

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010066.D
 Acq On : 19 Apr 2019 14:49
 Operator : SY/VA
 Sample : K2455-16
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR6

Integration Parameters: LSCINT.P

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

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	6	10	15	rVB4	9503	20153	0.03%	0.005%
2	2.093	28	31	32	rBV2	2341	3234	0.01%	0.001%
3	2.154	38	41	46	rBV3	11909	22855	0.04%	0.006%
4	2.288	61	63	64	rBV2	3726	2525	0.00%	0.001%
5	2.355	68	74	87	rBV	87474	245853	0.40%	0.065%
6	2.885	154	161	174	rBV2	76532	230090	0.38%	0.060%
7	3.129	199	201	204	rVB3	3613	3437	0.01%	0.001%
8	3.593	275	277	281	rBV5	2470	2172	0.00%	0.001%
9	3.733	297	300	303	rVB5	1898	2124	0.00%	0.001%
10	3.794	309	310	312	rBV2	1414	1170	0.00%	0.000%
11	3.836	312	317	320	rVV7	3237	5440	0.01%	0.001%
12	4.013	332	346	359	rBV2	203886	721498	1.18%	0.190%
13	4.123	359	364	372	rVB	15907	43010	0.07%	0.011%
14	4.275	387	389	391	rVB3	1288	960	0.00%	0.000%
15	4.300	391	393	397	rVB5	1495	1995	0.00%	0.001%
16	4.349	397	401	402	rBV4	2210	2227	0.00%	0.001%
17	4.385	402	407	408	rBV5	7141	8438	0.01%	0.002%
18	4.538	429	432	433	rBV2	1090	969	0.00%	0.000%
19	4.556	433	435	436	rVB2	1568	941	0.00%	0.000%
20	4.574	436	438	440	rBV3	1547	1447	0.00%	0.000%
21	4.599	440	442	444	rVB3	1163	1034	0.00%	0.000%
22	4.641	446	449	452	rVB5	1398	1422	0.00%	0.000%
23	4.702	457	459	461	rVB3	1604	1305	0.00%	0.000%
24	4.745	465	466	470	rVB4	1219	1172	0.00%	0.000%
25	4.909	481	493	515	rVB2	57257	239194	0.39%	0.063%
26	5.062	515	518	520	rVB3	2188	2714	0.00%	0.001%
27	5.092	520	523	526	rBV5	1210	1831	0.00%	0.000%
28	5.129	526	529	531	rVB4	1022	954	0.00%	0.000%
29	5.153	531	533	535	rBV3	1642	1390	0.00%	0.000%
30	5.178	535	537	539	rBV3	795	979	0.00%	0.000%
31	5.281	552	554	556	rVB3	1024	874	0.00%	0.000%
32	5.306	556	558	559	rVB2	1422	910	0.00%	0.000%
33	5.342	559	564	565	rBV4	1976	2646	0.00%	0.001%
34	5.391	569	572	575	rBV4	2132	2551	0.00%	0.001%

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35	5.428	577	578	580	rBV2	1638	1550	0.00%	0.000%
36	5.464	583	584	588	rVB4	1749	1678	0.00%	0.000%
37	5.513	588	592	593	rVB3	882	997	0.00%	0.000%
38	5.550	593	598	600	rBV5	1487	1933	0.00%	0.001%
39	5.580	600	603	604	rBV3	882	888	0.00%	0.000%
40	5.671	615	618	619	rBV3	1294	1040	0.00%	0.000%
41	5.696	619	622	624	rVB3	1497	1442	0.00%	0.000%
42	5.720	624	626	628	rBV3	1118	1144	0.00%	0.000%
43	5.757	628	632	633	rBV3	1375	1635	0.00%	0.000%
44	5.787	633	637	640	rVB6	1961	2833	0.00%	0.001%
45	5.928	651	660	670	rBV5	17690	52692	0.09%	0.014%
46	6.043	676	679	681	rBV4	1972	2794	0.00%	0.001%
47	6.110	684	690	695	rBV10	3036	7628	0.01%	0.002%
48	6.178	700	701	705	rVB4	1132	1111	0.00%	0.000%
49	6.220	705	708	712	rBV6	1991	2934	0.00%	0.001%
50	6.281	715	718	722	rVB5	1788	2132	0.00%	0.001%
51	6.312	722	723	726	rBV3	1011	865	0.00%	0.000%
52	6.385	733	735	737	rBV3	1525	1715	0.00%	0.000%
53	6.488	750	752	755	rVB4	2001	1715	0.00%	0.000%
54	6.519	755	757	759	rBV3	2956	2637	0.00%	0.001%
55	6.677	781	783	784	rBV2	1854	1246	0.00%	0.000%
56	6.714	787	789	793	rVB5	2482	2664	0.00%	0.001%
57	6.751	793	795	799	rBV5	1893	2687	0.00%	0.001%
58	6.812	804	805	806	rVB	2256	825	0.00%	0.000%
59	6.854	809	812	814	rBV4	2259	3129	0.01%	0.001%
60	7.080	841	849	859	rBV	80617	229449	0.38%	0.060%
61	7.220	870	872	873	rBV2	3014	1738	0.00%	0.000%
62	7.250	875	877	889	rVB4	7104	21646	0.04%	0.006%
63	7.647	933	942	950	rBV	370111	914797	1.50%	0.240%
64	8.269	1036	1044	1059	rBV2	696175	2143354	3.52%	0.563%
65	8.842	1131	1138	1145	rBV	752926	1472371	2.42%	0.387%
66	9.274	1202	1209	1217	rBV	482599	979607	1.61%	0.257%
67	10.037	1328	1334	1339	rBV	284365	551888	0.91%	0.145%
68	10.134	1346	1350	1355	rVB	117942	193781	0.32%	0.051%
69	10.323	1375	1381	1387	rBV	815433	1428151	2.35%	0.375%
70	10.579	1419	1423	1428	rVB	167979	256752	0.42%	0.067%
71	10.927	1476	1480	1489	rBV	325760	540552	0.89%	0.142%

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72	11.628	1591	1595	1609	rVB	871780	1760247	2.89%	0.463%
73	12.890	1789	1802	1803	rBV	2647402	8022405	13.17%	2.108%
74	13.195	1847	1852	1859	rBV4	740116	1738543	2.85%	0.457%
75	13.329	1860	1874	1887	rBV5	3286553	20311513	33.35%	5.338%
76	13.627	1919	1923	1928	rBV4	1228054	2741953	4.50%	0.721%
77	13.701	1929	1935	1939	rVV3	3938590	6987354	11.47%	1.836%
78	13.883	1959	1965	1970	rBV2	7629954	14004470	23.00%	3.680%
79	13.938	1971	1974	1977	rBV4	1149241	1610264	2.64%	0.423%
80	13.987	1978	1982	1984	rBV4	2396785	3950716	6.49%	1.038%
81	14.072	1993	1996	1998	rBV	1552290	2135039	3.51%	0.561%
82	14.274	2025	2029	2034	rBV5	2988824	5358807	8.80%	1.408%
83	14.328	2035	2038	2041	rBV3	2663397	3511652	5.77%	0.923%
84	14.389	2043	2048	2053	rVB	12759557	20309989	33.35%	5.338%
85	14.444	2053	2057	2063	rVB5	2427232	4269522	7.01%	1.122%
86	14.499	2063	2066	2070	rBV3	2276255	3822304	6.28%	1.005%
87	14.554	2070	2075	2080	rBV3	15015553	25313407	41.57%	6.653%
88	14.609	2081	2084	2090	rVB4	3556915	5552739	9.12%	1.459%
89	14.670	2090	2094	2098	rBV	4598966	7797736	12.81%	2.049%
90	14.749	2103	2107	2113	rBV3	5867700	10849361	17.82%	2.851%
91	14.810	2113	2117	2119	rBV2	5762389	8653707	14.21%	2.274%
92	14.853	2120	2124	2131	rVB	28429058	46340318	76.10%	12.179%
93	14.932	2134	2137	2141	rBV2	5387202	7396622	12.15%	1.944%
94	14.981	2142	2145	2148	rBV	5414400	6647169	10.92%	1.747%
95	15.340	2199	2204	2210	rVB	37087675	60895066	100.00%	16.004%
96	15.408	2210	2215	2220	rBV4	7817661	17875753	29.36%	4.698%
97	15.584	2240	2244	2250	rVB5	6521439	14340701	23.55%	3.769%
98	15.639	2251	2253	2257	rBV2	3299022	4533396	7.44%	1.191%
99	15.749	2265	2271	2278	rVB5	18088020	37518799	61.61%	9.860%
100	16.298	2358	2361	2369	rVB3	7666252	15842697	26.02%	4.164%

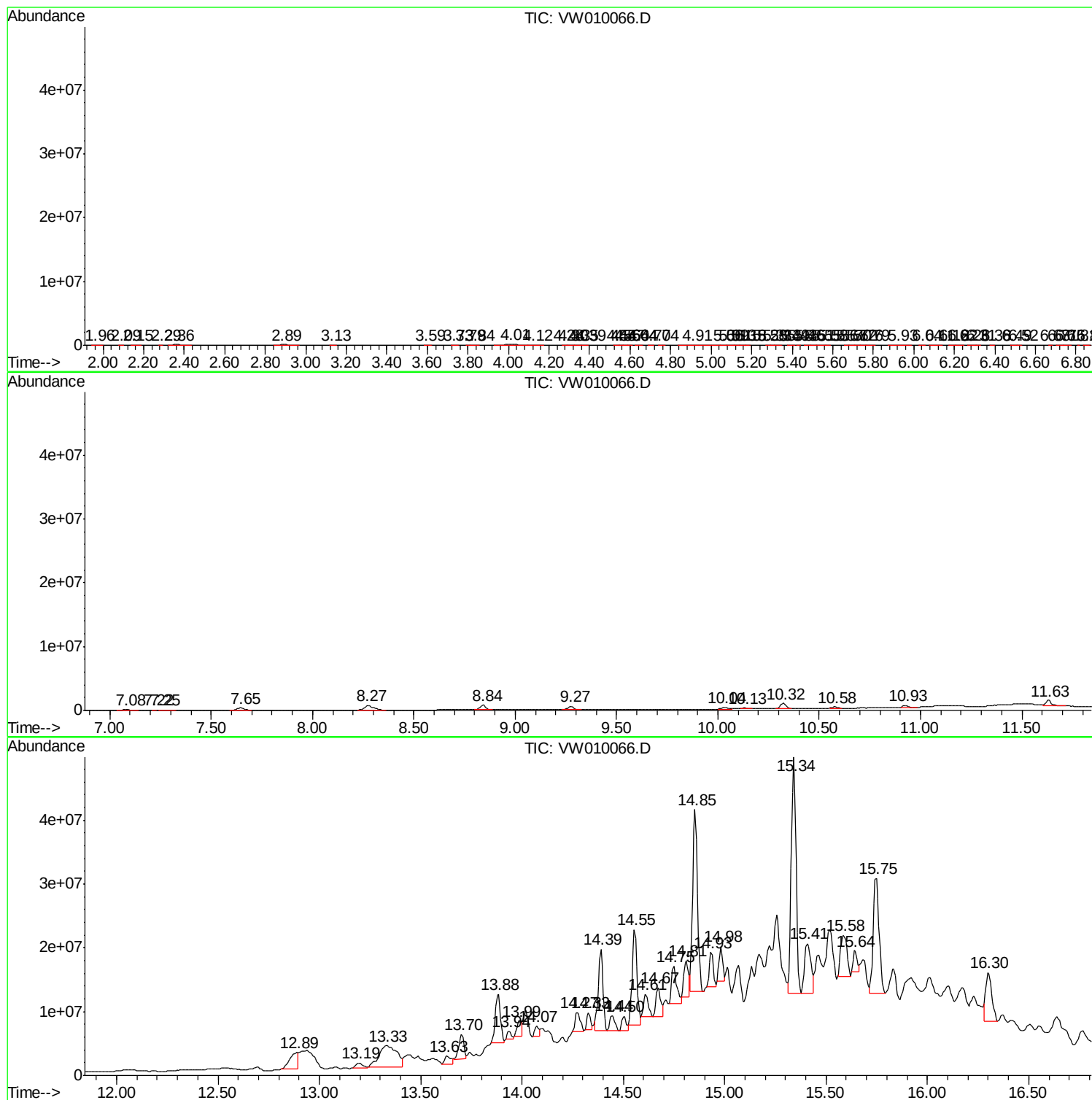
Sum of corrected areas: 380507763

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

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



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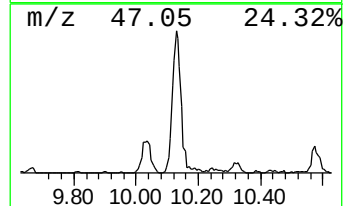
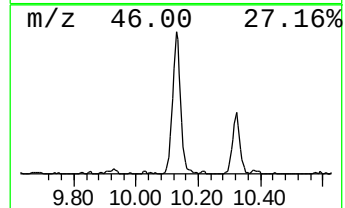
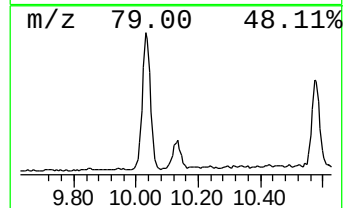
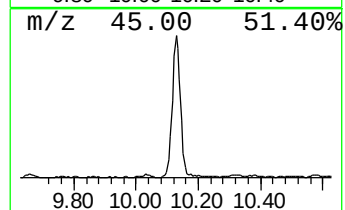
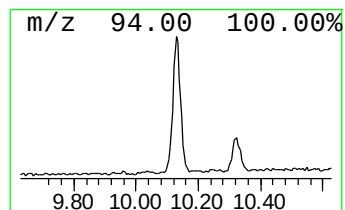
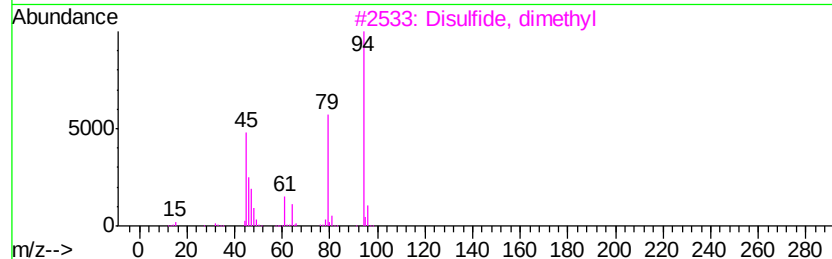
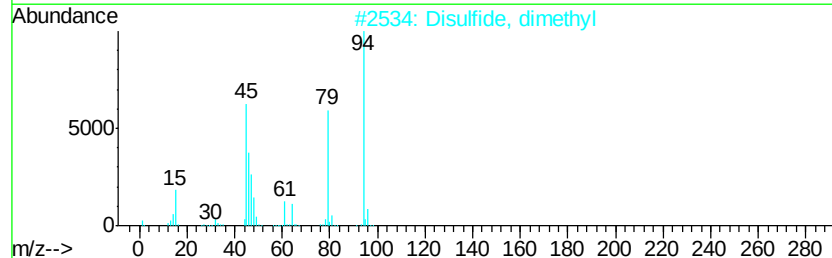
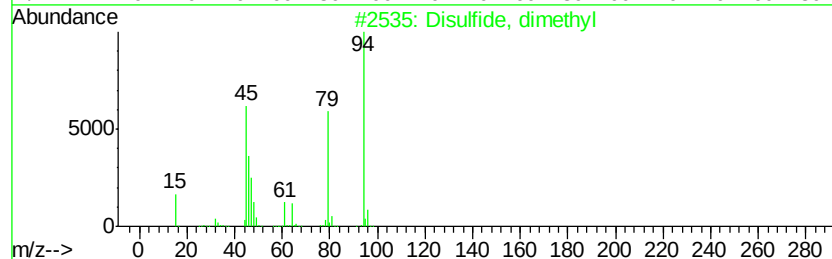
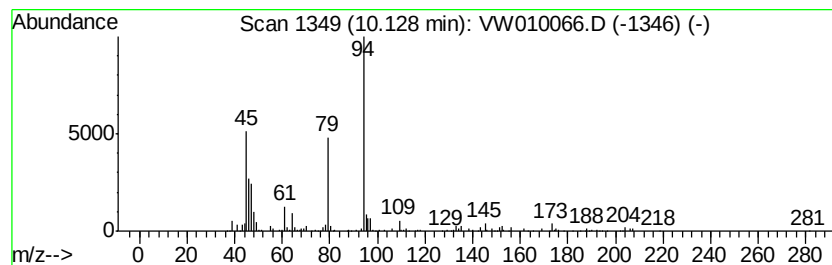
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 2 Disulfide, dimethyl Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	3.29 ug/L	193781	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Disulfide, dimethyl	94	C2H6S2	000624-92-0	95
2		Disulfide, dimethyl	94	C2H6S2	000624-92-0	95
3		Disulfide, dimethyl	94	C2H6S2	000624-92-0	93
4		Disulfide, dimethyl	94	C2H6S2	000624-92-0	93
5		Disulfide, dimethyl	94	C2H6S2	000624-92-0	93



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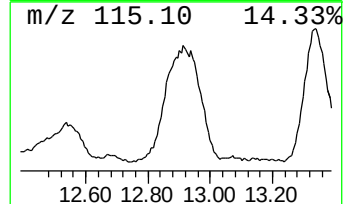
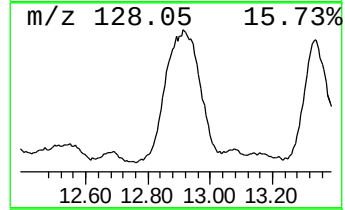
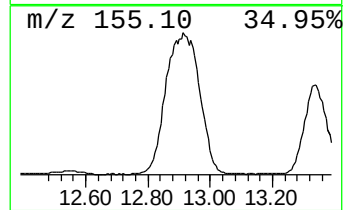
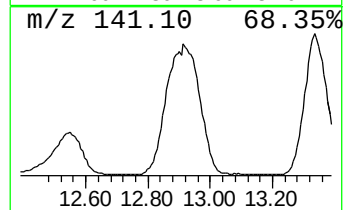
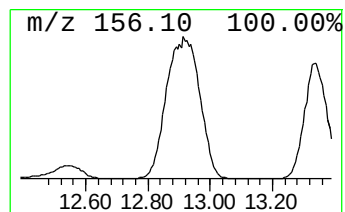
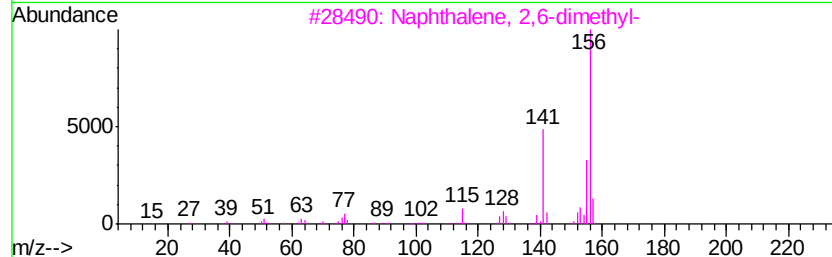
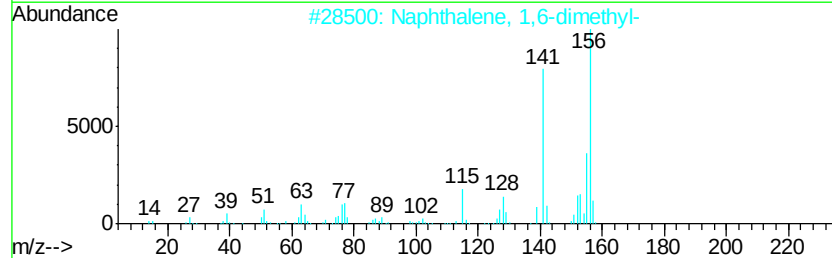
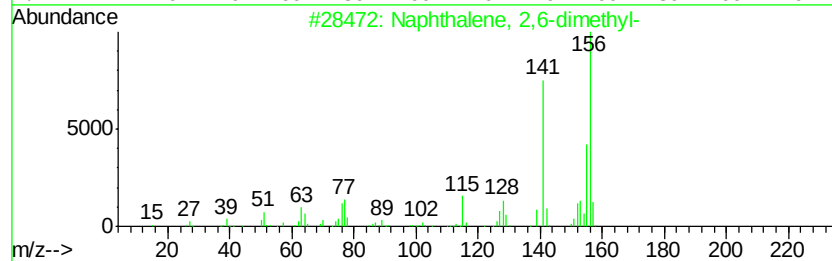
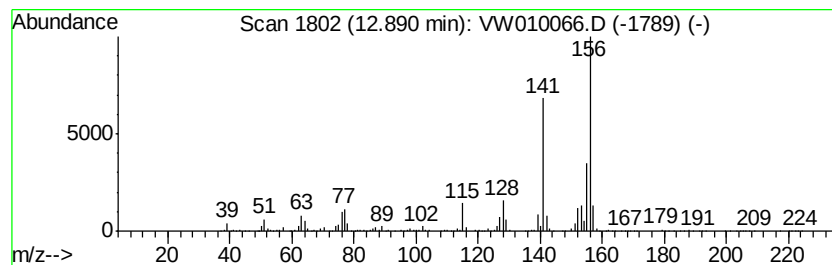
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Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	73.15 ug/L	8022410	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 98
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
5		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97



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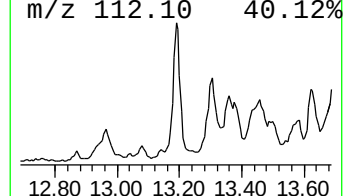
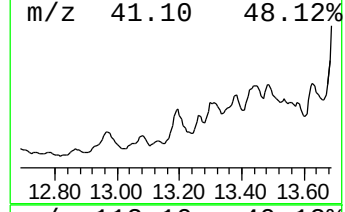
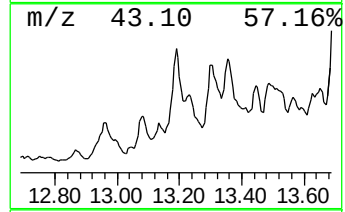
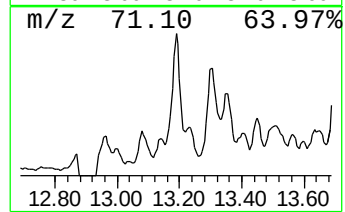
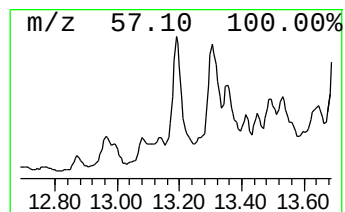
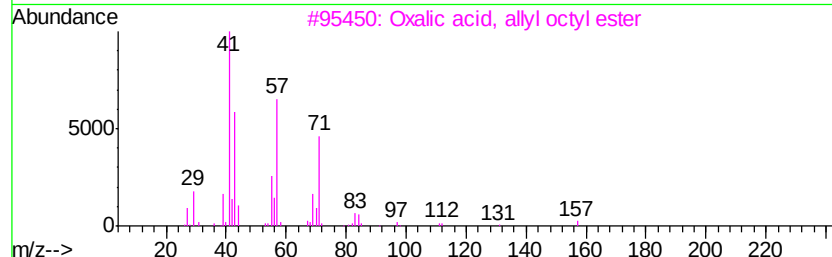
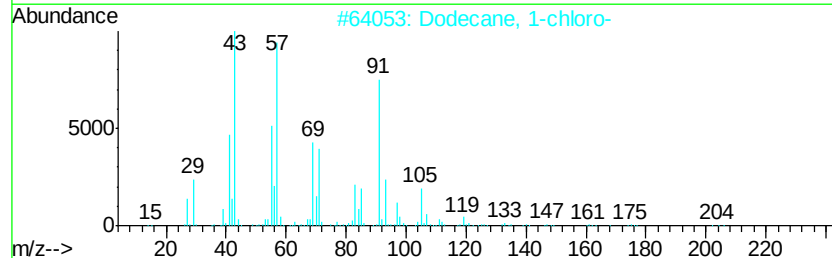
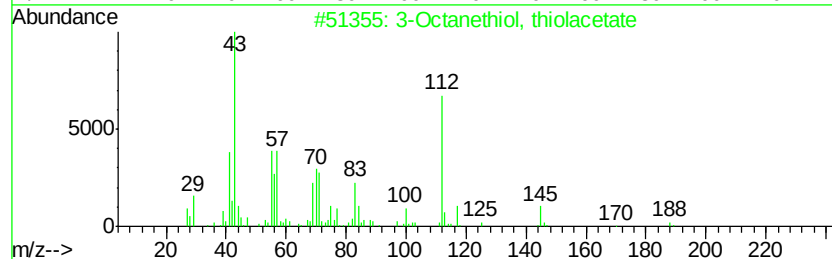
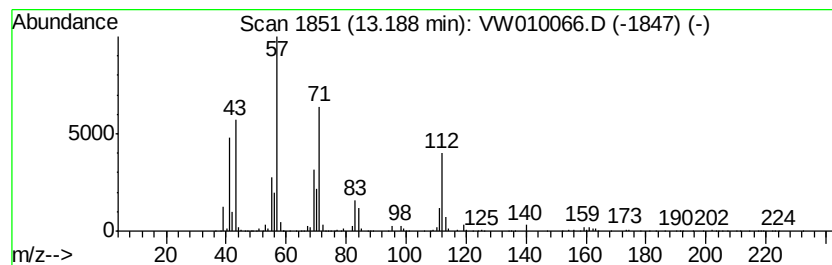
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 Quant Title : VOC Analysis

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 Peak Number 4 3-Octanethiol, thiolacetate Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	15.85 ug/L	1738540	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		3-Octanethiol, thiolacetate	188	C10H20OS	1000141-65-5	50
2		Dodecane, 1-chloro-	204	C12H25Cl	000112-52-7	49
3		Oxalic acid, allyl octyl ester	242	C13H22O4	1000309-23-6	43
4		Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	43
5		1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

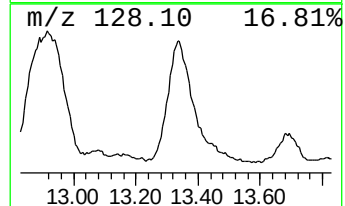
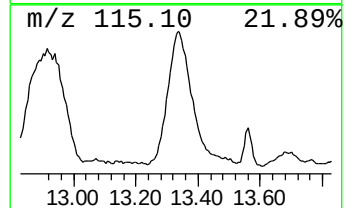
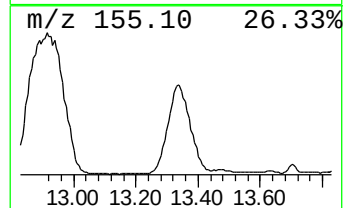
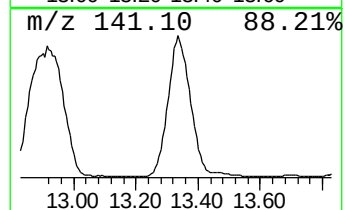
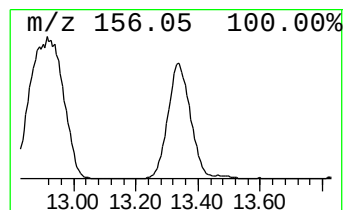
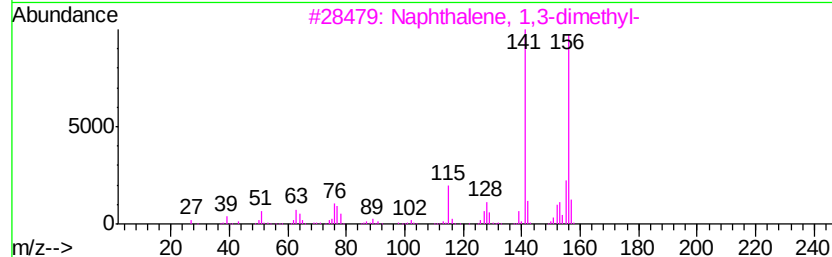
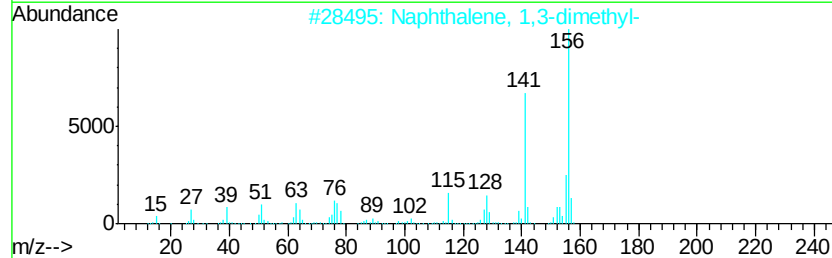
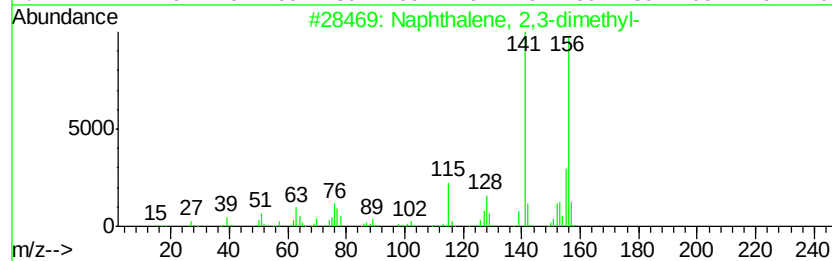
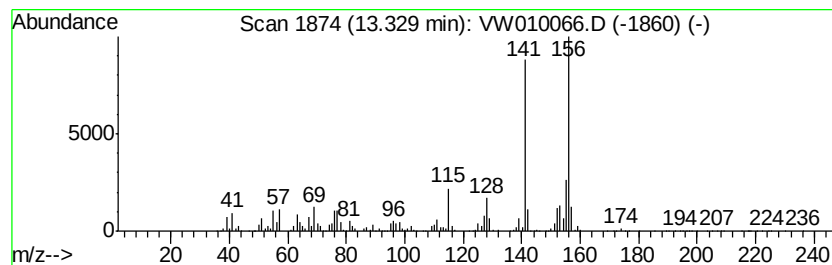
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Quant Title : VOC Analysis

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

Peak Number 5 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	185.19 ug/L	20311500	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

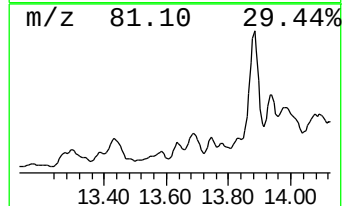
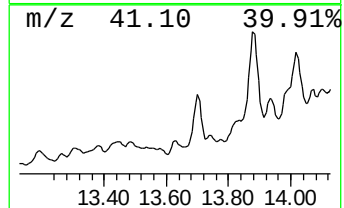
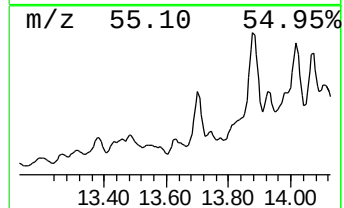
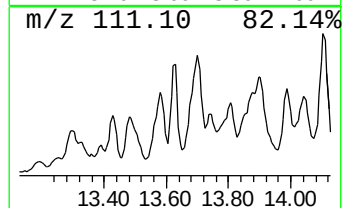
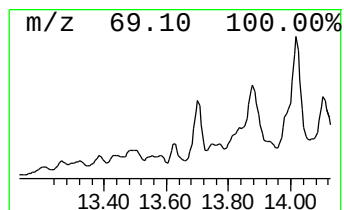
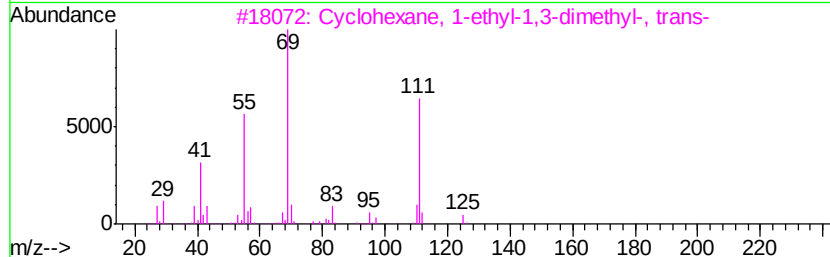
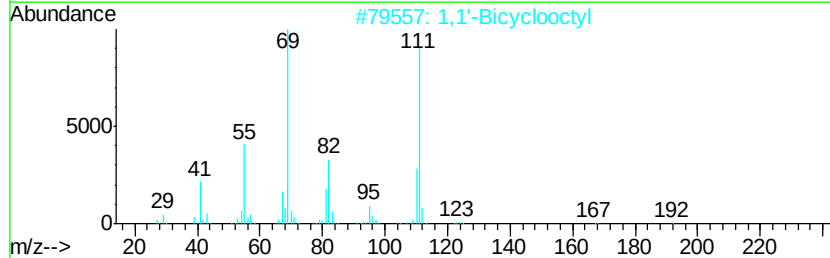
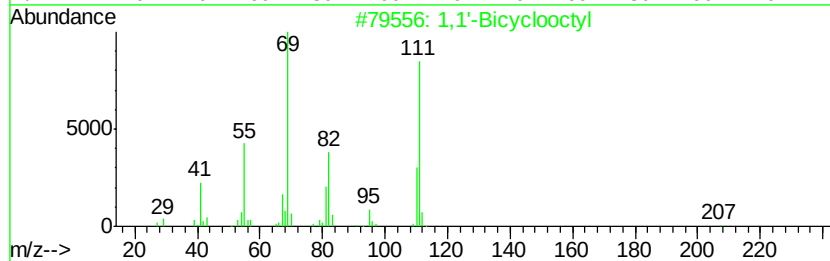
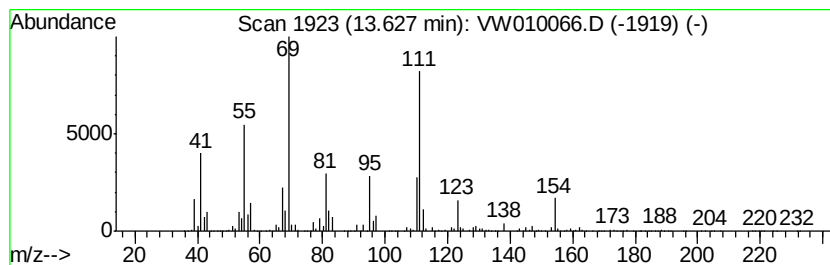
Instrument :
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ClientSampled :
GAHR6

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

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

Peak Number 6 1,1'-Bicyclooctyl Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	25.00 ug/L	2741950	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1,1'-Bicyclooctyl	222 C16H30	006708-17-4 64
2		1,1'-Bicyclooctyl	222 C16H30	006708-17-4 64
3		Cyclohexane, 1-ethyl-1,3-dimethyl...	140 C10H20	062238-29-3 59
4		Cyclooctane, (1-methylpropyl)-	168 C12H24	016538-89-9 53
5		Cyclohexane, 1,4-dimethyl-2-(2-m...	168 C12H24	054411-17-5 53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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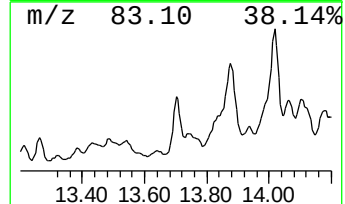
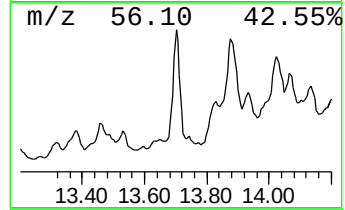
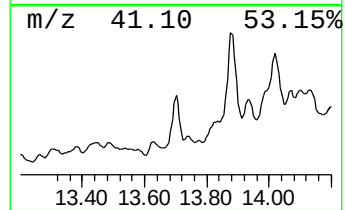
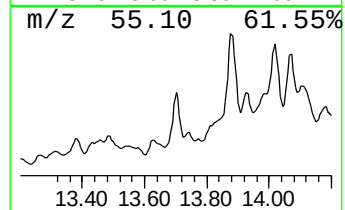
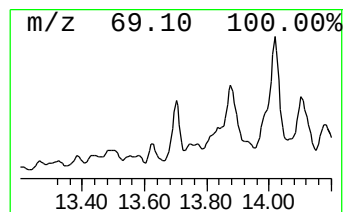
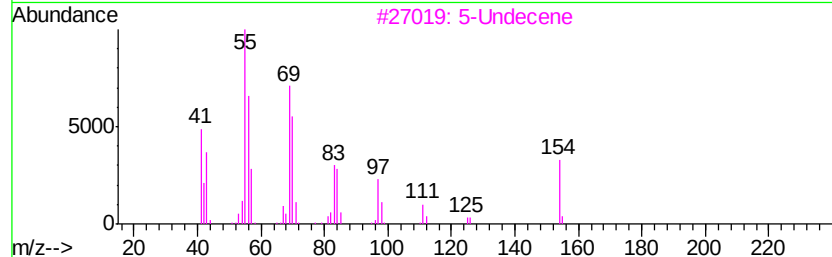
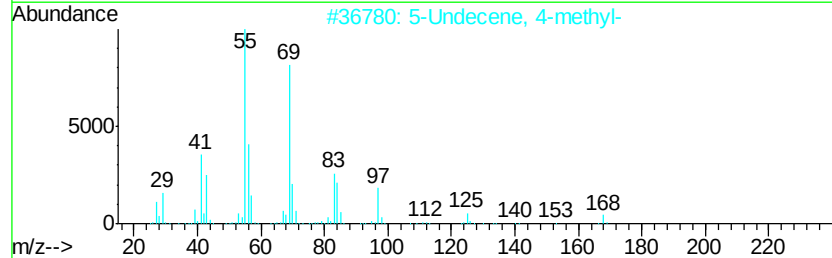
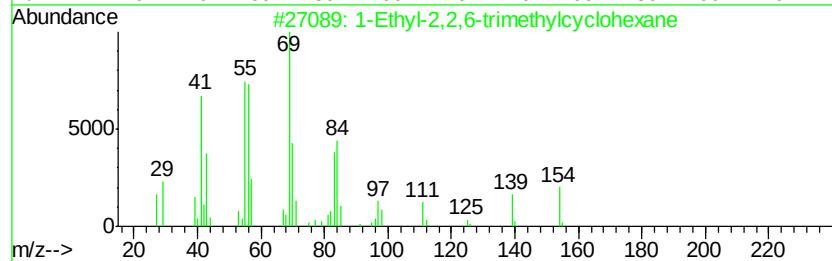
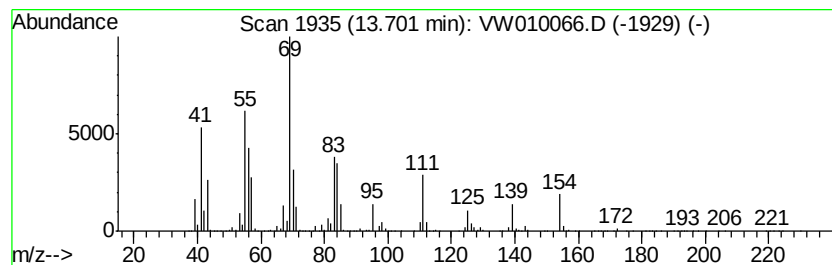
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Quant Title : VOC Analysis

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

Peak Number 7 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	63.71 ug/L	6987350	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	87
2		5-Undecene, 4-methyl-	168	C12H24	143185-91-5	53
3		5-Undecene	154	C11H22	004941-53-1	49
4		1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	46
5		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
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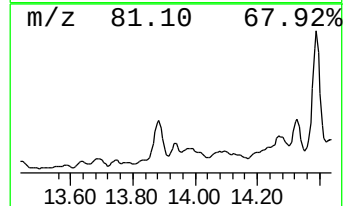
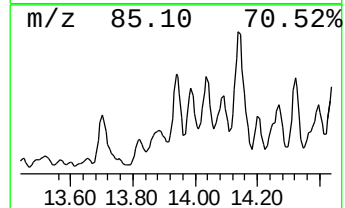
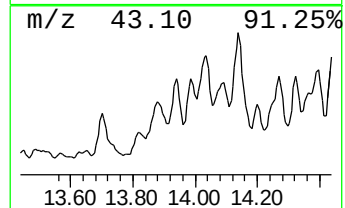
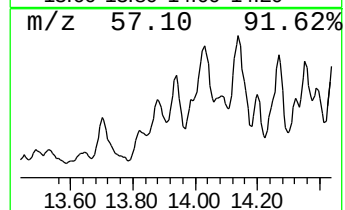
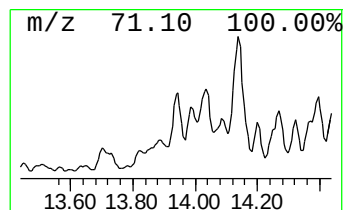
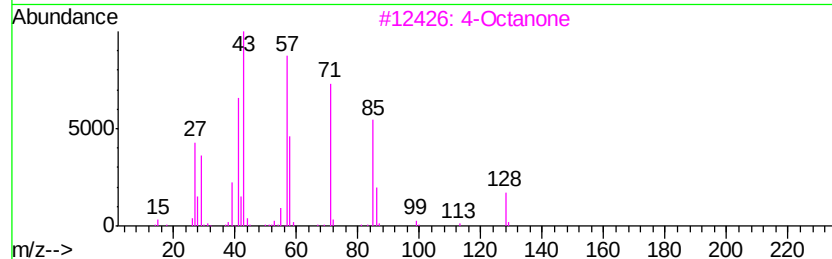
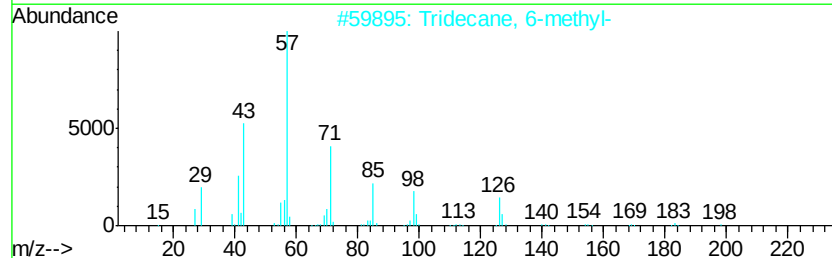
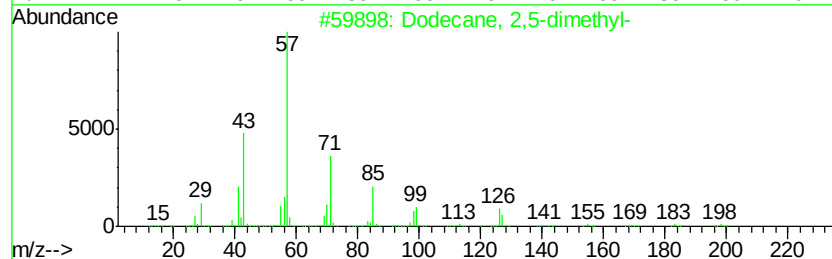
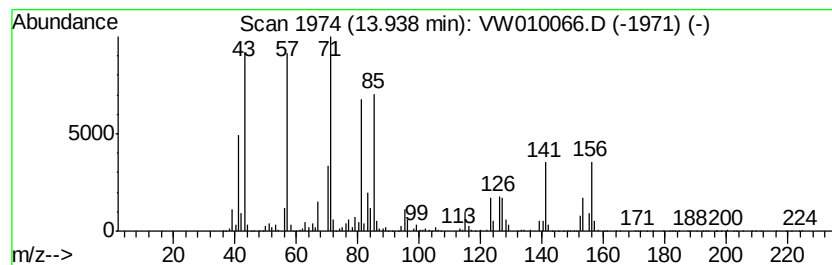
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	14.68 ug/L	1610260	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	60
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	49
3		4-Octanone	128	C8H16O	000589-63-9	49
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
5		1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
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Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

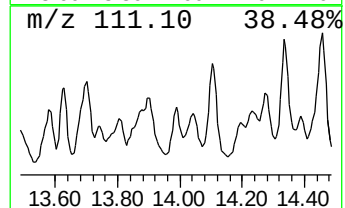
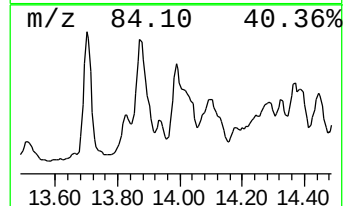
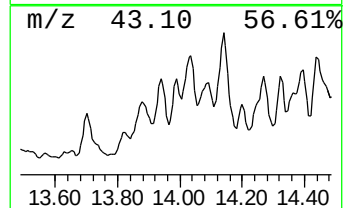
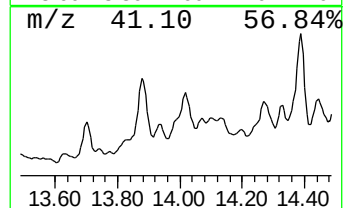
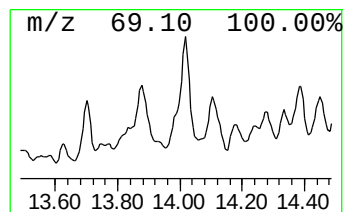
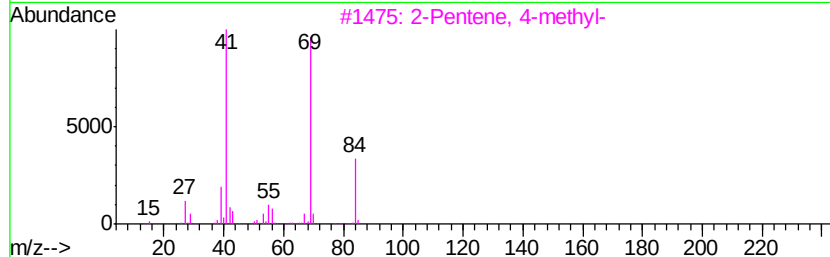
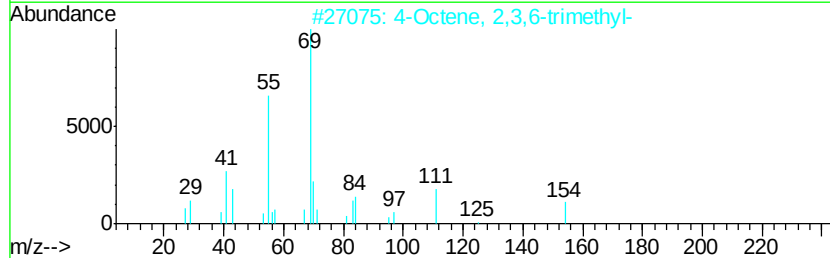
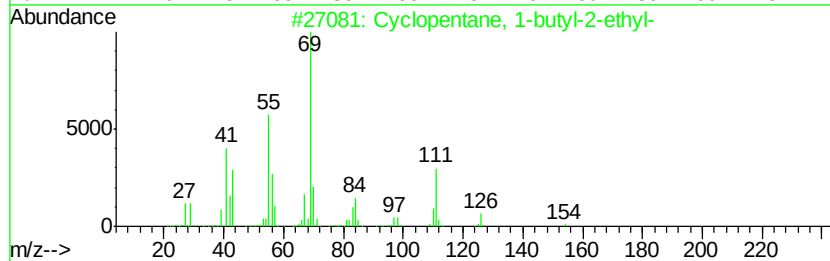
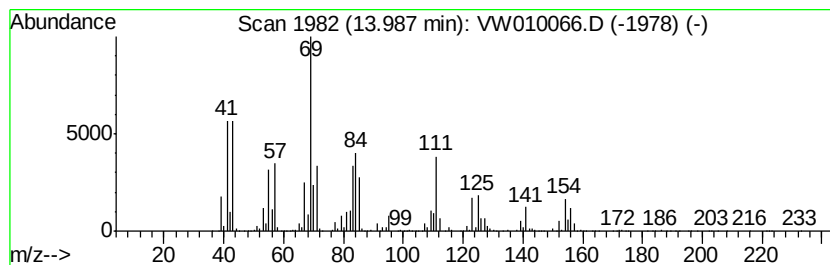
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic13.99 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.99	36.02 ug/L	3950720	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	47
2	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	43
4	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	43
5	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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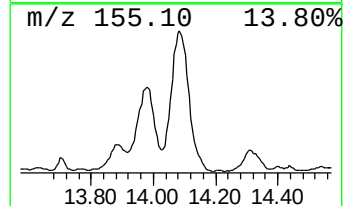
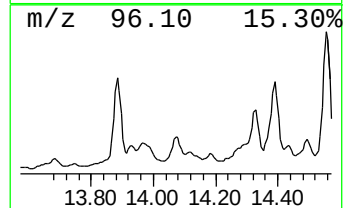
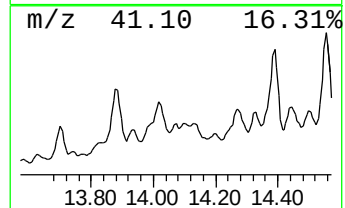
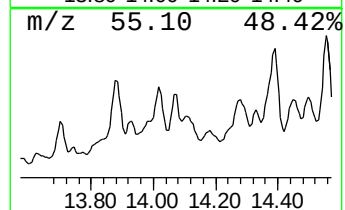
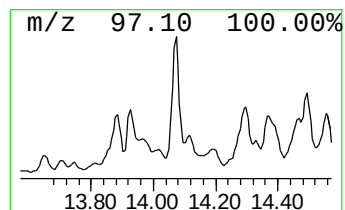
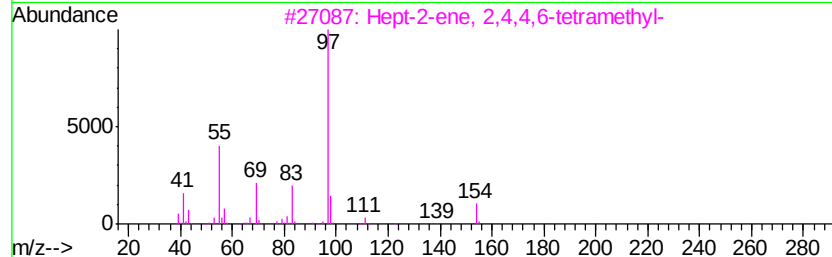
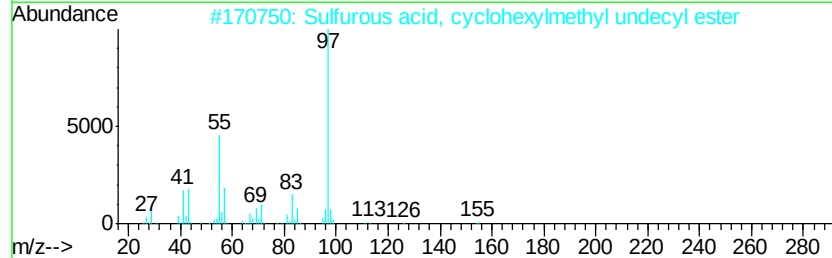
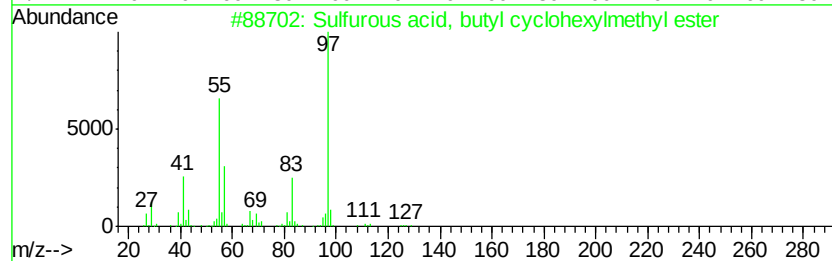
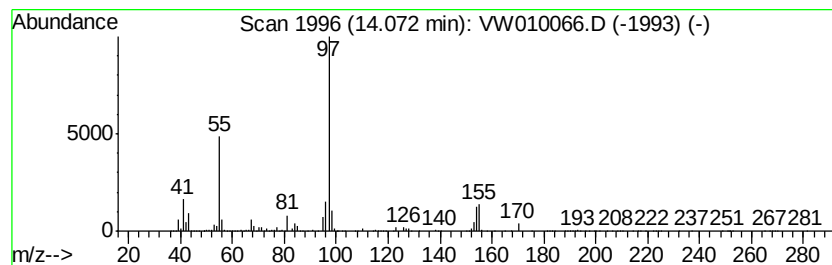
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Quant Title : VOC Analysis

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

Peak Number 10 Sulfurous acid, butyl cyclo... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	19.47 ug/L	2135040	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	59
2		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	59
3		Hept-2-ene, 2,4,4,6-tetramethyl-	154	C11H22	103982-58-7	53
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	53
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
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Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

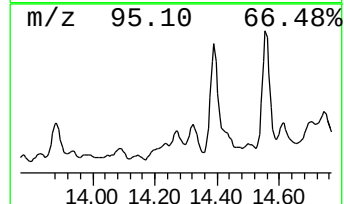
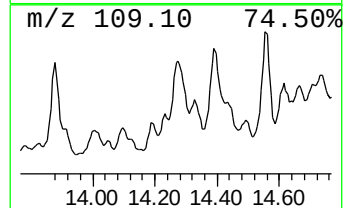
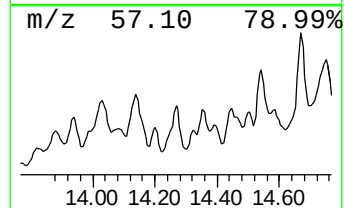
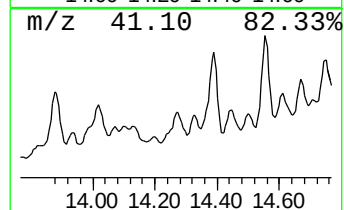
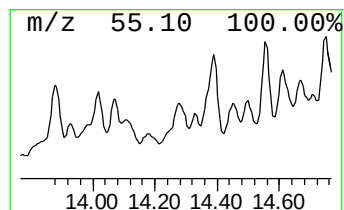
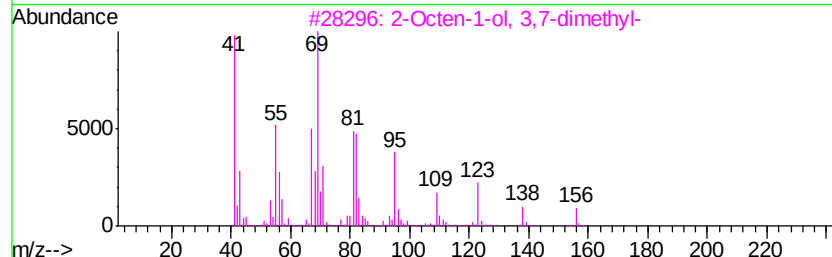
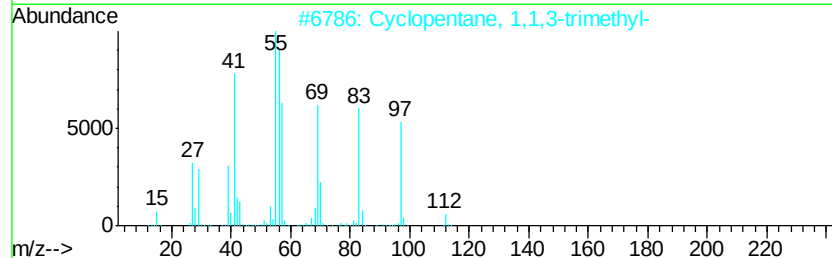
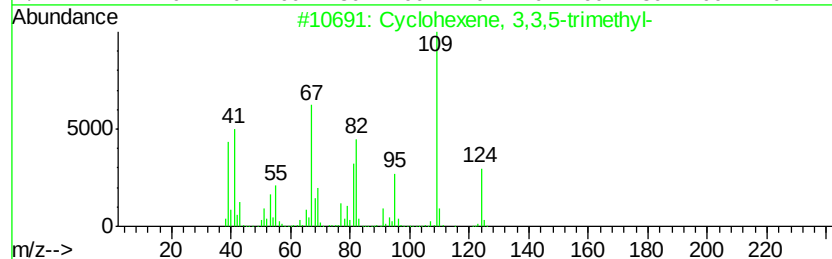
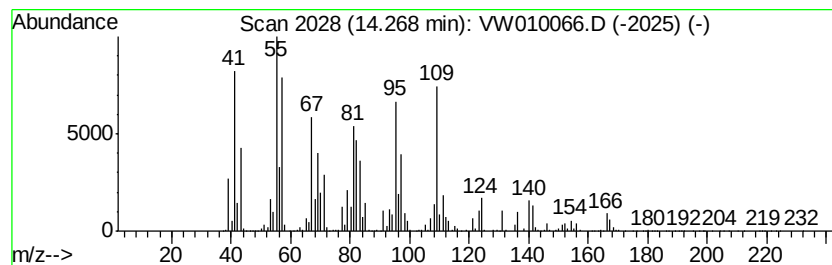
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 11 Cyclohexene, 3,3,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.27	48.86 ug/L	5358810	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	50
2	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	44
3	2-Octen-1-ol, 3,7-dimethyl-	156	C10H20O	040607-48-5	30
4	Bicyclo[3.1.1]heptane-2-carboxal...	152	C10H16O	004764-14-1	30
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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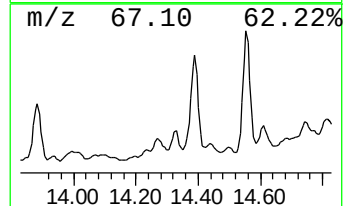
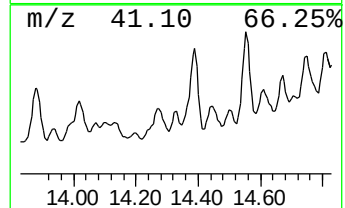
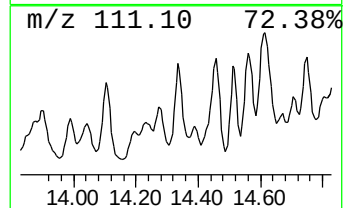
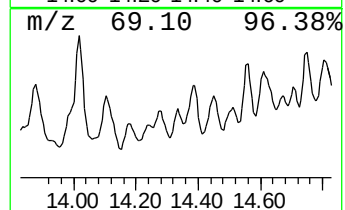
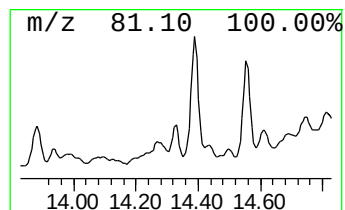
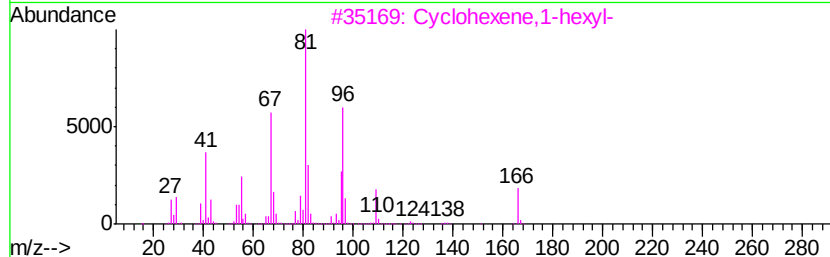
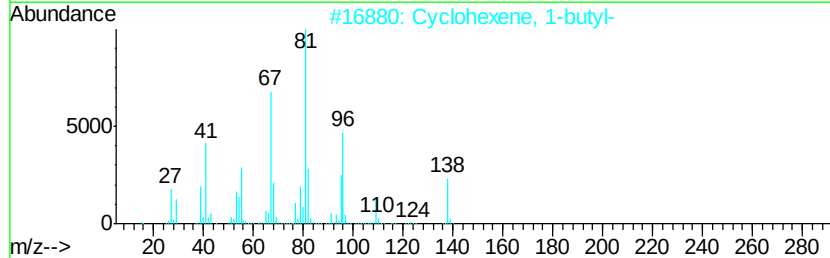
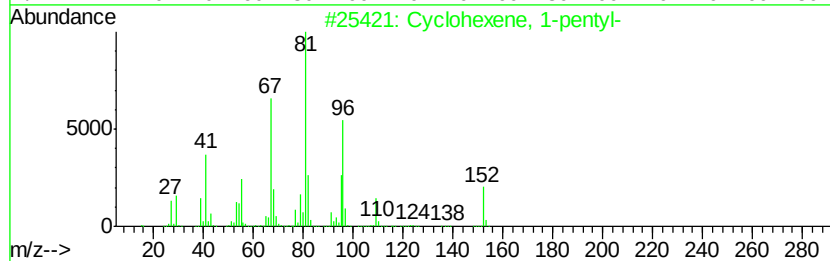
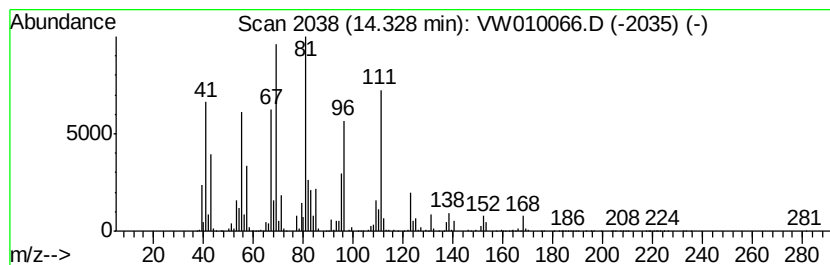
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Quant Title : VOC Analysis

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

Peak Number 12 Cyclohexene, 1-pentyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	32.02 ug/L	3511650	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexene, 1-pentyl-	152	C11H20	015232-85-6	87
2		Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	46
3		Cyclohexene, 1-hexyl-	166	C12H22	003964-66-7	43
4		Methylenecyclooctane	124	C9H16	003618-18-6	43
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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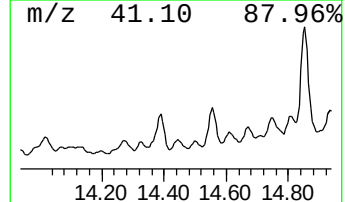
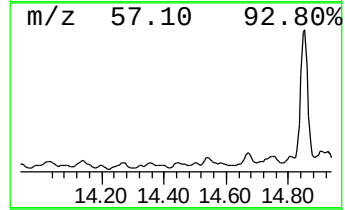
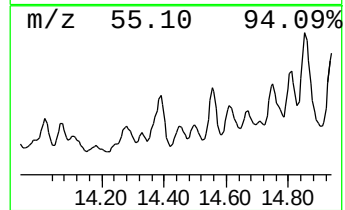
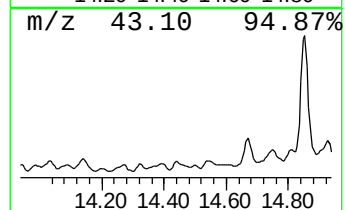
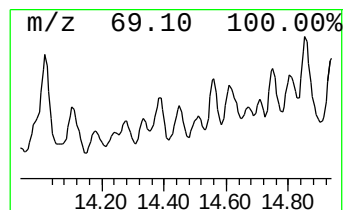
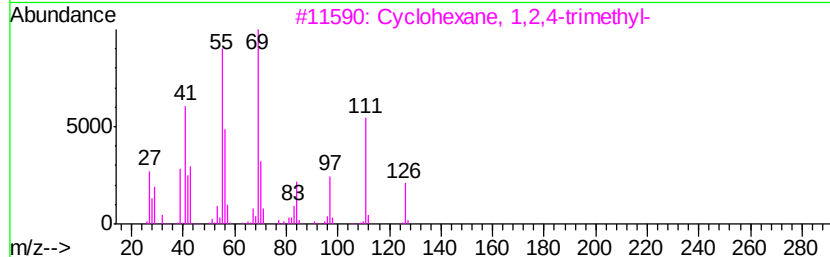
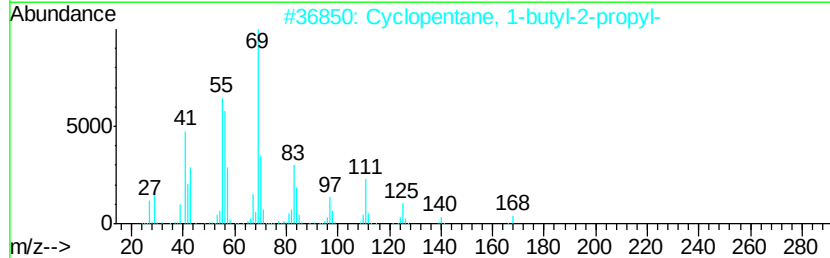
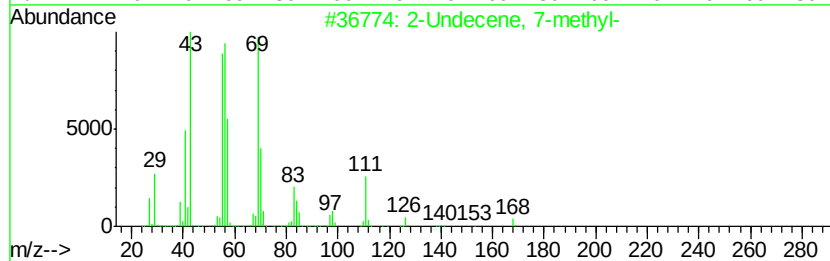
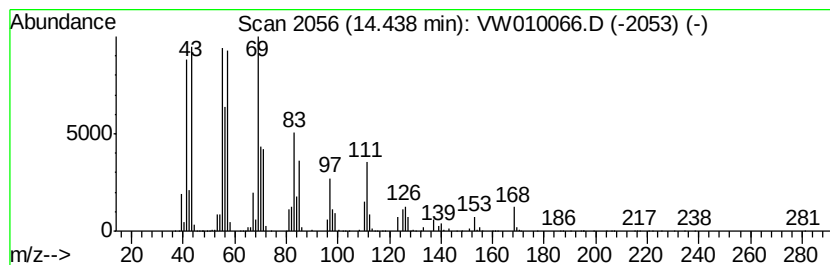
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	38.93 ug/L	4269520	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	81
2		Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	74
3		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	68
4		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	64
5		5-Undecene, 5-methyl-	168	C12H24	031613-73-7	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
 Data File : VW010066.D
 Acq On : 19 Apr 2019 14:49
 Operator : SY/VA
 Sample : K2455-16
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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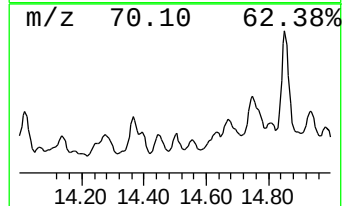
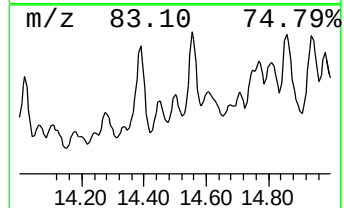
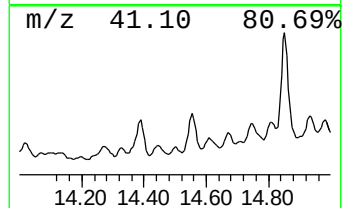
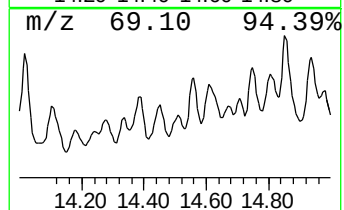
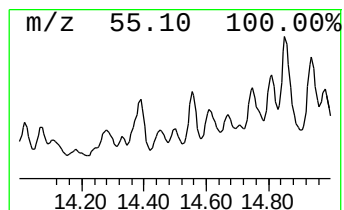
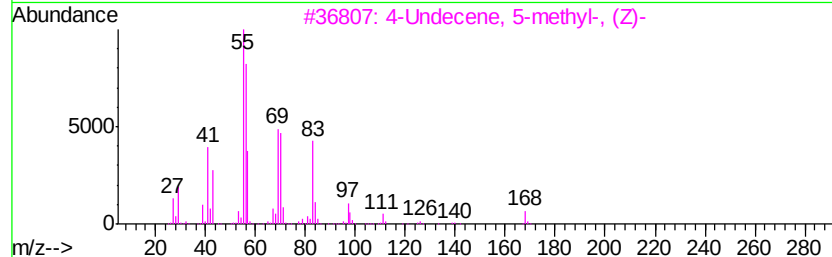
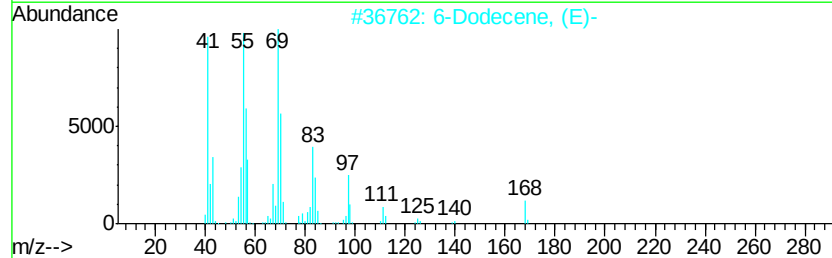
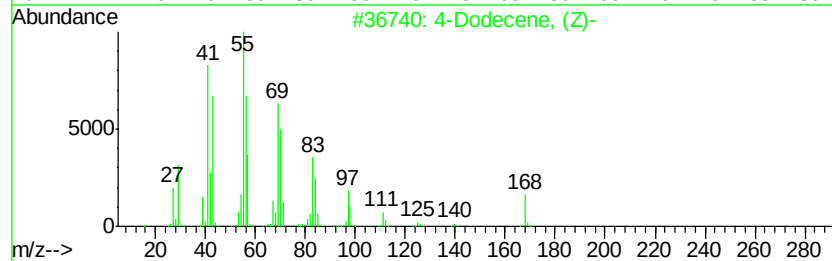
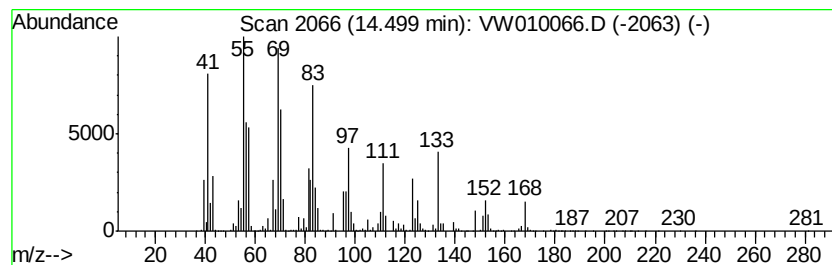
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 Quant Title : VOC Analysis

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

 Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	34.85 ug/L	3822300	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Dodecene, (Z)-	168	C12H24	007206-27-1	58
2			6-Dodecene, (E)-	168	C12H24	007206-17-9	50
3			4-Undecene, 5-methyl-, (Z)-	168	C12H24	074630-69-6	49
4			1-Methyl-2-(4-methylpentyl)cyclo...	168	C12H24	1000113-60-1	46
5			Cyclooctane, methyl-	126	C9H18	001502-38-1	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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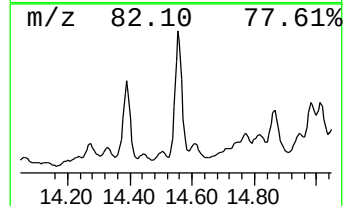
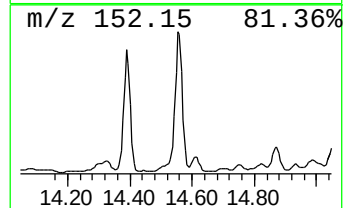
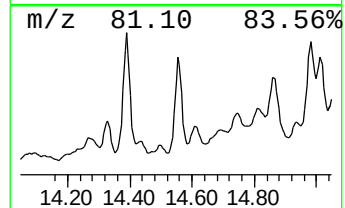
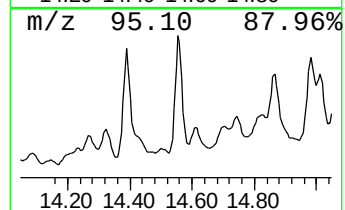
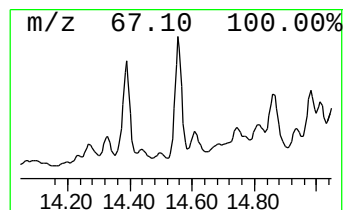
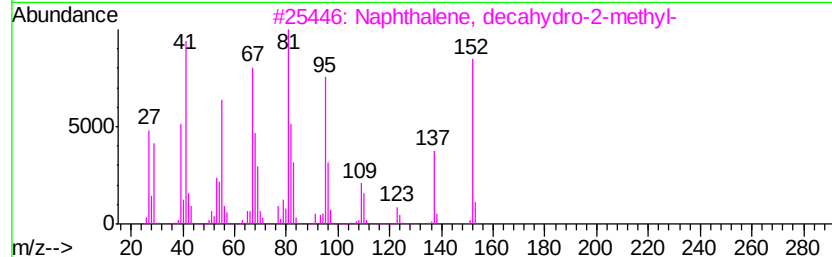
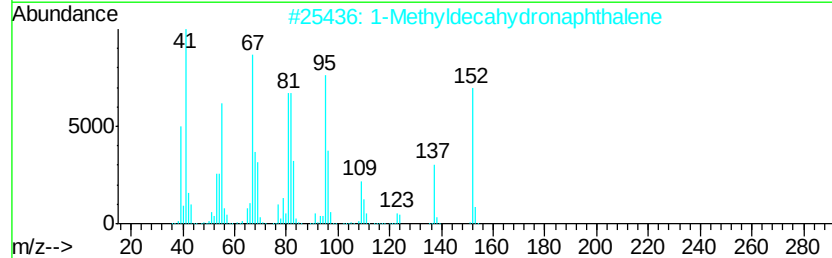
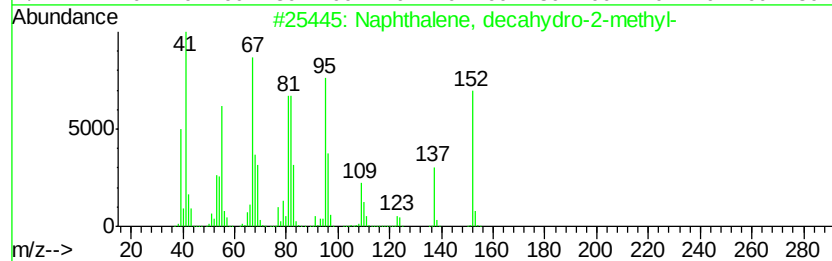
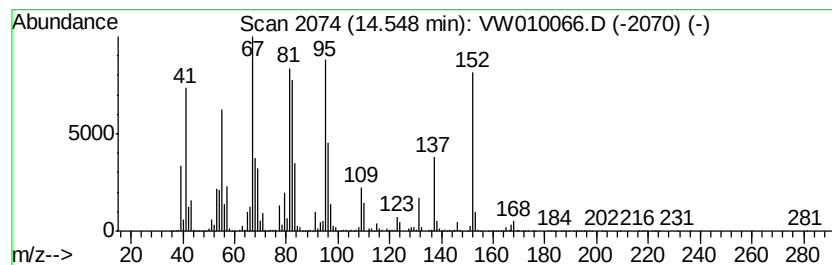
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Quant Title : VOC Analysis

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

Peak Number 16 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	230.80 ug/L	25313400	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	97
2		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	97
3		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	90
5		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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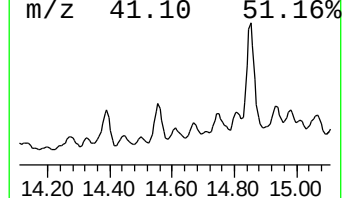
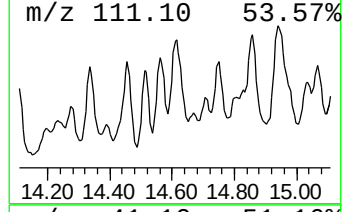
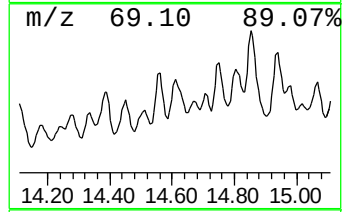
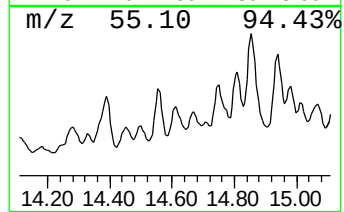
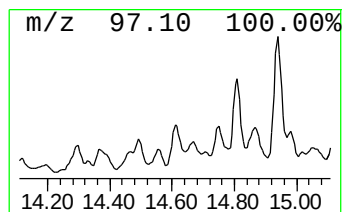
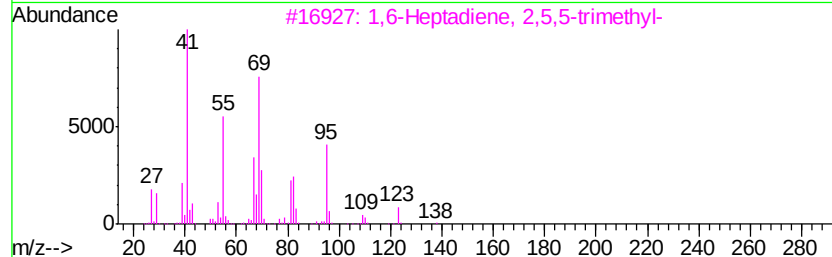
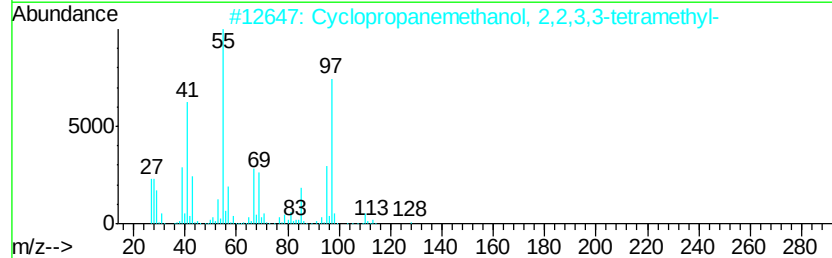
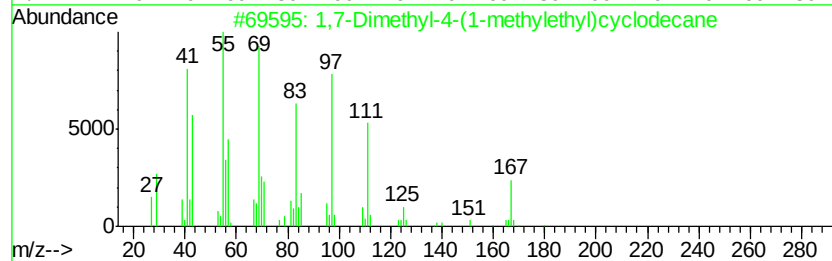
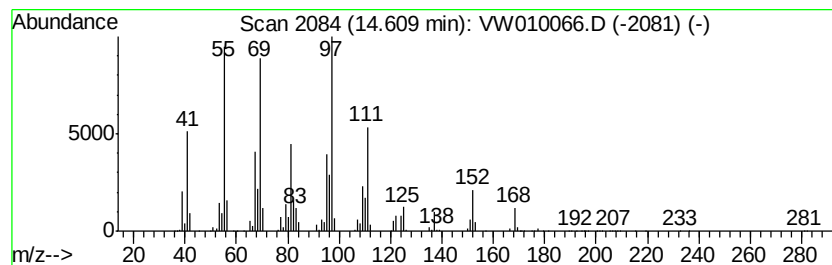
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic14.61 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	50.63 ug/L	5552740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,7-Dimethyl-4-(1-methylethyl)cyclodecane	210	C15H30	000645-10-3	47
2		Cyclopropanemethanol, 2,2,3,3-tetramethyl-	128	C8H16O	002415-96-5	35
3		1,6-Heptadiene, 2,5,5-trimethyl-	138	C10H18	062238-28-2	35
4		Cyclopentanecarboxylic acid, 4-hydroxy-	338	C22H42O3	1000282-77-5	35
5		1-Heptyne, 3-ethoxy-3,4-dimethyl-	168	C11H20O	054411-04-0	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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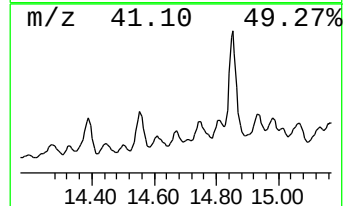
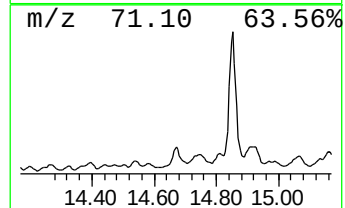
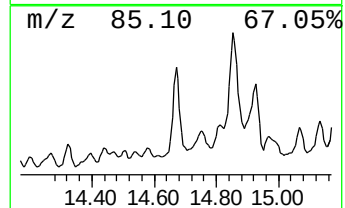
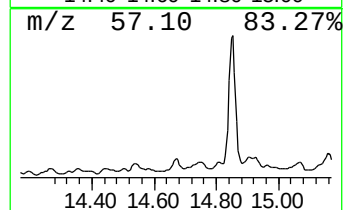
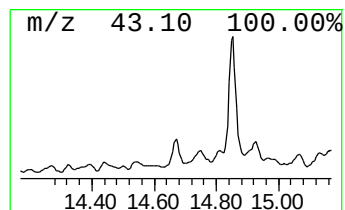
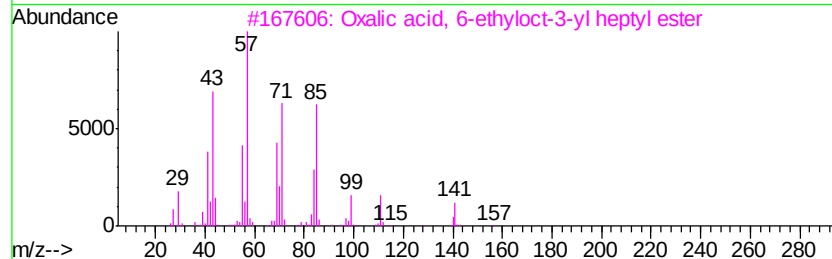
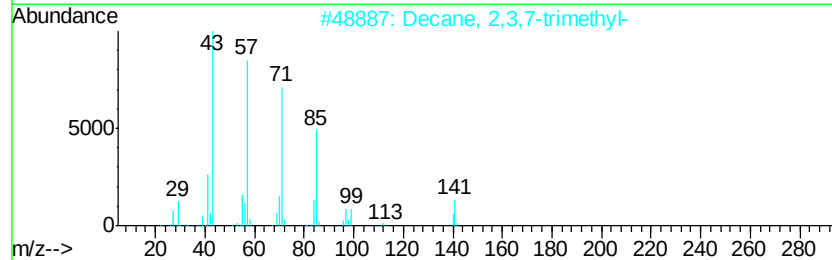
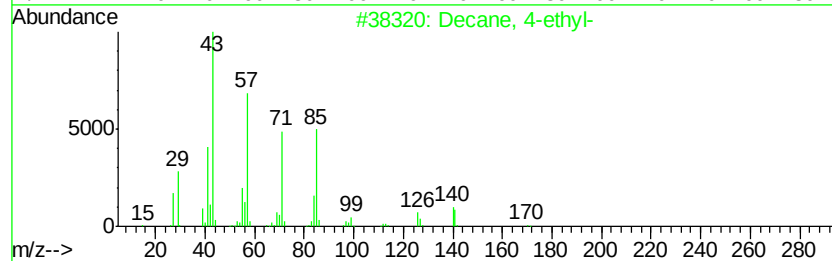
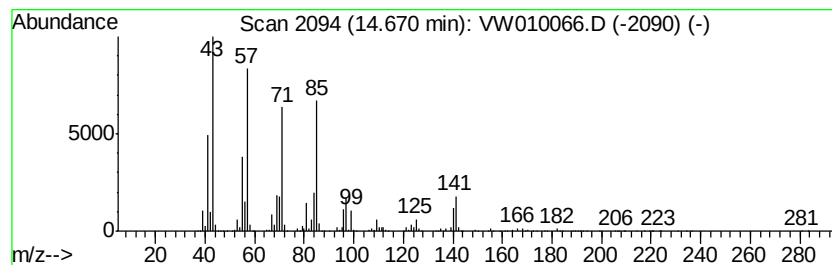
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Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	71.10 ug/L	7797740	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-ethyl-	170	C12H26	001636-44-8	87
2			Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	80
3			Oxalic acid, 6-ethyloct-3-yl hep...	328	C19H36O4	1000309-34-5	64
4			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	59
5			Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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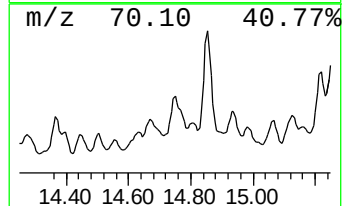
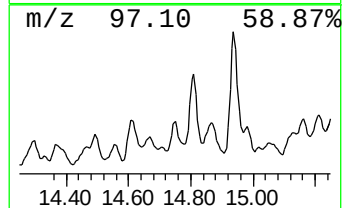
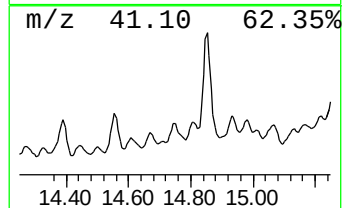
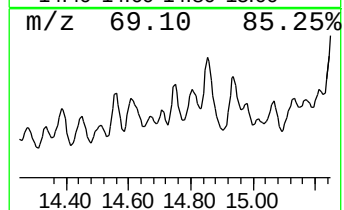
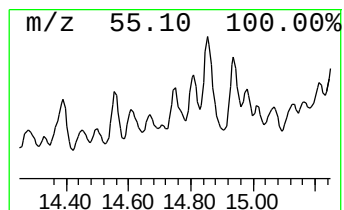
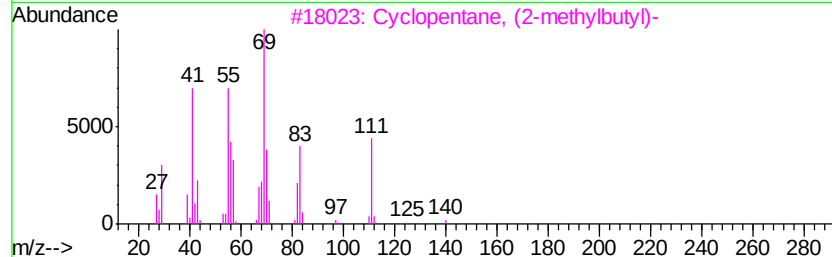
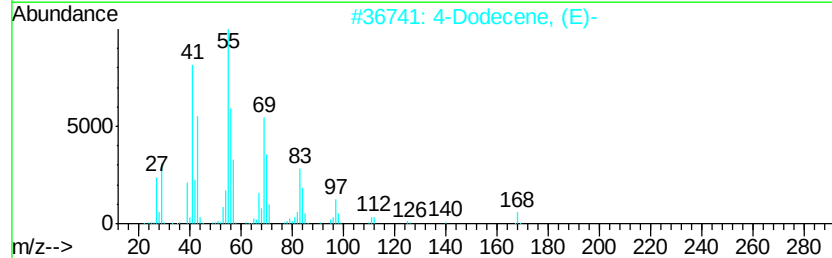
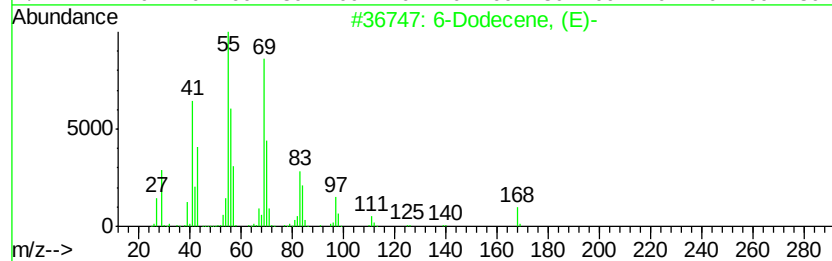
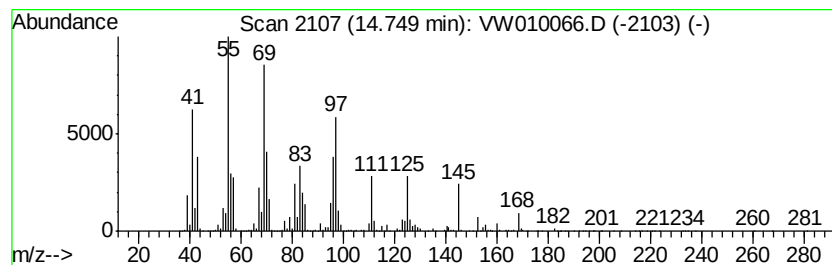
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic14.75 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	98.92 ug/L	10849400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Dodecene, (E)-	168	C12H24	007206-17-9	46
2		4-Dodecene, (E)-	168	C12H24	007206-15-7	43
3		Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	38
4		2-Undecene, 2-methyl-	168	C12H24	056888-88-1	30
5		Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

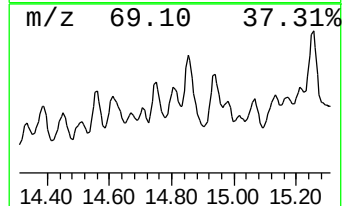
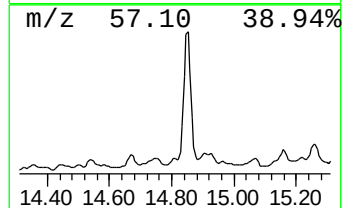
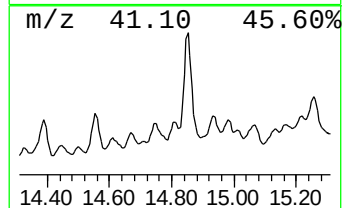
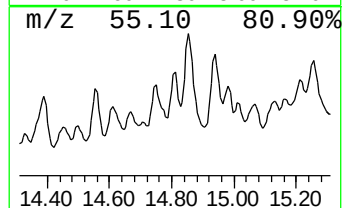
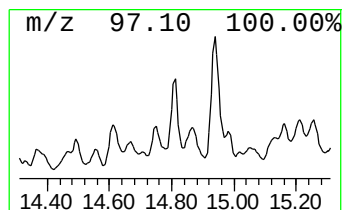
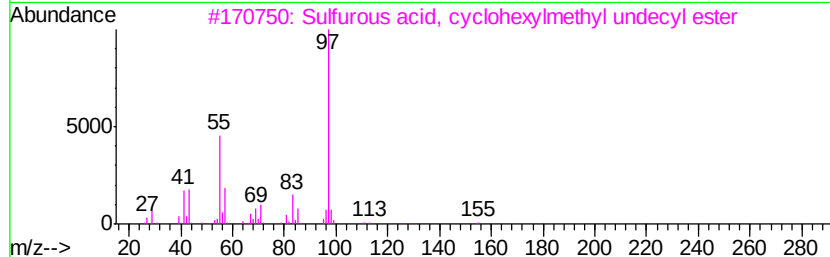
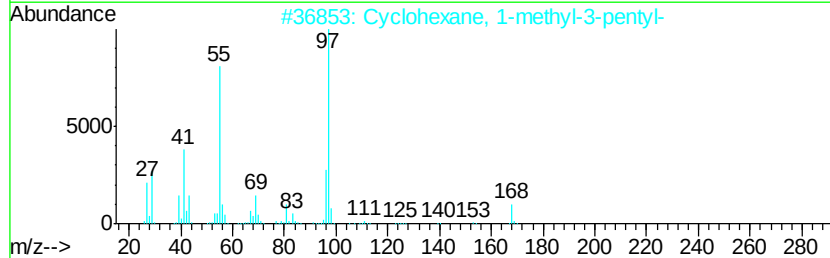
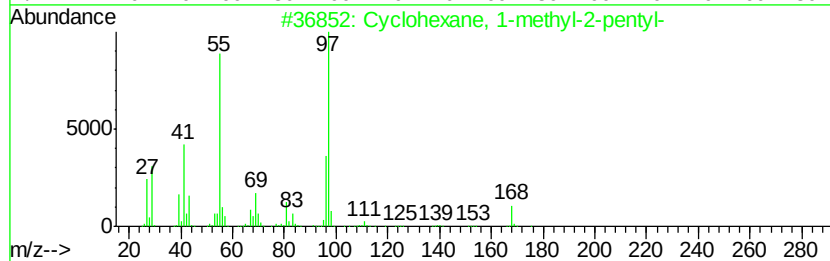
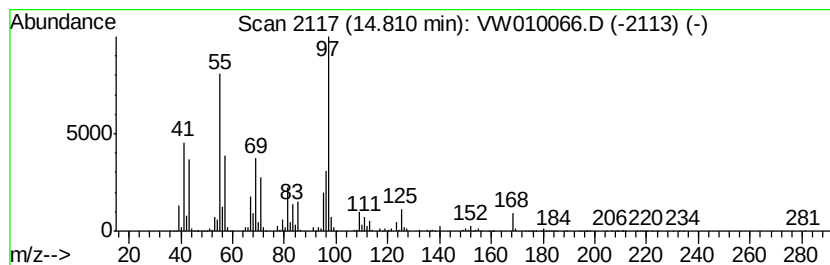
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic14.81 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	78.90 ug/L	8653710	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	52
2		Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	52
3		Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	50
4		Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	50
5		Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

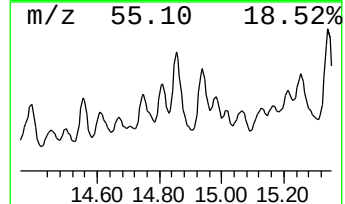
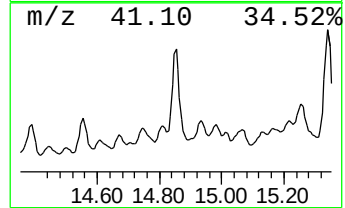
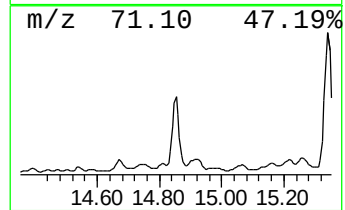
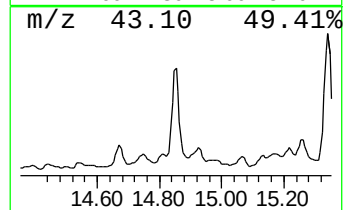
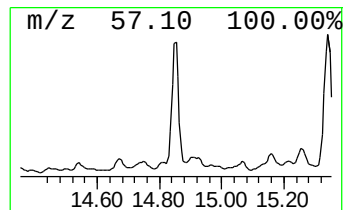
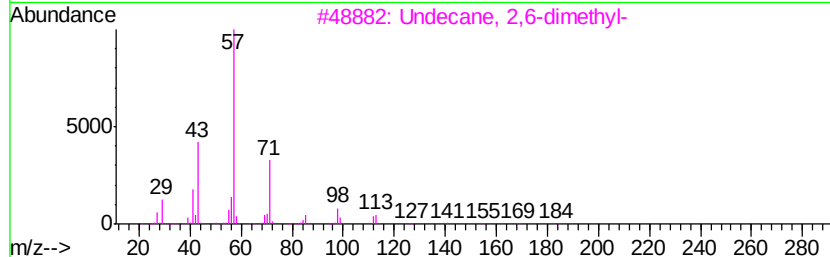
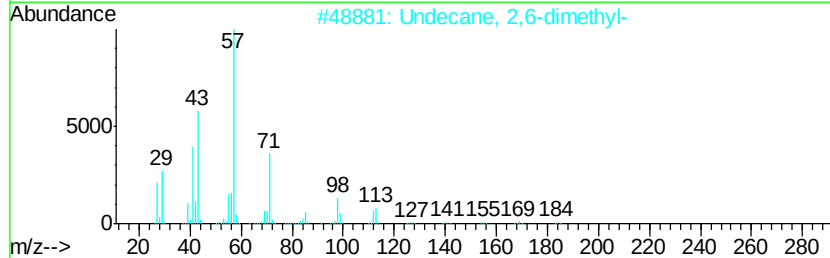
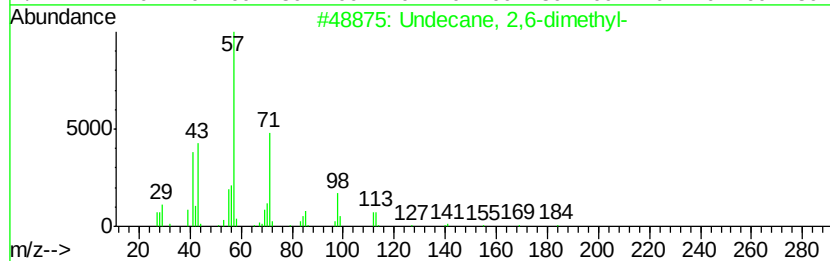
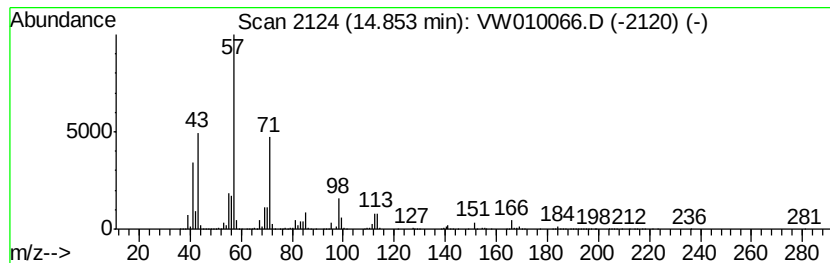
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	422.51 ug/L	46340300	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	95
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
3		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80
4		Dodecane, 6-methyl-	184	C13H28	006044-71-9	64
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

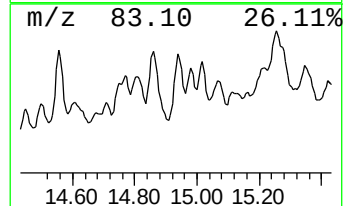
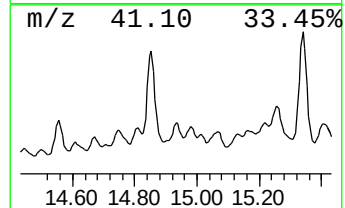
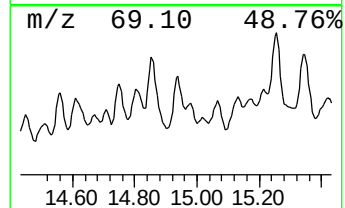
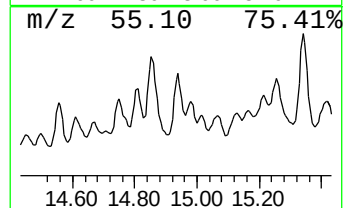
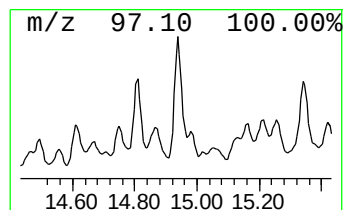
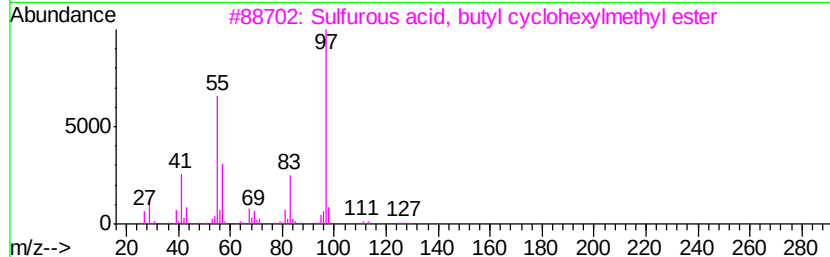
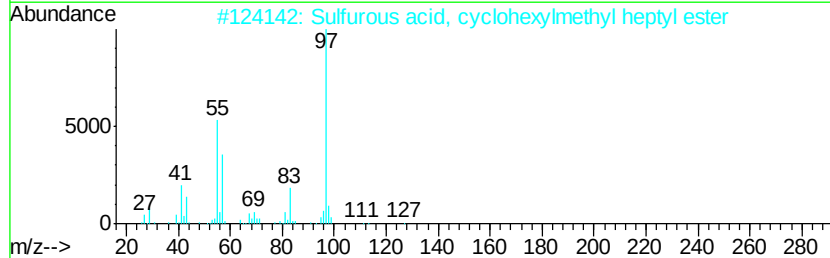
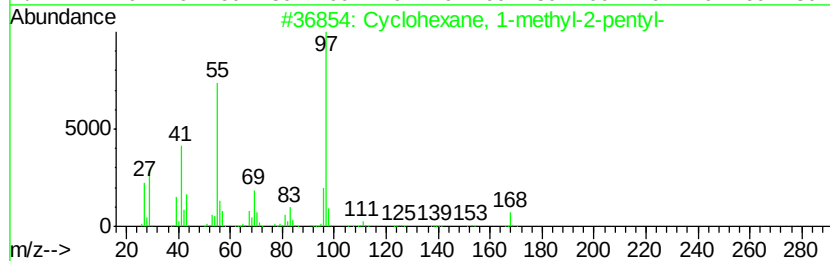
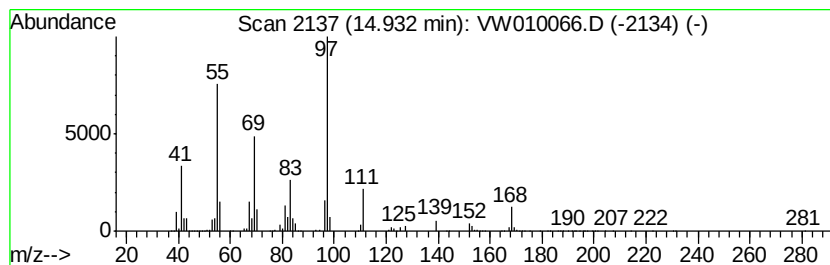
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic14.93 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	67.44 ug/L	7396620	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	58
2		Sulfurous acid, cyclohexylmethyl...	276	C14H28O3S	1000309-21-7	53
3		Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	53
4		Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	53
5		Sulfurous acid, cyclohexylmethyl...	262	C13H26O3S	1000309-21-6	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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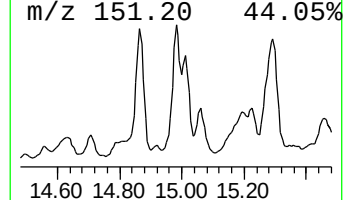
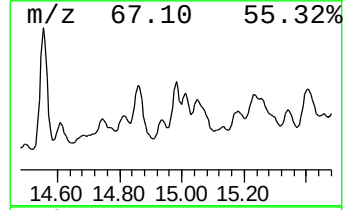
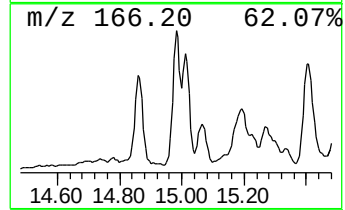
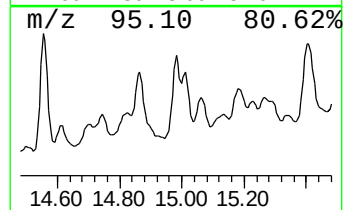
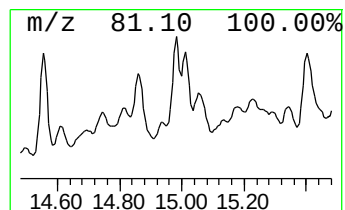
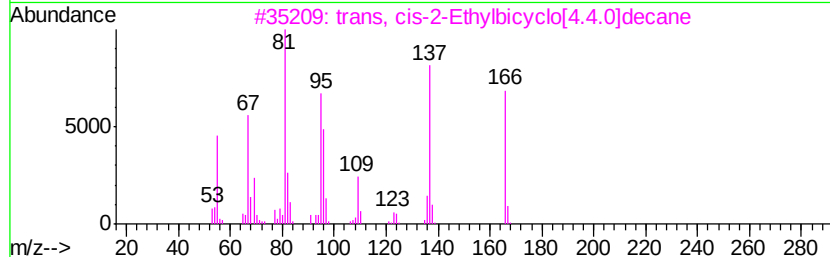
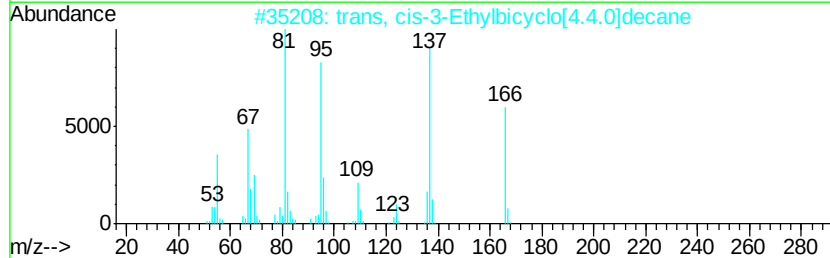
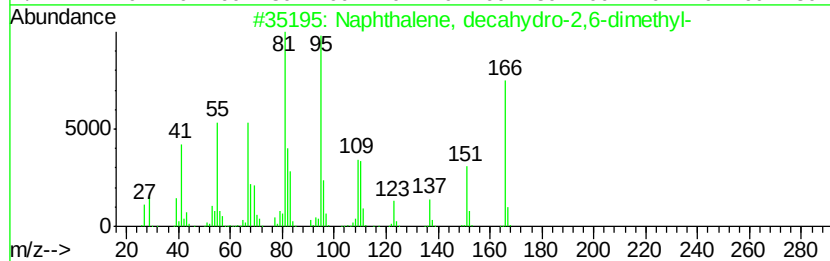
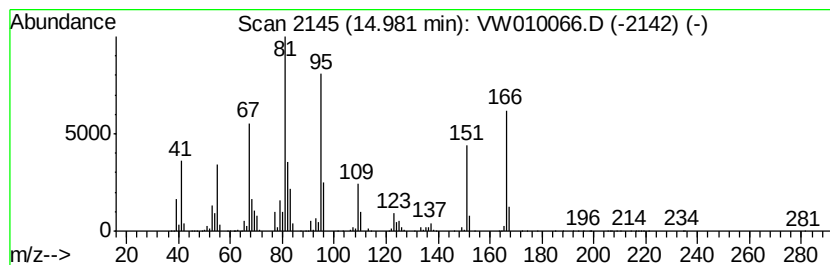
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Quant Title : VOC Analysis

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

Peak Number 23 Naphthalene, decahydro-2,6-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	60.61 ug/L	6647170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	93
2		trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	87
3		trans, cis-2-Ethylbicyclo[4.4.0]...	166	C12H22	066660-39-7	81
4		Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	76
5		cis, cis-2-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-40-0	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

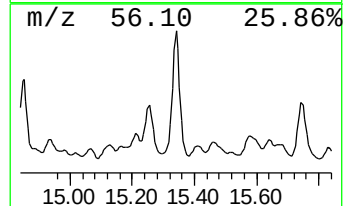
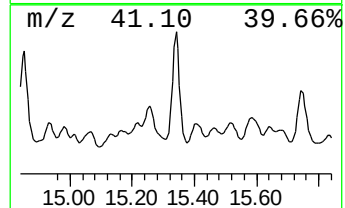
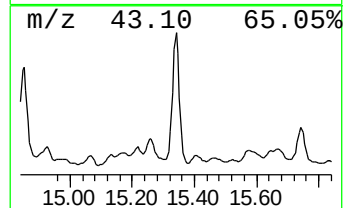
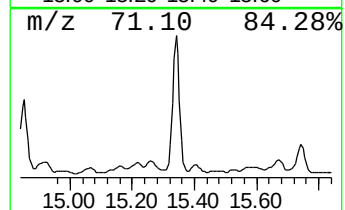
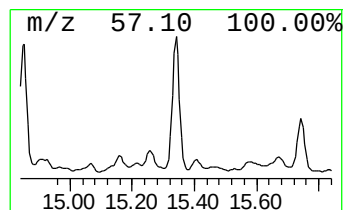
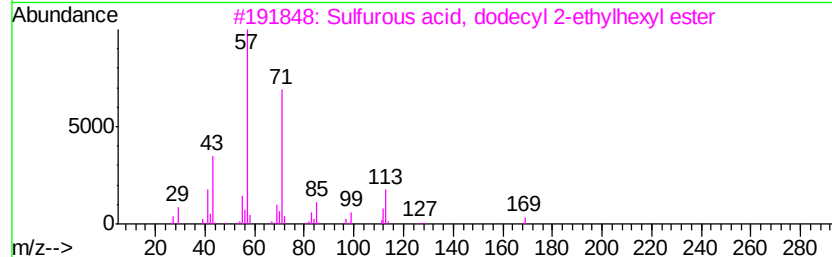
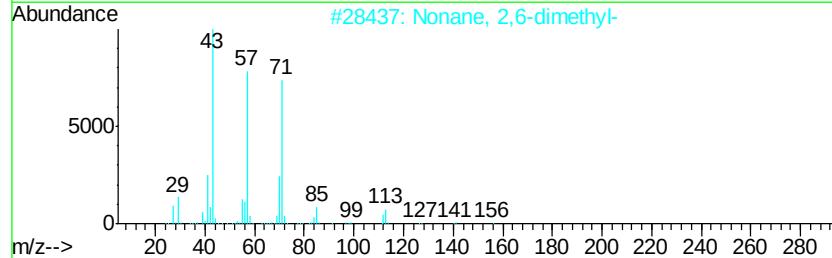
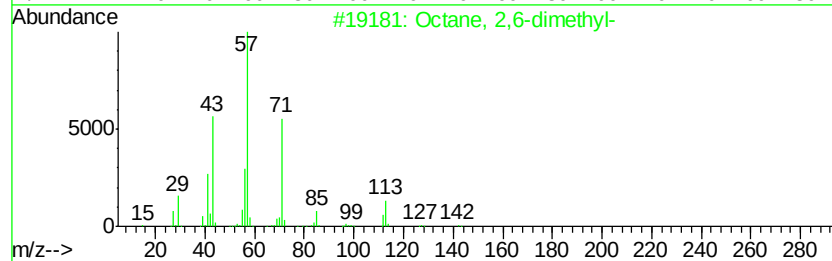
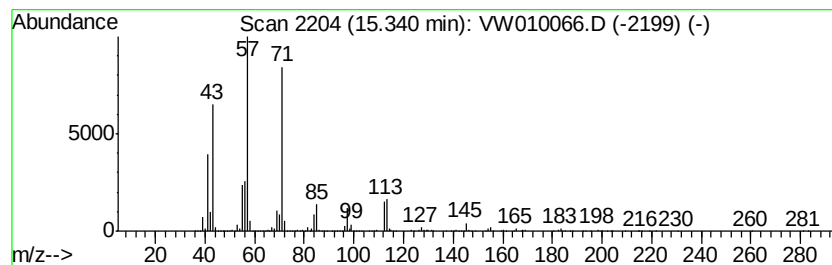
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Quant Title : VOC Analysis

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

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	555.22 ug/L	60895100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	64
3		Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64
4		Tridecane, 7-methyl-	198	C14H30	026730-14-3	62
5		Nonane, 4-methyl-5-propyl-	184	C13H28	062185-55-1	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

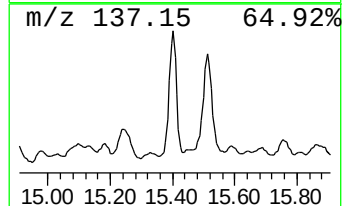
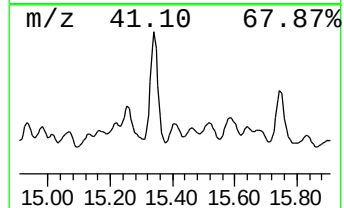
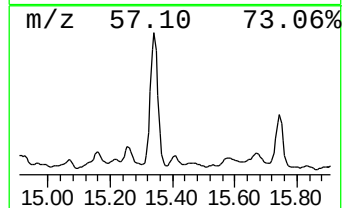
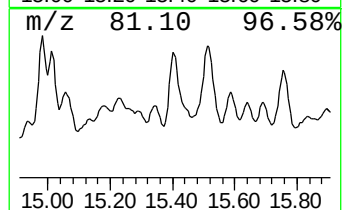
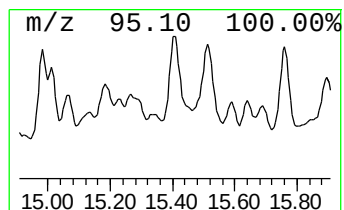
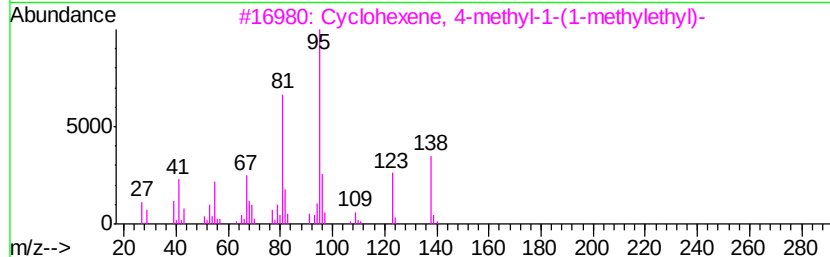
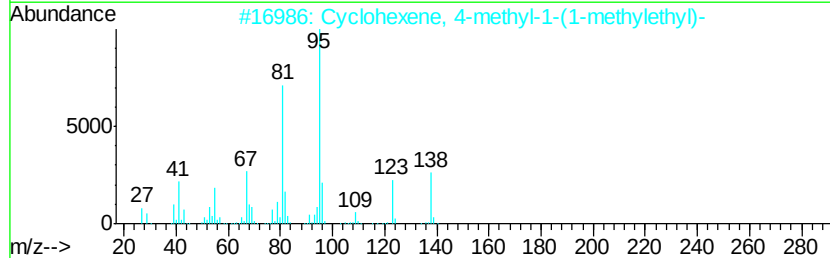
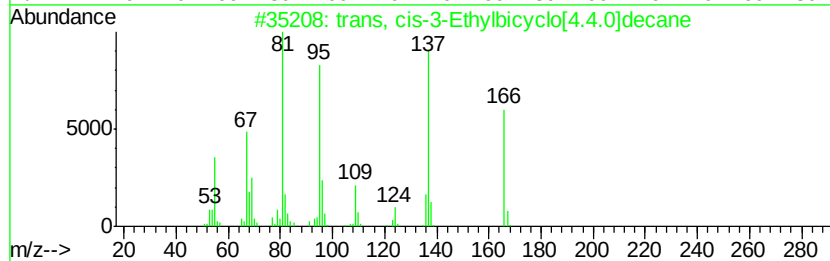
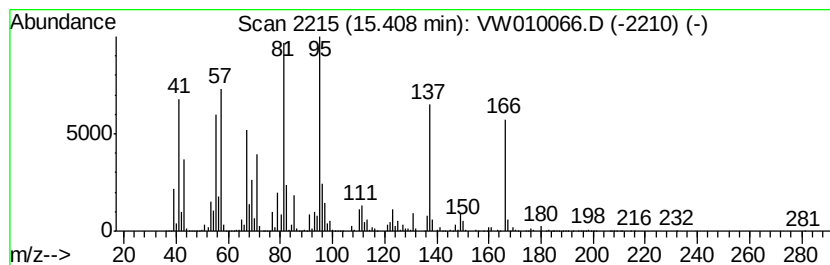
Instrument :
MSVOA_W
ClientSampleId :
GAHR6

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

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

Peak Number 25 trans, cis-3-Ethylbicyclo[4... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	162.98 ug/L	17875800	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans, cis-3-Ethylbicyclo[4.4.0]...	166 C12H22	066660-43-3	74
2	Cyclohexene, 4-methyl-1-(1-methyl-...	138 C10H18	000500-00-5	60
3	Cyclohexene, 4-methyl-1-(1-methyl-...	138 C10H18	000500-00-5	53
4	trans,trans-3-Ethylbicyclo[4.4.0]...	166 C12H22	058462-32-1	52
5	Cyclohexane, 1-methyl-4-(1-methyl-...	138 C10H18	001124-27-2	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

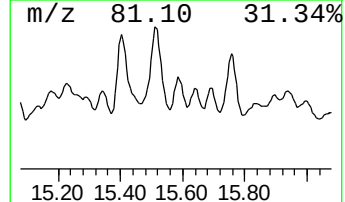
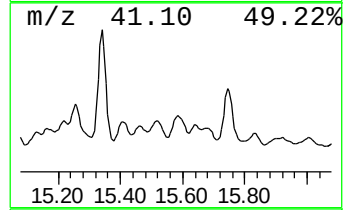
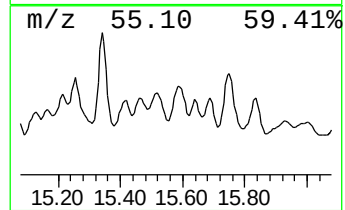
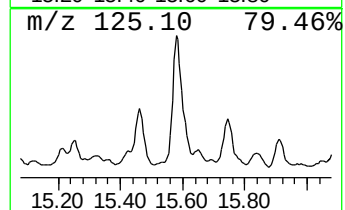
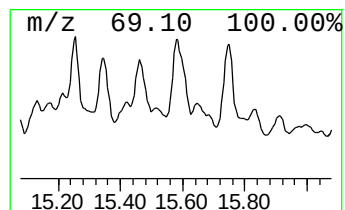
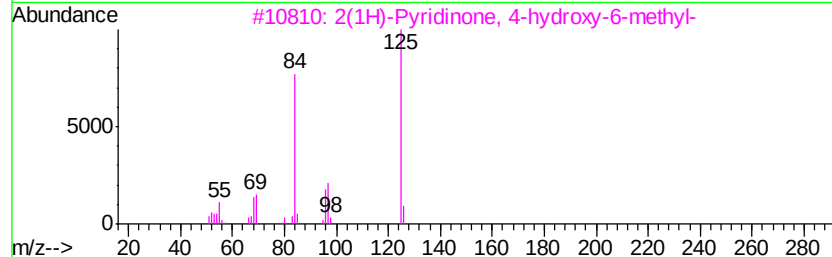
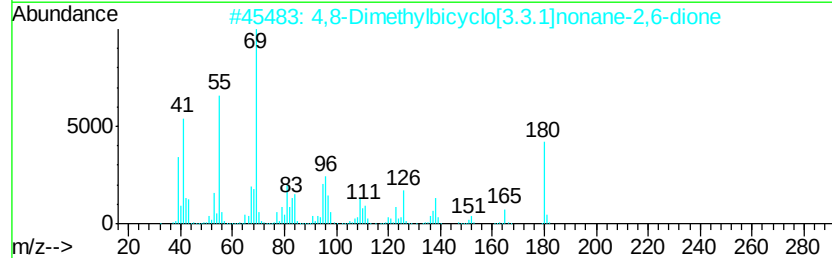
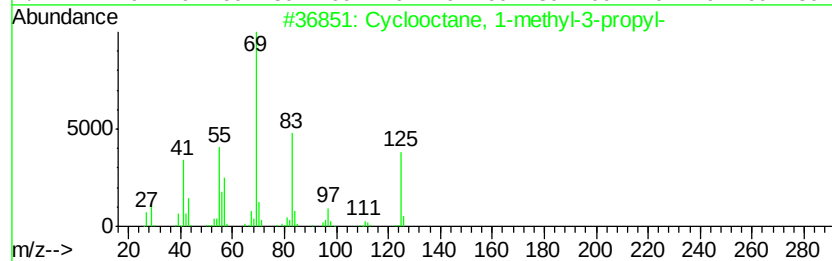
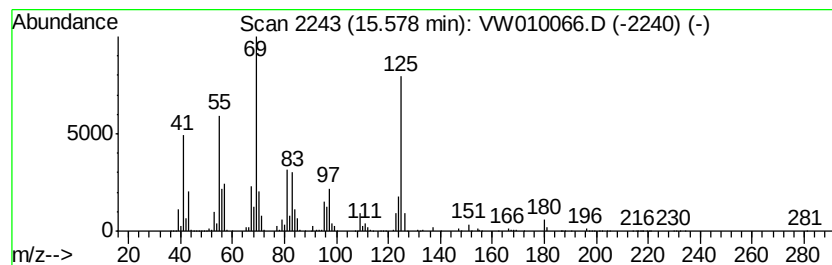
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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	130.75 ug/L	14340700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	53
2		4,8-Dimethylbicyclo[3.3.1]nonane...	180	C11H16O2	139914-54-8	46
3		2(1H)-Pyridinone, 4-hydroxy-6-me...	125	C6H7NO2	003749-51-7	38
4		4-Hydroxy-6-(methylamino)pyrimidine	125	C5H7N3O	001122-67-4	38
5		Oxazole, 2-butyl-5-ethyl-4-methyl-	167	C10H17NO	084028-02-4	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleID :
GAHR6

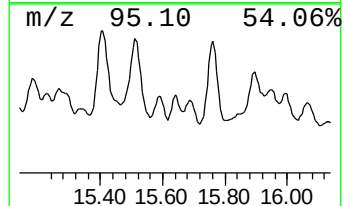
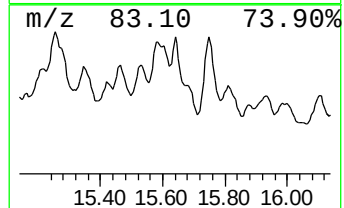
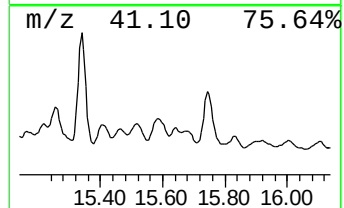
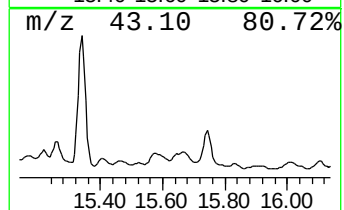
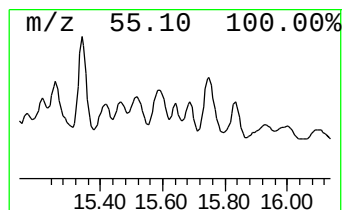
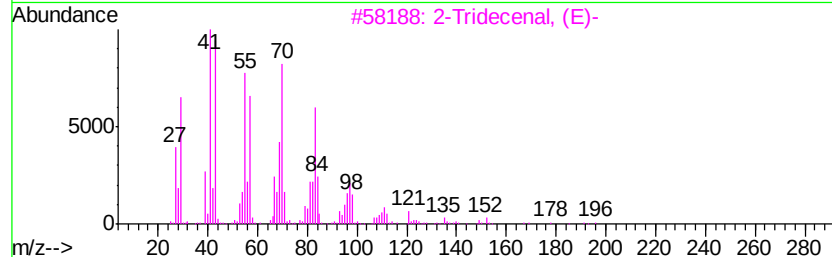
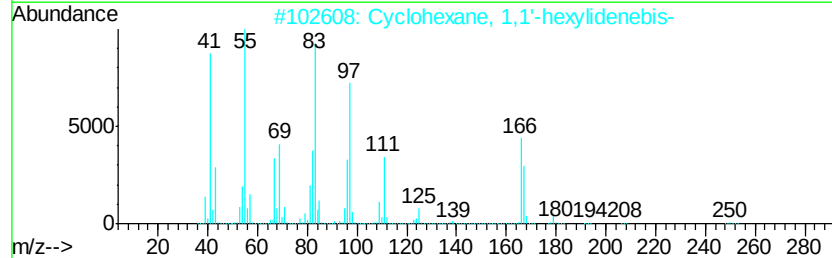
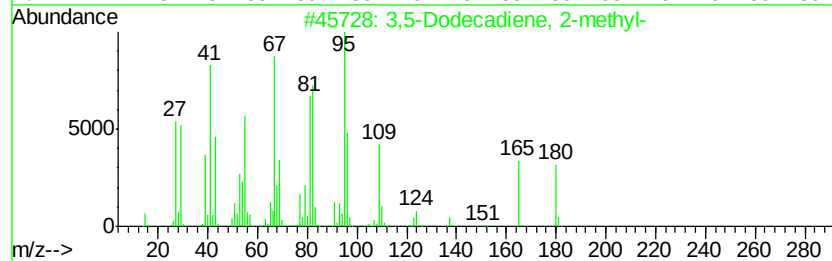
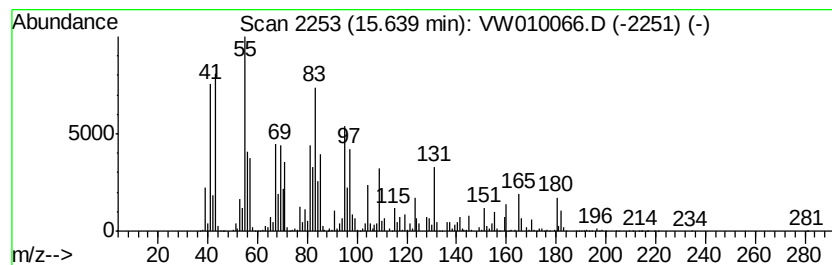
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	41.33 ug/L	4533400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dodecadiene, 2-methyl-	180	C13H24	055638-51-2	64
2		Cyclohexane, 1,1'-hexylidenebis-	250	C18H34	055030-20-1	38
3		2-Tridecenal, (E)-	196	C13H24O	007069-41-2	38
4		Cyclohexanone, 3-ethyl-	126	C8H14O	022461-89-8	27
5		Cyclotridecane	182	C13H26	000295-02-3	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

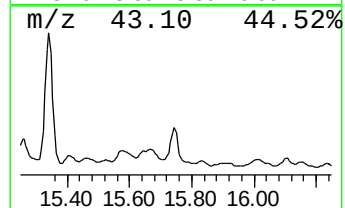
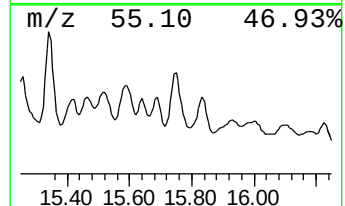
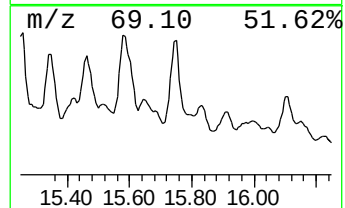
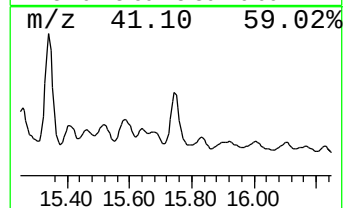
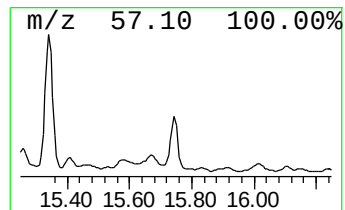
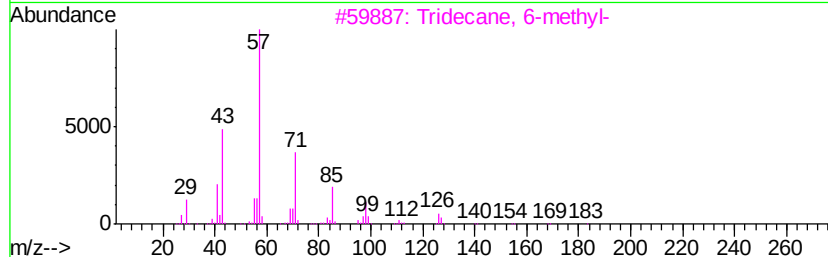
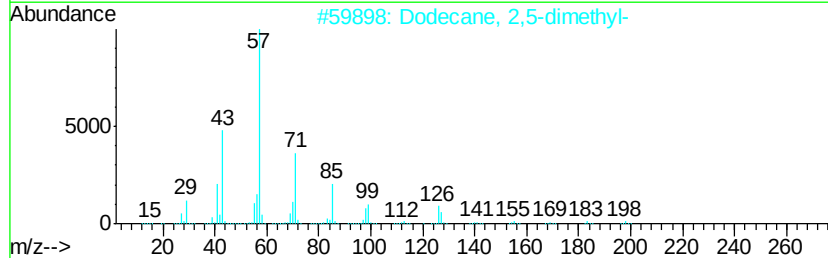
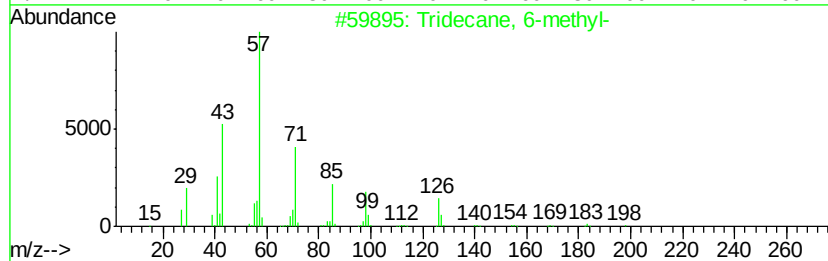
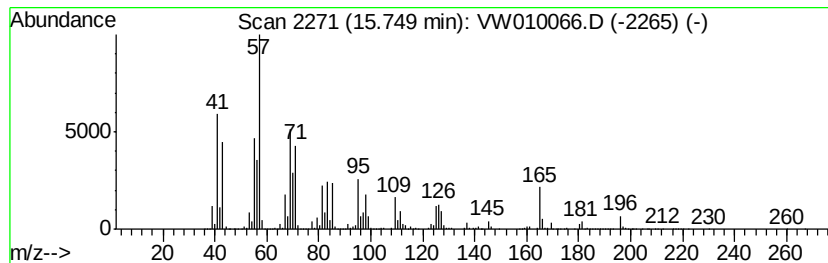
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	342.08 ug/L	37518800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
2		Dodecane, 2,5-dimethyl-	198	C14H30	056292-65-0	45
3		Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
4		Decane, 3-methyl-	156	C11H24	013151-34-3	38
5		Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	27



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041919\
Data File : VW010066.D
Acq On : 19 Apr 2019 14:49
Operator : SY/VA
Sample : K2455-16
Misc : 5.10G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GAHR6

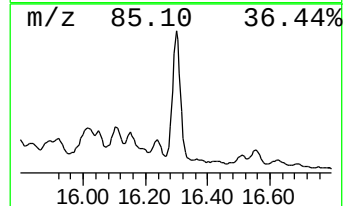
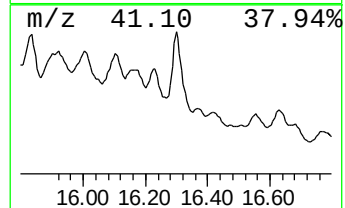
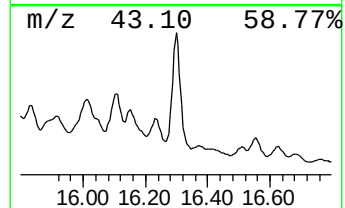
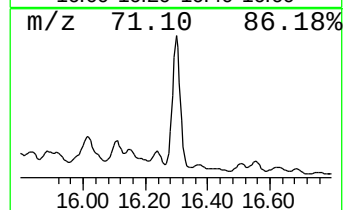
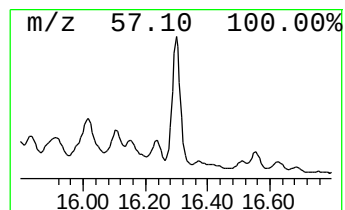
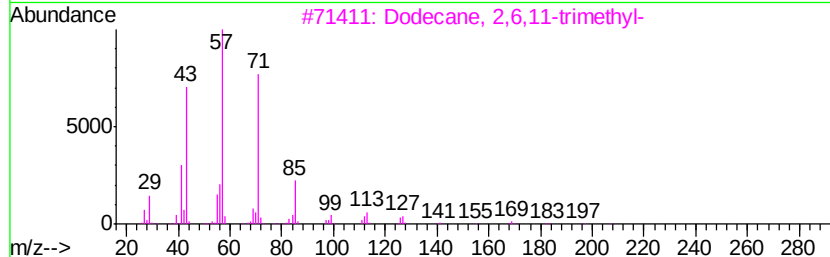
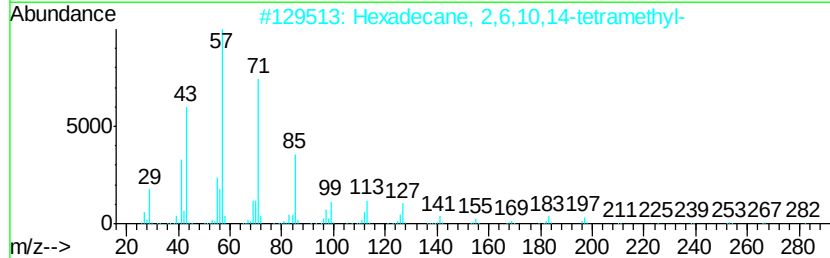
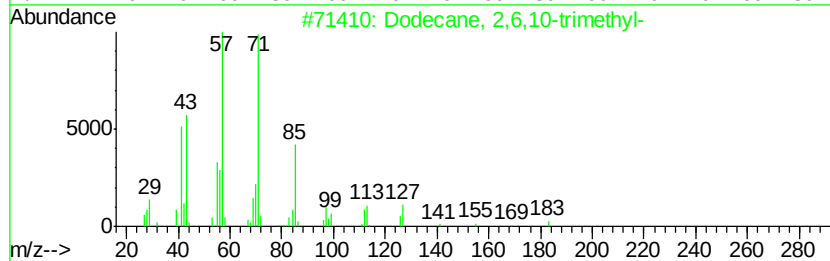
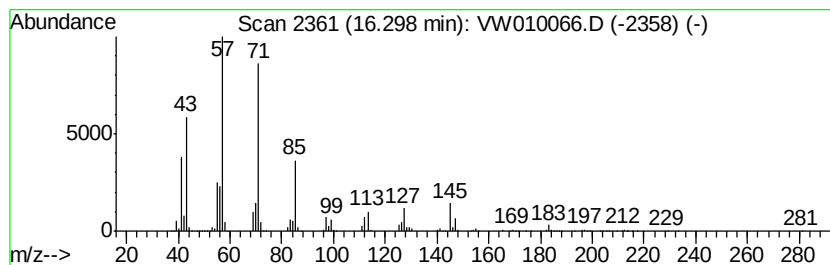
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041519S.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	144.45 ug/L	15842700	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041919\
 Data File : VW010066.D
 Acq On : 19 Apr 2019 14:49
 Operator : SY/VA
 Sample : K2455-16
 Misc : 5.10G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAHR6

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Disulfide, dimethyl	10.13	3.3	ug/L	193781	1	8.84	1472370	25.0
Naphthalene, 2,6-...	12.89	73.2	ug/L	8022410	3	13.56	2741950	25.0
3-Octanethiol, th...	13.19	15.9	ug/L	1738540	3	13.56	2741950	25.0
Naphthalene, 1,3-...	13.33	185.2	ug/L	20311500	3	13.56	2741950	25.0
1,1'-Bicyclooctyl	13.63	25.0	ug/L	2741950	3	13.56	2741950	25.0
1-Ethyl-2,2,6-tri...	13.70	63.7	ug/L	6987350	3	13.56	2741950	25.0
(DEL) Alkane: Str...	13.94	14.7	ug/L	1610260	3	13.56	2741950	25.0
(DEL) Alkane: Cyc...	13.99	36.0	ug/L	3950720	3	13.56	2741950	25.0
Sulfurous acid, b...	14.07	19.5	ug/L	2135040	3	13.56	2741950	25.0
Cyclohexene, 3,3,...	14.27	48.9	ug/L	5358810	3	13.56	2741950	25.0
Cyclohexene, 1-pe...	14.33	32.0	ug/L	3511650	3	13.56	2741950	25.0
(DEL) Alkane: Str...	14.44	38.9	ug/L	4269520	3	13.56	2741950	25.0
(DEL) Alkane: Str...	14.50	34.9	ug/L	3822300	3	13.56	2741950	25.0
Naphthalene, deca...	14.55	230.8	ug/L	25313400	3	13.56	2741950	25.0
(DEL) Alkane: Cyc...	14.61	50.6	ug/L	5552740	3	13.56	2741950	25.0
(DEL) Alkane: Str...	14.67	71.1	ug/L	7797740	3	13.56	2741950	25.0
(DEL) Alkane: Cyc...	14.75	98.9	ug/L	10849400	3	13.56	2741950	25.0
(DEL) Alkane: Cyc...	14.81	78.9	ug/L	8653710	3	13.56	2741950	25.0
(DEL) Alkane: Str...	14.85	422.5	ug/L	46340300	3	13.56	2741950	25.0
(DEL) Alkane: Cyc...	14.93	67.4	ug/L	7396620	3	13.56	2741950	25.0
Naphthalene, deca...	14.98	60.6	ug/L	6647170	3	13.56	2741950	25.0
(DEL) Alkane: Str...	15.34	555.2	ug/L	60895100	3	13.56	2741950	25.0
trans, cis-3-Ethy...	15.41	163.0	ug/L	17875800	3	13.56	2741950	25.0
(DEL) Alkane: Str...	15.58	130.8	ug/L	14340700	3	13.56	2741950	25.0
(DEL) Alkane: Str...	15.64	41.3	ug/L	4533400	3	13.56	2741950	25.0
(DEL) Alkane: Str...	15.75	342.1	ug/L	37518800	3	13.56	2741950	25.0
(DEL) Alkane: Str...	16.30	144.4	ug/L	15842700	3	13.56	2741950	25.0