

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
 Data File : VW004901.D
 Acq On : 23 Aug 2018 17:02
 Operator : SY/AP
 Sample : J4624-04
 Misc : 5.57G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E4430

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\SOM2WLM082218S.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	1.801	20	35	55	rBV	8691354	16146456	19.24%	11.728%
2	2.355	119	126	140	rVB	322370	545400	0.65%	0.396%
3	2.892	206	214	224	rVB	227802	435785	0.52%	0.317%
4	3.282	272	278	284	rVB4	4684	11051	0.01%	0.008%
5	3.331	284	286	291	rVB6	1113	1389	0.00%	0.001%
6	3.404	291	298	301	rBV5	1825	4168	0.00%	0.003%
7	3.617	325	333	335	rBV6	1287	3309	0.00%	0.002%
8	3.867	367	374	384	rBV2	4624	10317	0.01%	0.007%
9	4.026	389	400	413	rBV	350898	912557	1.09%	0.663%
10	4.160	413	422	432	rVV3	7306	23005	0.03%	0.017%
11	4.660	497	504	505	rBV5	1084	1682	0.00%	0.001%
12	4.922	536	547	559	rBV3	37388	124538	0.15%	0.090%
13	5.434	623	631	640	rVB5	4016	11730	0.01%	0.009%
14	5.958	706	717	728	rBV3	4836	14826	0.02%	0.011%
15	6.269	764	768	772	rBV3	678	1462	0.00%	0.001%
16	7.098	894	904	907	rBV	50410	130300	0.16%	0.095%
17	7.178	907	917	933	rVB	1184957	3190843	3.80%	2.318%
18	7.543	967	977	980	rVV10	1413	3803	0.00%	0.003%
19	7.659	984	996	1007	rVV	390477	954920	1.14%	0.694%
20	8.043	1054	1059	1060	rBV4	1801	2407	0.00%	0.002%
21	8.171	1072	1080	1084	rBV7	2299	6077	0.01%	0.004%
22	8.281	1087	1098	1116	rVV2	978617	2765076	3.29%	2.008%
23	8.403	1116	1118	1122	rVV5	2669	4618	0.01%	0.003%
24	8.434	1122	1123	1124	rVV	2313	1118	0.00%	0.001%
25	8.476	1128	1130	1136	rVB6	1233	1850	0.00%	0.001%
26	8.586	1143	1148	1150	rBV4	958	1301	0.00%	0.001%
27	8.641	1152	1157	1158	rBV4	1999	3090	0.00%	0.002%
28	8.696	1163	1166	1167	rBV3	2549	2444	0.00%	0.002%
29	8.848	1182	1191	1210	rBV	919560	1831765	2.18%	1.330%
30	9.098	1222	1232	1249	rBV	2004147	3913999	4.66%	2.843%
31	9.281	1252	1262	1271	rBV	592600	1203351	1.43%	0.874%
32	9.525	1299	1302	1305	rVV5	1903	2482	0.00%	0.002%
33	9.580	1308	1311	1313	rVV4	945	1295	0.00%	0.001%
34	9.610	1314	1316	1319	rVB4	1572	1515	0.00%	0.001%

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 Title : VOC Analysis

35	9.763	1330	1341	1346	rBV8	5715	15389	0.02%	0.011%
36	9.903	1359	1364	1370	rVB4	5173	9271	0.01%	0.007%
37	9.970	1370	1375	1378	rBV4	4842	9236	0.01%	0.007%
38	10.043	1378	1387	1395	rBV	299690	558829	0.67%	0.406%
39	10.262	1420	1423	1425	rVB3	1216	1179	0.00%	0.001%
40	10.329	1426	1434	1451	rBV	1511647	2690951	3.21%	1.955%
41	10.445	1451	1453	1456	rBV4	1509	1532	0.00%	0.001%
42	10.512	1458	1464	1467	rVB7	6841	11440	0.01%	0.008%
43	10.586	1468	1476	1486	rVB	217091	404668	0.48%	0.294%
44	10.665	1487	1489	1491	rBV3	1146	1142	0.00%	0.001%
45	10.714	1491	1497	1503	rBV	53223	127600	0.15%	0.093%
46	10.866	1514	1522	1530	rBV	47547768	83938989	100.00%	60.968%
47	10.927	1530	1532	1547	rVV	379705	635662	0.76%	0.462%
48	11.067	1550	1555	1566	rVB	62286	110177	0.13%	0.080%
49	11.189	1571	1575	1578	rVB5	5093	8266	0.01%	0.006%
50	11.232	1578	1582	1589	rBV7	4206	8016	0.01%	0.006%
51	11.281	1589	1590	1593	rBV3	1597	1654	0.00%	0.001%
52	11.335	1597	1599	1603	rVB5	1578	2183	0.00%	0.002%
53	11.415	1606	1612	1615	rVV5	5792	11708	0.01%	0.009%
54	11.445	1615	1617	1623	rVB2	8194	11302	0.01%	0.008%
55	11.518	1623	1629	1635	rBV4	6782	14496	0.02%	0.011%
56	11.634	1641	1648	1661	rBV	1284974	2233229	2.66%	1.622%
57	11.732	1661	1664	1669	rVB6	2947	4384	0.01%	0.003%
58	11.768	1669	1670	1674	rVB4	1184	1187	0.00%	0.001%
59	11.848	1674	1683	1687	rBV8	7617	17173	0.02%	0.012%
60	11.982	1701	1705	1710	rBV7	2959	6702	0.01%	0.005%
61	12.067	1717	1719	1723	rVB5	1600	1644	0.00%	0.001%
62	12.140	1725	1731	1732	rBV5	5170	6398	0.01%	0.005%
63	12.256	1742	1750	1755	rVB6	5599	13962	0.02%	0.010%
64	12.372	1758	1769	1775	rBV4	19851	45902	0.05%	0.033%
65	12.475	1778	1786	1793	rBV4	6630	19663	0.02%	0.014%
66	12.622	1801	1810	1815	rVB2	44446	83809	0.10%	0.061%
67	12.701	1815	1823	1829	rBV	444742	735815	0.88%	0.534%
68	12.786	1829	1837	1844	rVB9	14930	35089	0.04%	0.025%
69	12.872	1844	1851	1857	rBV8	11355	29387	0.04%	0.021%
70	12.945	1857	1863	1866	rBV	37158	71593	0.09%	0.052%
71	13.085	1882	1886	1890	rBV3	15074	23585	0.03%	0.017%

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72	13.140	1893	1895	1896	rBV2	4871	4035	0.00%	0.003%
73	13.170	1897	1900	1903	rBV2	27135	43009	0.05%	0.031%
74	13.268	1914	1916	1918	rBV2	6262	6099	0.01%	0.004%
75	13.305	1918	1922	1927	rVV3	23878	38213	0.05%	0.028%
76	13.353	1927	1930	1933	rBV2	11375	14764	0.02%	0.011%
77	13.420	1938	1941	1944	rBV4	13789	19670	0.02%	0.014%
78	13.494	1949	1953	1956	rBV4	20832	36261	0.04%	0.026%
79	13.567	1958	1965	1972	rBV	1427361	2263651	2.70%	1.644%
80	13.707	1983	1988	1993	rBV3	56441	116467	0.14%	0.085%
81	13.859	2003	2013	2021	rBV	1376056	2592518	3.09%	1.883%
82	13.939	2023	2026	2031	rVB3	74479	127095	0.15%	0.092%
83	14.024	2032	2040	2046	rBV6	94996	288102	0.34%	0.209%
84	14.201	2067	2069	2073	rVB2	61391	73988	0.09%	0.054%
85	14.274	2073	2081	2086	rBV4	139599	331157	0.39%	0.241%
86	14.341	2087	2092	2095	rBV6	96116	199999	0.24%	0.145%
87	14.396	2097	2101	2105	rVB4	101970	148134	0.18%	0.108%
88	14.445	2105	2109	2115	rBV5	92554	168675	0.20%	0.123%
89	14.506	2116	2119	2122	rBV3	72306	110211	0.13%	0.080%
90	14.560	2125	2128	2130	rBV2	75369	94261	0.11%	0.068%
91	14.670	2142	2146	2150	rBV	263610	436098	0.52%	0.317%
92	14.810	2165	2169	2172	rBV3	161573	291793	0.35%	0.212%
93	14.853	2173	2176	2182	rVB3	321001	602339	0.72%	0.437%
94	15.066	2207	2211	2216	rVB5	187215	300426	0.36%	0.218%
95	15.140	2219	2223	2225	rBV3	138407	231123	0.28%	0.168%
96	15.255	2238	2242	2250	rVV	498069	853172	1.02%	0.620%
97	15.341	2252	2256	2263	rVB2	598123	1192631	1.42%	0.866%
98	15.579	2291	2295	2303	rBV4	298625	691261	0.82%	0.502%
99	15.749	2318	2323	2330	rVB5	760353	1444298	1.72%	1.049%
100	16.304	2411	2414	2422	rVB2	400930	785025	0.94%	0.570%

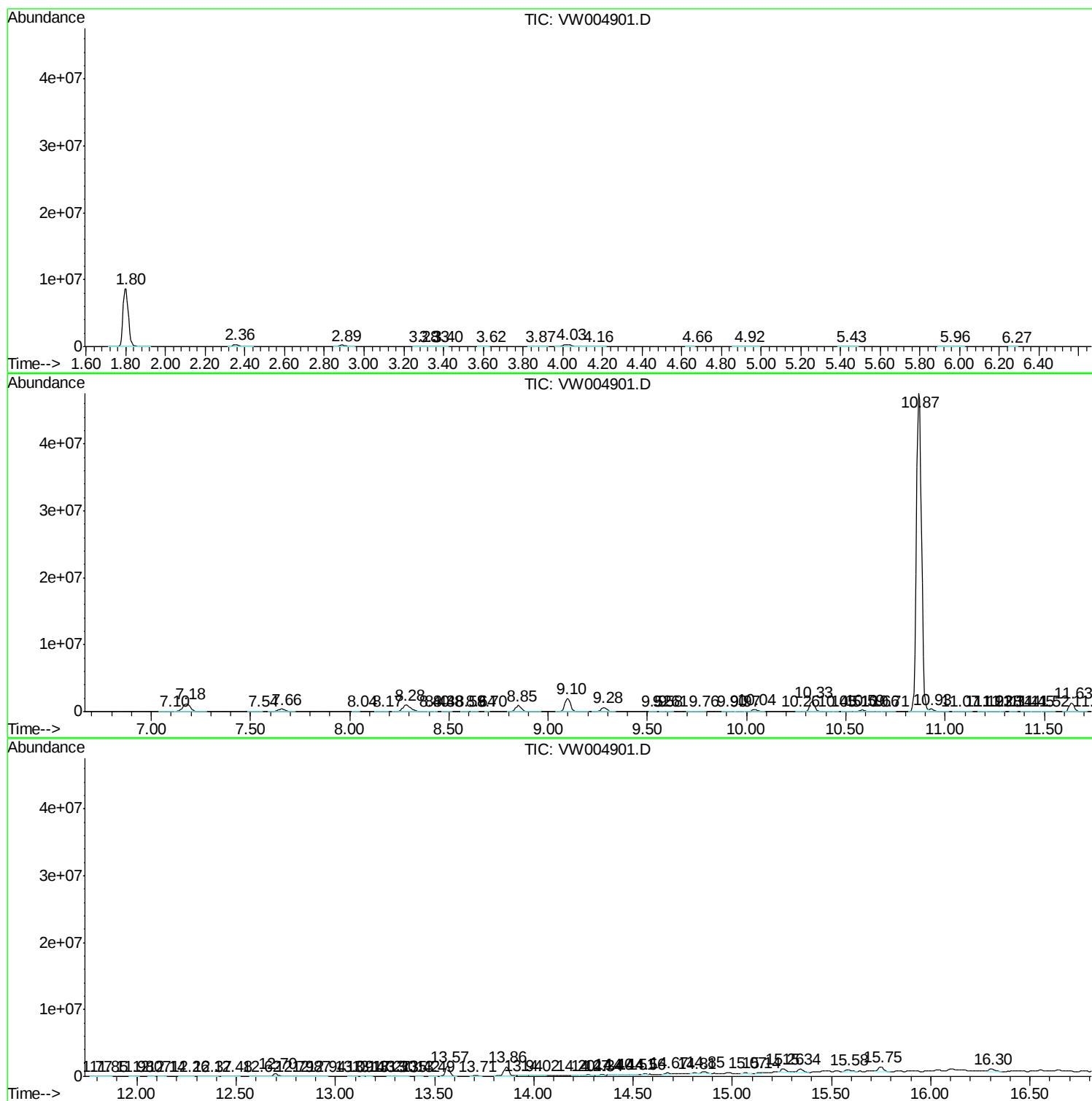
Sum of corrected areas: 137677616

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis

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



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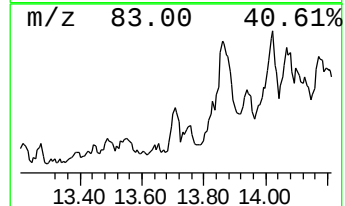
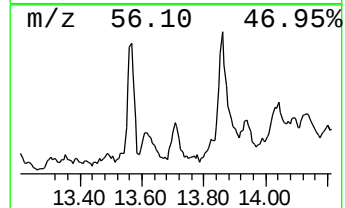
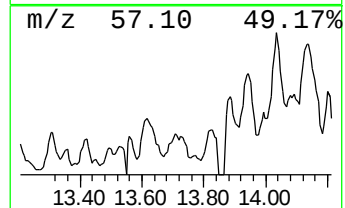
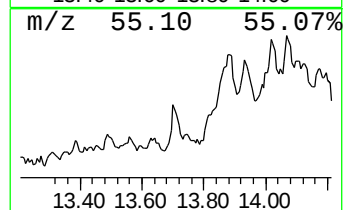
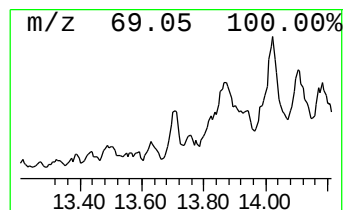
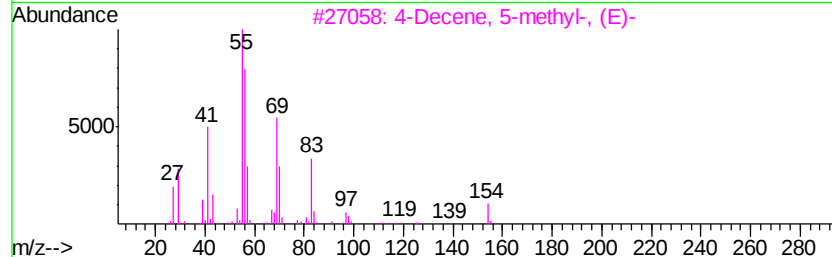
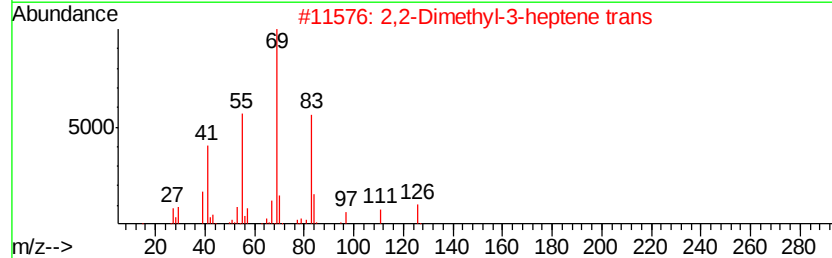
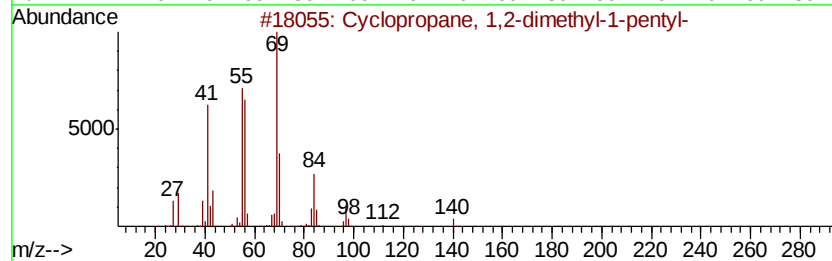
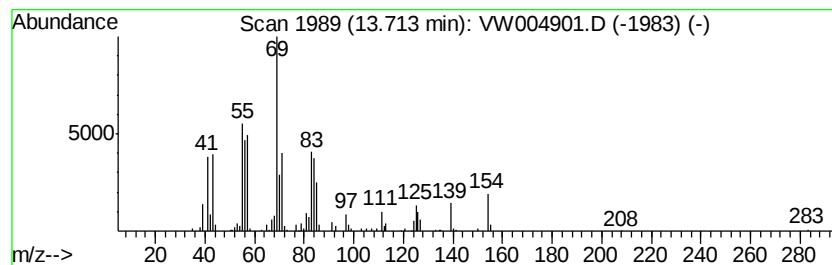
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic13.71 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	1.29 ug/L	116467	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
2	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
3	4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	41
4	4-Decene, 4-methyl-, (E)-	154	C11H22	060366-66-7	38
5	2-Nonen-4-one	140	C9H16O	032064-72-5	38



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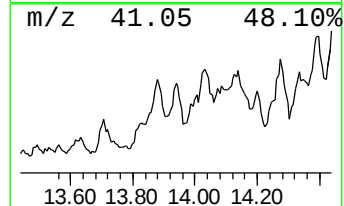
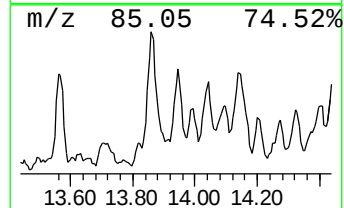
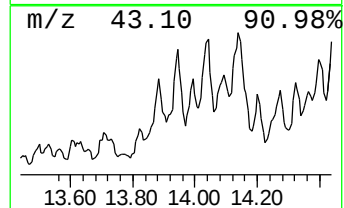
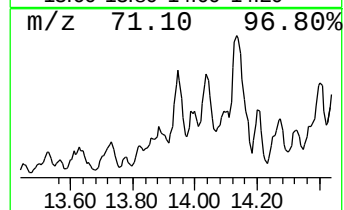
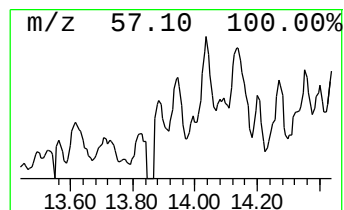
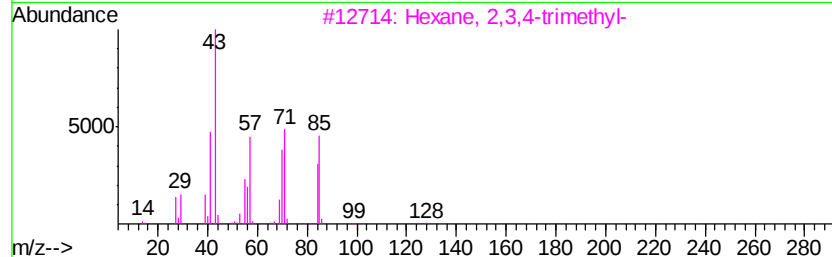
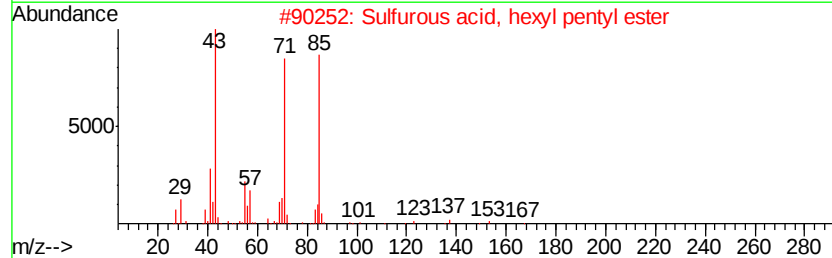
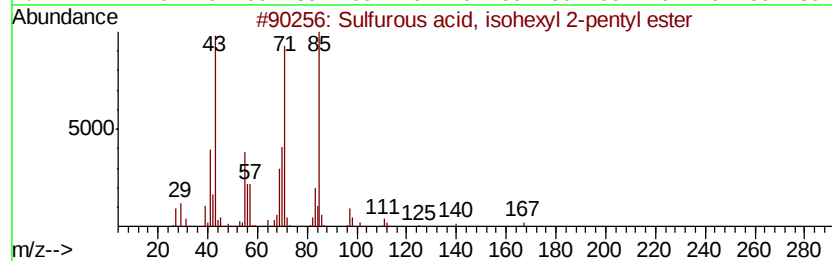
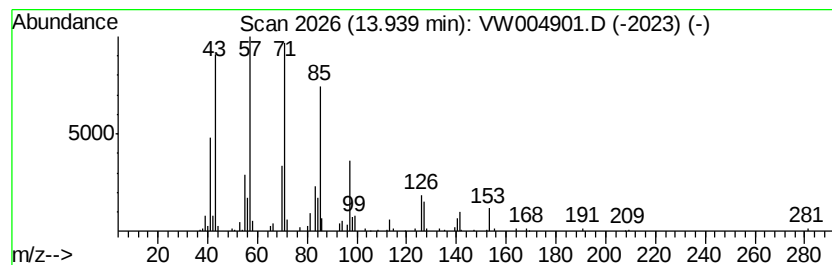
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Sulfurous acid, isohexyl 2-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	1.40 ug/L	127095	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, isohexyl 2-pentyl...	236	C11H24O3S	1000309-15-5	59
2		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50
3		Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	47
4		Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	43
5		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	43



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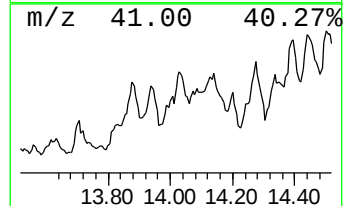
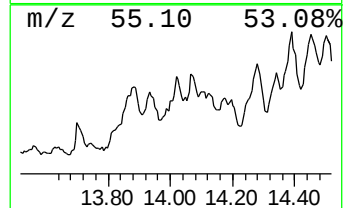
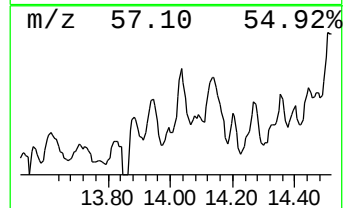
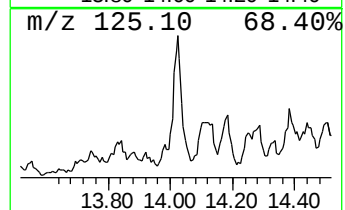
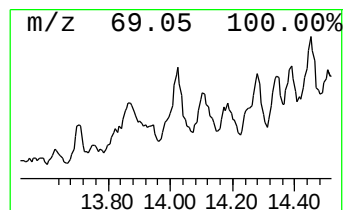
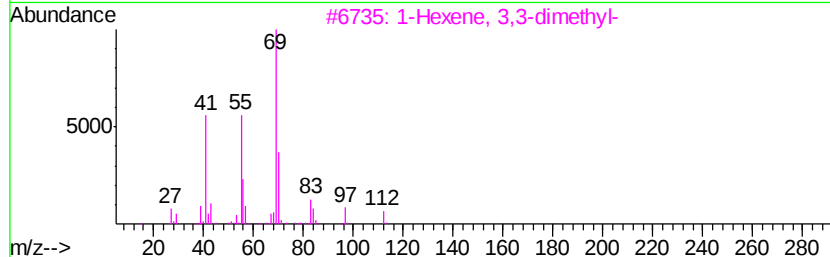
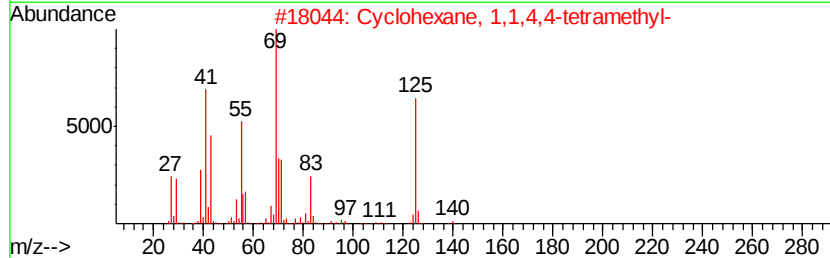
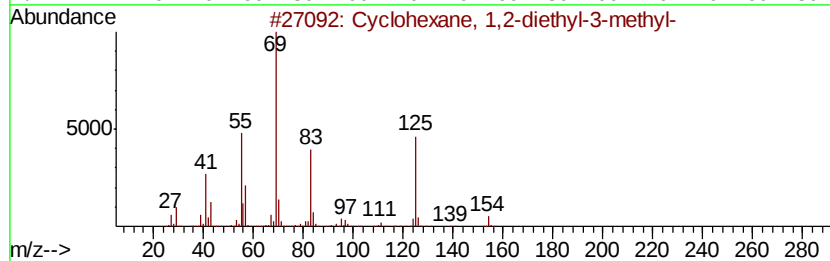
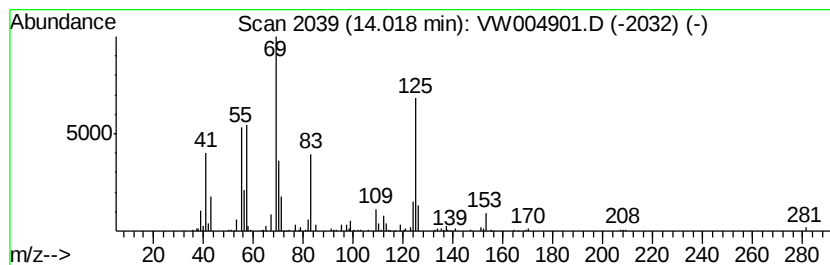
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 (DEL) Alkane: Cyclic14.02 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	3.18 ug/L	288102	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	53
2		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	45
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38
4		2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	38
5		1-Dodecyn-4-ol	182	C12H22O	074646-36-9	35



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E4430

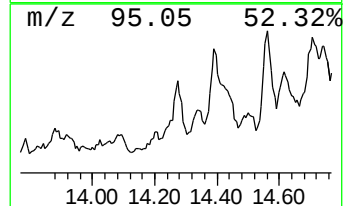
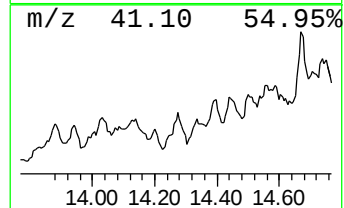
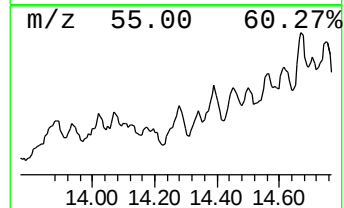
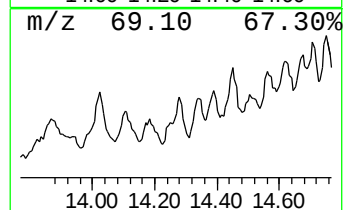
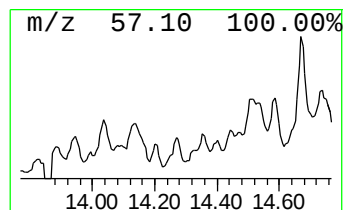
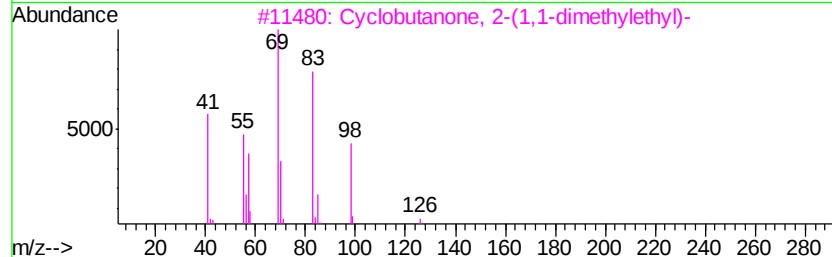
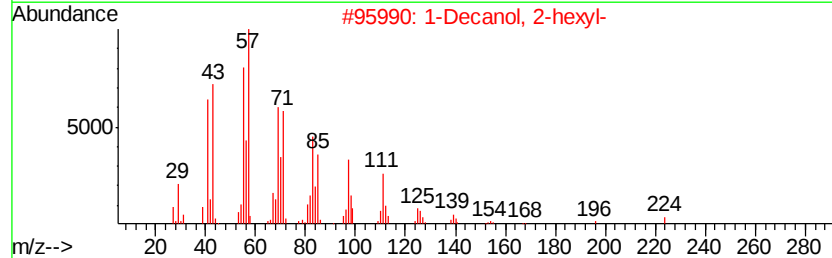
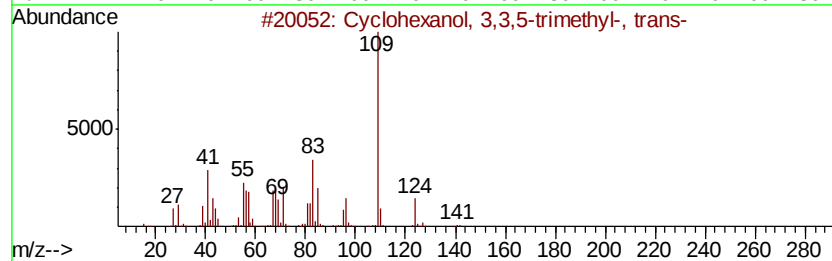
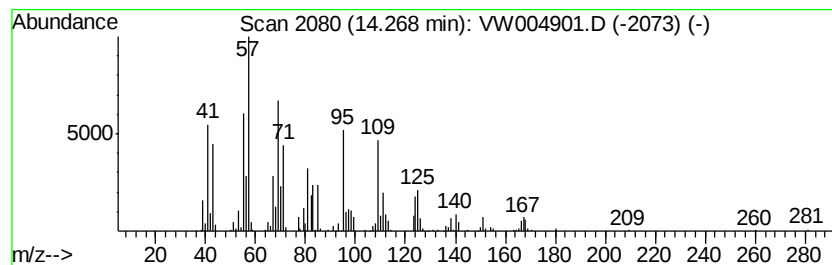
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.66 ug/L	331157	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 3,3,5-trimethyl-, ...	142	C9H18O	000767-54-4	38
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	30
3		Cyclobutanone, 2-(1,1-dimethylethyl)-	126	C8H14O	004579-31-1	30
4		4-Nonene, 2,3,3-trimethyl-, (Z)-	168	C12H24	063830-68-2	25
5		Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

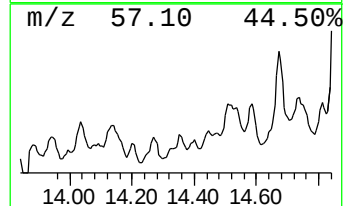
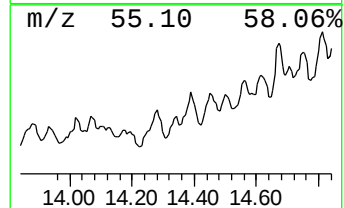
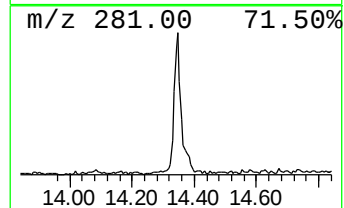
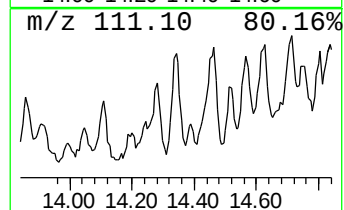
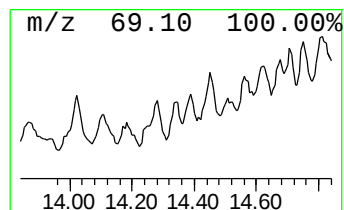
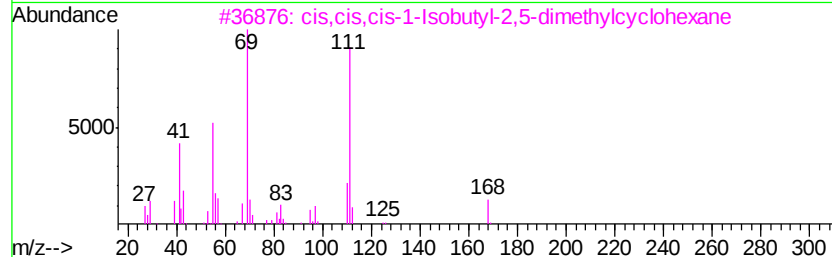
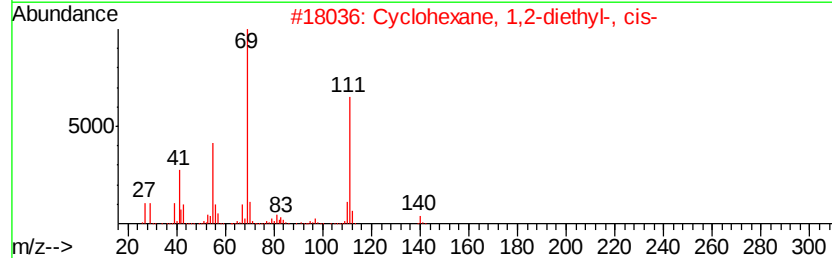
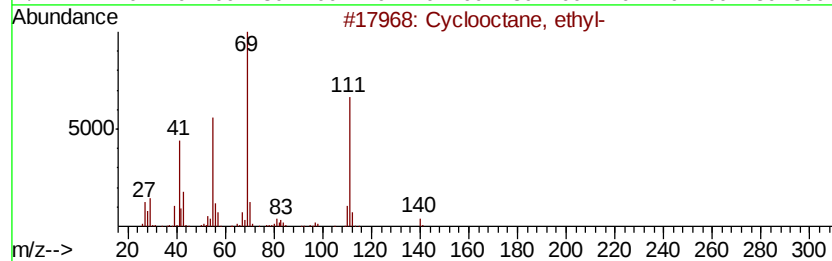
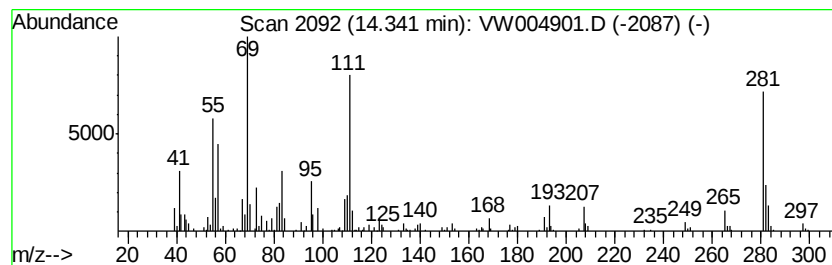
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic14.34 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.34	2.21 ug/L	199999	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cvclooctane, ethyl-	140	C10H20	013152-02-8	46
2	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	46
3	cis,cis,cis-1-Isobutyl-2,5-dimet...	168	C12H24	1000113-60-0	46
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	46
5	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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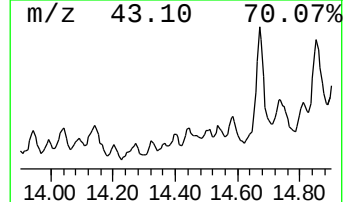
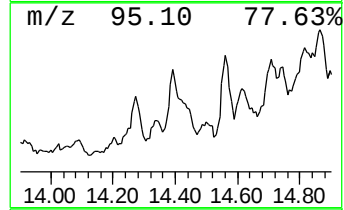
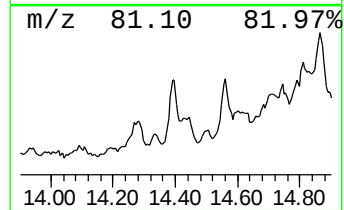
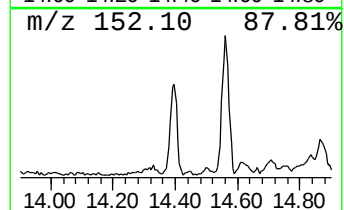
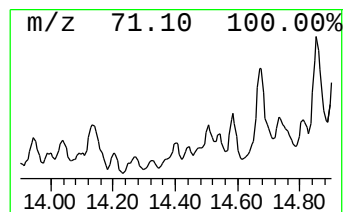
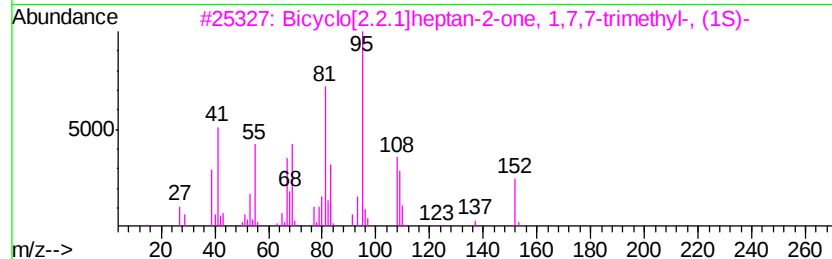
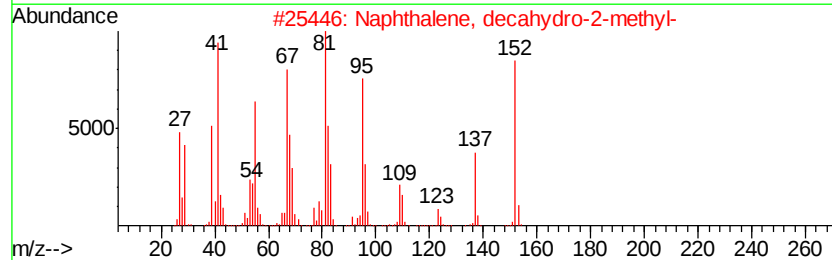
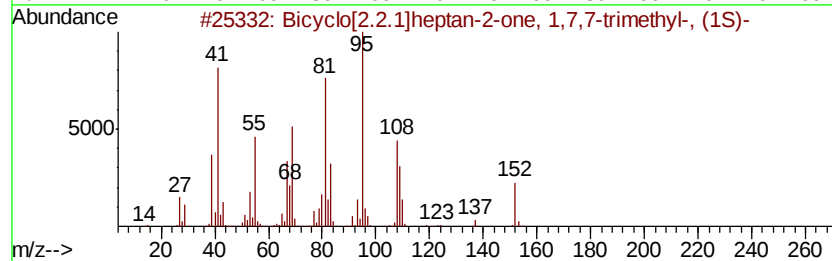
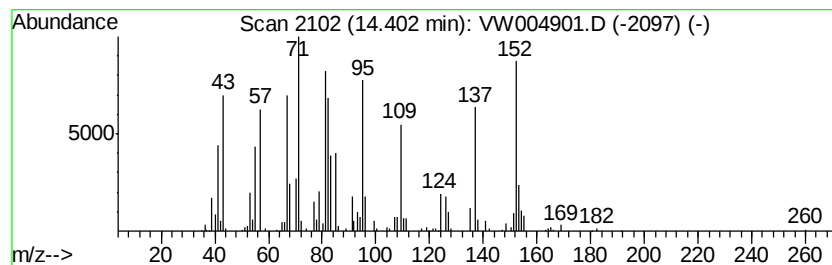
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Quant Title : VOC Analysis

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

Peak Number 10 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.40	1.64 ug/L	148134	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	86
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
4		Camphor	152	C10H16O	000076-22-2	62
5		(+)-2-Bornanone	152	C10H16O	000464-49-3	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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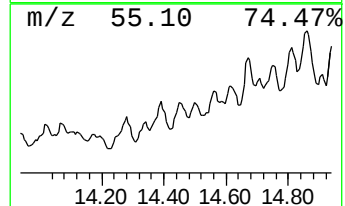
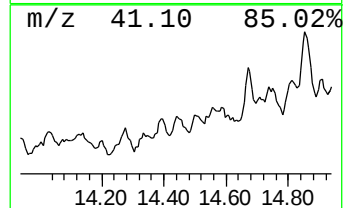
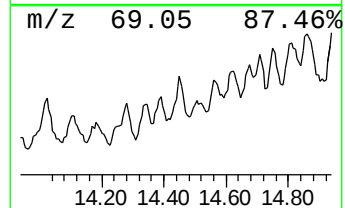
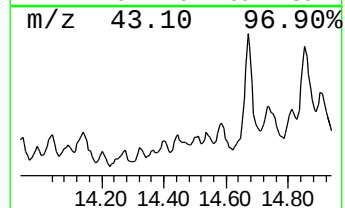
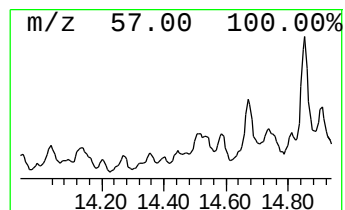
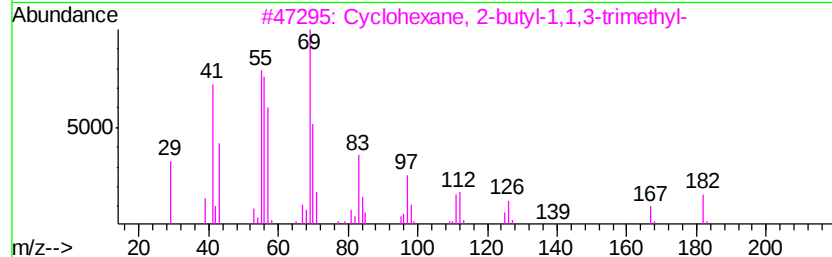
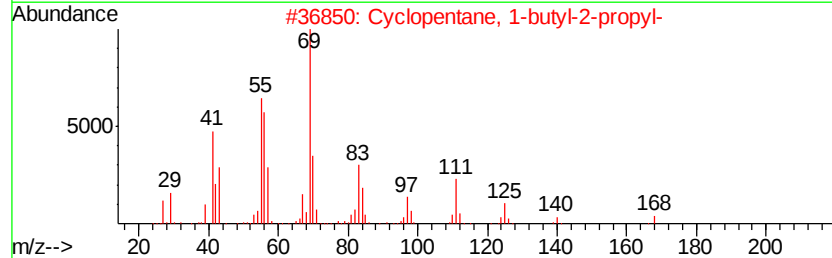
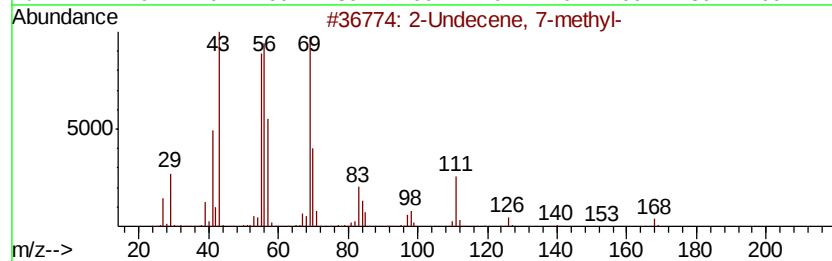
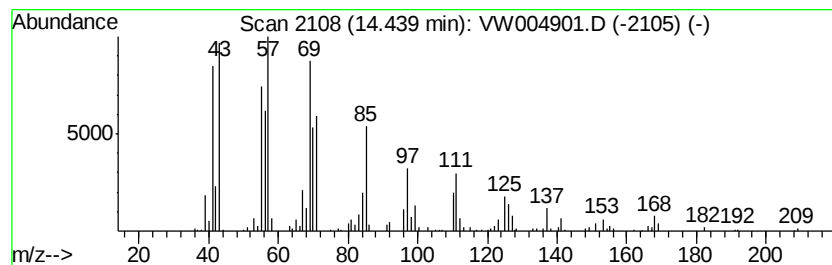
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Cyclic14.44 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	1.86 ug/L	168675	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Undecene, 7-methyl-	168	C12H24	1000061-83-0	70
2			Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	64
3			Cyclohexane, 2-butyl-1,1,3-trimethyl-	182	C13H26	054676-39-0	62
4			5-Undecene, 6-methyl-	168	C12H24	083687-45-0	58
5			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	55



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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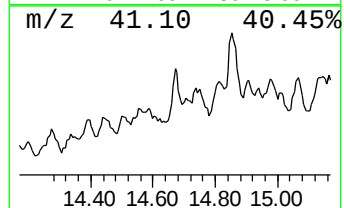
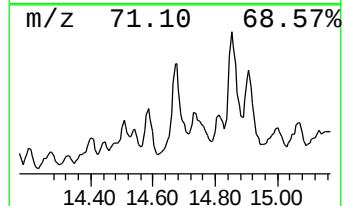
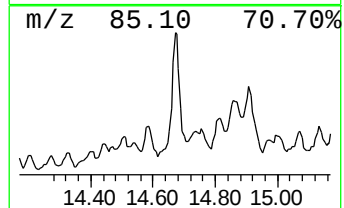
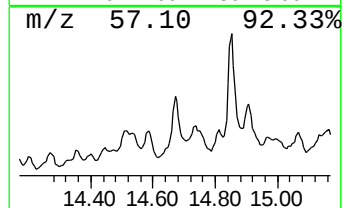
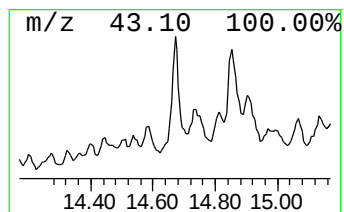
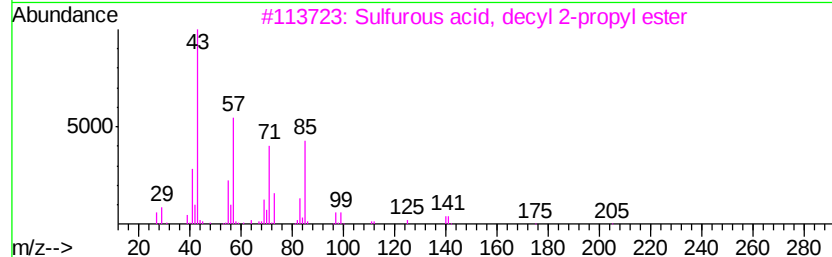
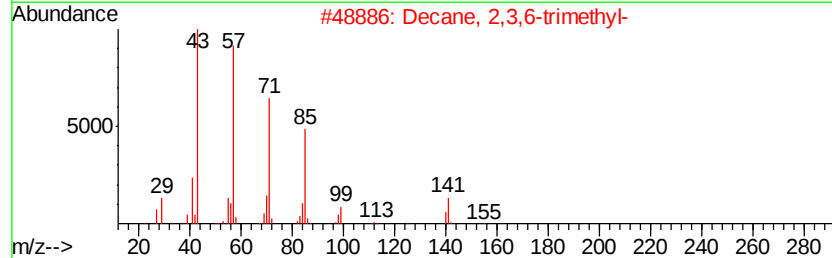
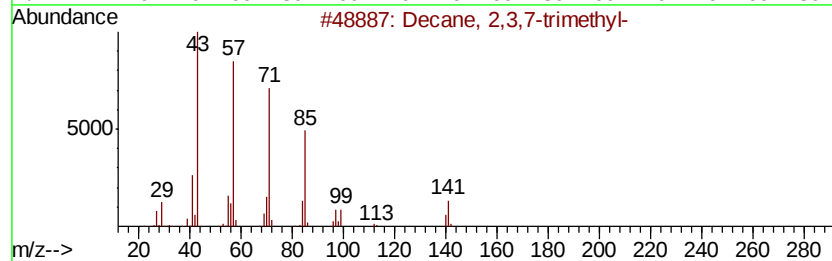
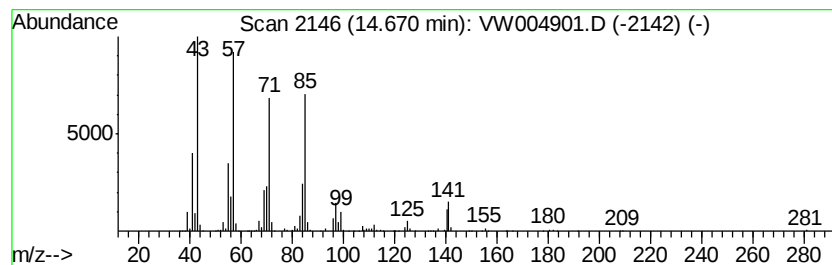
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	4.82 ug/L	436098	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	80
2			Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	72
3			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	72
4			Nonadecane	268	C19H40	000629-92-5	53
5			Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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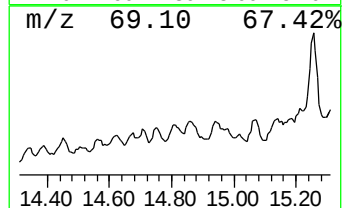
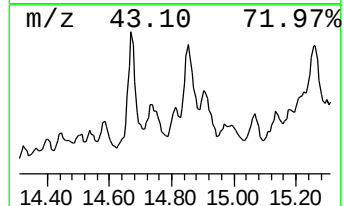
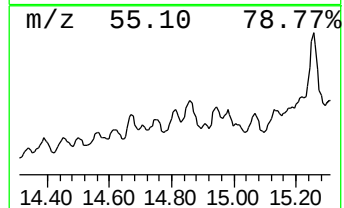
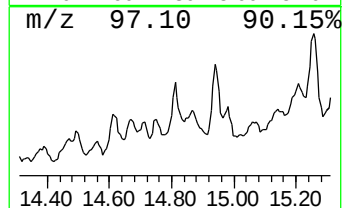
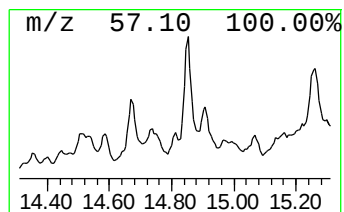
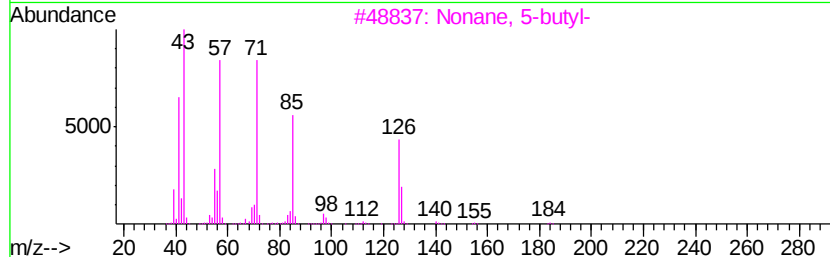
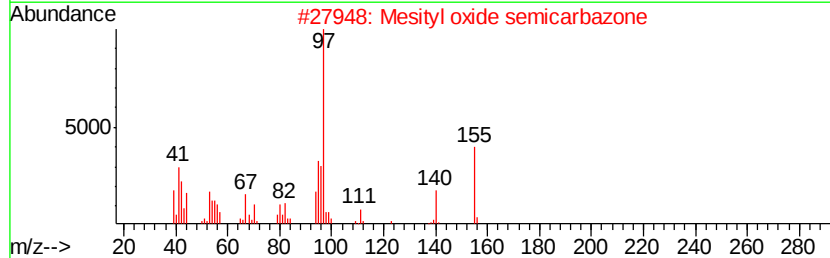
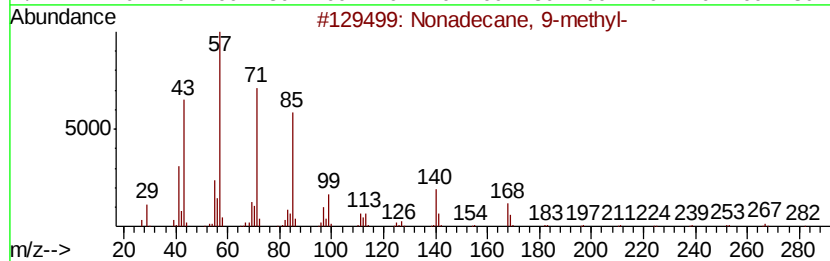
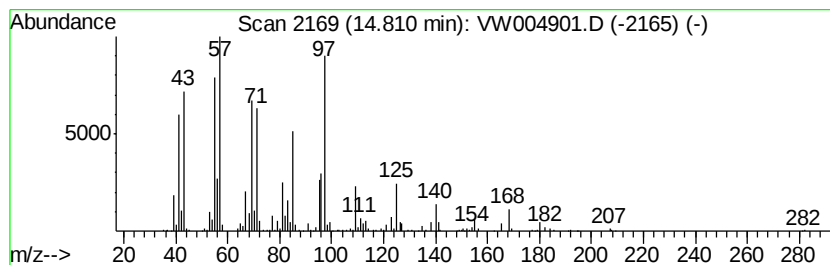
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	3.22 ug/L	291793	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	55
2		Mesityl oxide semicarbazone	155	C7H13N3O	003780-62-9	41
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	35
4		Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1000309-68-1	35
5		Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :
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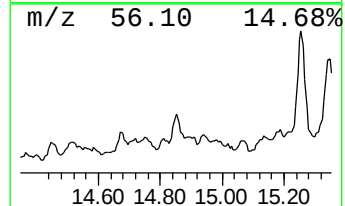
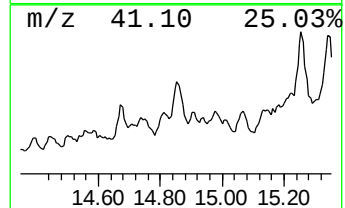
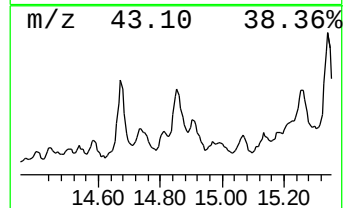
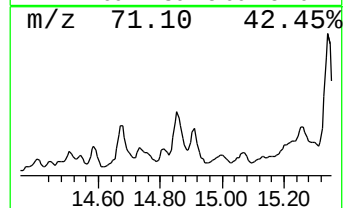
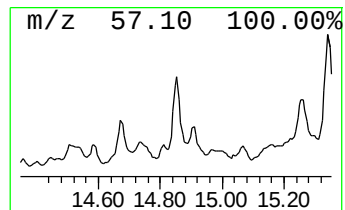
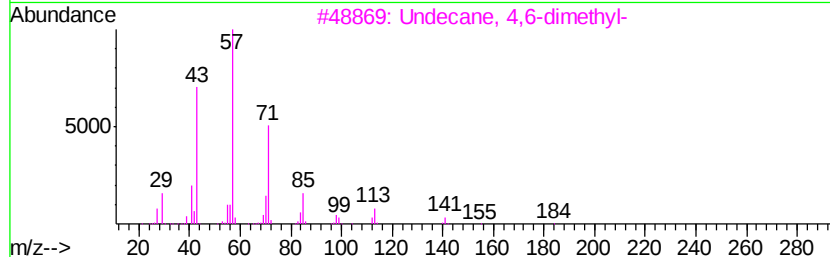
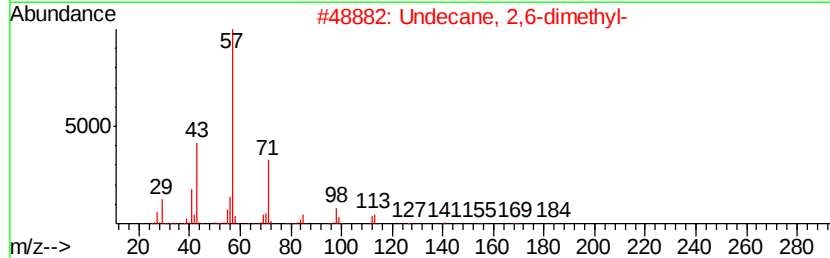
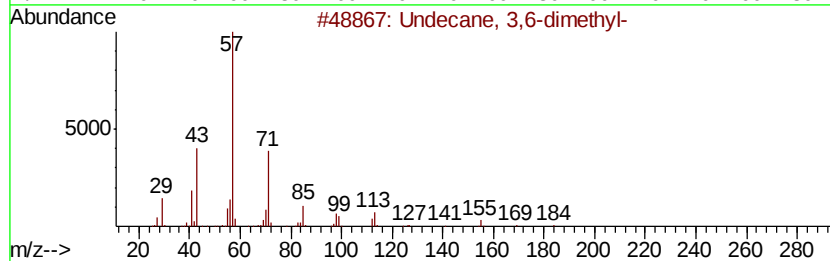
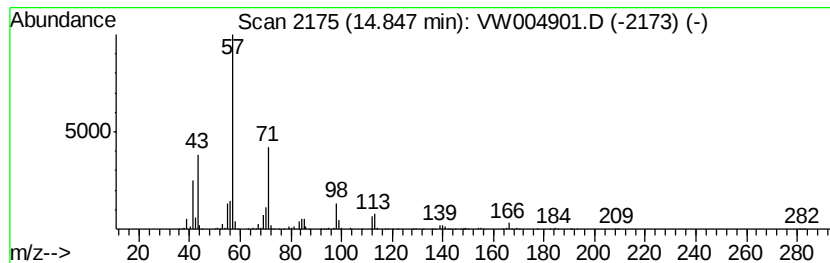
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	6.65 ug/L	602339	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane,	3,6-dimethyl-		184	C13H28	017301-28-9	87
2	Undecane,	2,6-dimethyl-		184	C13H28	017301-23-4	68
3	Undecane,	4,6-dimethyl-		184	C13H28	017312-82-2	64
4	Dodecane,	2,7,10-trimethyl-		212	C15H32	074645-98-0	59
5	Undecane,	2,6-dimethyl-		184	C13H28	017301-23-4	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

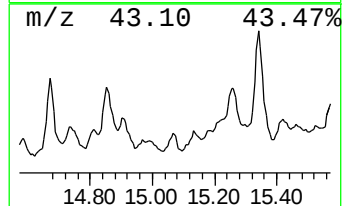
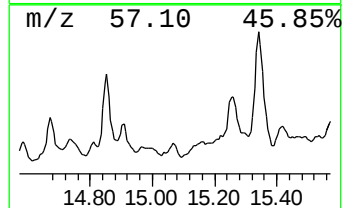
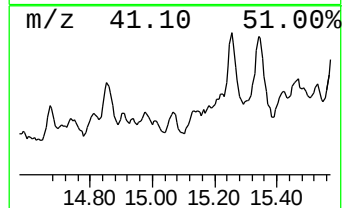
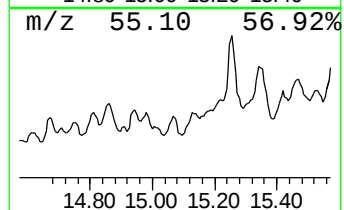
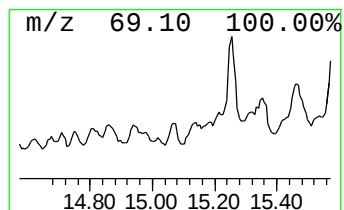
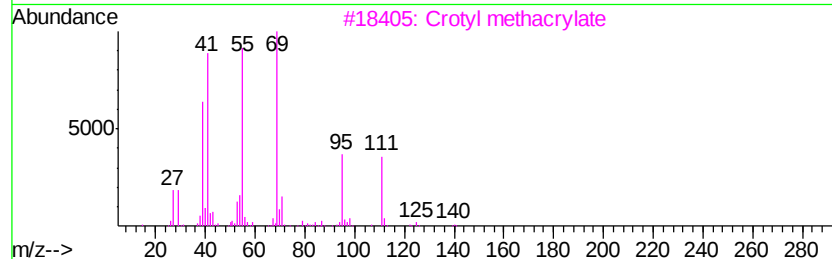
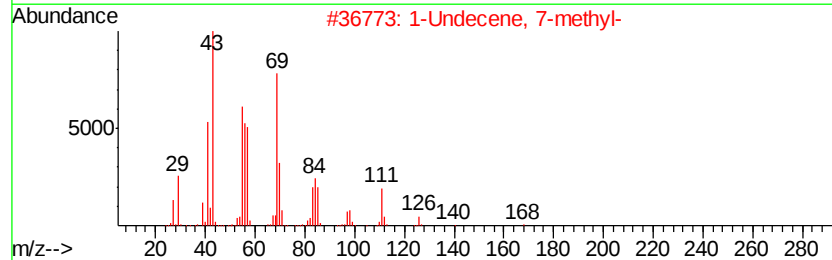
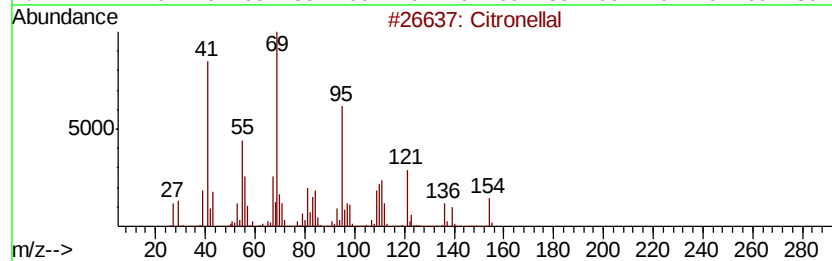
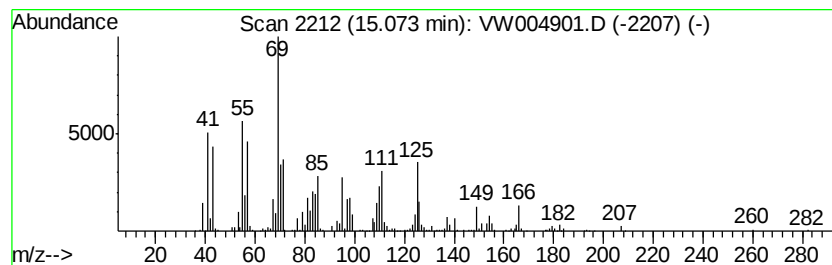
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 15 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	3.32 ug/L	300426	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Citronellal	154 C10H18O	000106-23-0 49
2		1-Undecene, 7-methyl-	168 C12H24	074630-42-5 46
3		Crotyl methacrylate	140 C8H12O2	007376-45-6 43
4		Cyclohexane, 1-ethyl-2-propyl-	154 C11H22	062238-33-9 43
5		Cyclopentane, hexyl-	154 C11H22	004457-00-5 38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E4430

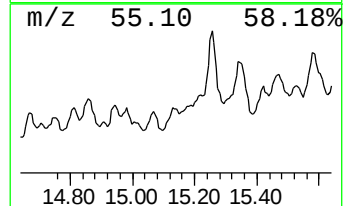
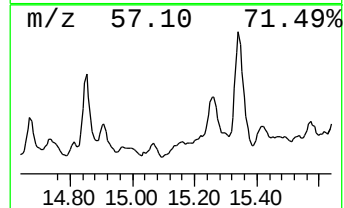
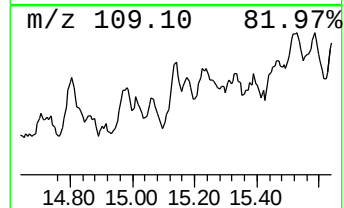
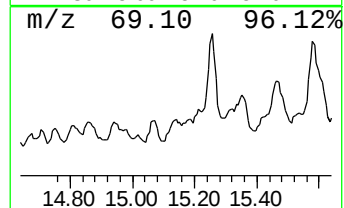
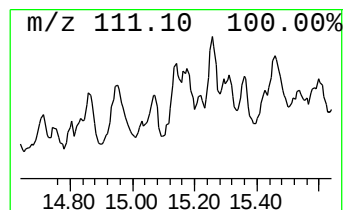
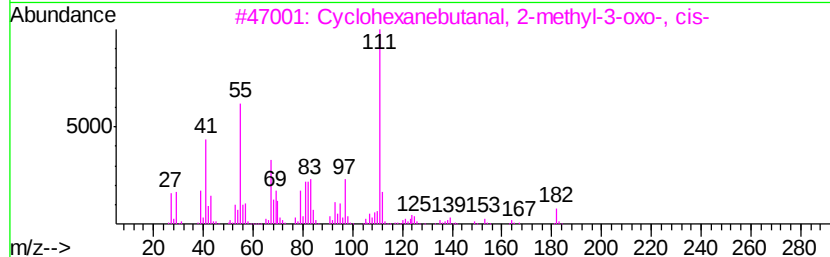
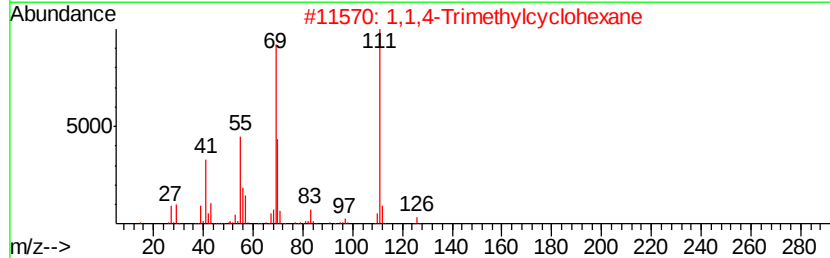
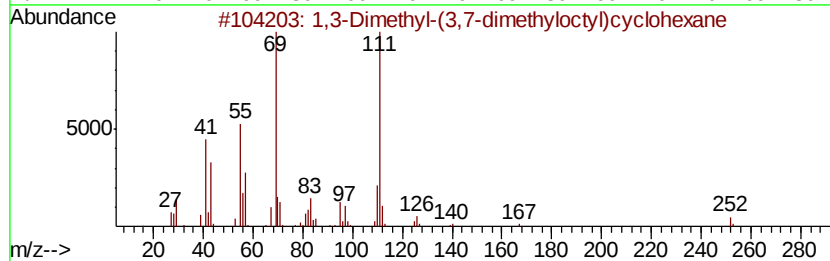
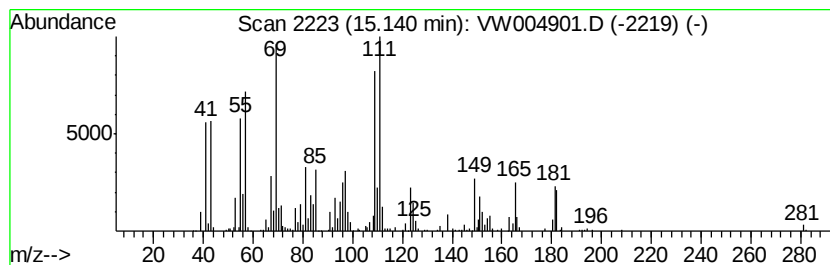
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Quant Title : VOC Analysis

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

Peak Number 16 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.55 ug/L	231123	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Dimethyl-(3,7-dimethyloctyl)...	252	C18H36	1000113-02-4	43
2			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	35
3			Cyclohexanebutanal, 2-methyl-3-oxo...	182	C11H18O2	092485-93-3	35
4			Cycloheptanecarboxylic acid, 1-m...	170	C10H18O2	007362-77-8	35
5			Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E4430

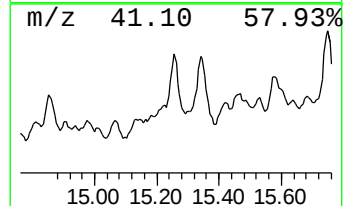
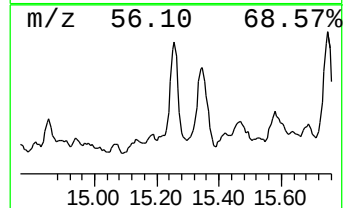
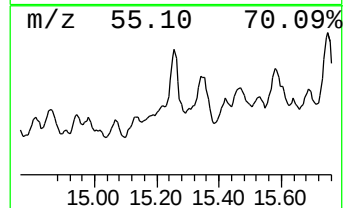
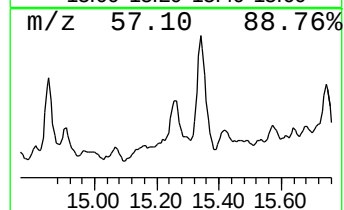
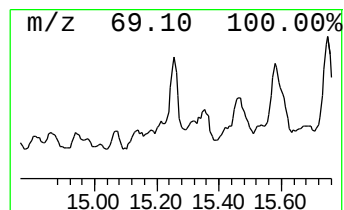
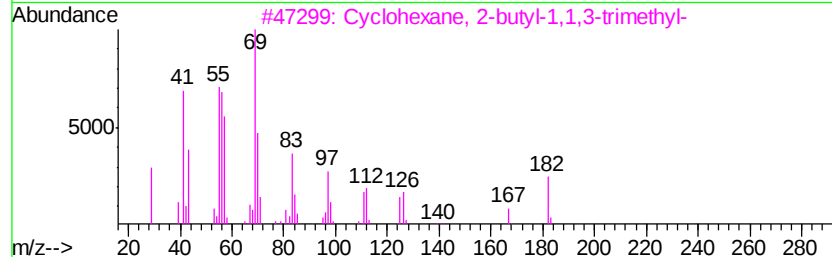
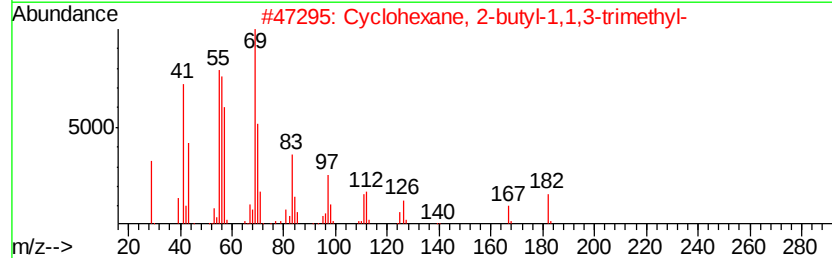
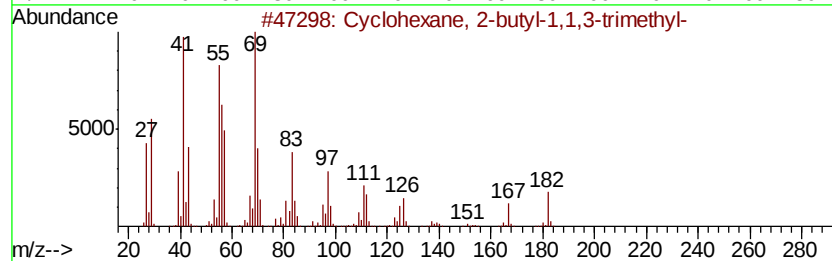
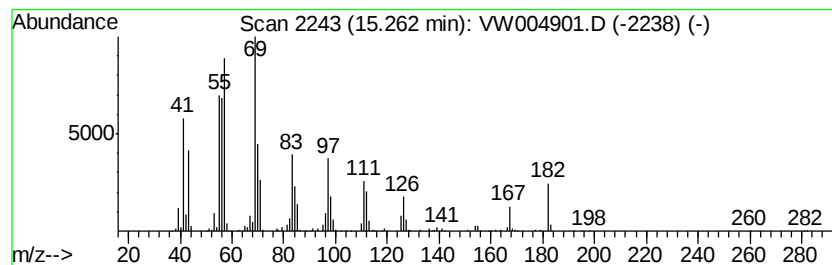
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic15.26 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	9.42 ug/L	853172	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	95
2		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
3		Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	94
4		Cyclopentane, butyl-	126	C9H18	002040-95-1	62
5		Cyclopentane, 2-ethyl-1,1-dimethyl-	126	C9H18	054549-80-3	49



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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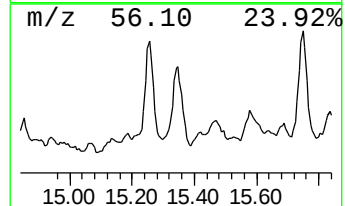
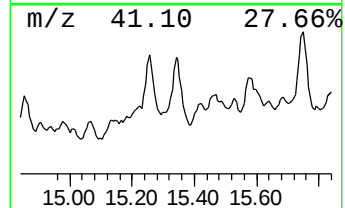
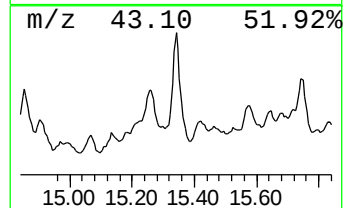
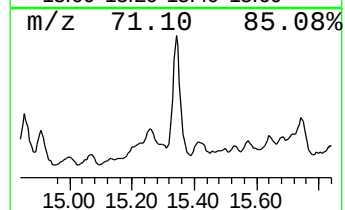
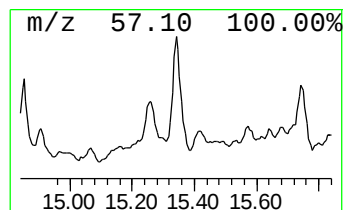
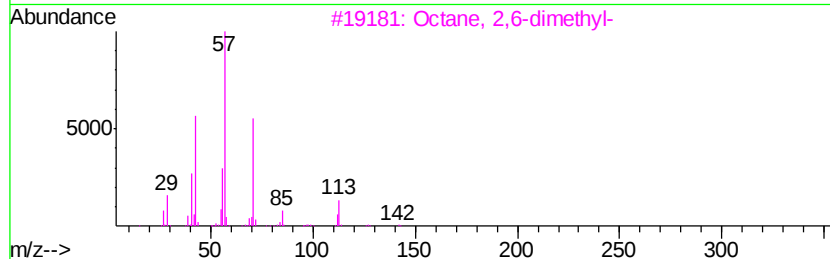
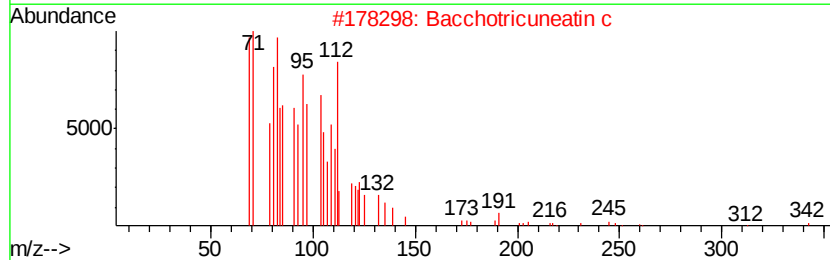
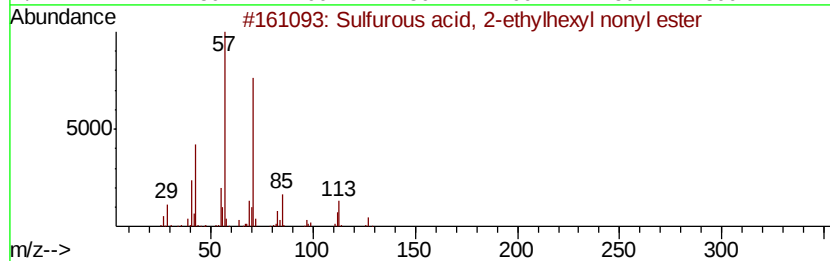
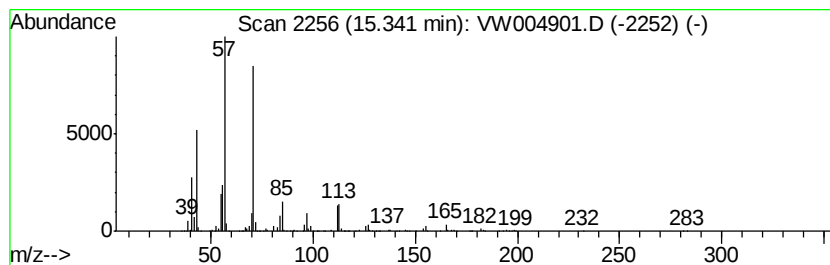
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Quant Title : VOC Analysis

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

Peak Number 18 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	13.17 ug/L	1192630	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	80
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
3		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

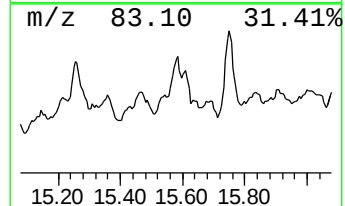
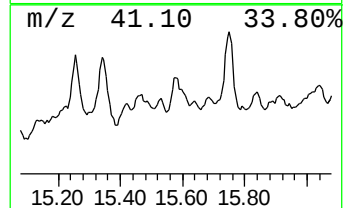
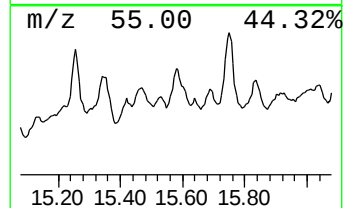
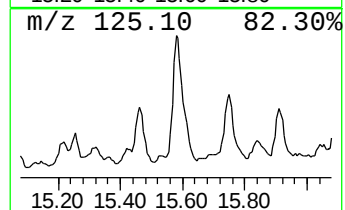
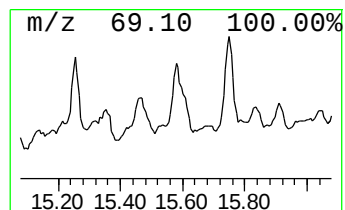
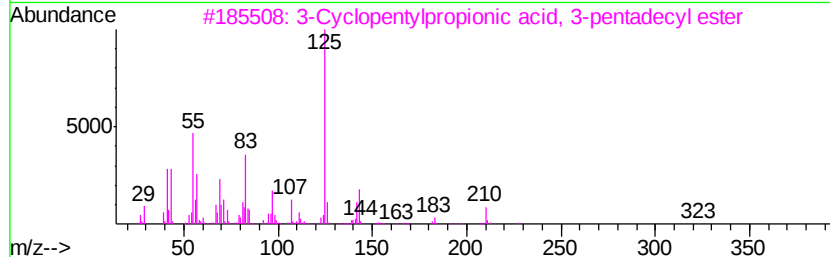
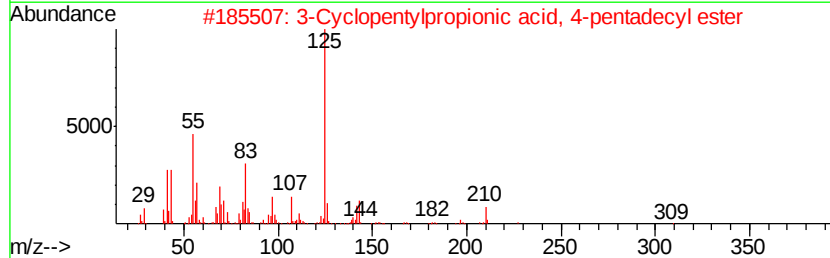
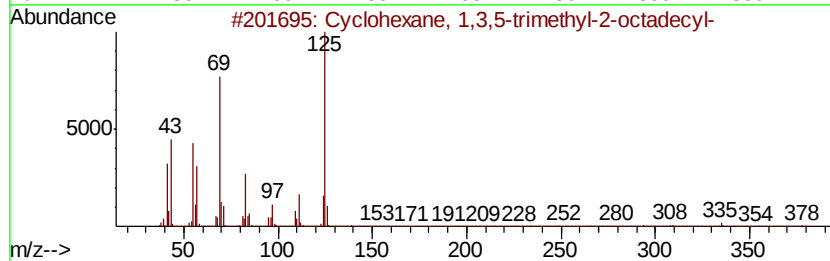
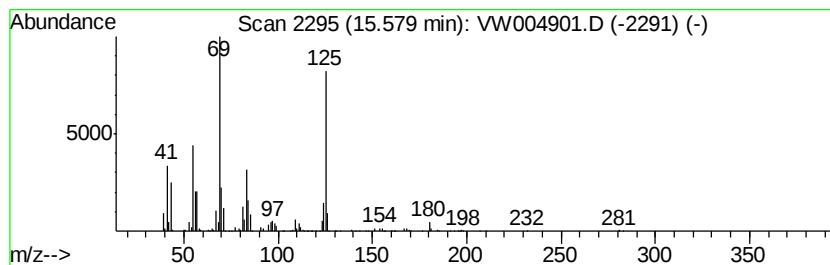
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic15.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	7.63 ug/L	691261	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,3,5-trimethyl-2-o...	378 C27H54	055282-34-3 43
2		3-Cyclopentylpropionic acid, 4-p...	352 C23H44O2	1000293-57-3 38
3		3-Cyclopentylpropionic acid, 3-p...	352 C23H44O2	1000293-57-4 38
4		2(1H)-Pyrimidinone, 4-amino-5-me...	125 C5H7N3O	000554-01-8 38
5		1,3,5-Trimethyl-1H-pyrazol-4-amine	125 C6H11N3	028466-21-9 38



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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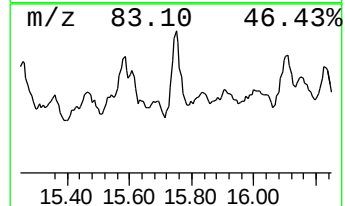
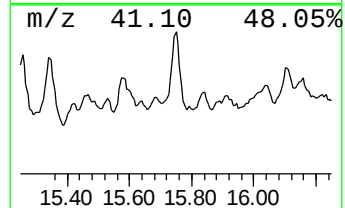
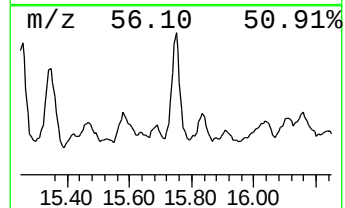
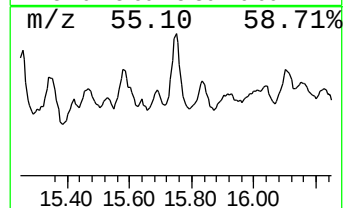
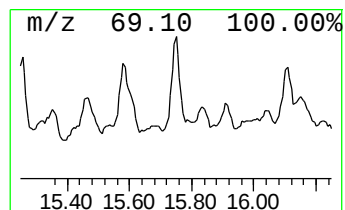
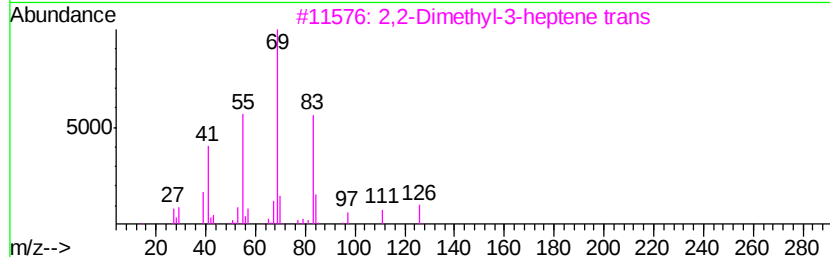
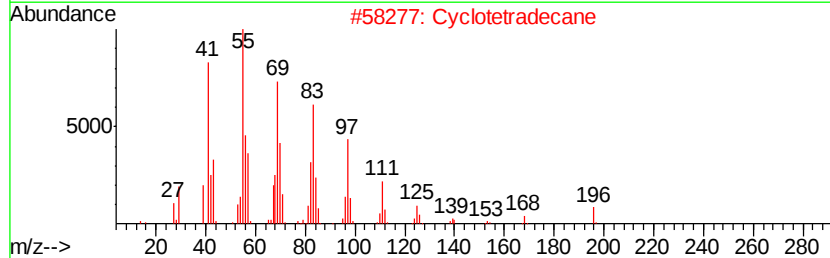
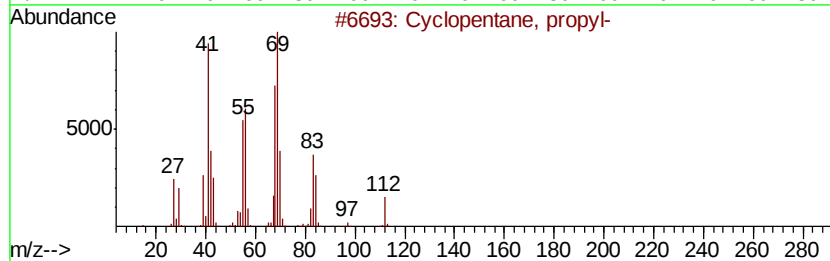
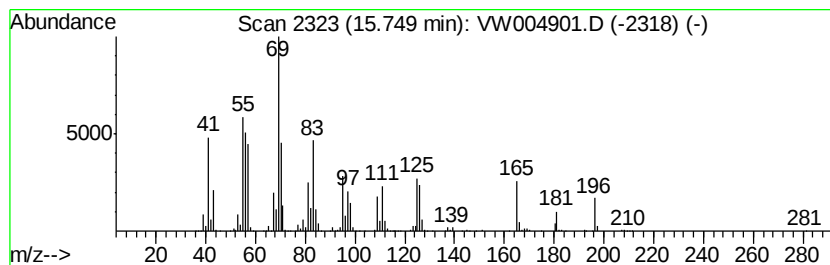
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic15.75 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	15.95 ug/L	1444300	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, propyl-	112	C8H16	002040-96-2	49
2		Cyclotetradecane	196	C14H28	000295-17-0	46
3		2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	43
4		7-Tetradecene	196	C14H28	010374-74-0	38
5		2-Methyl-2-octene	126	C9H18	016993-86-5	30



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
Data File : VW004901.D
Acq On : 23 Aug 2018 17:02
Operator : SY/AP
Sample : J4624-04
Misc : 5.57G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
E4430

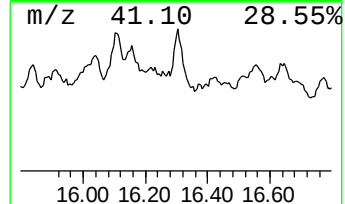
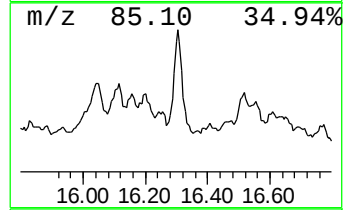
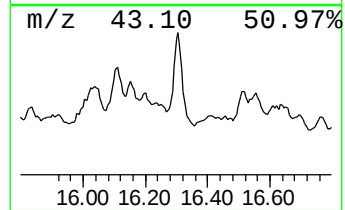
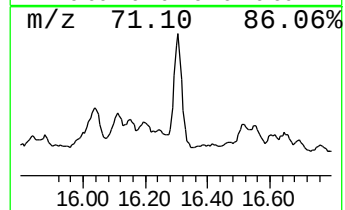
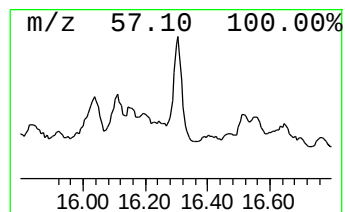
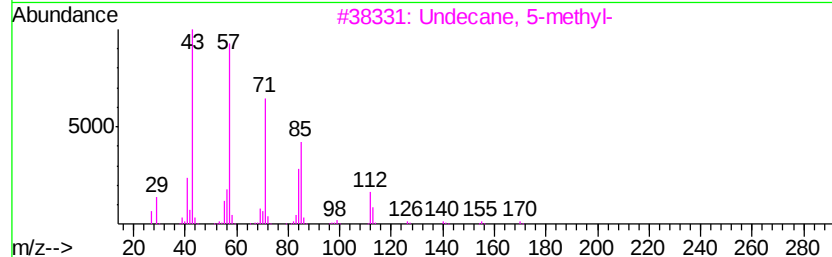
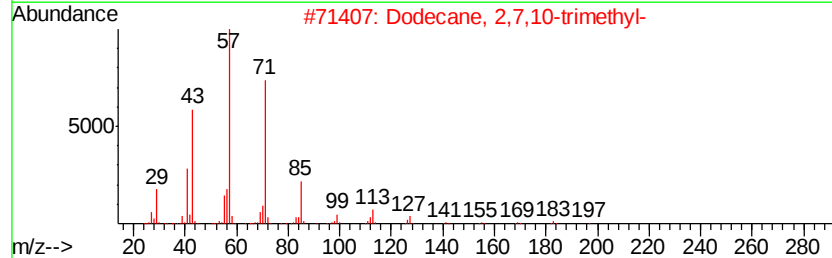
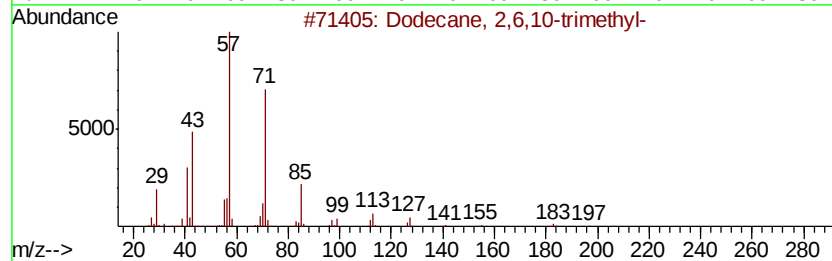
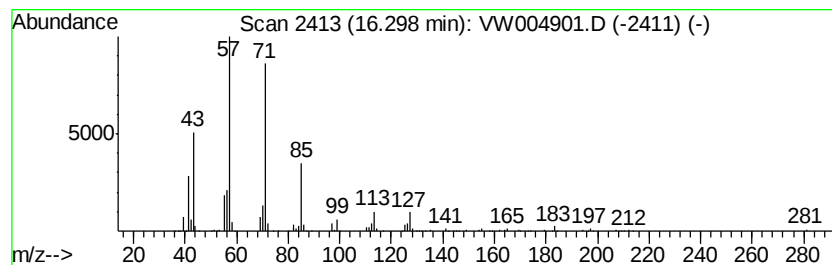
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.30	8.67 ug/L	785025	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	78
3		Undecane, 5-methyl-	170	C12H26	001632-70-8	64
4		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	59
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082318\
 Data File : VW004901.D
 Acq On : 23 Aug 2018 17:02
 Operator : SY/AP
 Sample : J4624-04
 Misc : 5.57G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 E4430

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	13.71	1.3	ug/L	116467	3	13.57	2263650	25.0
Sulfurous acid, i...	13.94	1.4	ug/L	127095	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	14.02	3.2	ug/L	288102	3	13.57	2263650	25.0
unknown-01	14.27	3.7	ug/L	331157	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	14.34	2.2	ug/L	199999	3	13.57	2263650	25.0
Bicyclo[2.2.1]hep...	14.40	1.6	ug/L	148134	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	14.44	1.9	ug/L	168675	3	13.57	2263650	25.0
(DEL) Alkane: Str...	14.67	4.8	ug/L	436098	3	13.57	2263650	25.0
(DEL) Alkane: Str...	14.81	3.2	ug/L	291793	3	13.57	2263650	25.0
(DEL) Alkane: Str...	14.85	6.7	ug/L	602339	3	13.57	2263650	25.0
unknown-02	15.07	3.3	ug/L	300426	3	13.57	2263650	25.0
unknown-03	15.14	2.5	ug/L	231123	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	15.26	9.4	ug/L	853172	3	13.57	2263650	25.0
Sulfurous acid, 2...	15.34	13.2	ug/L	1192630	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	15.58	7.6	ug/L	691261	3	13.57	2263650	25.0
(DEL) Alkane: Cyc...	15.75	15.9	ug/L	1444300	3	13.57	2263650	25.0
(DEL) Alkane: Str...	16.30	8.7	ug/L	785025	3	13.57	2263650	25.0