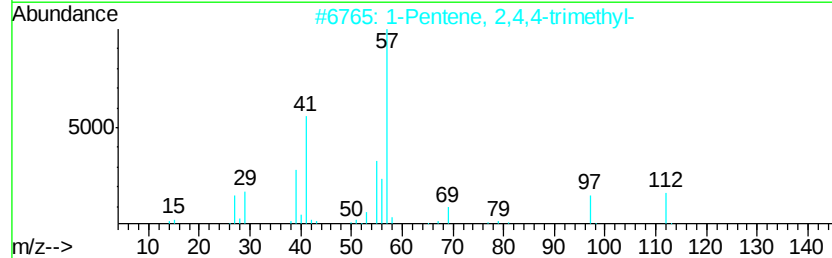
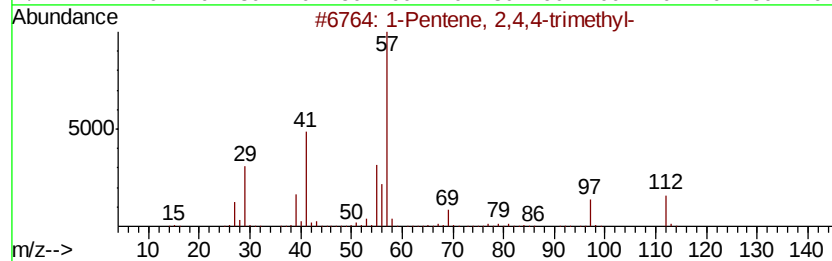
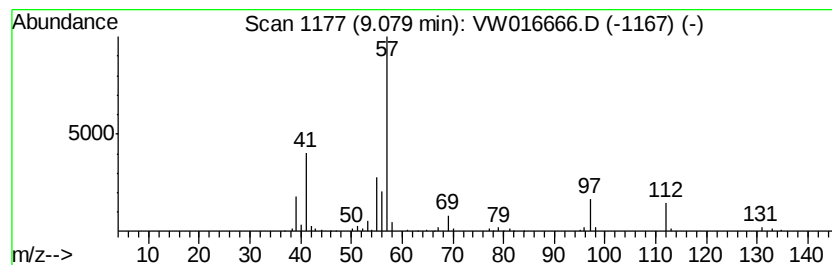
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	1.51 ug/L	96876	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
2			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	87
3			1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	64
4			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64
5			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

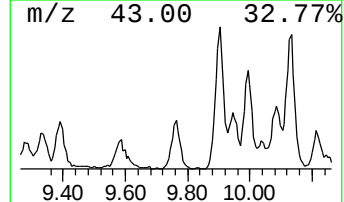
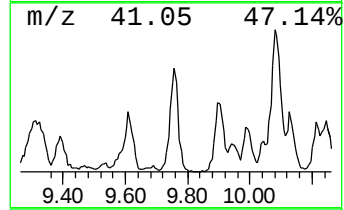
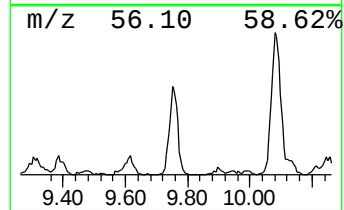
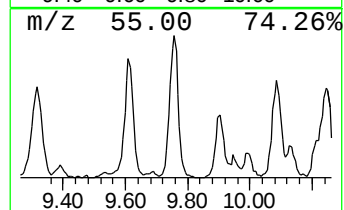
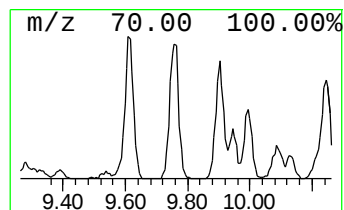
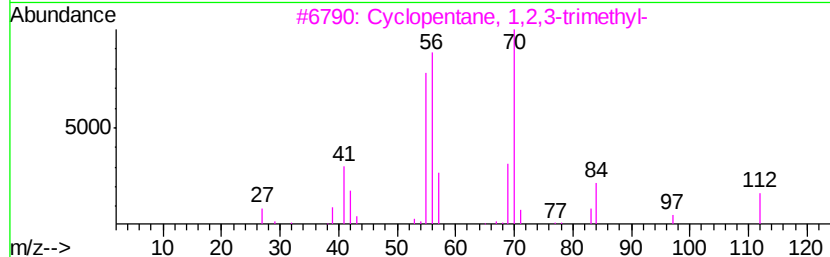
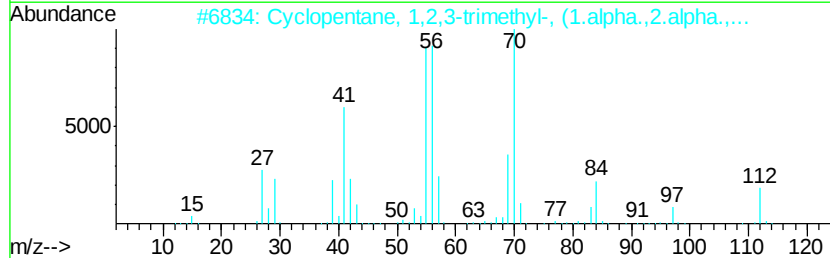
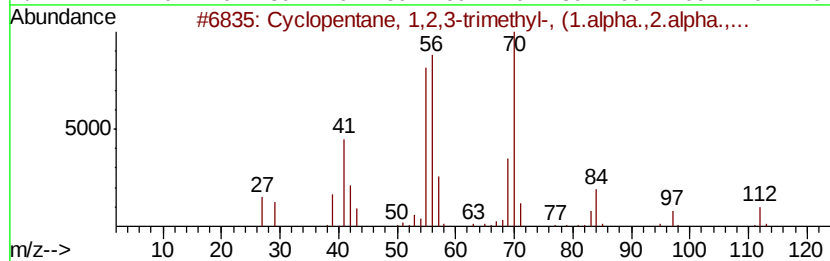
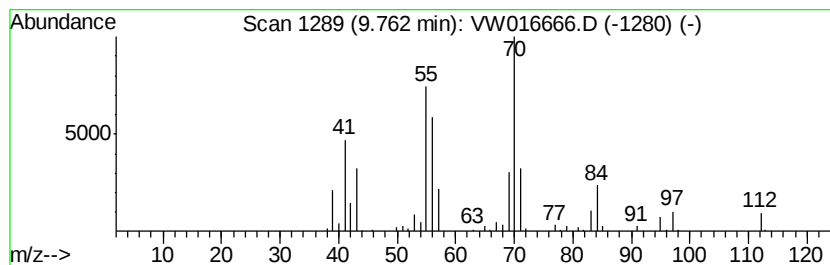
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic9.76 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.40 ug/L	90065	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	83
3		Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	83
4		1-Heptene, 3-methyl-	112	C8H16	004810-09-7	80
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

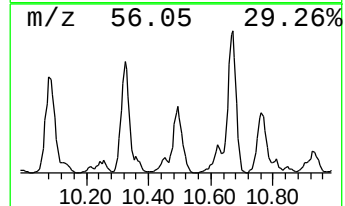
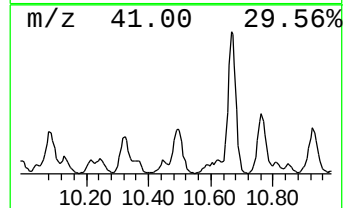
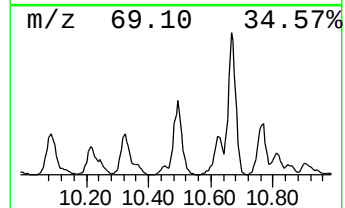
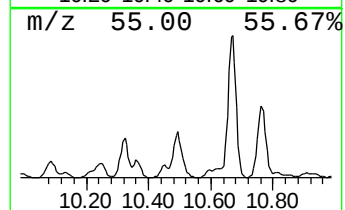
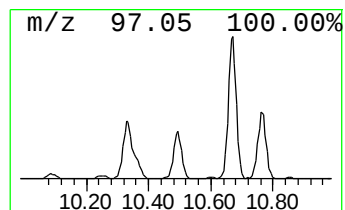
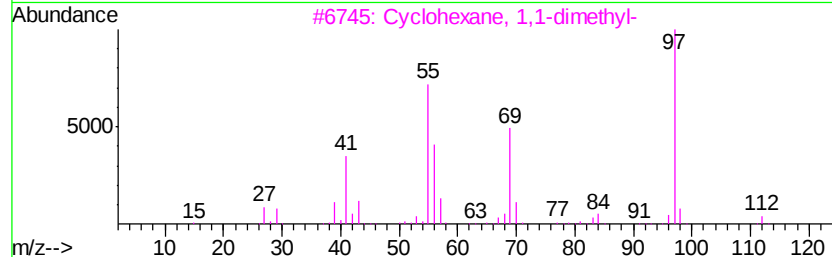
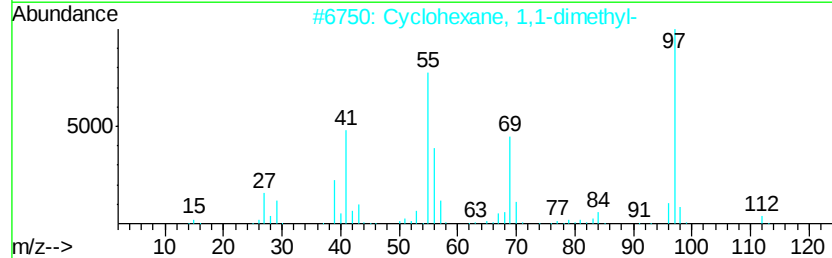
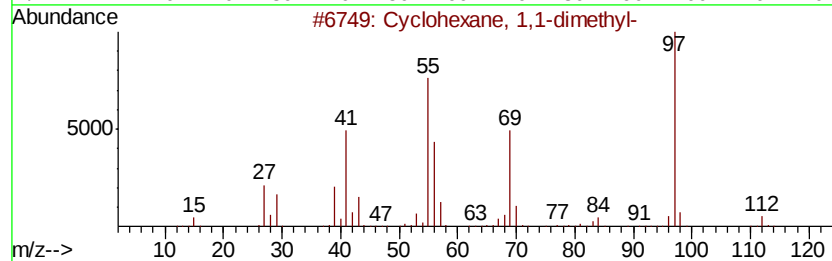
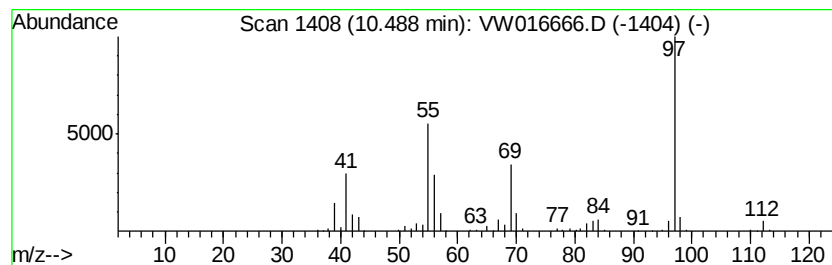
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic10.49 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.49	2.00 ug/L	156715	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	97
2	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	97
3	Cvclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	97
4	Cvclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
5	Cvclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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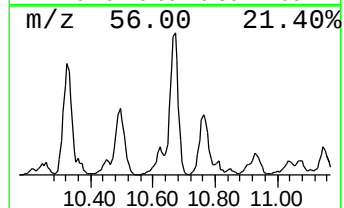
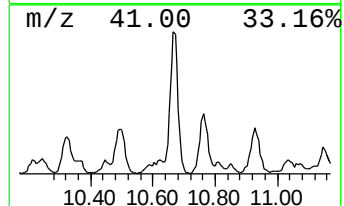
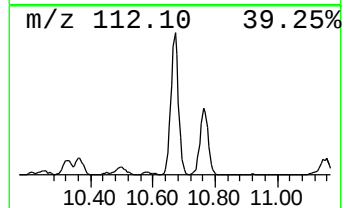
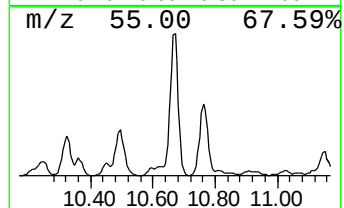
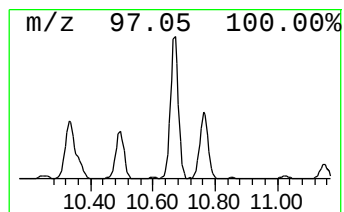
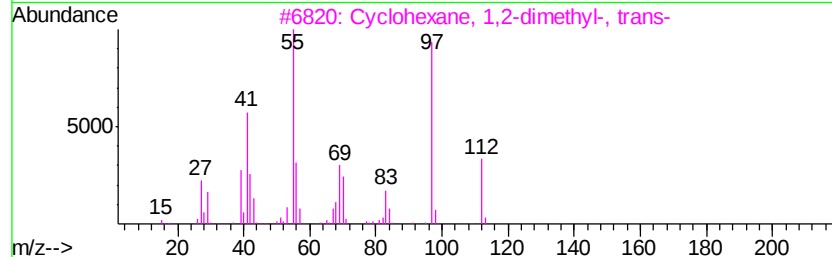
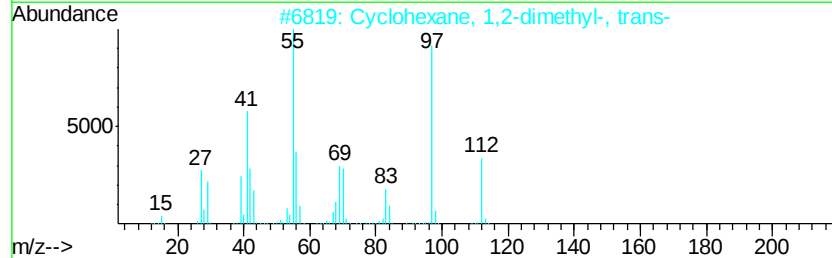
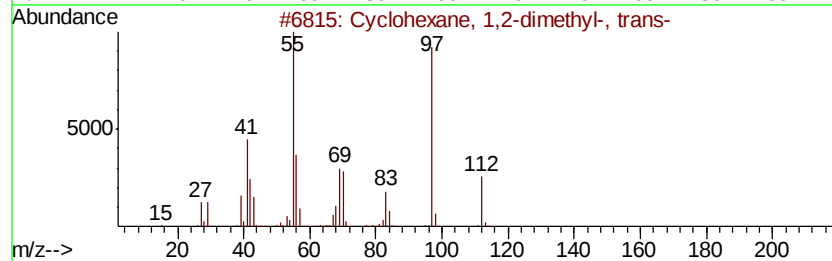
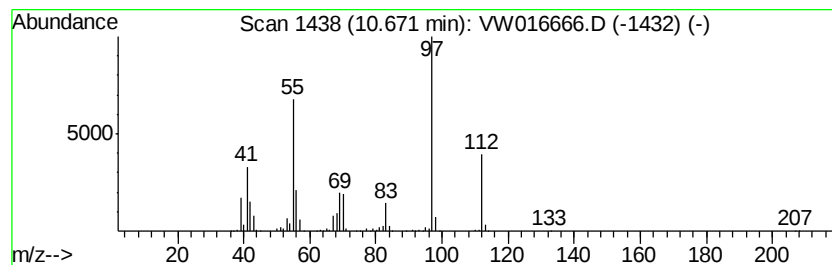
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic10.67 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	5.05 ug/L	395942	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
2		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
3		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	91
4		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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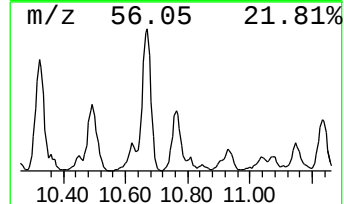
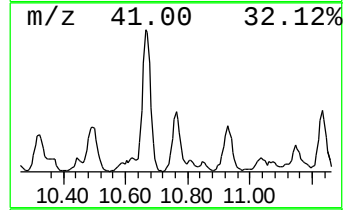
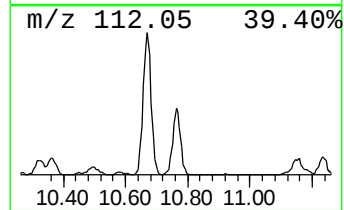
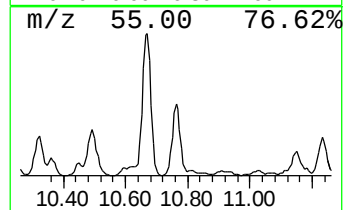
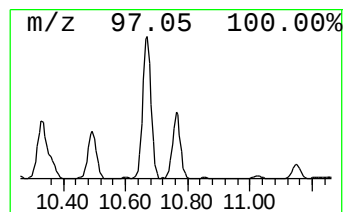
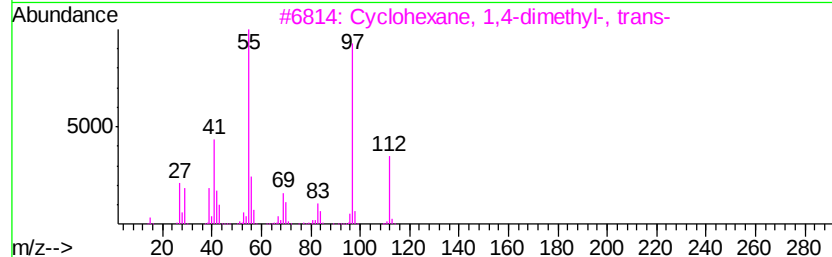
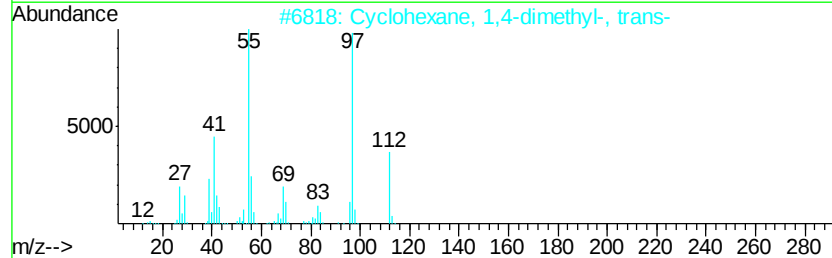
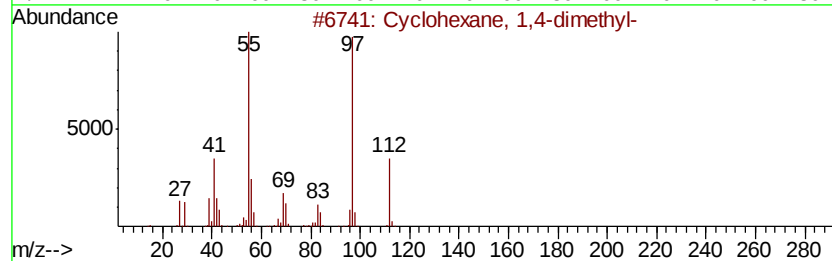
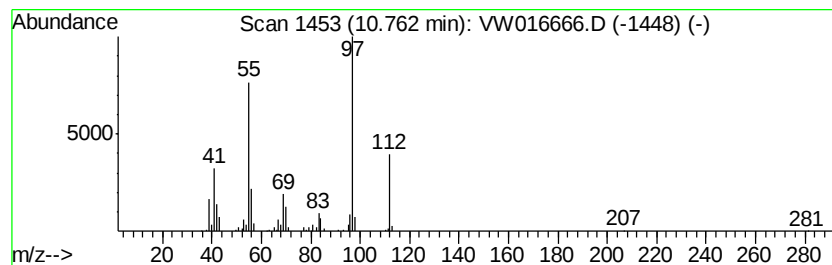
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic10.76 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.21 ug/L	173228	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	96
2		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
3		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
4		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
5		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

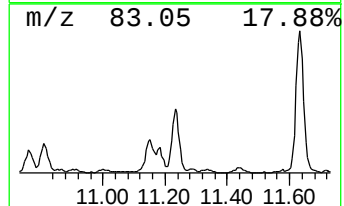
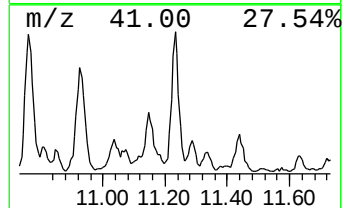
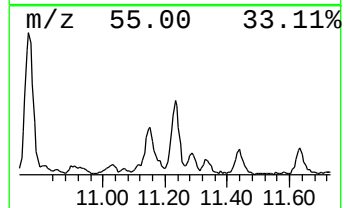
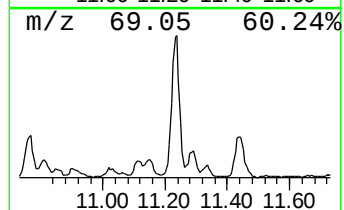
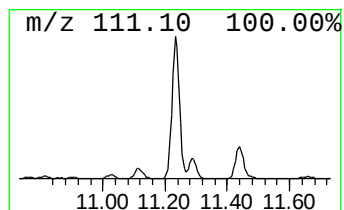
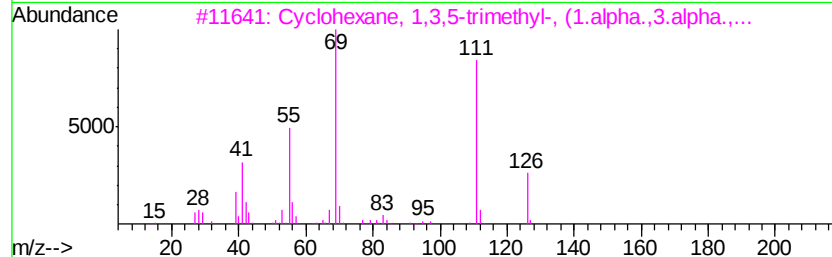
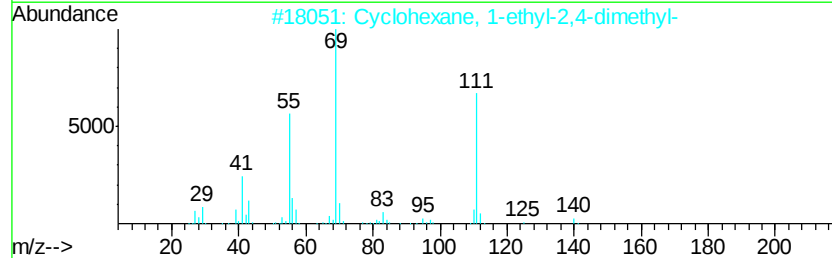
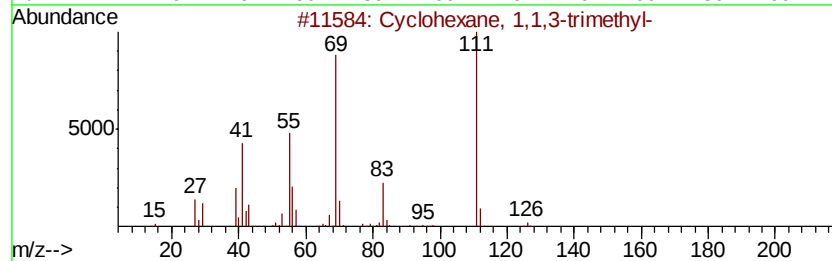
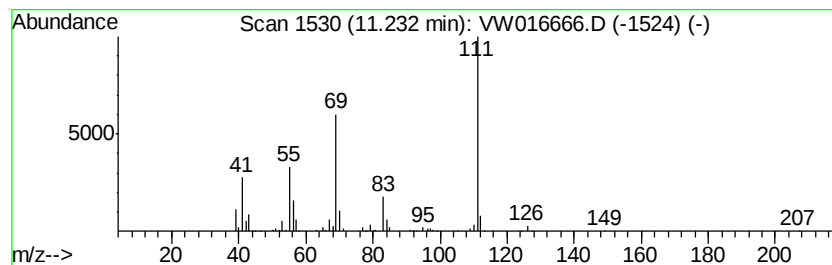
Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic11.23 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	2.16 ug/L	169494	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
2		Cvclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	78
3		Cvclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	72
4		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
5		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3Y8

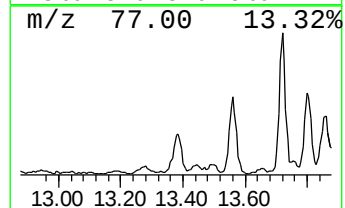
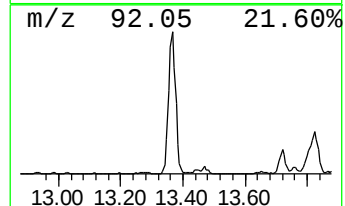
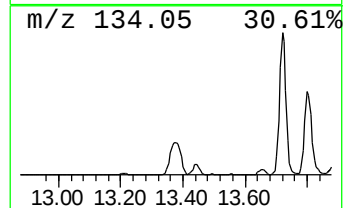
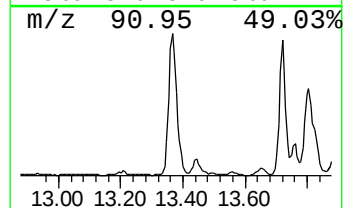
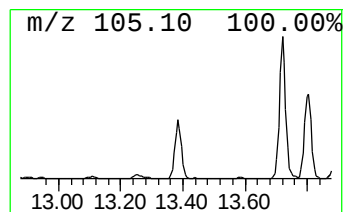
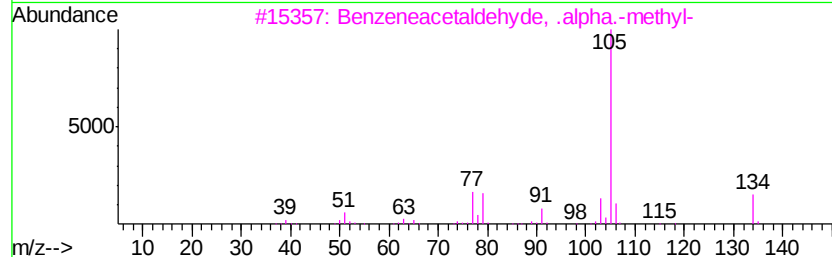
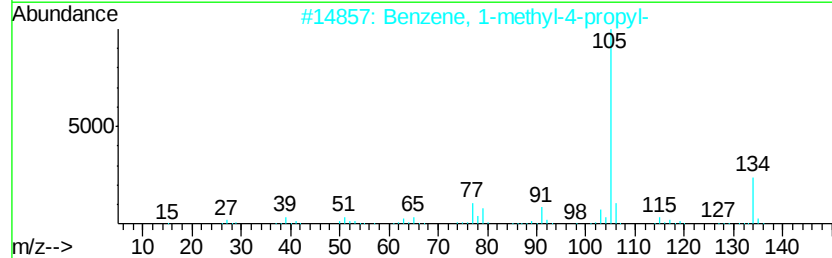
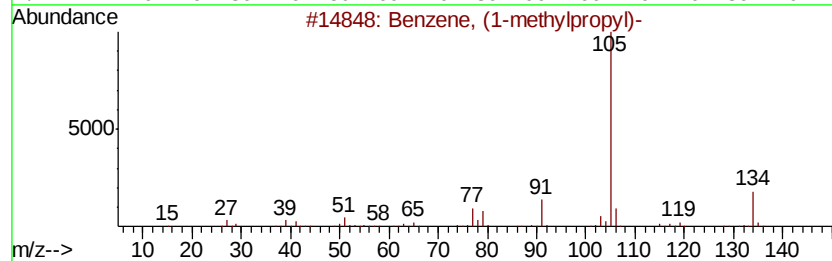
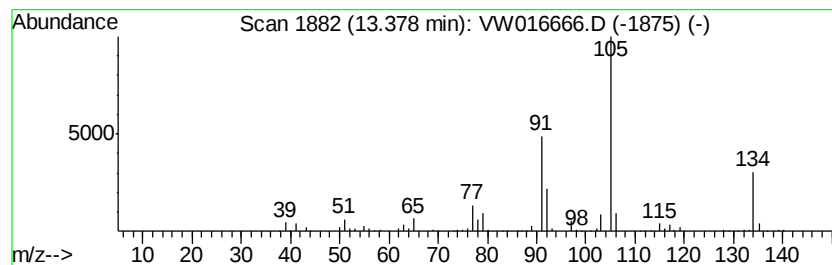
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, (1-methylpropyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.43 ug/L	244699	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

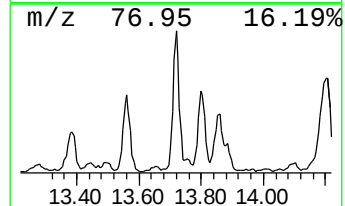
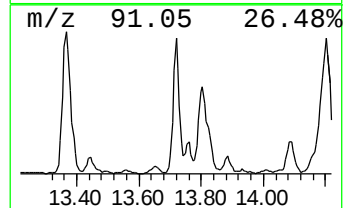
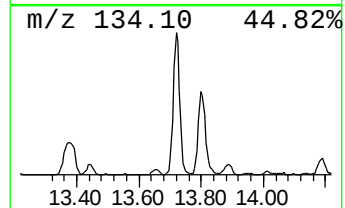
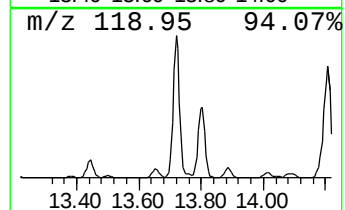
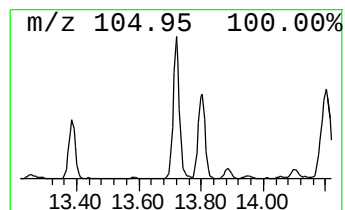
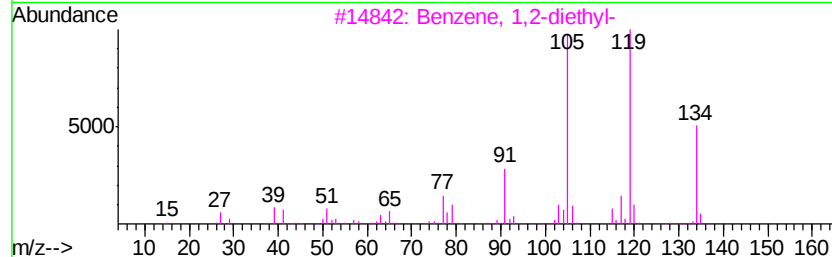
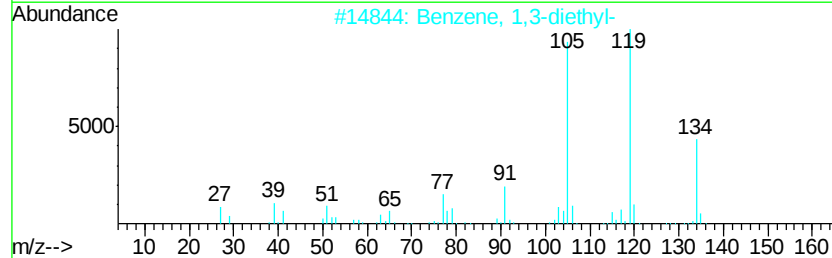
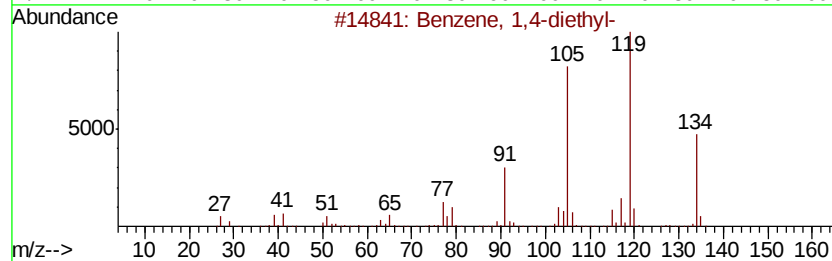
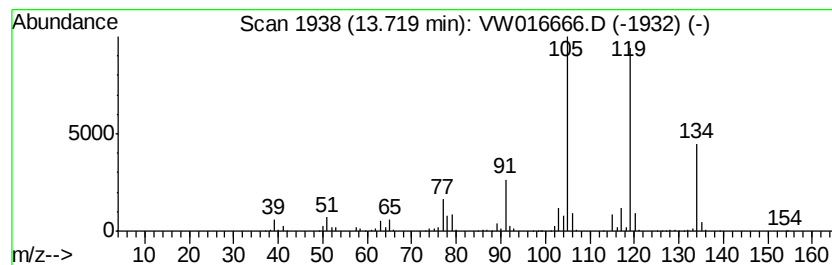
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1,4-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.41 ug/L	545950	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

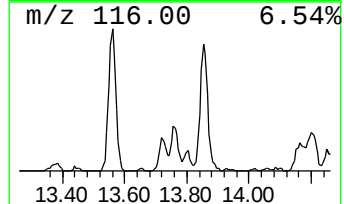
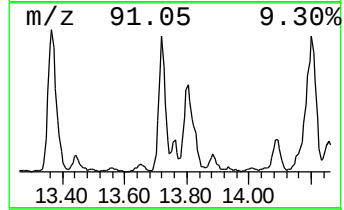
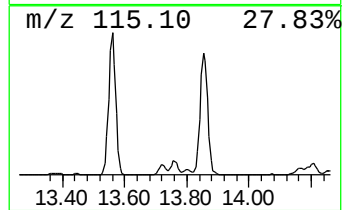
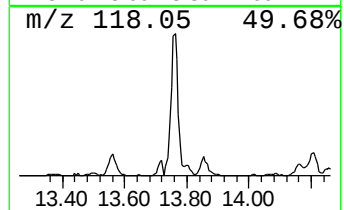
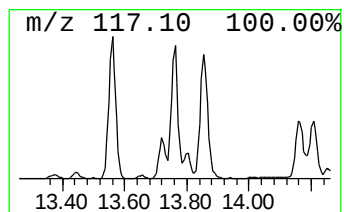
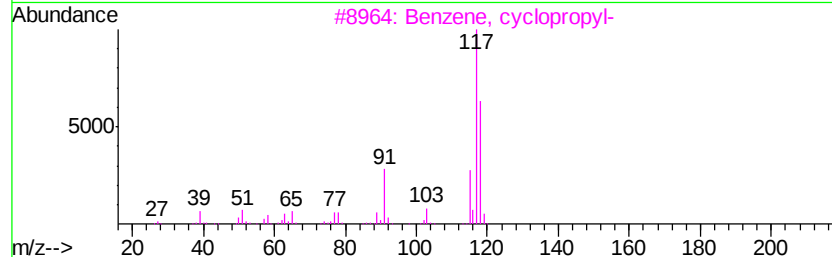
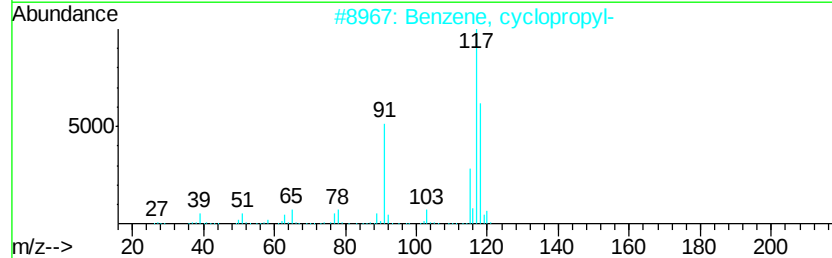
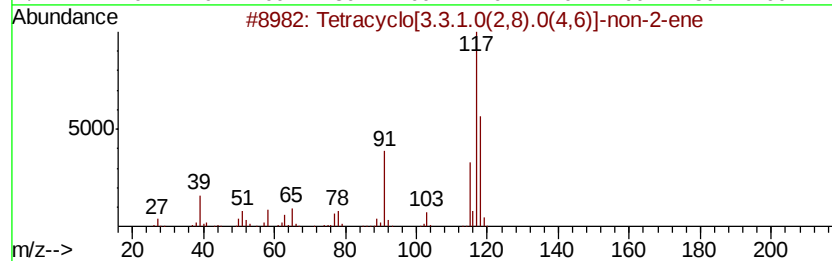
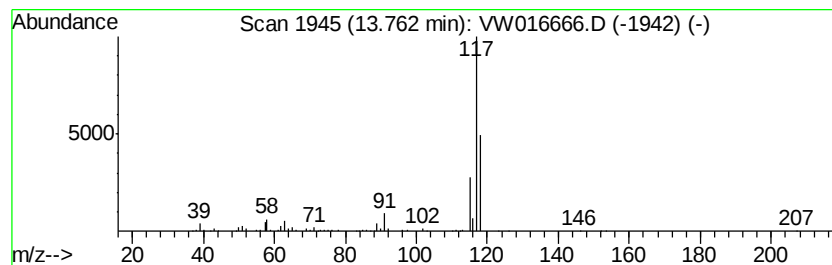
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Quant Title : VOC Analysis

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

Peak Number 15 Tetracyclo[3.3.1.0(2,8).0(4... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.46 ug/L	147136	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-	118	C9H10	1000191-13-7	64
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4		Benzene, 1-(chloromethyl)-4-eth...	152	C9H9Cl	001592-20-7	59
5		Benzene, 1,1'-(1-ethenyl-1,3-pro...	222	C17H18	061141-97-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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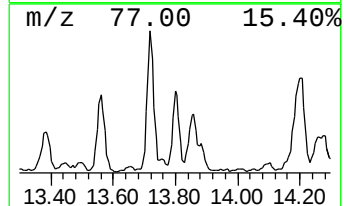
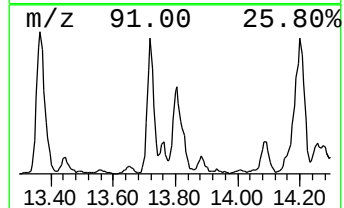
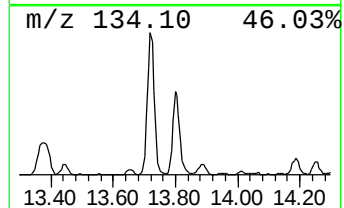
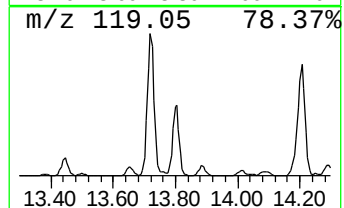
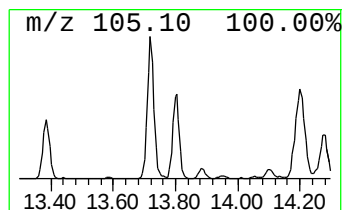
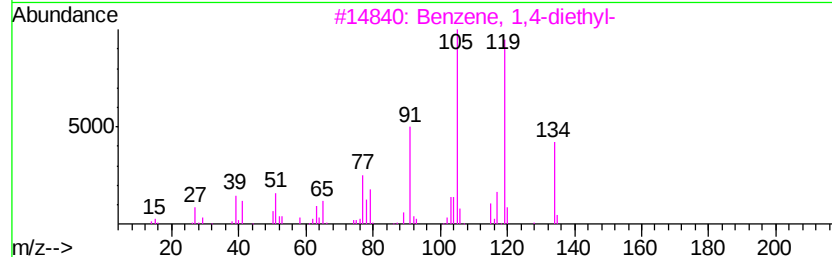
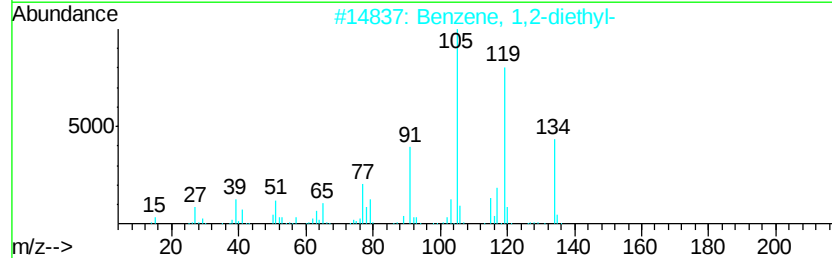
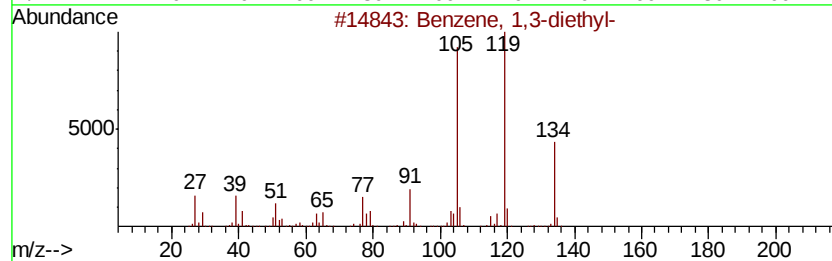
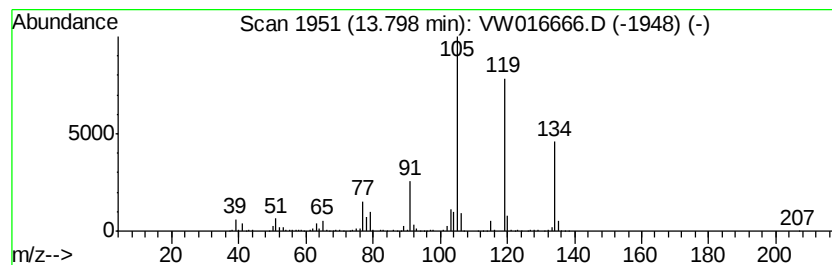
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Quant Title : VOC Analysis

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

Peak Number 16 Benzene, 1,3-diethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.14 ug/L	316323	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
5		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

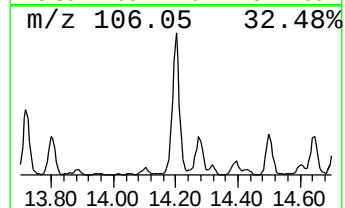
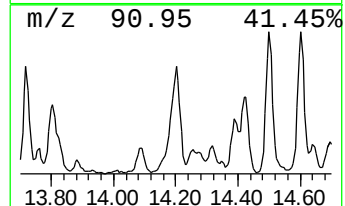
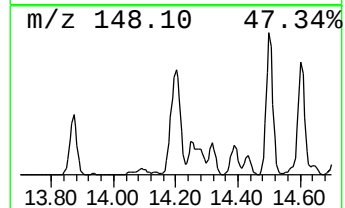
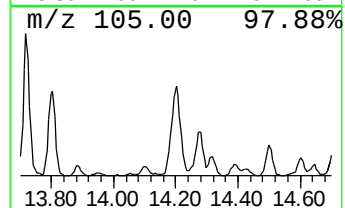
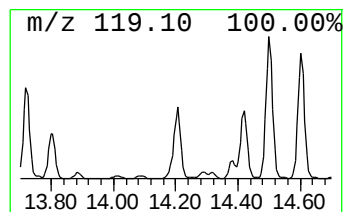
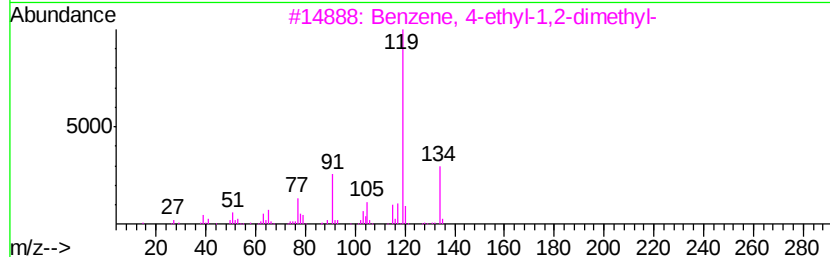
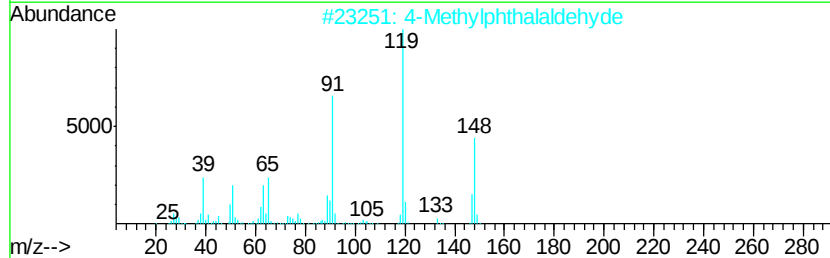
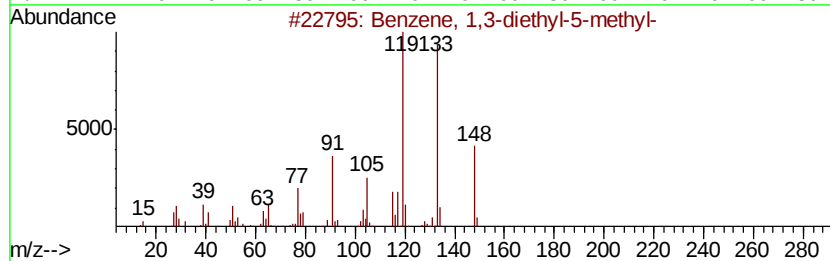
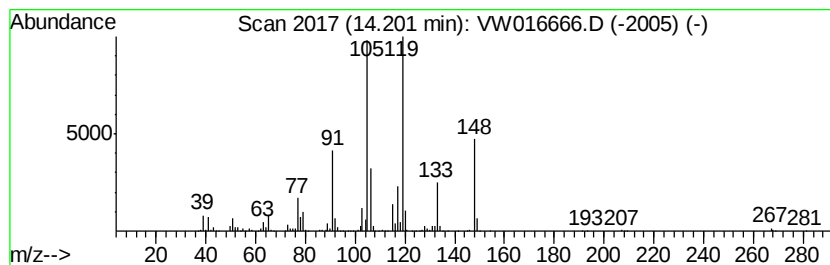
Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.20	6.93 ug/L	699031	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	72
2	4-Methylphthalaldehyde	148	C9H8O2	015158-36-8	53
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
5	2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

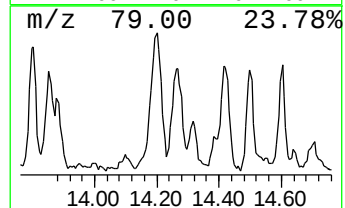
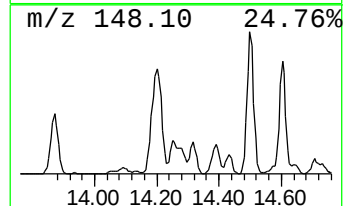
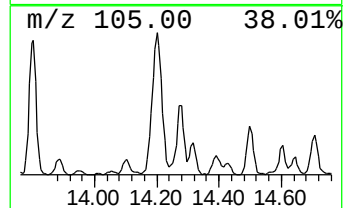
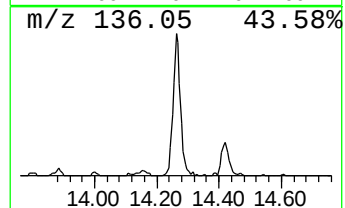
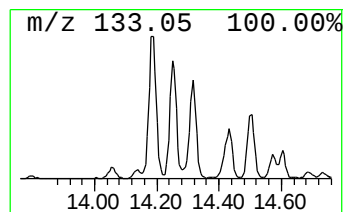
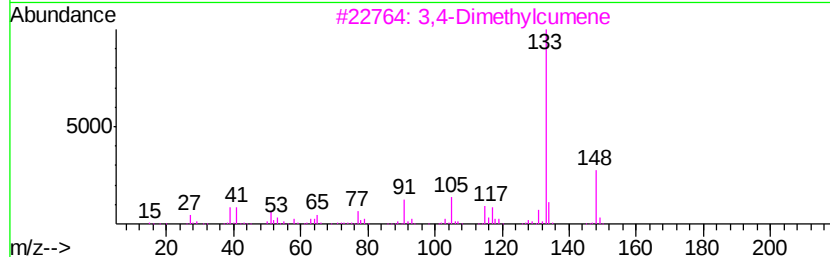
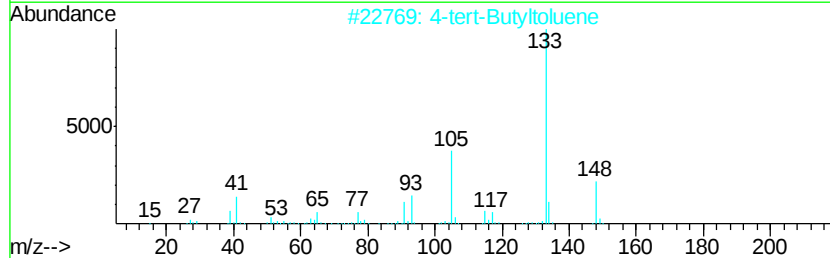
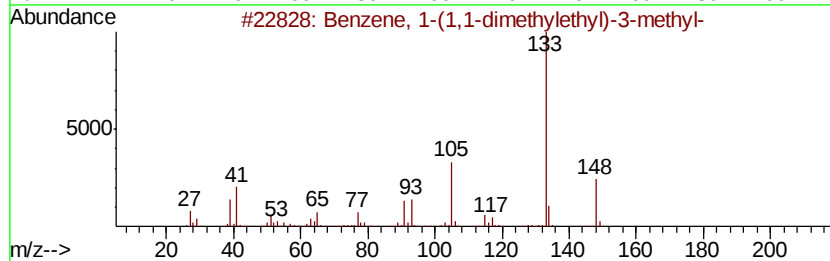
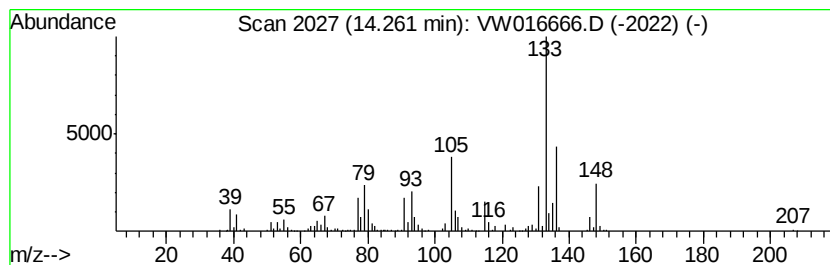
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 1-(1,1-dimethyleth... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	1.28 ug/L	128836	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	74
2		4-tert-Butyltoluene	148	C11H16	000098-51-1	72
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	68
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	64
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

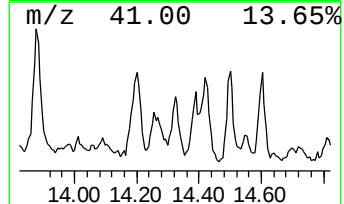
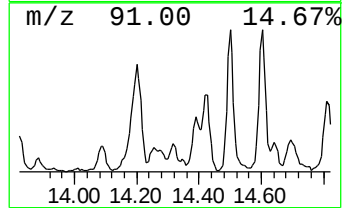
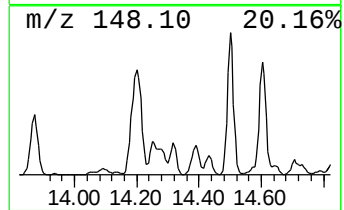
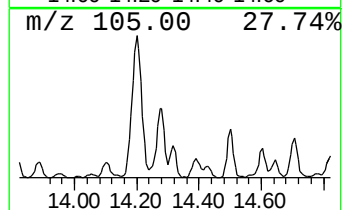
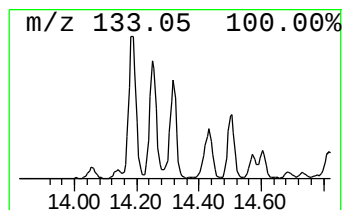
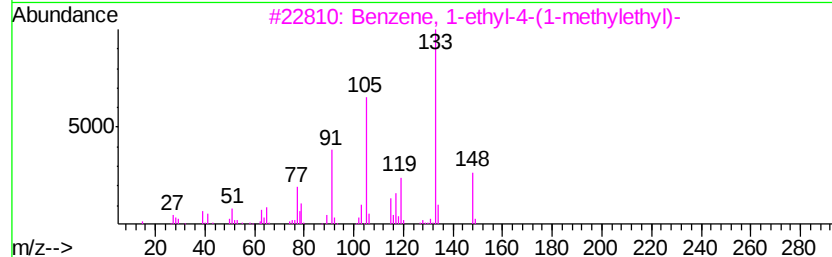
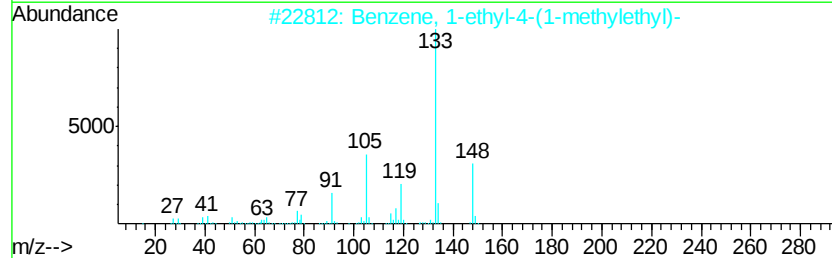
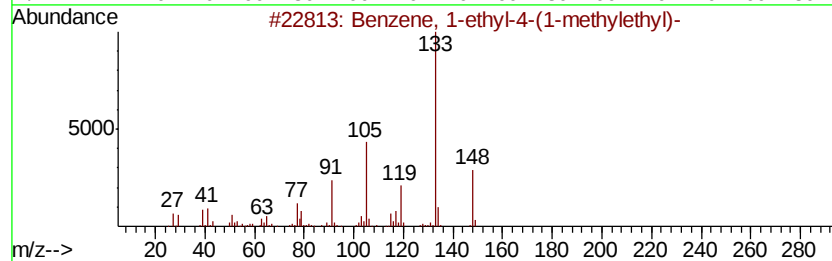
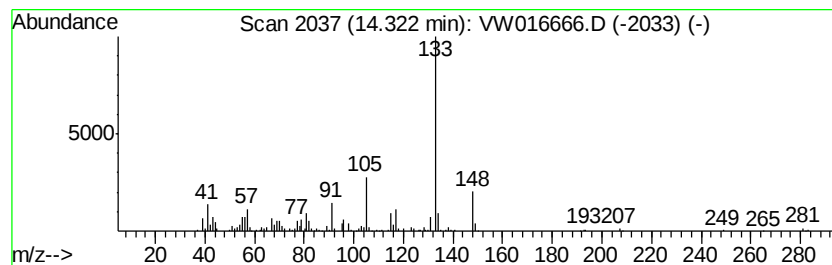
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	1.49 ug/L	150277	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	93
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	93
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
4		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	87
5		4-tert-Butyltoluene	148	C11H16	000098-51-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

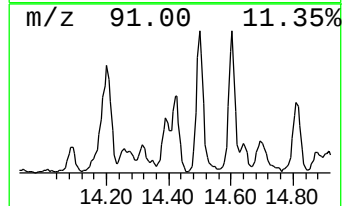
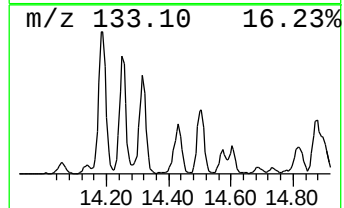
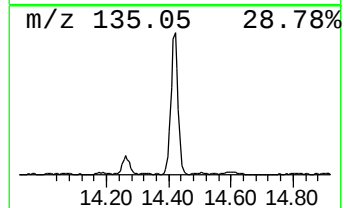
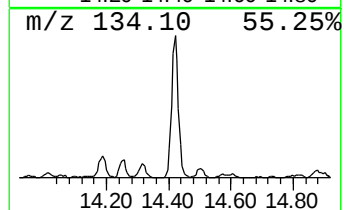
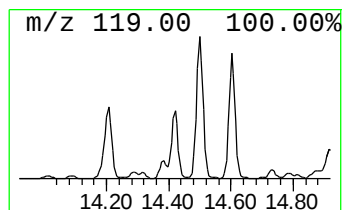
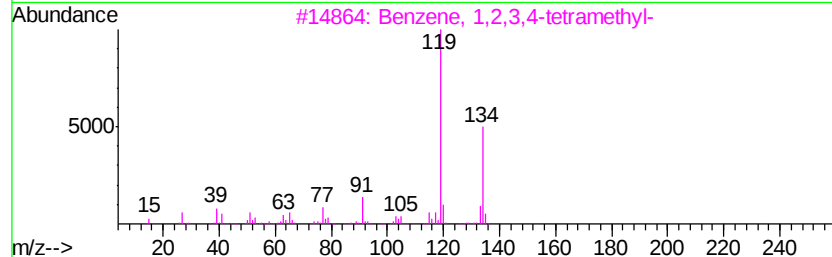
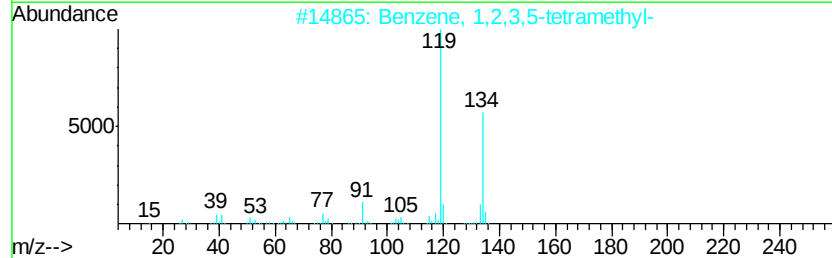
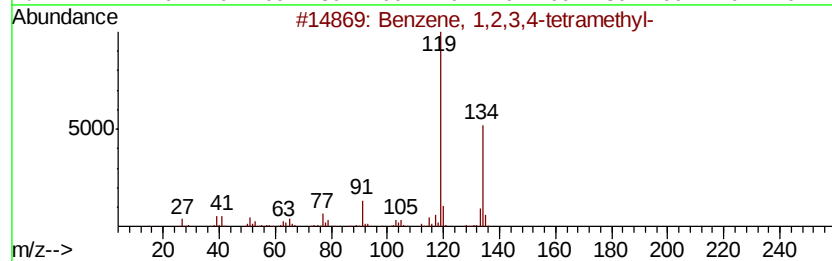
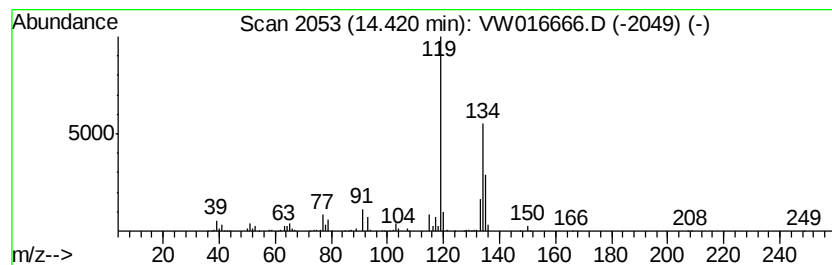
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.85 ug/L	388450	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
4			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

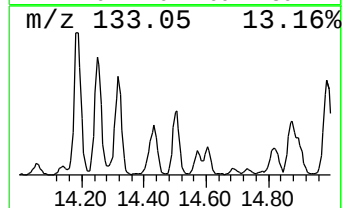
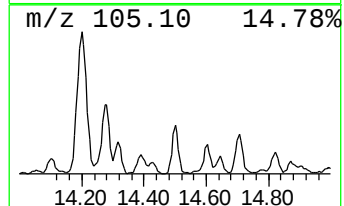
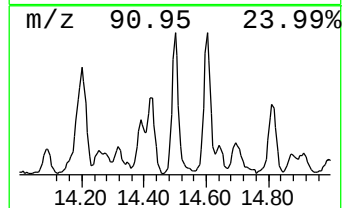
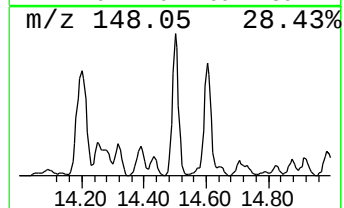
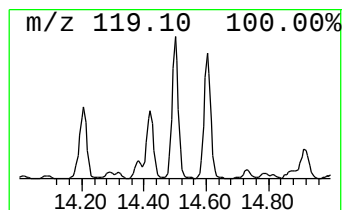
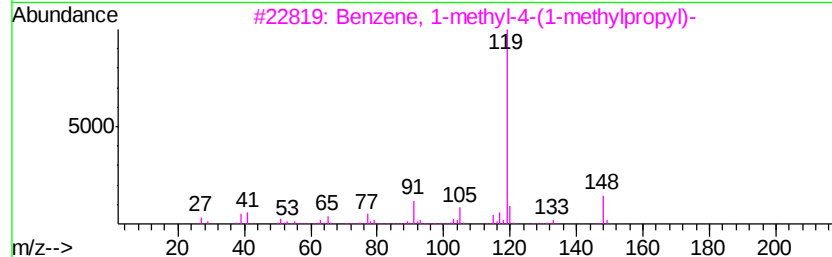
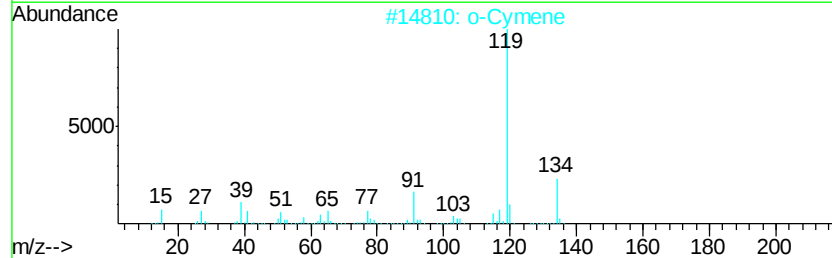
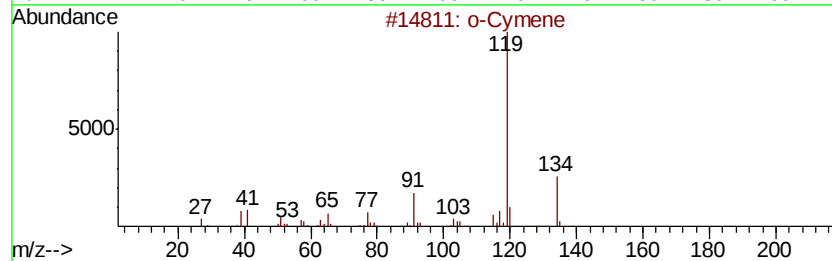
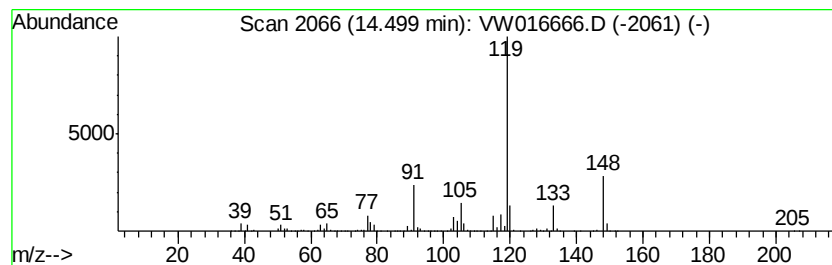
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Quant Title : VOC Analysis

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

Peak Number 22 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	5.46 ug/L	551245	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	91
2		o-Cymene	134	C10H14	000527-84-4	91
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

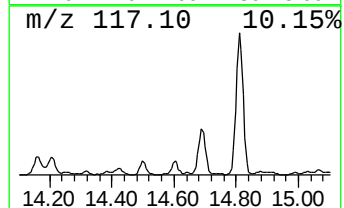
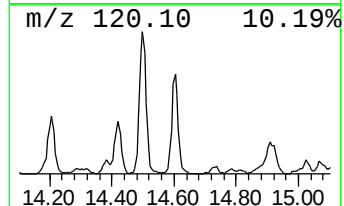
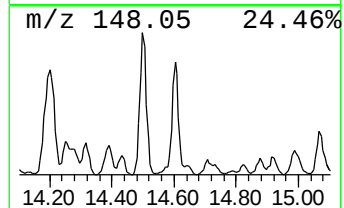
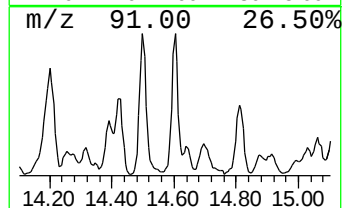
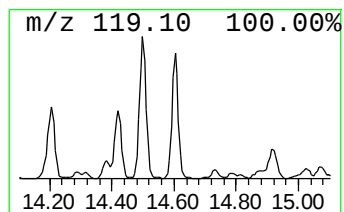
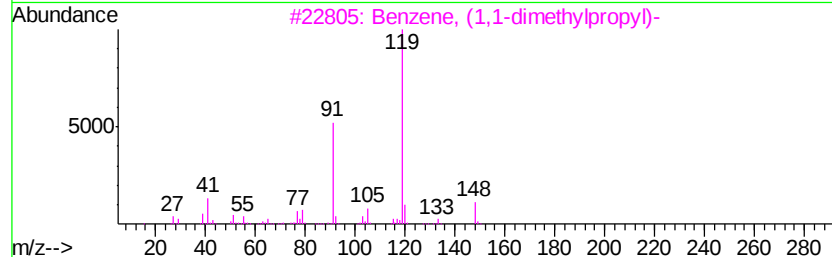
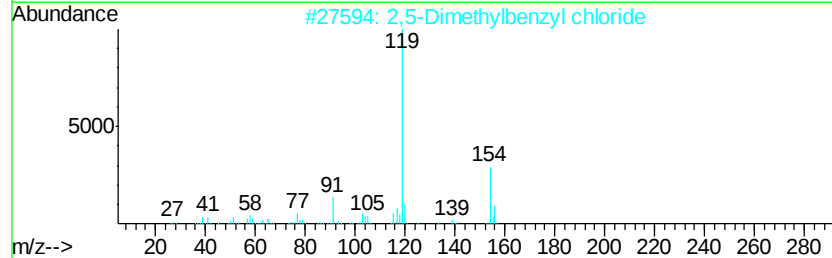
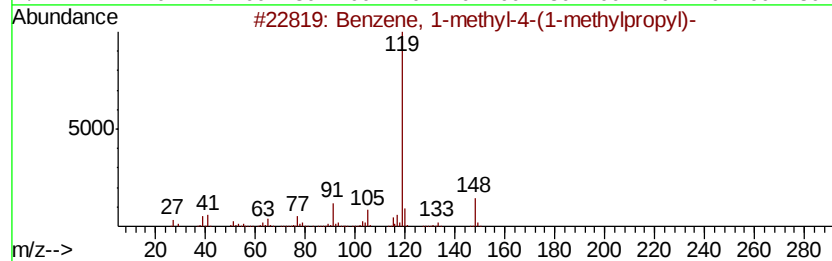
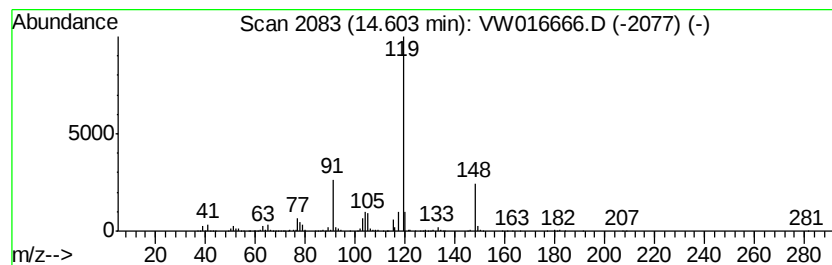
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.60	4.18 ug/L	421606	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2		2,5-Dimethylbenzyl chloride	154	C9H11Cl	000824-45-3	64
3		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

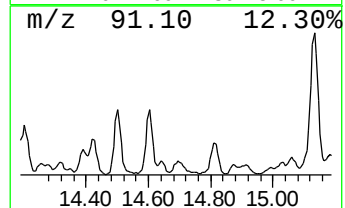
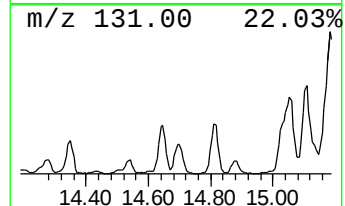
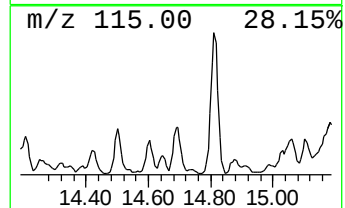
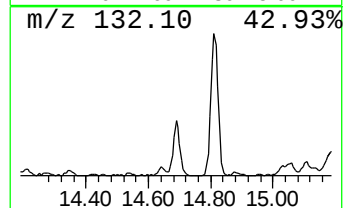
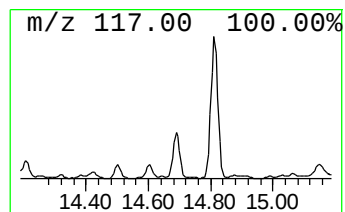
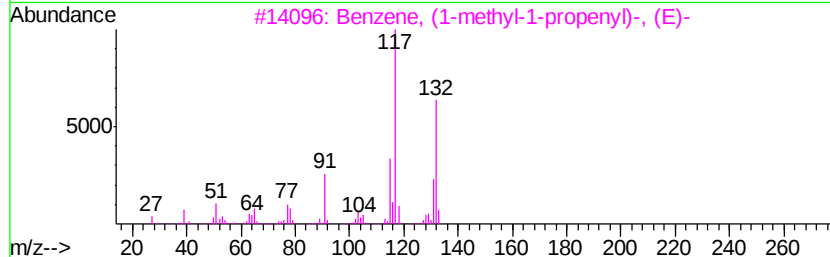
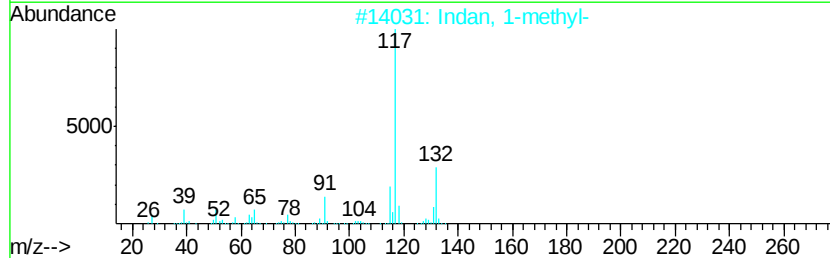
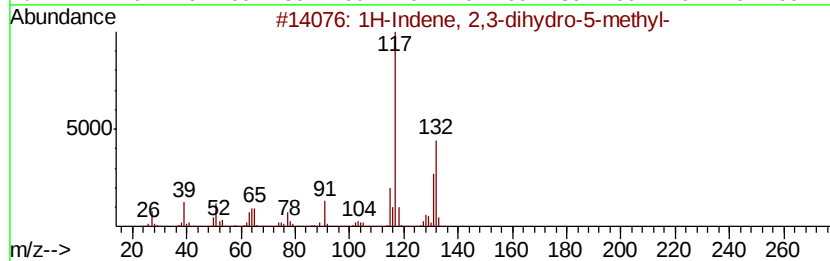
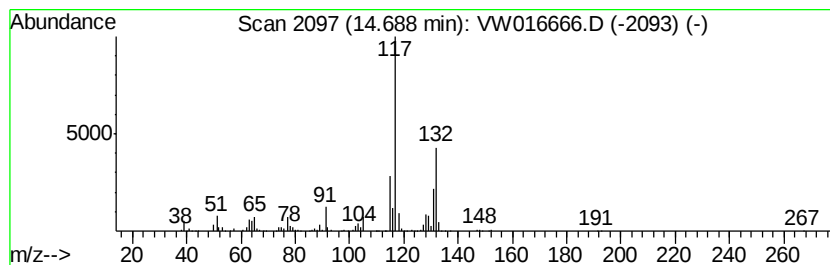
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 24 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.69	2.35 ug/L	237352	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

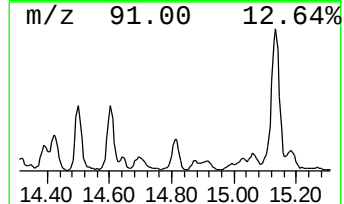
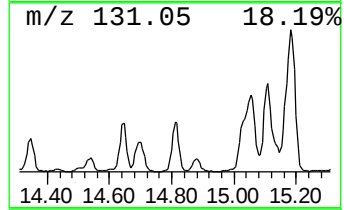
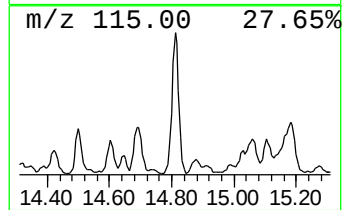
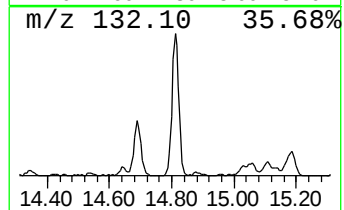
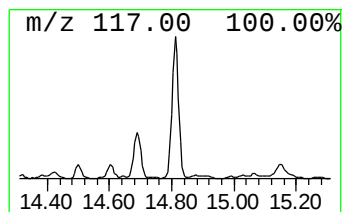
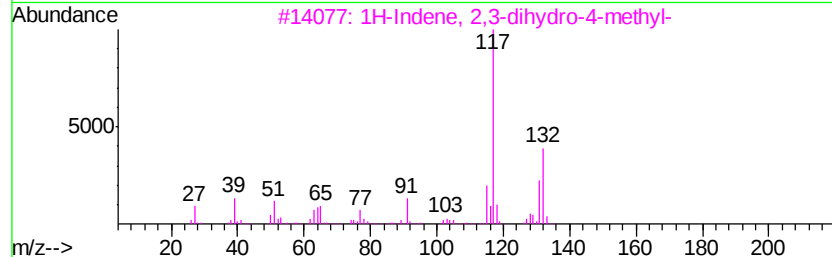
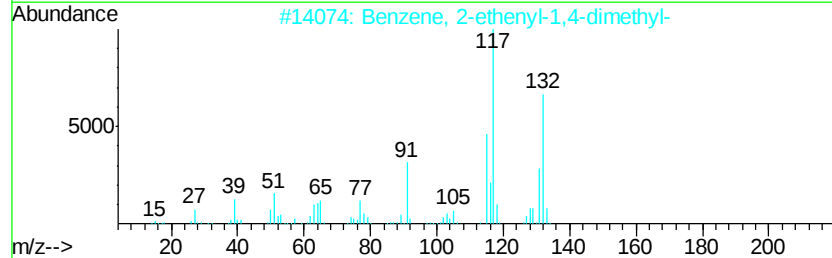
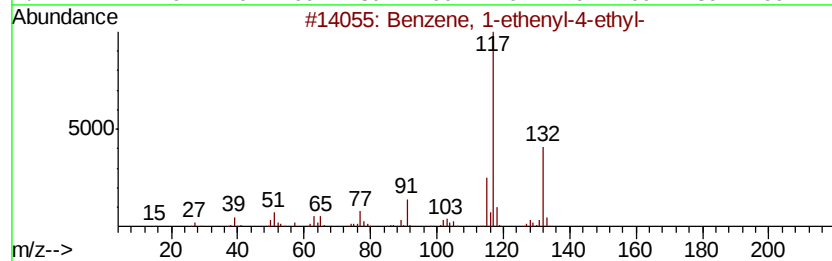
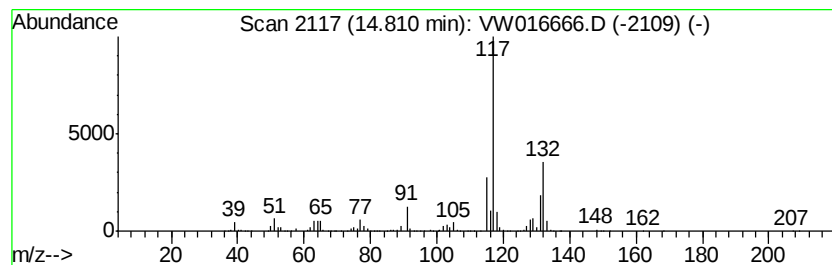
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.68 ug/L	572763	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

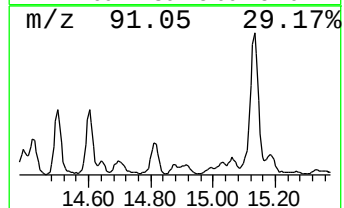
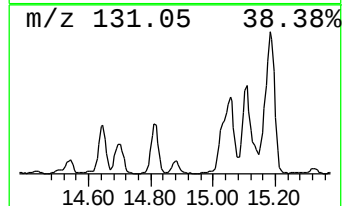
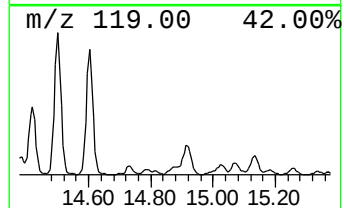
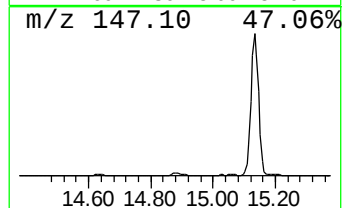
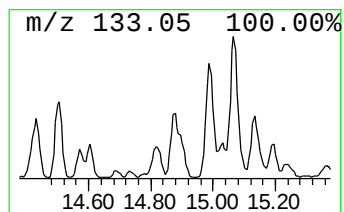
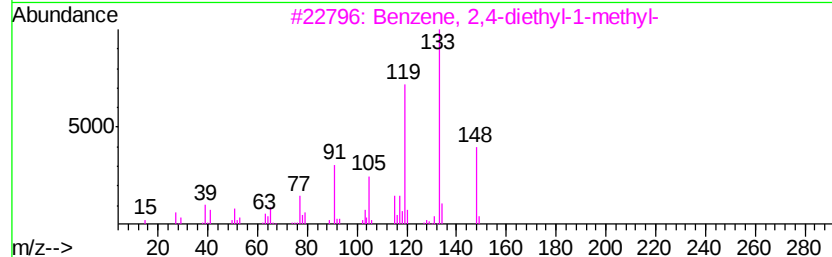
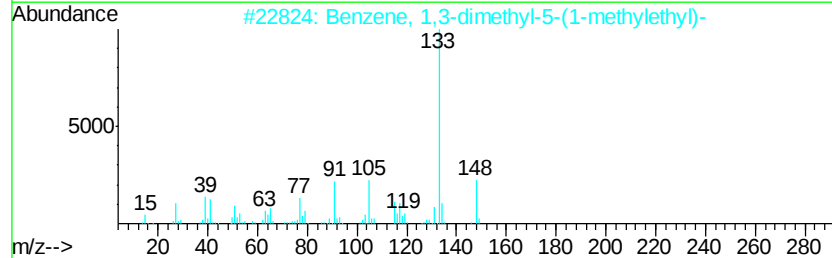
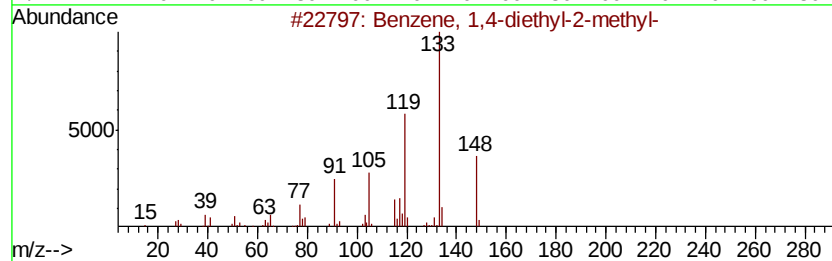
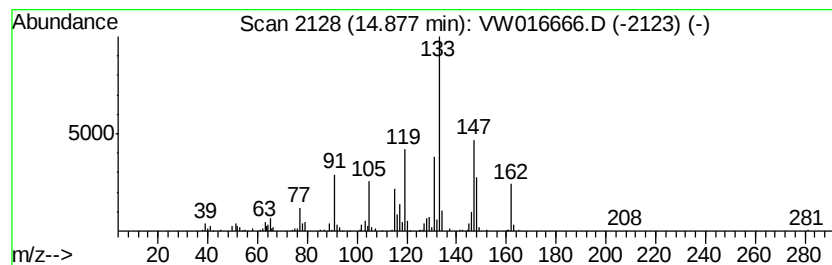
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1.27 ug/L	128229	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	60
2		Benzene, 1,3-dimethyl-5-(1-methyl-...	148	C11H16	004706-90-5	46
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	38
4		3,4-Dimethylcumene	148	C11H16	1000370-34-1	38
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

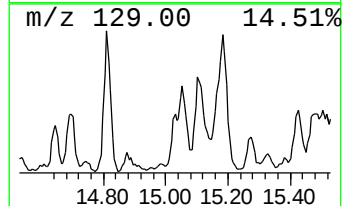
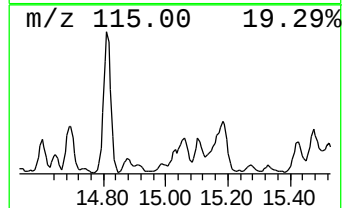
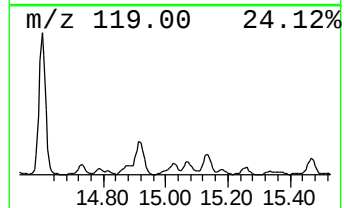
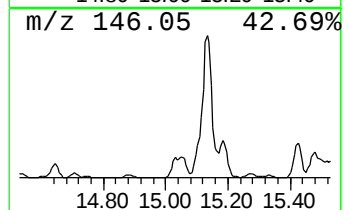
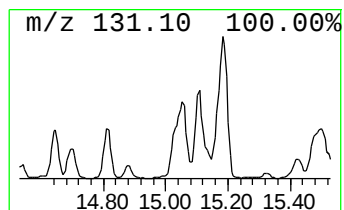
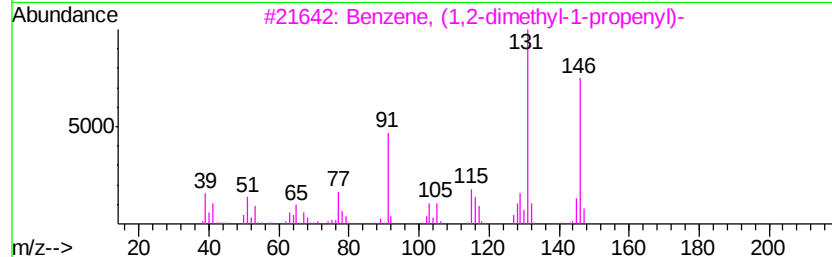
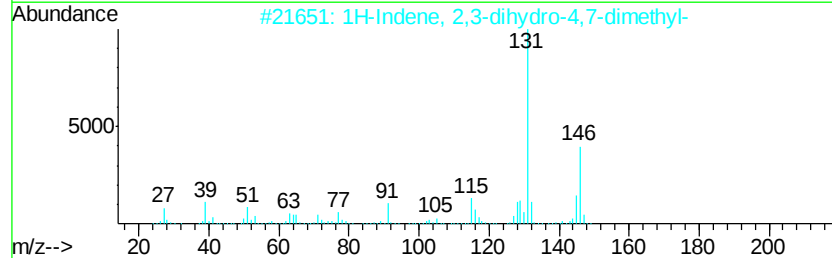
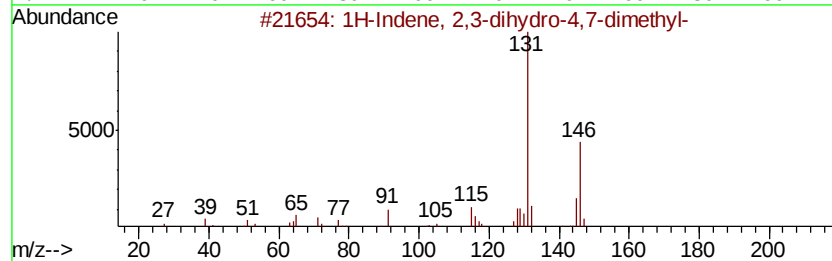
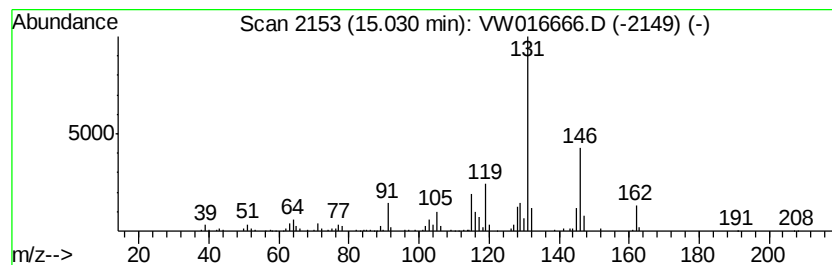
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Quant Title : VOC Analysis

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

Peak Number 27 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	1.71 ug/L	172129	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	95
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

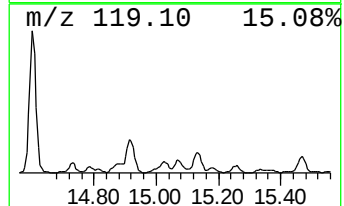
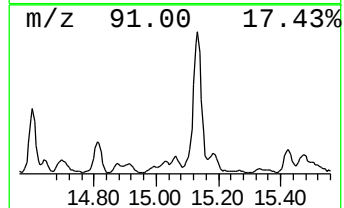
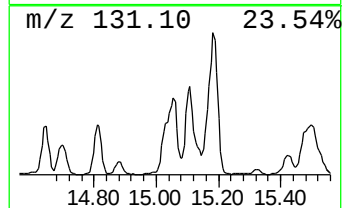
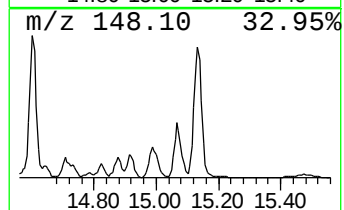
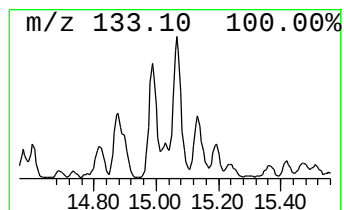
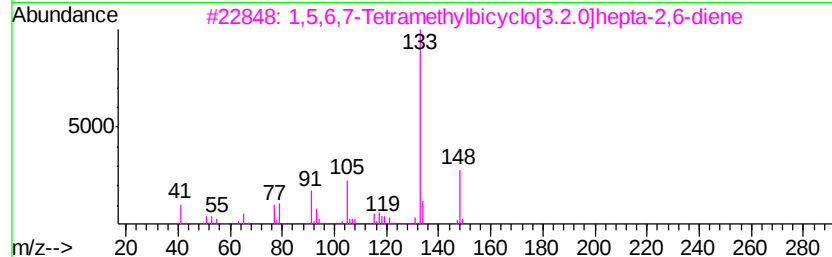
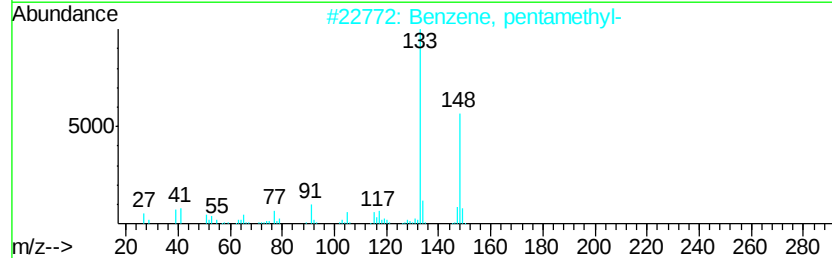
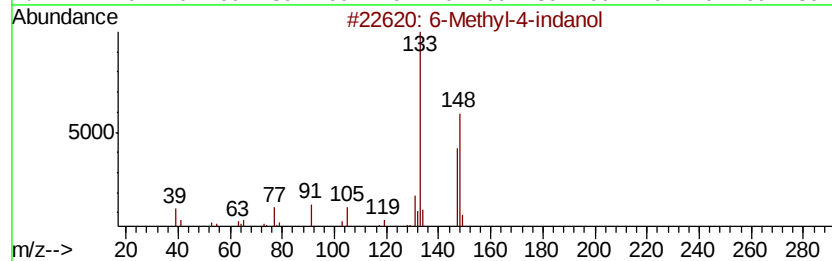
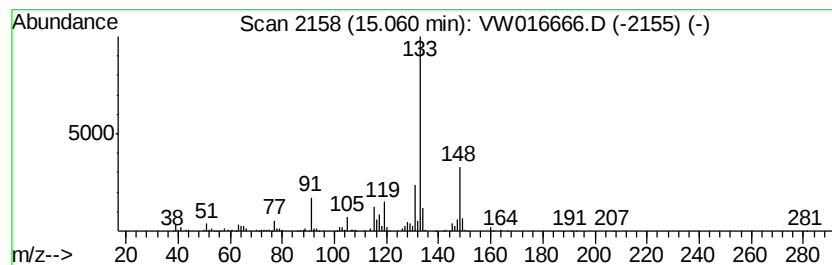
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Quant Title : VOC Analysis

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

Peak Number 28 6-Methyl-4-indanol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.67 ug/L	269617	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Methyl-4-indanol	148	C10H12O	020294-32-0	87
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	76
3		1,5,6,7-Tetramethylbicyclo[3.2.0]hepta-2,6-diene	148	C11H16	134329-46-7	72
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	68
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

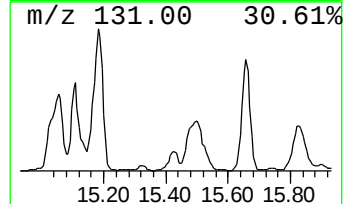
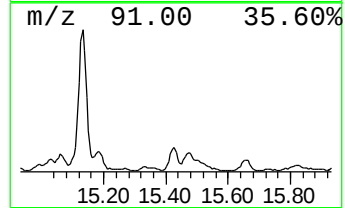
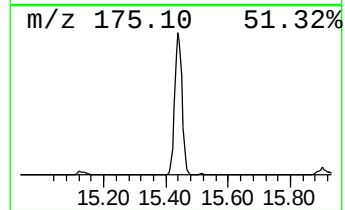
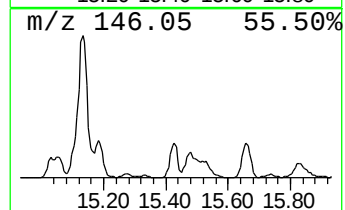
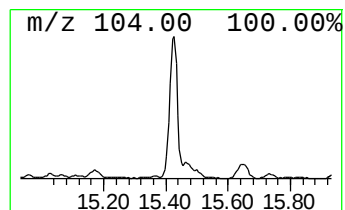
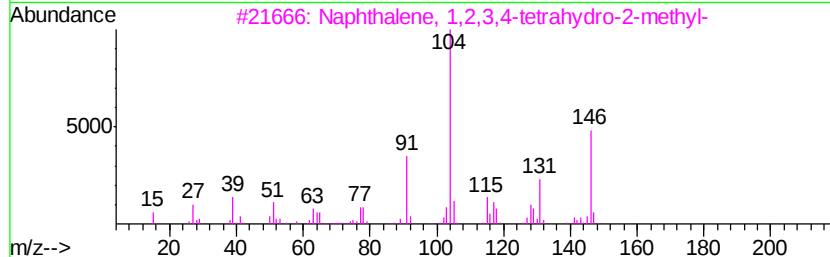
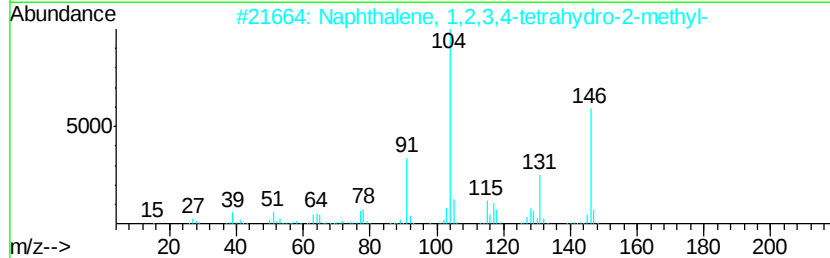
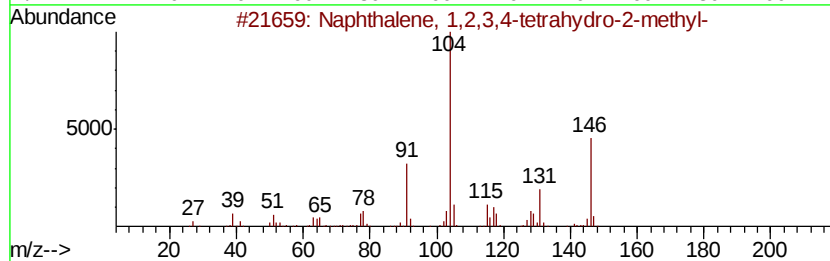
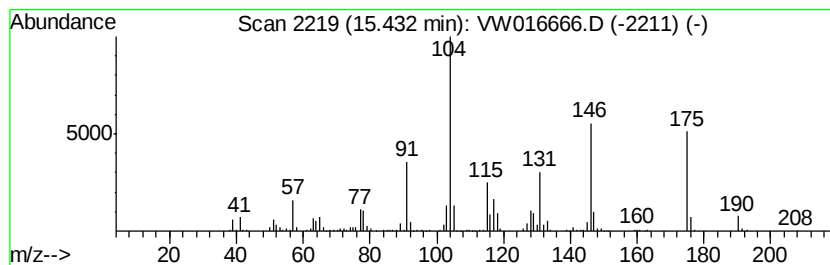
Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 29 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	2.96 ug/L	298390	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8 94
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8 94
3		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8 90
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	003877-19-8 89
5		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146 C10H10O	002461-34-9 64



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

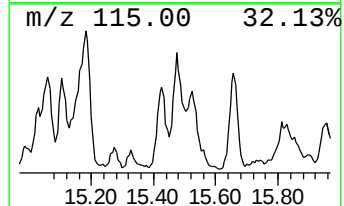
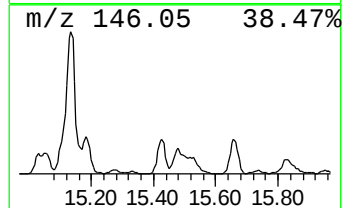
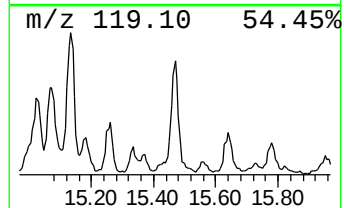
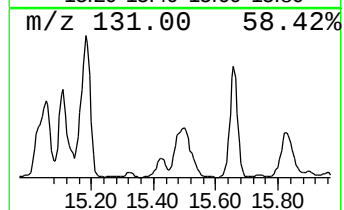
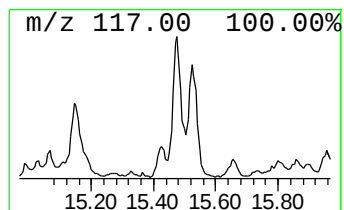
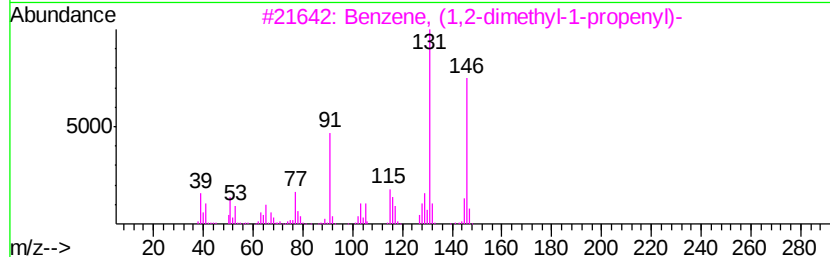
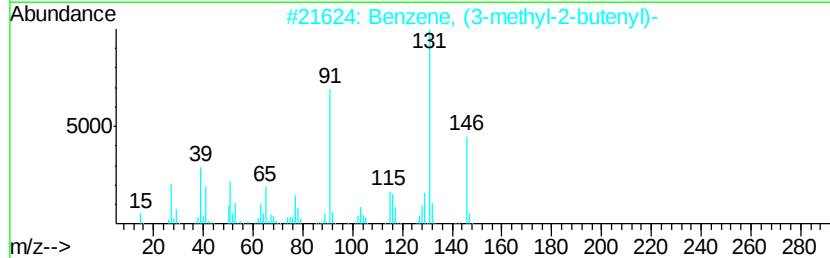
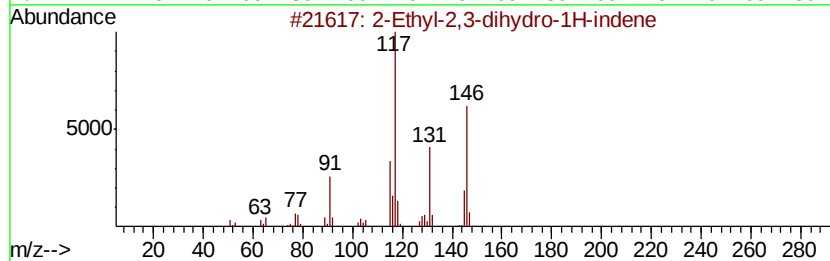
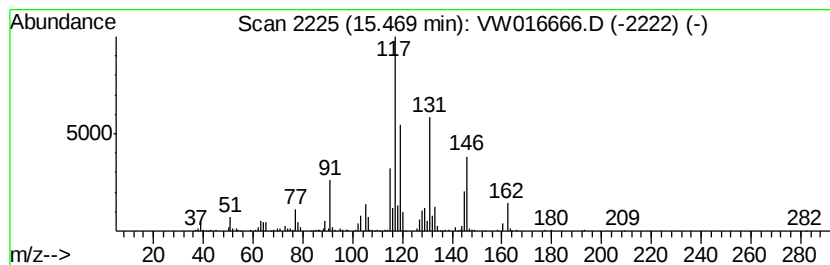
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Quant Title : VOC Analysis

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

Peak Number 30 unknown-01 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	1.75 ug/L	176182	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	49
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	46
4			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	45
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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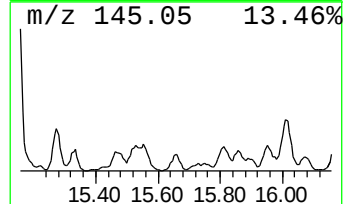
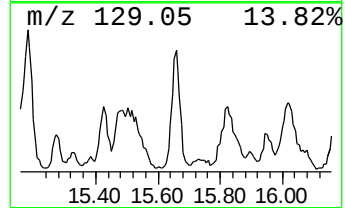
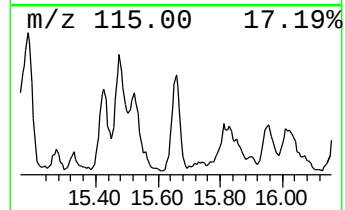
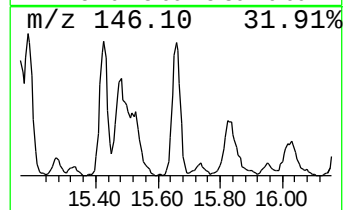
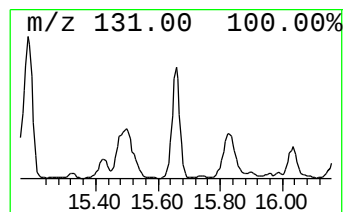
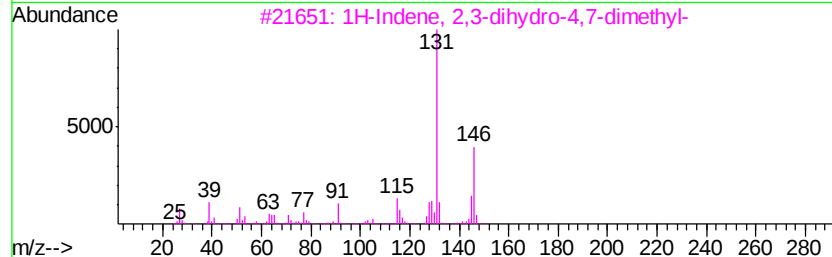
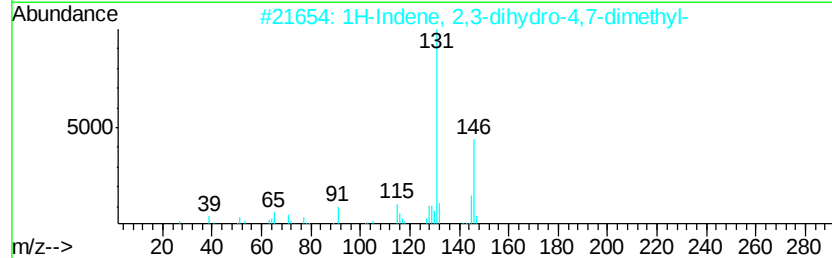
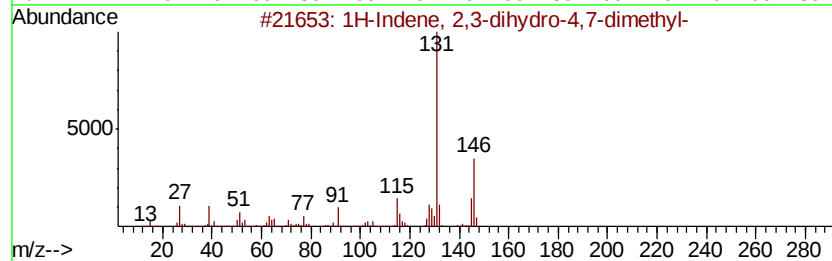
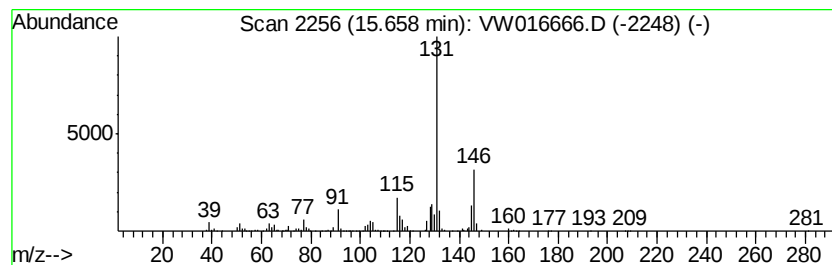
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Quant Title : VOC Analysis

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

Peak Number 31 1H-Indene, 2,3-dihydro-4,6-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	2.98 ug/L	300246	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
5		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

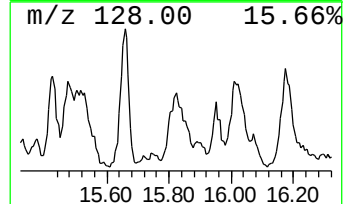
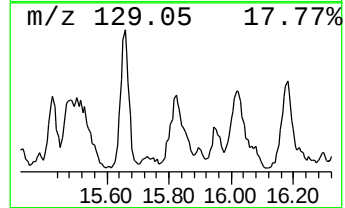
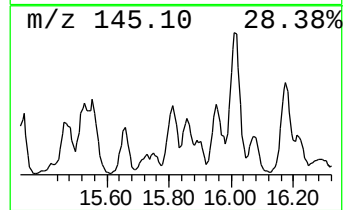
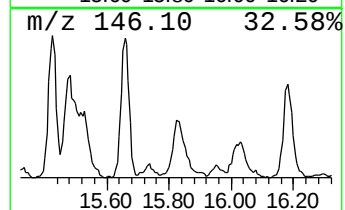
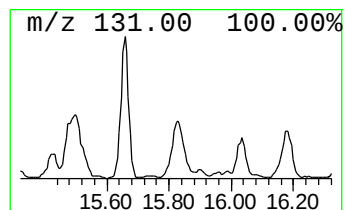
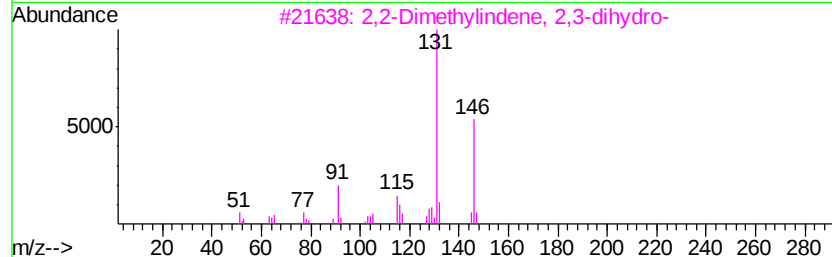
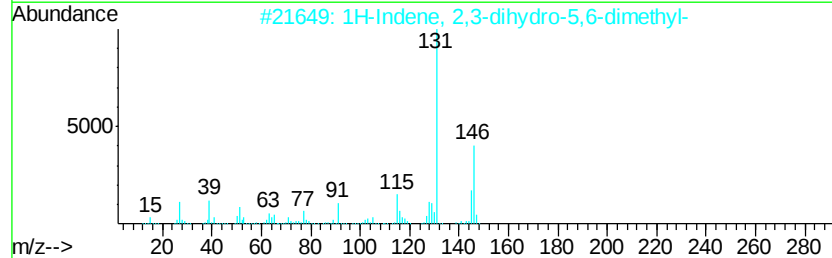
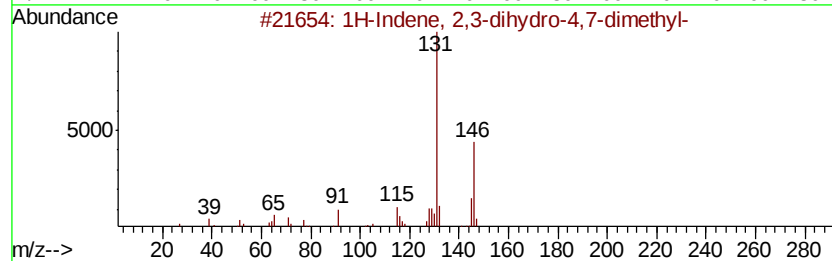
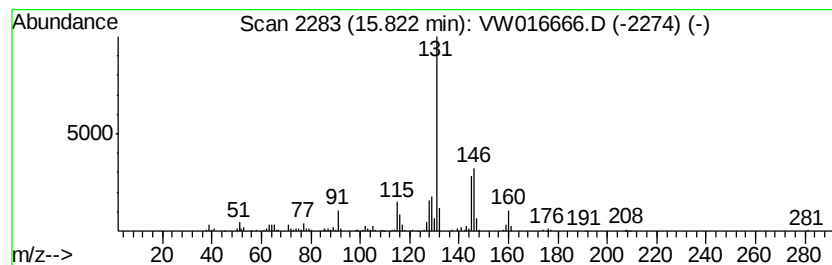
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Quant Title : VOC Analysis

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

Peak Number 32 2,2-Dimethylindene, 2,3-dih... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	1.84 ug/L	185880	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
3			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
5			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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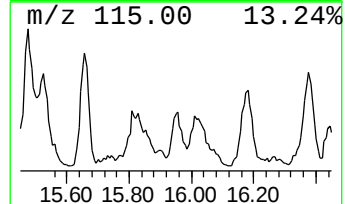
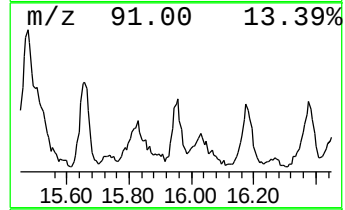
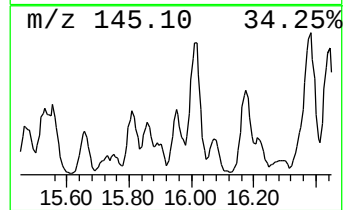
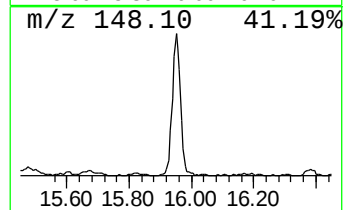
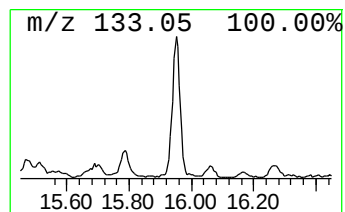
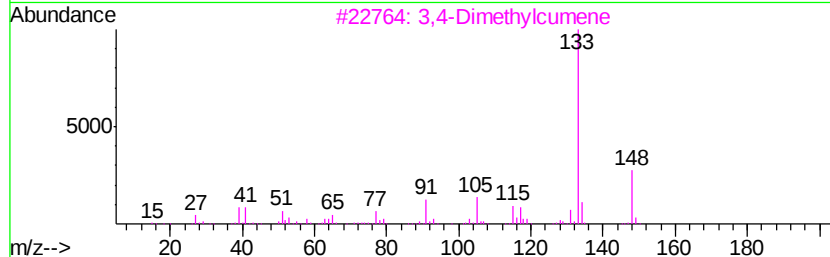
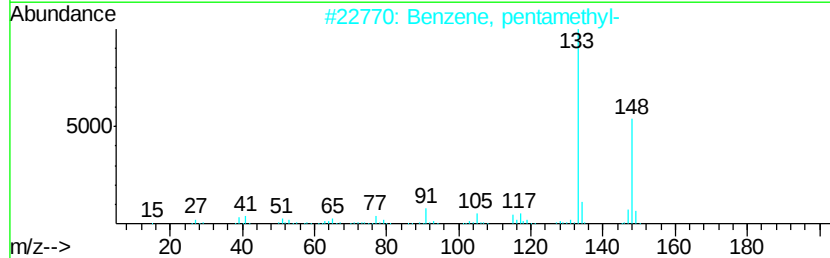
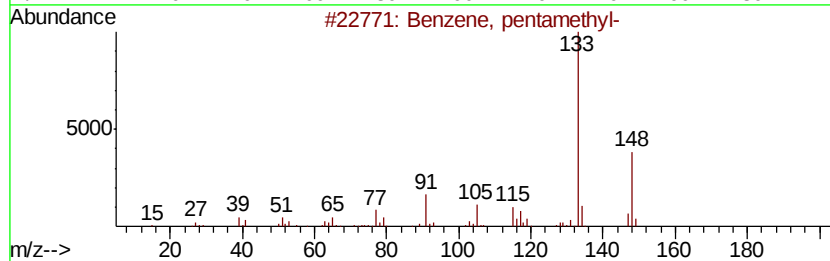
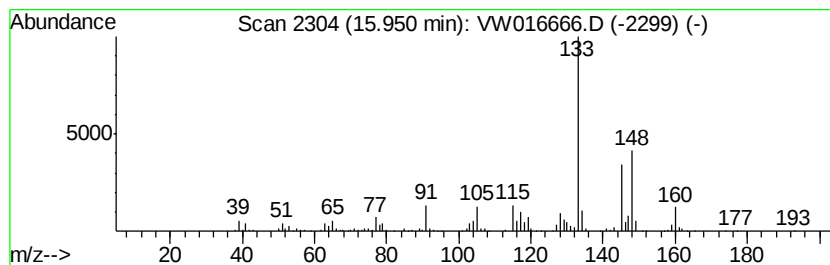
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, pentamethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	1.80 ug/L	182060	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	93
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	89
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	76
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	76
5		Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

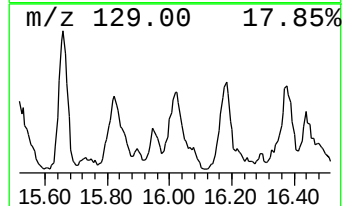
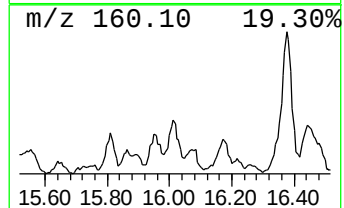
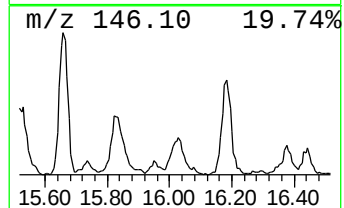
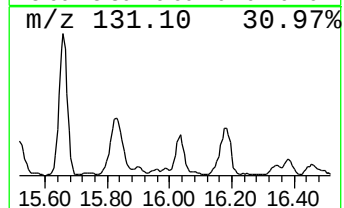
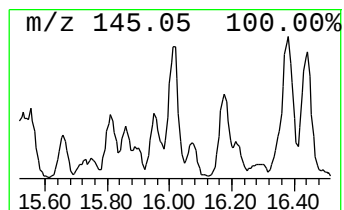
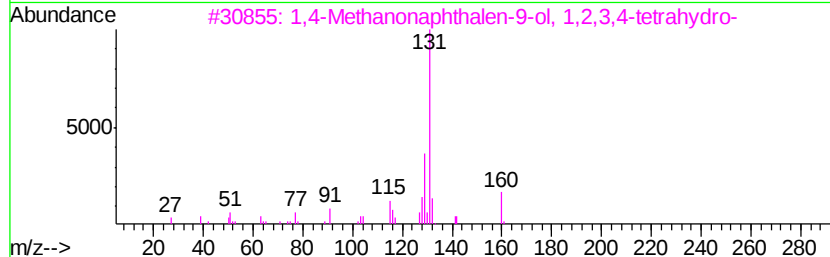
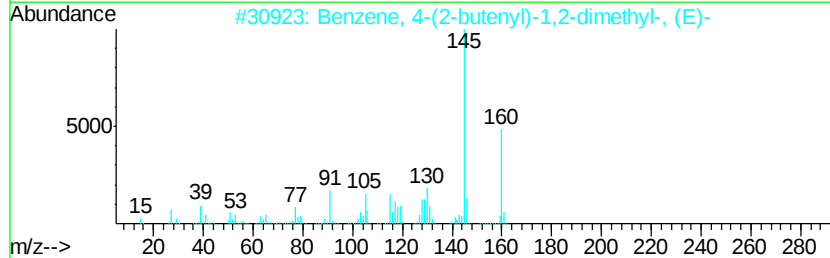
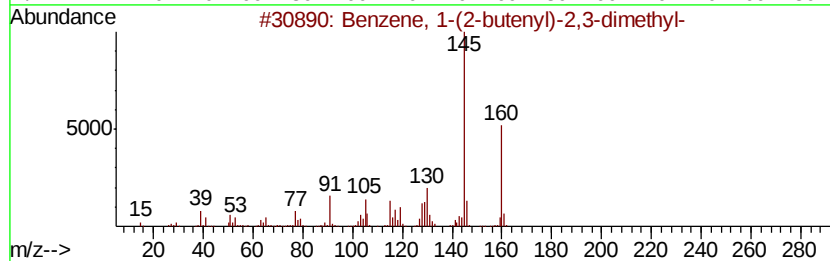
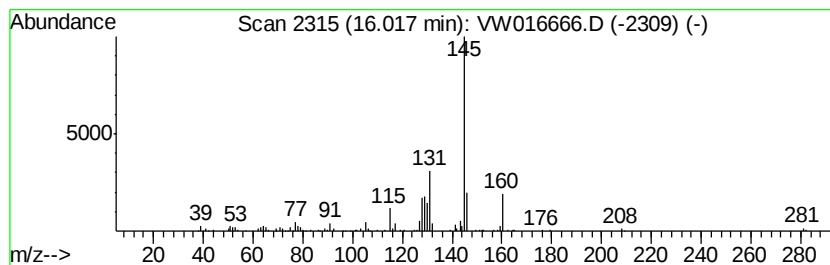
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Quant Title : VOC Analysis

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

Peak Number 34 unknown-02 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	2.65 ug/L	267379	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
2			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
3			1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	45
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	45
5			1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

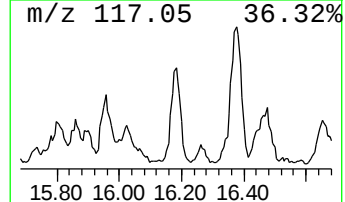
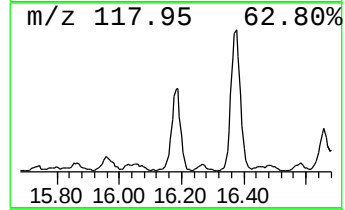
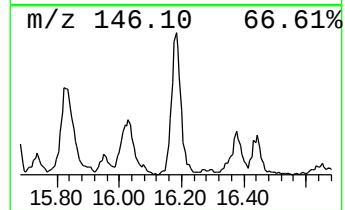
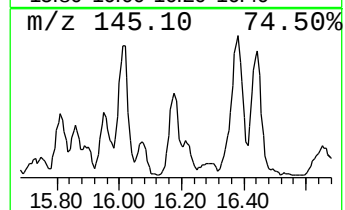
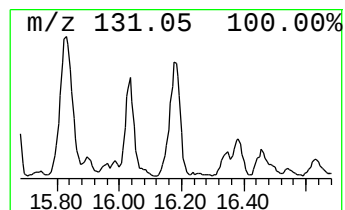
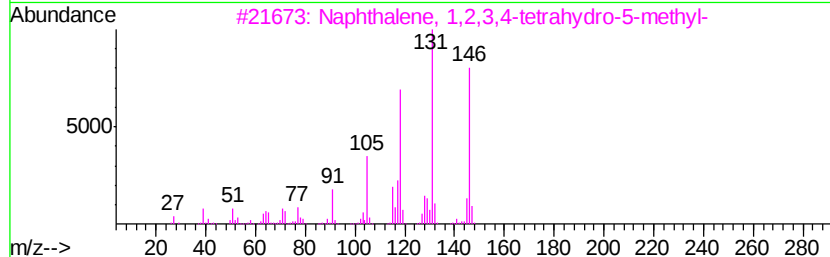
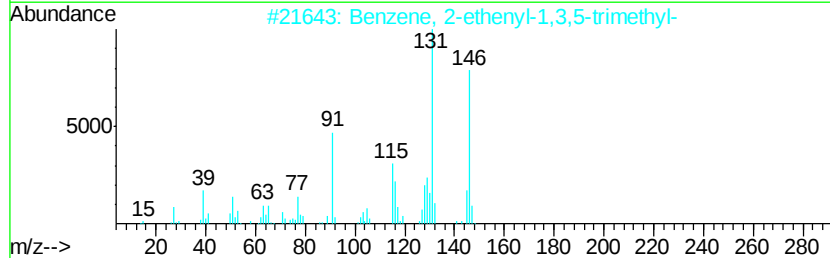
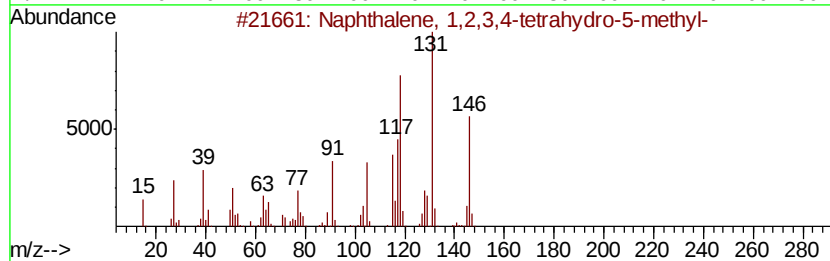
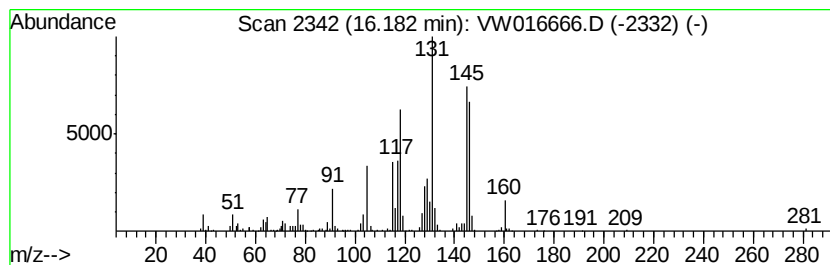
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Quant Title : VOC Analysis

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

Peak Number 35 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.71 ug/L	273411	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	83
2		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

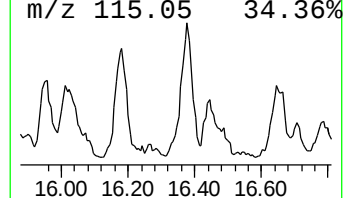
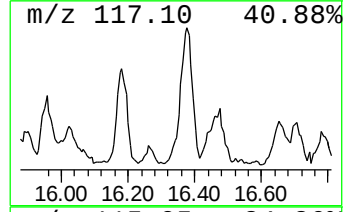
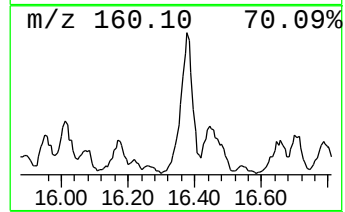
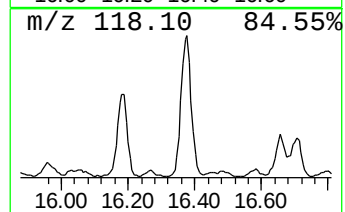
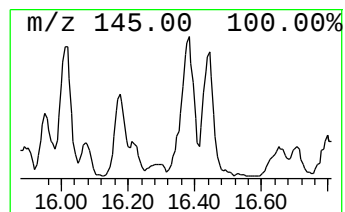
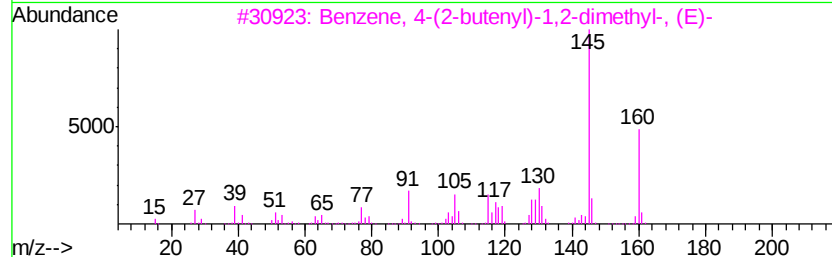
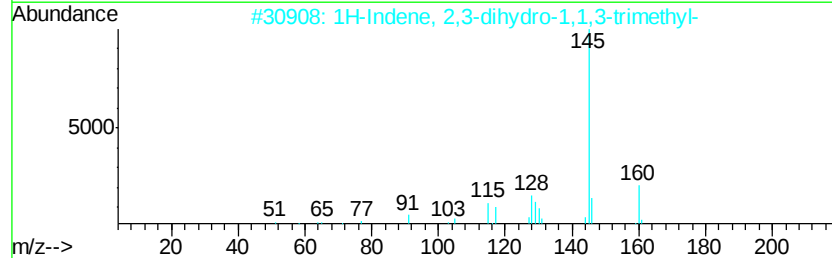
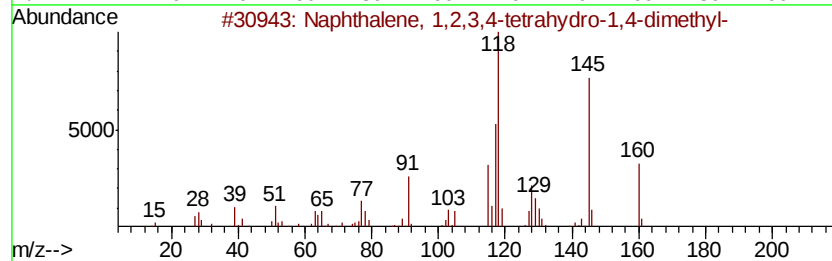
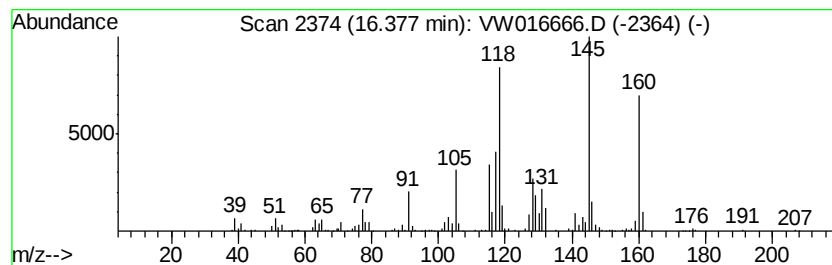
Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 36 Naphthalene, 1,2,3,4-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	3.13 ug/L	315836	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 96
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160 C12H16	002613-76-5 89
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160 C12H16	054340-86-2 86
4		Benzene, 1-(1-methylethenyl)-3-(...	160 C12H16	001129-29-9 60
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 60



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

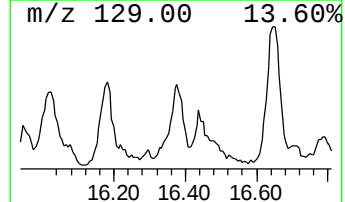
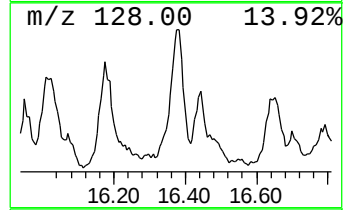
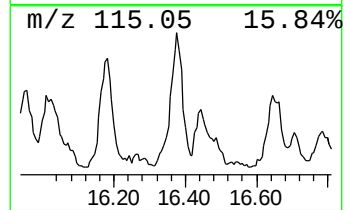
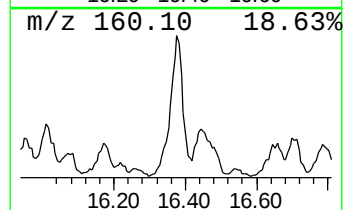
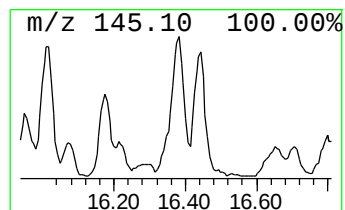
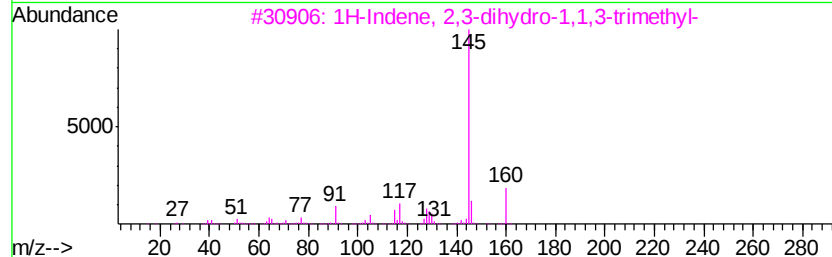
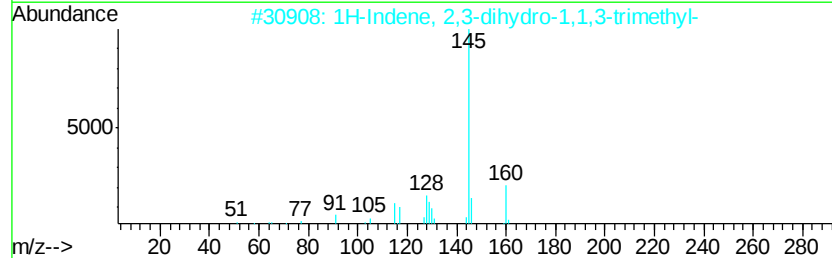
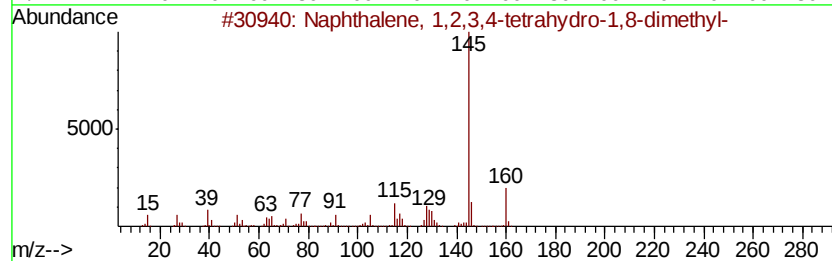
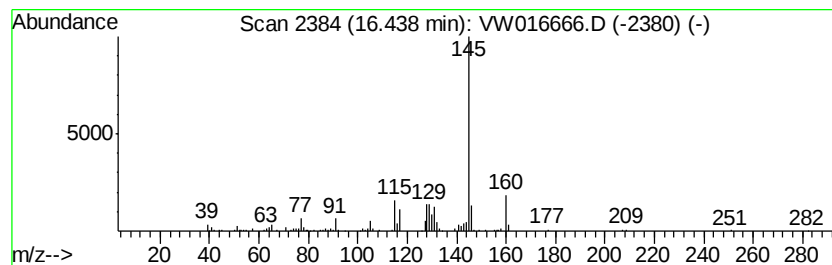
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Quant Title : VOC Analysis

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

Peak Number 37 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	1.71 ug/L	172458	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	93
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
5		1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW092820\
Data File : VW016666.D
Acq On : 28 Sep 2020 13:49
Operator : SY/VA
Sample : L4171-06
Misc : 6.08G/10ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3Y8

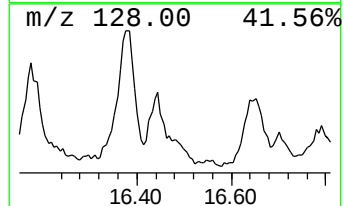
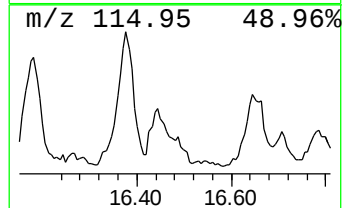
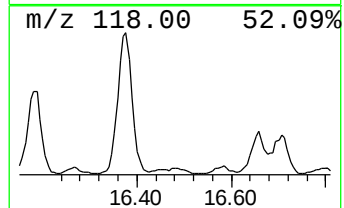
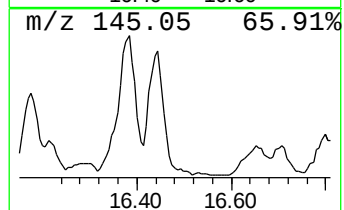
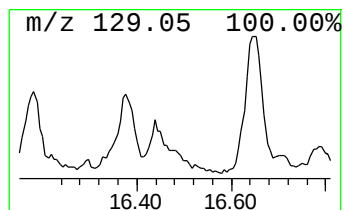
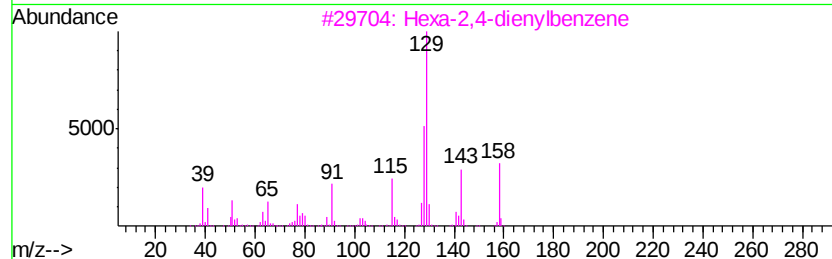
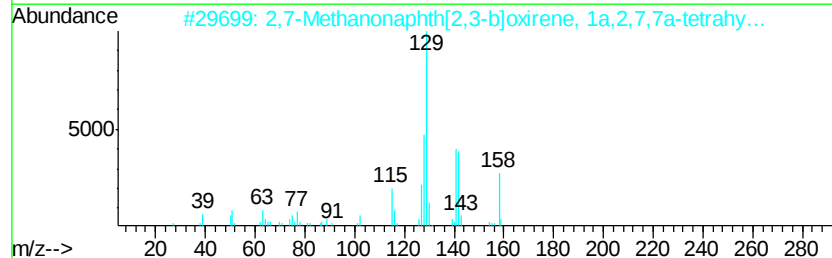
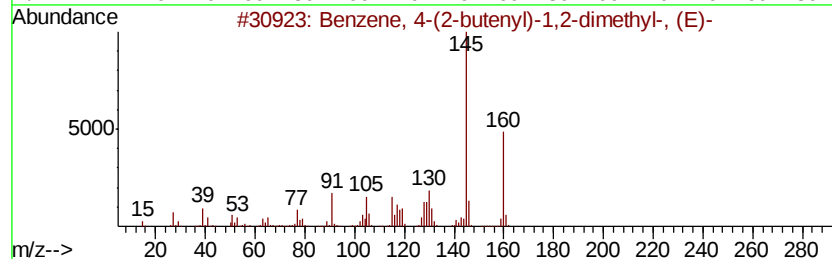
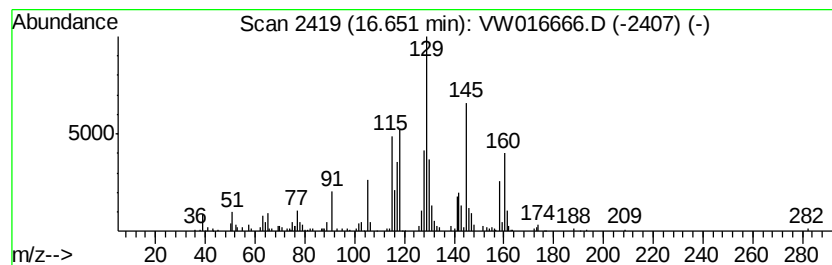
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 38 unknown-03 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	1.59 ug/L	160685	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	46
2			2,7-Methanonaphth[2,3-b]oxirene,...	158	C11H10O	013137-34-3	43
3			Hexa-2,4-dienylbenzene	158	C12H14	079482-86-3	41
4			Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	38
5			1-Hydroxymethyl-1,2,3,4-tetrahyd...	178	C11H14O2	343332-31-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092820\
 Data File : VW016666.D
 Acq On : 28 Sep 2020 13:49
 Operator : SY/VA
 Sample : L4171-06
 Misc : 6.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y8

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.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: Str...	5.45	7.8	ug/L	501711	1	8.85	1609070	25.0
(DEL) Alkane: Str...	6.73	8.6	ug/L	555568	1	8.85	1609070	25.0
(DEL) Alkane: Str...	6.88	7.4	ug/L	475302	1	8.85	1609070	25.0
(DEL) Alkane: Str...	9.08	1.5	ug/L	96876	1	8.85	1609070	25.0
(DEL) Alkane: Cyc...	9.76	1.4	ug/L	90065	1	8.85	1609070	25.0
(DEL) Alkane: Cyc...	10.49	2.0	ug/L	156715	2	11.63	1958240	25.0
(DEL) Alkane: Cyc...	10.67	5.0	ug/L	395942	2	11.63	1958240	25.0
(DEL) Alkane: Cyc...	10.76	2.2	ug/L	173228	2	11.63	1958240	25.0
(DEL) Alkane: Cyc...	11.23	2.2	ug/L	169494	2	11.63	1958240	25.0
Benzene, (1-methy...	13.38	2.4	ug/L	244699	3	13.56	2521890	25.0
Benzene, 1,4-diet...	13.72	5.4	ug/L	545950	3	13.56	2521890	25.0
Tetracyclo[3.3.1...	13.76	1.5	ug/L	147136	3	13.56	2521890	25.0
Benzene, 1,3-diet...	13.80	3.1	ug/L	316323	3	13.56	2521890	25.0
Benzene, 1,3-diet...	14.20	6.9	ug/L	699031	3	13.56	2521890	25.0
Benzene, 1-(1,1-d...	14.26	1.3	ug/L	128836	3	13.56	2521890	25.0
Benzene, 1-ethyl-...	14.32	1.5	ug/L	150277	3	13.56	2521890	25.0
Benzene, 1,2,3,4-...	14.42	3.9	ug/L	388450	3	13.56	2521890	25.0
o-Cymene	14.50	5.5	ug/L	551245	3	13.56	2521890	25.0
Benzene, 1-methyl...	14.60	4.2	ug/L	421606	3	13.56	2521890	25.0
1H-Indene, 2,3-di...	14.69	2.4	ug/L	237352	3	13.56	2521890	25.0
Benzene, 1-etheny...	14.81	5.7	ug/L	572763	3	13.56	2521890	25.0
Benzene, 1,4-diet...	14.88	1.3	ug/L	128229	3	13.56	2521890	25.0
1H-Indene, 2,3-di...	15.03	1.7	ug/L	172129	3	13.56	2521890	25.0
6-Methyl-4-indanol	15.06	2.7	ug/L	269617	3	13.56	2521890	25.0
Naphthalene, 1,2,...	15.43	3.0	ug/L	298390	3	13.56	2521890	25.0
unknown-01	15.47	1.8	ug/L	176182	3	13.56	2521890	25.0
1H-Indene, 2,3-di...	15.66	3.0	ug/L	300246	3	13.56	2521890	25.0
2,2-Dimethylinden...	15.82	1.8	ug/L	185880	3	13.56	2521890	25.0
Benzene, pentamet...	15.95	1.8	ug/L	182060	3	13.56	2521890	25.0
unknown-02	16.02	2.6	ug/L	267379	3	13.56	2521890	25.0
Naphthalene, 1,2,...	16.18	2.7	ug/L	273411	3	13.56	2521890	25.0
Naphthalene, 1,2,...	16.38	3.1	ug/L	315836	3	13.56	2521890	25.0
1H-Indene, 2,3-di...	16.44	1.7	ug/L	172458	3	13.56	2521890	25.0
unknown-03	16.65	1.6	ug/L	160685	3	13.56	2521890	25.0