

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013739.D
 Acq On : 25 Oct 2019 11:19
 Operator : SY/VA
 Sample : K5535-05
 Misc : 6.33G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK27

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\SOM2WLM101819S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.166	41	43	52	rVB4	3477	7069	0.29%	0.021%
2	2.361	68	75	85	rVB	121942	223816	9.09%	0.668%
3	2.891	155	162	176	rBV	82233	195863	7.95%	0.585%
4	3.025	178	184	195	rVB2	10096	25549	1.04%	0.076%
5	3.385	234	243	253	rBV4	6923	18001	0.73%	0.054%
6	4.019	336	347	362	rBV	176755	548386	22.26%	1.637%
7	4.909	478	493	520	rBV6	16802	90973	3.69%	0.272%
8	5.427	567	578	579	rBV	15814	26706	1.08%	0.080%
9	5.939	653	662	673	rVB3	10260	31666	1.29%	0.095%
10	6.708	778	788	789	rBV	7755	13661	0.55%	0.041%
11	6.878	804	816	824	rBV3	19716	59463	2.41%	0.177%
12	6.976	826	832	841	rVB5	6215	17926	0.73%	0.054%
13	7.079	841	849	855	rBV	34673	96556	3.92%	0.288%
14	7.646	929	942	960	rBV	244651	608261	24.70%	1.815%
15	7.921	979	987	998	rBV5	32209	107153	4.35%	0.320%
16	8.031	998	1005	1016	rVV2	49098	127327	5.17%	0.380%
17	8.152	1017	1025	1031	rVV3	37924	91050	3.70%	0.272%
18	8.274	1031	1045	1062	rVV2	530127	1552623	63.04%	4.634%
19	8.433	1062	1071	1077	rVV3	32426	91131	3.70%	0.272%
20	8.506	1077	1083	1088	rVV3	19019	44953	1.83%	0.134%
21	8.573	1088	1094	1106	rVV2	48897	118259	4.80%	0.353%
22	8.695	1106	1114	1123	rVB2	52469	104765	4.25%	0.313%
23	8.841	1129	1138	1151	rVV	406139	801800	32.55%	2.393%
24	9.146	1181	1188	1195	rVB2	13213	28484	1.16%	0.085%
25	9.274	1200	1209	1214	rBV	341834	809802	32.88%	2.417%
26	9.335	1215	1219	1224	rVV	313461	636653	25.85%	1.900%
27	9.384	1224	1227	1235	rVB	72713	125113	5.08%	0.373%
28	9.518	1244	1249	1253	rVV2	7903	15489	0.63%	0.046%
29	9.610	1253	1264	1273	rVB2	108822	265771	10.79%	0.793%
30	9.750	1280	1287	1296	rBV2	74643	151439	6.15%	0.452%
31	9.902	1304	1312	1315	rBV	57431	113573	4.61%	0.339%
32	9.957	1315	1321	1329	rVV2	215975	472929	19.20%	1.411%
33	10.036	1329	1334	1338	rVV	151435	277269	11.26%	0.828%
34	10.091	1338	1343	1356	rVB2	151347	394785	16.03%	1.178%

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Integrator: RTE
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 Title : VOC Analysis

35	10.213	1356	1363	1365	rBV3	28436	52292	2.12%	0.156%
36	10.323	1373	1381	1396	rBV	991686	2030995	82.46%	6.062%
37	10.445	1396	1401	1403	rBV4	11037	16962	0.69%	0.051%
38	10.506	1403	1411	1417	rVB3	250052	486008	19.73%	1.451%
39	10.579	1417	1423	1427	rBV	98797	177173	7.19%	0.529%
40	10.615	1427	1429	1432	rVV	20628	26024	1.06%	0.078%
41	10.664	1432	1437	1447	rVB2	169617	309638	12.57%	0.924%
42	10.762	1447	1453	1457	rBV2	100280	200963	8.16%	0.600%
43	10.847	1463	1467	1472	rVB	51614	85195	3.46%	0.254%
44	10.932	1472	1481	1488	rBV2	306411	587179	23.84%	1.752%
45	11.036	1492	1498	1506	rBV	95817	192482	7.81%	0.574%
46	11.109	1506	1510	1513	rBV2	43278	69036	2.80%	0.206%
47	11.176	1513	1521	1525	rBV	220631	367074	14.90%	1.096%
48	11.231	1525	1530	1535	rVB	236454	404140	16.41%	1.206%
49	11.286	1535	1539	1543	rVB	51223	71391	2.90%	0.213%
50	11.341	1543	1548	1552	rBV	118593	194444	7.89%	0.580%
51	11.414	1552	1560	1570	rVB4	236626	668649	27.15%	1.996%
52	11.512	1570	1576	1587	rVB	211816	346485	14.07%	1.034%
53	11.627	1588	1595	1604	rBV	450253	802650	32.59%	2.396%
54	11.725	1606	1611	1614	rBV3	18985	33355	1.35%	0.100%
55	11.768	1614	1618	1621	rBV2	34590	54160	2.20%	0.162%
56	11.841	1621	1630	1633	rBV	375317	649984	26.39%	1.940%
57	11.975	1648	1652	1653	rBV2	17409	23501	0.95%	0.070%
58	12.054	1659	1665	1671	rVB4	64438	149659	6.08%	0.447%
59	12.133	1671	1678	1685	rBV3	183097	444213	18.03%	1.326%
60	12.249	1690	1697	1702	rVB2	187028	341543	13.87%	1.019%
61	12.304	1702	1706	1708	rBV3	86345	138739	5.63%	0.414%
62	12.365	1712	1716	1724	rVB2	242702	577467	23.44%	1.723%
63	12.505	1734	1739	1742	rBV2	142190	247314	10.04%	0.738%
64	12.615	1753	1757	1759	rBV3	36826	54754	2.22%	0.163%
65	12.652	1759	1763	1766	rVV	98552	156740	6.36%	0.468%
66	12.694	1766	1770	1776	rVV	215361	369601	15.01%	1.103%
67	12.780	1780	1784	1790	rVB2	125109	219818	8.92%	0.656%
68	12.859	1791	1797	1801	rBV4	58855	123185	5.00%	0.368%
69	12.932	1802	1809	1815	rVV2	884421	1534704	62.31%	4.580%
70	12.993	1815	1819	1824	rVB2	97587	158041	6.42%	0.472%
71	13.078	1829	1833	1836	rBV3	52724	72689	2.95%	0.217%

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72	13.127	1836	1841	1843	rVV2	51045	87334	3.55%	0.261%
73	13.164	1843	1847	1855	rVB2	229570	353472	14.35%	1.055%
74	13.292	1865	1868	1872	rVB2	37293	50942	2.07%	0.152%
75	13.341	1873	1876	1879	rBV3	32515	46068	1.87%	0.137%
76	13.450	1886	1894	1897	rBV2	191947	404504	16.42%	1.207%
77	13.517	1903	1905	1907	rBV2	35308	41048	1.67%	0.123%
78	13.554	1907	1911	1919	rVB2	430854	690968	28.05%	2.062%
79	13.621	1919	1922	1929	rVB	98660	141547	5.75%	0.422%
80	13.694	1931	1934	1938	rVB3	27270	38065	1.55%	0.114%
81	13.871	1954	1963	1968	rBV2	1439635	2463077	100.00%	7.351%
82	13.920	1968	1971	1976	rVB2	73649	107575	4.37%	0.321%
83	13.981	1977	1981	1984	rBV3	49922	71772	2.91%	0.214%
84	14.133	2003	2006	2011	rVB2	65999	97040	3.94%	0.290%
85	14.200	2013	2017	2021	rVV4	33096	54525	2.21%	0.163%
86	14.261	2024	2027	2034	rVV7	47594	103816	4.21%	0.310%
87	14.389	2038	2048	2052	rVV4	272688	670874	27.24%	2.002%
88	14.432	2052	2055	2062	rVV	145475	220555	8.95%	0.658%
89	14.499	2062	2066	2069	rVV2	100043	138689	5.63%	0.414%
90	14.548	2070	2074	2080	rVB5	87200	141719	5.75%	0.423%
91	14.724	2097	2103	2110	rBV	1261170	1802957	73.20%	5.381%
92	14.798	2111	2115	2118	rVV3	92508	166446	6.76%	0.497%
93	14.840	2118	2122	2129	rVB	238181	416002	16.89%	1.242%
94	15.249	2186	2189	2197	rVB3	167917	362860	14.73%	1.083%
95	15.328	2197	2202	2209	rVB	292675	466420	18.94%	1.392%
96	15.554	2234	2239	2248	rVB	1079132	1698188	68.95%	5.068%
97	16.139	2332	2335	2338	rBV	69664	115780	4.70%	0.346%
98	16.218	2345	2348	2354	rVB3	115397	190401	7.73%	0.568%
99	16.285	2354	2359	2367	rVB	154230	303283	12.31%	0.905%
100	16.499	2387	2394	2400	rBV	722923	1327714	53.90%	3.963%

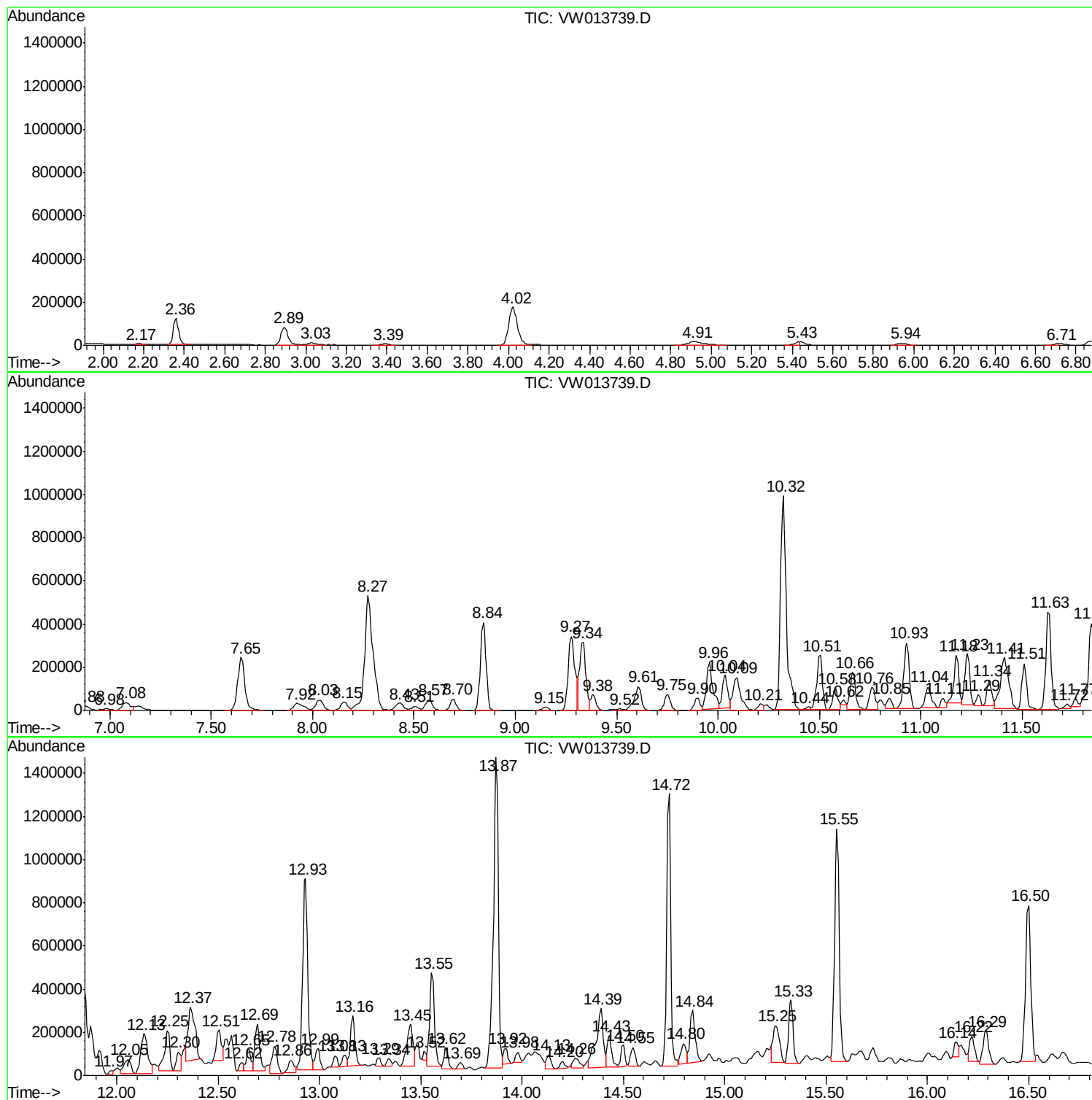
Sum of corrected areas: 33506152

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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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



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Instrument :
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ClientSampleId :
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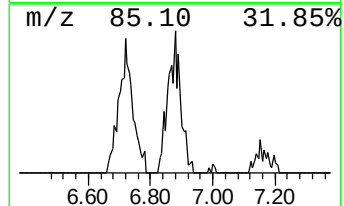
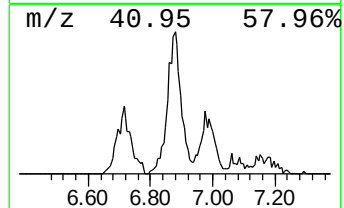
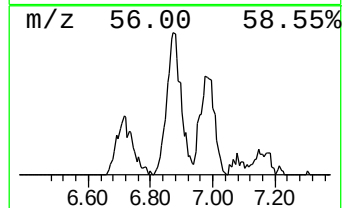
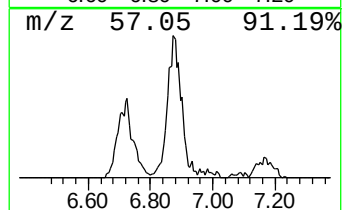
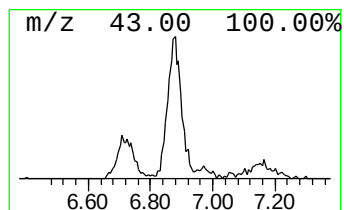
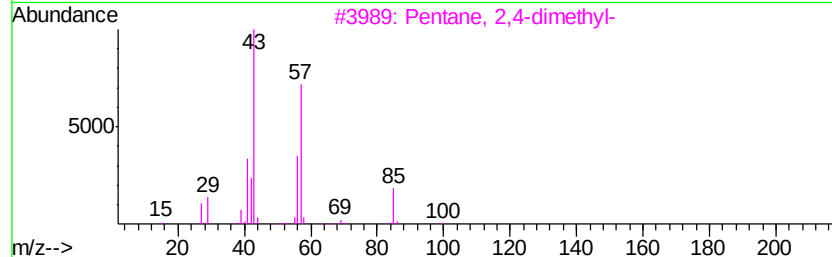
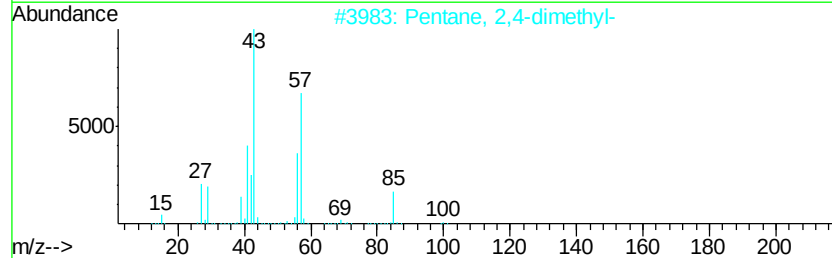
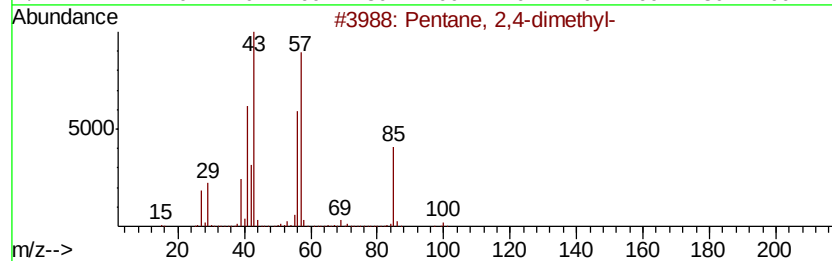
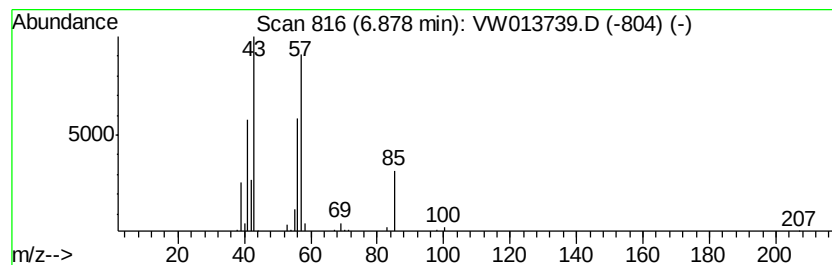
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.88	1.85 ug/L	59463	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
3		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5		Heptane, 3-methyl-	114	C8H18	000589-81-1	50



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Instrument :
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ClientSampled :
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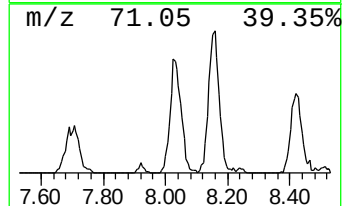
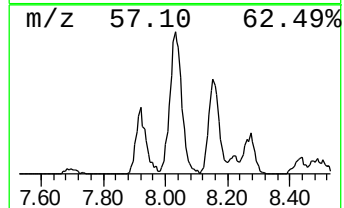
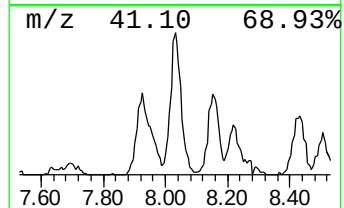
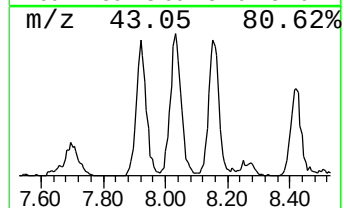
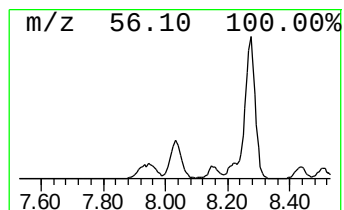
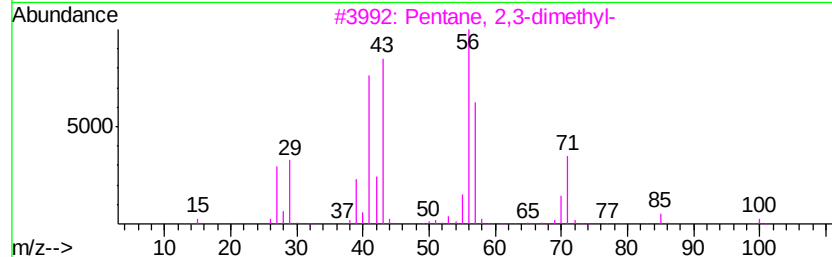
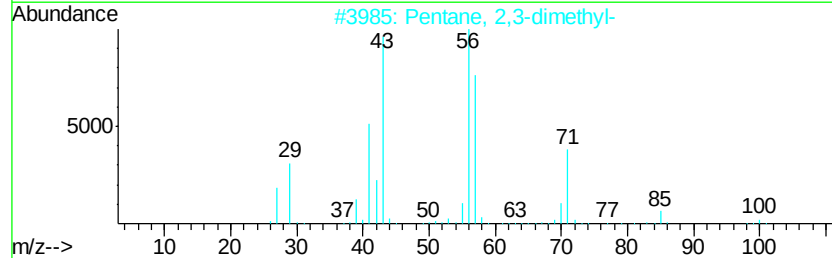
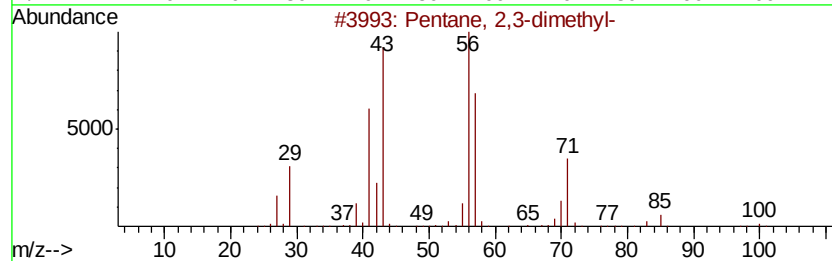
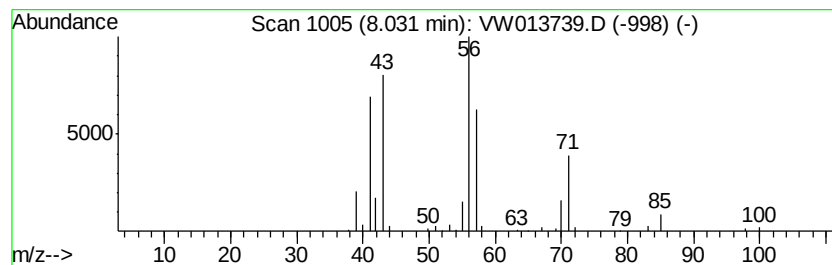
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	3.97 ug/L	127327	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
5		Heptane	100	C7H16	000142-82-5	47



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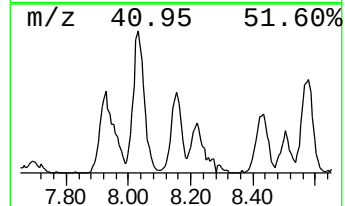
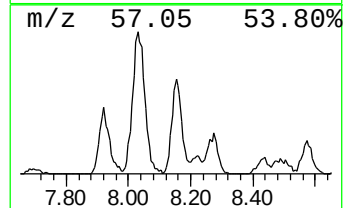
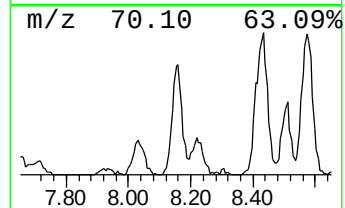
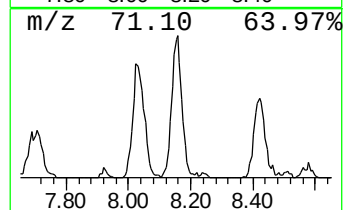
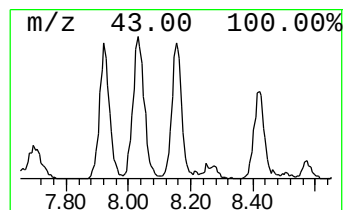
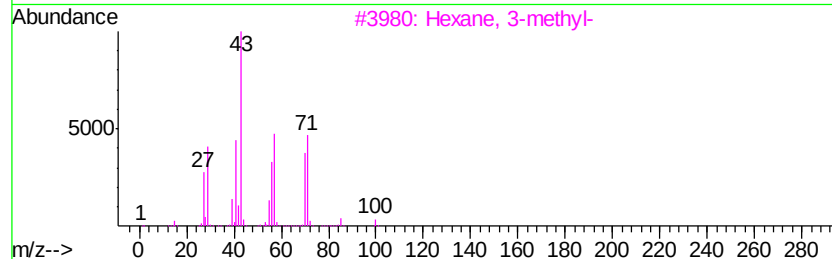
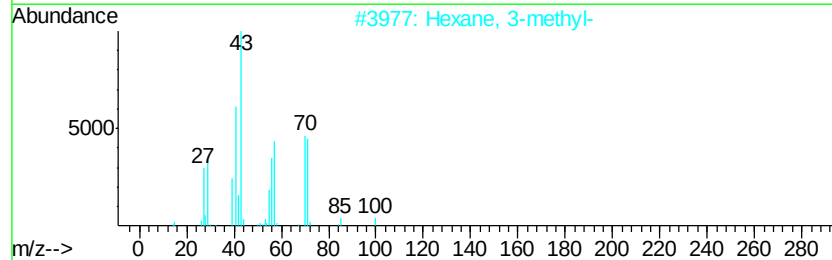
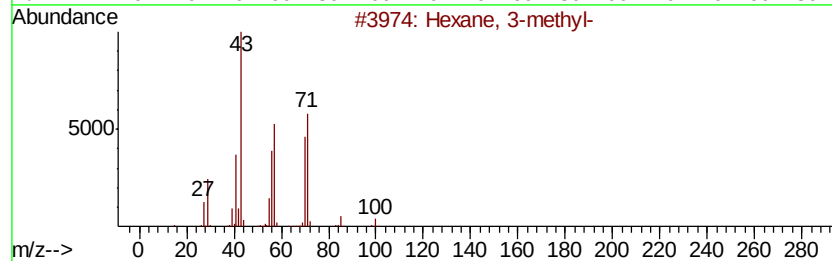
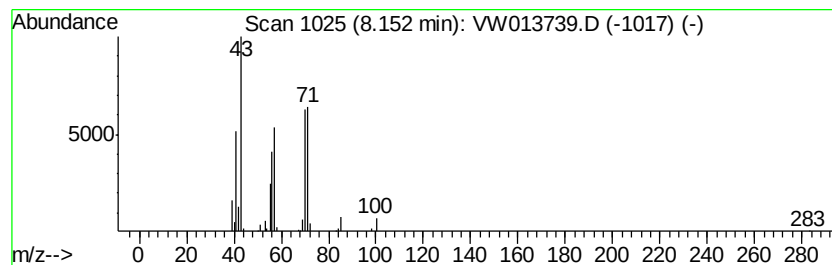
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	2.84 ug/L	91050	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2			Hexane, 3-methyl-	100	C7H16	000589-34-4	90
3			Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4			Heptane	100	C7H16	000142-82-5	59
5			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

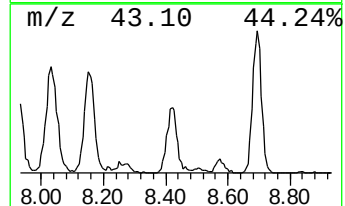
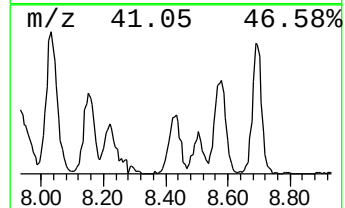
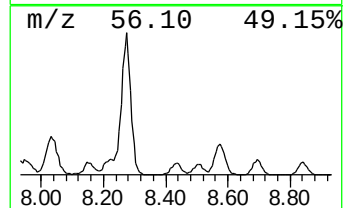
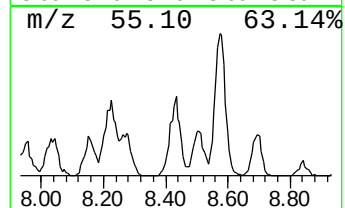
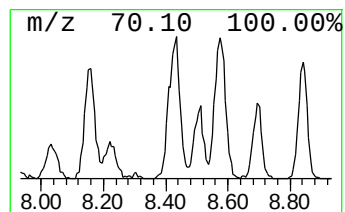
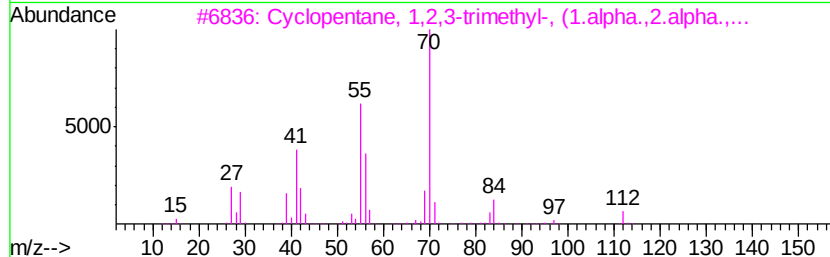
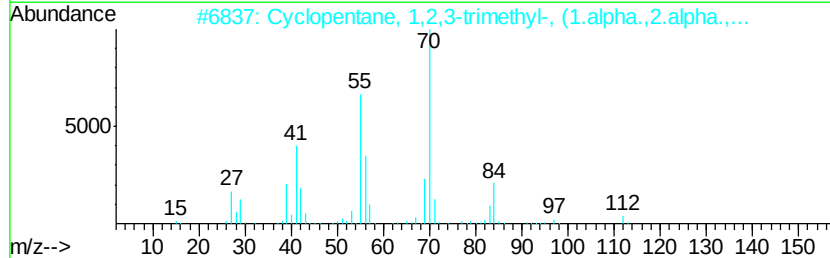
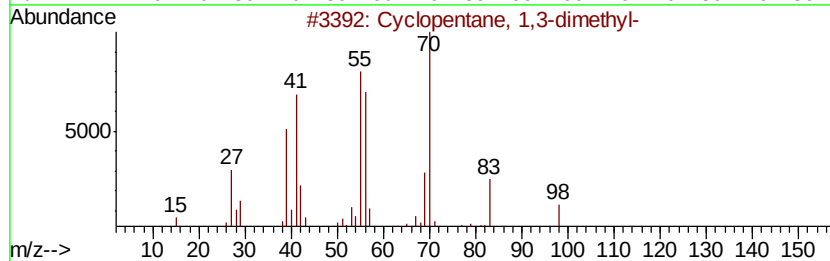
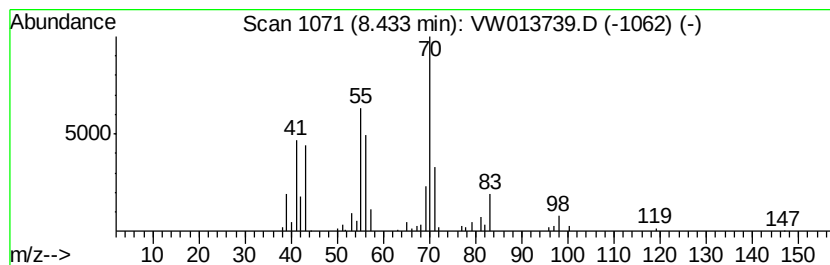
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic8.43 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	2.84 ug/L	91131	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
3		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
5		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

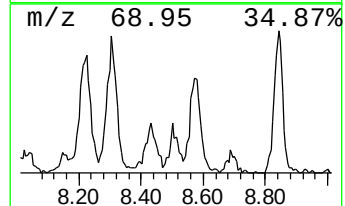
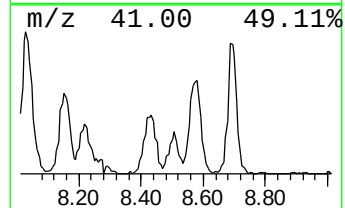
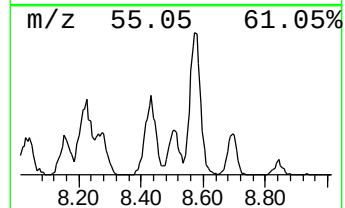
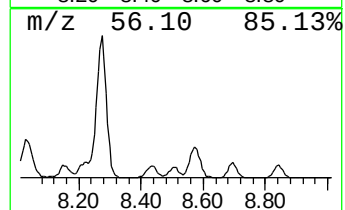
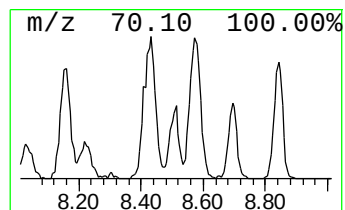
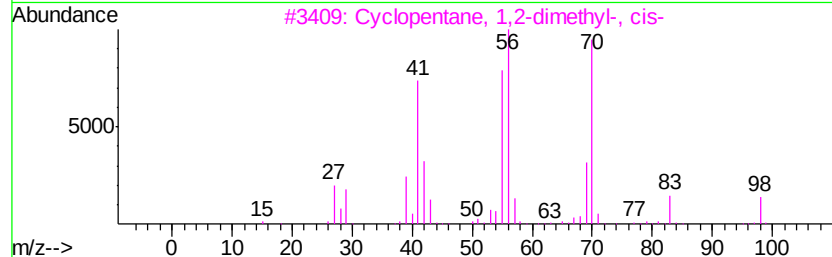
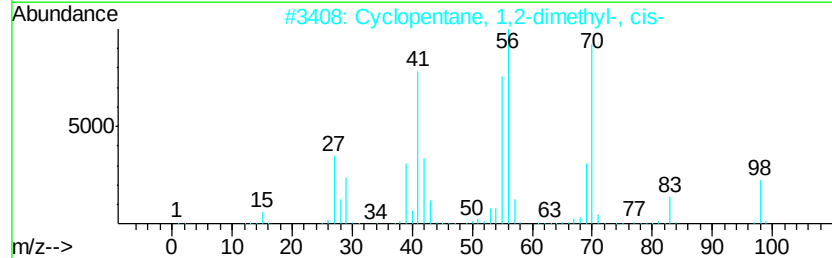
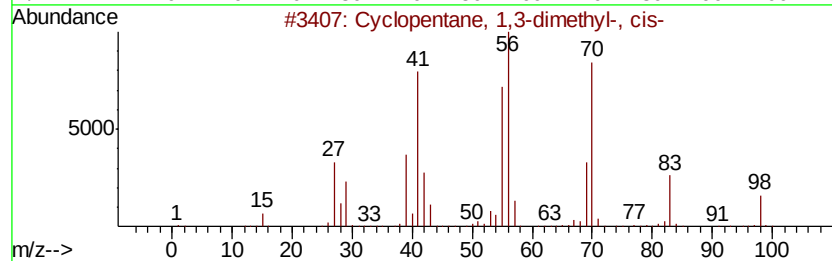
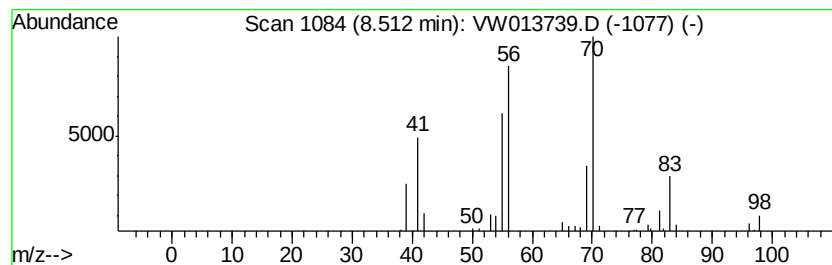
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Cyclic8.51 Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	1.40 ug/L	44953	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	81
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	76
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
5		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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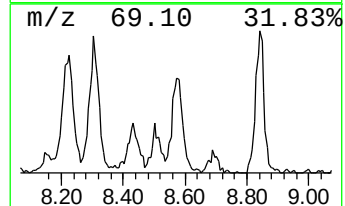
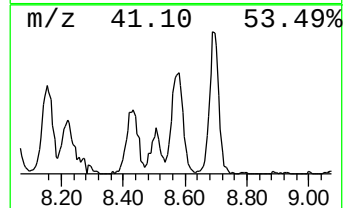
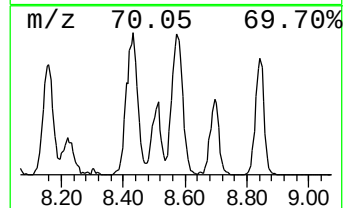
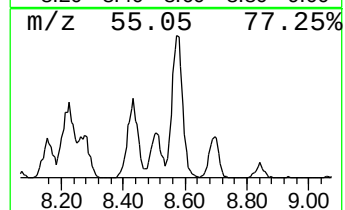
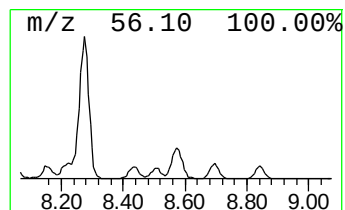
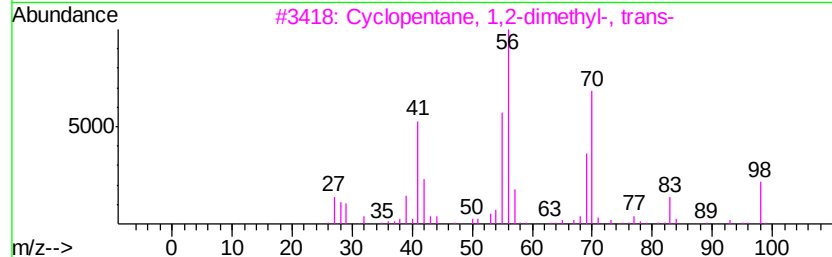
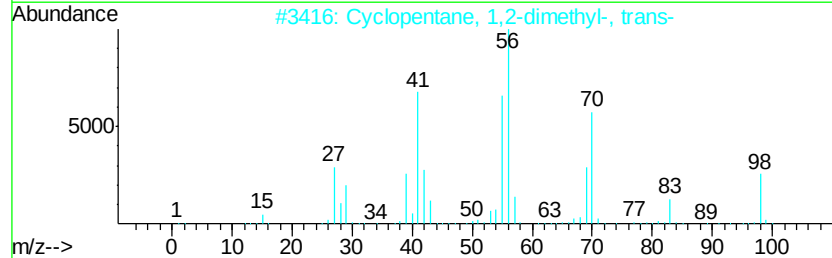
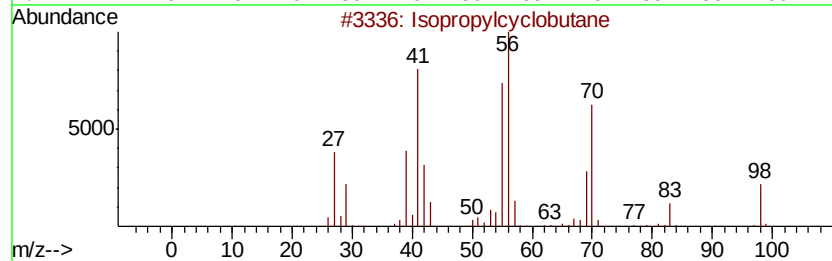
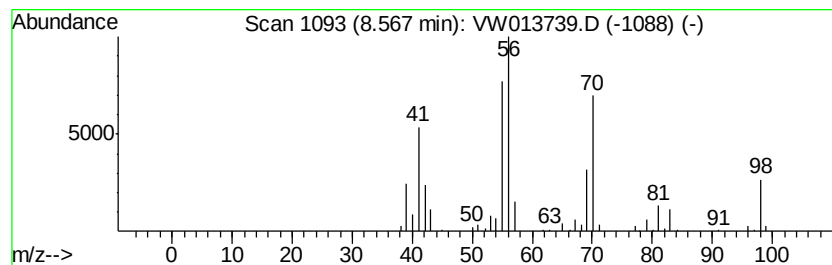
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic8.57 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	3.69 ug/L	118259	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isopropylcyclobutane	98	C7H14	000872-56-0	93
2		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
4		(Z)-2-Heptene	98	C7H14	006443-92-1	76
5		1-Heptene	98	C7H14	000592-76-7	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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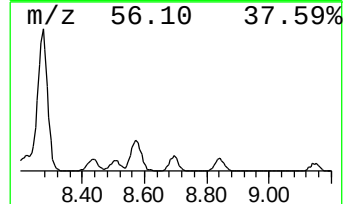
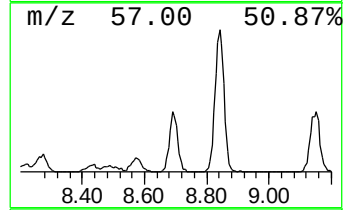
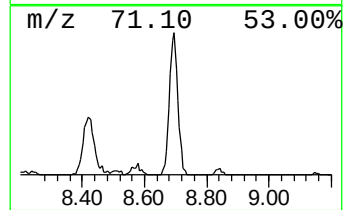
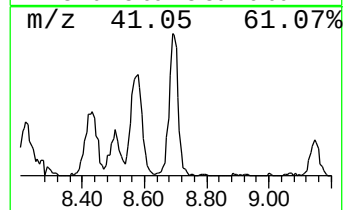
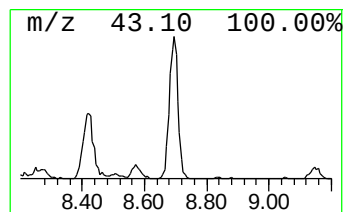
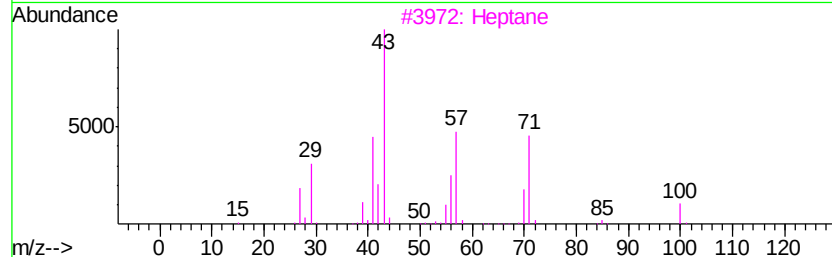
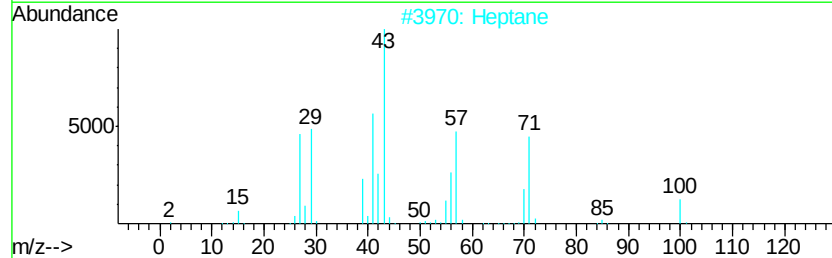
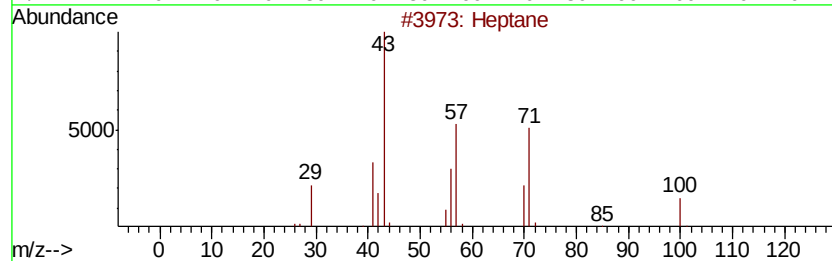
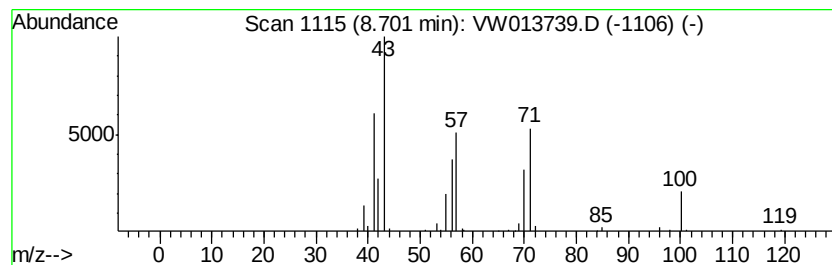
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	3.27 ug/L	104765	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	72
2		Heptane	100	C7H16	000142-82-5	56
3		Heptane	100	C7H16	000142-82-5	56
4		Heptane	100	C7H16	000142-82-5	52
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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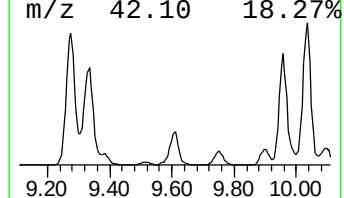
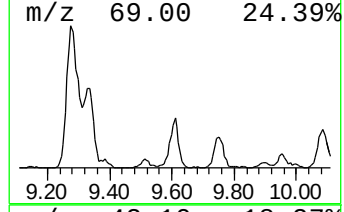
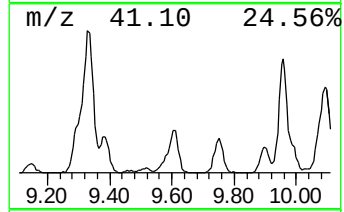
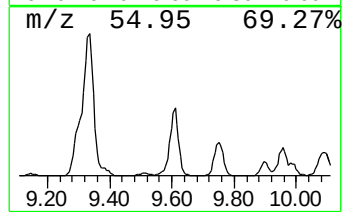
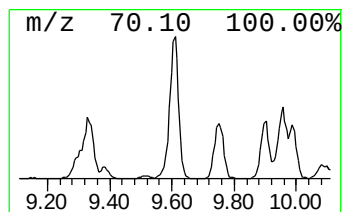
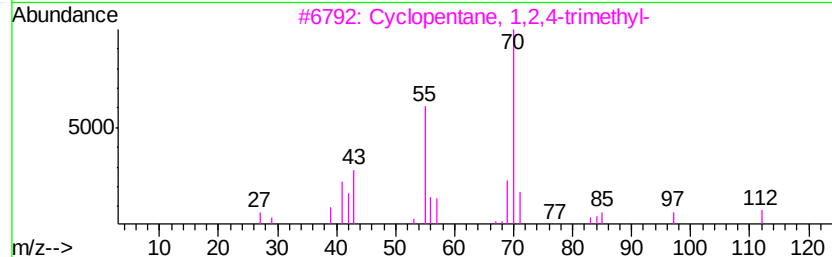
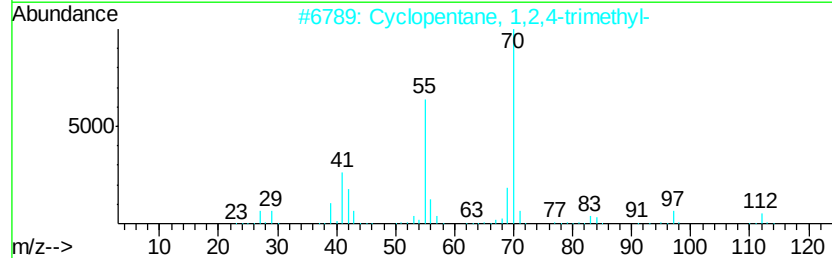
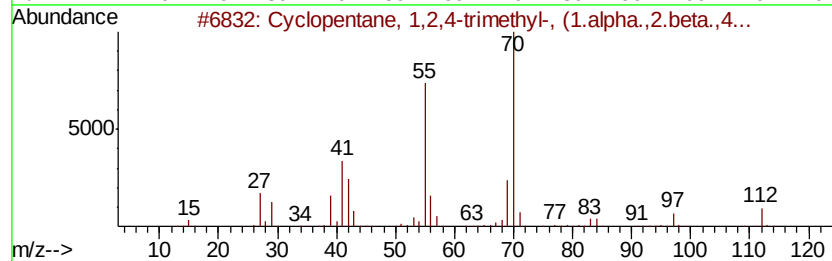
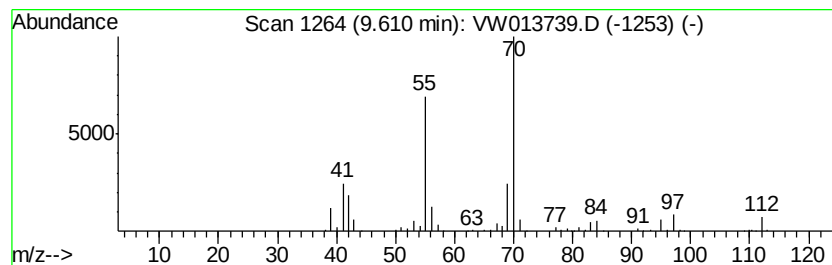
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.61 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	8.29 ug/L	265771	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	91
2		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
5		Tridecane, 3-methylene-	196	C14H28	019780-34-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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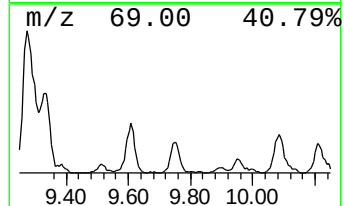
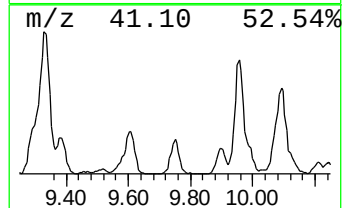
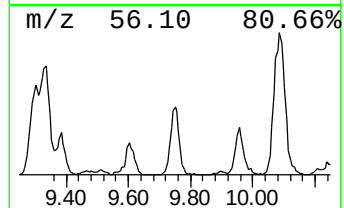
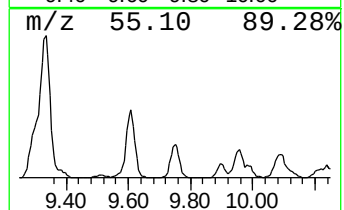
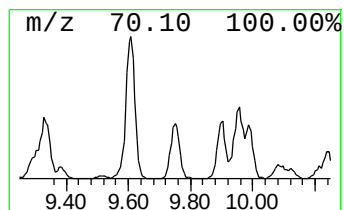
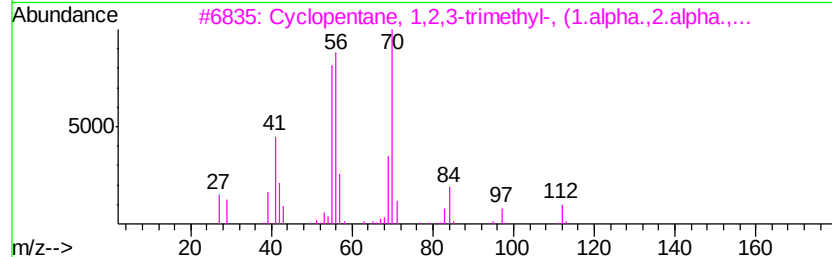
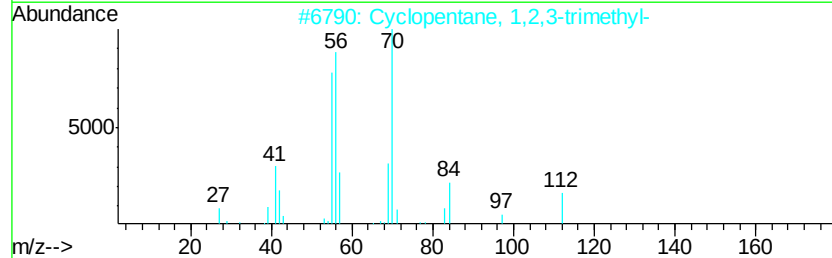
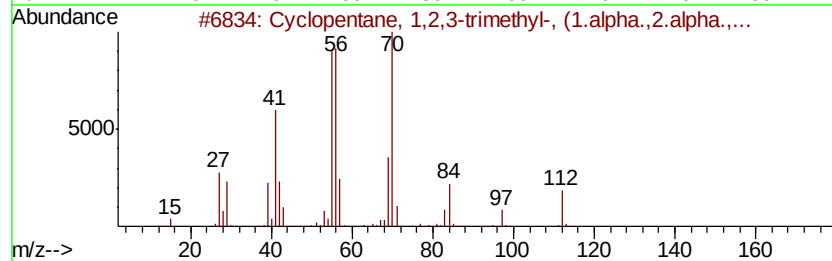
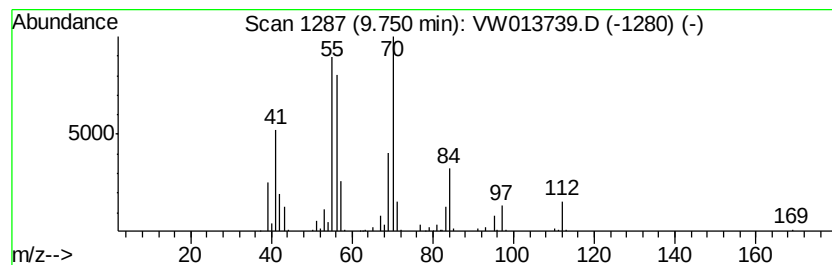
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.75 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	4.72 ug/L	151439	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
4			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	81
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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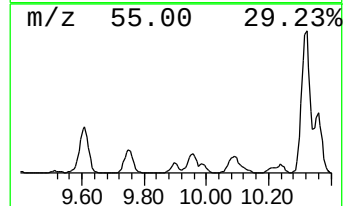
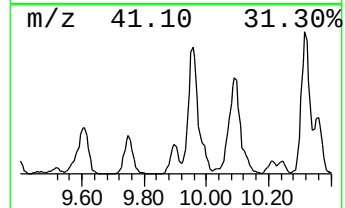
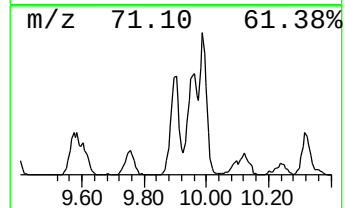
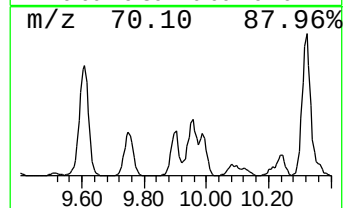
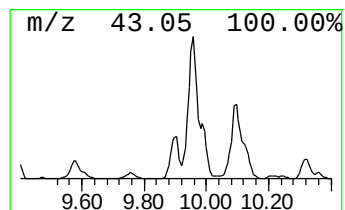
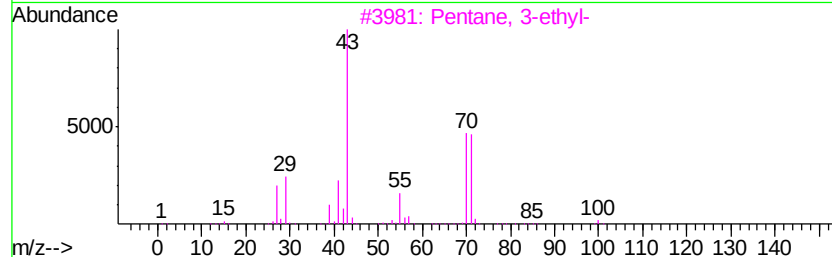
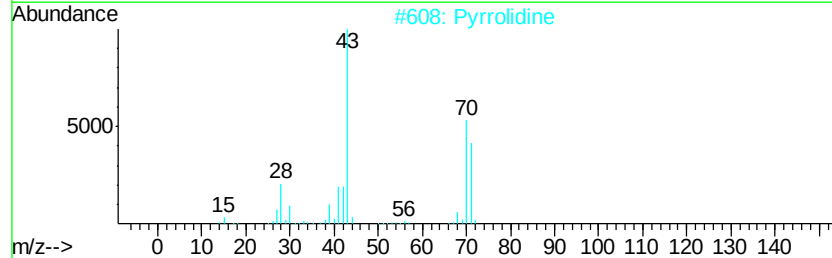
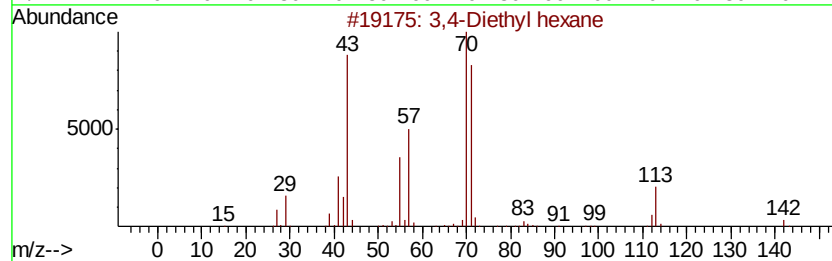
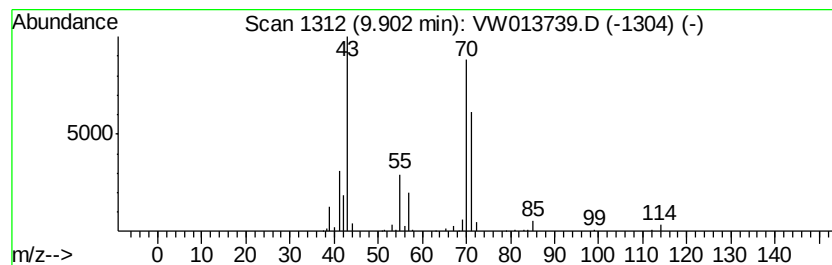
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	3.54 ug/L	113573	1,4-Difluorobenzene	8.84

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Diethyl hexane	142	C10H22	019398-77-7	78
2			Pyrrolidine	71	C4H9N	000123-75-1	78
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	64
5			Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

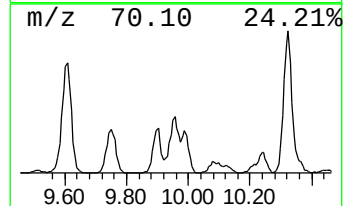
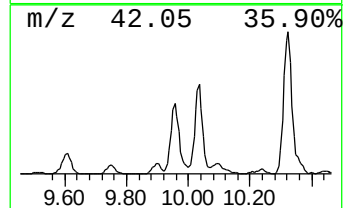
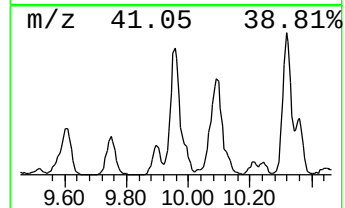
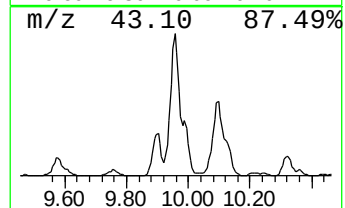
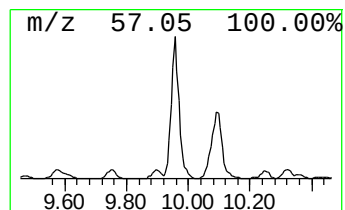
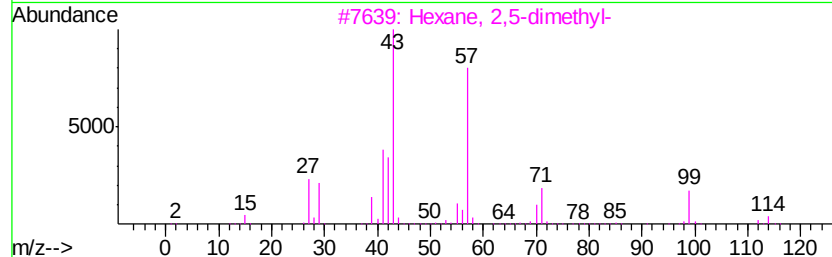
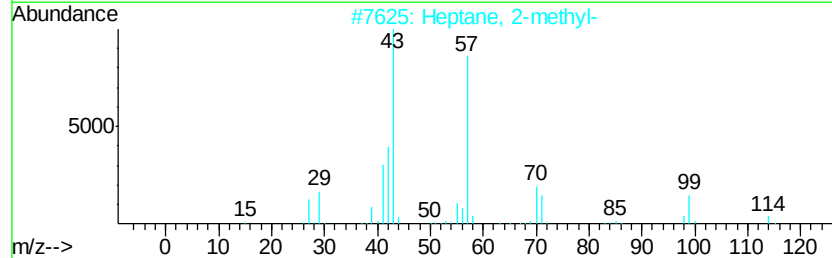
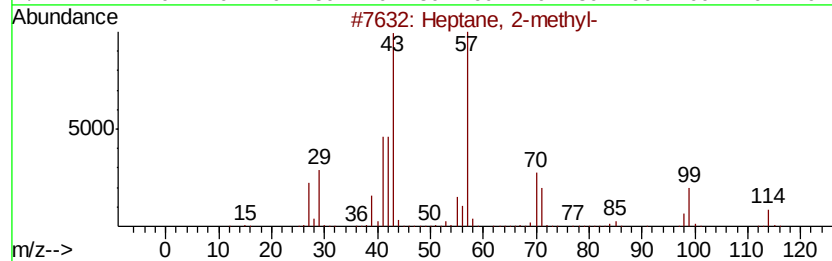
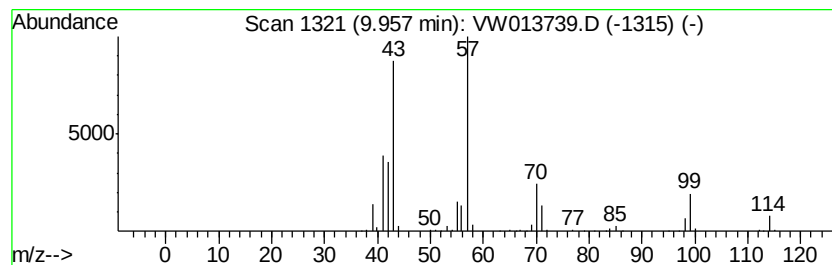
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	14.75 ug/L	472929	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	97
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	90
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
4		2-Piperidinone	99	C5H9NO	000675-20-7	53
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

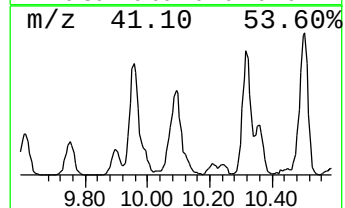
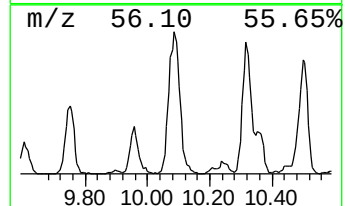
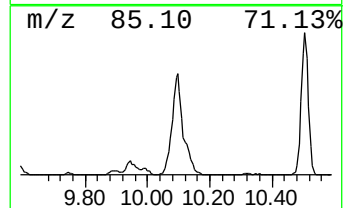
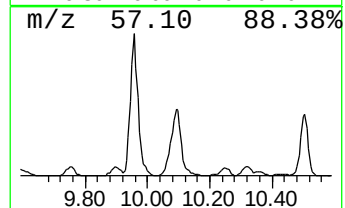
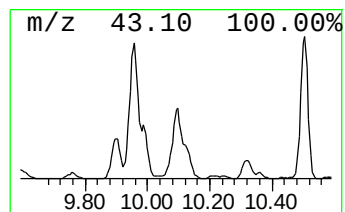
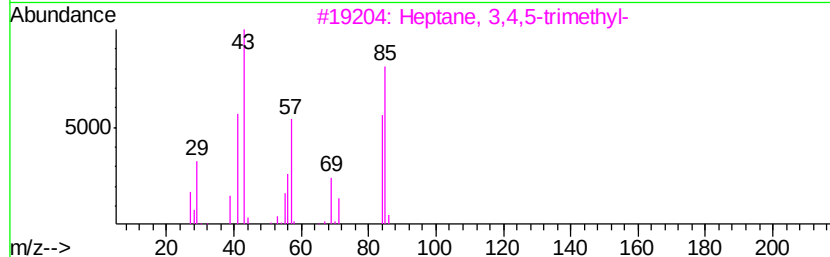
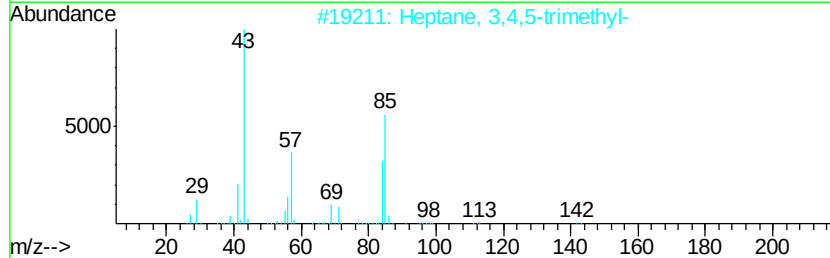
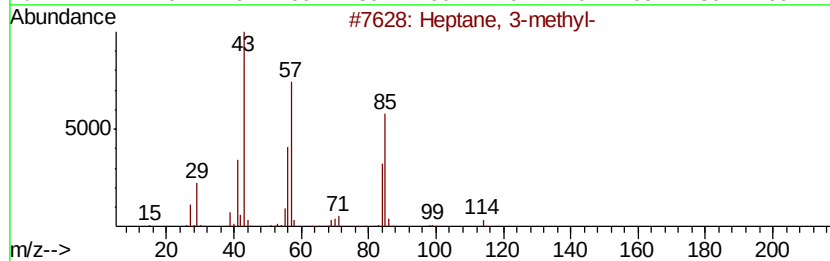
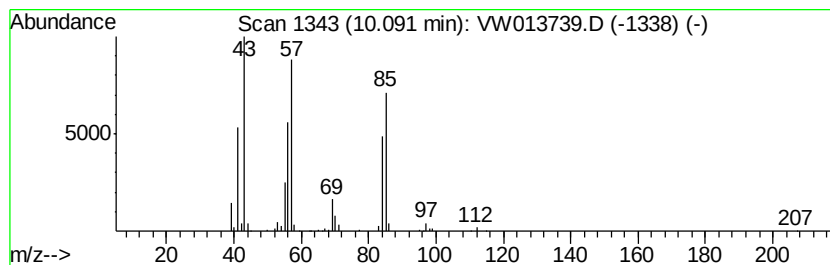
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.09	12.31 ug/L	394785	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	78
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	53
4	1-Octene, 4-methyl-	126	C9H18	013151-12-7	53
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

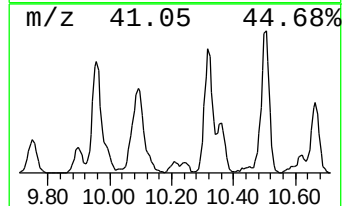
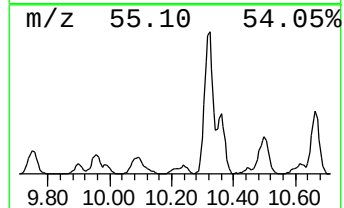
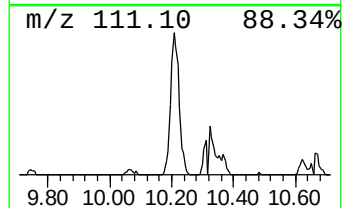
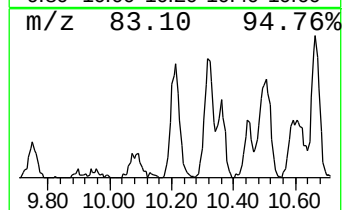
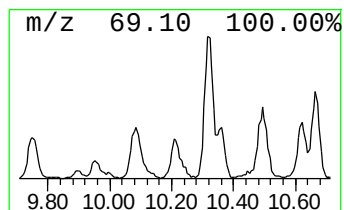
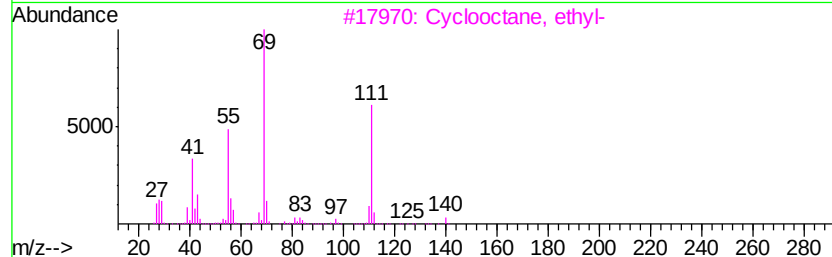
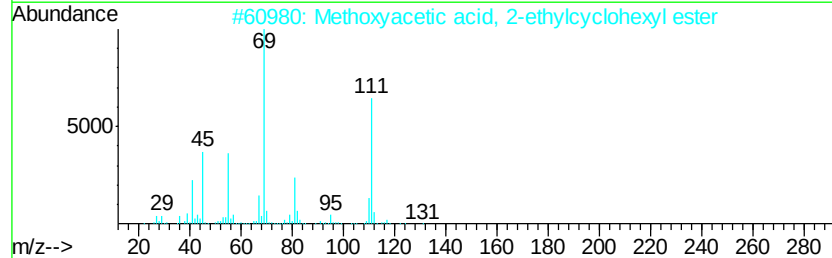
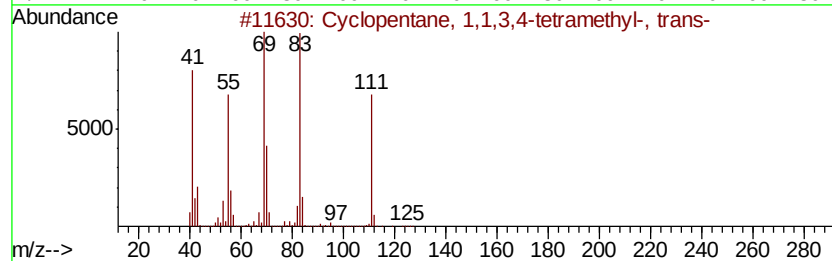
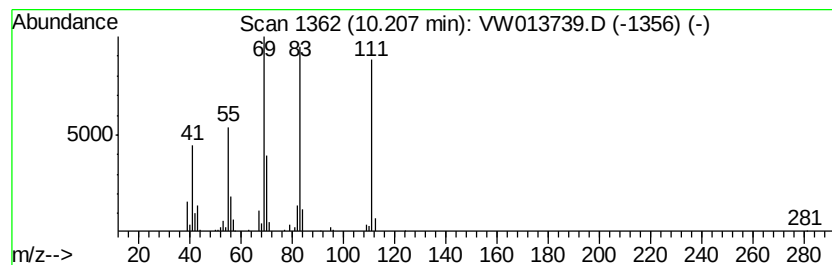
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Cyclic10.21 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.21	1.63 ug/L	52292	1,4-Difluorobenzene	8.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethyl-	126	C9H18	020309-77-7	72
2	Methoxyacetic acid, 2-ethylcyclohexyl-	200	C11H20O3	1000282-69-7	47
3	Cyclooctane, ethyl-	140	C10H20	013152-02-8	47
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
5	Cyclopentaneacetic acid, ethenyl-	154	C9H14O2	045955-66-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

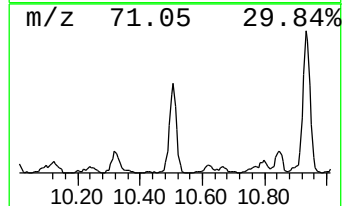
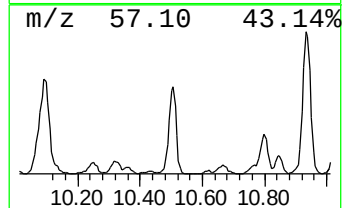
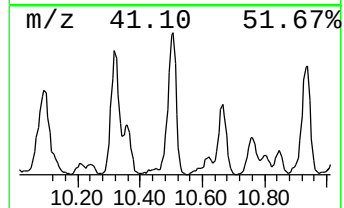
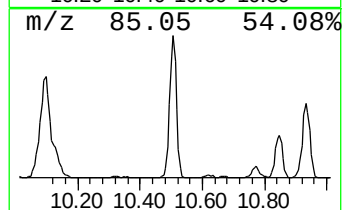
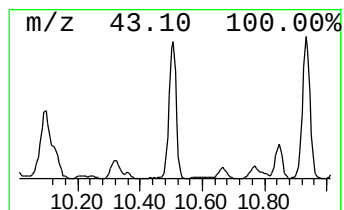
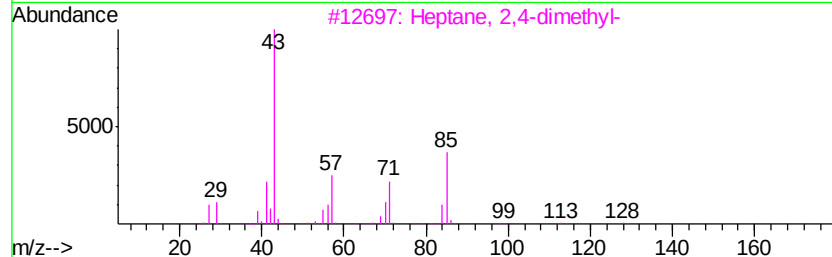
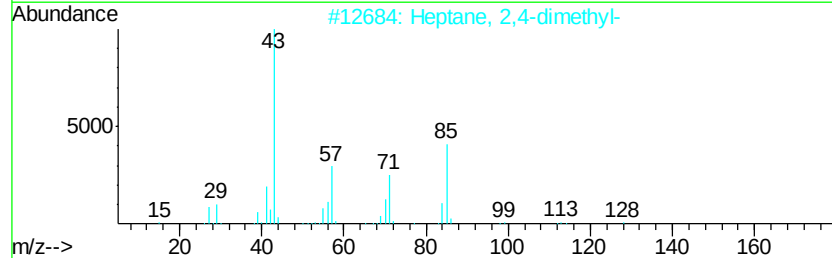
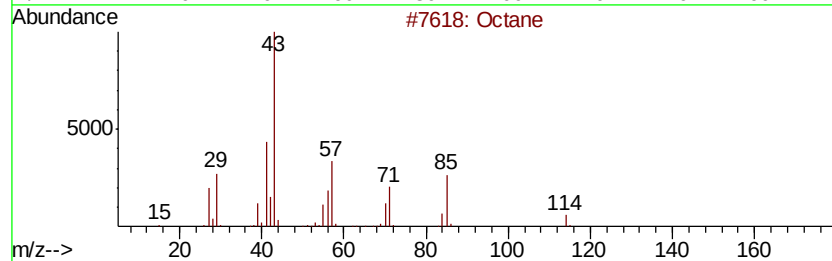
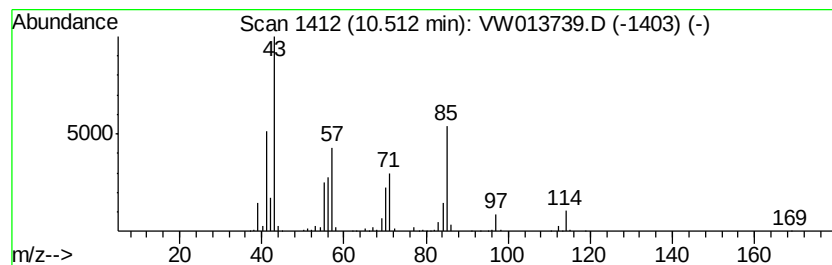
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	15.14 ug/L	486008	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane	114	C8H18	000111-65-9	90
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	80
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Octane	114	C8H18	000111-65-9	62
5		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

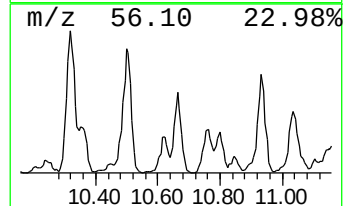
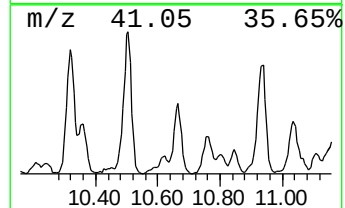
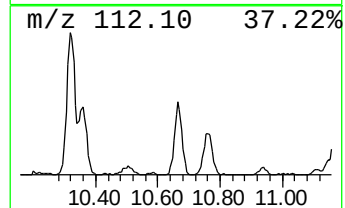
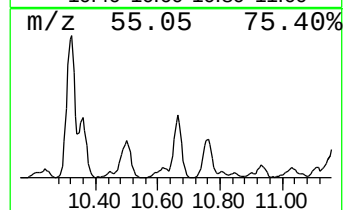
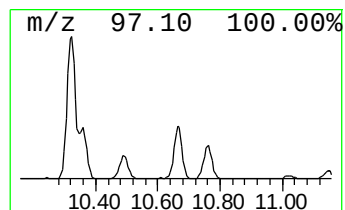
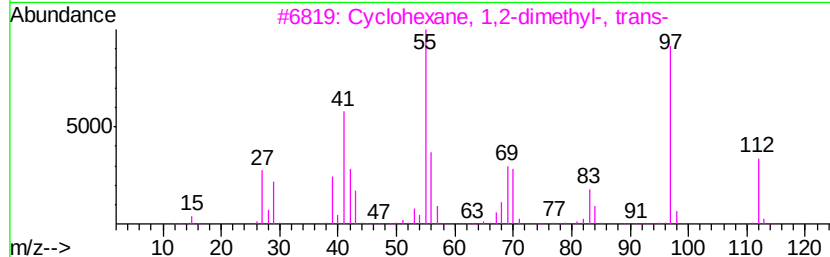
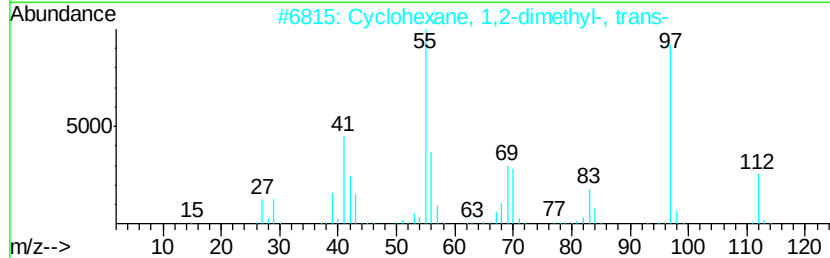
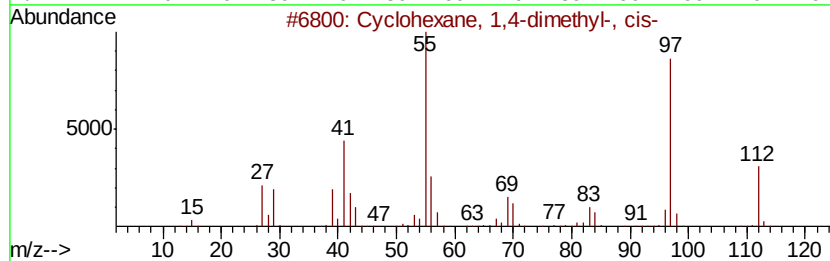
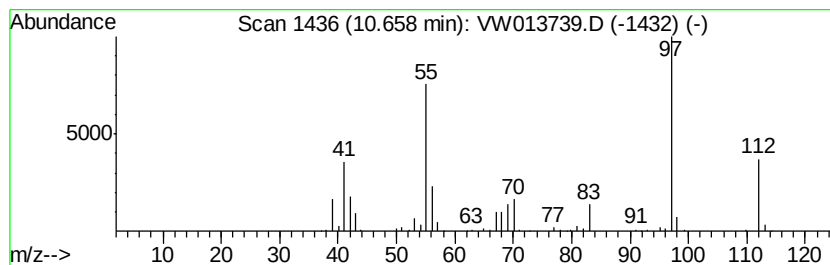
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic10.66 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD			R.T.
10.66	9.64 ug/L	309638	Chlorobenzene-d5			11.63
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	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, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91
5		Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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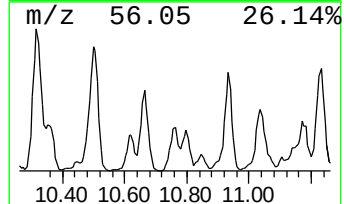
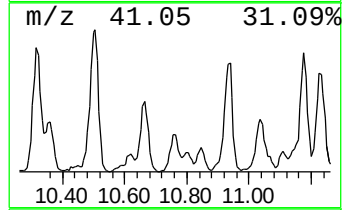
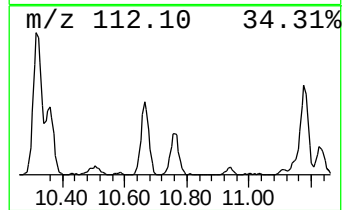
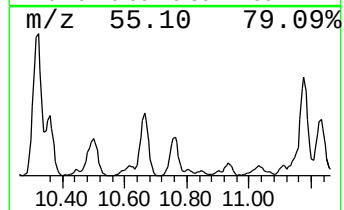
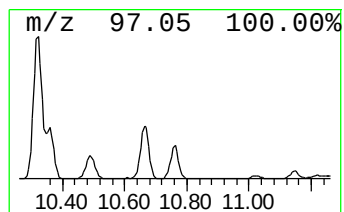
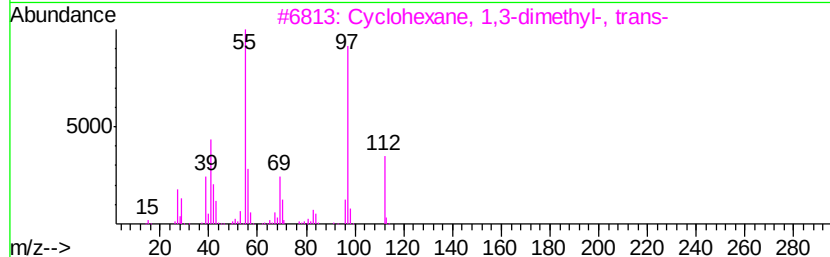
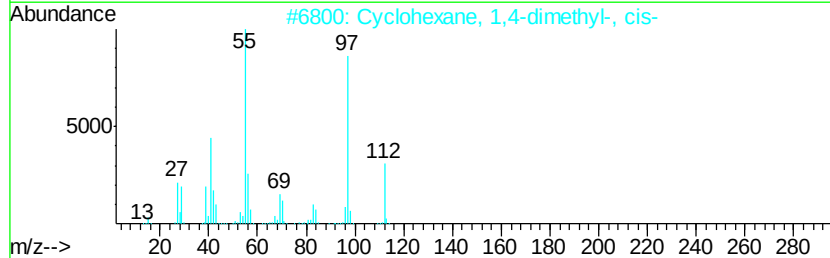
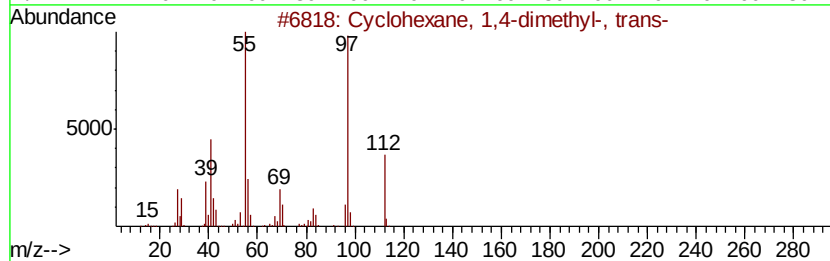
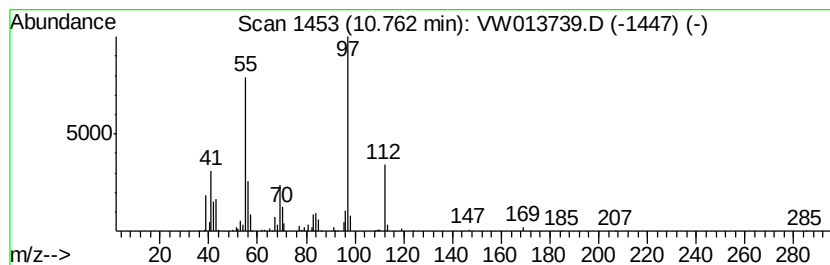
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Cyclic10.76 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	6.26 ug/L	200963	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	95
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	95
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
5		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

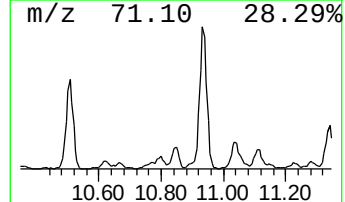
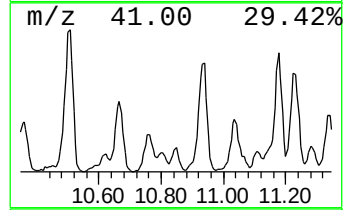
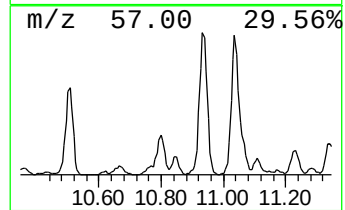
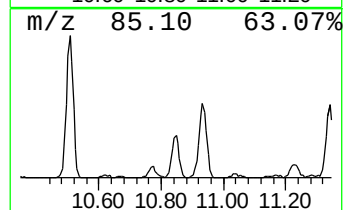
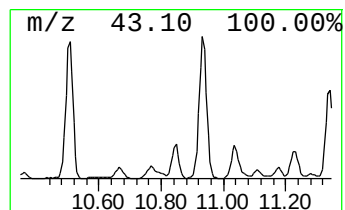
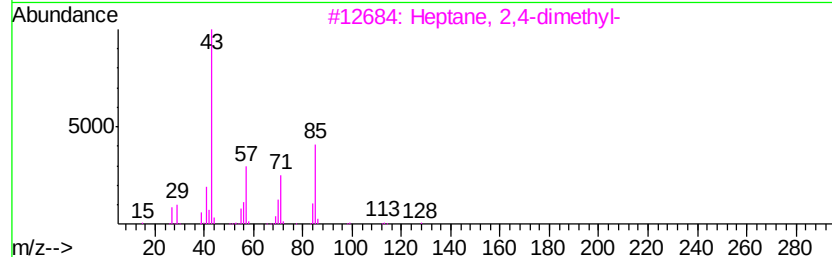
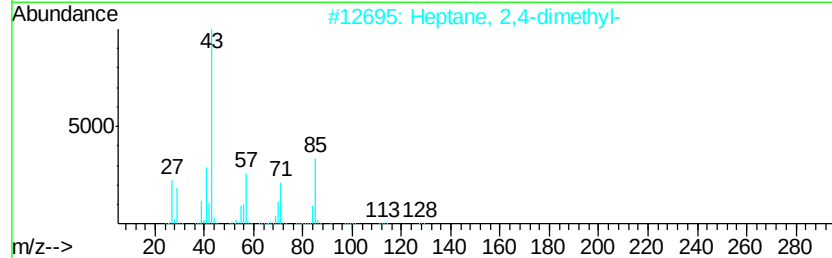
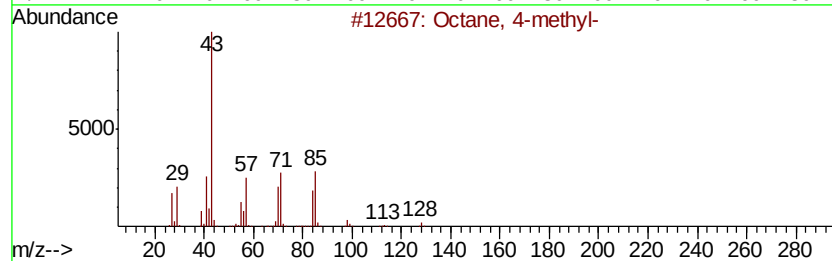
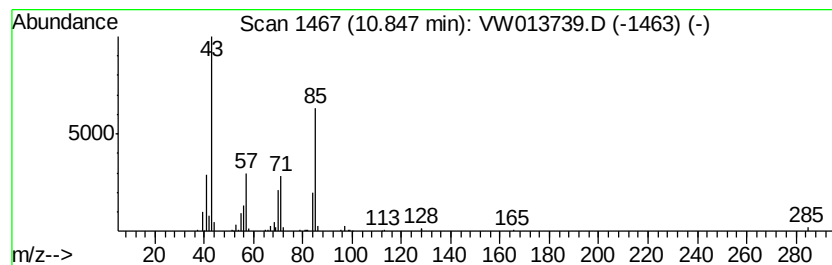
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	2.65 ug/L	85195	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-methyl-	128	C9H20	002216-34-4	74
2		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4		Octane, 4-methyl-	128	C9H20	002216-34-4	64
5		Octane	114	C8H18	000111-65-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

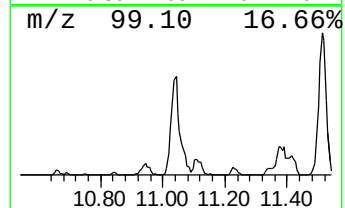
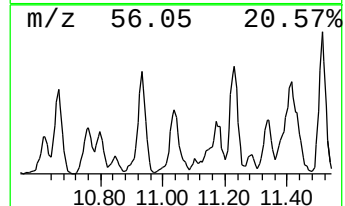
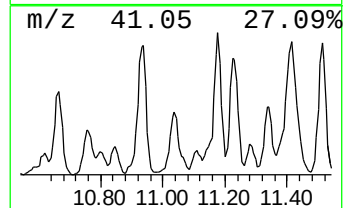
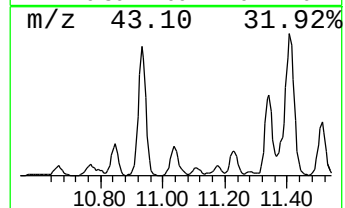
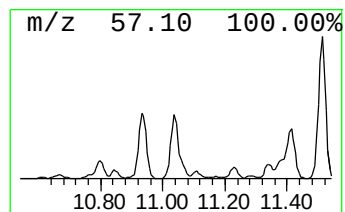
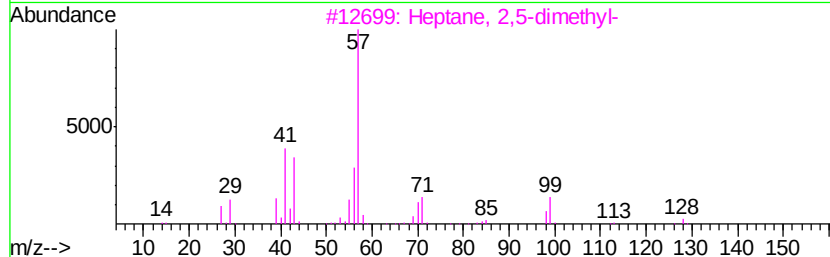
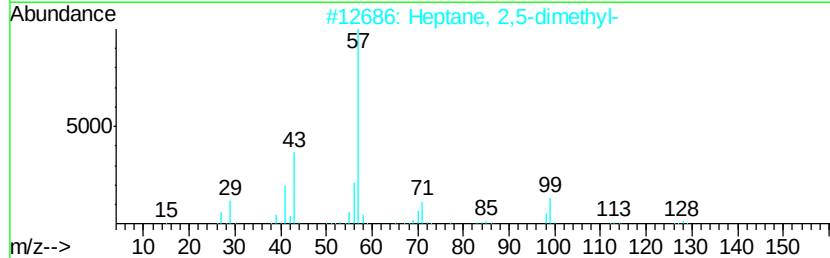
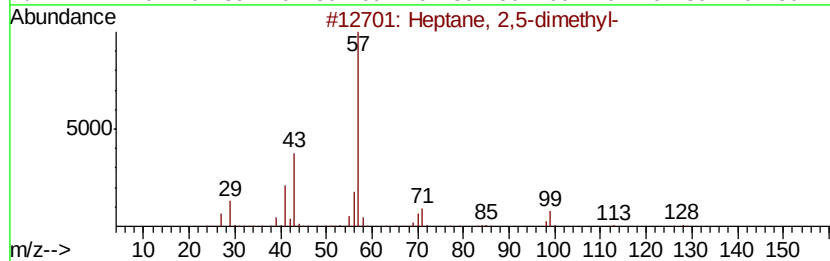
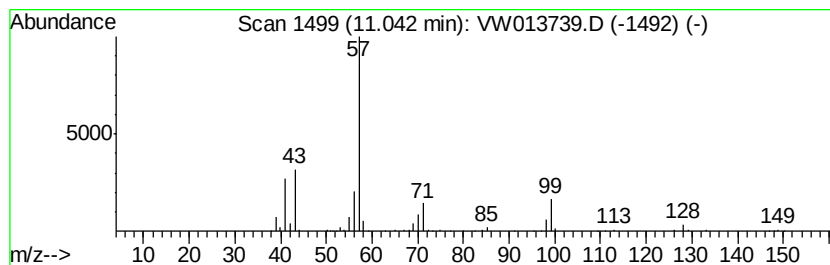
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	6.00 ug/L	192482	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4		Octane, 3-methyl-	128	C9H20	002216-33-3	80
5		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	78



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

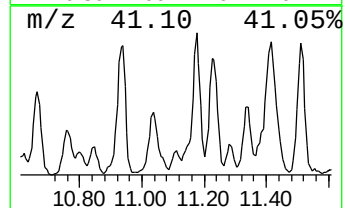
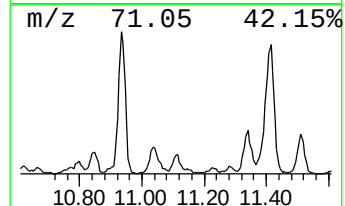
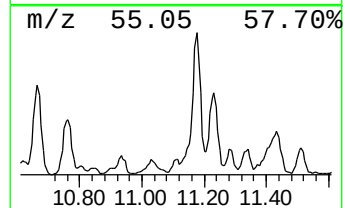
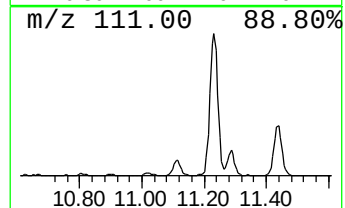
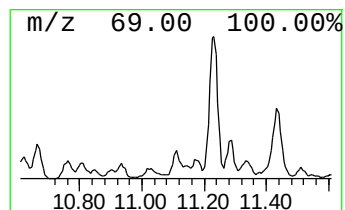
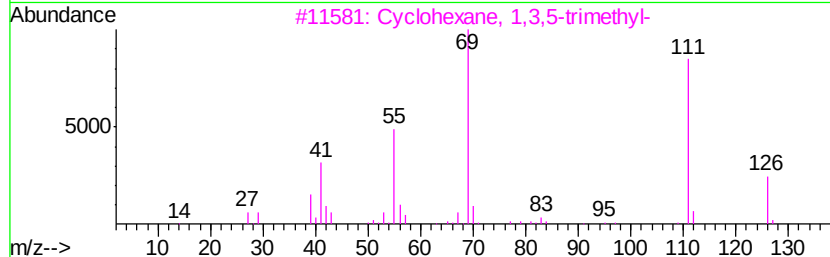
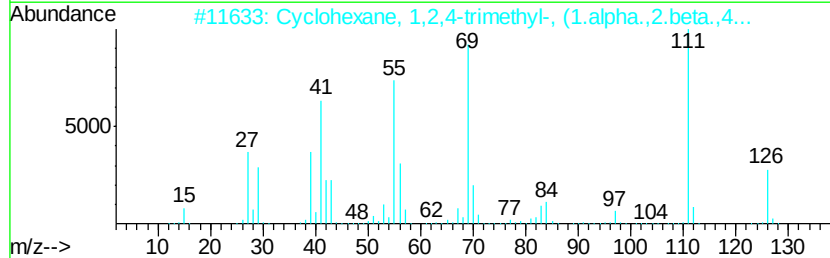
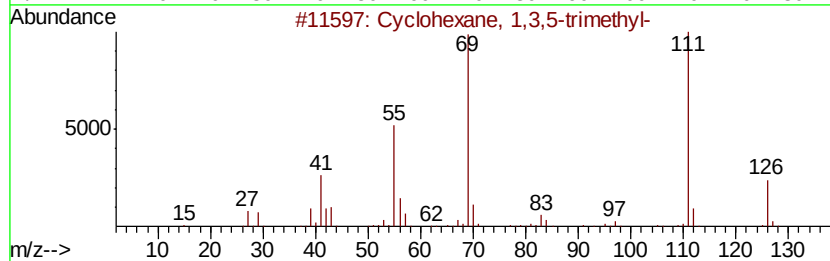
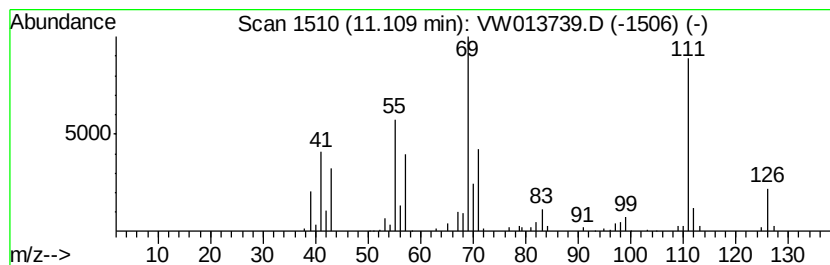
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Cyclic11.11 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.11	2.15 ug/L	69036	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	76
2		Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	74
3		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	70
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	70
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

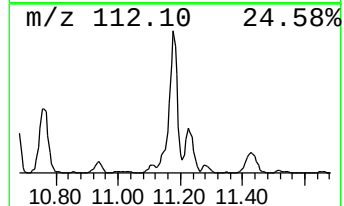
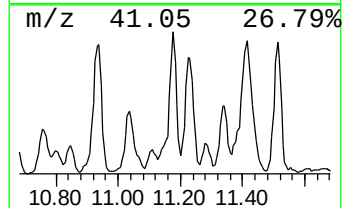
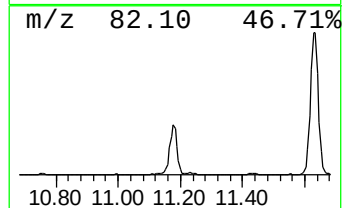
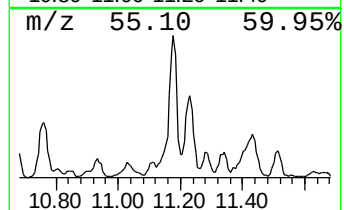
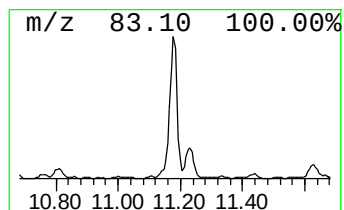
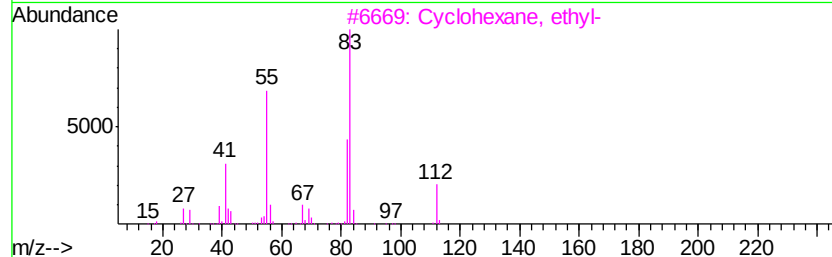
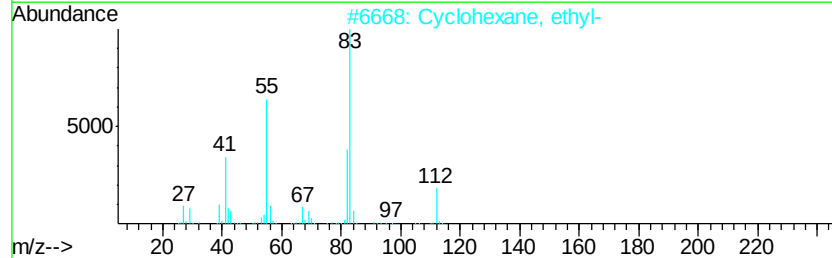
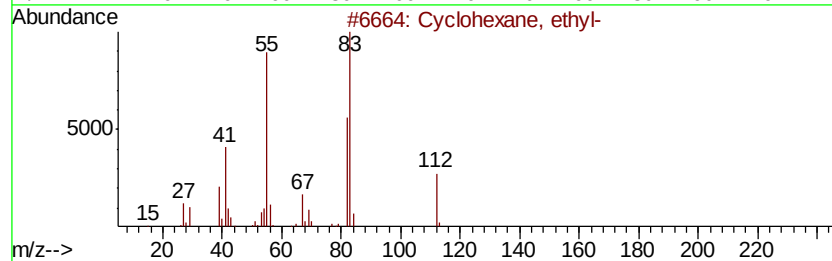
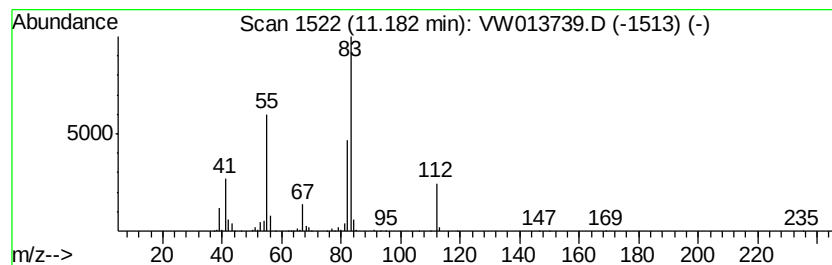
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.18 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.18	11.43 ug/L	367074	Chlorobenzene-d5		11.63	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

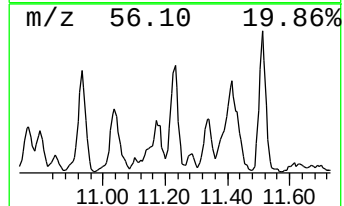
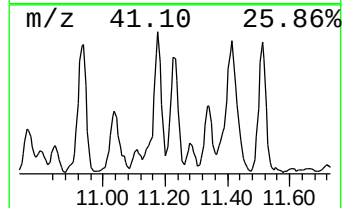
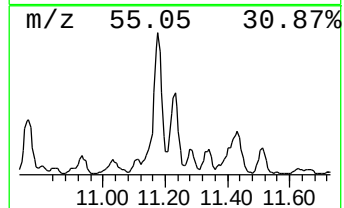
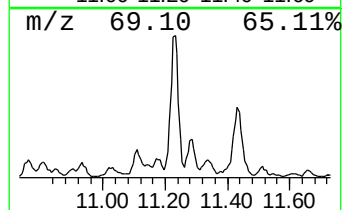
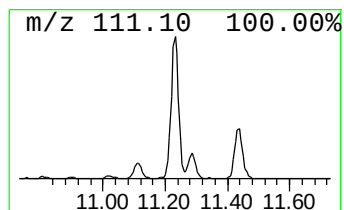
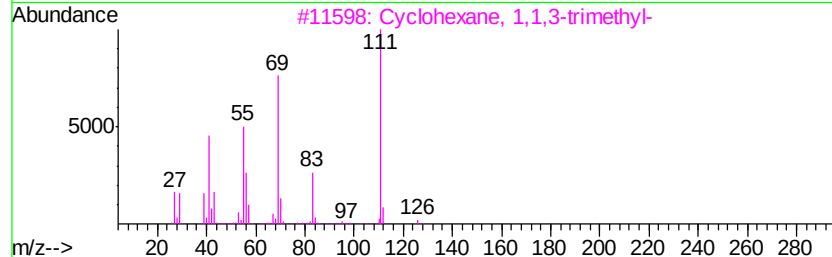
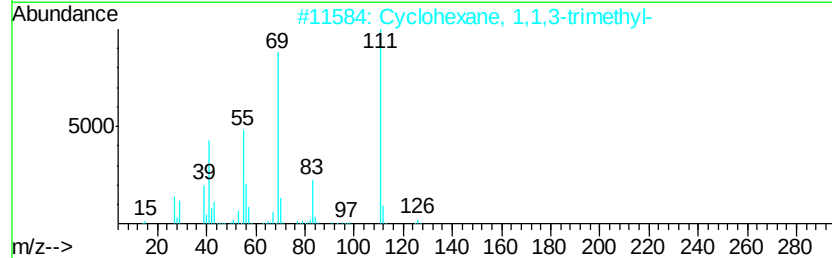
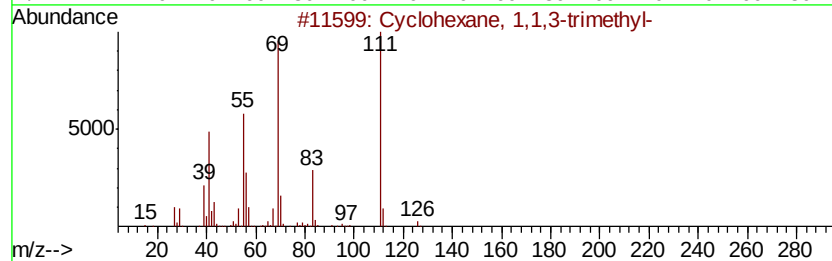
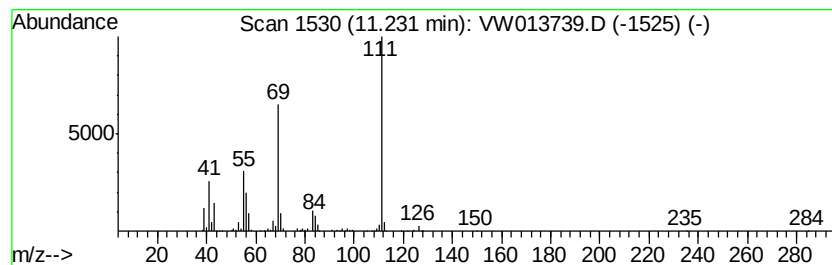
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.23 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	12.59 ug/L	404140	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	80
2		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
5		Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

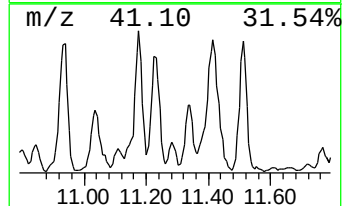
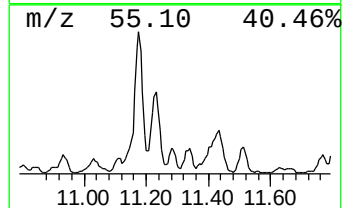
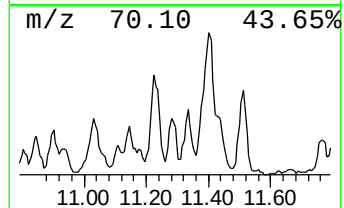
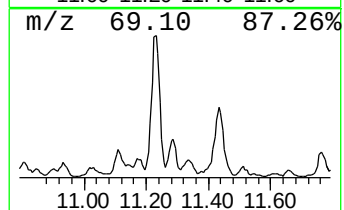
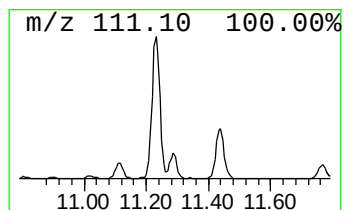
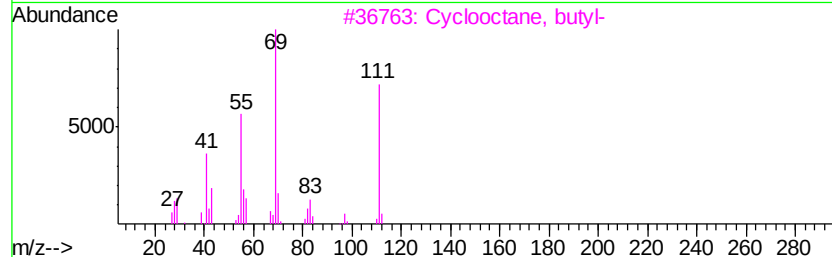
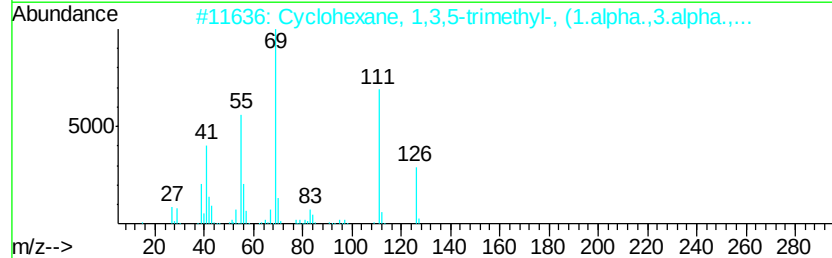
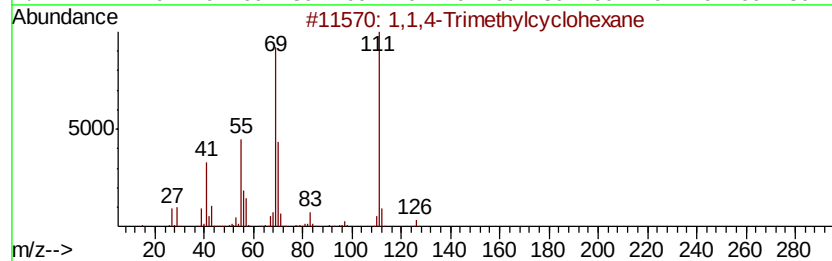
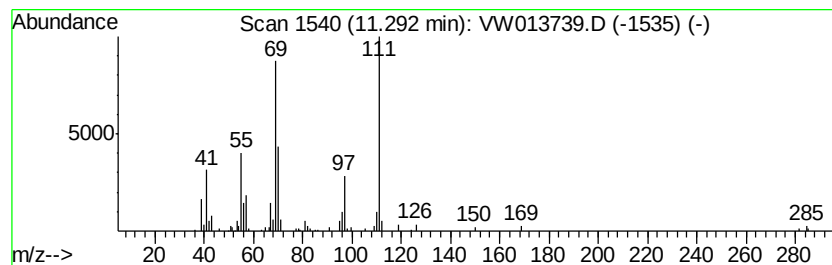
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Cyclic11.29 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	2.22 ug/L	71391	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	68
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	50
3		Cyclooctane, butyl-	168	C12H24	016538-93-5	50
4		Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

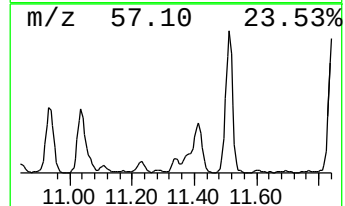
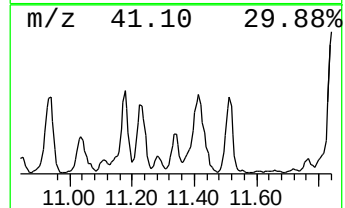
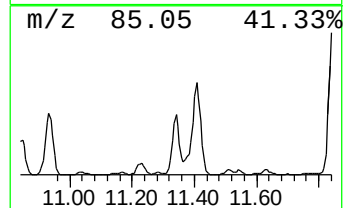
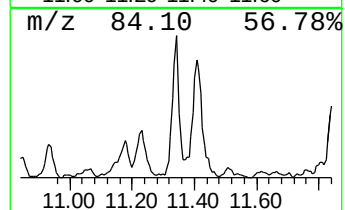
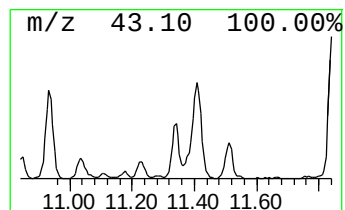
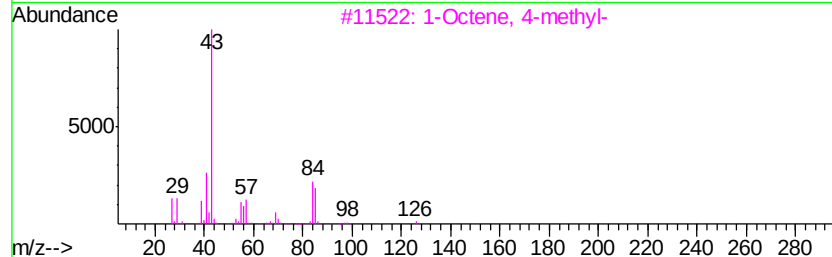
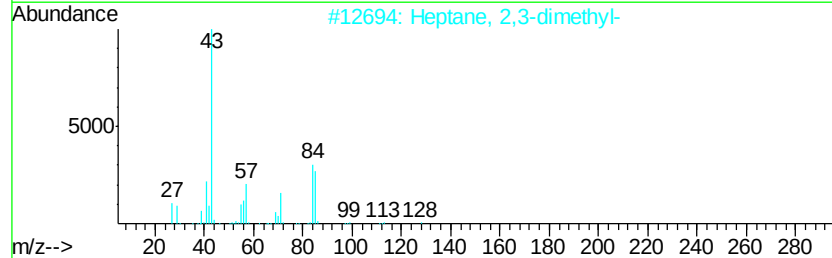
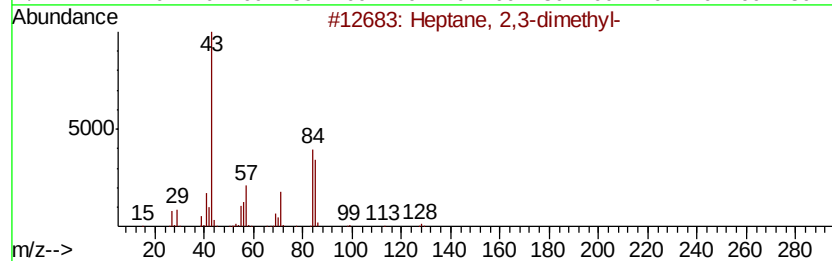
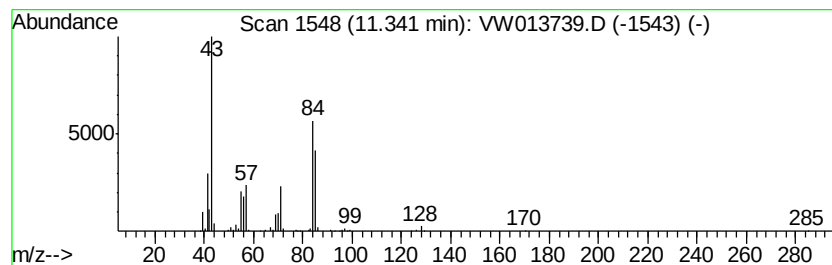
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	6.06 ug/L	194444	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	83
2		Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	83
3		1-Octene, 4-methyl-	126	C9H18	013151-12-7	64
4		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
5		Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

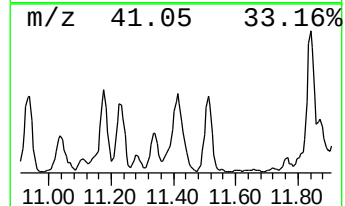
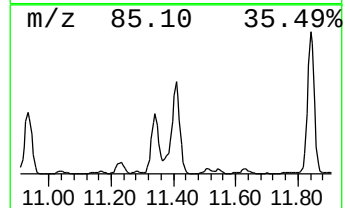
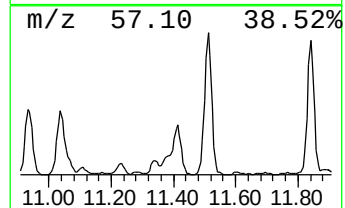
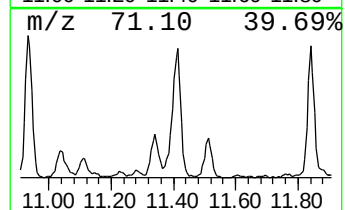
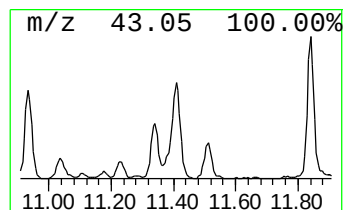
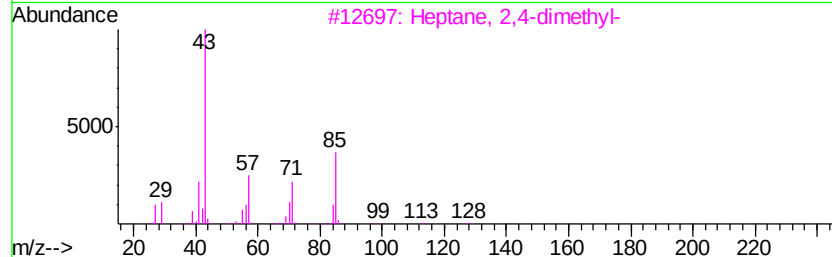
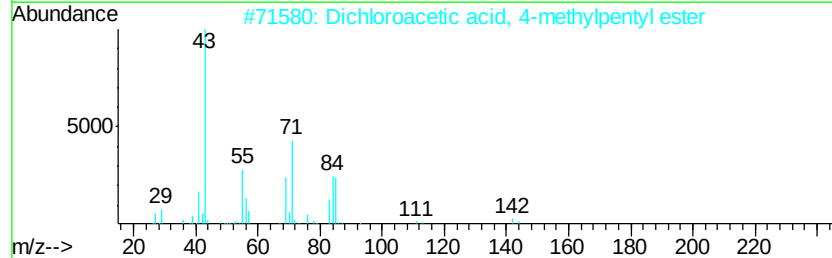
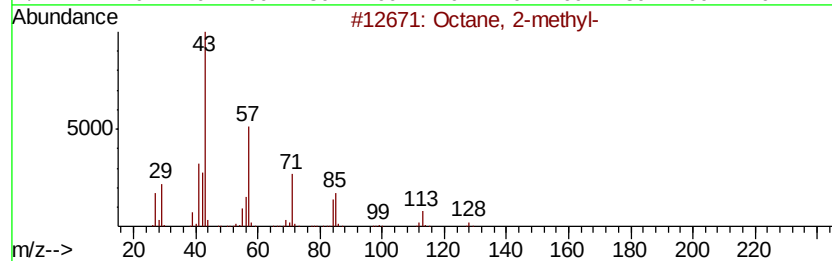
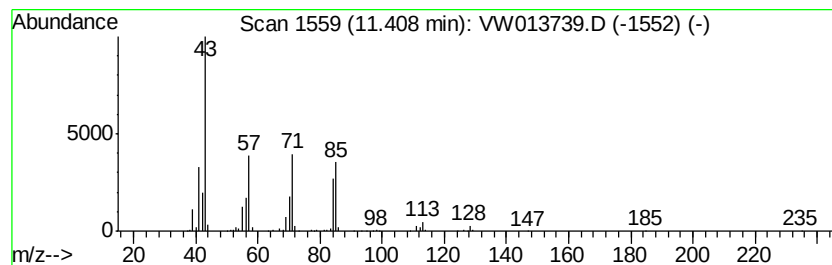
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	20.83 ug/L	668649	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	74
2		Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	59
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	58
4		1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	50
5		Hexyl octyl ether	214	C14H30O	017071-54-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

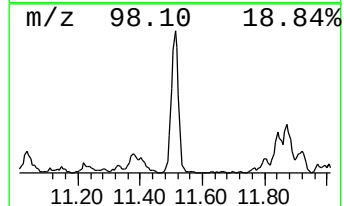
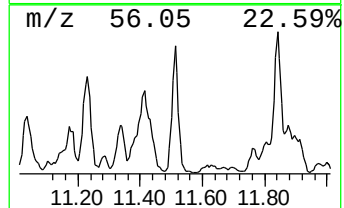
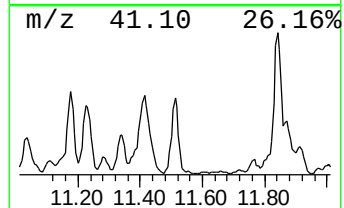
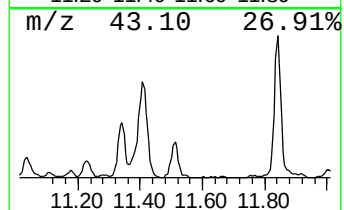
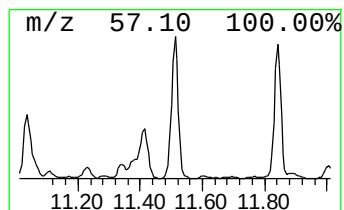
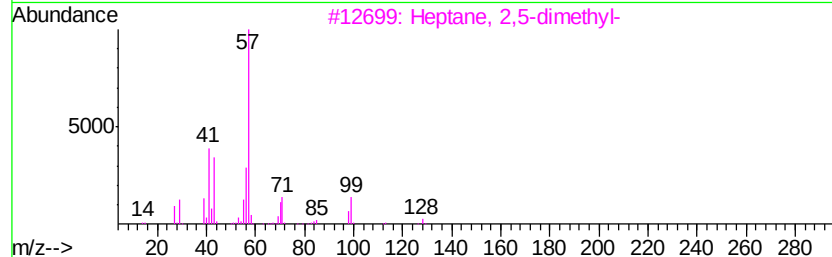
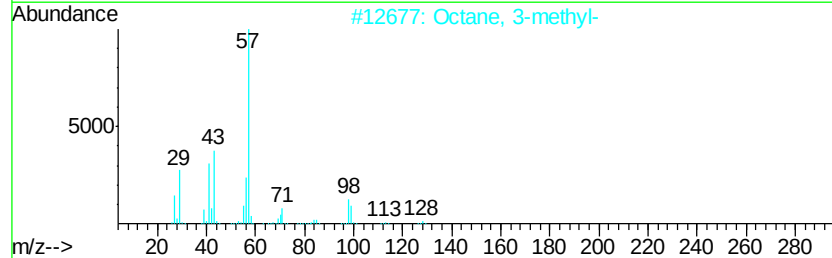
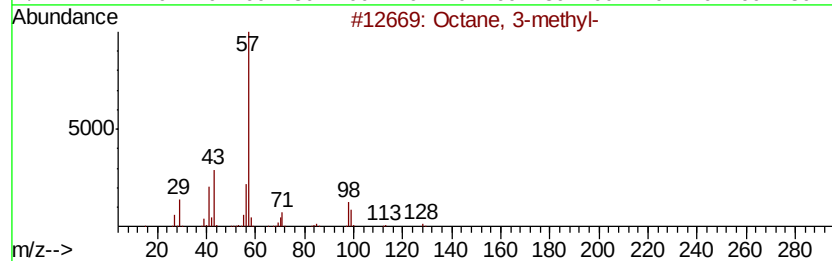
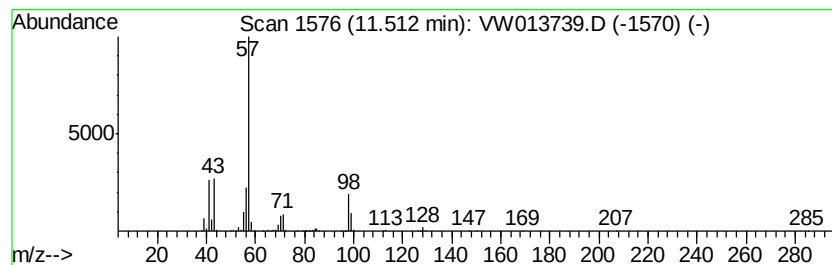
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	10.79 ug/L	346485	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Octane, 3-methyl-	128	C9H20	002216-33-3	90
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
5		Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

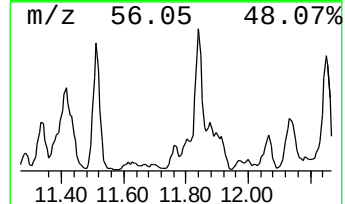
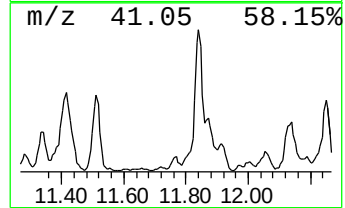
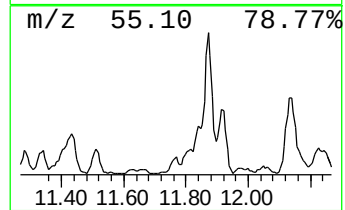
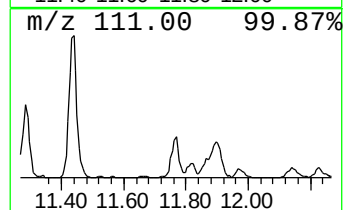
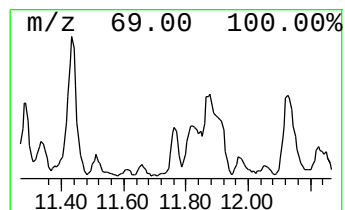
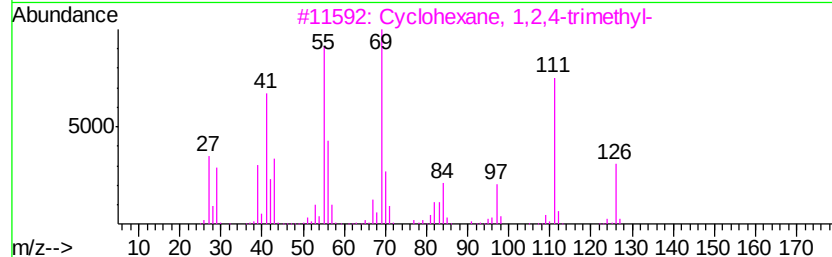
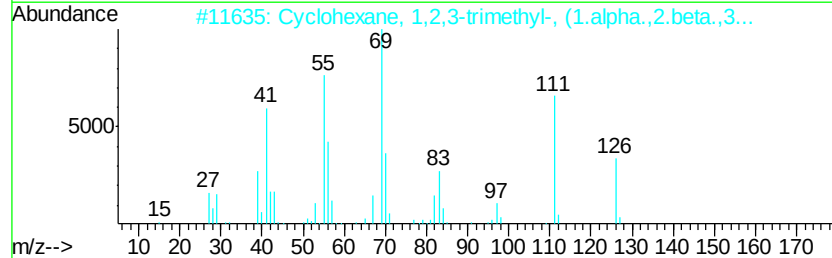
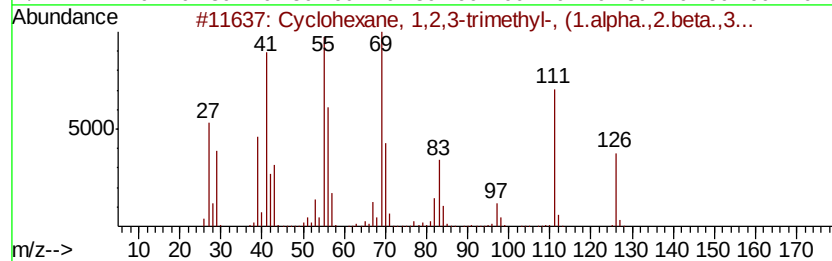
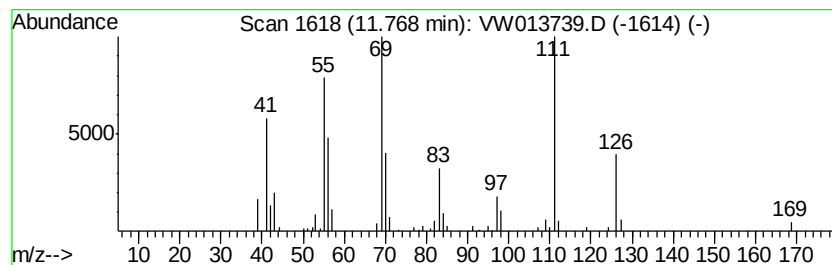
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Cyclic11.77 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	1.69 ug/L	54160	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	94
2			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	87
3			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	83
5			3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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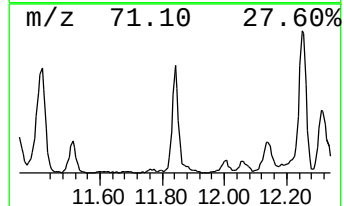
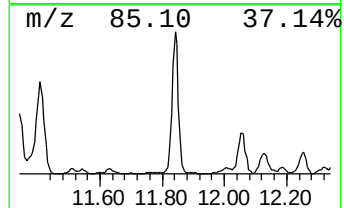
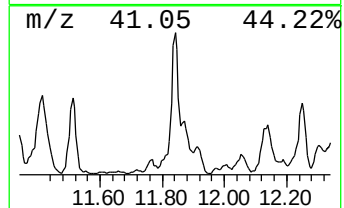
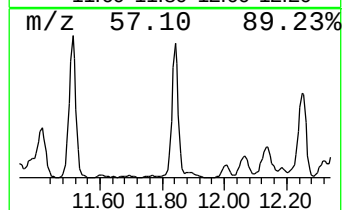
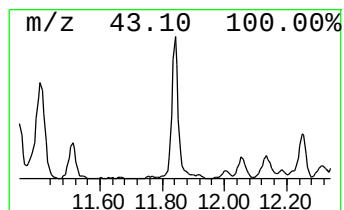
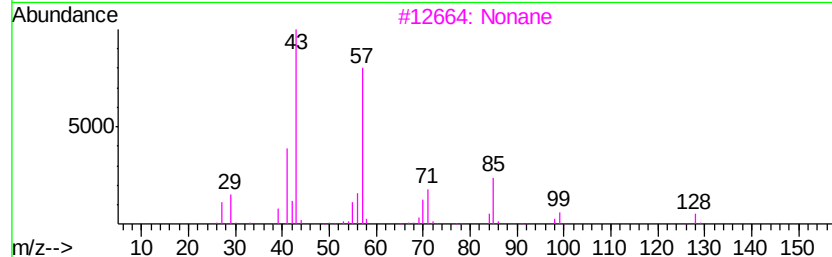
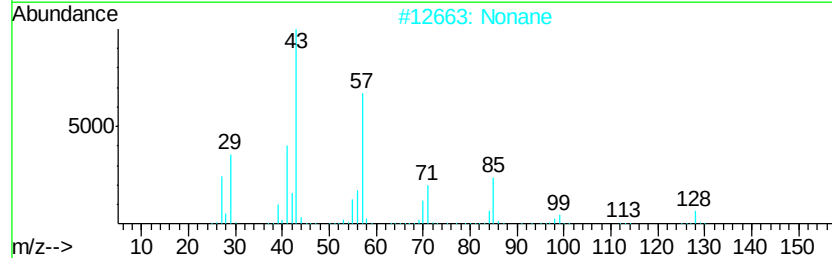
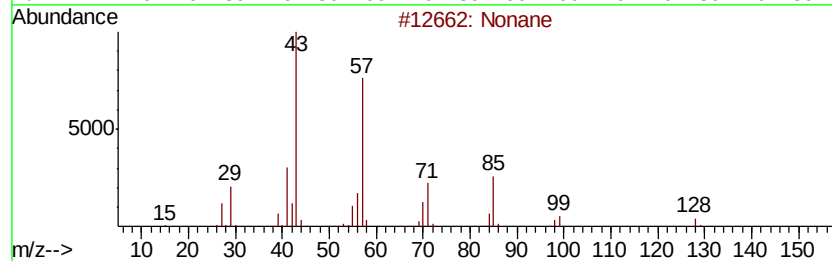
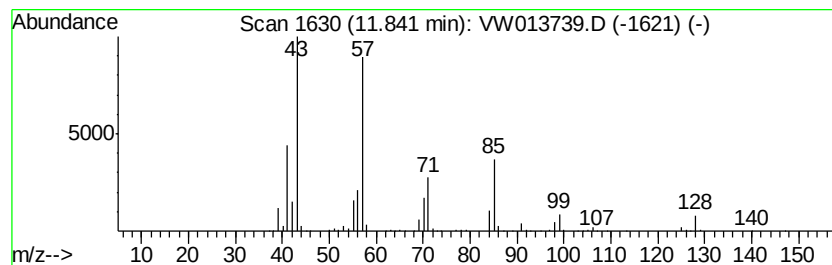
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Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	20.24 ug/L	649984	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane	128	C9H20	000111-84-2	97
2		Nonane	128	C9H20	000111-84-2	95
3		Nonane	128	C9H20	000111-84-2	91
4		Octane	114	C8H18	000111-65-9	72
5		1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

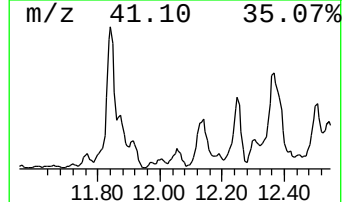
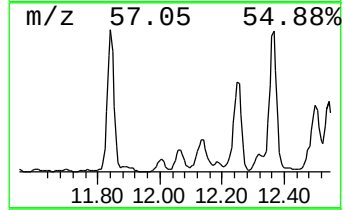
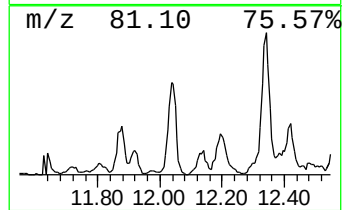
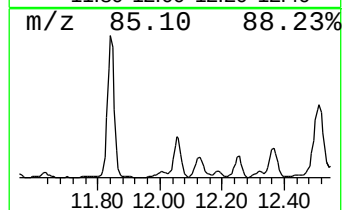
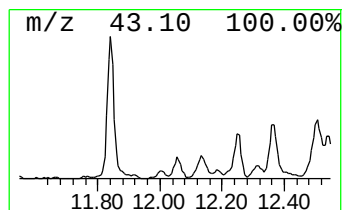
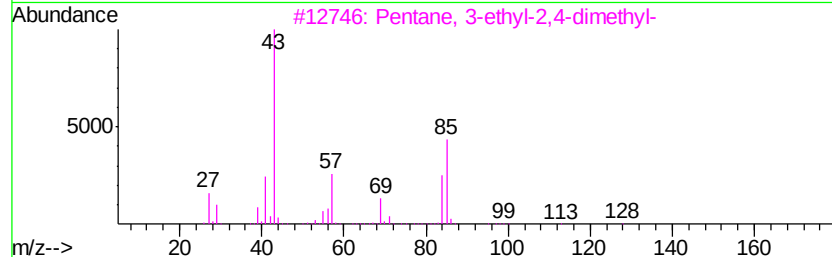
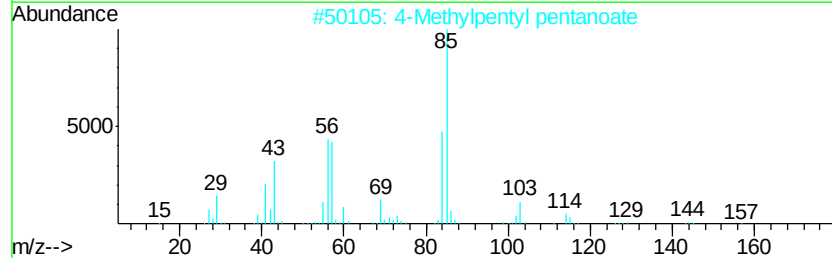
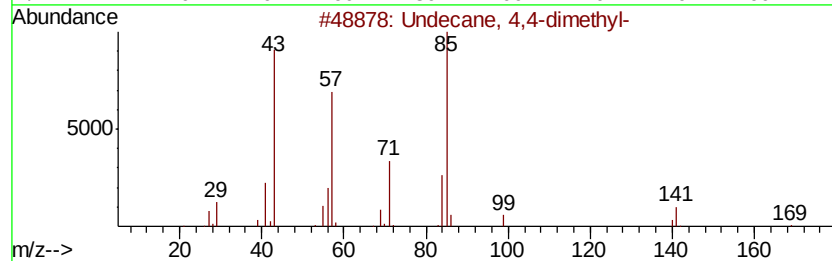
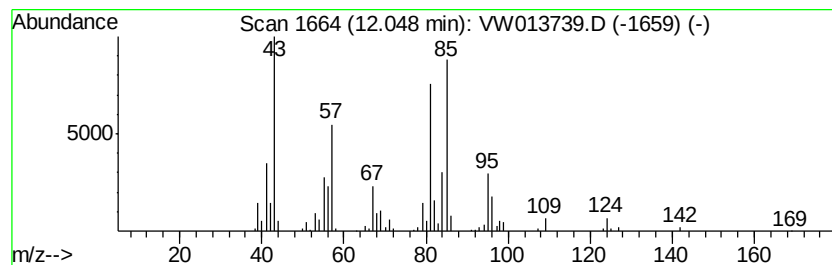
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.66 ug/L	149659	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 4,4-dimethyl-	184	C13H28	017312-68-4	64
2			4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	59
3			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53
4			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	53
5			Oxalic acid, hexyl isohexyl ester	258	C14H26O4	1000309-33-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

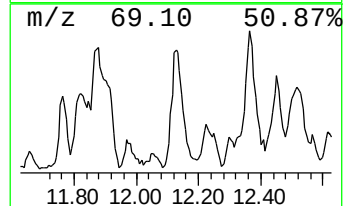
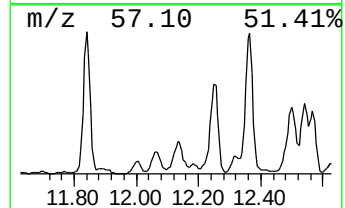
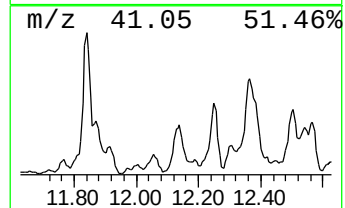
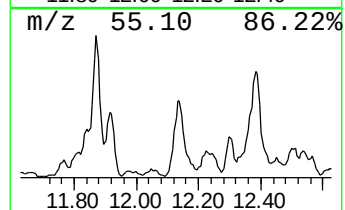
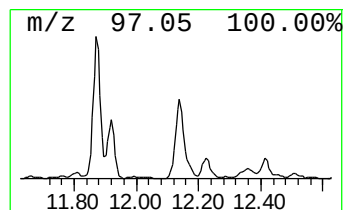
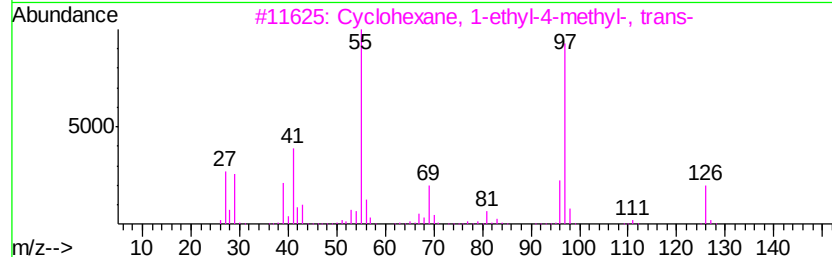
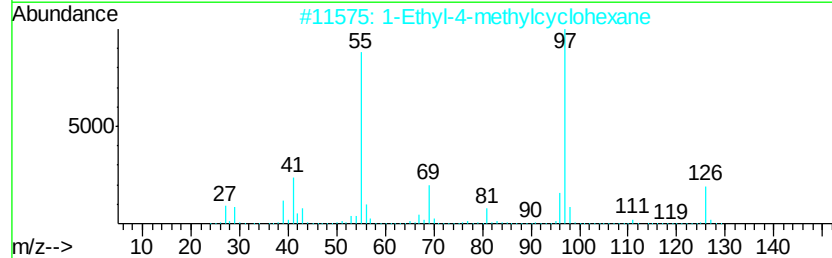
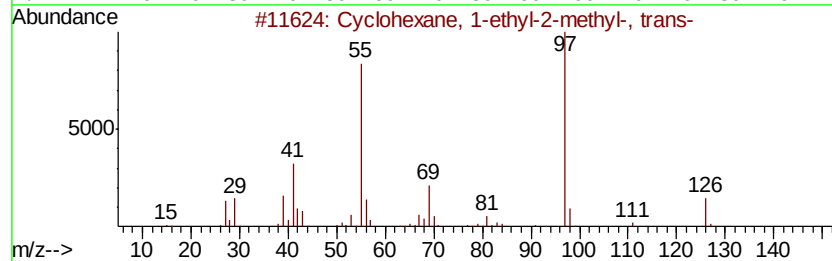
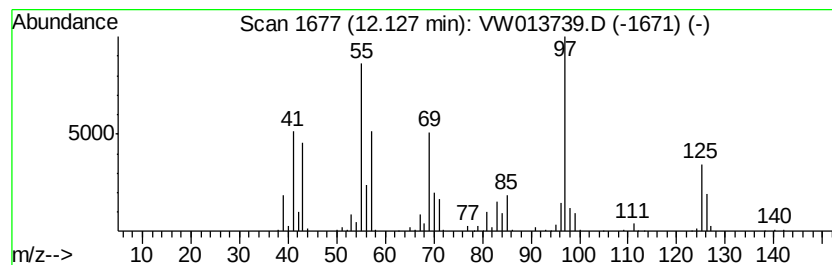
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Cyclic12.13 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.13	13.84 ug/L	444213	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	64
2		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
5		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

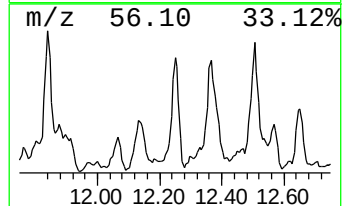
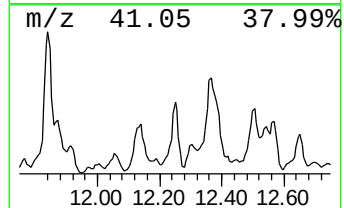
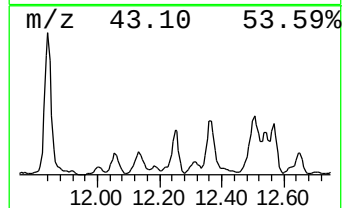
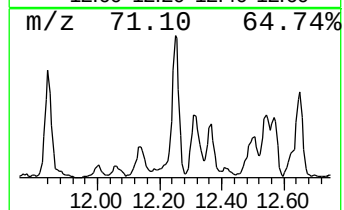
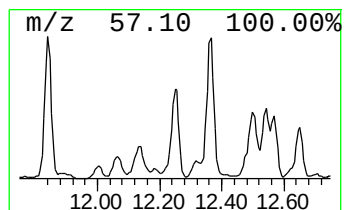
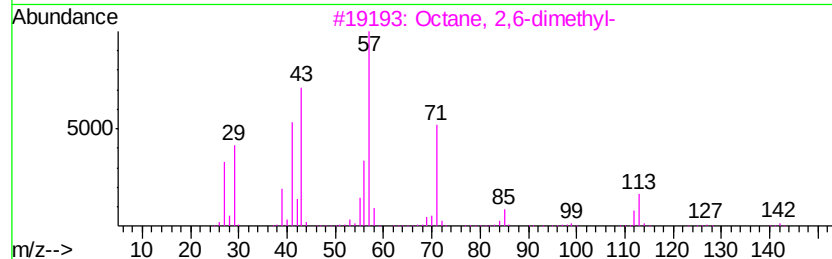
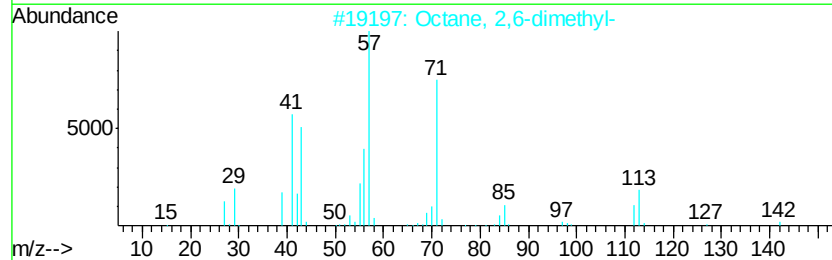
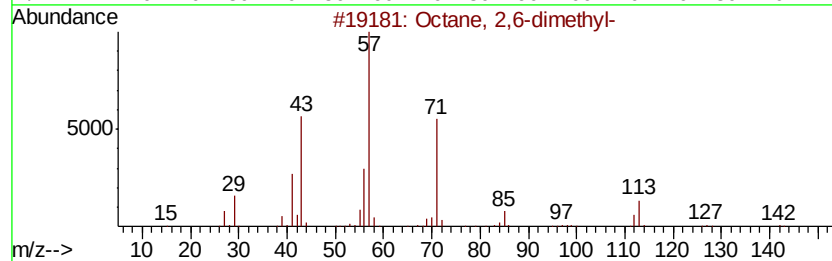
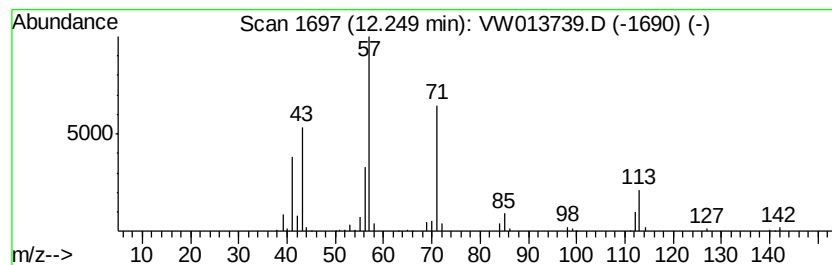
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	10.64 ug/L	341543	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

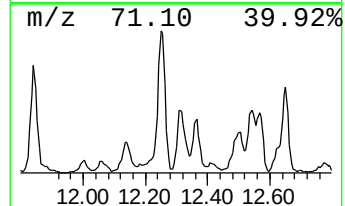
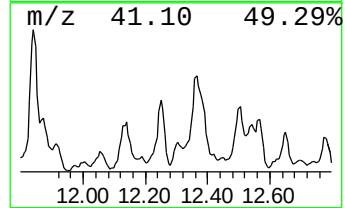
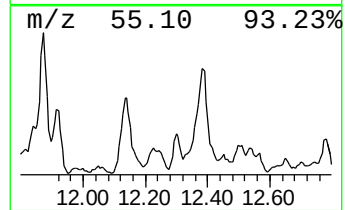
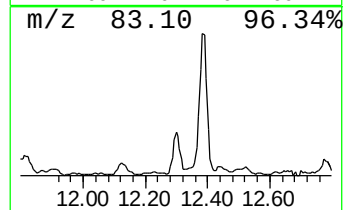
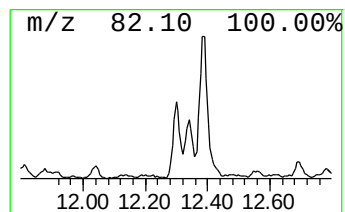
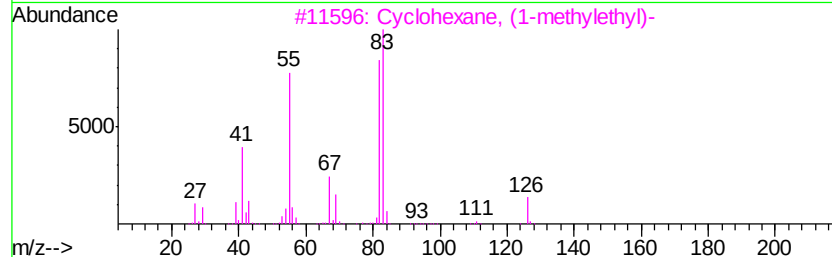
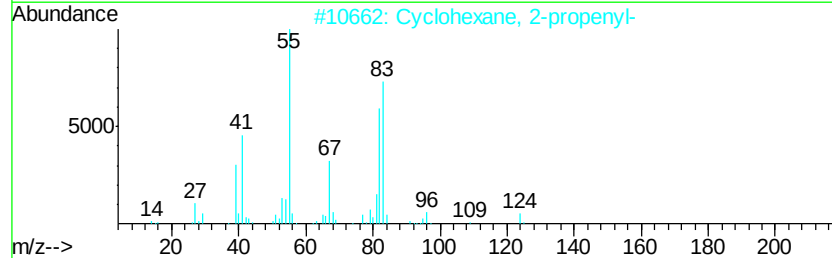
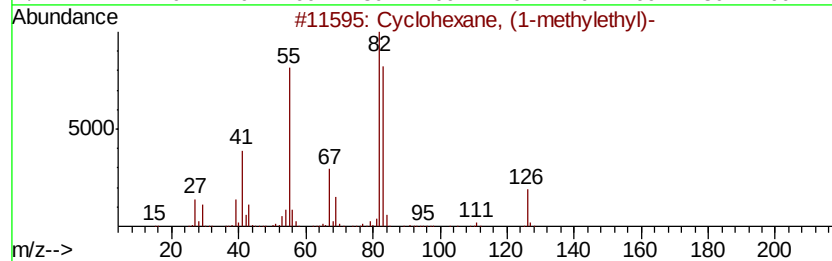
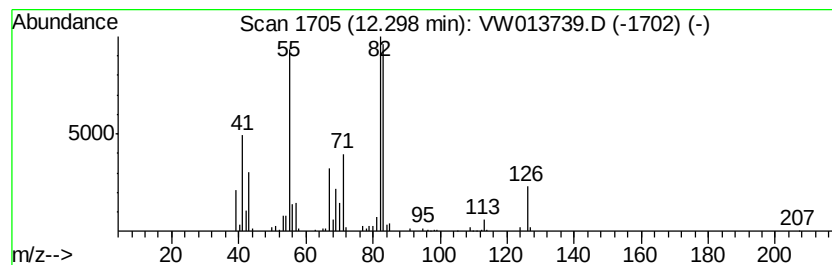
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Cyclic12.30 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	4.32 ug/L	138739	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	60
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	49
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	47
4	1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	46
5	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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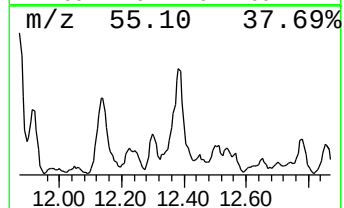
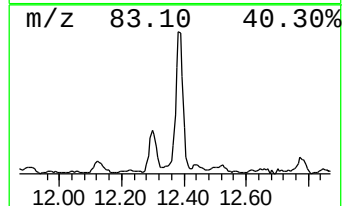
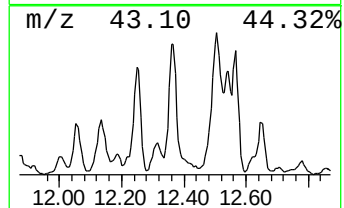
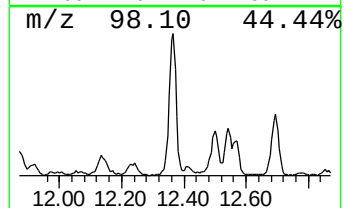
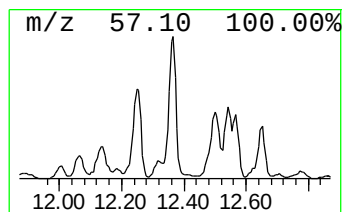
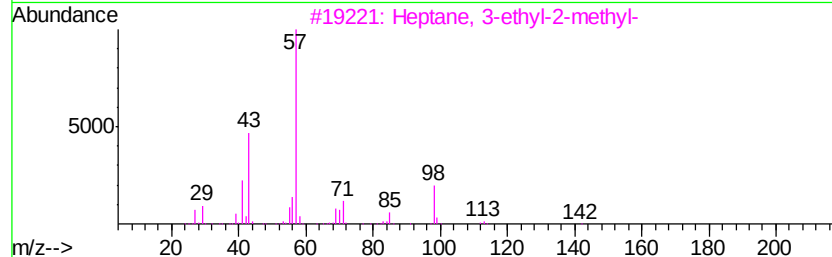
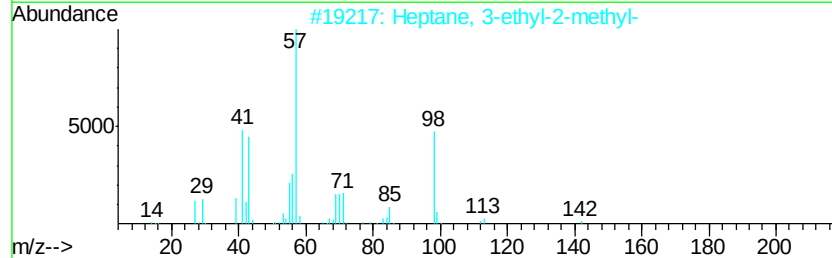
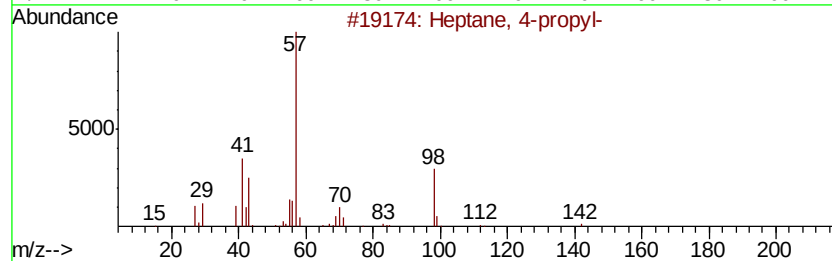
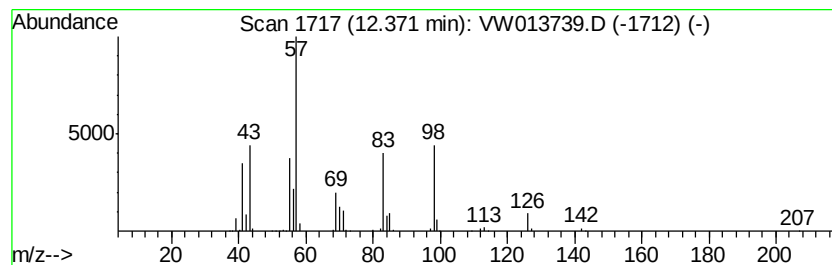
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	17.99 ug/L	577467	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	58
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
4		Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	43
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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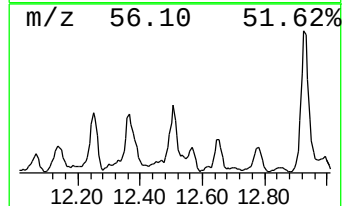
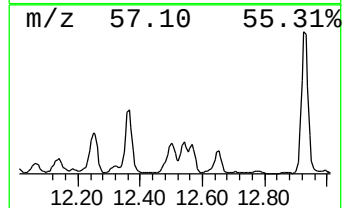
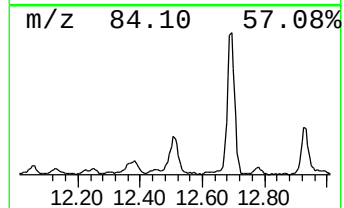
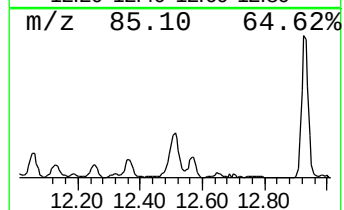
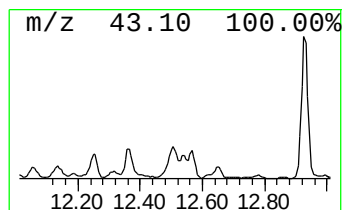
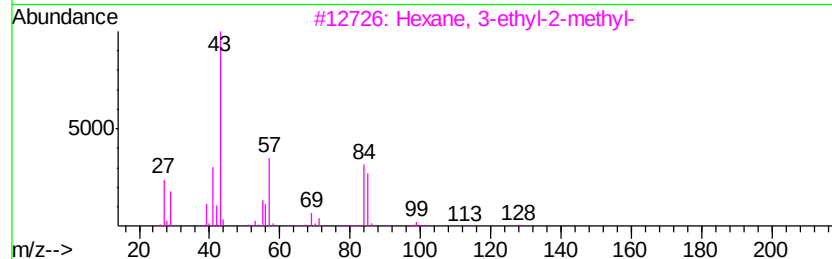
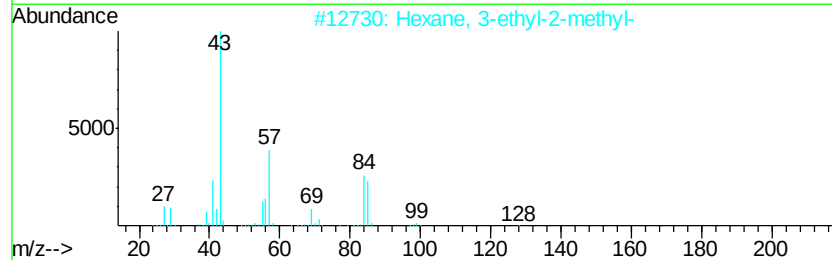
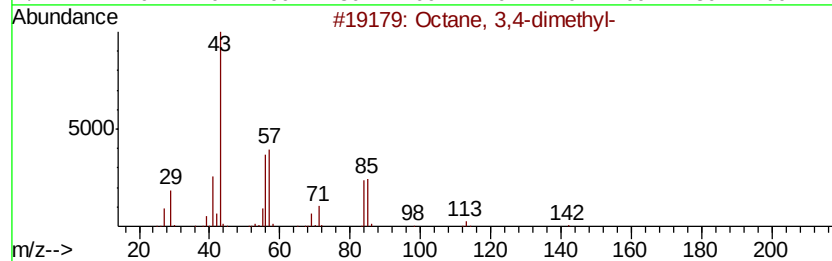
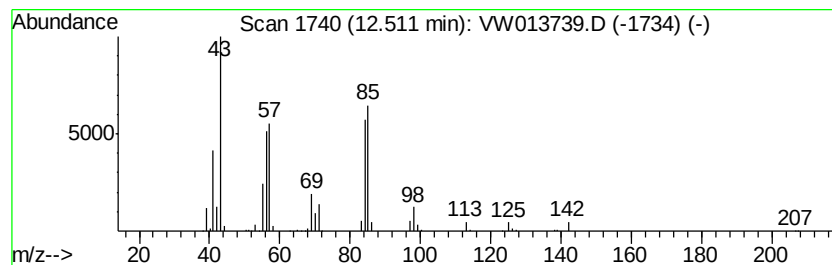
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	7.70 ug/L	247314	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,4-dimethyl-	142	C10H22	015869-92-8	64
2			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	47
3			Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	47
4			2,2-Dimethylpropionic acid, 4-me...	186	C11H22O2	150588-62-8	43
5			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

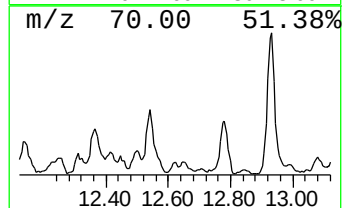
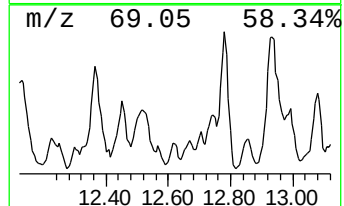
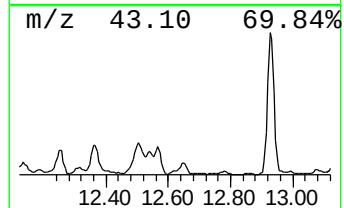
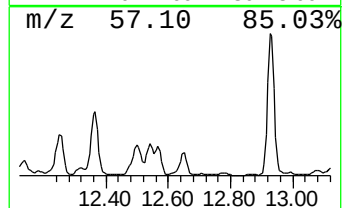
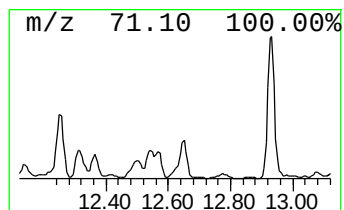
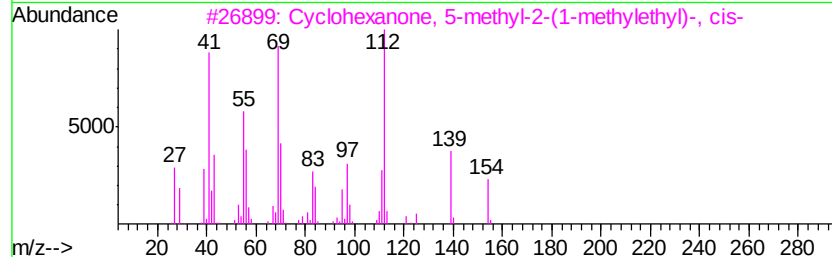
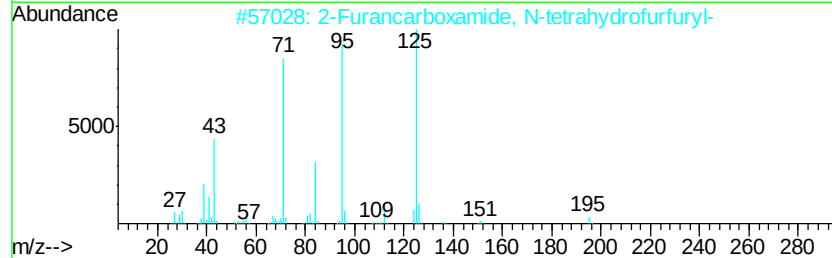
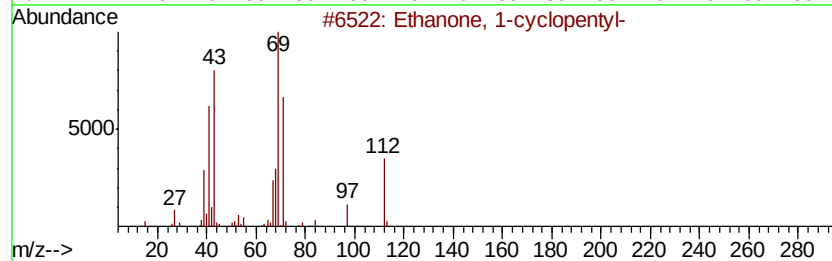
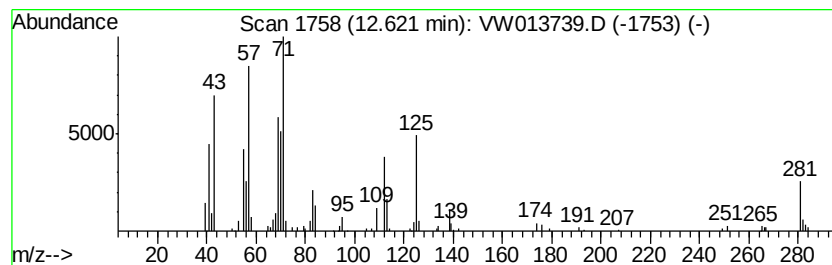
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 36 unknown-01 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.62	1.98 ug/L	54754	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	38
2	2-Furancarboxamide, N-tetrahydro...	195	C10H13NO3	1000307-03-4	35
3	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	14
4	Cyclobutane, 1,2:3,4-bis(propane...	224	C10H18B2O4	1000159-70-4	14
5	trans-4-Dimethylamino-4'-methoxy...	281	C18H19NO2	052119-37-6	11



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

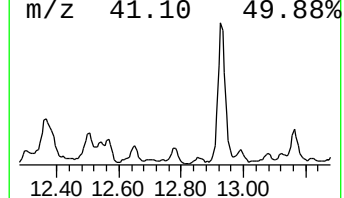
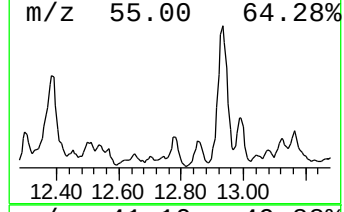
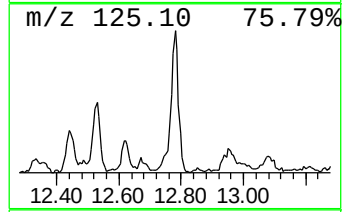
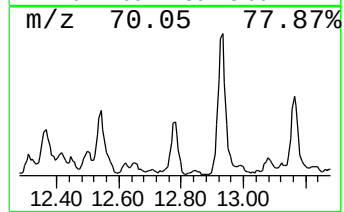
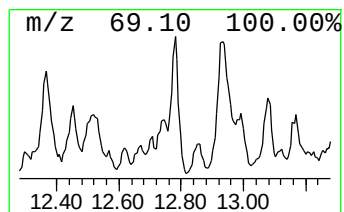
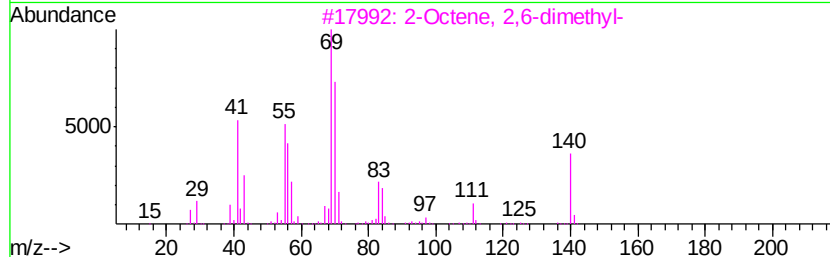
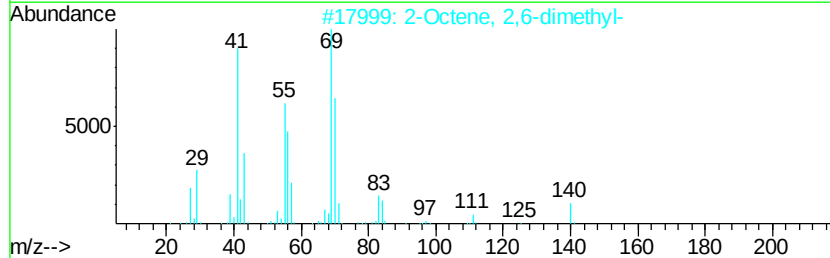
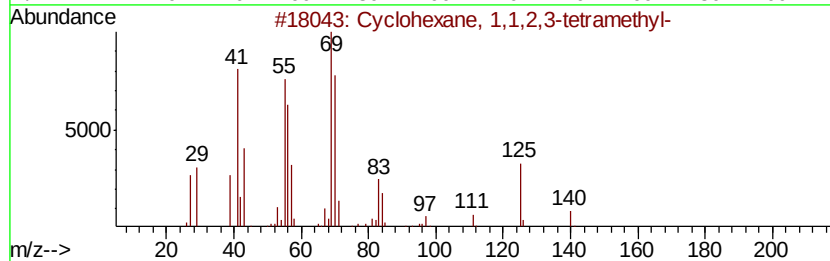
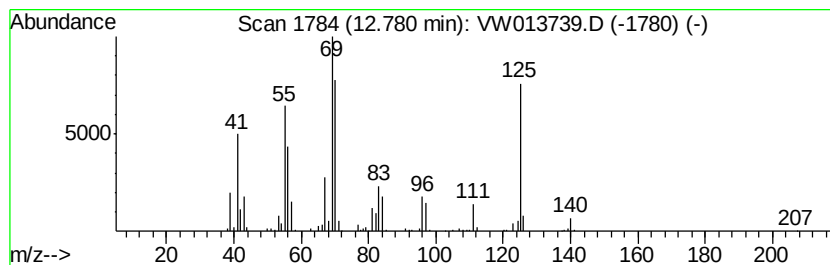
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Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Cyclic12.78 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	7.95 ug/L	219818	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	62
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	58
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
4		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
5		3-Octene, 4-ethyl-	140	C10H20	053966-51-1	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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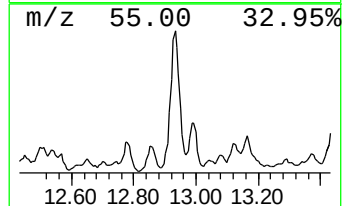
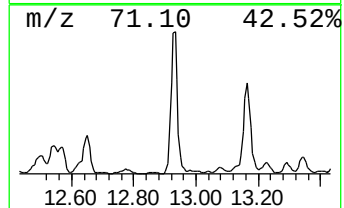
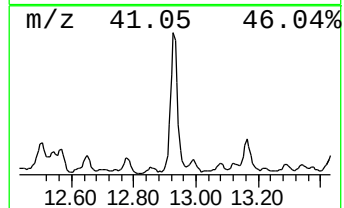
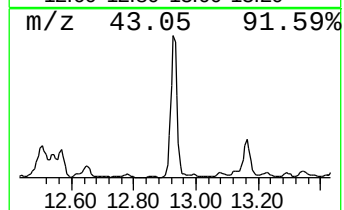
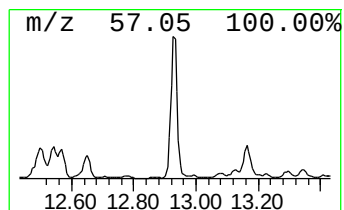
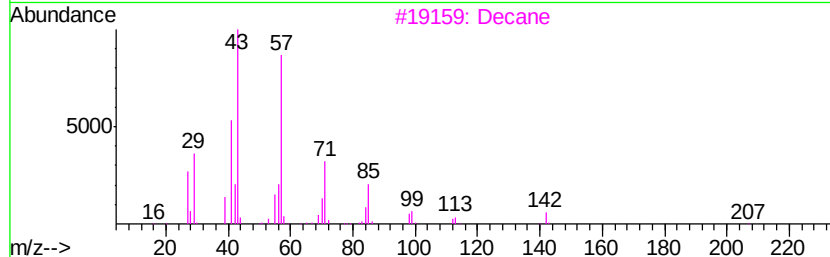
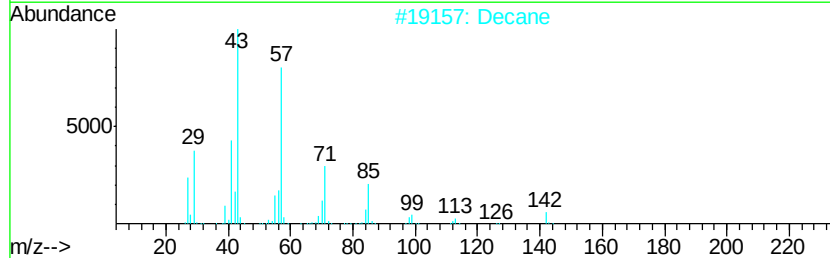
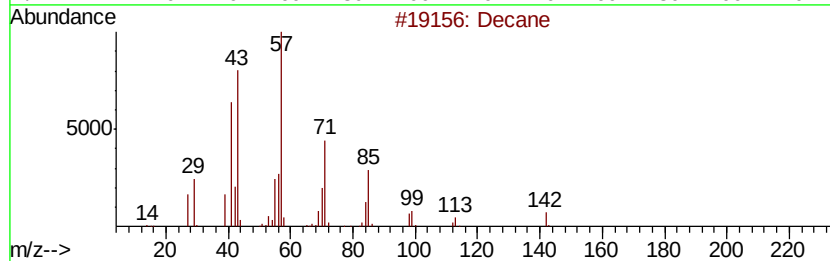
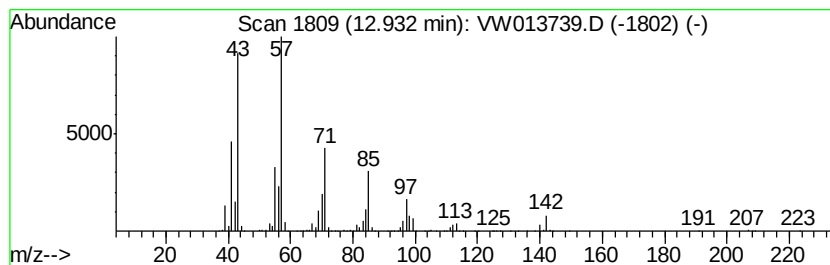
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	55.53 ug/L	1534700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	95
2		Decane	142	C10H22	000124-18-5	93
3		Decane	142	C10H22	000124-18-5	93
4		Undecane	156	C11H24	001120-21-4	80
5		Decane	142	C10H22	000124-18-5	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

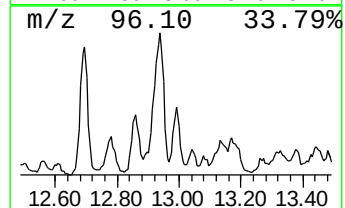
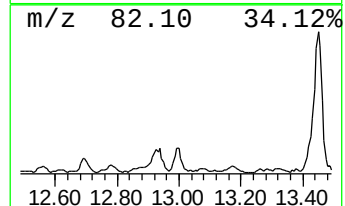
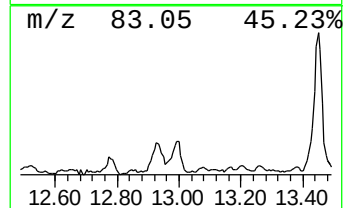
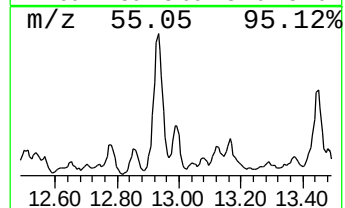
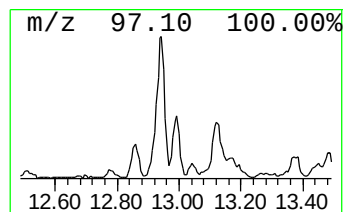
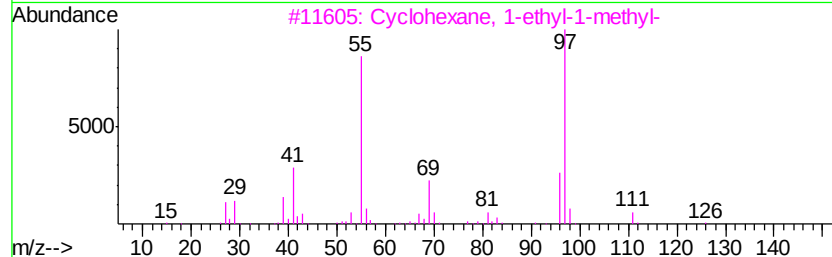
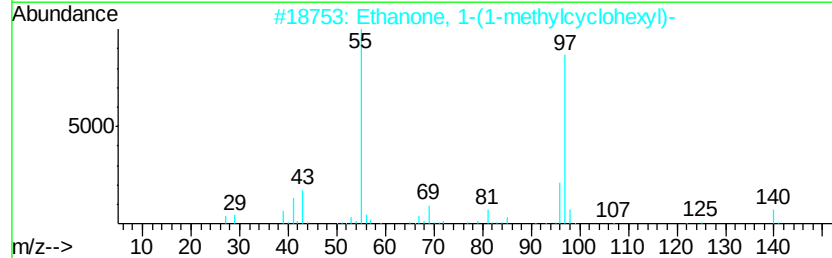
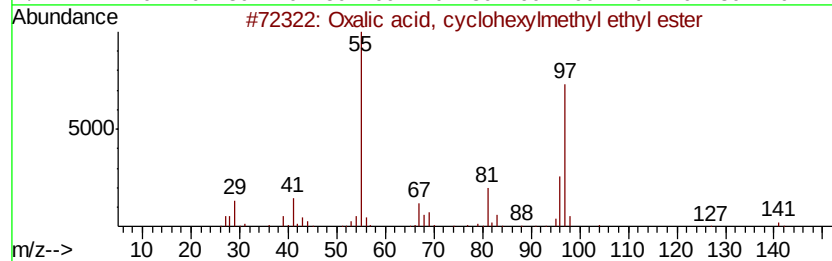
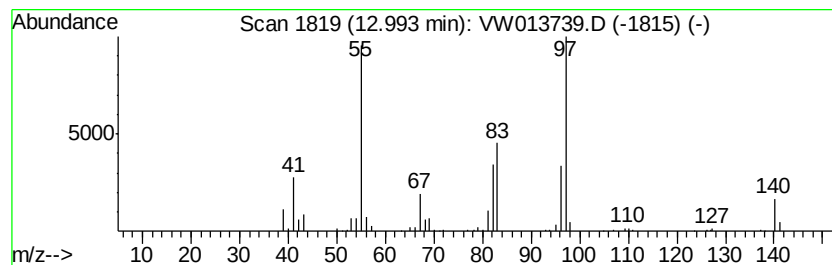
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Quant Title : VOC Analysis

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

Peak Number 40 Oxalic acid, cyclohexylmeth... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	5.72 ug/L	158041	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, cvclohexvlmethvl et...	214	C11H18O4	1000309-68-0	50
2		Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47
3		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	46
4		Semustine	247	C10H18ClN3O2	013909-09-6	43
5		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

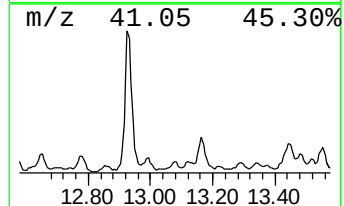
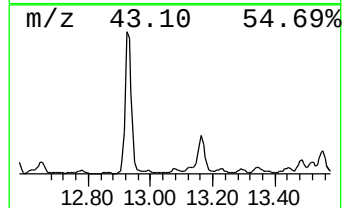
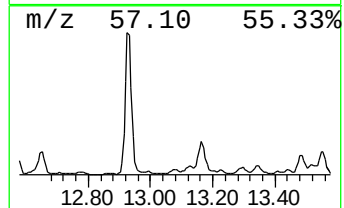
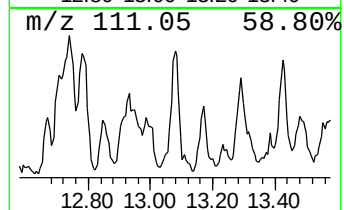
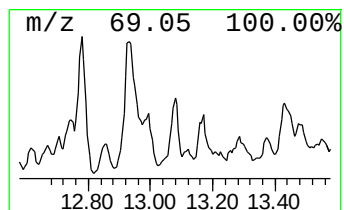
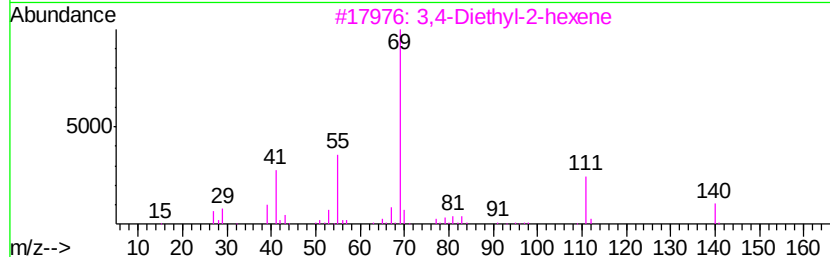
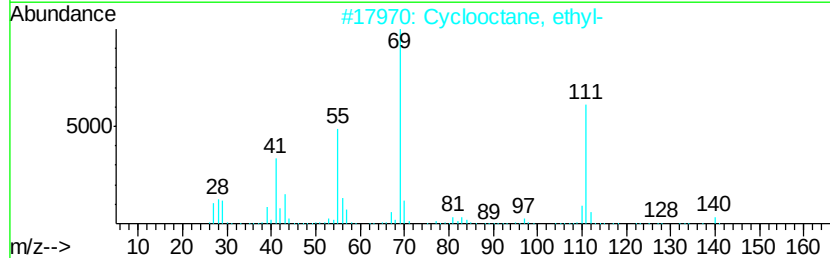
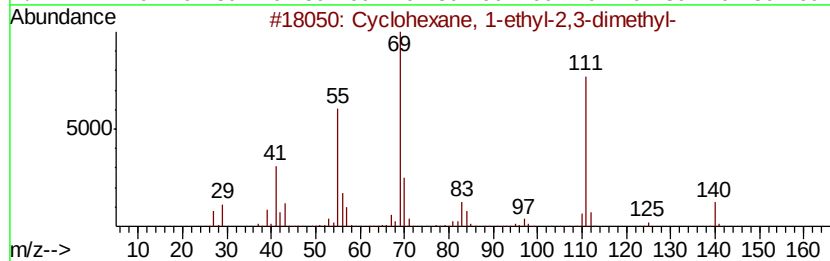
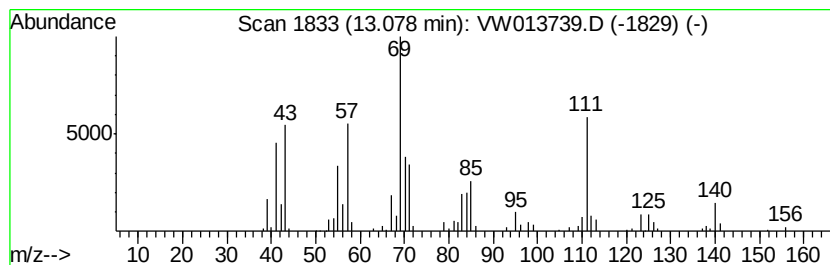
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Cyclic13.08 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.63 ug/L	72689	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	43
2		Cyclooctane, ethyl-	140	C10H20	013152-02-8	38
3		3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	38
4		1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	35
5		1-Pentene, 3,3-dimethyl-	98	C7H14	003404-73-7	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

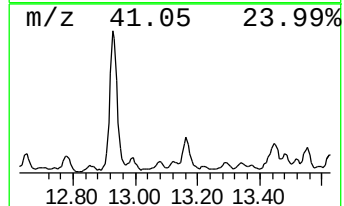
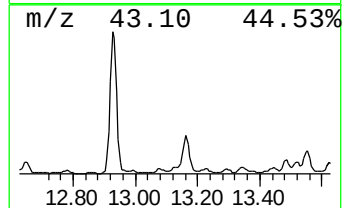
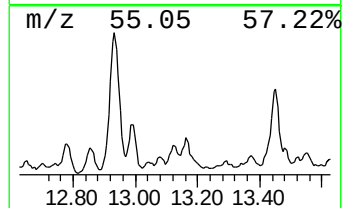
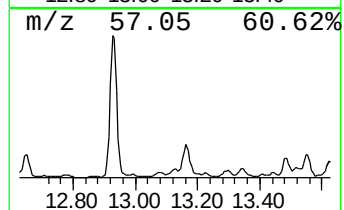
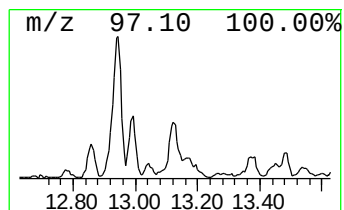
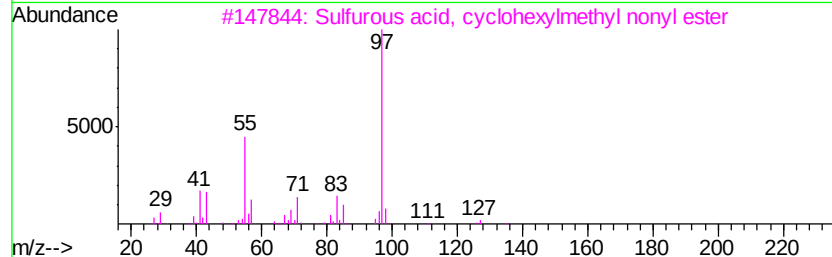
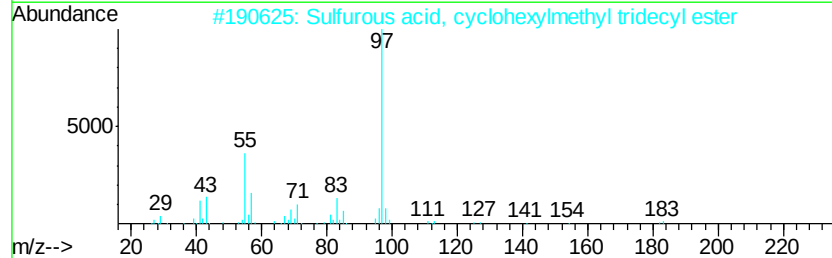
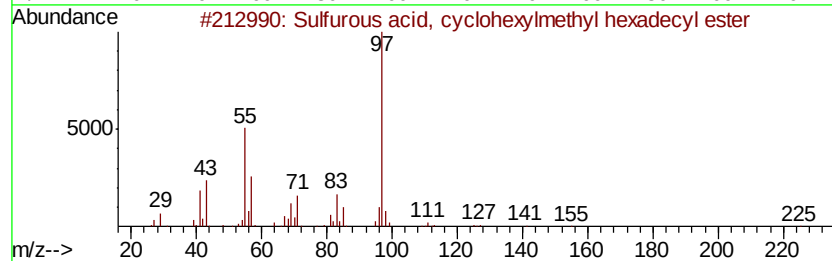
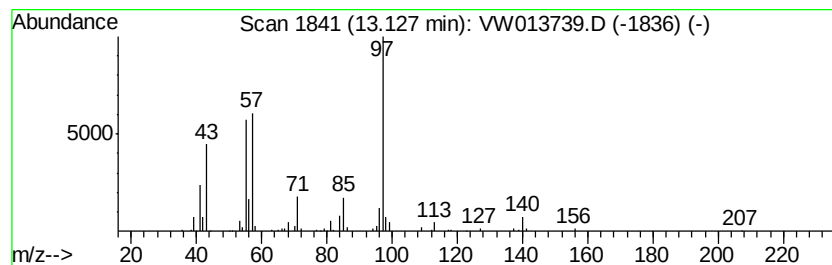
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Quant Title : VOC Analysis

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

Peak Number 42 Sulfurous acid, cyclohexylm... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.16 ug/L	87334	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	78
2		Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	72
3		Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	72
4		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	64
5		Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

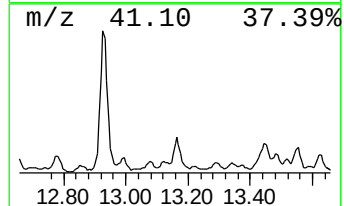
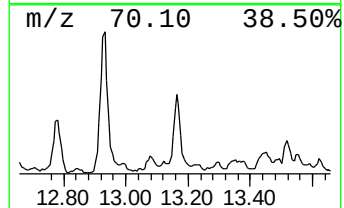
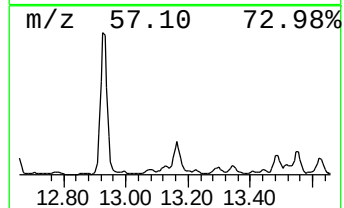
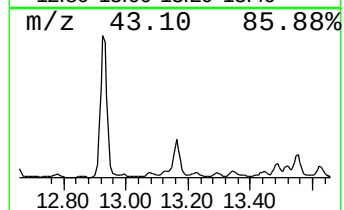
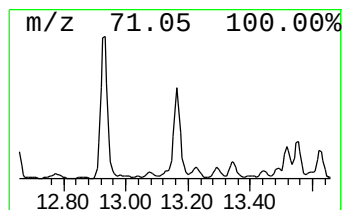
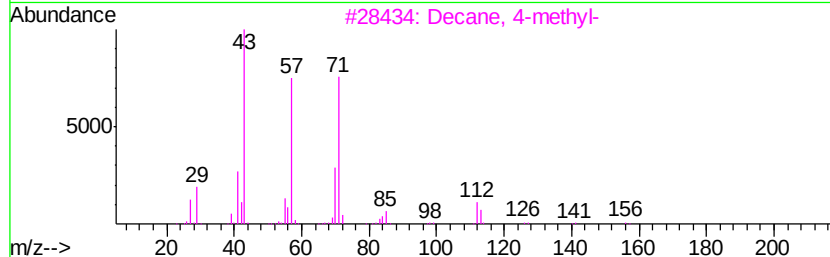
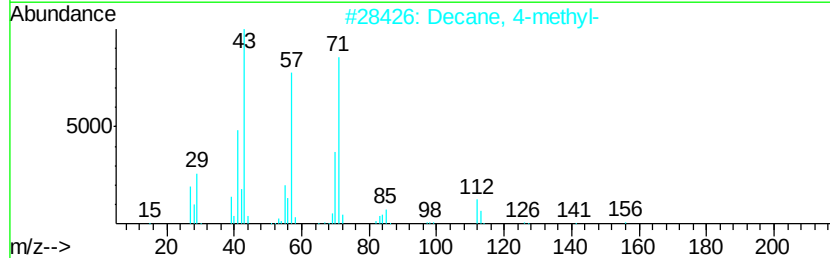
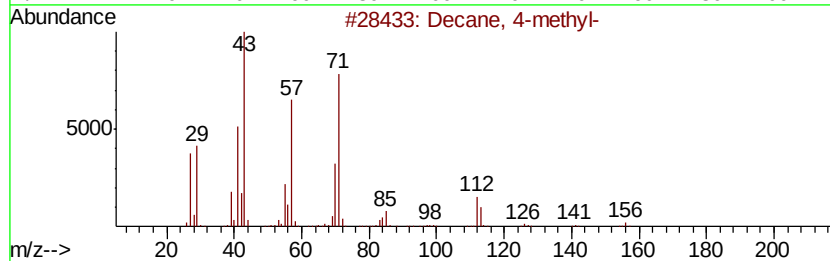
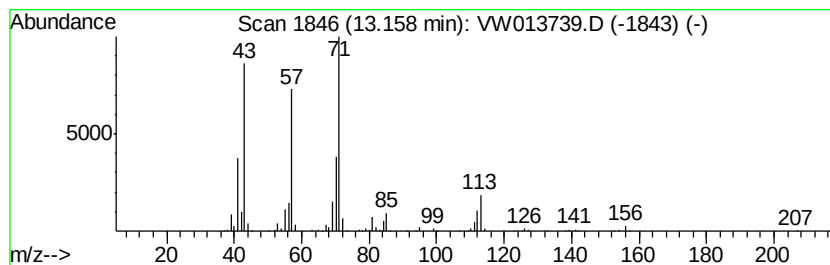
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Quant Title : VOC Analysis

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

Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	12.79 ug/L	353472	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2		Decane, 4-methyl-	156	C11H24	002847-72-5	83
3		Decane, 4-methyl-	156	C11H24	002847-72-5	83
4		Decane, 2,3,4-trimethyl-	184	C13H28	062238-15-7	59
5		Bis(2-ethylhexyl) methylenesucci...	354	C21H38O4	002287-83-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

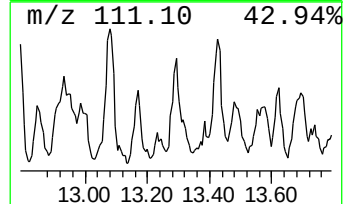
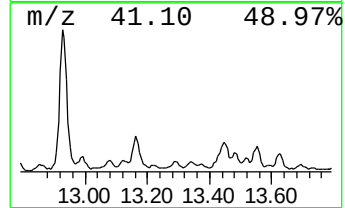
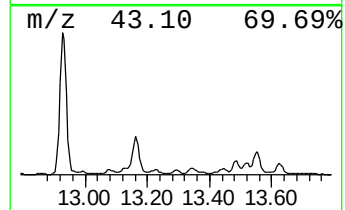
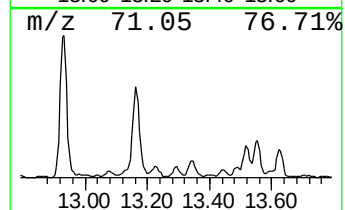
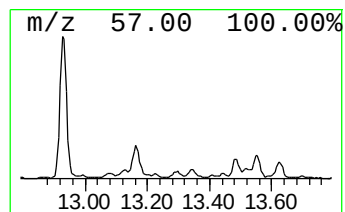
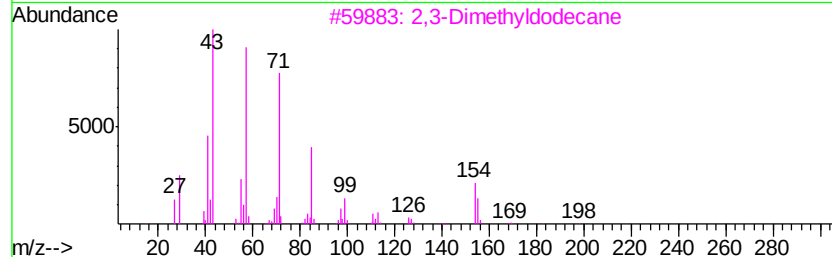
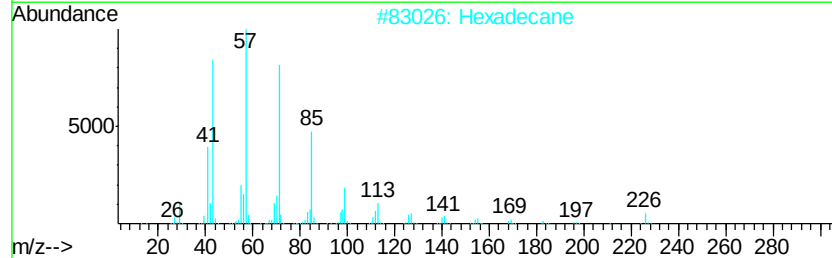
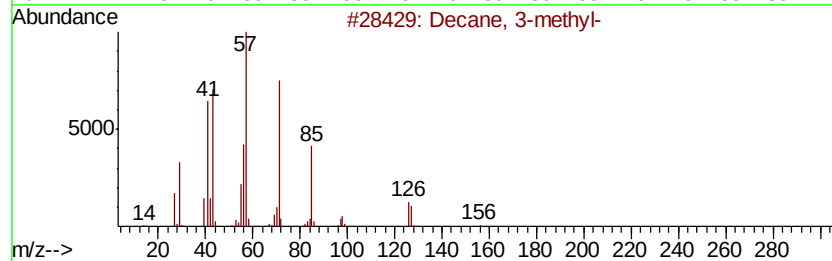
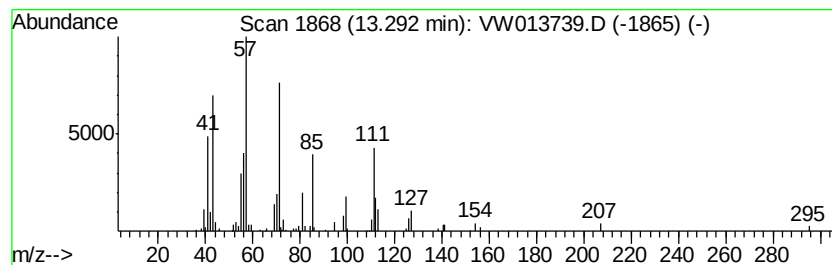
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	1.84 ug/L	50942	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	58
2			Hexadecane	226	C16H34	000544-76-3	50
3			2,3-Dimethyldodecane	198	C14H30	006117-98-2	47
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

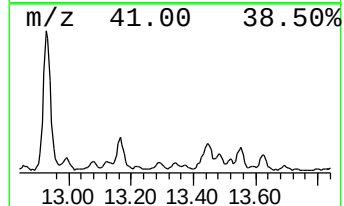
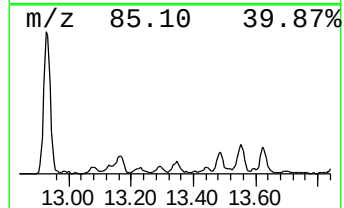
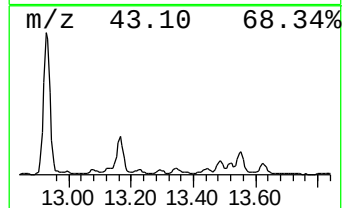
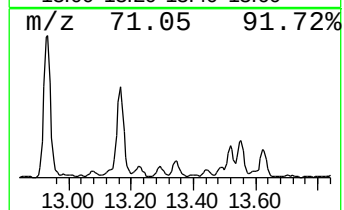
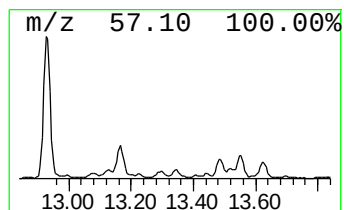
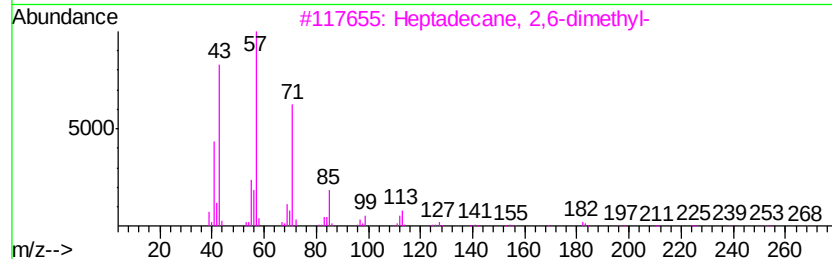
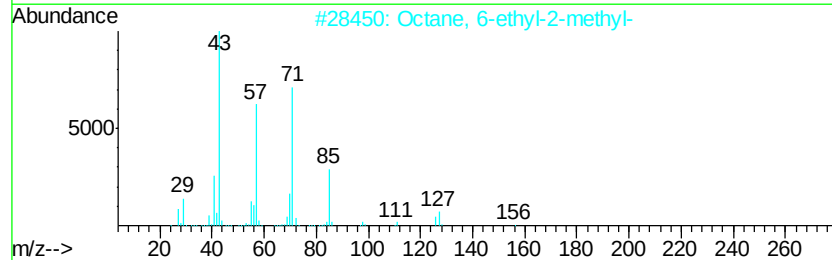
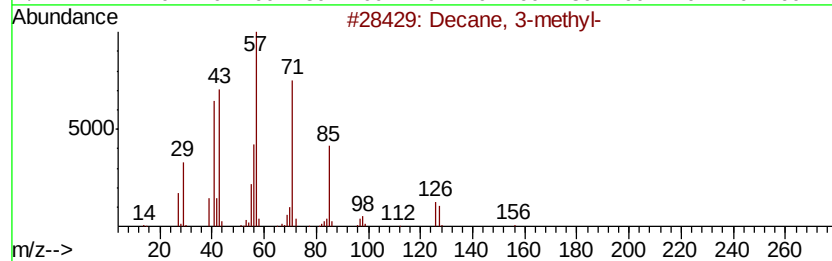
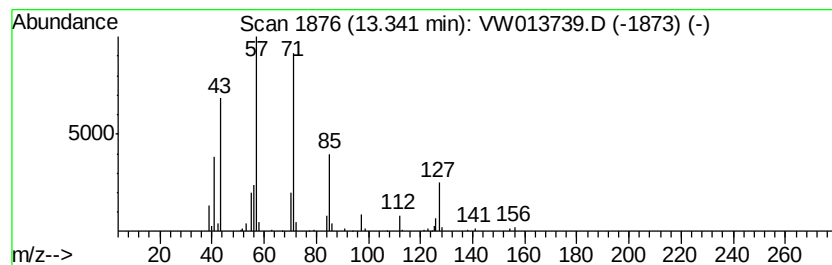
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	1.67 ug/L	46068	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3-methyl-	156	C11H24	013151-34-3	64
2			Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
3			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	53
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5			Heptadecane, 8-methyl-	254	C18H38	013287-23-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

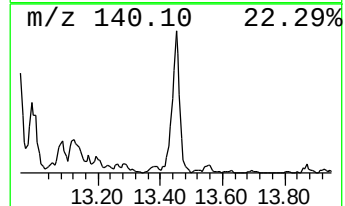
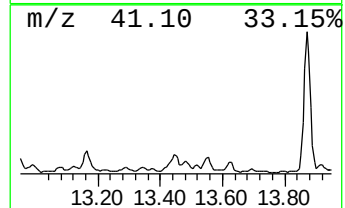
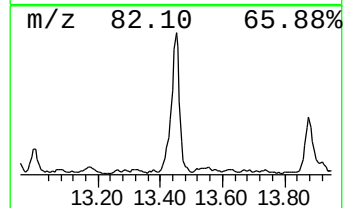
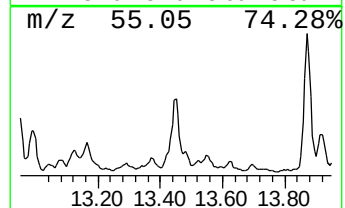
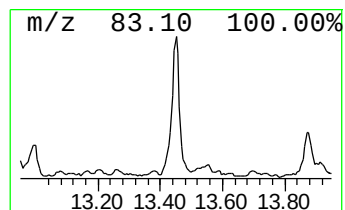
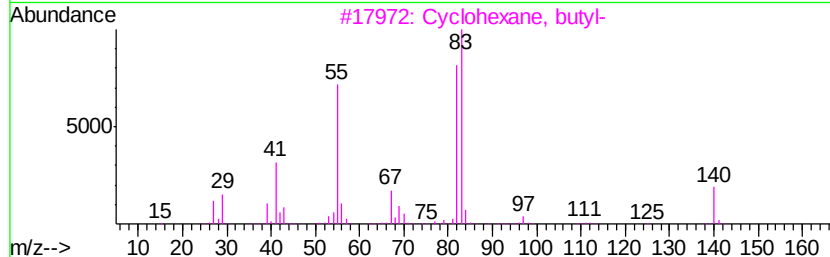
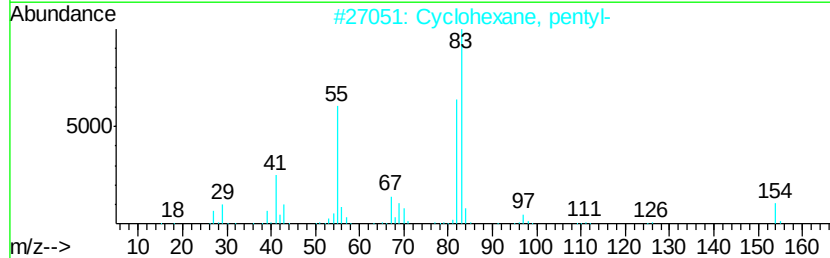
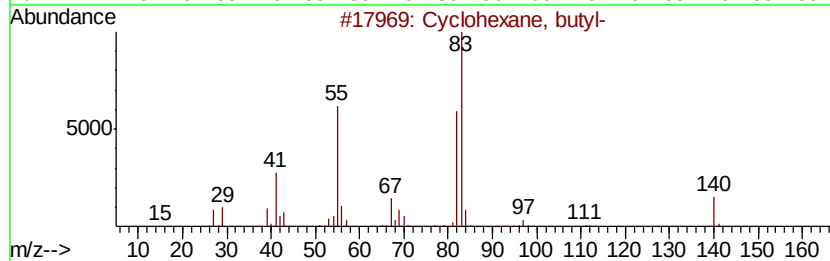
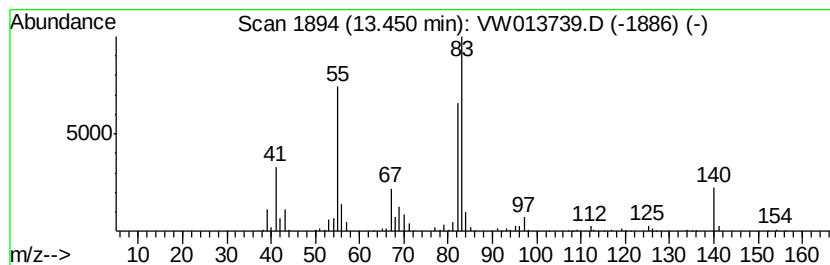
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Cyclic13.45 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	14.64 ug/L	404504	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 94
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6 93
3		Cyclohexane, butyl-	140 C10H20	001678-93-9 90
4		Cyclohexane, pentyl-	154 C11H22	004292-92-6 87
5		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013739.D
 Acq On : 25 Oct 2019 11:19
 Operator : SY/VA
 Sample : K5535-05
 Misc : 6.33G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK27

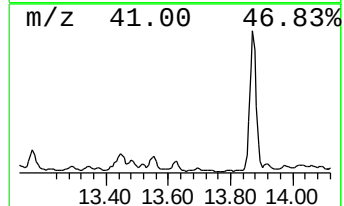
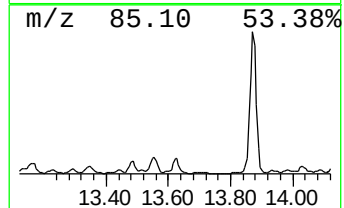
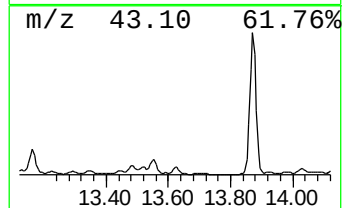
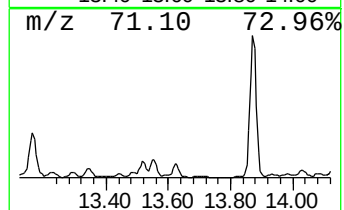
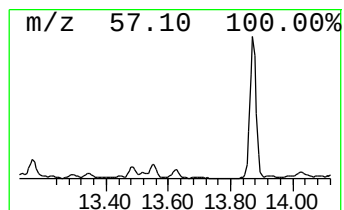
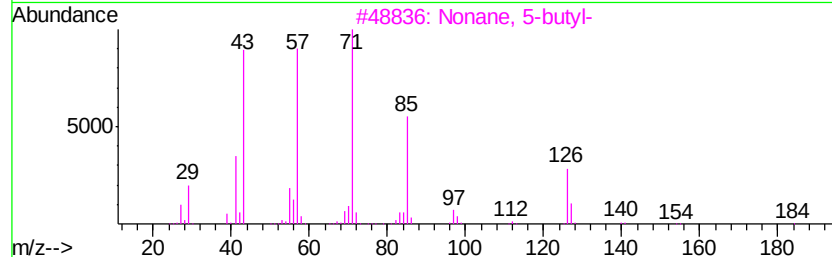
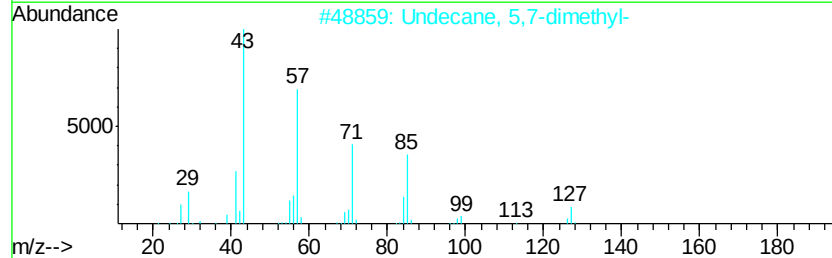
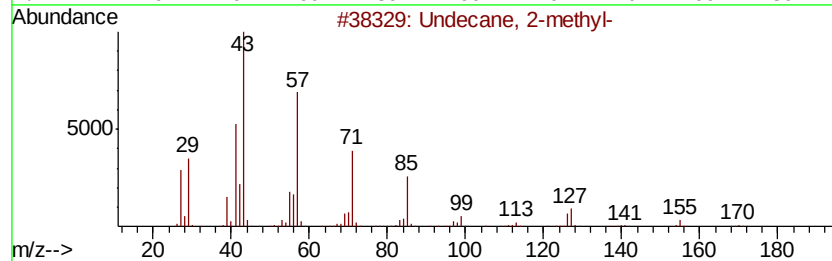
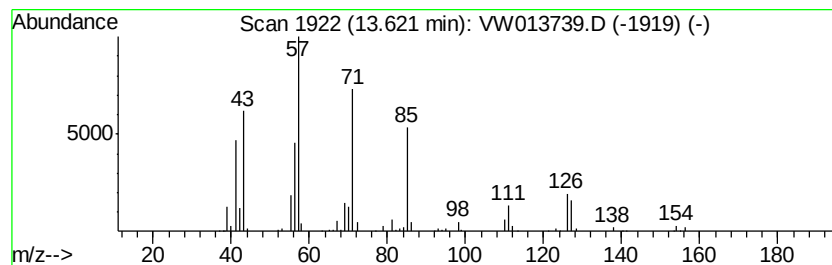
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 Quant Title : VOC Analysis

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

 Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	5.12 ug/L	141547	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2-methyl-	170	C12H26	007045-71-8	59
2		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	50
4		10-Methylnonadecane	282	C20H42	056862-62-5	50
5		Hexacosane	366	C26H54	000630-01-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BEK27

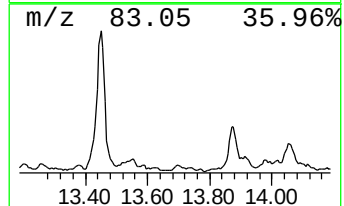
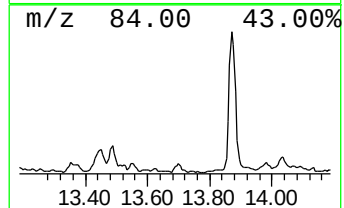
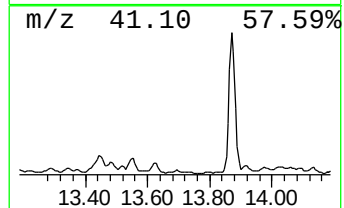
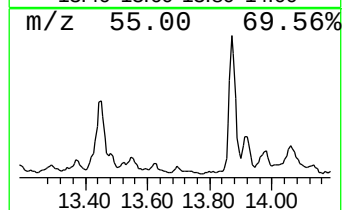
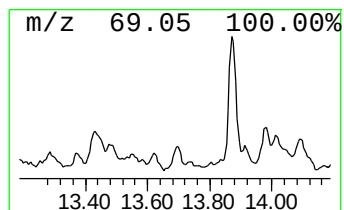
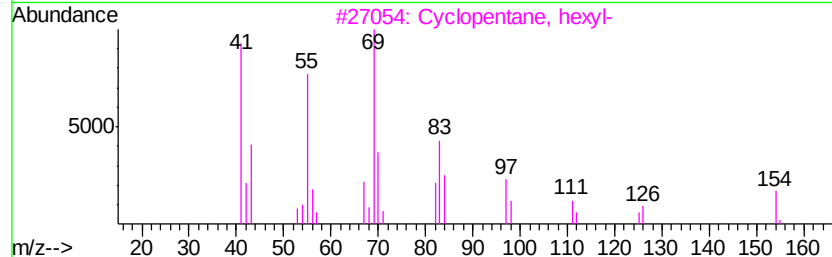
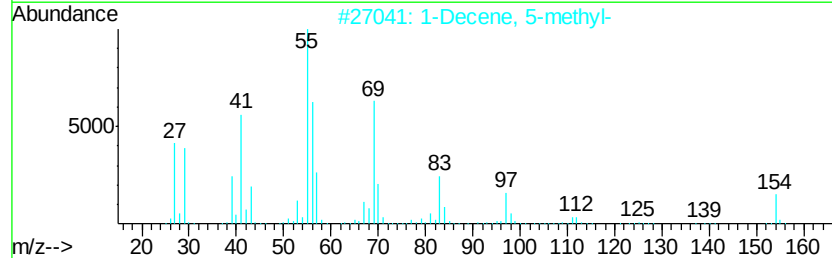
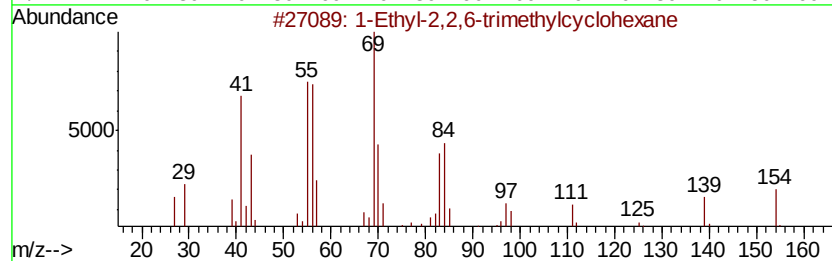
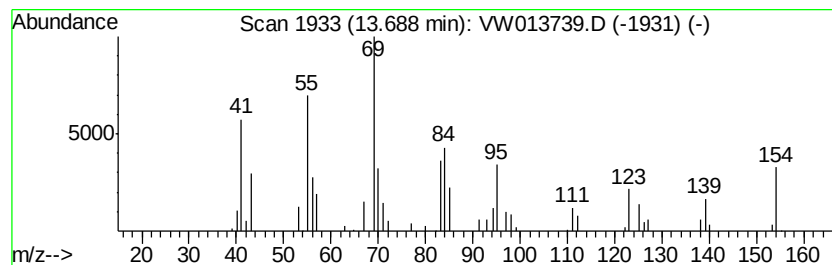
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Cyclic13.69 Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	1.38 ug/L	38065	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	74
2		1-Decene, 5-methyl-	154	C11H22	054244-79-0	62
3		Cyclopentane, hexyl-	154	C11H22	004457-00-5	60
4		4-Decene	140	C10H20	019689-18-0	52
5		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

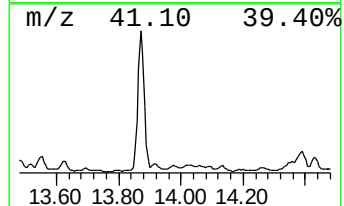
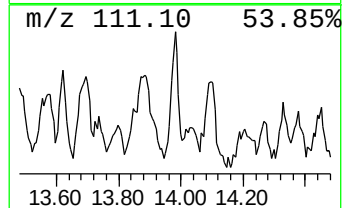
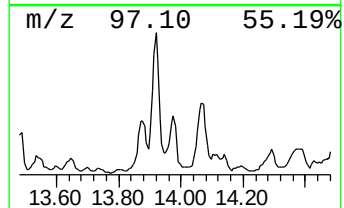
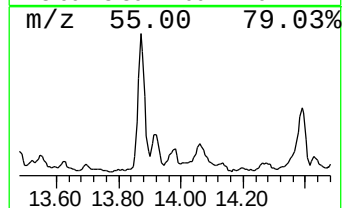
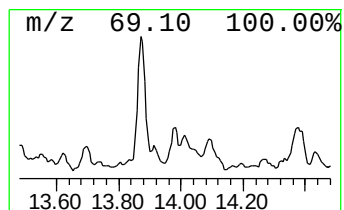
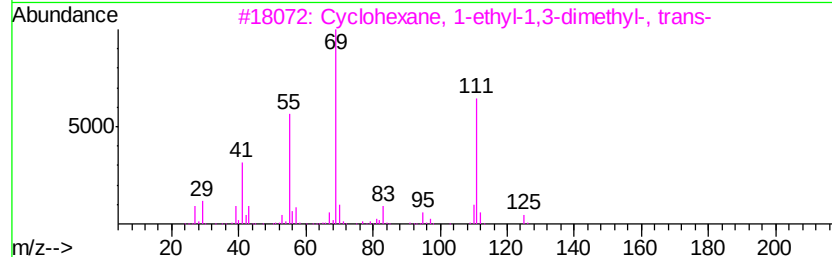
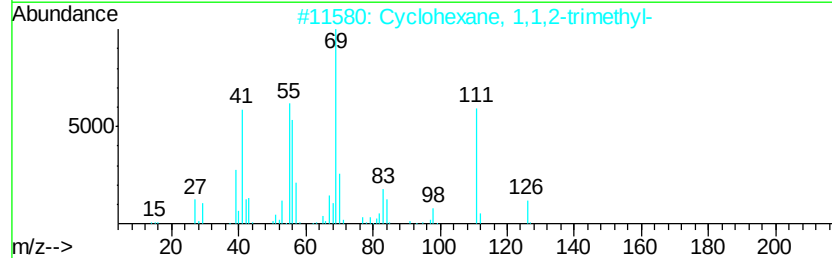
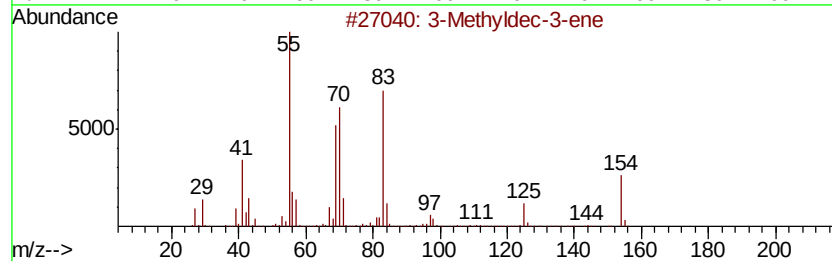
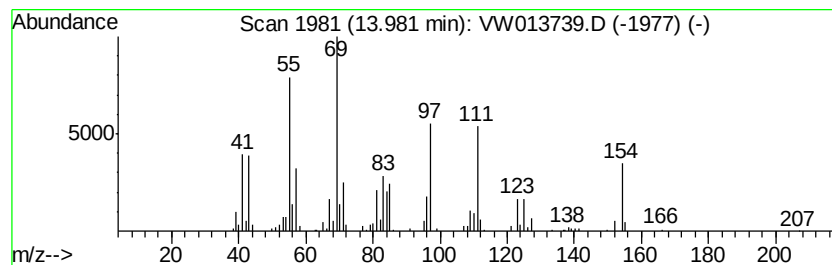
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Quant Title : VOC Analysis

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

Peak Number 50 (DEL) Alkane: Cyclic13.98 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.60 ug/L	71772	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methyldec-3-ene	154	C11H22	036969-75-2	43
2		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	38
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140	C10H20	062238-29-3	38
4		2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	38
5		1-Pyrroline, 3-ethyl-	97	C6H11N	1000073-06-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
 Data File : VW013739.D
 Acq On : 25 Oct 2019 11:19
 Operator : SY/VA
 Sample : K5535-05
 Misc : 6.33G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK27

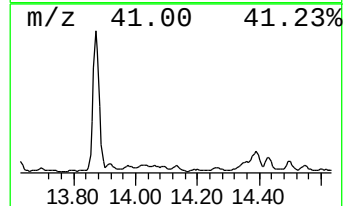
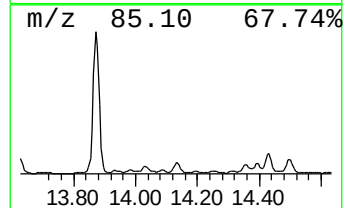
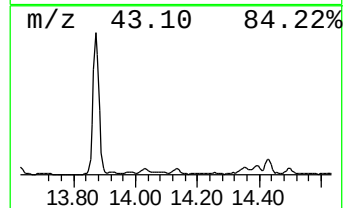
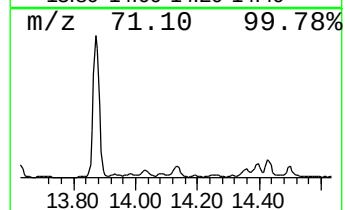
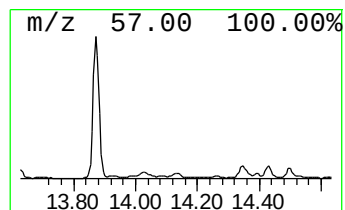
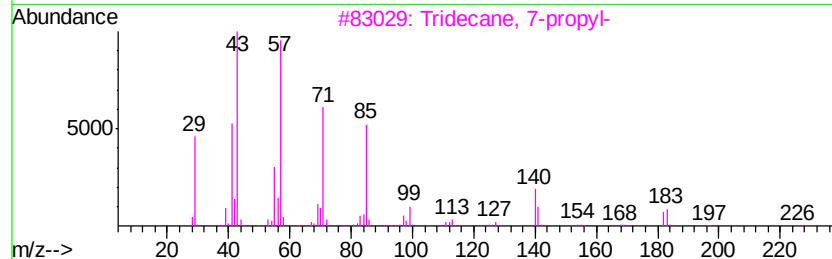
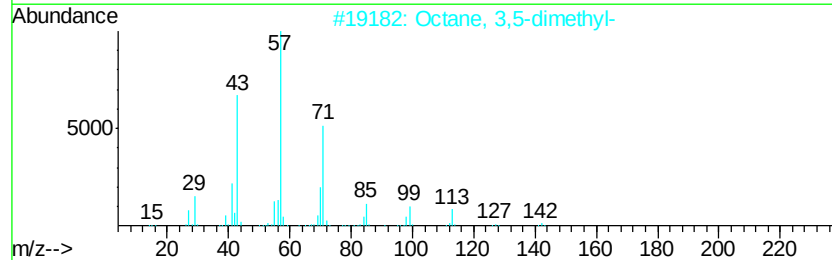
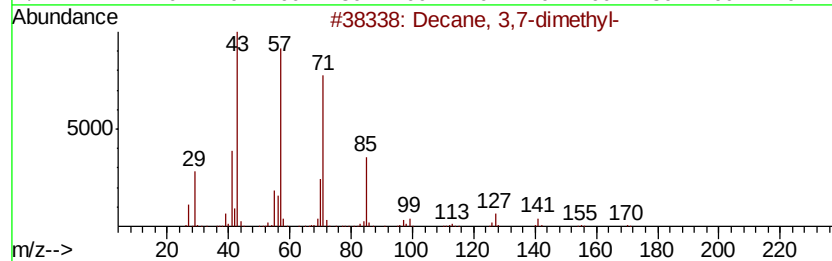
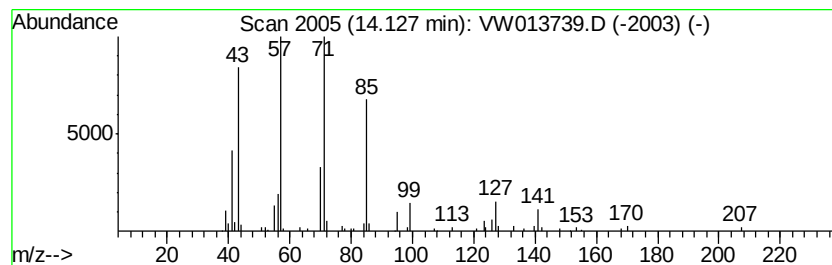
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 Quant Title : VOC Analysis

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

 Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	3.51 ug/L	97040	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	64
2			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	50
3			Tridecane, 7-propyl-	226	C16H34	055045-09-5	50
4			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	47
5			Octane, 4-methyl-	128	C9H20	002216-34-4	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

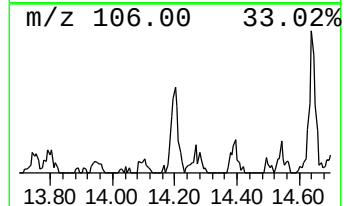
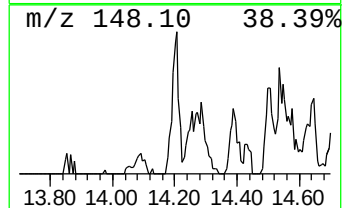
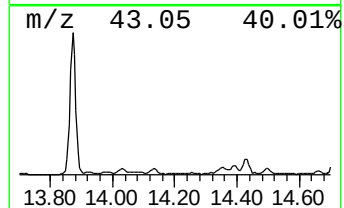
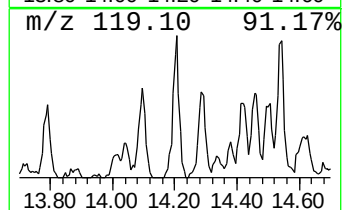
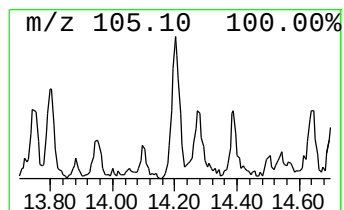
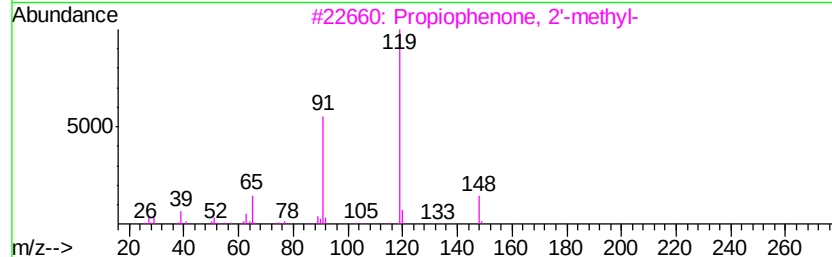
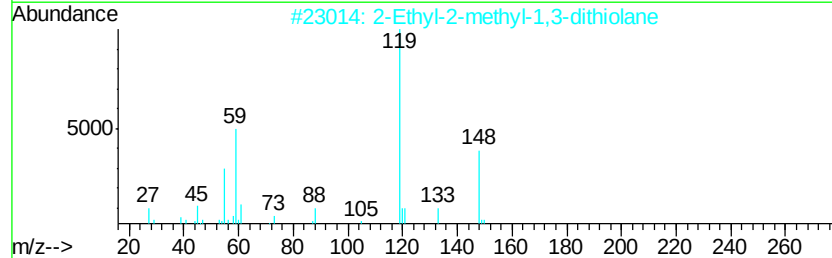
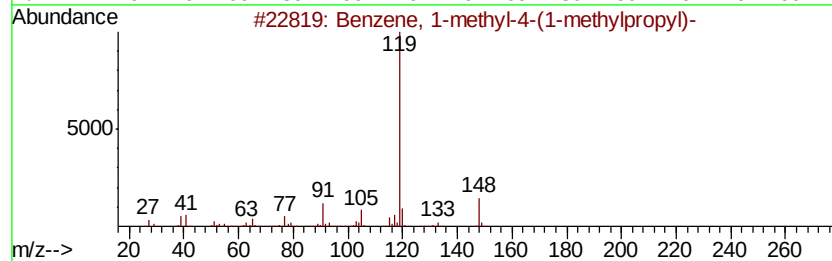
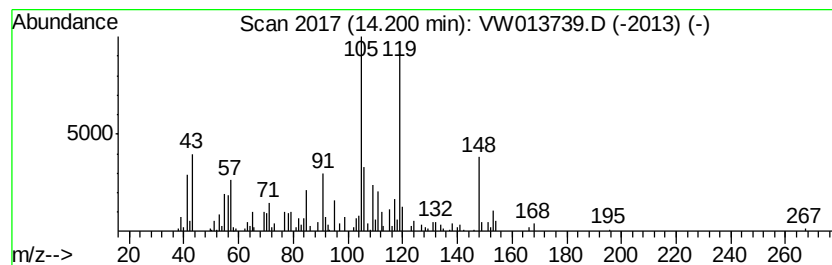
Instrument :
MSVOA_W
ClientSampleId :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 52 unknown-02 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	1.97 ug/L	54525	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0 49
2		2-Ethyl-2-methyl-1,3-dithiolane	148 C6H12S2	006008-81-7 46
3		Propiophenone, 2'-methyl-	148 C10H12O	002040-14-4 46
4		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 46
5		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

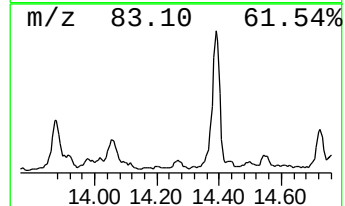
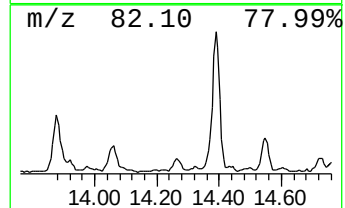
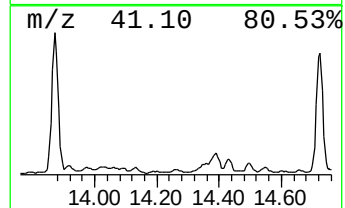
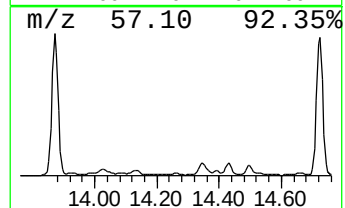
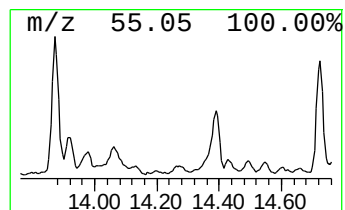
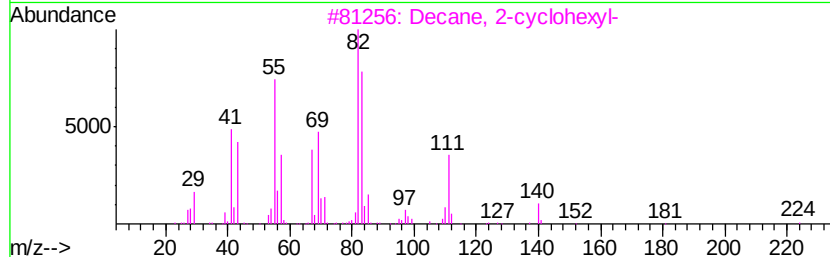
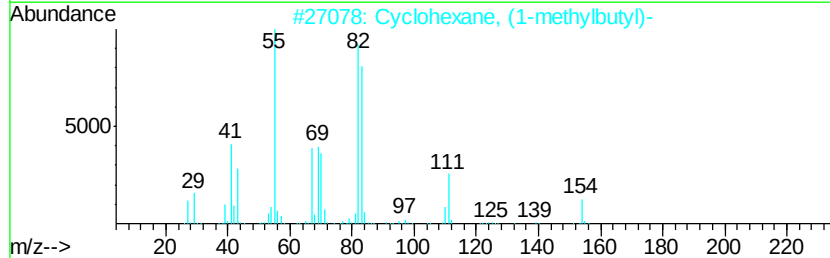
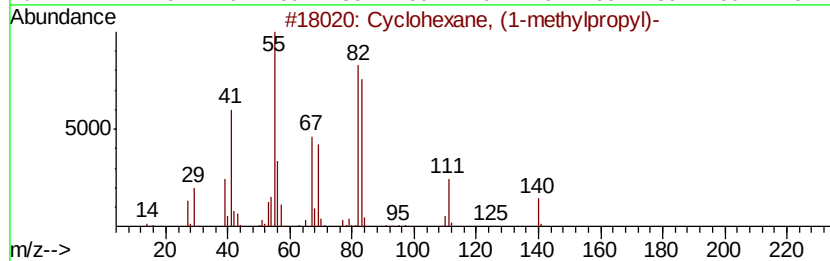
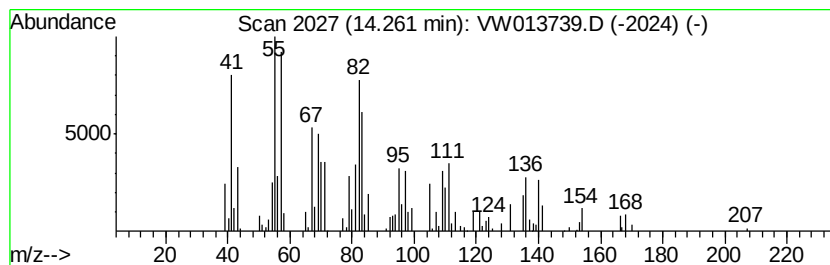
Instrument :
MSVOA_W
ClientSampled :
BEK27

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis

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

Peak Number 53 (DEL) Alkane: Cyclic14.26 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	3.76 ug/L	103816	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (1-methylpropyl)-	140 C10H20	007058-01-7 49
2		Cyclohexane, (1-methylbutyl)-	154 C11H22	061208-94-4 43
3		Decane, 2-cyclohexyl-	224 C16H32	013151-73-0 43
4		3-Octyne, 2-methyl-	124 C9H16	055402-15-8 35
5		3H-2-Benzopyran-3-one, octahydro-	154 C9H14O2	021962-62-9 30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

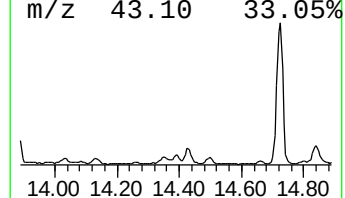
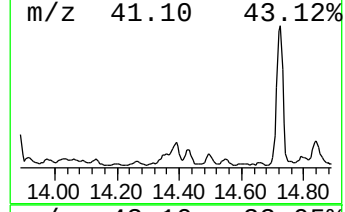
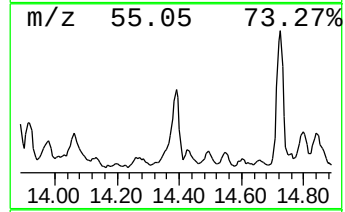
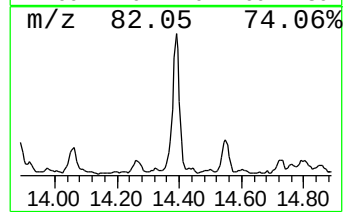
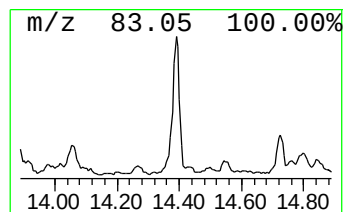
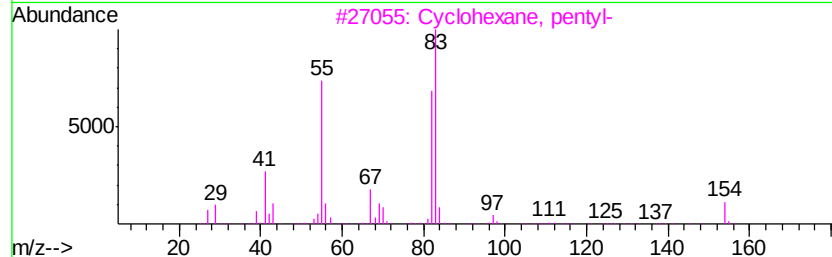
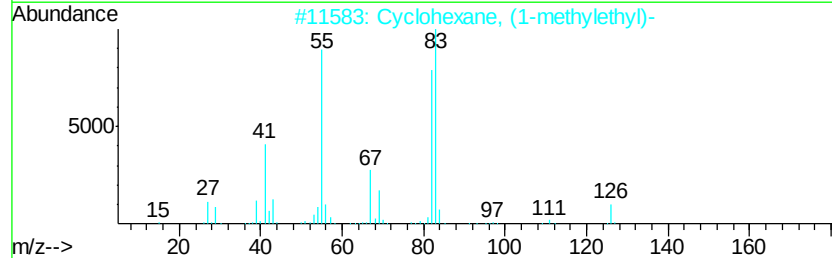
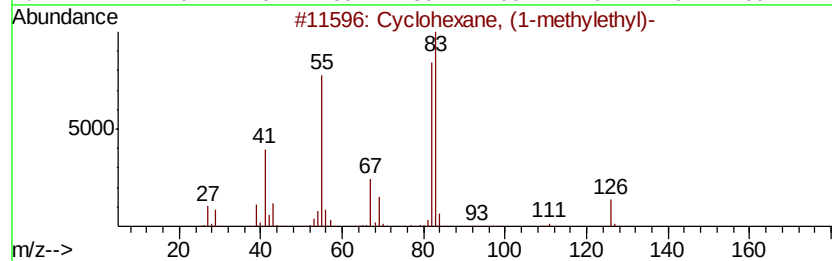
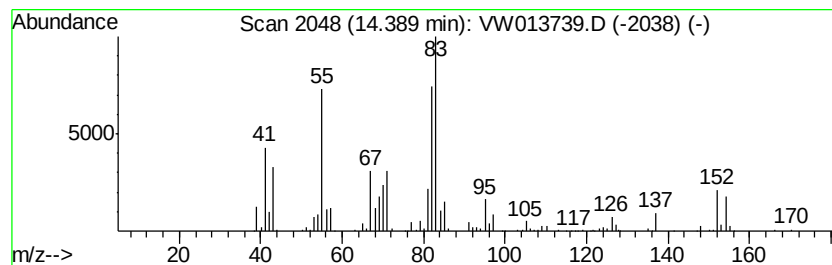
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Quant Title : VOC Analysis

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

Peak Number 54 (DEL) Alkane: Cyclic14.39 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	24.27 ug/L	670874	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	60
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	60
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5		Cyclohexane, eicosyl-	364	C26H52	004443-55-4	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

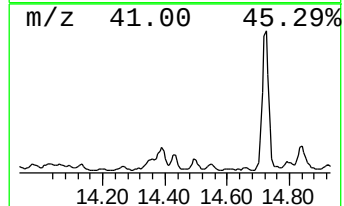
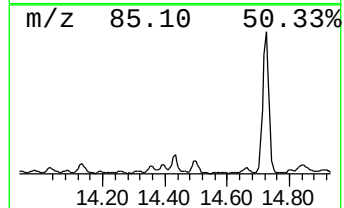
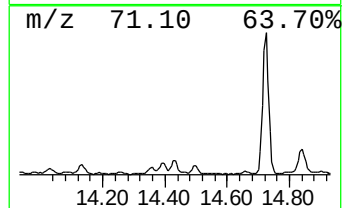
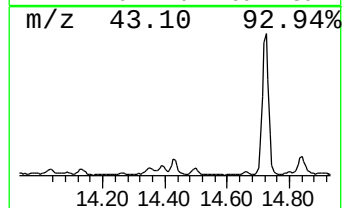
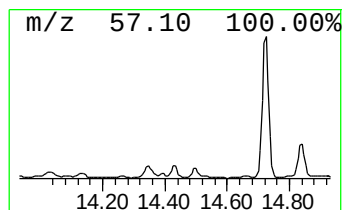
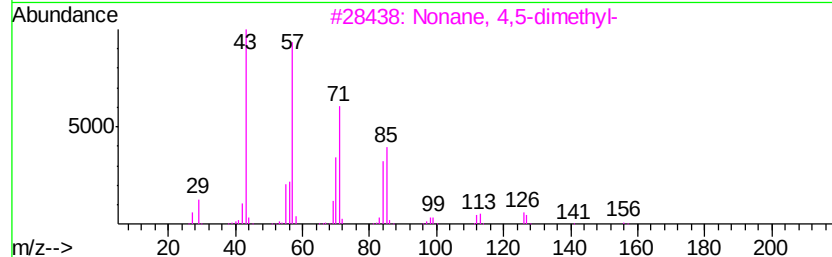
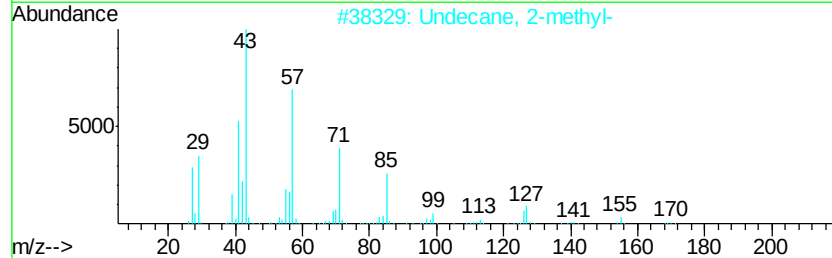
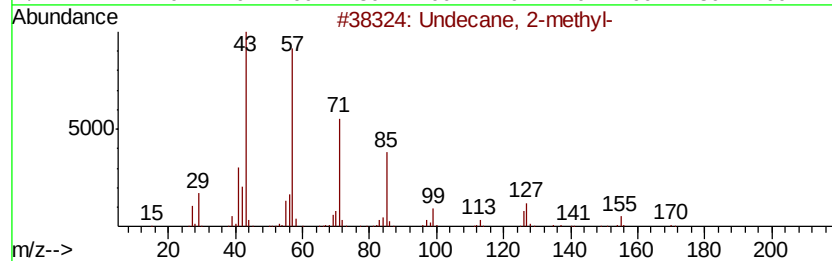
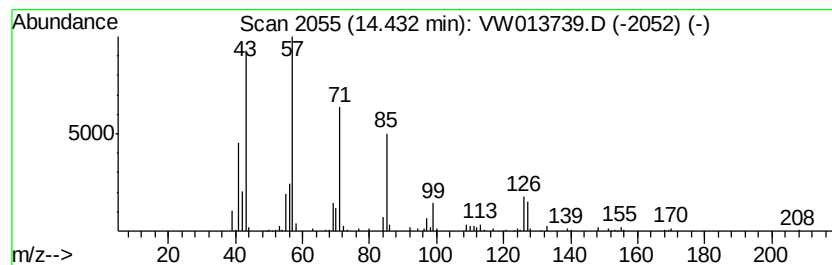
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	7.98 ug/L	220555	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2-methyl-	170	C12H26	007045-71-8	90
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	80
3		Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	80
4		2-Bromotetradecane	276	C14H29Br	074036-95-6	64
5		2-Bromo dodecane	248	C12H25Br	013187-99-0	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

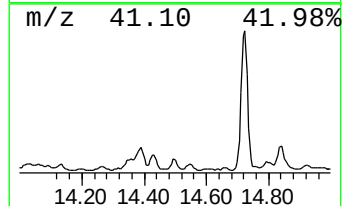
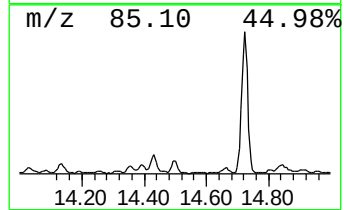
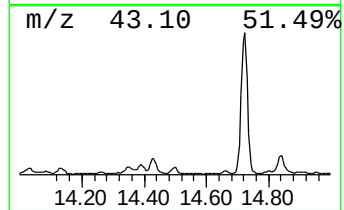
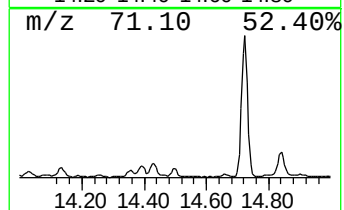
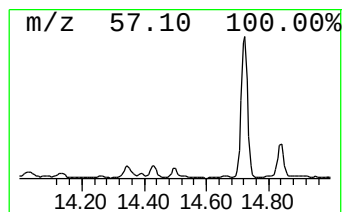
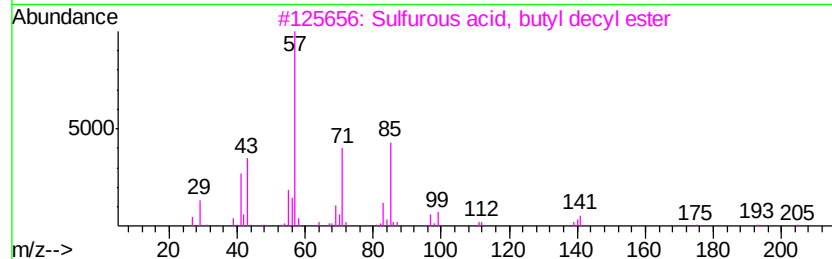
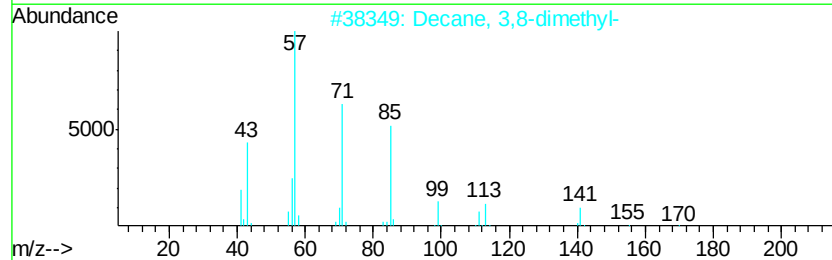
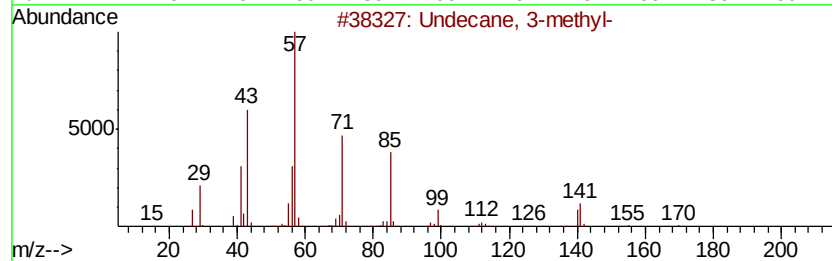
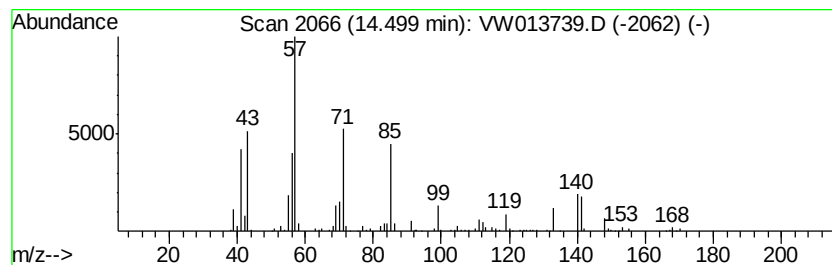
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Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	5.02 ug/L	138689	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 3-methyl-	170	C12H26	001002-43-3	90
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	59
3		Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	53
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
5		Tridecane, 2-methyl-	198	C14H30	001560-96-9	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

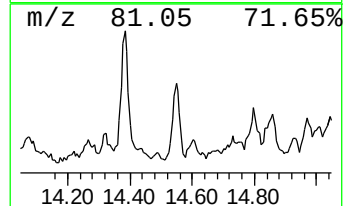
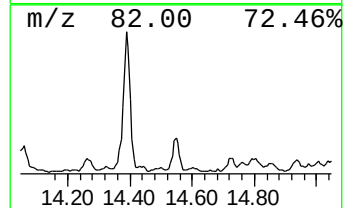
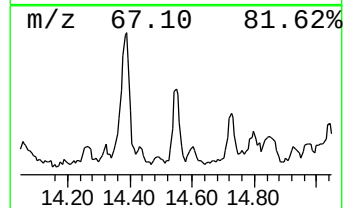
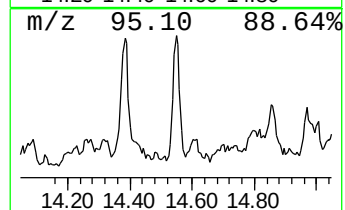
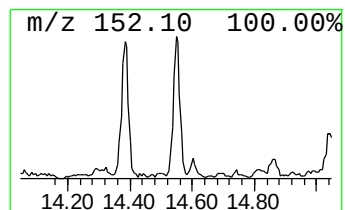
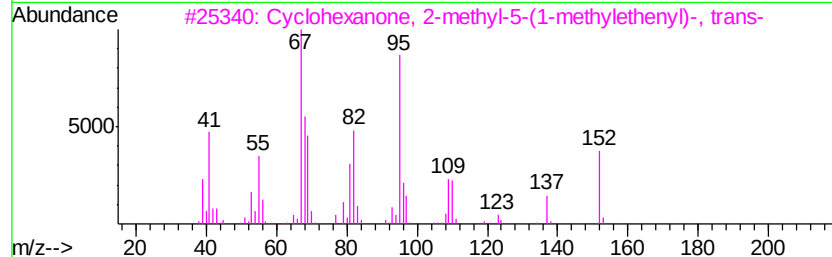
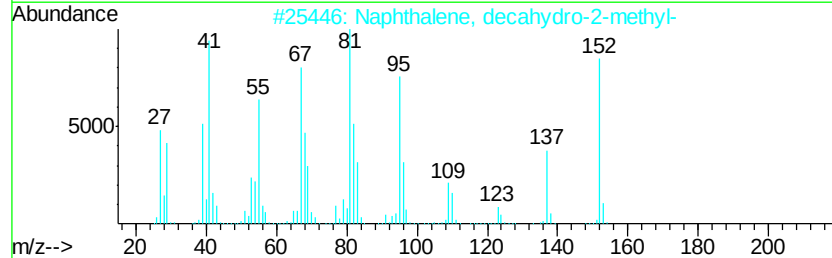
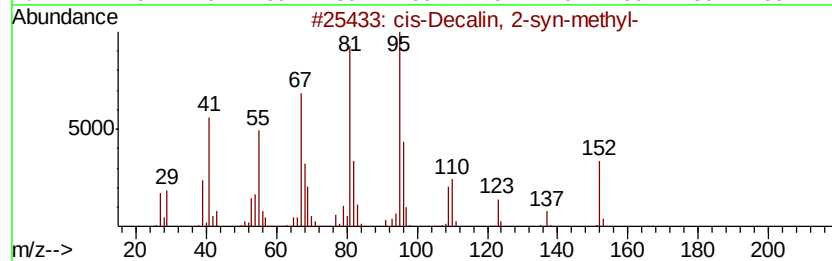
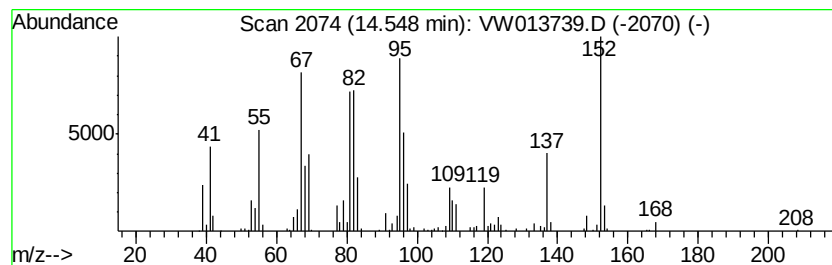
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Quant Title : VOC Analysis

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

Peak Number 57 cis-Decalin, 2-syn-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	5.13 ug/L	141719	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	74
2			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
3			Cyclohexanone, 2-methyl-5-(1-methyl-2-propenyl)-	152	C10H16O	005948-04-9	68
4			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	60
5			Pulegone	152	C10H16O	000089-82-7	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

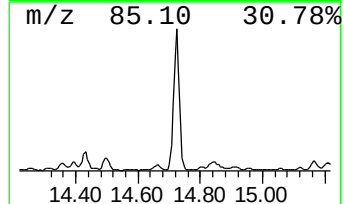
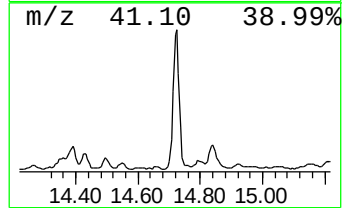
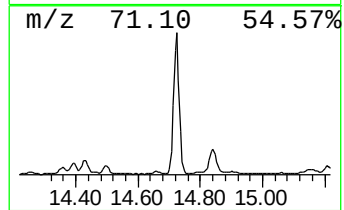
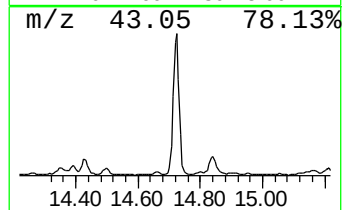
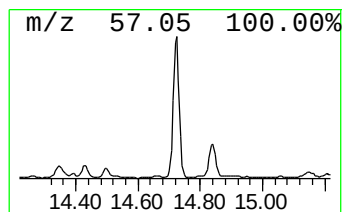
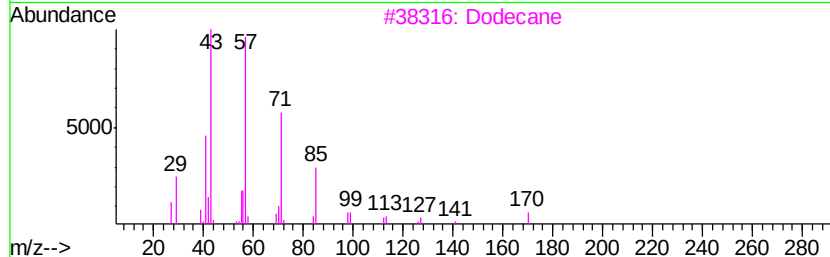
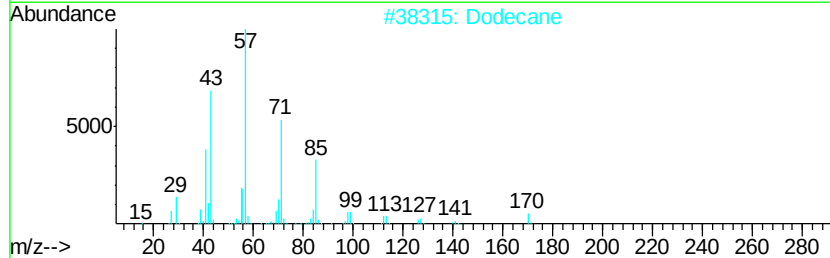
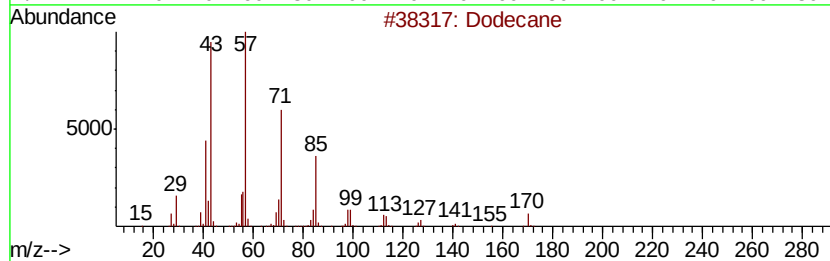
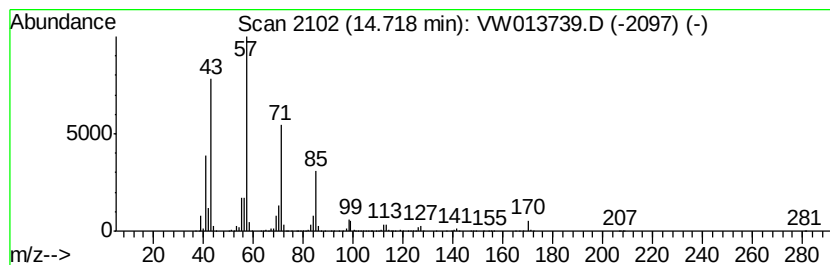
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	65.23 ug/L	1802960	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	96
2		Dodecane	170	C12H26	000112-40-3	96
3		Dodecane	170	C12H26	000112-40-3	95
4		Dodecane	170	C12H26	000112-40-3	94
5		Tetradecane	198	C14H30	000629-59-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

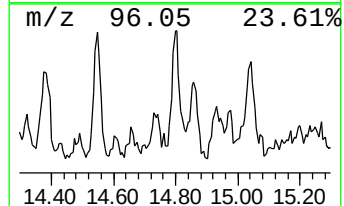
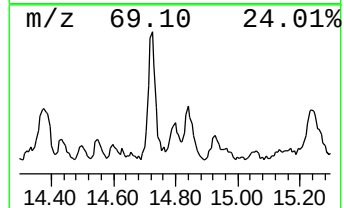
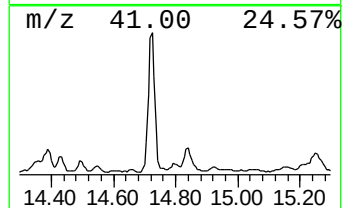
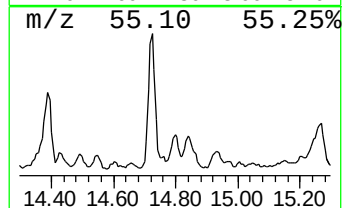
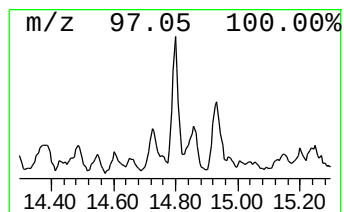
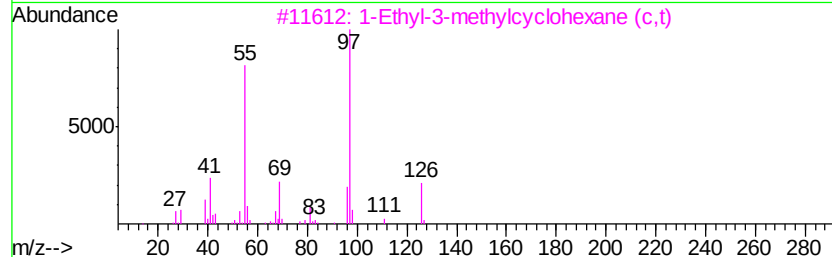
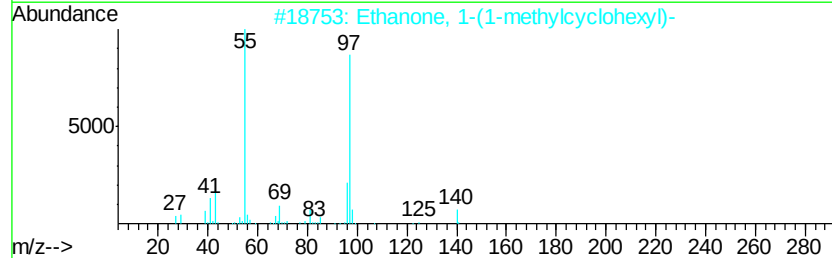
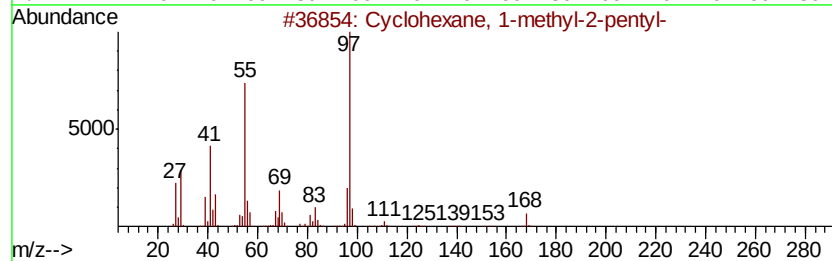
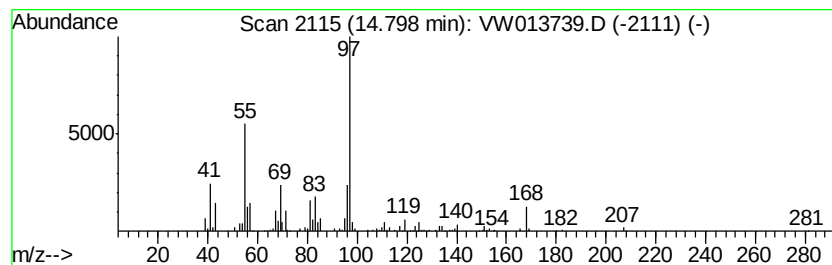
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Quant Title : VOC Analysis

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

Peak Number 59 (DEL) Alkane: Cyclic14.80 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.02 ug/L	166446	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	64
2			Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	64
3			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53
4			Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	53
5			3-Cyclohexen-1-ol, 3-methyl-	112	C7H12O	053783-91-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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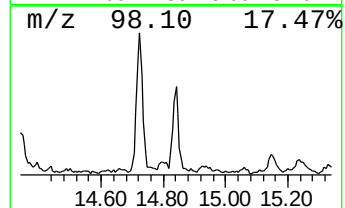
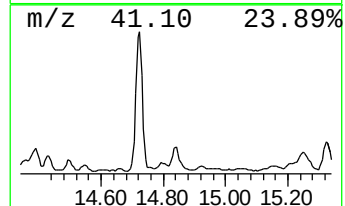
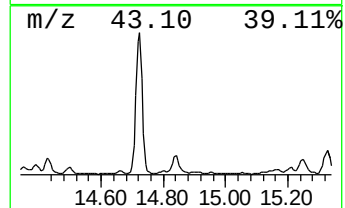
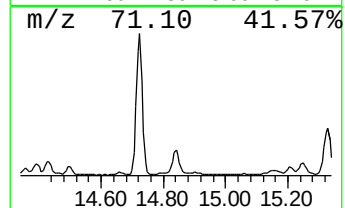
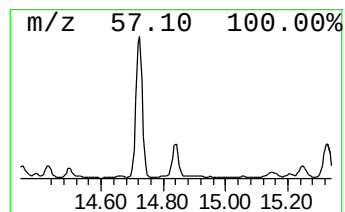
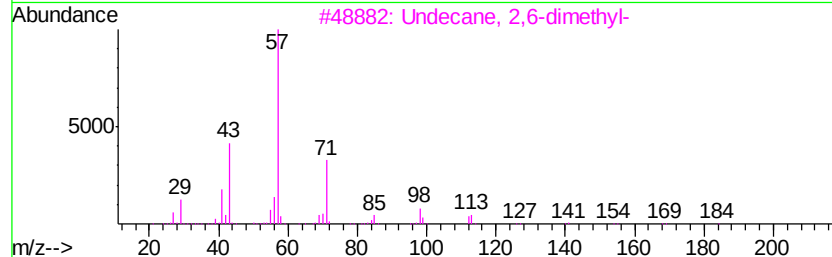
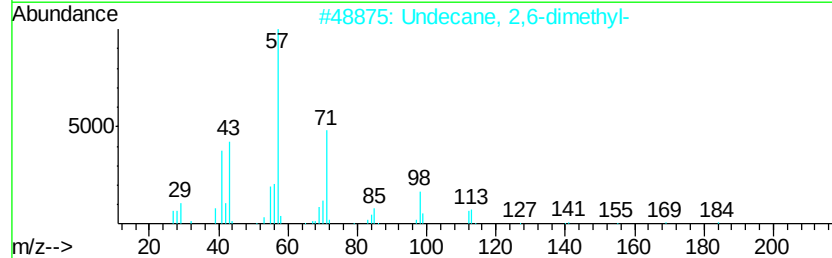
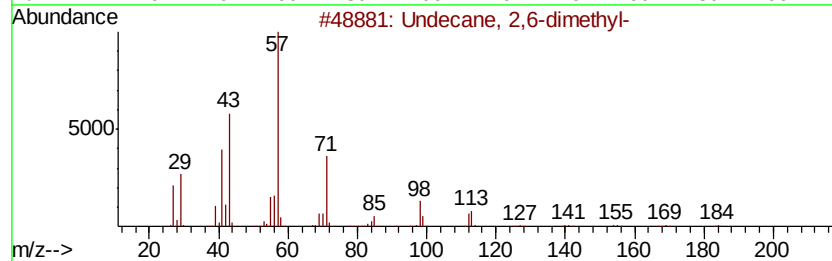
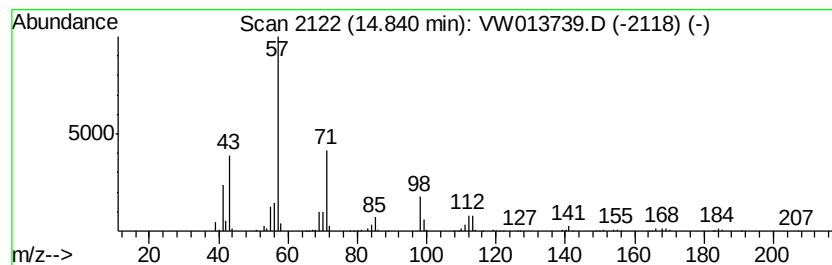
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Quant Title : VOC Analysis

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

Peak Number 60 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	15.05 ug/L	416002	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	94
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	91
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	87
5		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

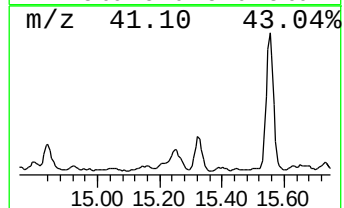
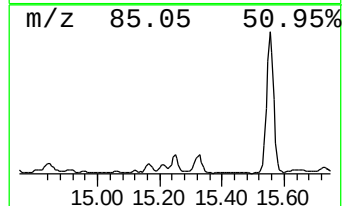
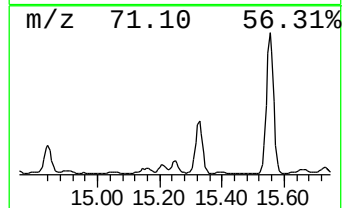
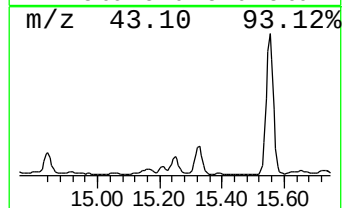
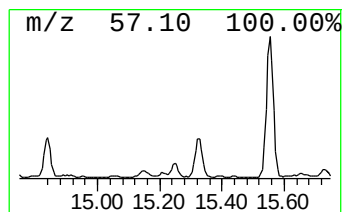
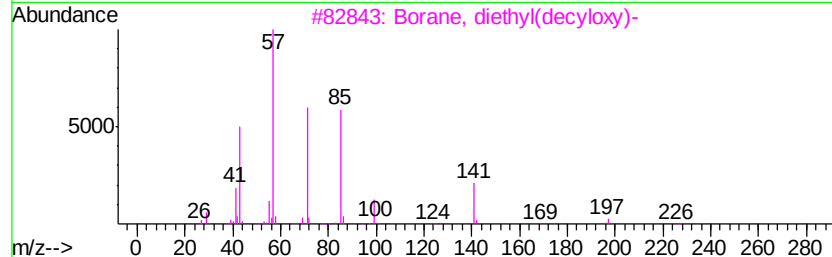
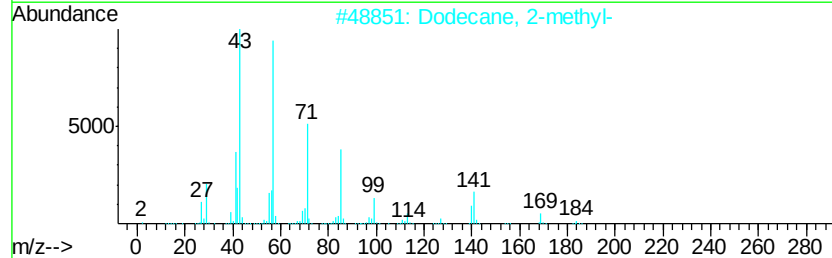
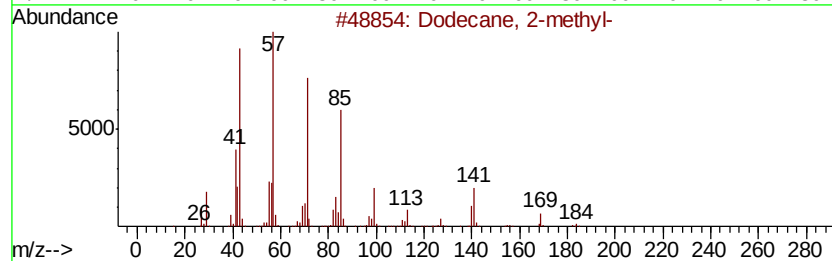
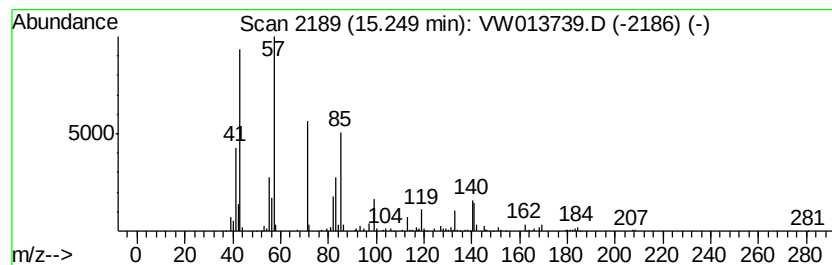
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Quant Title : VOC Analysis

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

Peak Number 61 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	13.13 ug/L	362860	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-	184	C13H28	001560-97-0	90
2		Dodecane, 2-methyl-	184	C13H28	001560-97-0	58
3		Borane, diethyl(decvloxy)-	226	C14H31BO	1000152-34-3	53
4		Decane, 3-bromo-	220	C10H21Br	030571-71-2	52
5		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

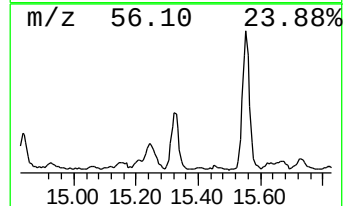
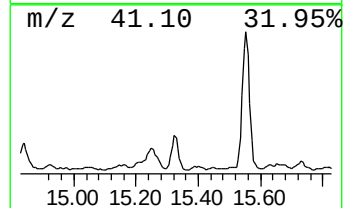
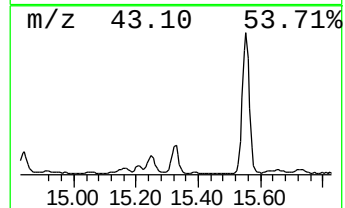
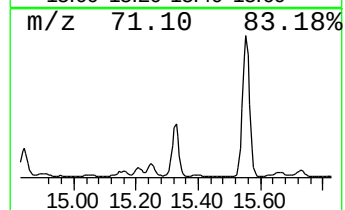
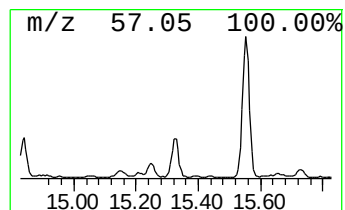
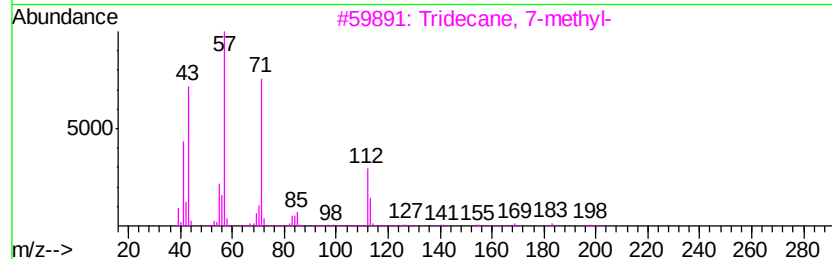
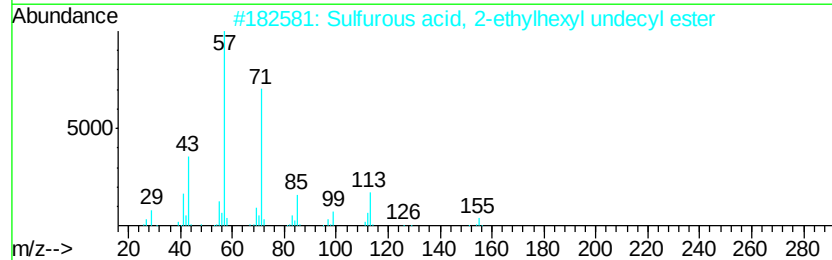
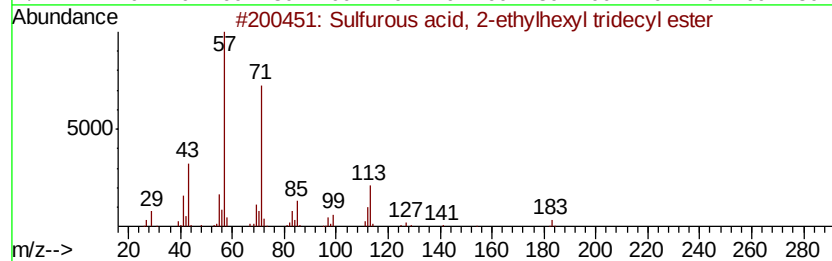
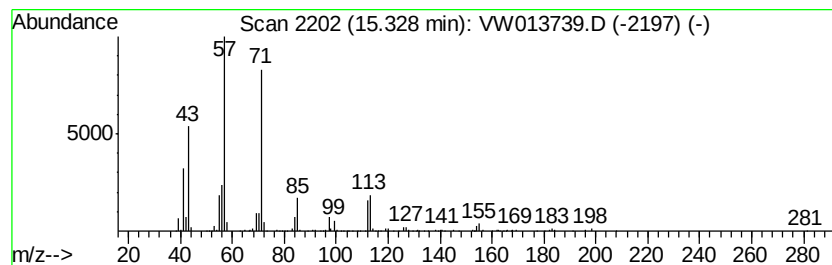
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Quant Title : VOC Analysis

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

Peak Number 62 Sulfurous acid, 2-ethylhexy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	16.88 ug/L	466420	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	80
2		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
3		Tridecane, 7-methyl-	198	C14H30	026730-14-3	68
4		Decane, 5-propyl-	184	C13H28	017312-62-8	64
5		Octane, 3-ethyl-	142	C10H22	005881-17-4	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

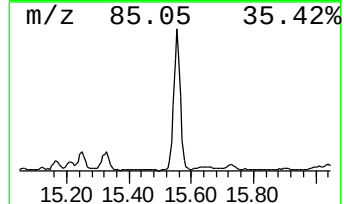
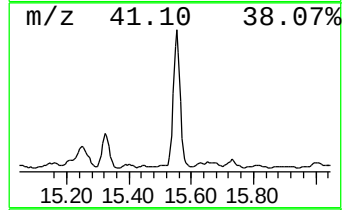
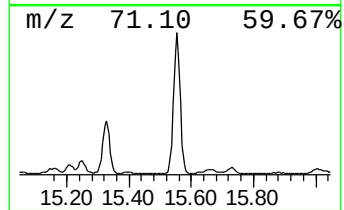
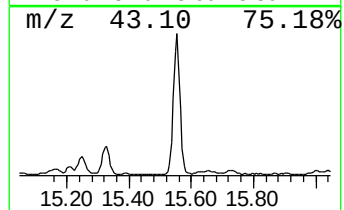
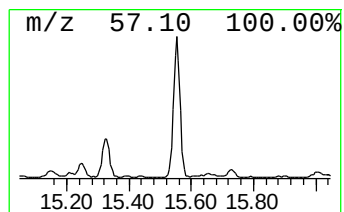
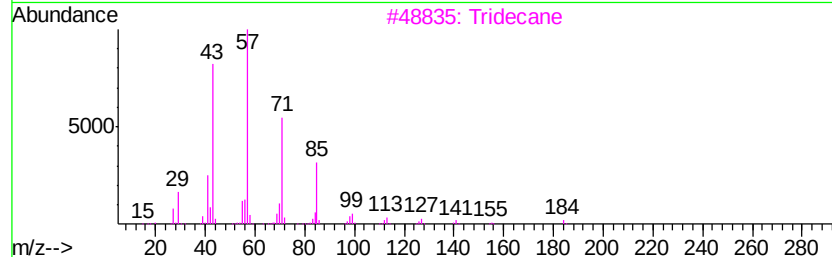
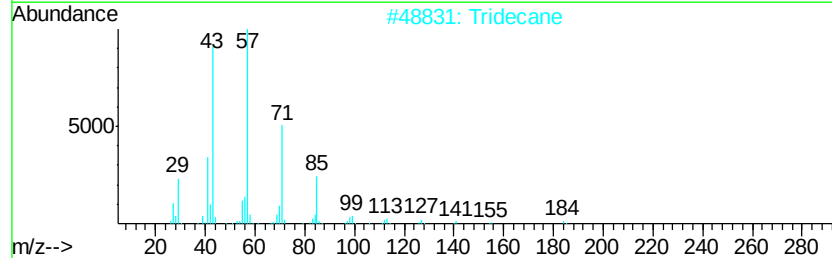
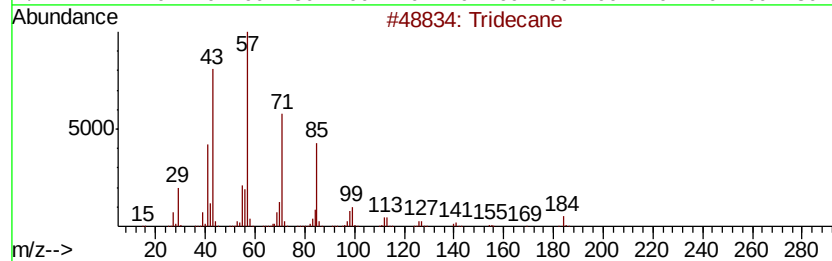
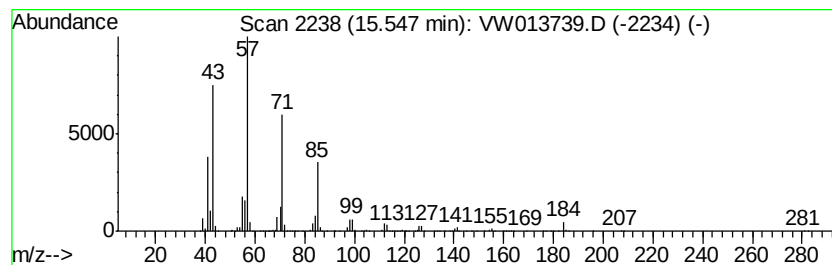
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Quant Title : VOC Analysis

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	61.44 ug/L	1698190	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	98
2		Tridecane	184	C13H28	000629-50-5	93
3		Tridecane	184	C13H28	000629-50-5	91
4		Dodecane	170	C12H26	000112-40-3	90
5		Hexadecane	226	C16H34	000544-76-3	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

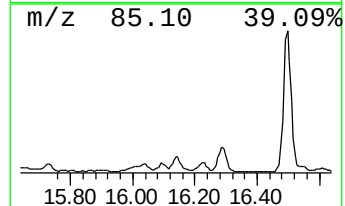
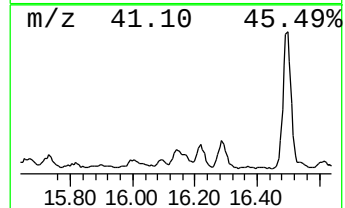
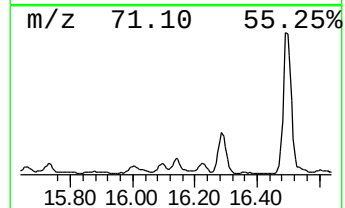
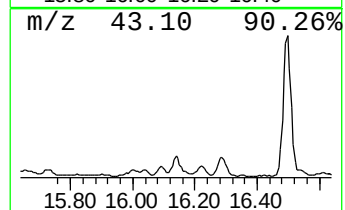
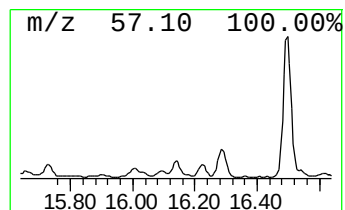
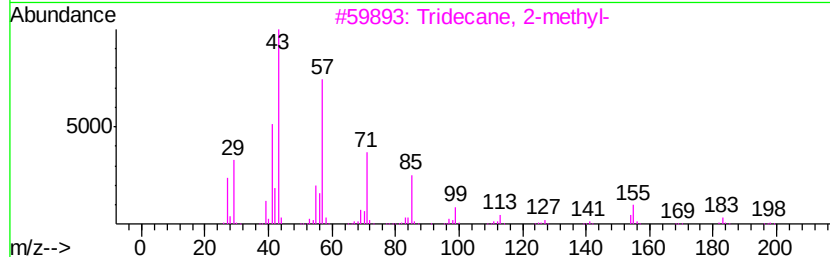
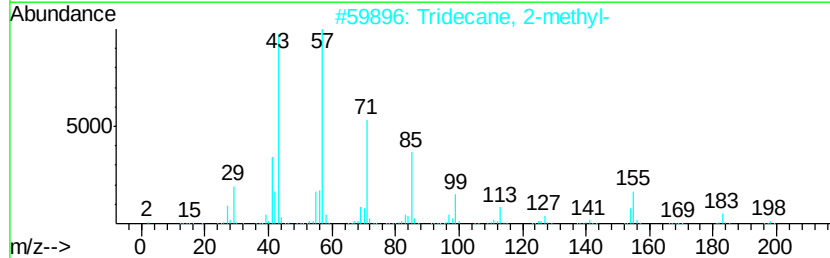
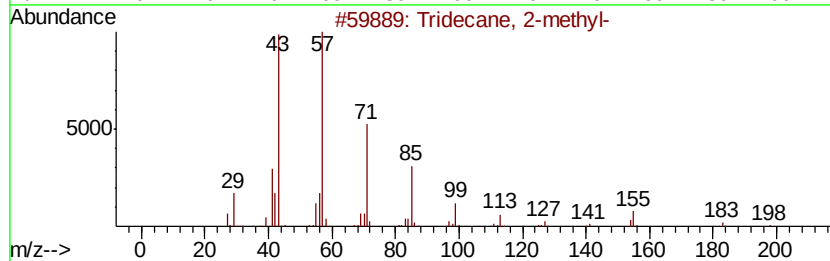
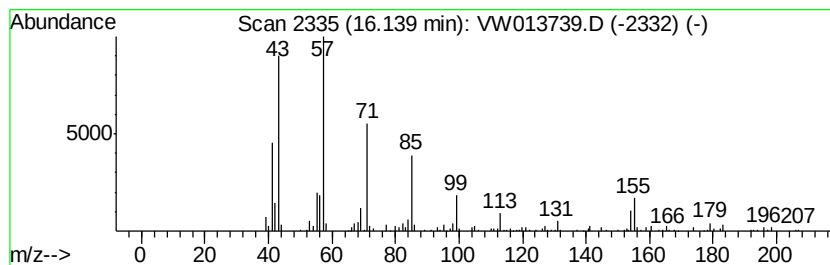
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Quant Title : VOC Analysis

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

Peak Number 64 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.19 ug/L	115780	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 2-methyl-	198	C14H30	001560-96-9	94
2			Tridecane, 2-methyl-	198	C14H30	001560-96-9	94
3			Tridecane, 2-methyl-	198	C14H30	001560-96-9	91
4			Tetradecane, 6,9-dimethyl-	226	C16H34	055045-13-1	78
5			Pentadecane	212	C15H32	000629-62-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

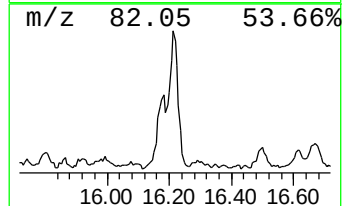
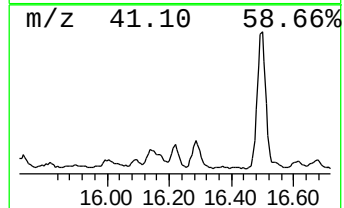
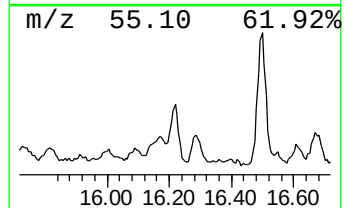
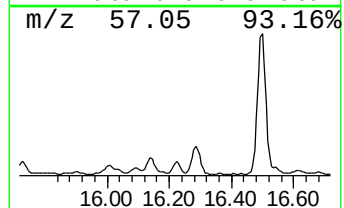
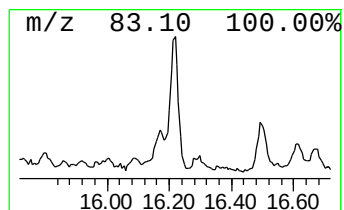
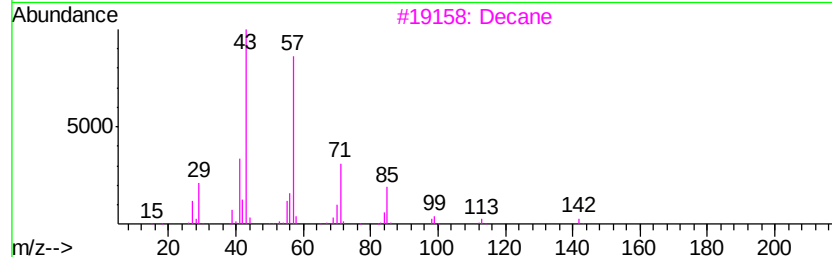
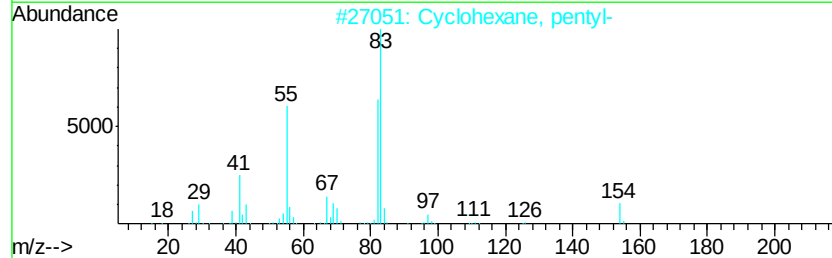
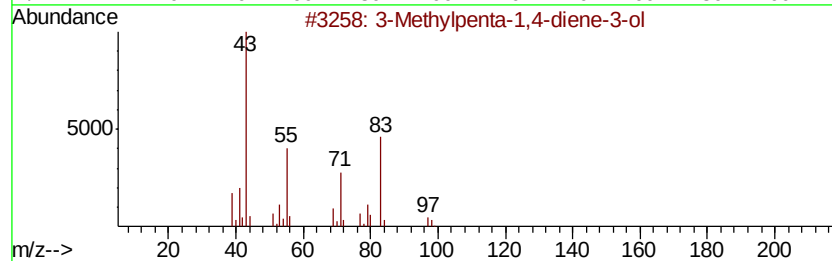
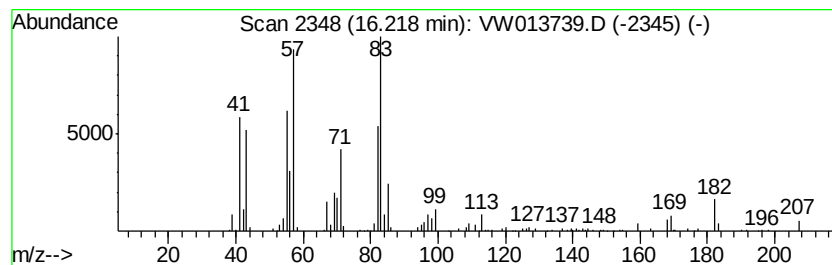
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Quant Title : VOC Analysis

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

Peak Number 65 unknown-03 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	6.89 ug/L	190401	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Methylpenta-1,4-diene-3-ol	98	C6H10O	000918-86-5	43
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	43
3		Decane	142	C10H22	000124-18-5	38
4		3-Undecene, 3-methyl-	168	C12H24	023381-94-4	35
5		2-Undecene, 2,5-dimethyl-	182	C13H26	049622-16-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BEK27

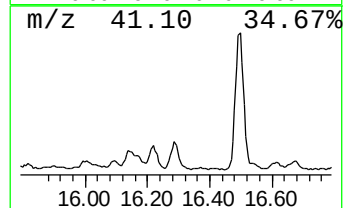
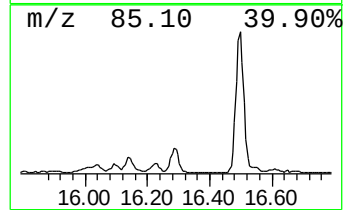
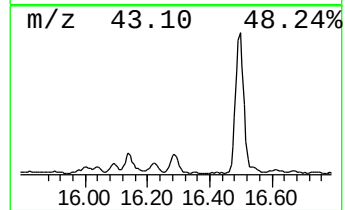
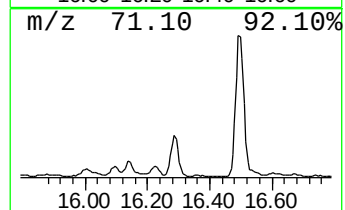
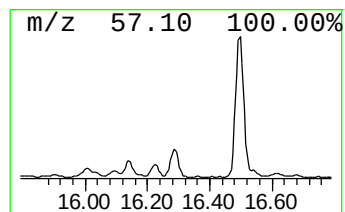
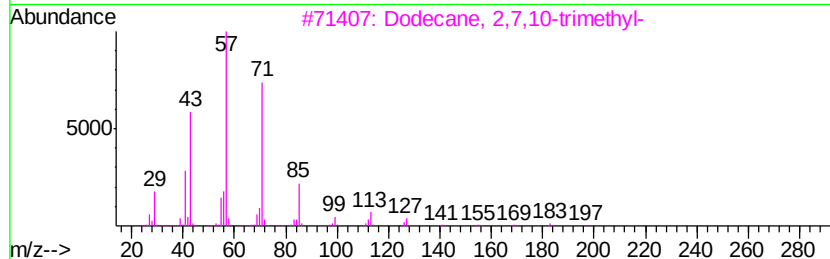
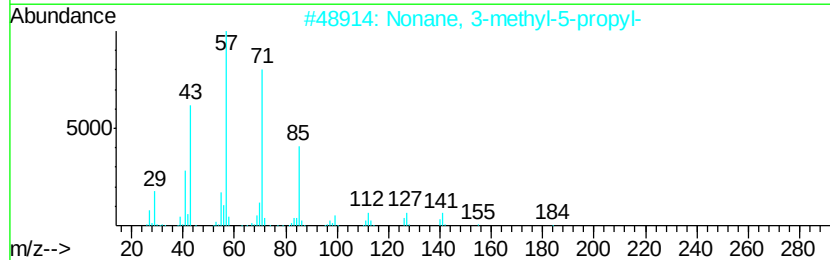
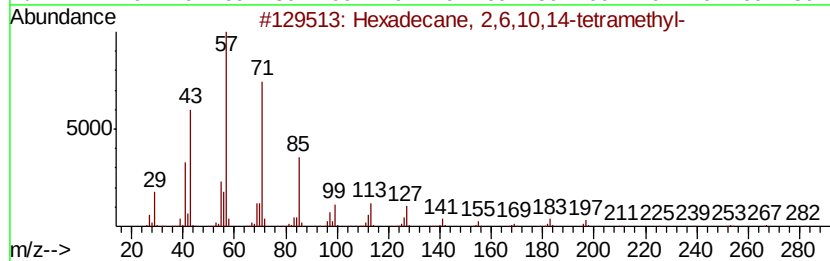
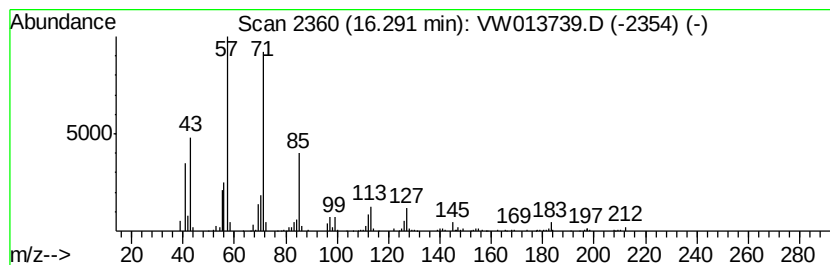
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Quant Title : VOC Analysis

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	10.97 ug/L	303283	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	80
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	76
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102519\
Data File : VW013739.D
Acq On : 25 Oct 2019 11:19
Operator : SY/VA
Sample : K5535-05
Misc : 6.33G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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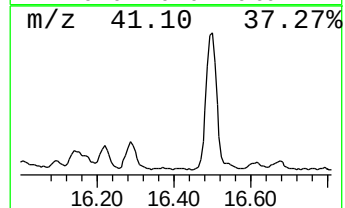
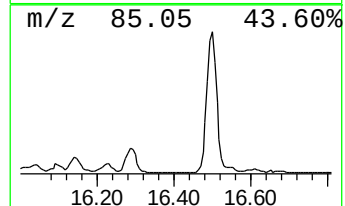
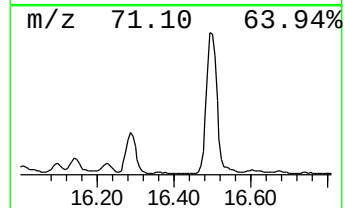
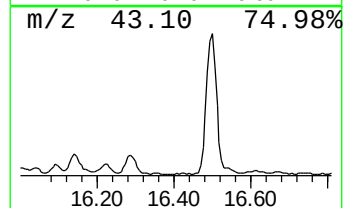
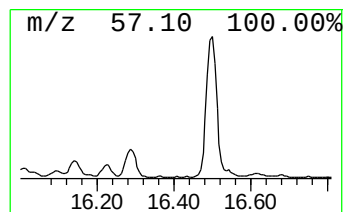
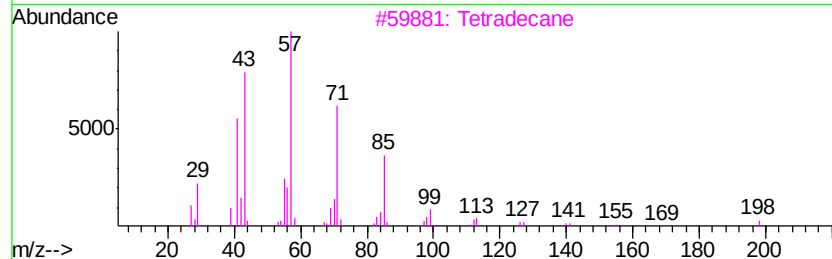
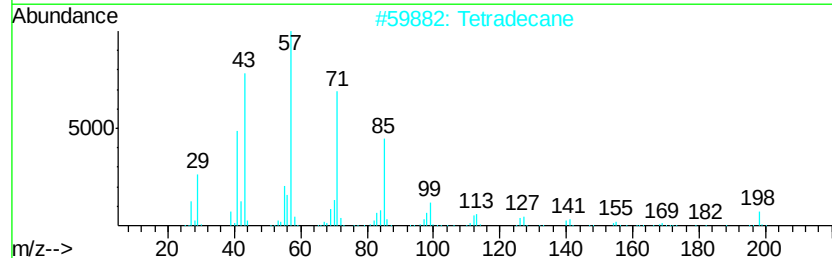
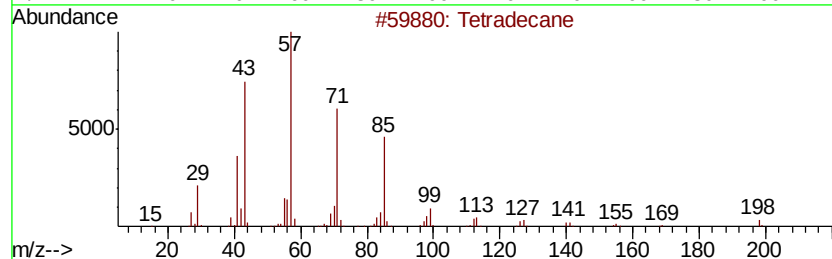
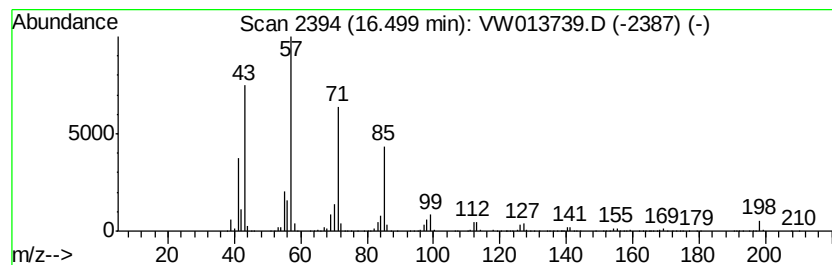
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Quant Title : VOC Analysis

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

Peak Number 67 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	48.04 ug/L	1327710	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	98
2		Tetradecane	198	C14H30	000629-59-4	97
3		Tetradecane	198	C14H30	000629-59-4	95
4		Tetradecane	198	C14H30	000629-59-4	95
5		Tridecane	184	C13H28	000629-50-5	90



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102519\
 Data File : VW013739.D
 Acq On : 25 Oct 2019 11:19
 Operator : SY/VA
 Sample : K5535-05
 Misc : 6.33G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BEK27

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
 Quant Title : VOC Analysis

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

					--Internal Standard--				
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc	
(DEL) Alkane: Str...	6.88	1.9	ug/L	59463	1	8.84	801800	25.0	
(DEL) Alkane: Str...	8.03	4.0	ug/L	127327	1	8.84	801800	25.0	
(DEL) Alkane: Str...	8.15	2.8	ug/L	91050	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	8.43	2.8	ug/L	91131	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	8.51	1.4	ug/L	44953	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	8.57	3.7	ug/L	118259	1	8.84	801800	25.0	
(DEL) Alkane: Str...	8.70	3.3	ug/L	104765	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	9.61	8.3	ug/L	265771	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	9.75	4.7	ug/L	151439	1	8.84	801800	25.0	
(DEL) Alkane: Str...	9.90	3.5	ug/L	113573	1	8.84	801800	25.0	
(DEL) Alkane: Str...	9.96	14.8	ug/L	472929	1	8.84	801800	25.0	
(DEL) Alkane: Str...	10.09	12.3	ug/L	394785	1	8.84	801800	25.0	
(DEL) Alkane: Cyc...	10.21	1.6	ug/L	52292	1	8.84	801800	25.0	
(DEL) Alkane: Str...	10.51	15.1	ug/L	486008	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	10.66	9.6	ug/L	309638	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	10.76	6.3	ug/L	200963	2	11.63	802650	25.0	
(DEL) Alkane: Str...	10.85	2.6	ug/L	85195	2	11.63	802650	25.0	
(DEL) Alkane: Str...	11.04	6.0	ug/L	192482	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	11.11	2.1	ug/L	69036	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	11.18	11.4	ug/L	367074	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	11.23	12.6	ug/L	404140	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	11.29	2.2	ug/L	71391	2	11.63	802650	25.0	
(DEL) Alkane: Str...	11.34	6.1	ug/L	194444	2	11.63	802650	25.0	
(DEL) Alkane: Str...	11.41	20.8	ug/L	668649	2	11.63	802650	25.0	
(DEL) Alkane: Str...	11.51	10.8	ug/L	346485	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	11.77	1.7	ug/L	54160	2	11.63	802650	25.0	
(DEL) Alkane: Str...	11.84	20.2	ug/L	649984	2	11.63	802650	25.0	
(DEL) Alkane: Str...	12.05	4.7	ug/L	149659	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	12.13	13.8	ug/L	444213	2	11.63	802650	25.0	
(DEL) Alkane: Str...	12.25	10.6	ug/L	341543	2	11.63	802650	25.0	
(DEL) Alkane: Cyc...	12.30	4.3	ug/L	138739	2	11.63	802650	25.0	
(DEL) Alkane: Str...	12.37	18.0	ug/L	577467	2	11.63	802650	25.0	
(DEL) Alkane: Str...	12.51	7.7	ug/L	247314	2	11.63	802650	25.0	
unknown-01	12.62	2.0	ug/L	54754	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	12.78	8.0	ug/L	219818	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	12.86	4.5	ug/L	123185	3	13.56	690968	25.0	
(DEL) Alkane: Str...	12.93	55.5	ug/L	1534700	3	13.56	690968	25.0	
Oxalic acid, cycl...	12.99	5.7	ug/L	158041	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	13.08	2.6	ug/L	72689	3	13.56	690968	25.0	
Sulfurous acid, c...	13.13	3.2	ug/L	87334	3	13.56	690968	25.0	
(DEL) Alkane: Str...	13.16	12.8	ug/L	353472	3	13.56	690968	25.0	
(DEL) Alkane: Str...	13.29	1.8	ug/L	50942	3	13.56	690968	25.0	
(DEL) Alkane: Str...	13.34	1.7	ug/L	46068	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	13.45	14.6	ug/L	404504	3	13.56	690968	25.0	
(DEL) Alkane: Str...	13.62	5.1	ug/L	141547	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	13.69	1.4	ug/L	38065	3	13.56	690968	25.0	
(DEL) Alkane: Cyc...	13.98	2.6	ug/L	71772	3	13.56	690968	25.0	
(DEL) Alkane: Str...	14.13	3.5	ug/L	97040	3	13.56	690968	25.0	
unknown-02	14.20	2.0	ug/L	54525	3	13.56	690968	25.0	

(DEL) Alkane: Cyc...	14.26	3.8 ug/L	103816	3	13.56	690968	25.0
(DEL) Alkane: Cyc...	14.39	24.3 ug/L	670874	3	13.56	690968	25.0
(DEL) Alkane: Str...	14.43	8.0 ug/L	220555	3	13.56	690968	25.0
(DEL) Alkane: Str...	14.50	5.0 ug/L	138689	3	13.56	690968	25.0
cis-Decalin, 2-sy...	14.55	5.1 ug/L	141719	3	13.56	690968	25.0
(DEL) Alkane: Str...	14.72	65.2 ug/L	1802960	3	13.56	690968	25.0
(DEL) Alkane: Cyc...	14.80	6.0 ug/L	166446	3	13.56	690968	25.0
(DEL) Alkane: Str...	14.84	15.1 ug/L	416002	3	13.56	690968	25.0
(DEL) Alkane: Str...	15.25	13.1 ug/L	362860	3	13.56	690968	25.0
Sulfurous acid, 2...	15.33	16.9 ug/L	466420	3	13.56	690968	25.0
(DEL) Alkane: Str...	15.55	61.4 ug/L	1698190	3	13.56	690968	25.0
(DEL) Alkane: Str...	16.14	4.2 ug/L	115780	3	13.56	690968	25.0
unknown-03	16.22	6.9 ug/L	190401	3	13.56	690968	25.0
(DEL) Alkane: Str...	16.29	11.0 ug/L	303283	3	13.56	690968	25.0
(DEL) Alkane: Str...	16.50	48.0 ug/L	1327710	3	13.56	690968	25.0

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