

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
 Data File : VW011896.D
 Acq On : 13 Aug 2019 15:42
 Operator : SY/VA
 Sample : K4215-09
 Misc : 5.51G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC0

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\SOM2WLM073019S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	4	10	23	rVB4	26622	75857	6.42%	0.567%
2	2.160	36	42	50	rBV2	12378	28332	2.40%	0.212%
3	2.349	63	73	84	rBV2	91783	176681	14.95%	1.320%
4	2.489	92	96	104	rVV	19044	36989	3.13%	0.276%
5	2.885	152	161	175	rVB	50823	131578	11.14%	0.983%
6	3.025	178	184	193	rVB5	5541	13929	1.18%	0.104%
7	3.385	236	243	258	rVB4	7682	24720	2.09%	0.185%
8	3.861	311	321	332	rVB3	5331	17061	1.44%	0.128%
9	4.019	336	347	357	rBV	122622	395958	33.51%	2.959%
10	4.117	357	363	377	rVB	36017	103478	8.76%	0.773%
11	4.379	396	406	417	rBV	24942	74265	6.29%	0.555%
12	4.915	481	494	511	rBV4	12714	63062	5.34%	0.471%
13	5.427	571	578	592	rVB4	5515	18801	1.59%	0.141%
14	5.793	624	638	646	rBV3	10090	37675	3.19%	0.282%
15	5.940	652	662	671	rVB4	7728	23221	1.97%	0.174%
16	6.897	803	819	827	rBV2	8884	28253	2.39%	0.211%
17	7.080	840	849	854	rBV	43410	124629	10.55%	0.931%
18	7.141	854	859	876	rVB2	34288	132354	11.20%	0.989%
19	7.525	914	922	931	rVB2	3574	10846	0.92%	0.081%
20	7.647	931	942	961	rBV	193215	491809	41.62%	3.676%
21	7.854	969	976	982	rBV5	5000	12220	1.03%	0.091%
22	7.945	982	991	998	rBV6	9833	28071	2.38%	0.210%
23	8.031	1000	1005	1012	rVB5	7187	18752	1.59%	0.140%
24	8.153	1020	1025	1032	rBV3	5479	12408	1.05%	0.093%
25	8.274	1032	1045	1062	rVV2	395603	1181575	100.00%	8.831%
26	8.421	1062	1069	1077	rVV5	6233	21271	1.80%	0.159%
27	8.512	1077	1084	1089	rVV8	4505	14189	1.20%	0.106%
28	8.567	1089	1093	1105	rVV8	7522	21319	1.80%	0.159%
29	8.695	1109	1114	1122	rVB7	4347	11158	0.94%	0.083%
30	8.841	1129	1138	1150	rBV	501677	997539	84.42%	7.455%
31	9.274	1198	1209	1217	rBV	280578	582966	49.34%	4.357%
32	9.335	1217	1219	1224	rVV4	11594	17036	1.44%	0.127%
33	9.408	1225	1231	1238	rVB2	10628	23857	2.02%	0.178%
34	9.695	1269	1278	1281	rVV8	5762	15428	1.31%	0.115%

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35	9.750	1282	1287	1293	rVV3	10729	21408	1.81%	0.160%
36	9.853	1301	1304	1308	rVV4	4741	9160	0.78%	0.068%
37	9.951	1316	1320	1324	rVV6	4952	9999	0.85%	0.075%
38	10.036	1324	1334	1347	rVV	122170	241849	20.47%	1.807%
39	10.323	1373	1381	1389	rBV	495427	872909	73.88%	6.524%
40	10.390	1389	1392	1397	rVB	9853	17203	1.46%	0.129%
41	10.506	1404	1411	1417	rVB5	9925	22837	1.93%	0.171%
42	10.579	1417	1423	1433	rBV	74763	136662	11.57%	1.021%
43	10.701	1439	1443	1448	rVV2	11542	22237	1.88%	0.166%
44	10.744	1448	1450	1458	rVB6	5835	12727	1.08%	0.095%
45	10.853	1462	1468	1473	rVB7	5429	12748	1.08%	0.095%
46	10.926	1473	1480	1489	rBV	145632	261849	22.16%	1.957%
47	11.067	1497	1503	1510	rBV2	40208	71665	6.07%	0.536%
48	11.176	1518	1521	1525	rVV4	7201	10433	0.88%	0.078%
49	11.231	1525	1530	1535	rVB2	8248	12348	1.05%	0.092%
50	11.432	1561	1563	1571	rVB7	7267	14559	1.23%	0.109%
51	11.512	1571	1576	1580	rBV4	6474	14301	1.21%	0.107%
52	11.634	1588	1596	1605	rBV	553068	954028	80.74%	7.130%
53	11.731	1607	1612	1615	rBV2	10708	17522	1.48%	0.131%
54	11.841	1622	1630	1633	rBV3	11595	26098	2.21%	0.195%
55	12.030	1656	1661	1672	rBV9	3545	10289	0.87%	0.077%
56	12.140	1672	1679	1682	rBV5	14176	32149	2.72%	0.240%
57	12.249	1691	1697	1701	rVB5	10973	22050	1.87%	0.165%
58	12.341	1707	1712	1722	rVV5	32595	91614	7.75%	0.685%
59	12.469	1728	1733	1738	rBV5	15232	28829	2.44%	0.215%
60	12.615	1752	1757	1760	rBV2	13711	24143	2.04%	0.180%
61	12.694	1764	1770	1779	rVV	183659	314044	26.58%	2.347%
62	12.780	1779	1784	1791	rVB3	30117	60056	5.08%	0.449%
63	12.871	1791	1799	1803	rBV6	19008	49088	4.15%	0.367%
64	12.938	1803	1810	1816	rVV3	34839	81727	6.92%	0.611%
65	13.078	1830	1833	1836	rBV4	12397	19743	1.67%	0.148%
66	13.164	1843	1847	1853	rBV2	45383	75707	6.41%	0.566%
67	13.255	1858	1862	1865	rBV	17060	26209	2.22%	0.196%
68	13.292	1866	1868	1873	rVB4	11617	15948	1.35%	0.119%
69	13.347	1874	1877	1878	rBV2	9536	9744	0.82%	0.073%
70	13.383	1880	1883	1887	rVB3	15791	21348	1.81%	0.160%
71	13.444	1888	1893	1897	rBV5	30709	58522	4.95%	0.437%

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72	13.493	1897	1901	1906	rVV2	36781	68882	5.83%	0.515%
73	13.560	1906	1912	1920	rVB	324790	557935	47.22%	4.170%
74	13.621	1920	1922	1929	rVB4	17207	27519	2.33%	0.206%
75	13.700	1930	1935	1940	rBV5	14163	28303	2.40%	0.212%
76	13.749	1940	1943	1947	rVB5	9628	12836	1.09%	0.096%
77	13.792	1947	1950	1953	rBV2	7358	9269	0.78%	0.069%
78	13.853	1954	1960	1969	rBV2	242747	579702	49.06%	4.332%
79	13.920	1969	1971	1974	rVV3	8786	9029	0.76%	0.067%
80	14.036	1983	1990	1994	rBV4	28677	77808	6.59%	0.582%
81	14.097	1996	2000	2003	rVB2	33386	48919	4.14%	0.366%
82	14.133	2003	2006	2011	rVB	38848	54770	4.64%	0.409%
83	14.206	2012	2018	2022	rBV5	51240	98817	8.36%	0.739%
84	14.261	2022	2027	2033	rBV7	44423	89422	7.57%	0.668%
85	14.347	2033	2041	2044	rBV5	78144	183569	15.54%	1.372%
86	14.389	2044	2048	2051	rVV4	81560	104875	8.88%	0.784%
87	14.456	2057	2059	2063	rVB	73684	90148	7.63%	0.674%
88	14.499	2063	2066	2069	rBV2	58570	77204	6.53%	0.577%
89	14.548	2069	2074	2081	rVB6	68016	155972	13.20%	1.166%
90	14.737	2101	2105	2109	rBV3	49304	73225	6.20%	0.547%
91	14.798	2110	2115	2119	rVV4	130906	263050	22.26%	1.966%
92	14.840	2119	2122	2132	rVB	202907	349018	29.54%	2.608%
93	15.066	2153	2159	2167	rBV5	130372	340033	28.78%	2.541%
94	15.176	2171	2177	2186	rVB4	183559	459354	38.88%	3.433%
95	15.328	2197	2202	2210	rVB2	182591	317220	26.85%	2.371%
96	15.633	2248	2252	2253	rBV2	38456	46990	3.98%	0.351%
97	15.730	2265	2268	2275	rVB3	66032	113694	9.62%	0.850%
98	16.175	2336	2341	2344	rBV3	38596	66107	5.59%	0.494%
99	16.291	2355	2360	2366	rVB2	88402	169741	14.37%	1.269%
100	16.633	2410	2416	2430	rVB7	59444	235956	19.97%	1.763%

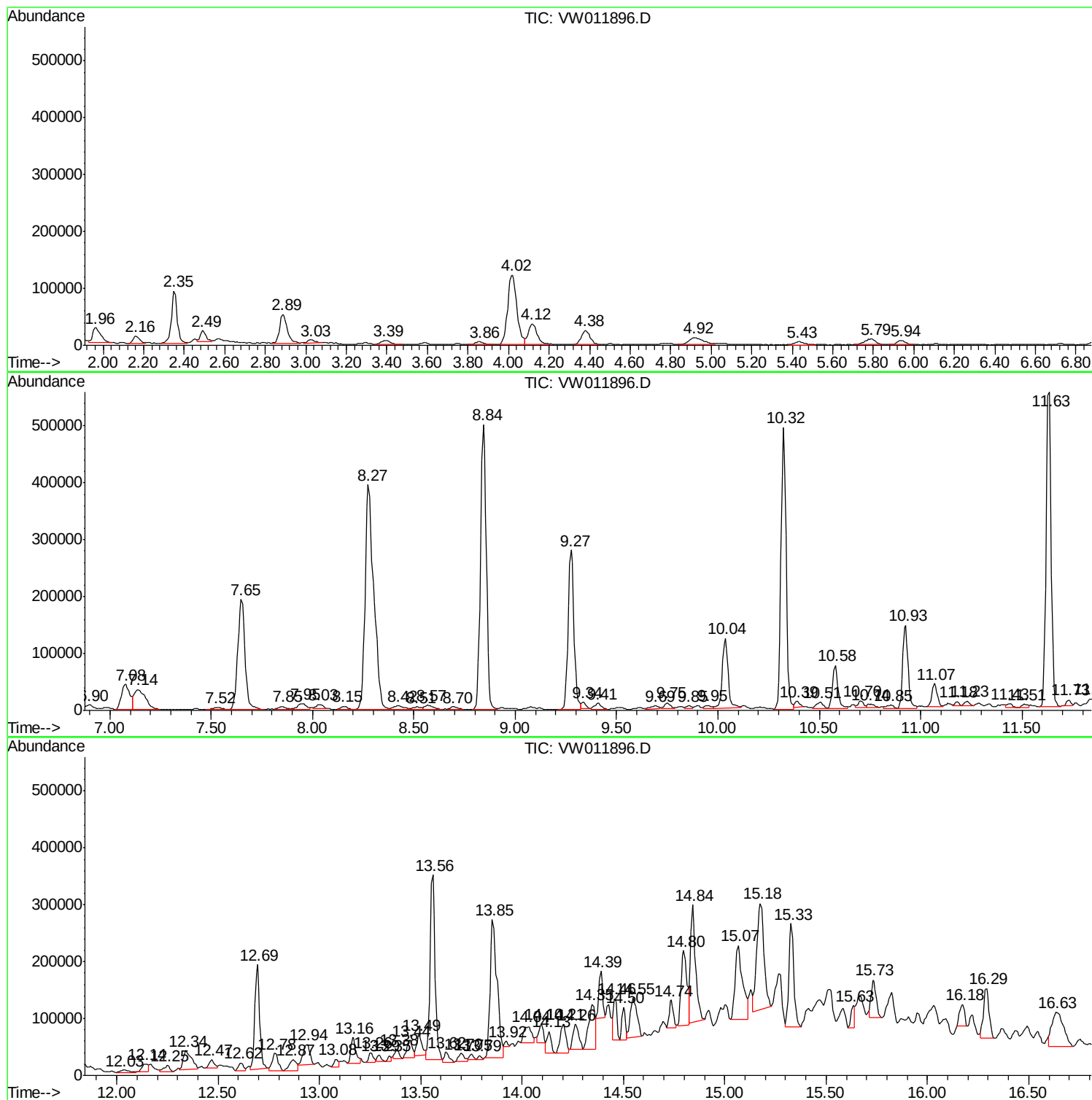
Sum of corrected areas: 13380406

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



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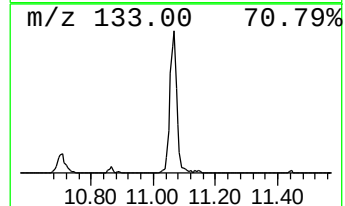
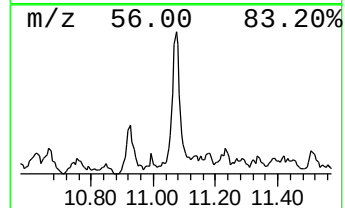
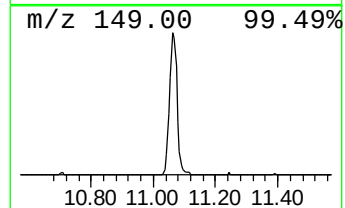
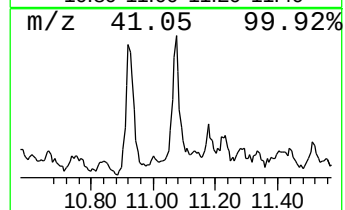
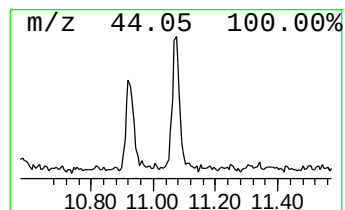
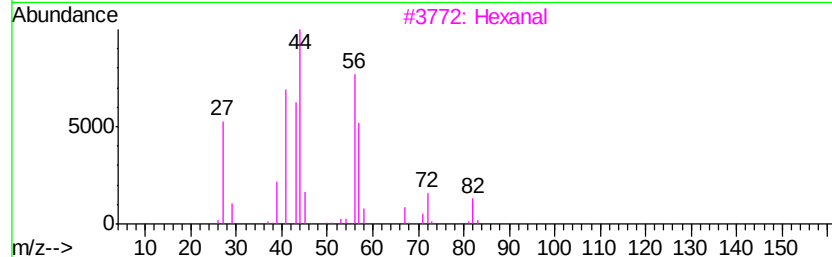
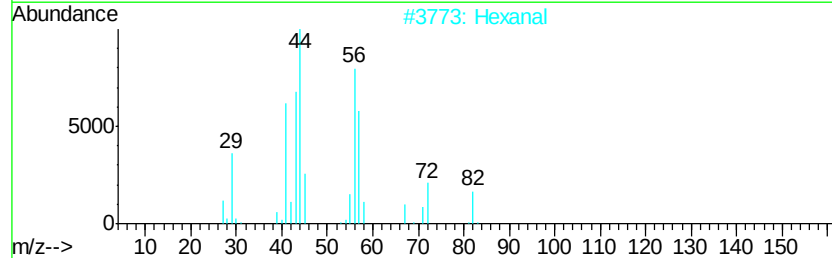
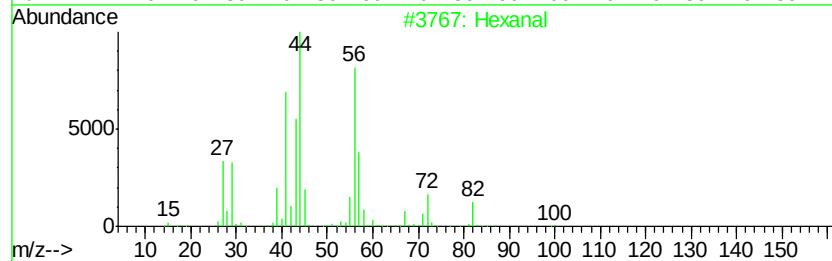
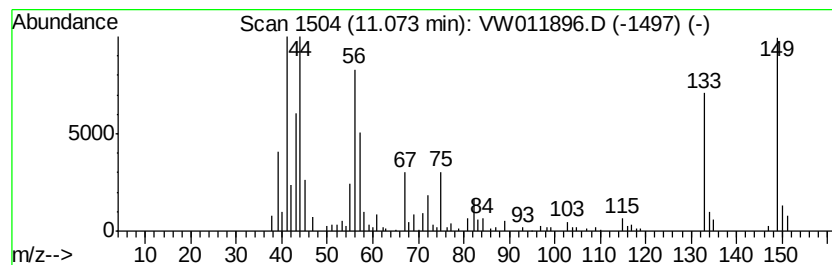
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.88 ug/L	71665	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal			100	C6H12O	000066-25-1	22
2	Hexanal			100	C6H12O	000066-25-1	22
3	Hexanal			100	C6H12O	000066-25-1	22
4	Hexanal			100	C6H12O	000066-25-1	22
5	Dihydroxymaleic acid			148	C4H4O6	000526-84-1	10



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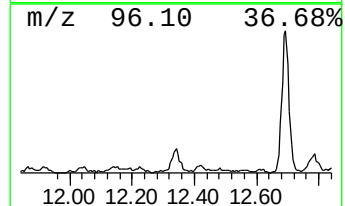
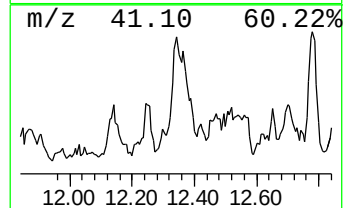
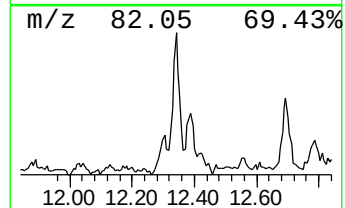
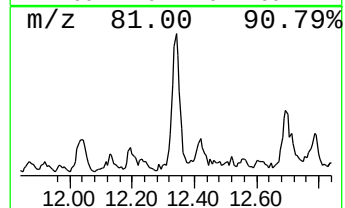
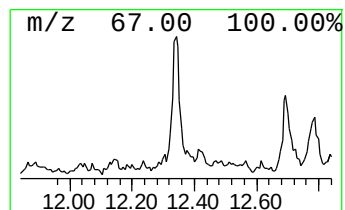
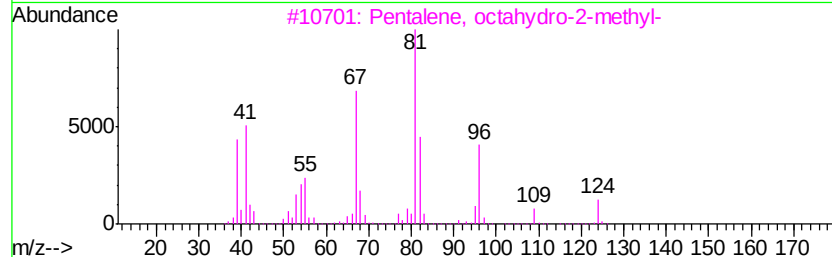
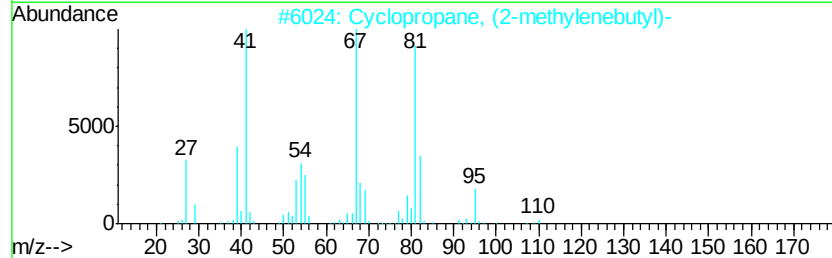
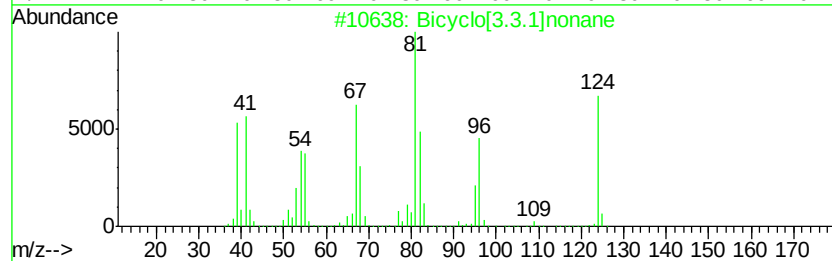
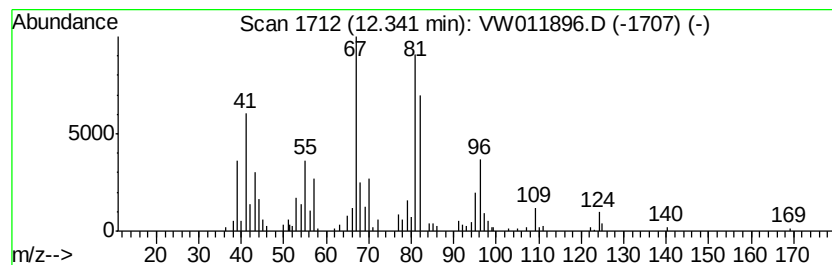
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Bicyclo[3.3.1]nonane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	2.40 ug/L	91614	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	64
2		Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	58
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	53
4		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46
5		Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46



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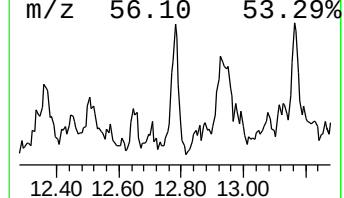
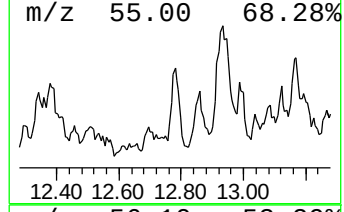
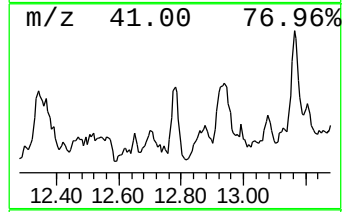
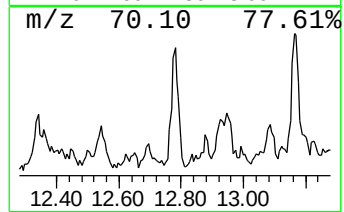
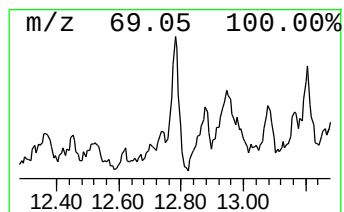
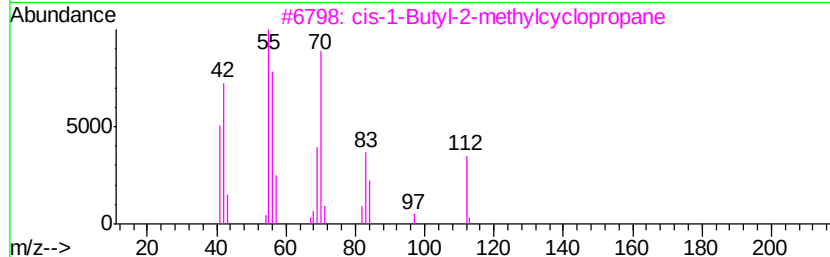
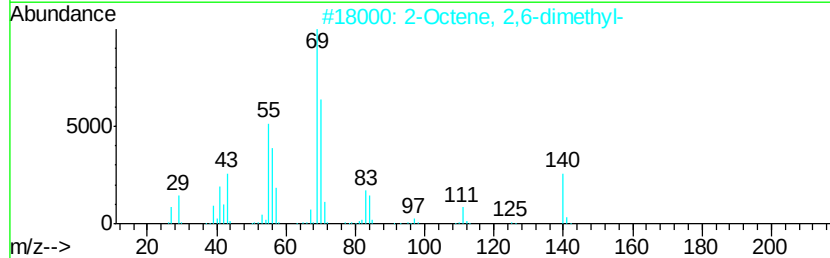
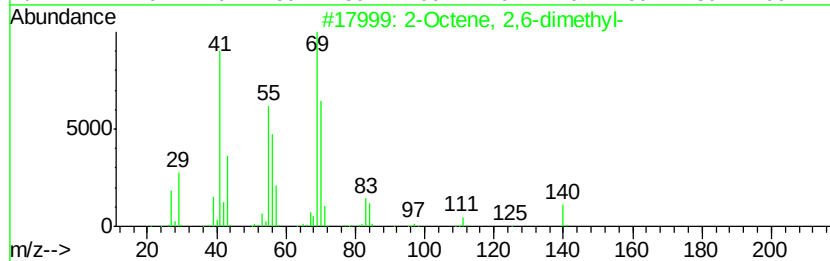
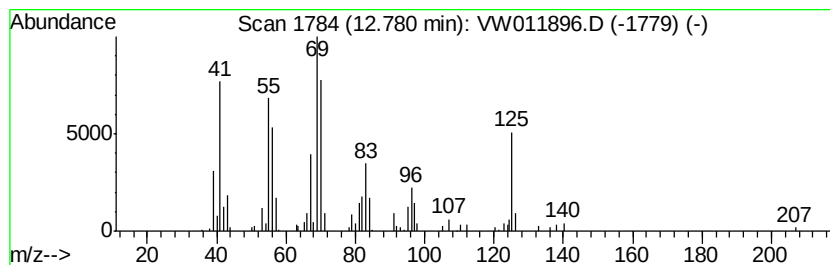
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Peak Number 6 (DEL) Alkane: Cyclic12.78 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.78	2.69 ug/L	60056	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	47
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	38
3	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	38
4	2-Methyl-2-octene	126	C9H18	016993-86-5	38
5	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

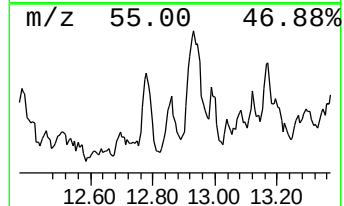
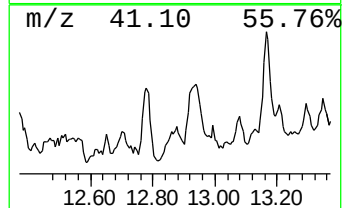
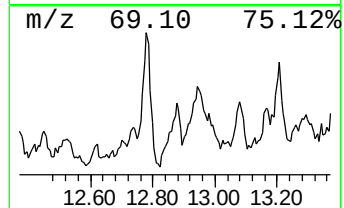
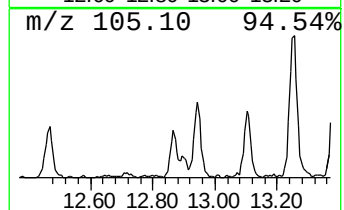
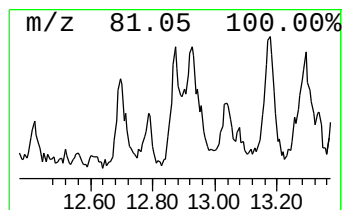
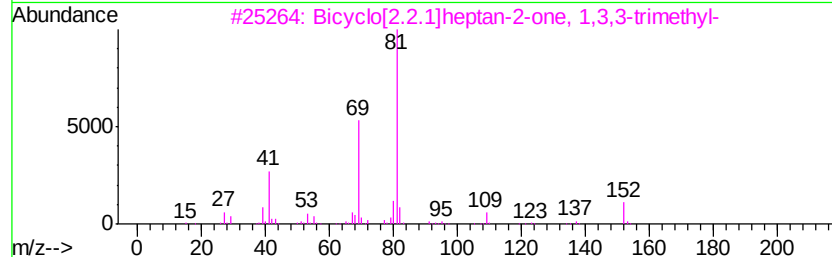
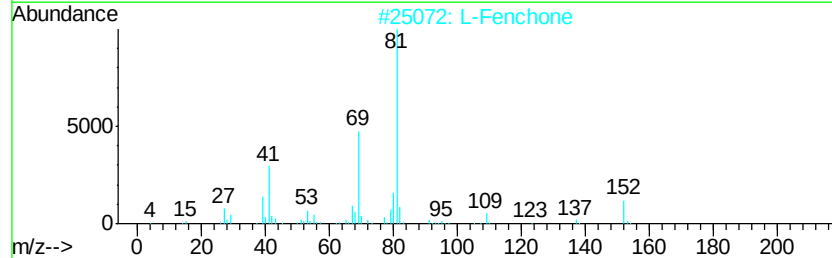
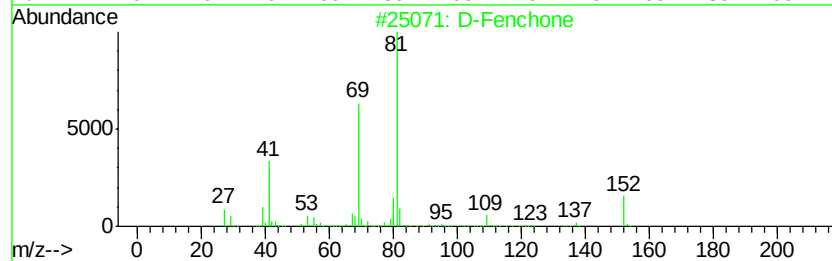
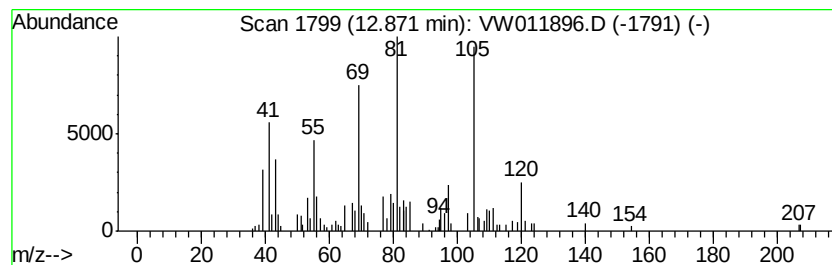
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ClientSampleId :
ETOC0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 7 unknown-02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.87	2.20 ug/L	49088	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Fenchone	152	C10H16O	004695-62-9	47
2	L-Fenchone	152	C10H16O	007787-20-4	47
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	47
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	35
5	1,6-Heptadiene, 3,5-dimethyl-	124	C9H16	068701-99-5	25



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

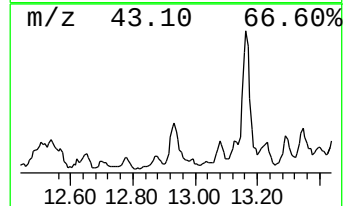
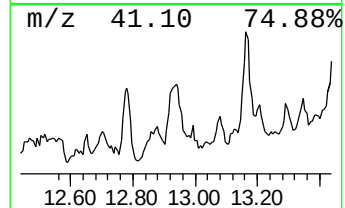
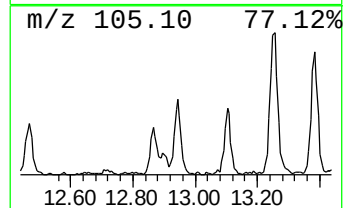
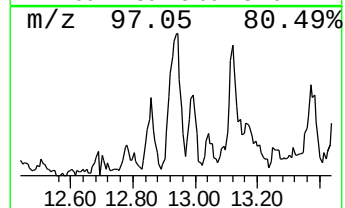
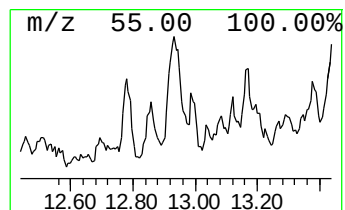
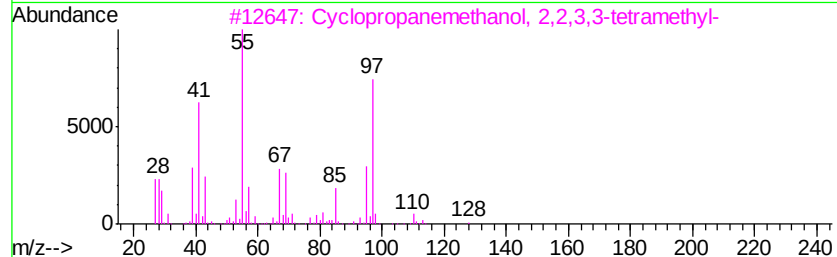
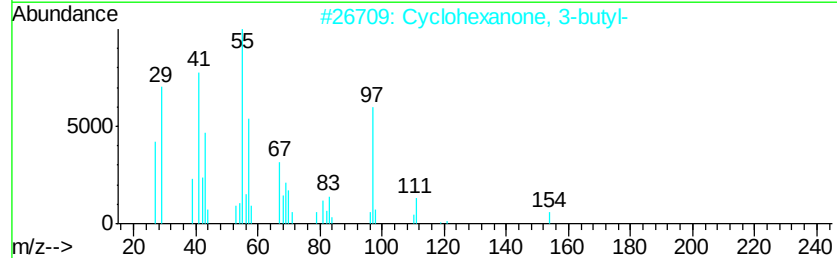
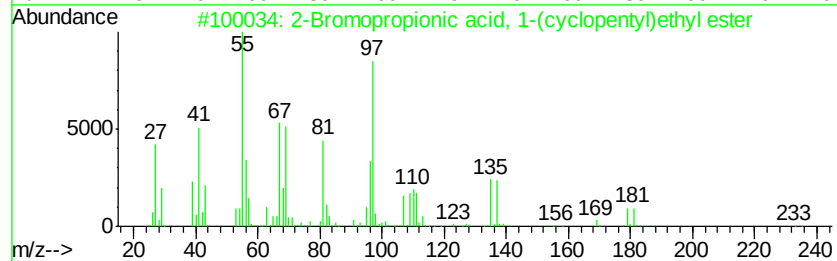
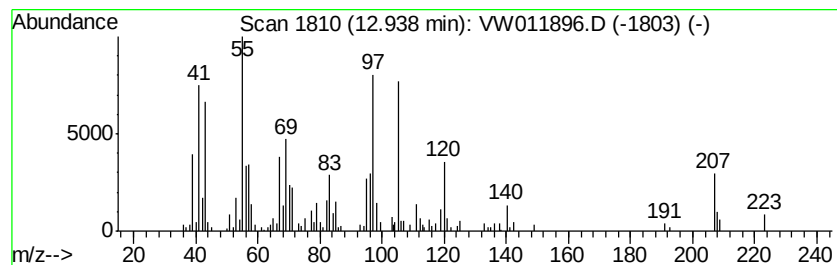
Instrument :
MSVOA_W
ClientSampleId :
ETOC0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 8 2-Bromopropionic acid, 1-(c... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	3.66 ug/L	81727	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Bromopropionic acid, 1-(cvclop...	248 C10H17BrO2	1000293-39-1	50
2	Cyclohexanone, 3-butyl-	154 C10H18O	039178-69-3	43
3	Cyclopropanemethanol, 2,2,3,3-te...	128 C8H16O	002415-96-5	38
4	Thiophene-2-acetic acid, dodec-9...	306 C18H26O2S	1000282-82-8	35
5	Thiophen-2-methylamine, N-(2-flu...	207 C11H10FNS	1000310-35-2	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

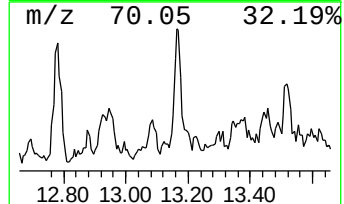
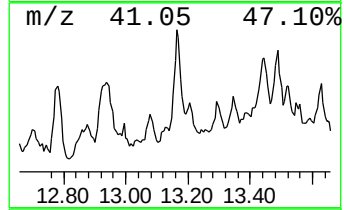
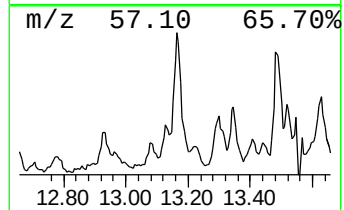
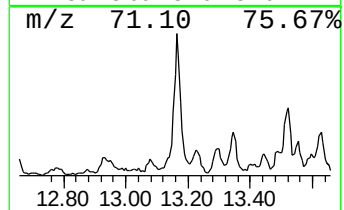
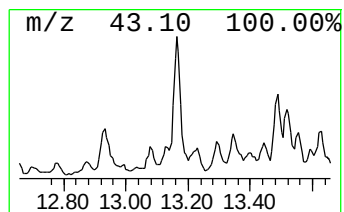
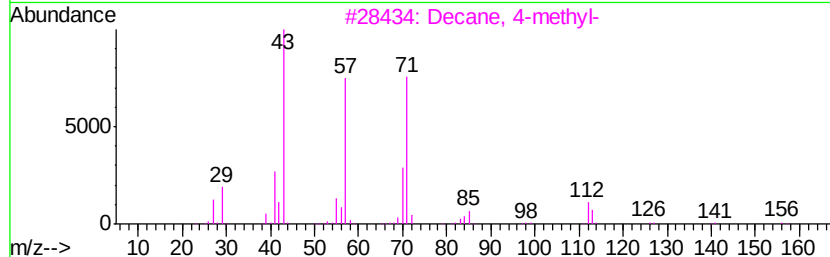
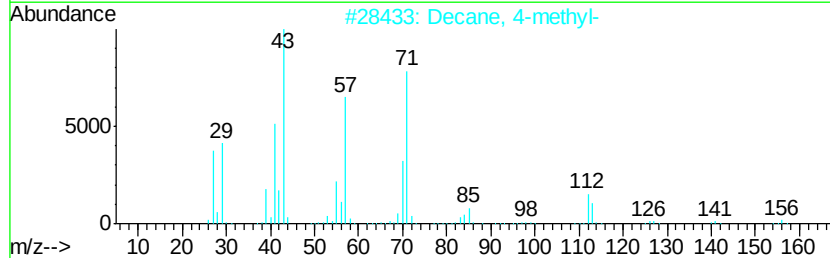
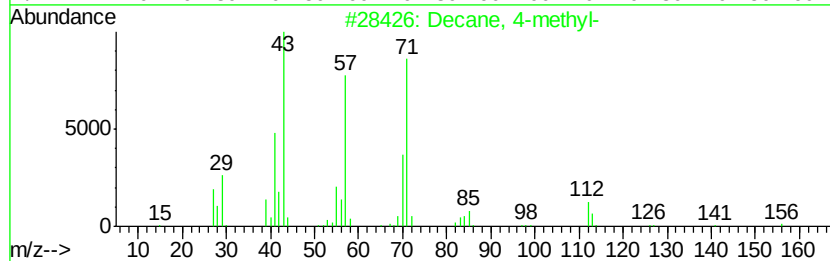
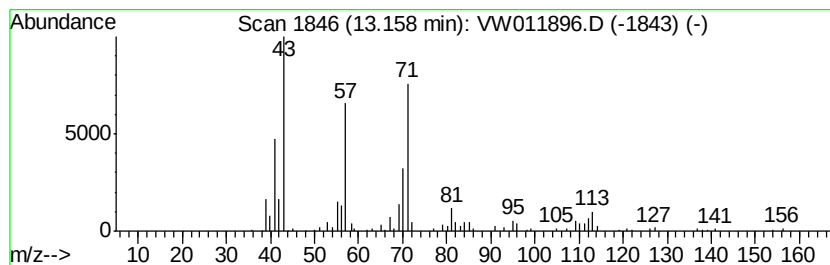
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.39 ug/L	75707	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	90
2			Decane, 4-methyl-	156	C11H24	002847-72-5	83
3			Decane, 4-methyl-	156	C11H24	002847-72-5	64
4			Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
5			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

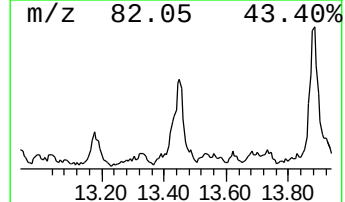
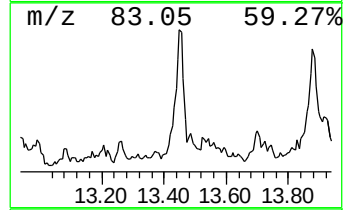
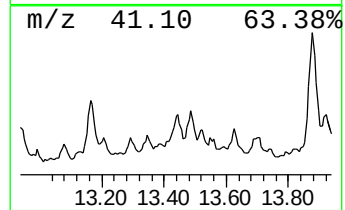
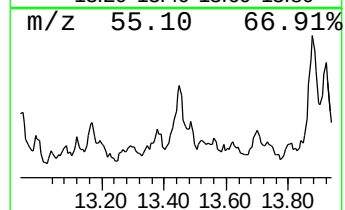
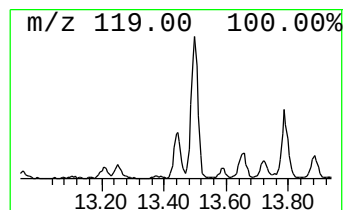
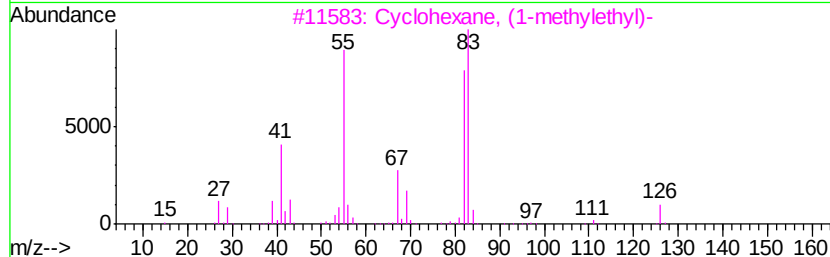
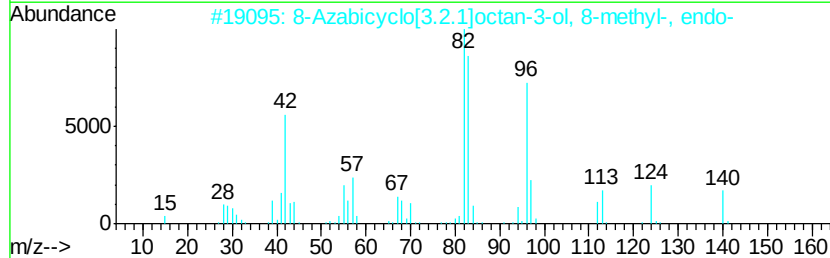
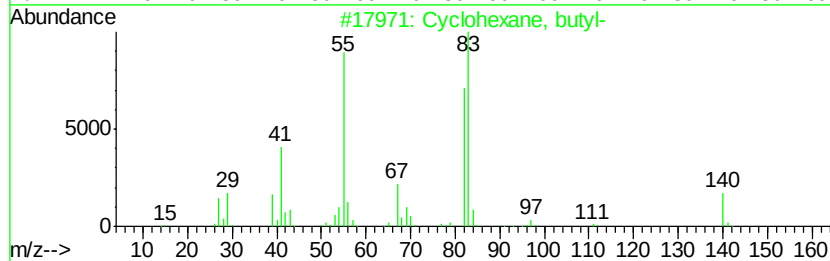
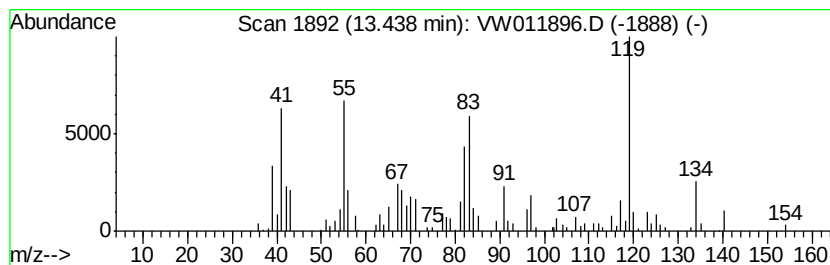
Instrument :
MSVOA_W
ClientSampleId :
ETOC0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic13.44 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.44	2.62 ug/L	58522	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
2	8-Azabicyclo[3.2.1]octan-3-ol, 8...	141	C8H15NO	000120-29-6	49
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	45
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	45
5	o-Cymene	134	C10H14	000527-84-4	38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

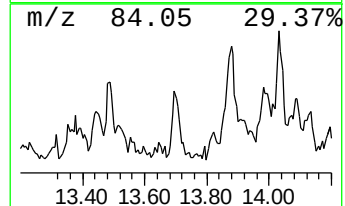
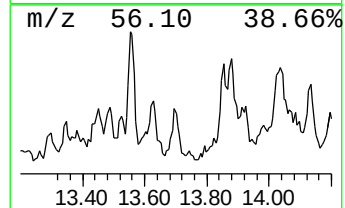
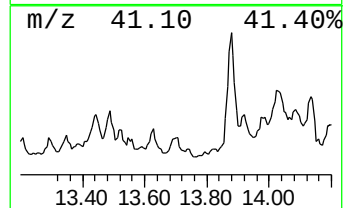
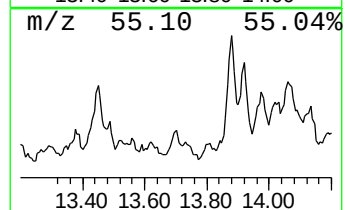
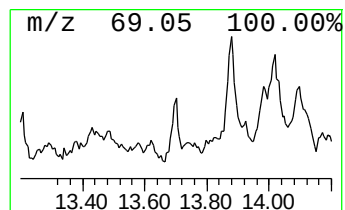
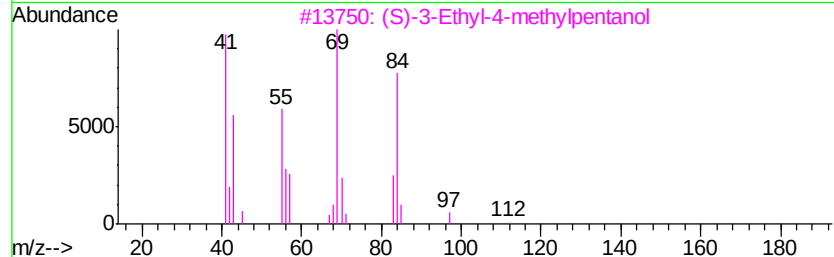
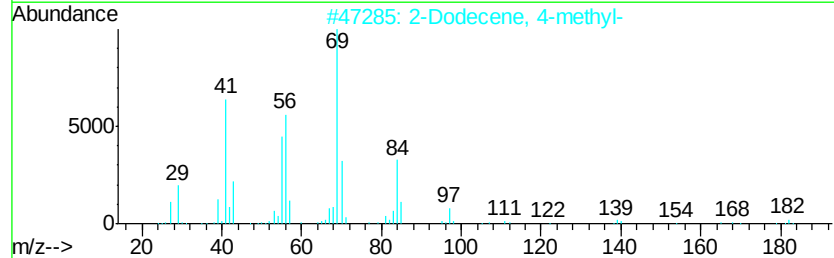
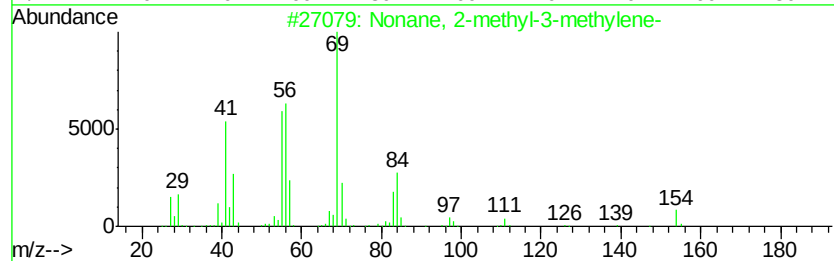
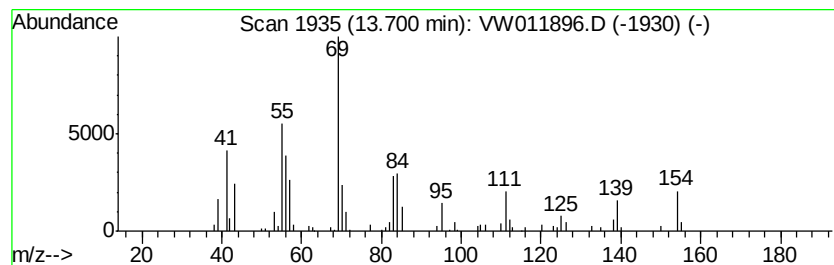
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Cyclic13.70 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.70	1.27 ug/L	28303	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	64
2	2-Dodecene, 4-methyl-	182	C13H26	056851-45-7	53
3	(S)-3-Ethyl-4-methylpentanol	130	C8H18O	1000144-07-1	47
4	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43
5	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

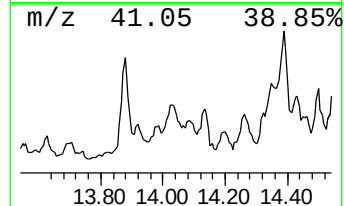
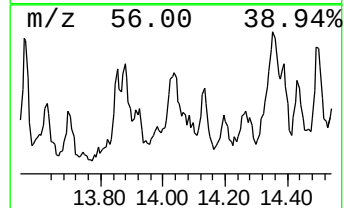
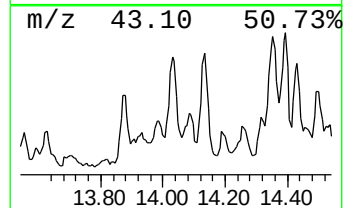
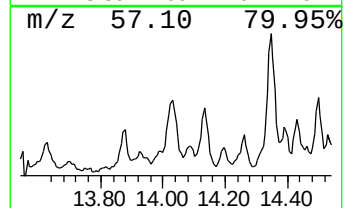
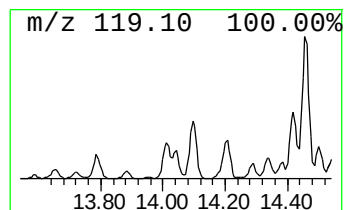
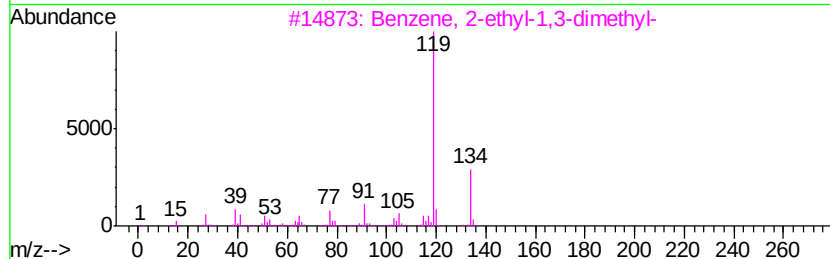
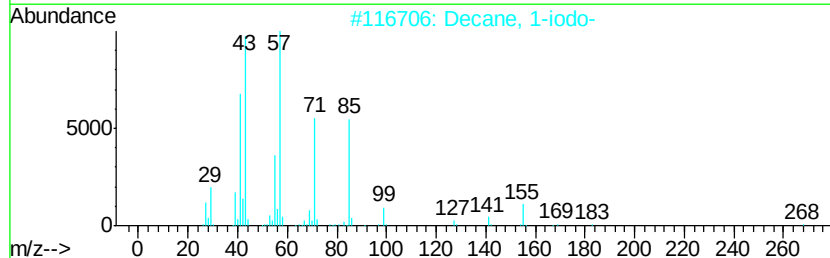
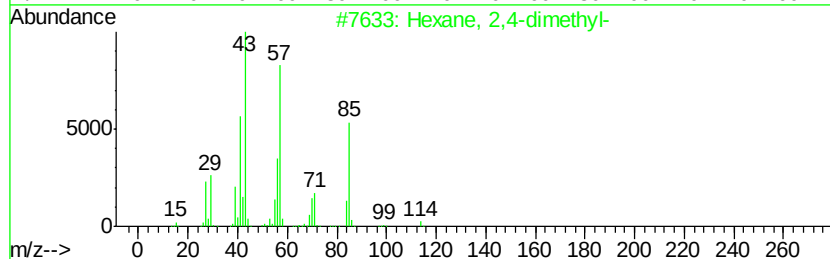
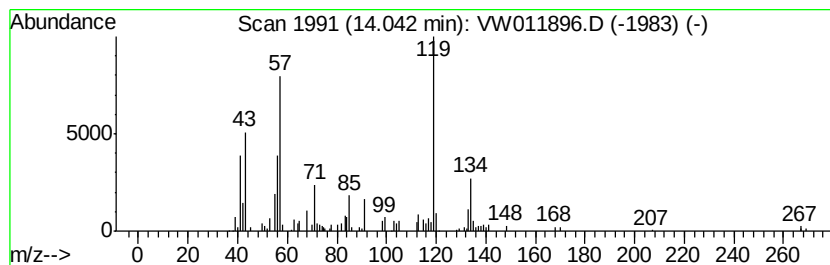
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.49 ug/L	77808	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	25
2		Decane, 1-iodo-	268	C10H21I	002050-77-3	22
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	20
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	20
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

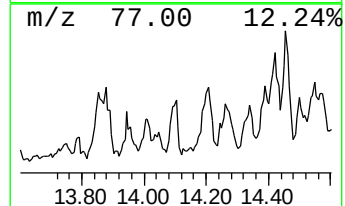
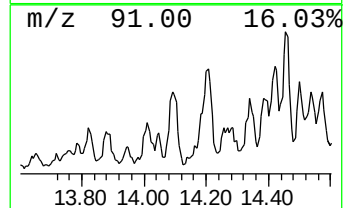
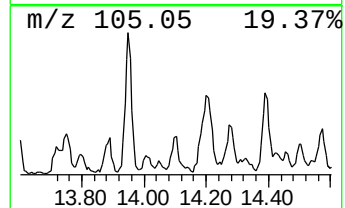
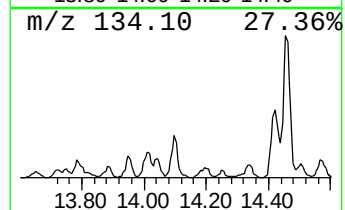
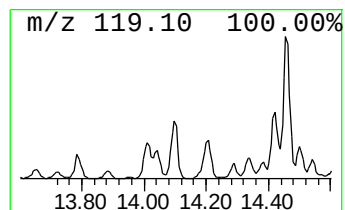
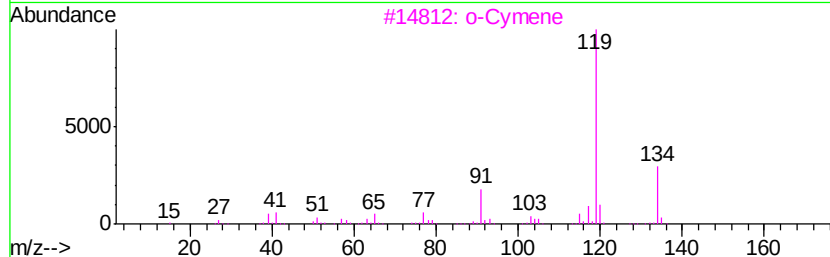
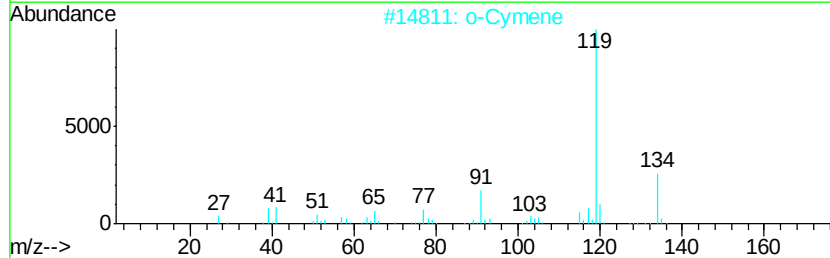
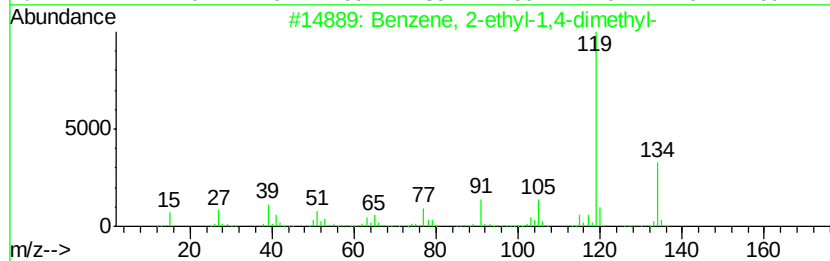
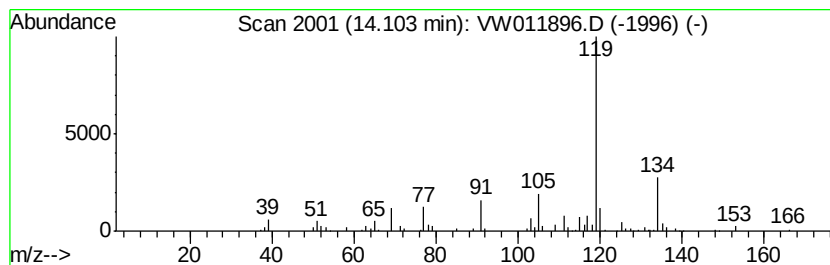
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.19 ug/L	48919	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	94
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

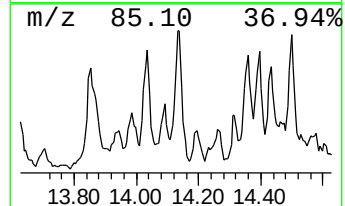
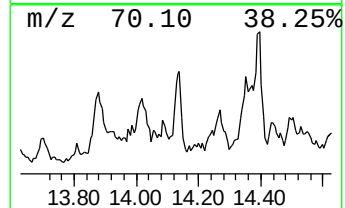
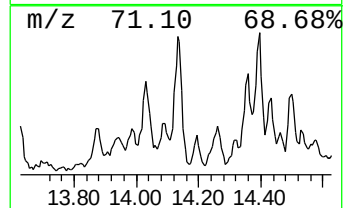
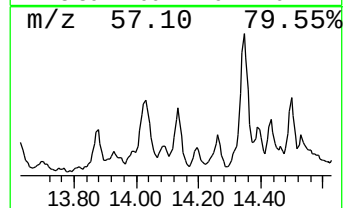
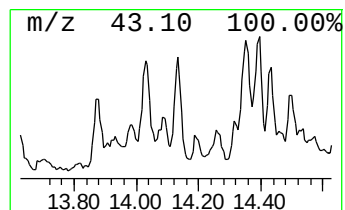
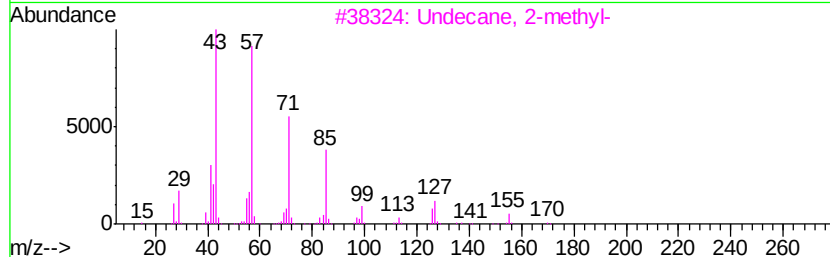
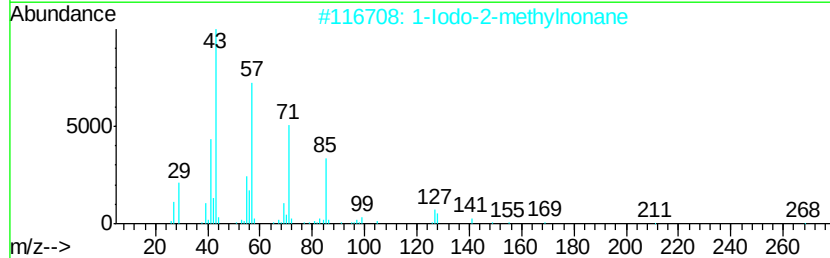
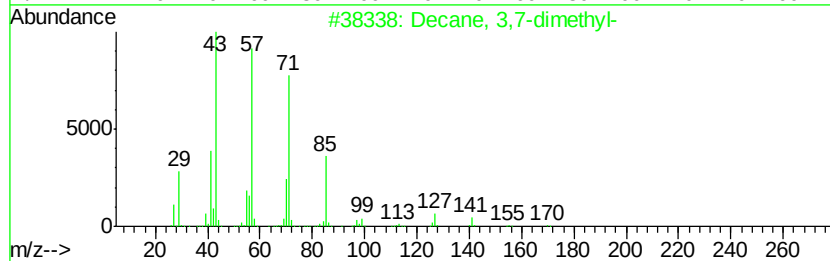
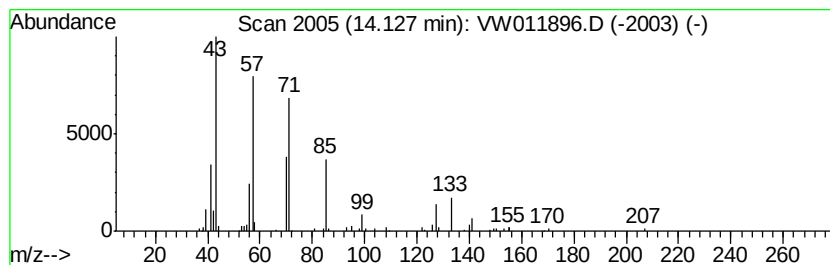
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	2.45 ug/L	54770	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	80
2		1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
3		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
4		Undecane, 5-methyl-	170	C12H26	001632-70-8	64
5		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
ETOC0

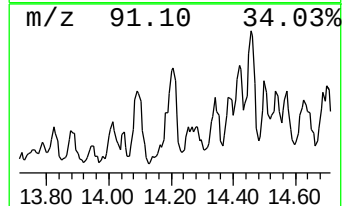
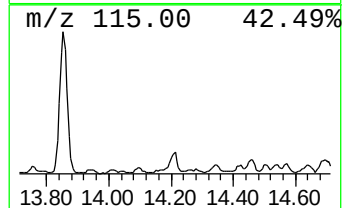
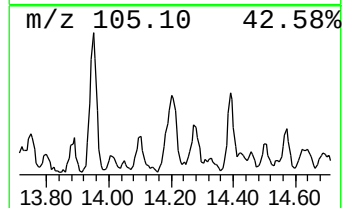
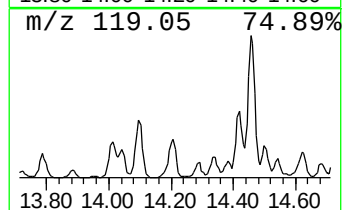
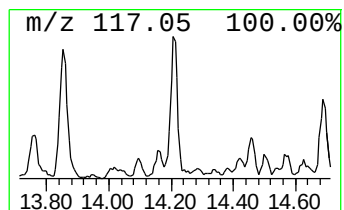
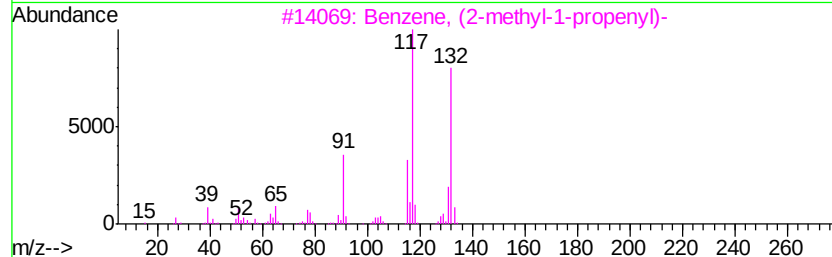
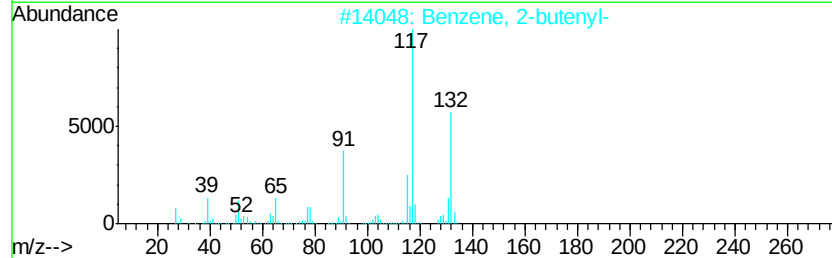
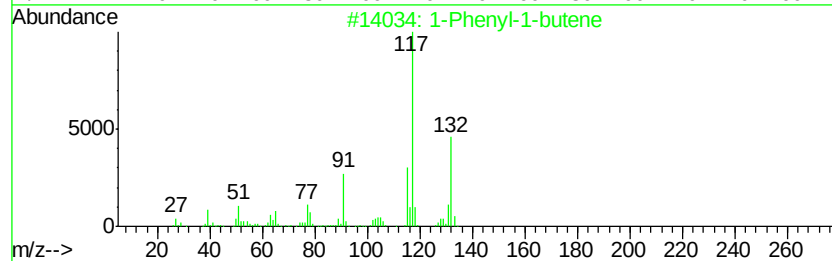
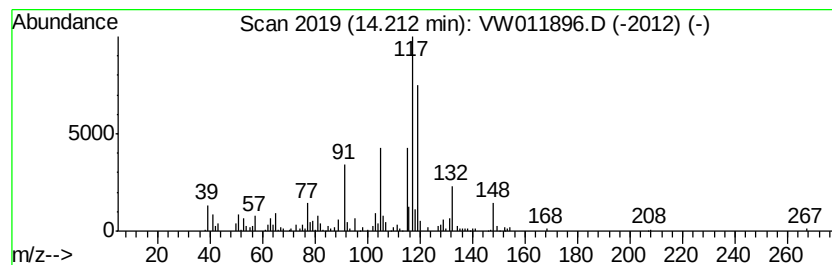
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Quant Title : VOC Analysis

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

Peak Number 16 1-Phenyl-1-butene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	4.43 ug/L	98817	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Phenyl-1-butene	132	C10H12	000824-90-8	55
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	49
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	46
4		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	45
5		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

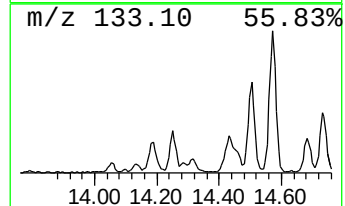
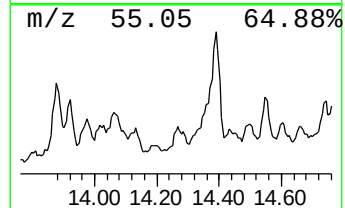
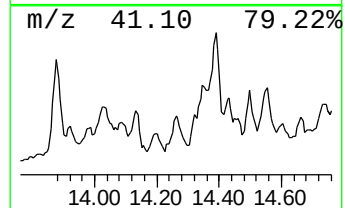
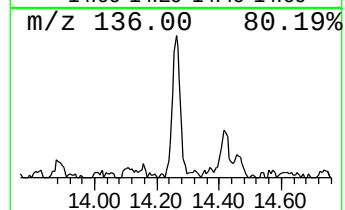
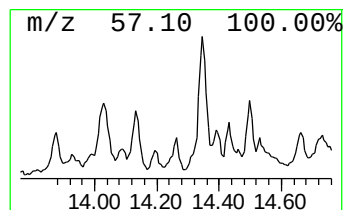
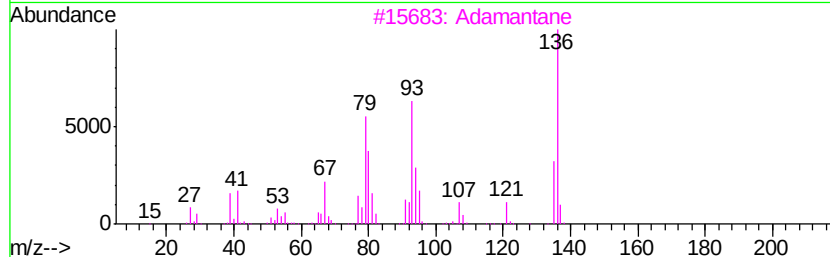
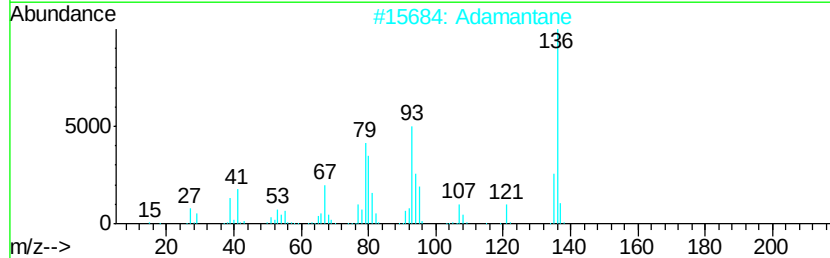
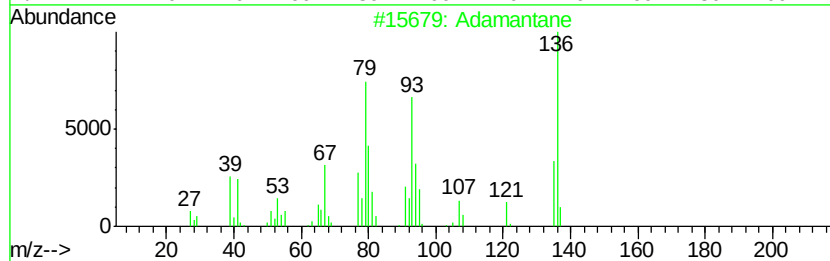
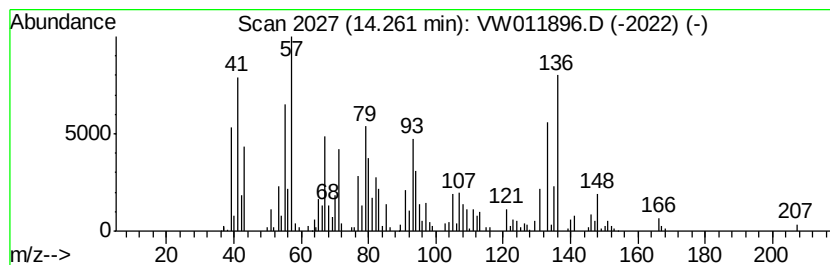
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Quant Title : VOC Analysis

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

Peak Number 17 Adamantane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	4.01 ug/L	89422	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Adamantane	136	C10H16	000281-23-2	93
2		Adamantane	136	C10H16	000281-23-2	70
3		Adamantane	136	C10H16	000281-23-2	70
4		2,5-Methano-1H-indene, octahydro-	136	C10H16	019026-94-9	64
5		Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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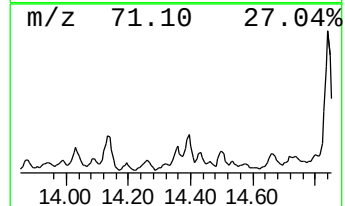
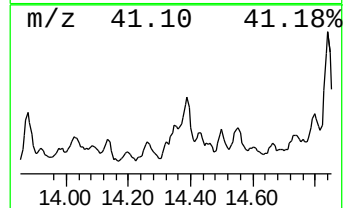
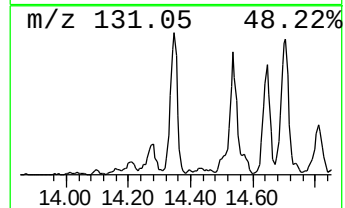
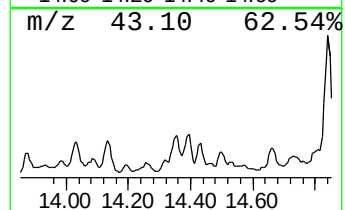
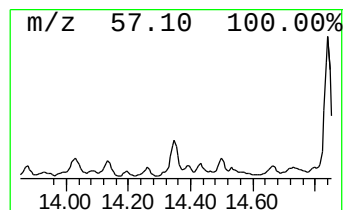
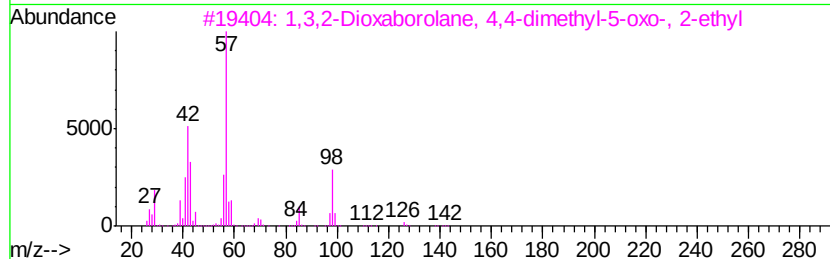
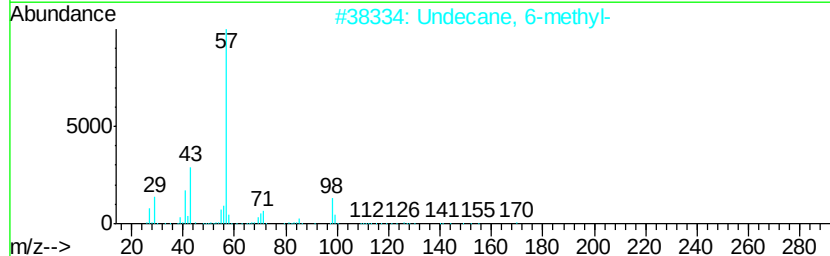
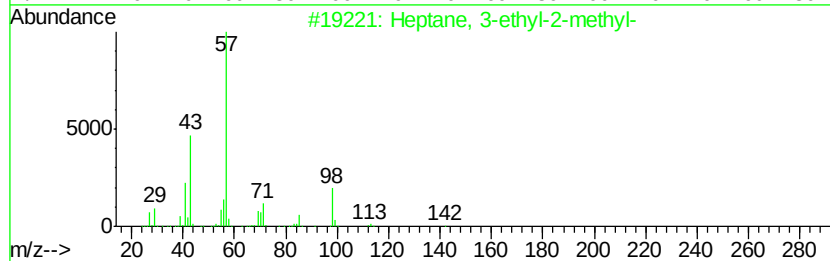
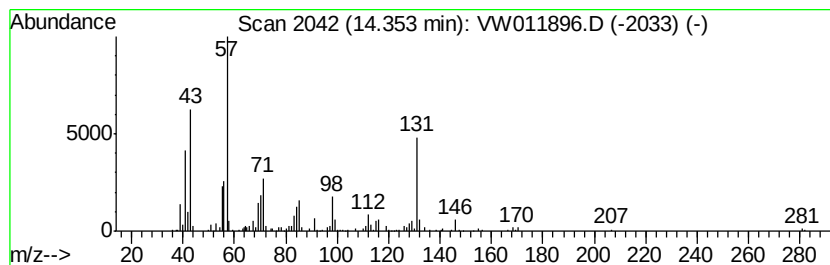
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	8.23 ug/L	183569	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	30
2		Undecane, 6-methyl-	170	C12H26	017302-33-9	30
3		1,3,2-Dioxaborolane, 4,4-dimethv...	142	C6H11B03	1000063-89-2	27
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	27
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

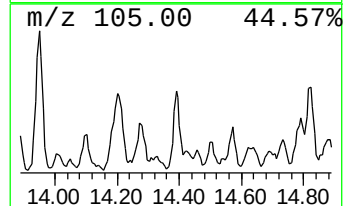
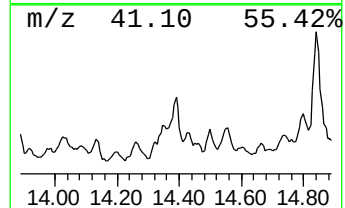
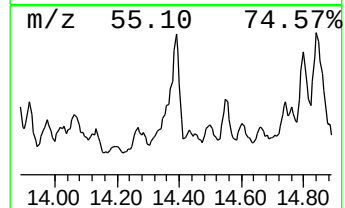
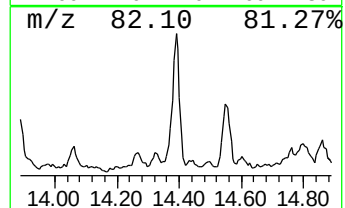
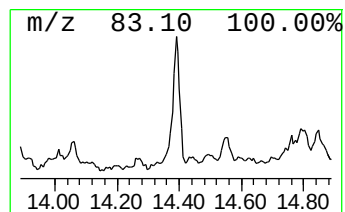
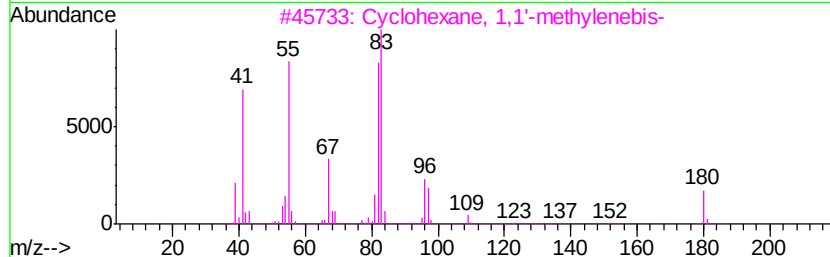
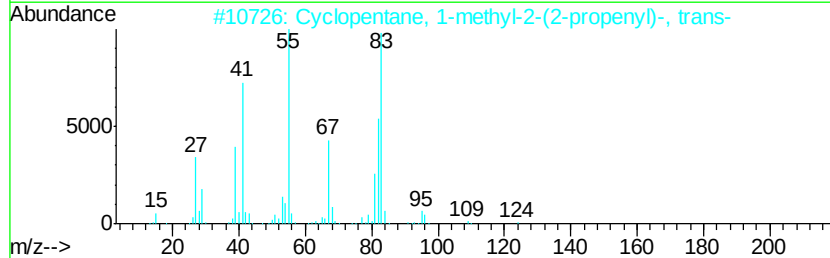
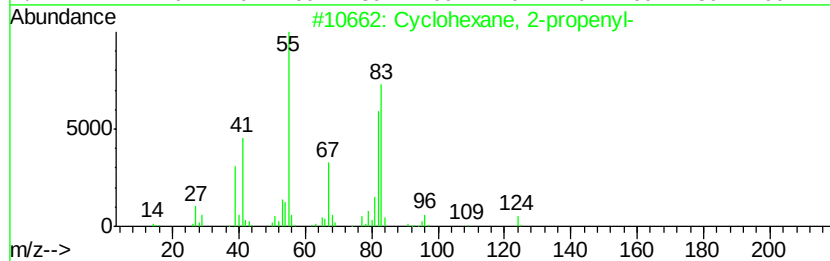
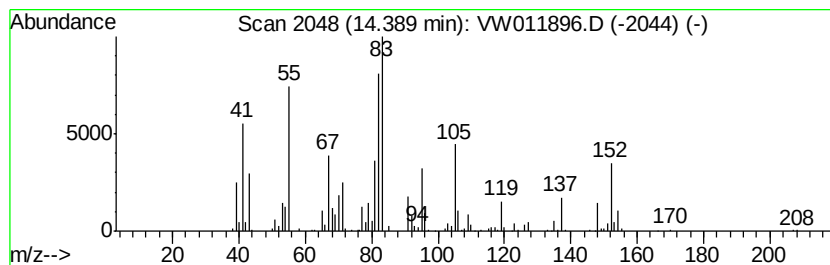
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ClientSampleId :
ETOC0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 19 Cyclohexane, 2-propenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	4.70 ug/L	104875	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 2-propenyl-	124 C9H16	002114-42-3 53
2		Cyclopentane, 1-methyl-2-(2-propenyl)-	124 C9H16	050746-53-7 53
3		Cyclohexane, 1,1'-methylenebis-	180 C13H24	003178-23-2 53
4		Cyclohexane, pentyl-	154 C11H22	004292-92-6 49
5		Cyclohexane, 1,1'-(1,3-propanediyl)-	208 C15H28	003178-24-3 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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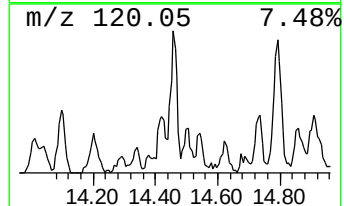
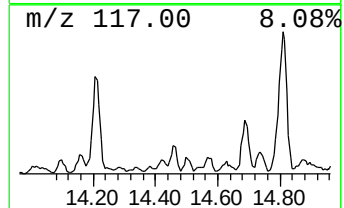
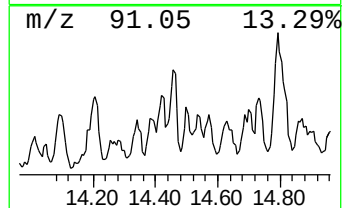
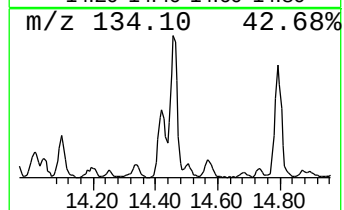
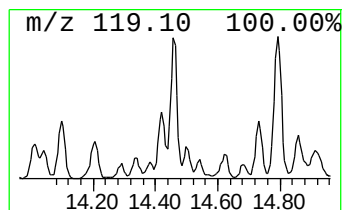
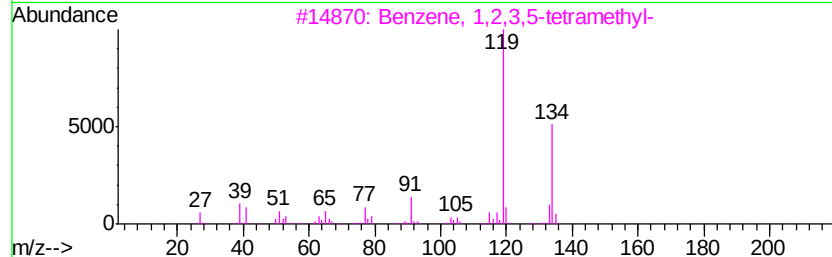
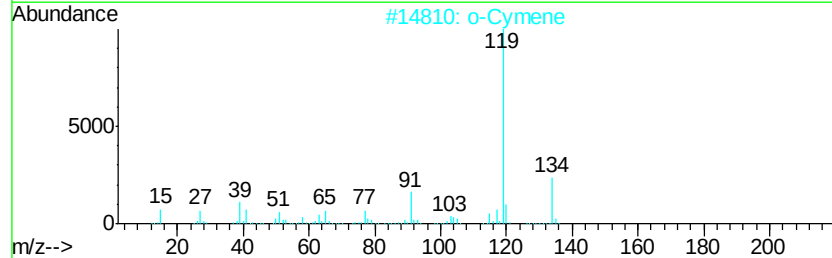
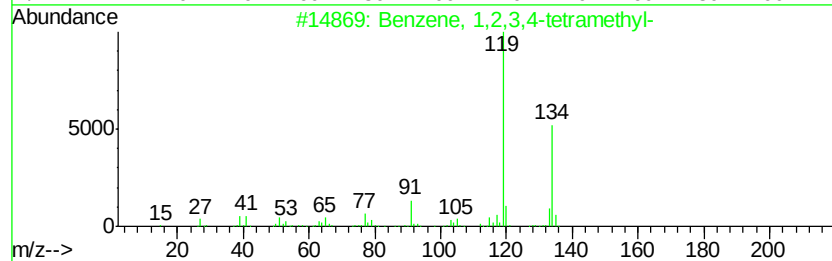
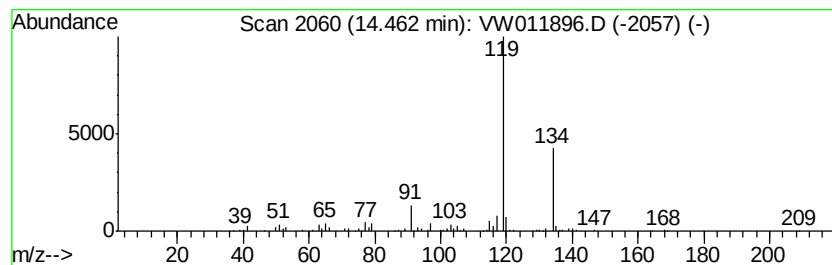
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	4.04 ug/L	90148	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2		o-Cymene	134	C10H14	000527-84-4	90
3		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

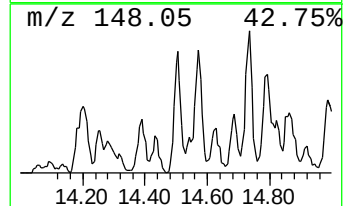
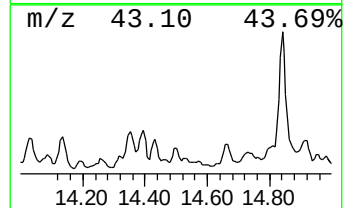
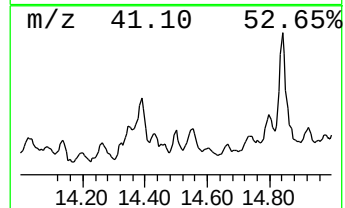
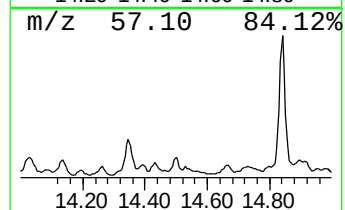
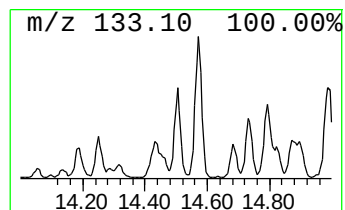
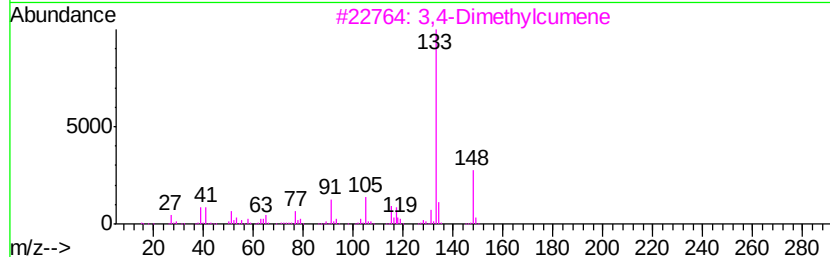
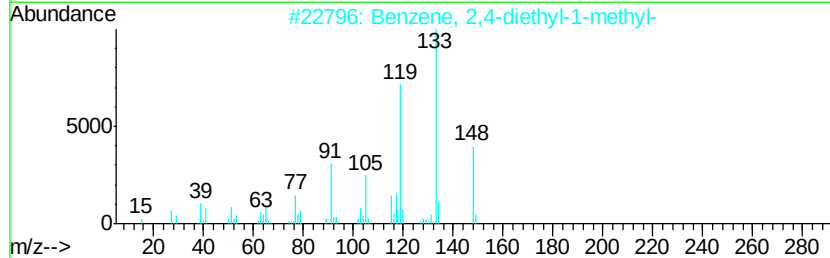
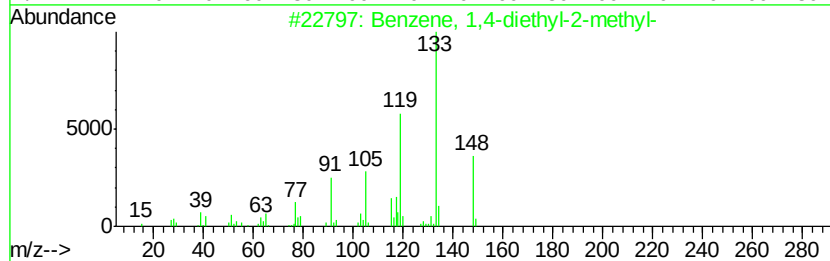
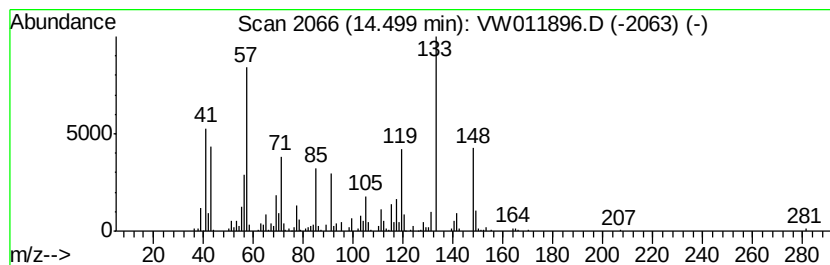
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	3.46 ug/L	77204	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	64
2		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
3		3,4-Dimethylcumene	148	C11H16	1000370-34-1	55
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

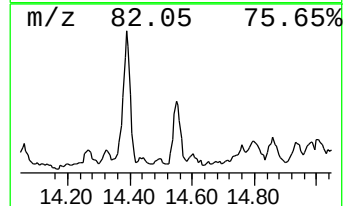
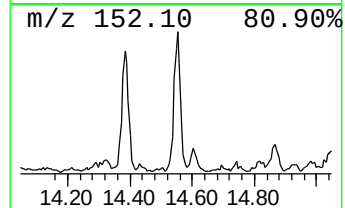
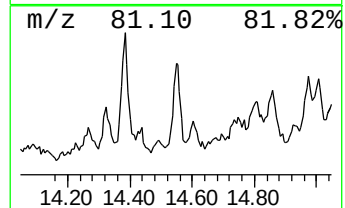
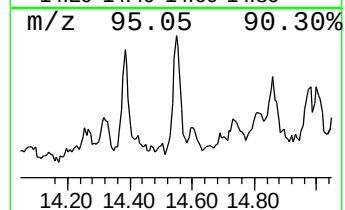
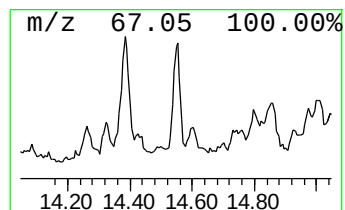
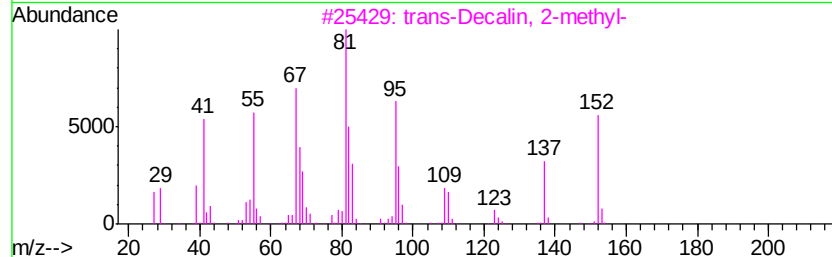
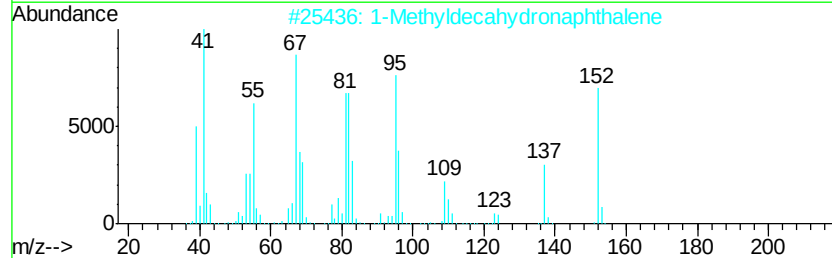
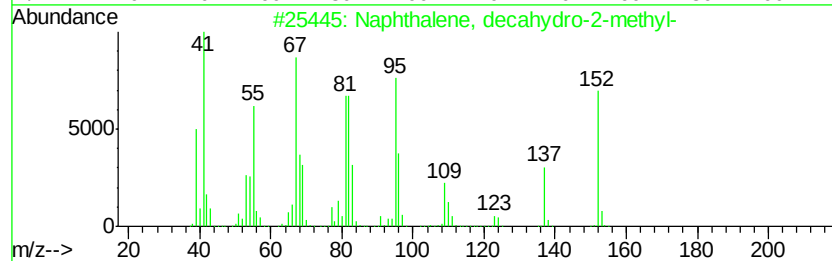
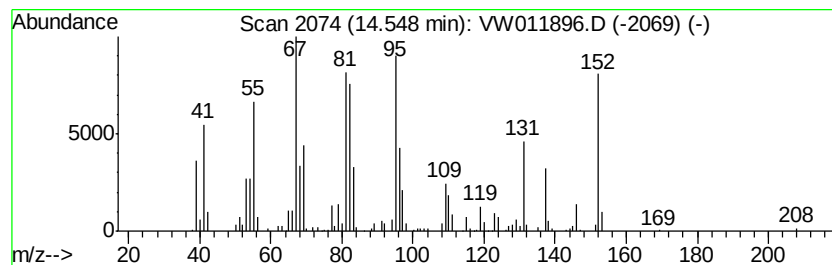
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Quant Title : VOC Analysis

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

Peak Number 22 Naphthalene, decahydro-2-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	6.99 ug/L	155972	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	98
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	98
3		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	83
4		Spiro[5.5]undecane	152	C11H20	000180-43-8	78
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

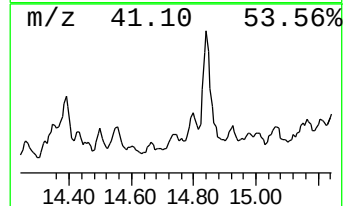
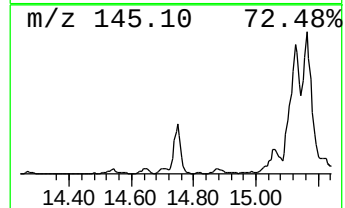
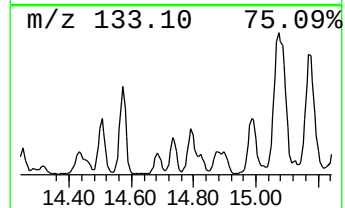
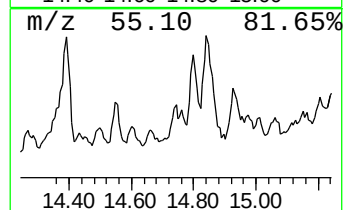
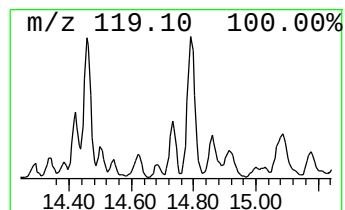
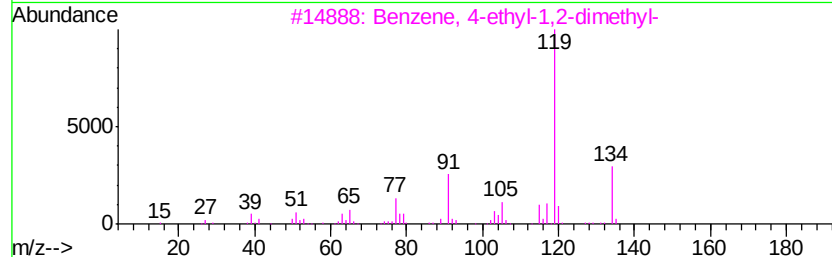
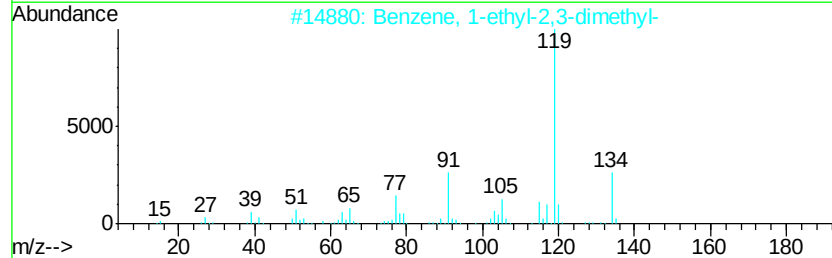
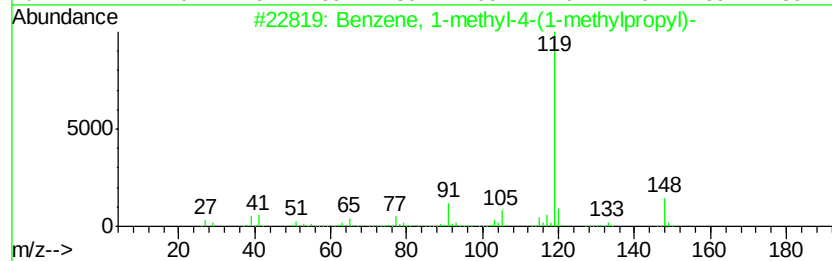
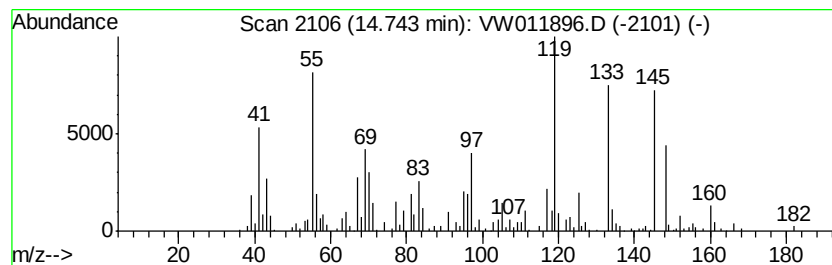
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Quant Title : VOC Analysis

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

Peak Number 23 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	3.28 ug/L	73225	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	41
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	41
4		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	38
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

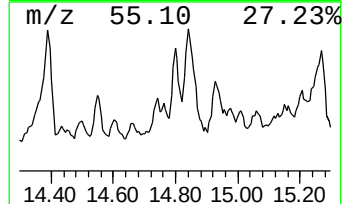
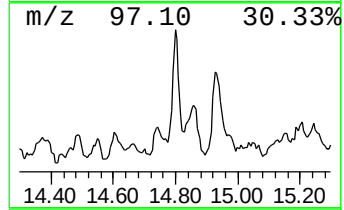
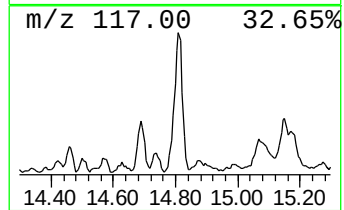
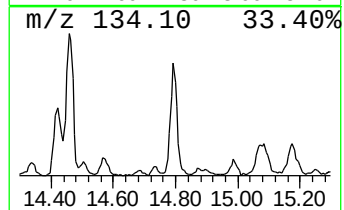
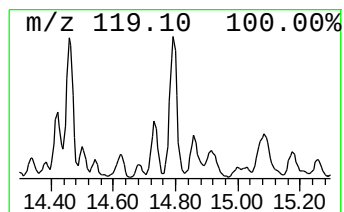
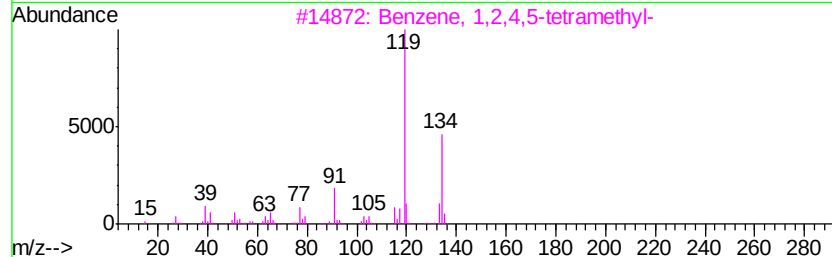
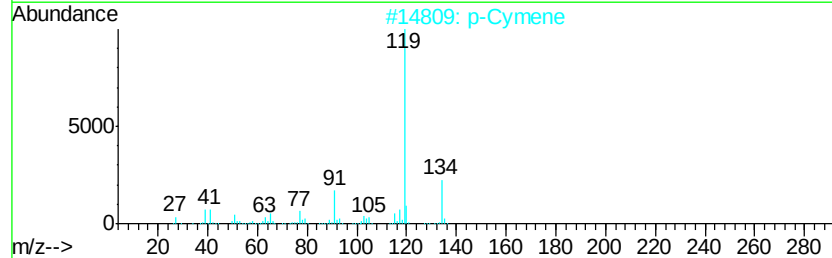
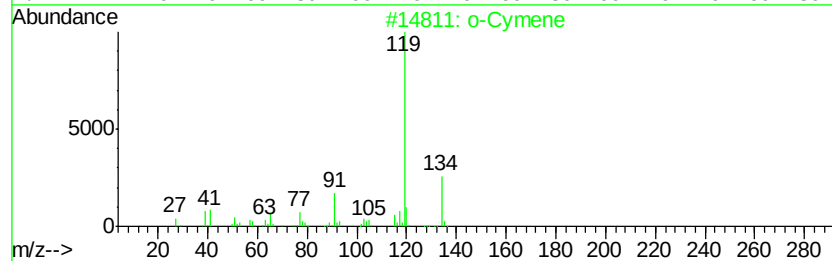
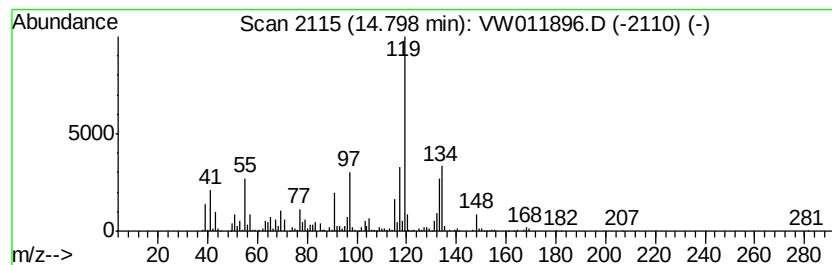
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Quant Title : VOC Analysis

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

Peak Number 24 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	11.79 ug/L	263050	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	60
2		p-Cymene	134	C10H14	000099-87-6	60
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4		o-Cymene	134	C10H14	000527-84-4	60
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

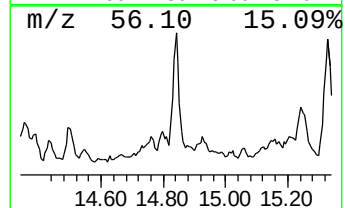
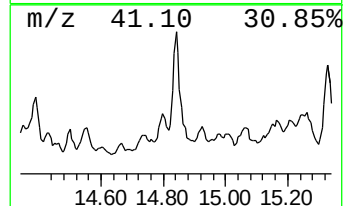
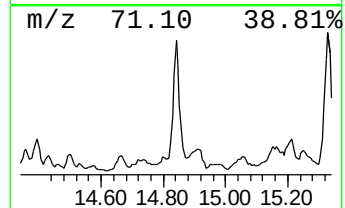
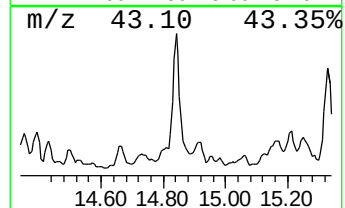
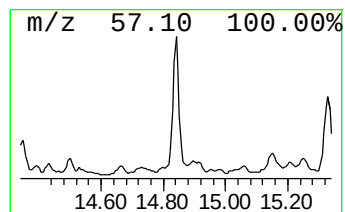
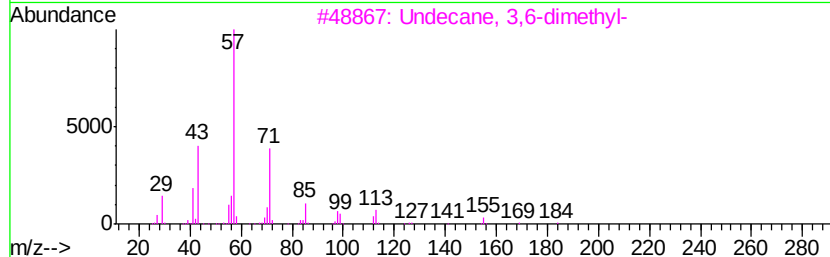
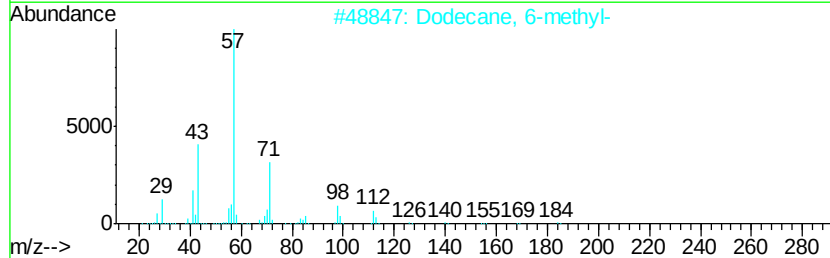
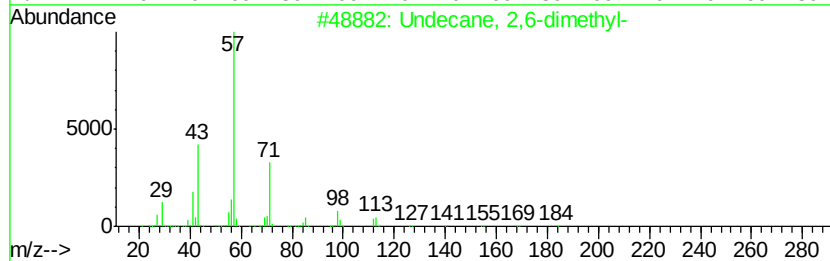
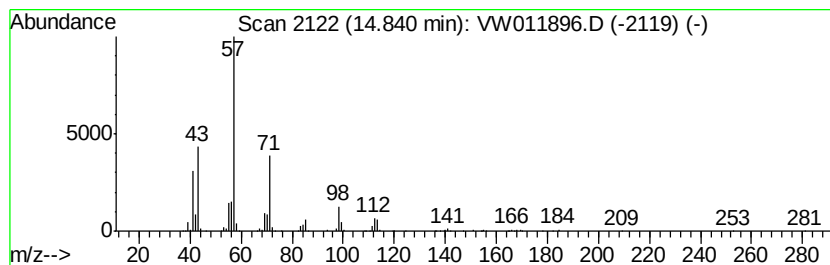
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	15.64 ug/L	349018	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	91
2		Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
3		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
4		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

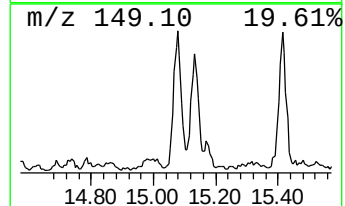
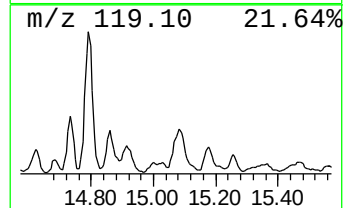
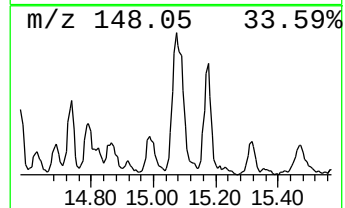
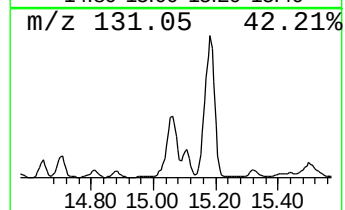
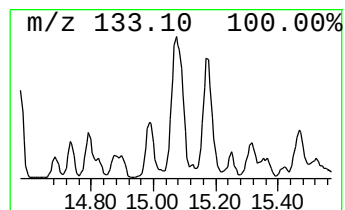
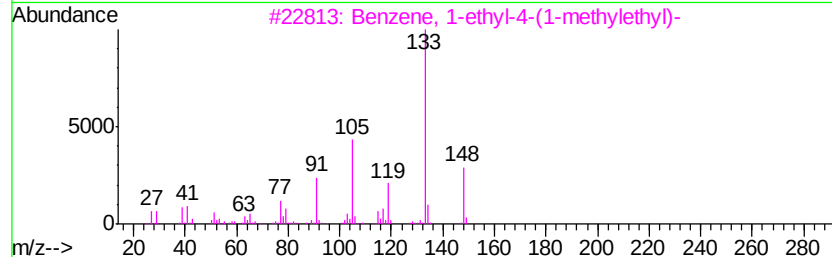
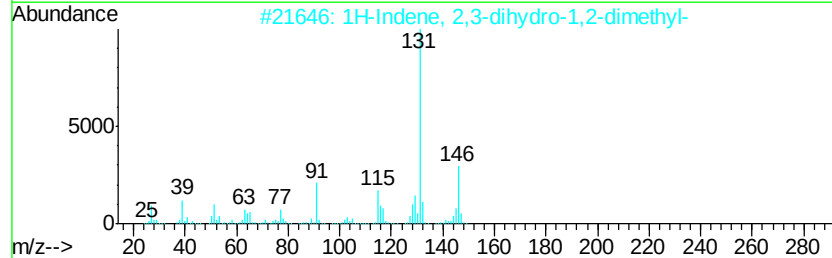
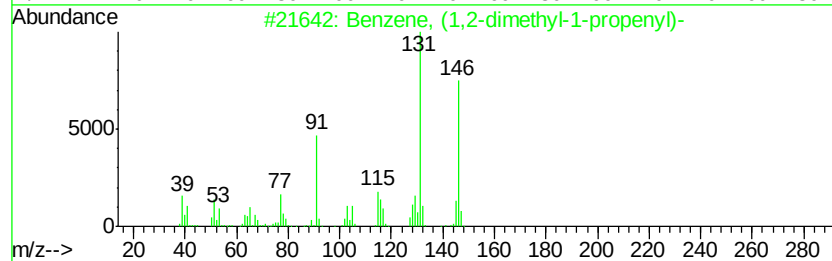
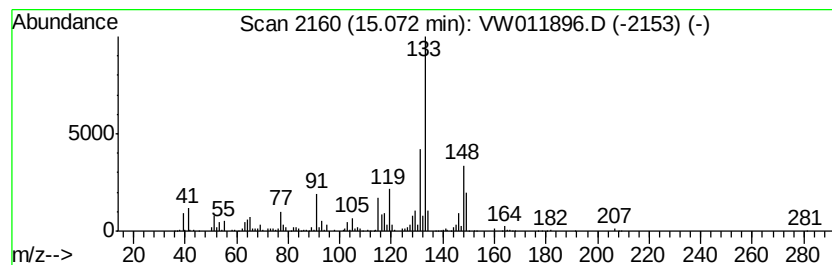
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, (1,2-dimethyl-1-propenyl) Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	15.24 ug/L	340033	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	72
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	72
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	58
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

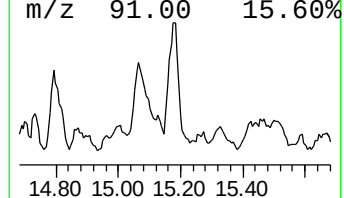
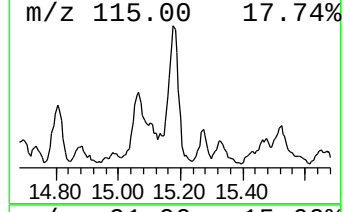
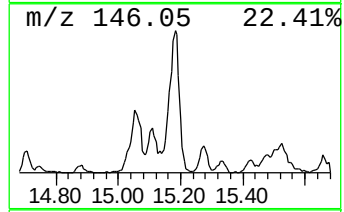
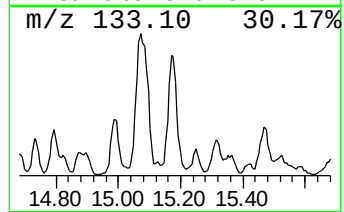
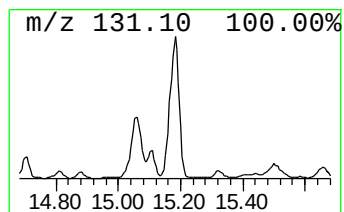
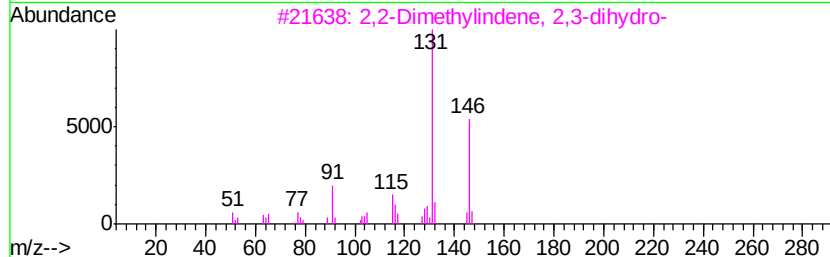
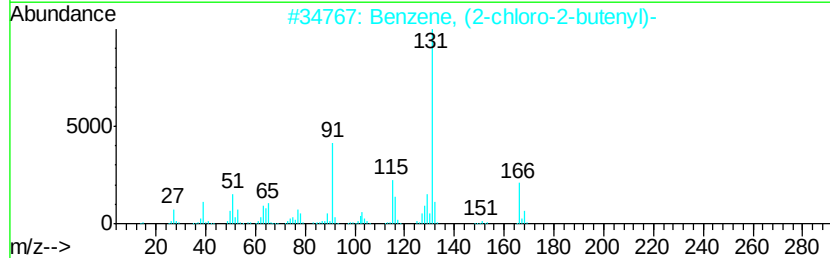
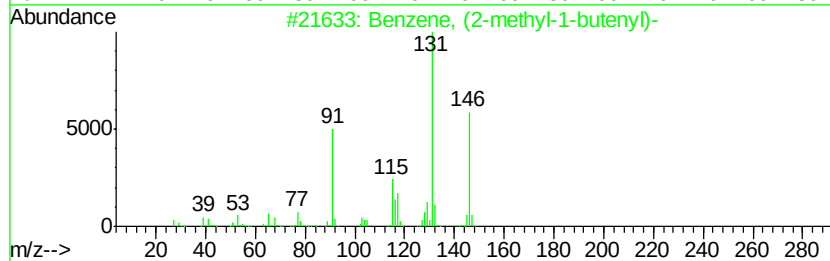
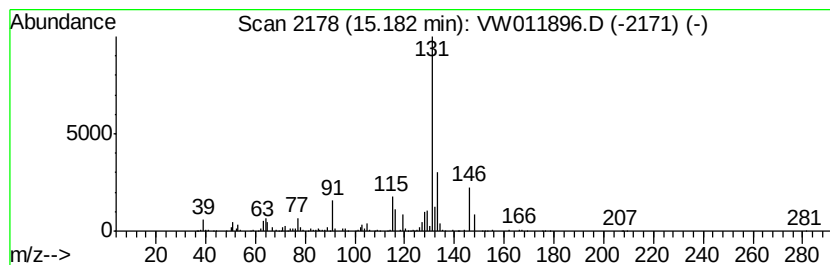
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, (2-methyl-1-butenyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	20.58 ug/L	459354	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
2		Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	78
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5		Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

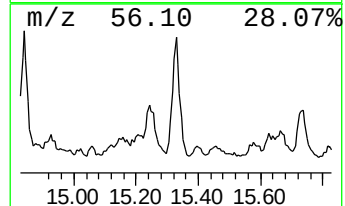
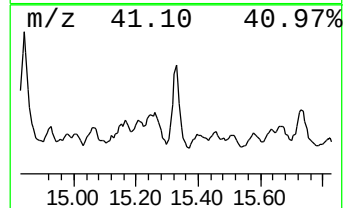
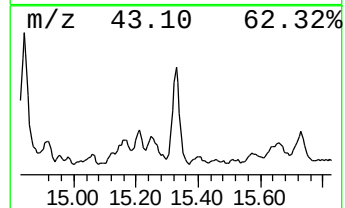
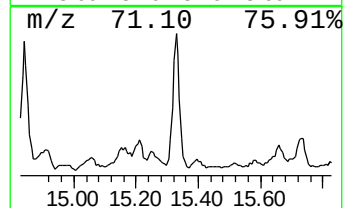
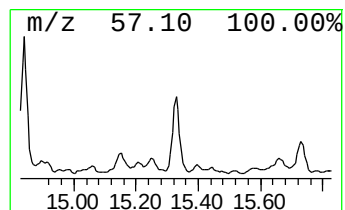
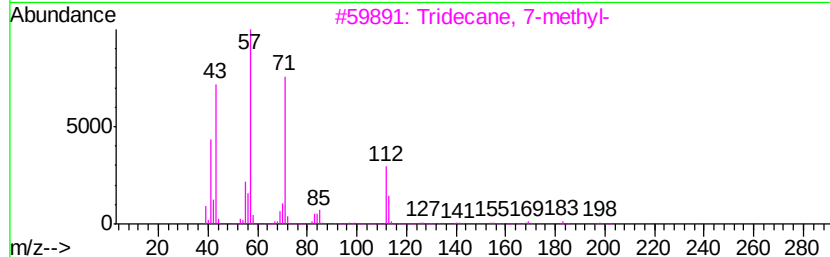
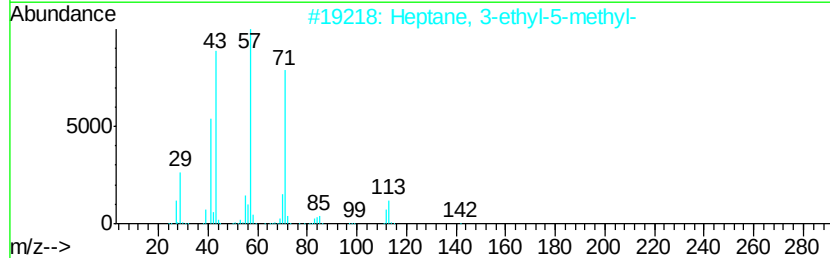
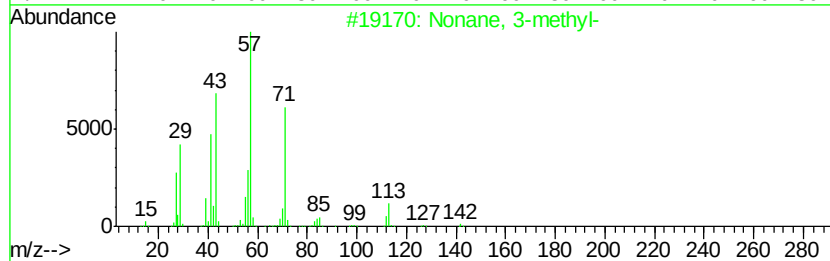
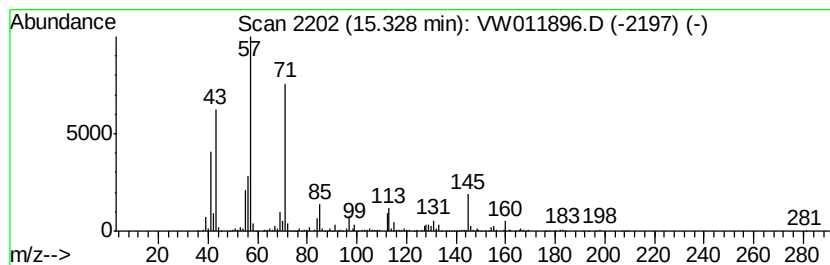
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	14.21 ug/L	317220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	81
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
3		Tridecane, 7-methyl-	198	C14H30	026730-14-3	62
4		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

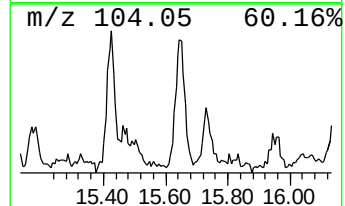
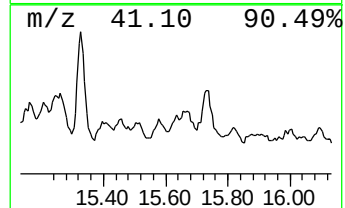
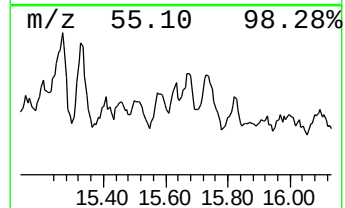
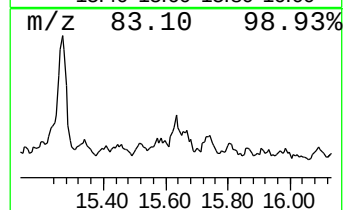
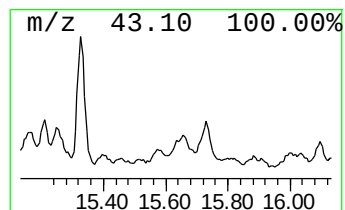
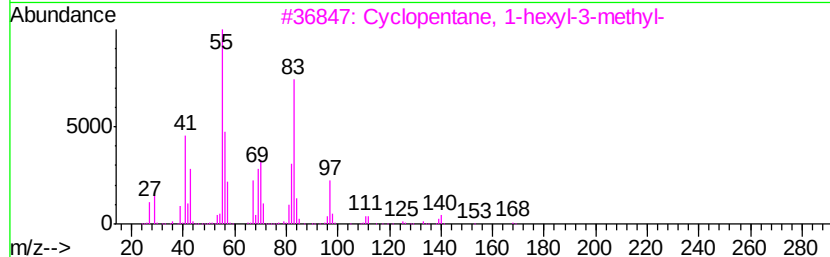
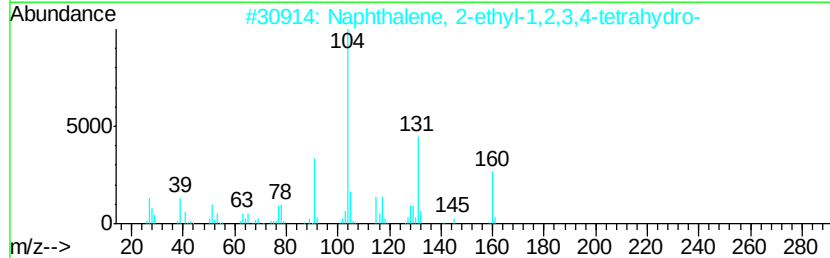
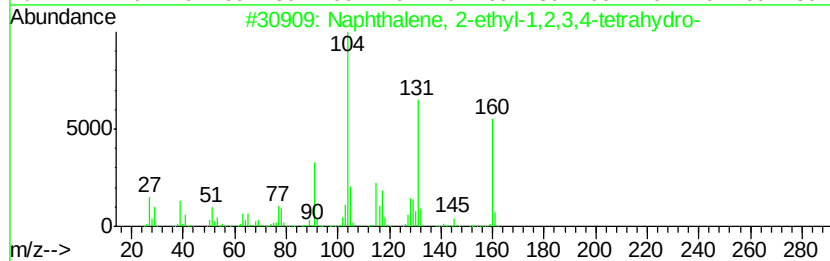
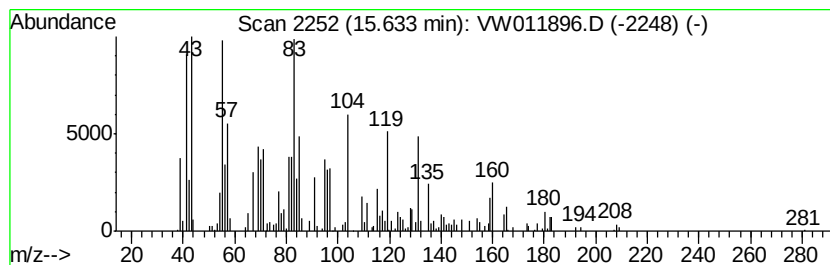
Instrument :
MSVOA_W
ClientSampled :
ETOC0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

Peak Number 29 unknown-04 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	2.11 ug/L	46990	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-ethyl-1,2,3,4-tet...	160 C12H16	032367-54-7 35
2		Naphthalene, 2-ethyl-1,2,3,4-tet...	160 C12H16	032367-54-7 35
3		Cyclopentane, 1-hexyl-3-methyl-	168 C12H24	061142-68-5 14
4		Cyclotridecane	182 C13H26	000295-02-3 11
5		6-Tridecene, (Z)-	182 C13H26	006508-77-6 11



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

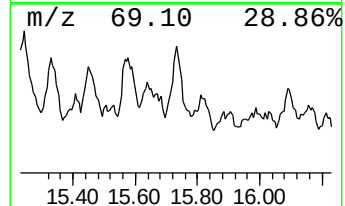
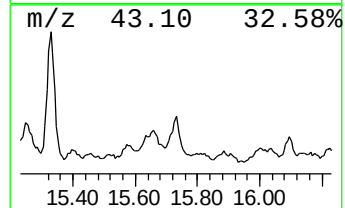
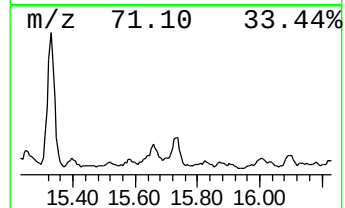
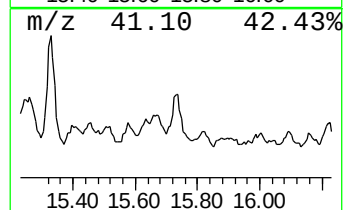
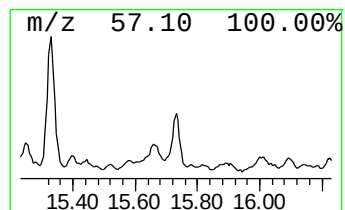
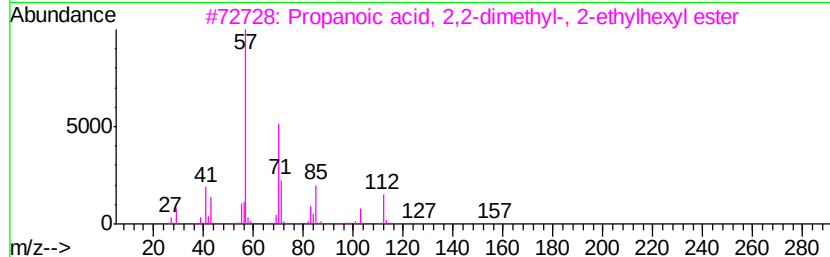
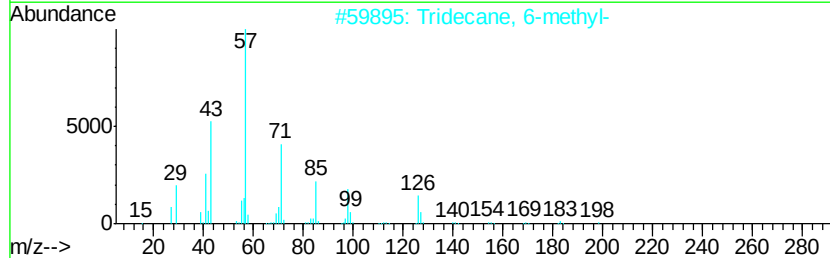
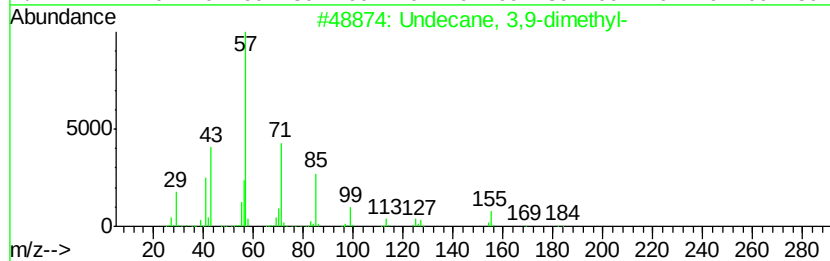
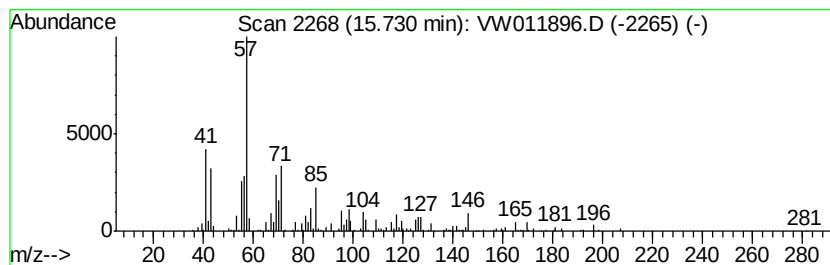
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	5.09 ug/L	113694	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	47
2			Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
3			Propanoic acid, 2,2-dimethyl-, 2...	214	C13H26O2	016387-18-1	43
4			Decane, 3-methyl-	156	C11H24	013151-34-3	43
5			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

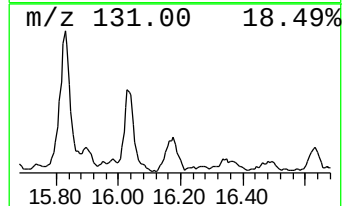
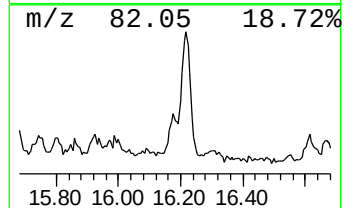
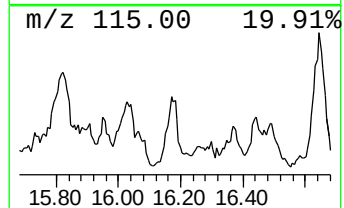
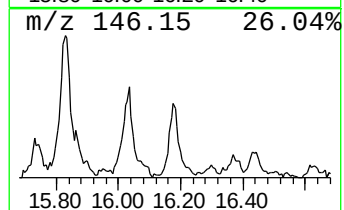
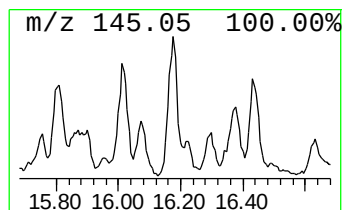
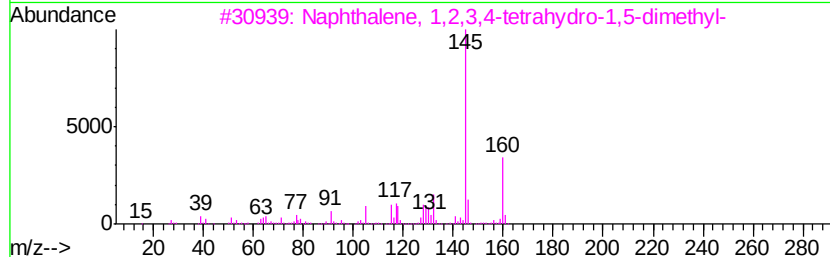
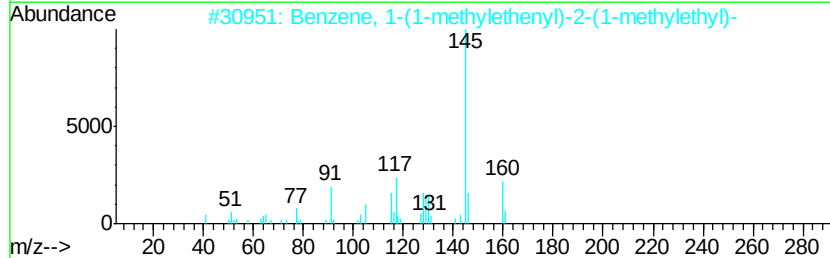
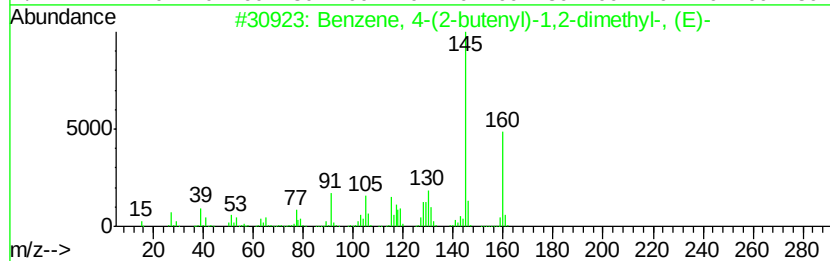
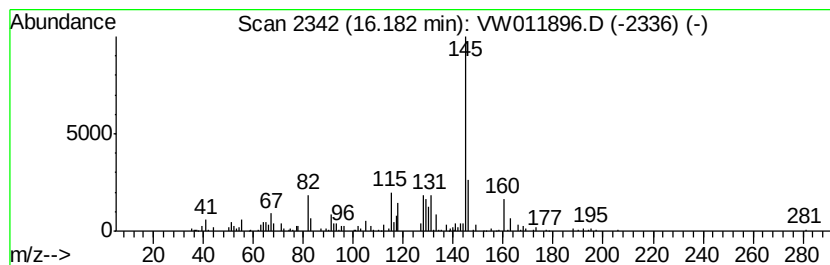
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 4-(2-butenyl)-1,2-... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	2.96 ug/L	66107	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	76
2		Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	76
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	72
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	68
5		1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

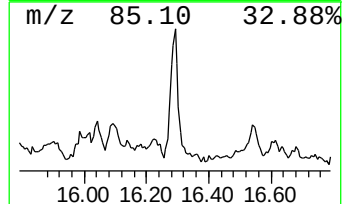
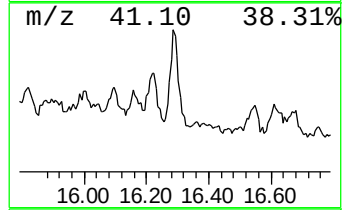
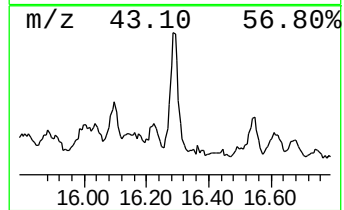
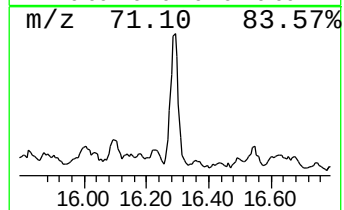
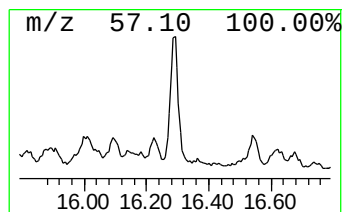
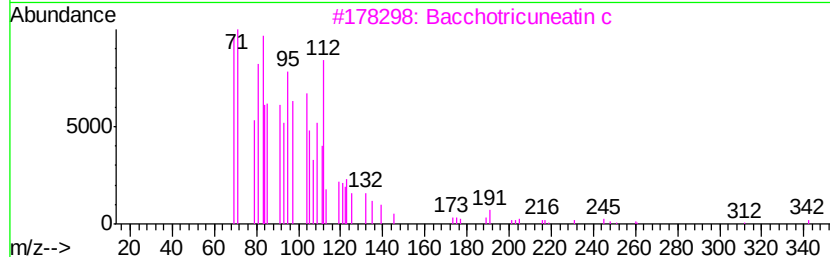
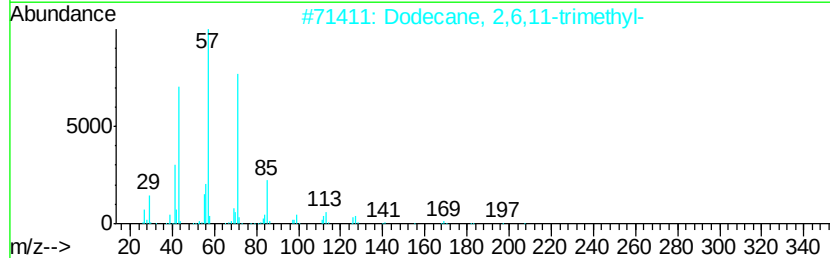
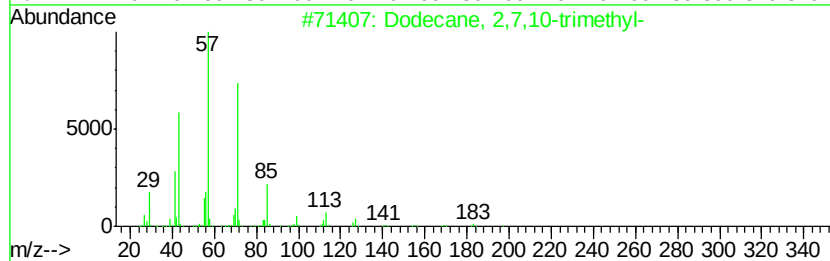
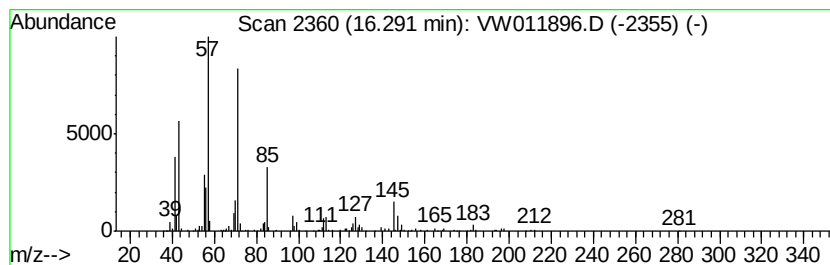
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Quant Title : VOC Analysis

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

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	7.61 ug/L	169741	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4			Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
5			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011896.D
Acq On : 13 Aug 2019 15:42
Operator : SY/VA
Sample : K4215-09
Misc : 5.51G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETOC0

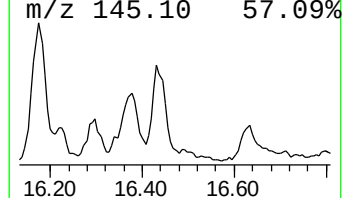
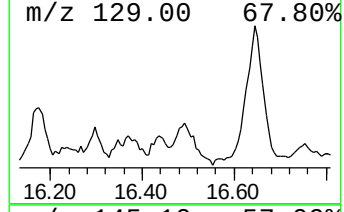
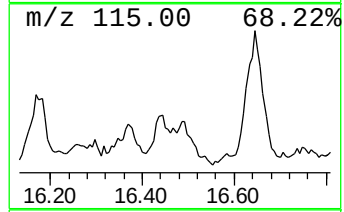
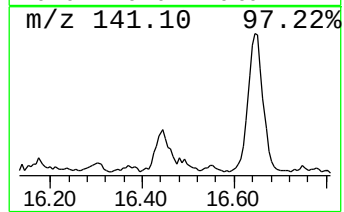
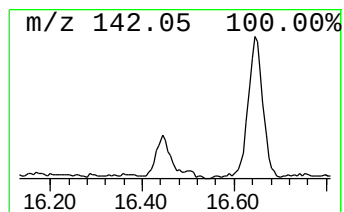
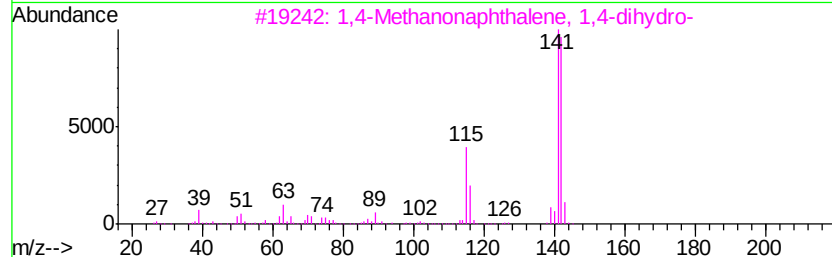
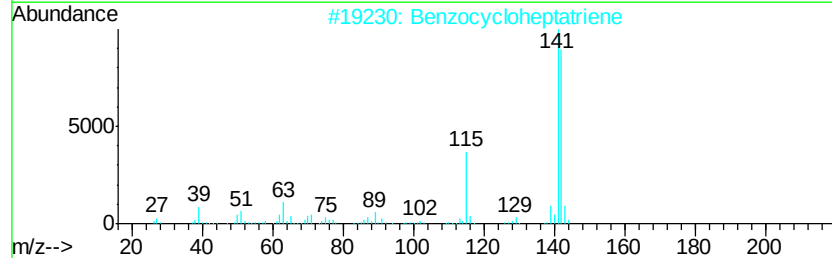
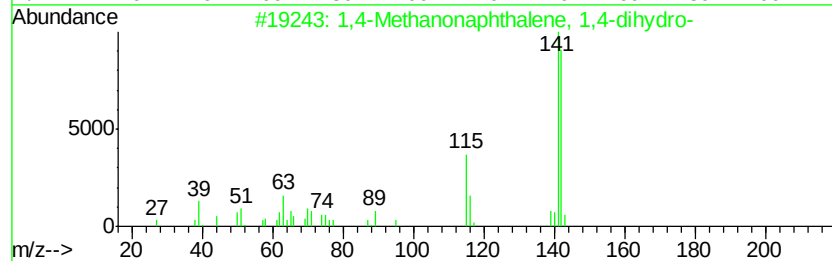
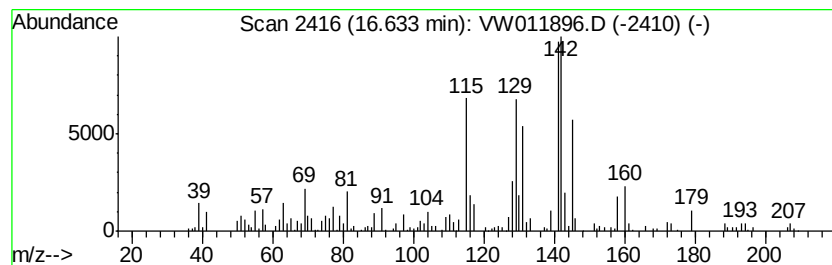
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Quant Title : VOC Analysis

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

Peak Number 33 unknown-05 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	10.57 ug/L	235956	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	46
2		Benzocycloheptatriene	142	C11H10	000264-09-5	46
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	43
4		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	43
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	43



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
 Data File : VW011896.D
 Acq On : 13 Aug 2019 15:42
 Operator : SY/VA
 Sample : K4215-09
 Misc : 5.51G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETOC0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	11.07	1.9	ug/L	71665	2	11.63	954028	25.0
Bicyclo[3.3.1]nonane	12.34	2.4	ug/L	91614	2	11.63	954028	25.0
(DEL) Alkane: Cyc...	12.78	2.7	ug/L	60056	3	13.56	557935	25.0
unknown-02	12.87	2.2	ug/L	49088	3	13.56	557935	25.0
2-Bromopropionic ...	12.94	3.7	ug/L	81727	3	13.56	557935	25.0
(DEL) Alkane: Str...	13.16	3.4	ug/L	75707	3	13.56	557935	25.0
(DEL) Alkane: Cyc...	13.44	2.6	ug/L	58522	3	13.56	557935	25.0
(DEL) Alkane: Cyc...	13.70	1.3	ug/L	28303	3	13.56	557935	25.0
(DEL) Alkane: Str...	14.04	3.5	ug/L	77808	3	13.56	557935	25.0
Benzene, 2-ethyl-...	14.10	2.2	ug/L	48919	3	13.56	557935	25.0
(DEL) Alkane: Str...	14.13	2.5	ug/L	54770	3	13.56	557935	25.0
1-Phenyl-1-butene	14.21	4.4	ug/L	98817	3	13.56	557935	25.0
Adamantane	14.26	4.0	ug/L	89422	3	13.56	557935	25.0
(DEL) Alkane: Str...	14.35	8.2	ug/L	183569	3	13.56	557935	25.0
Cyclohexane, 2-pr...	14.39	4.7	ug/L	104875	3	13.56	557935	25.0
Benzene, 1,2,3,4-...	14.46	4.0	ug/L	90148	3	13.56	557935	25.0
Benzene, 1,4-diet...	14.50	3.5	ug/L	77204	3	13.56	557935	25.0
Naphthalene, deca...	14.55	7.0	ug/L	155972	3	13.56	557935	25.0
unknown-03	14.74	3.3	ug/L	73225	3	13.56	557935	25.0
o-Cymene	14.80	11.8	ug/L	263050	3	13.56	557935	25.0
(DEL) Alkane: Str...	14.84	15.6	ug/L	349018	3	13.56	557935	25.0
Benzene, (1,2-dim...	15.07	15.2	ug/L	340033	3	13.56	557935	25.0
Benzene, (2-methy...	15.18	20.6	ug/L	459354	3	13.56	557935	25.0
(DEL) Alkane: Str...	15.33	14.2	ug/L	317220	3	13.56	557935	25.0
unknown-04	15.63	2.1	ug/L	46990	3	13.56	557935	25.0
(DEL) Alkane: Str...	15.73	5.1	ug/L	113694	3	13.56	557935	25.0
Benzene, 4-(2-but...	16.18	3.0	ug/L	66107	3	13.56	557935	25.0
(DEL) Alkane: Str...	16.29	7.6	ug/L	169741	3	13.56	557935	25.0
unknown-05	16.63	10.6	ug/L	235956	3	13.56	557935	25.0